

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091622\
 Data File : BP011725.D
 Acq On : 16 Sep 2022 10:53
 Operator : CG/JU
 Sample : N3980-02
 Misc : LOQ-SOIL-10NG
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

Quant Time: Sep 16 15:46:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 16 15:46:03 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 09/19/2022
 Supervised By : Jagrut Upadhyay 09/19/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	487857	20.000	ng	-0.01
21) Naphthalene-d8	10.746	136	2034076	20.000	ng	#-0.01
39) Acenaphthene-d10	14.575	164	1174235	20.000	ng	-0.01
64) Phenanthrene-d10	17.328	188	2247555	20.000	ng	# 0.00
76) Chrysene-d12	21.410	240	1945436	20.000	ng	# 0.00
86) Perylene-d12	23.863	264	1812066	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	2523466	94.151	ng	0.00
7) Phenol-d6	7.093	99	3414636	95.574	ng	0.00
23) Nitrobenzene-d5	9.099	82	2383515	69.496	ng	-0.01
42) 2,4,6-Tribromophenol	16.063	330	829419	90.403	ng	-0.01
45) 2-Fluorobiphenyl	13.198	172	5184334	68.630	ng	-0.01
79) Terphenyl-d14	19.880	244	6400446	71.543	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.375	88	111501	9.446	ng	# 82
3) Pyridine	3.787	79	270028	7.935	ng	# 79
4) n-Nitrosodimethylamine	3.693	42	117818	9.031	ng	# 47
6) Aniline	7.258	93	449030	10.203	ng	90
8) 2-Chlorophenol	7.493	128	297587	9.364	ng	94
9) Benzaldehyde	7.069	77	258620	11.309	ng	94
10) Phenol	7.116	94	375835	9.353	ng	84
11) bis(2-Chloroethyl)ether	7.357	93	300946	9.401	ng	91
12) 1,3-Dichlorobenzene	7.822	146	320890	9.105	ng	95
13) 1,4-Dichlorobenzene	7.969	146	332032	9.264	ng	97
14) 1,2-Dichlorobenzene	8.287	146	318283	9.315	ng	98
15) Benzyl Alcohol	8.175	79	233215	9.144	ng	# 91
16) 2,2'-oxybis(1-Chloropr...	8.469	45	415644	9.721	ng	92
17) 2-Methylphenol	8.375	107	232669	8.918	ng	# 91
18) Hexachloroethane	9.022	117	110358	8.902	ng	93
19) n-Nitroso-di-n-propyla...	8.746	70	212748	9.197	ng	# 86
20) 3+4-Methylphenols	8.704	107	307079	8.570	ng	93
22) Acetophenone	8.757	105	455016	9.542	ng	# 89
24) Nitrobenzene	9.140	77	331191	9.281	ng	92
25) Isophorone	9.669	82	552109	9.100	ng	95
26) 2-Nitrophenol	9.857	139	106628	7.284	ng	# 84
27) 2,4-Dimethylphenol	9.910	122	252180	9.942	ng	89
28) bis(2-Chloroethoxy)met...	10.151	93	399150	10.288	ng	99
29) 2,4-Dichlorophenol	10.387	162	234175	8.334	ng	98
30) 1,2,4-Trichlorobenzene	10.604	180	269408	8.660	ng	98
31) Naphthalene	10.793	128	953153	9.030	ng	99
32) Benzoic acid	10.004	122	182696	9.625	ng	91
33) 4-Chloroaniline	10.904	127	378723	9.145	ng	# 92
34) Hexachlorobutadiene	11.081	225	143824	8.393	ng	97
35) Caprolactam	11.681	113	63903	7.019	ng	# 72
36) 4-Chloro-3-methylphenol	12.022	107	259721	8.595	ng	96
37) 2-Methylnaphthalene	12.404	142	627270	8.880	ng	98
38) 1-Methylnaphthalene	12.622	142	605473	8.767	ng	98
40) 1,2,4,5-Tetrachloroben...	12.769	216	276350	8.917	ng	97
41) Hexachlorocyclopentadiene	12.751	237	145836	9.428	ng	99
43) 2,4,6-Trichlorophenol	13.004	196	163216	7.742	ng	97

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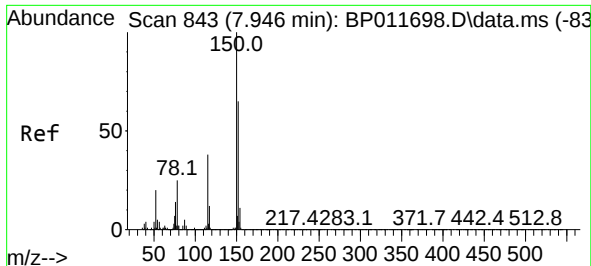
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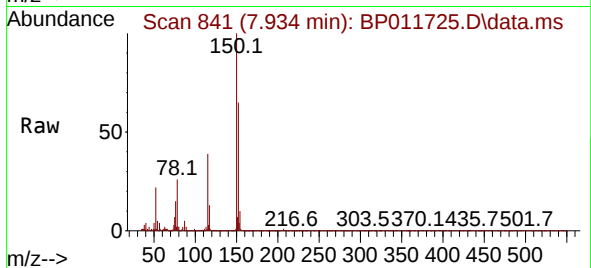
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.075	196	185625	7.875	ng	# 97
46) 1,1'-Biphenyl	13.410	154	818029	9.576	ng	99
47) 2-Chloronaphthalene	13.451	162	606274	9.021	ng	99
48) 2-Nitroaniline	13.651	65	144548	7.669	ng	94
49) Acenaphthylene	14.298	152	913385	8.783	ng	99
50) Dimethylphthalate	14.034	163	705267	8.609	ng	100
51) 2,6-Dinitrotoluene	14.145	165	134863	8.119	ng	95
52) Acenaphthene	14.639	154	612160m	8.849	ng	
53) 3-Nitroaniline	14.475	138	145690	7.605	ng	94
54) 2,4-Dinitrophenol	14.681	184	63766	7.880	ng	93
55) Dibenzofuran	14.975	168	906114	9.096	ng	99
56) 4-Nitrophenol	14.775	139	119729	7.418	ng	# 80
57) 2,4-Dinitrotoluene	14.934	165	161564	7.509	ng	# 89
58) Fluorene	15.622	166	718760	8.896	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.198	232	140768	7.270	ng	90
60) Diethylphthalate	15.392	149	695154	8.524	ng	98
61) 4-Chlorophenyl-phenyle...	15.616	204	327677	8.773	ng	99
62) 4-Nitroaniline	15.639	138	142676	7.410	ng	# 84
63) Azobenzene	15.910	77	683461	8.720	ng	92
65) 4,6-Dinitro-2-methylph...	15.692	198	91388	8.314	ng	92
66) n-Nitrosodiphenylamine	15.834	169	602786	9.014	ng	98
67) 4-Bromophenyl-phenylether	16.516	248	173046	8.225	ng	95
68) Hexachlorobenzene	16.628	284	187826	8.289	ng	94
69) Atrazine	16.786	200	176226	8.633	ng	95
70) Pentachlorophenol	16.975	266	120737	8.399	ng	98
71) Phenanthrene	17.369	178	1086535	8.884	ng	98
72) Anthracene	17.463	178	1030363	8.908	ng	99
73) Carbazole	17.728	167	975933	8.944	ng	100
74) Di-n-butylphthalate	18.280	149	1031743	7.845	ng	99
75) Fluoranthene	19.333	202	1102891	8.362	ng	96
77) Benzidine	19.510	184	484680	10.476	ng	99
78) Pyrene	19.686	202	1165904	8.886	ng	98
80) Butylbenzylphthalate	20.557	149	400492	7.284	ng	95
81) Benzo(a)anthracene	21.392	228	1090991	8.701	ng	98
82) 3,3'-Dichlorobenzidine	21.327	252	349661	9.181	ng	# 98
83) Chrysene	21.445	228	1036658	8.653	ng	99
84) Bis(2-ethylhexyl)phtha...	21.316	149	591967	7.484	ng	# 98
85) Di-n-octyl phthalate	22.257	149	908232	6.691	ng	95
87) Indeno(1,2,3-cd)pyrene	26.421	276	1049786	8.041	ng	# 89
88) Benzo(b)fluoranthene	23.110	252	1016287	9.068	ng	# 96
89) Benzo(k)fluoranthene	23.157	252	1011462	8.956	ng	# 96
90) Benzo(a)pyrene	23.751	252	836499	9.035	ng	# 96
91) Dibenzo(a,h)anthracene	26.439	278	933085	8.608	ng	# 94
92) Benzo(g,h,i)perylene	27.204	276	885927	8.383	ng	# 91

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 843
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

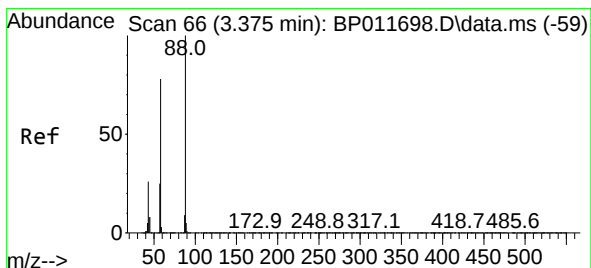
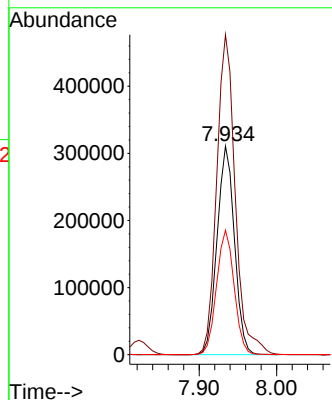
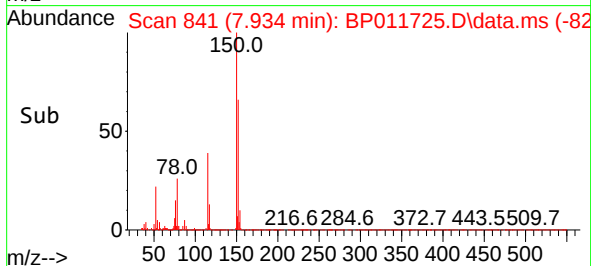
Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT3-2022



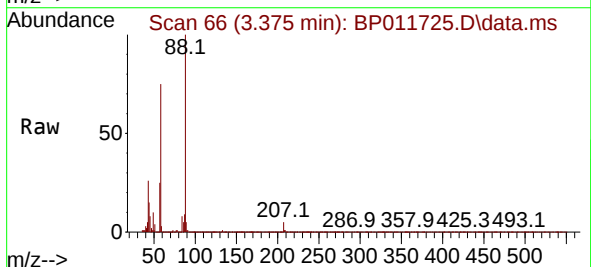
Tgt Ion: 152 Resp: 48785
Ion Ratio Lower Upper
152 100
150 153.4 123.4 185.2
115 59.7 51.3 76.9

Manual Integrations
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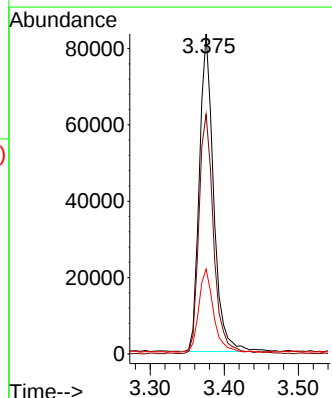
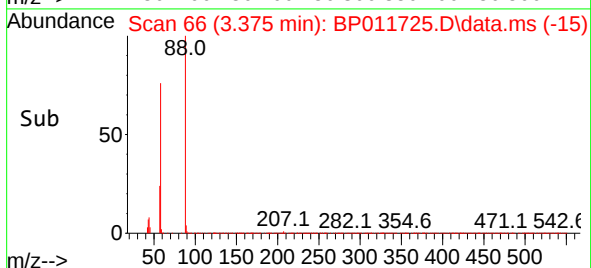
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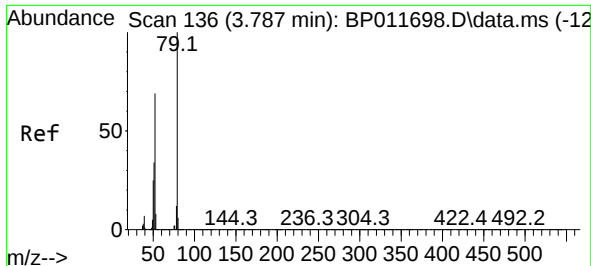


#2
1,4-Dioxane
Concen: 9.446 ng
RT: 3.375 min Scan# 66
Delta R.T. -0.000 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53



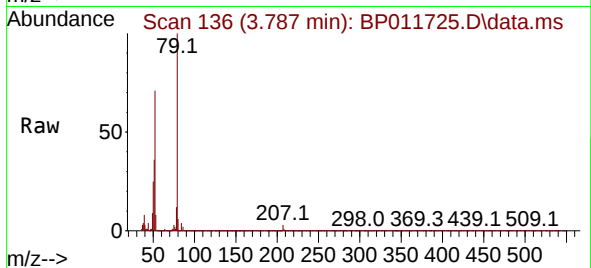
Tgt Ion: 88 Resp: 111501
Ion Ratio Lower Upper
88 100
58 77.1 74.5 111.7
43 26.7 31.5 47.3





#3
Pyridine
Concen: 7.935 ng
RT: 3.787 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

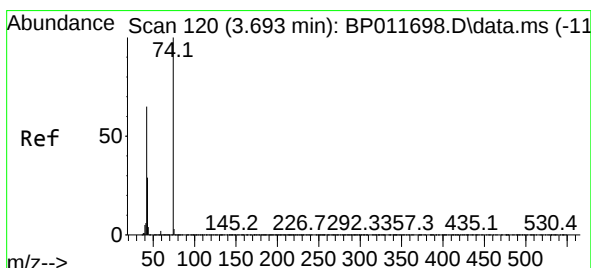
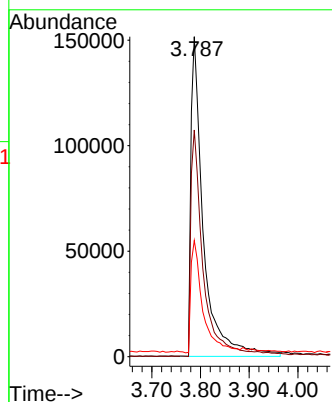
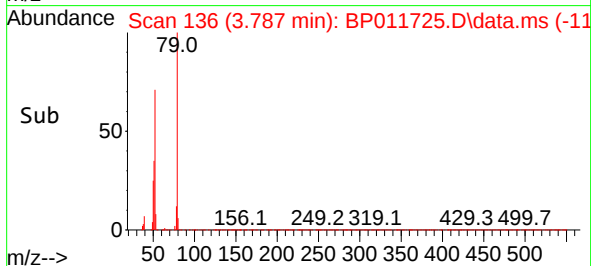
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



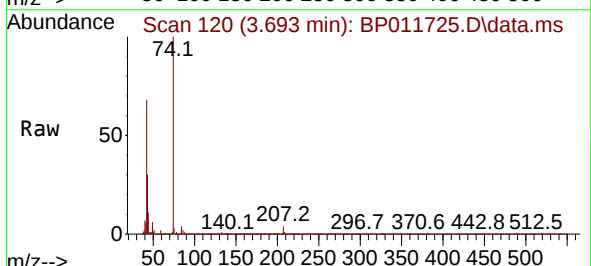
Tgt Ion: 79 Resp: 270028
Ion Ratio Lower Upper
79 100
52 70.9 73.5 110.3#
51 36.3 38.6 57.8#

Manual Integrations
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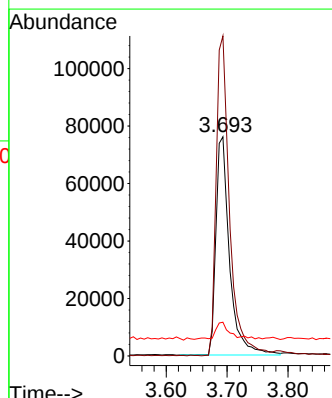
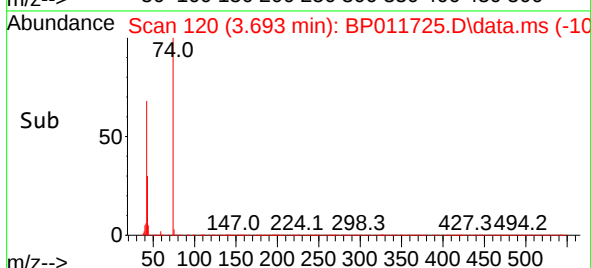
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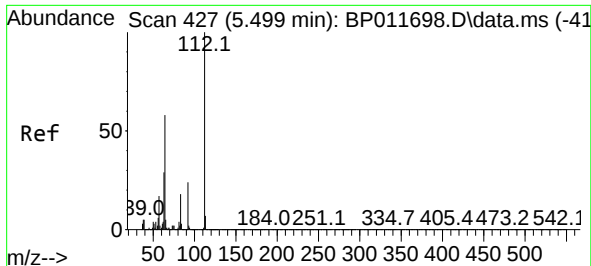


#4
n-Nitrosodimethylamine
Concen: 9.031 ng
RT: 3.693 min Scan# 120
Delta R.T. -0.000 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53



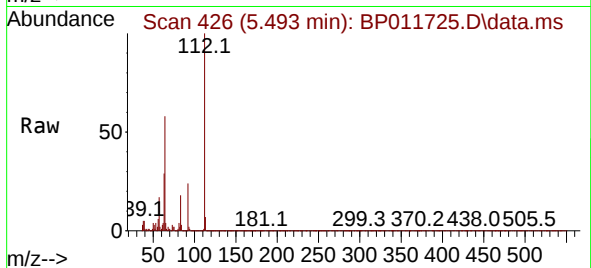
Tgt Ion: 42 Resp: 117818
Ion Ratio Lower Upper
42 100
74 146.0 74.4 111.6#
44 15.4 5.7 8.5#





#5
2-Fluorophenol
Concen: 94.151 ng
RT: 5.493 min Scan# 41
Delta R.T. -0.006 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

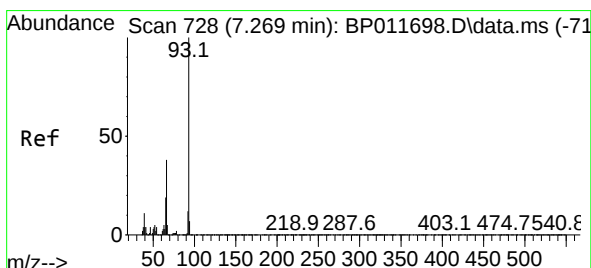
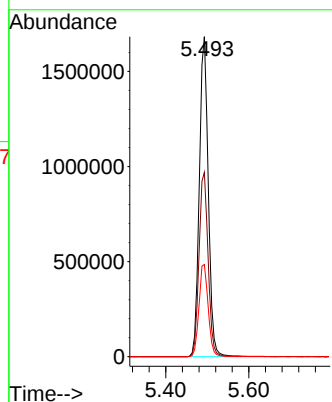
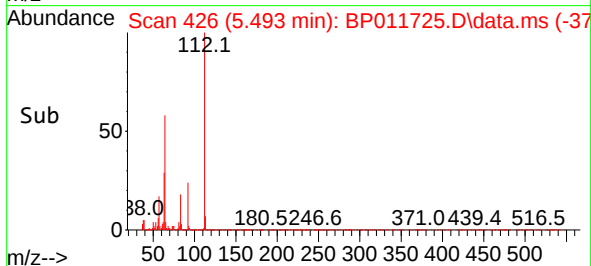
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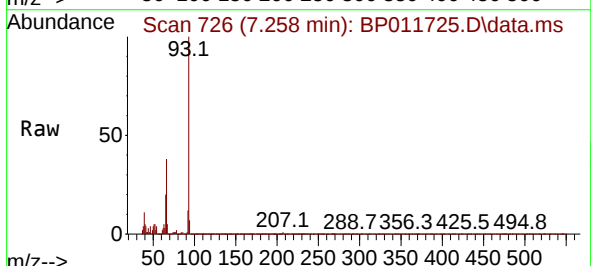
Tgt Ion:112 Resp: 2523460
Ion Ratio Lower Upper
112 100
64 57.6 56.9 85.3
63 28.8 31.2 46.8

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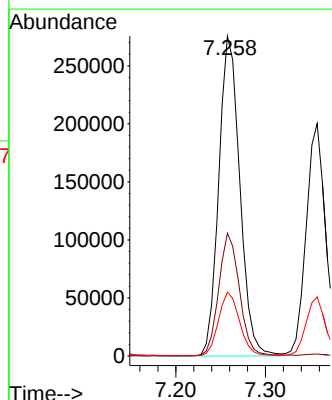
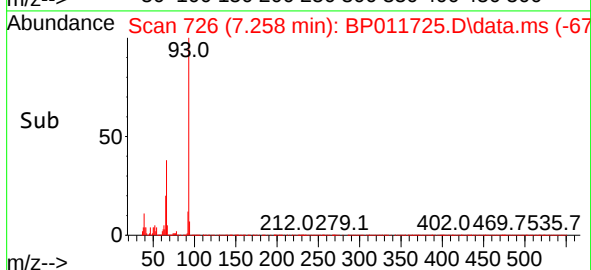
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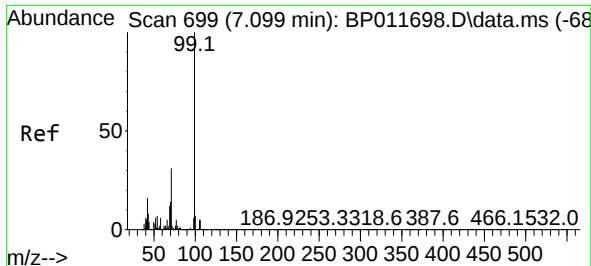


#6
Aniline
Concen: 10.203 ng
RT: 7.258 min Scan# 726
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53



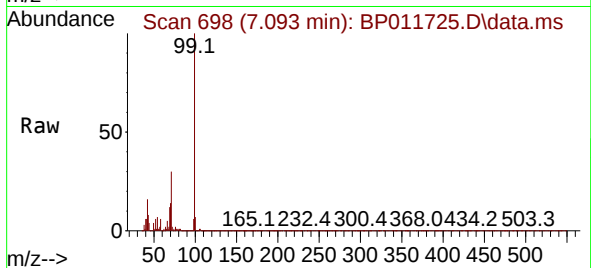
Tgt Ion: 93 Resp: 449030
Ion Ratio Lower Upper
93 100
66 38.4 36.7 55.1
65 20.0 18.2 27.4





#7
Phenol-d6
Concen: 95.574 ng
RT: 7.093 min Scan# 699
Delta R.T. -0.006 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

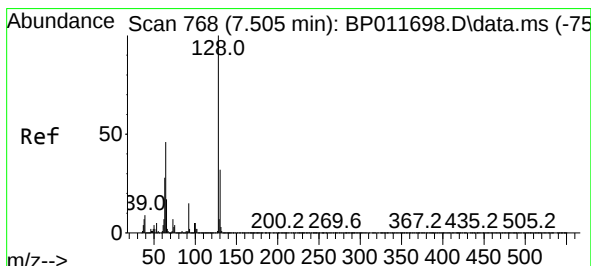
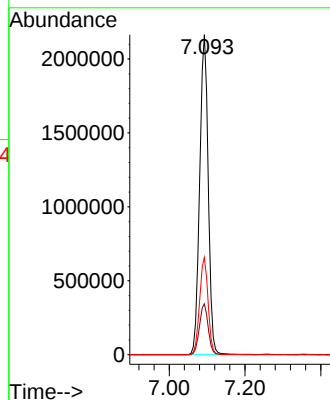
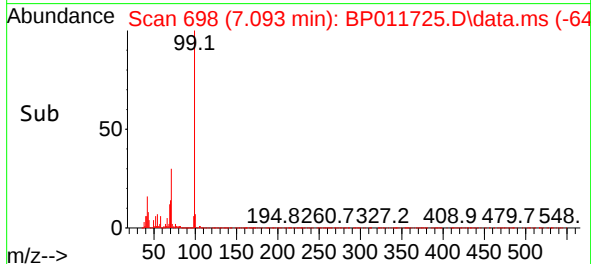
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BNA_P
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Tgt Ion: 99 Resp: 3414630
Ion Ratio Lower Upper
99 100
42 15.9 20.3 30.5
71 30.4 33.9 50.9

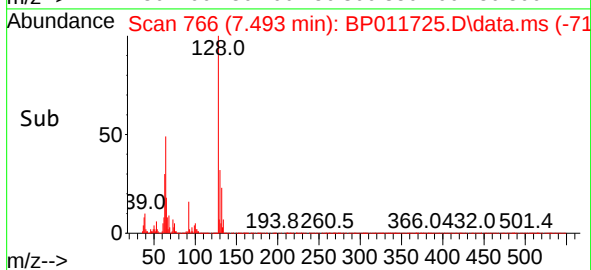
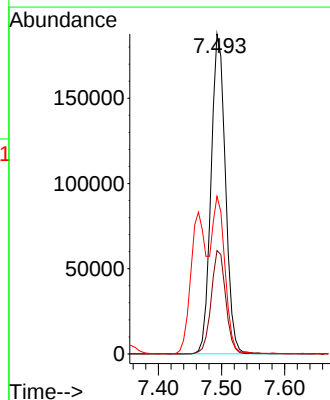
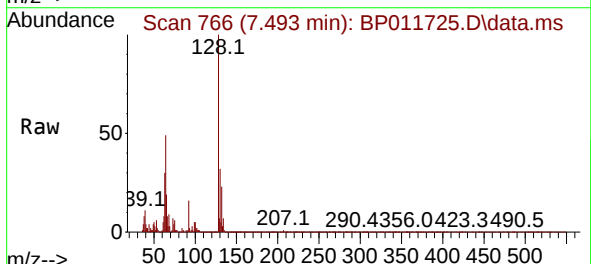
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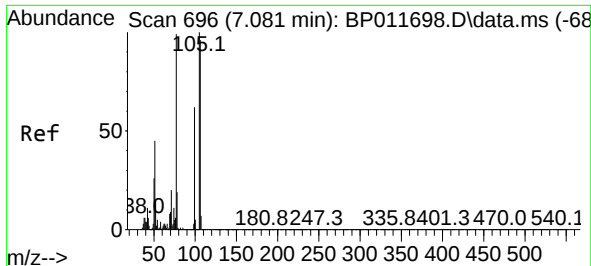
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Supervised By :Jagrut Upadhyay 09/19/2022



#8
2-Chlorophenol
Concen: 9.364 ng
RT: 7.493 min Scan# 766
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

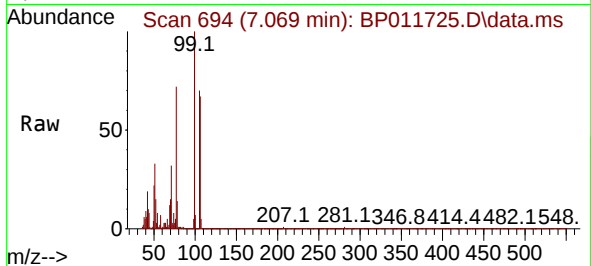
Tgt Ion:128 Resp: 297587
Ion Ratio Lower Upper
128 100
130 32.3 11.8 51.8
64 49.3 35.3 75.3





#9
Benzaldehyde
Concen: 11.309 ng
RT: 7.069 min Scan# 694
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

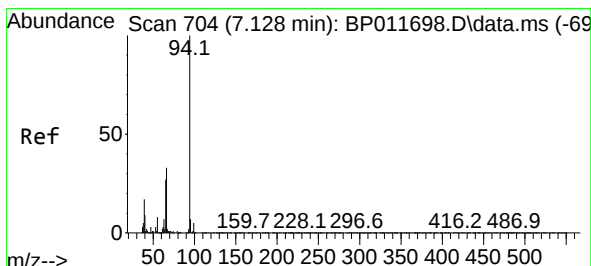
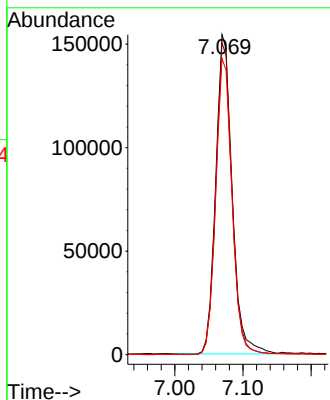
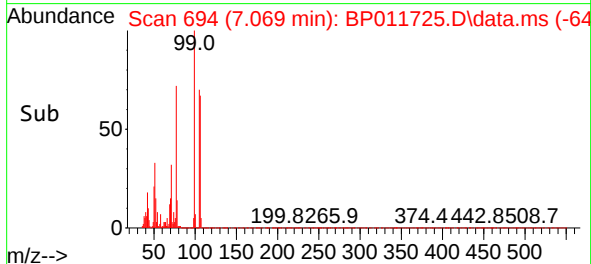
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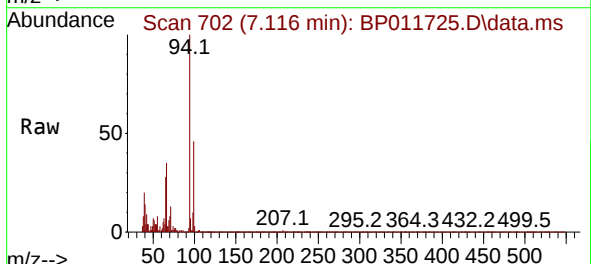
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Ion Ratio Lower Upper
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105 97.5 71.4 111.4
106 92.5 66.9 106.9

Manual Integrations
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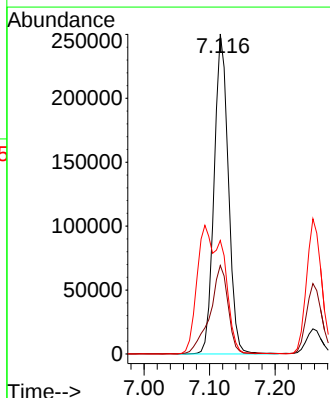
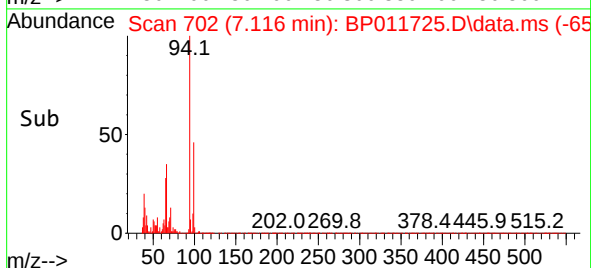
Reviewed By : Christian Giraldo 09/19/2022
Supervised By : Jagrut Upadhyay 09/19/2022

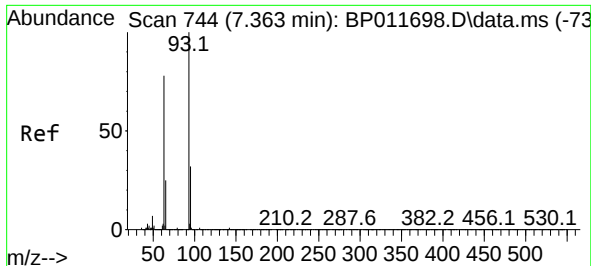


#10
Phenol
Concen: 9.353 ng
RT: 7.116 min Scan# 702
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53



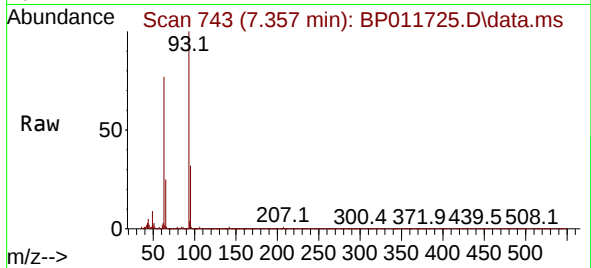
Tgt Ion: 94 Resp: 375835
Ion Ratio Lower Upper
94 100
65 27.7 14.0 54.0
66 35.5 29.2 69.2





#11
bis(2-Chloroethyl)ether
Concen: 9.401 ng
RT: 7.357 min Scan# 744
Delta R.T. -0.006 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

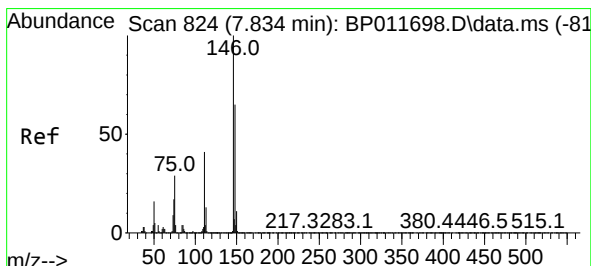
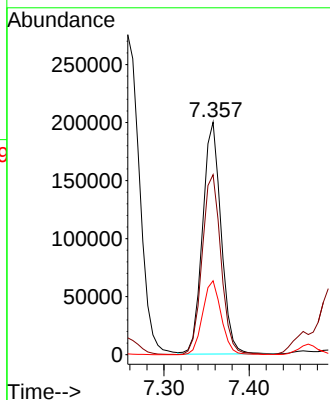
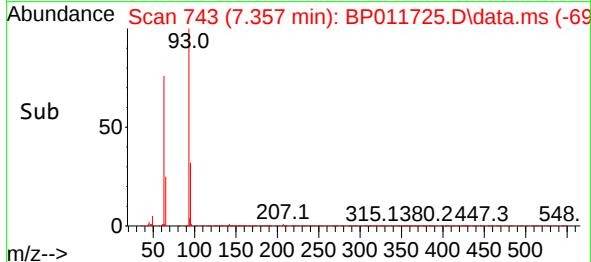
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



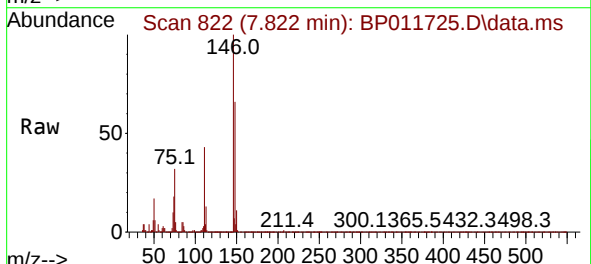
Tgt Ion: 93 Resp: 300940
Ion Ratio Lower Upper
93 100
63 77.5 68.2 108.2
95 31.8 12.2 52.2

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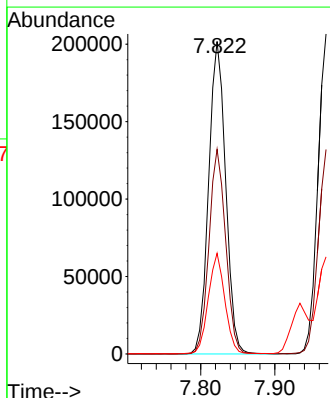
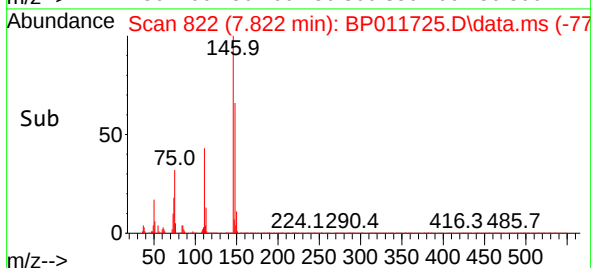
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

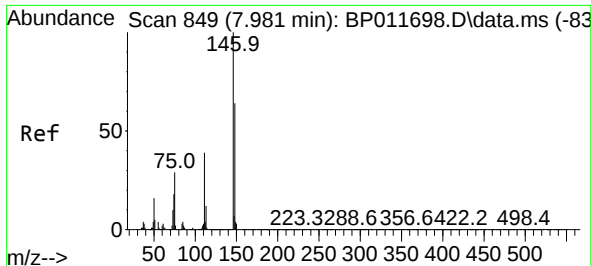


#12
1,3-Dichlorobenzene
Concen: 9.105 ng
RT: 7.822 min Scan# 822
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53



Tgt Ion:146 Resp: 320890
Ion Ratio Lower Upper
146 100
148 65.5 53.0 79.4
75 32.2 31.3 46.9





#13

1,4-Dichlorobenzene

Concen: 9.264 ng

RT: 7.969 min Scan# 84

Delta R.T. -0.012 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

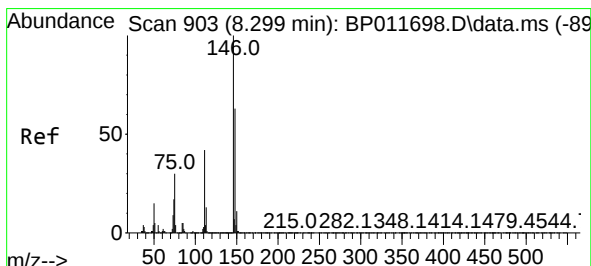
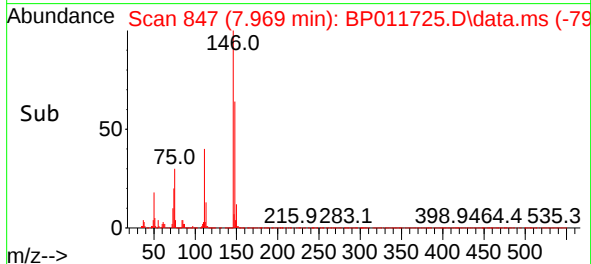
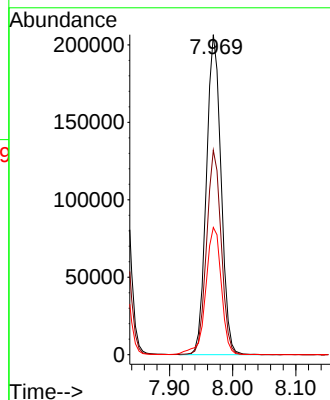
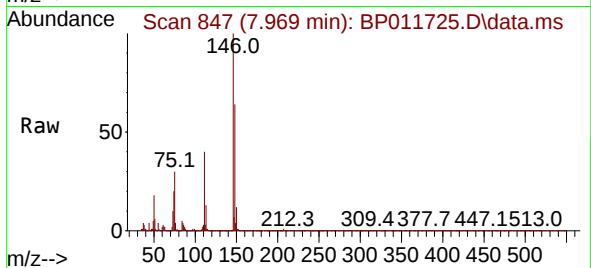
Tgt Ion:	146	Resp:	33203
Ion Ratio	Lower	Upper	
146	100		
148	63.9	51.6	77.4
111	39.7	35.2	52.8

Manual Integrations

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Reviewed By :Christian Giraldo 09/19/2022

Supervised By :Jagrut Upadhyay 09/19/2022



#14

1,2-Dichlorobenzene

Concen: 9.315 ng

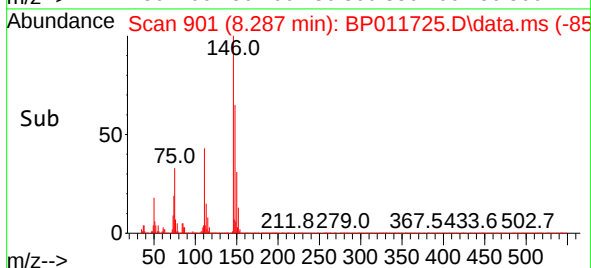
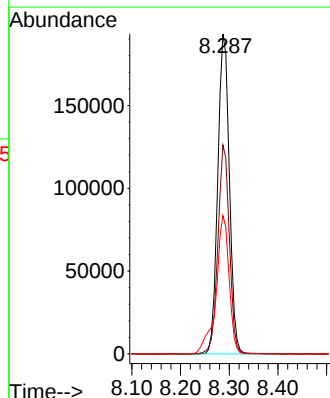
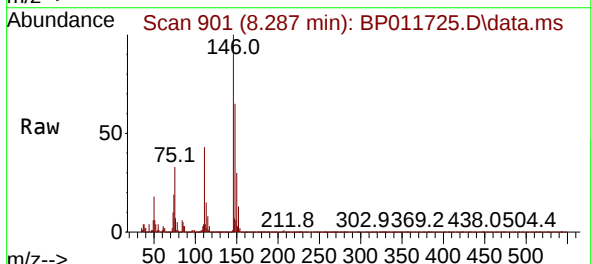
RT: 8.287 min Scan# 901

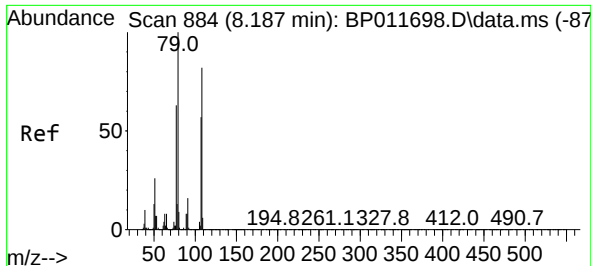
Delta R.T. -0.012 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

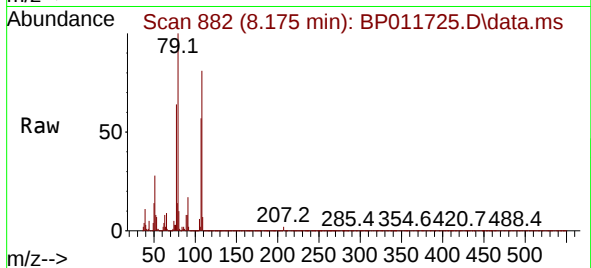
Tgt Ion:	146	Resp:	318283
Ion Ratio	Lower	Upper	
146	100		
148	65.3	52.2	78.2
111	43.3	36.6	55.0





#15
Benzyl Alcohol
Concen: 9.144 ng
RT: 8.175 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

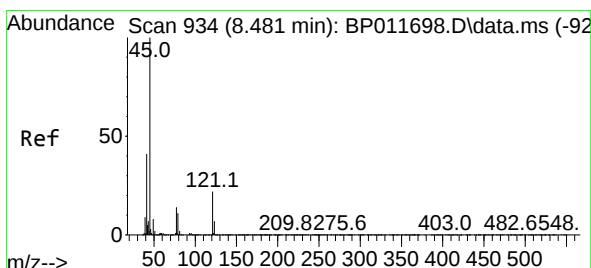
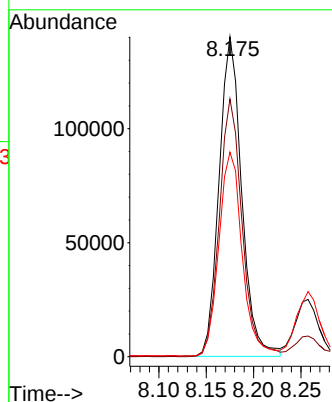
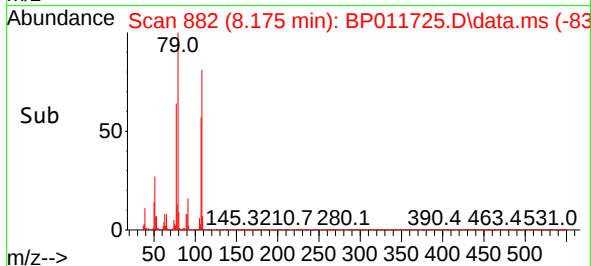
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



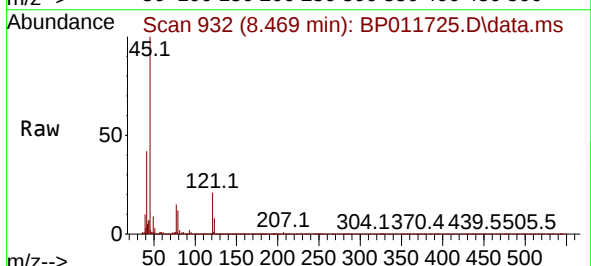
Tgt Ion: 79 Resp: 233215
Ion Ratio Lower Upper
79 100
108 80.5 53.4 80.0
77 63.9 51.5 77.3

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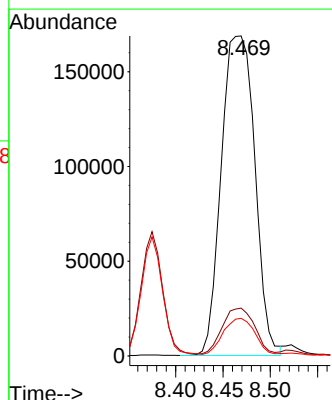
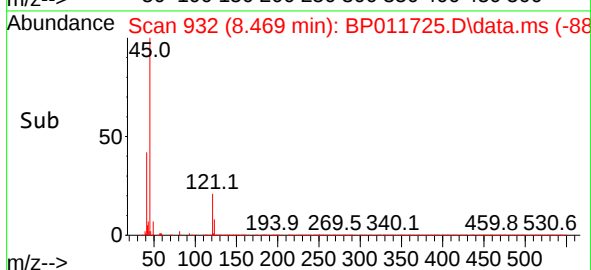
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

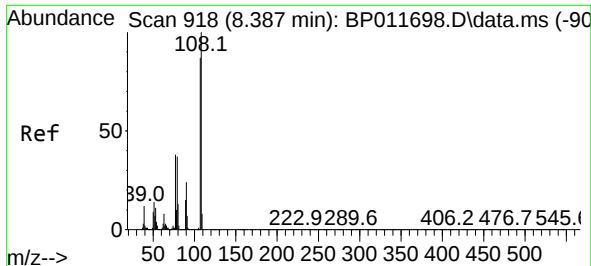


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.721 ng
RT: 8.469 min Scan# 932
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53



Tgt Ion: 45 Resp: 415644
Ion Ratio Lower Upper
45 100
77 15.0 0.0 31.8
79 11.8 0.0 28.8





#17

2-Methylphenol

Concen: 8.918 ng

RT: 8.375 min Scan# 916

Delta R.T. -0.012 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:107 Resp: 232669

Ion Ratio Lower Upper

107 100

108 114.1 88.9 133.3

77 44.4 44.7 67.1

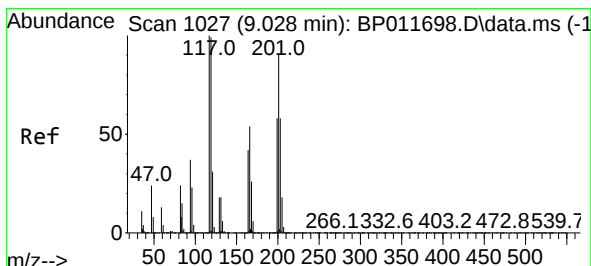
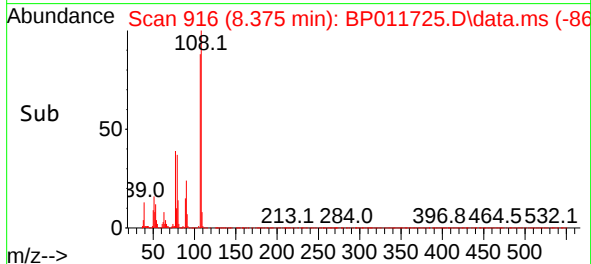
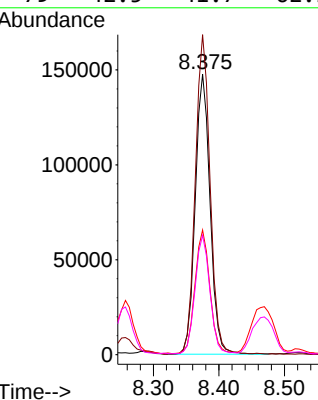
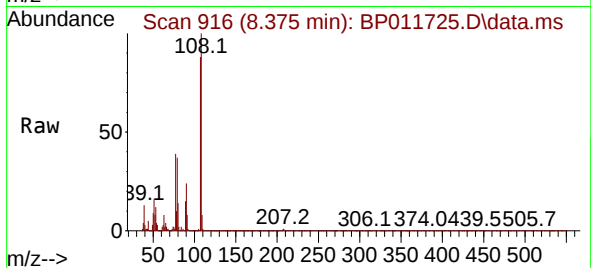
79 42.5 41.7 62.5

Manual Integrations

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Reviewed By :Christian Giraldo 09/19/2022

Supervised By :Jagrut Upadhyay 09/19/2022



#18

Hexachloroethane

Concen: 8.902 ng

RT: 9.022 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

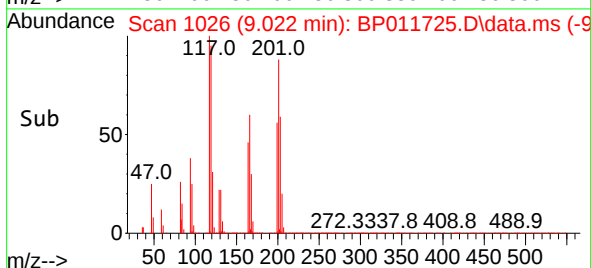
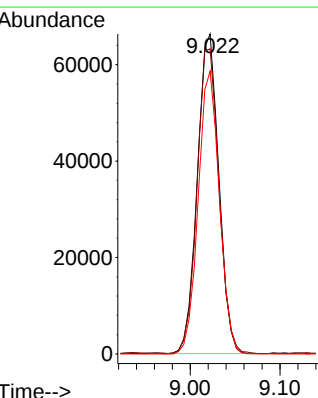
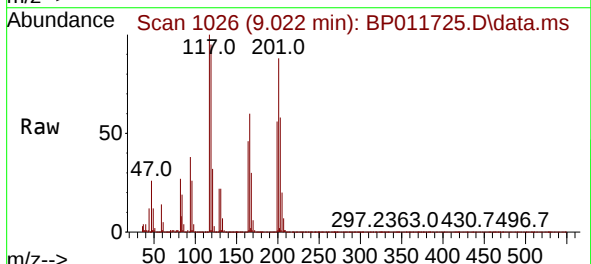
Tgt Ion:117 Resp: 110358

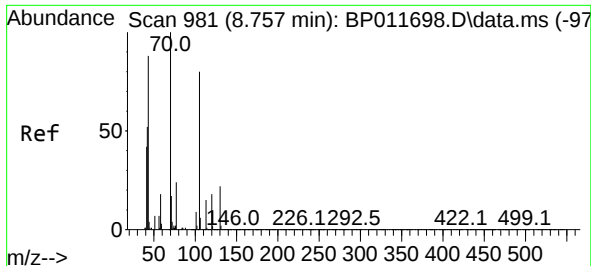
Ion Ratio Lower Upper

117 100

119 95.3 75.6 113.4

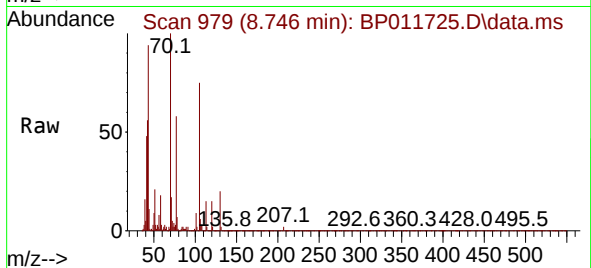
201 88.4 80.9 121.3





#19
n-Nitroso-di-n-propylamine
Concen: 9.197 ng
RT: 8.746 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

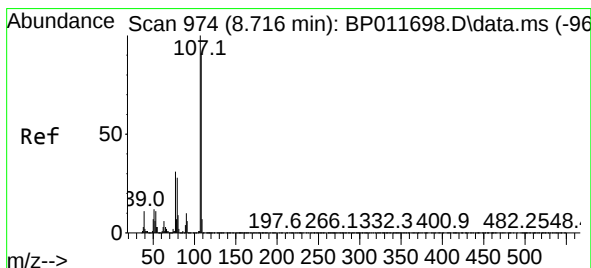
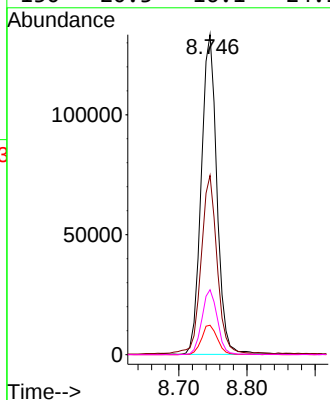
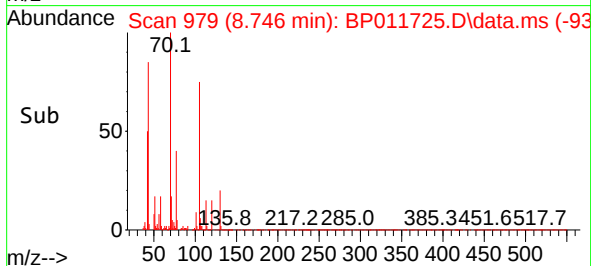
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



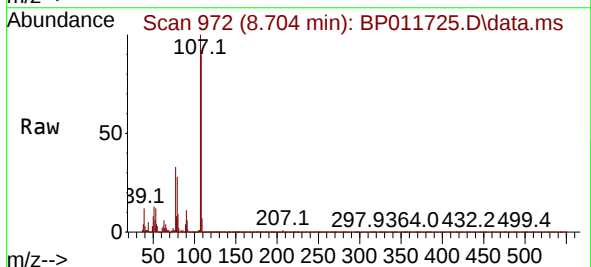
Tgt Ion: 70 Resp: 212748
Ion Ratio Lower Upper
70 100
42 56.0 58.1 87.1
101 9.2 8.4 12.6
130 20.3 16.1 24.1

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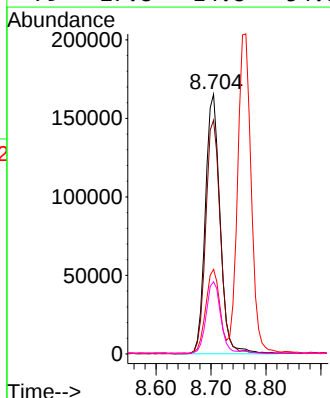
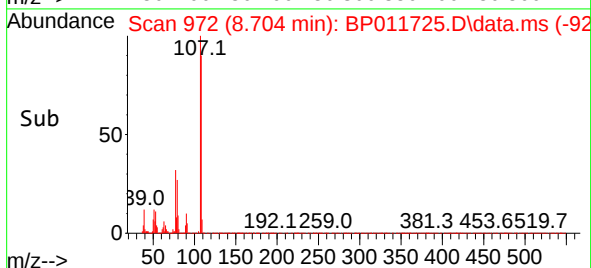
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

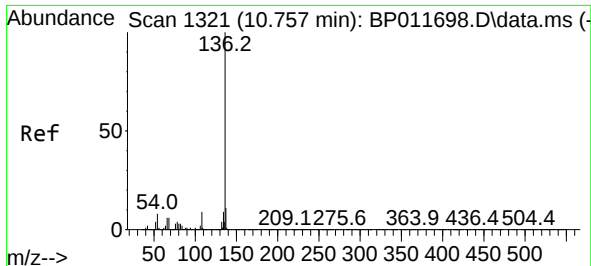


#20
3+4-Methylphenols
Concen: 8.570 ng
RT: 8.704 min Scan# 972
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53



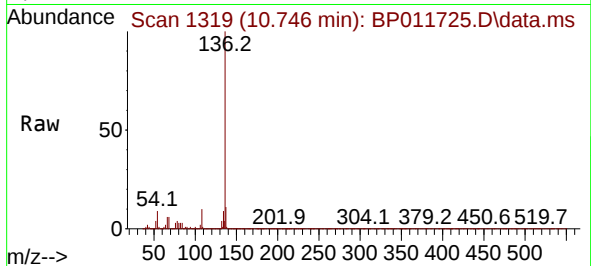
Tgt Ion:107 Resp: 307079
Ion Ratio Lower Upper
107 100
108 90.0 67.1 107.1
77 32.6 19.2 59.2
79 27.8 14.8 54.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.746 min Scan# 11
Delta R.T. -0.011 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

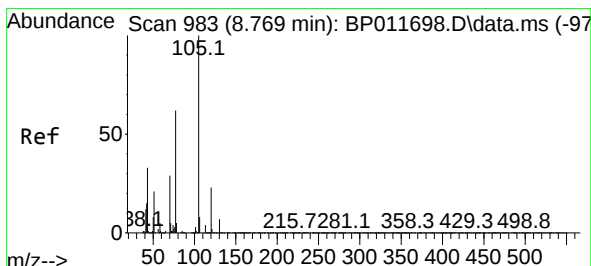
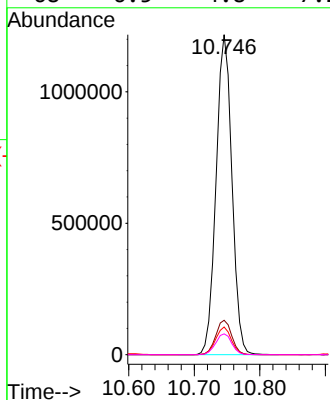
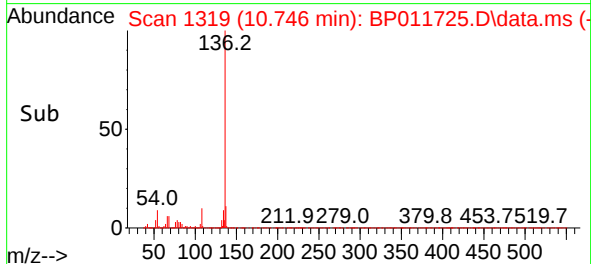
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:136 Resp: 2034070
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.6 8.7 13.1
68 6.5 4.8 7.2

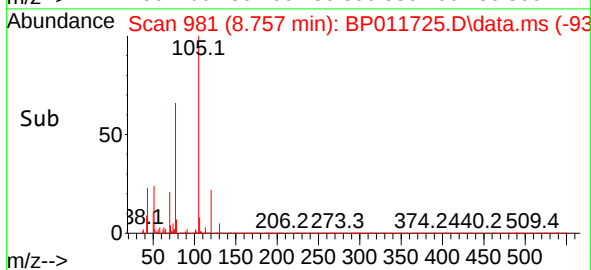
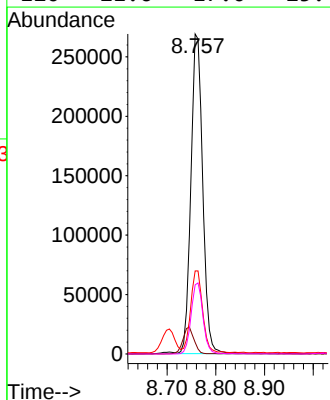
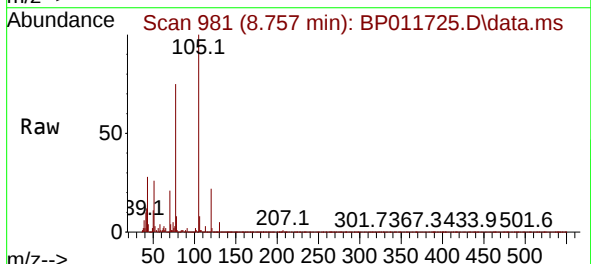
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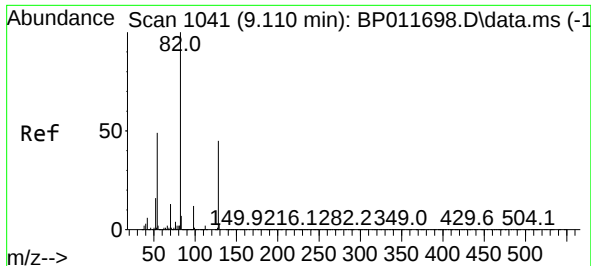
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#22
Acetophenone
Concen: 9.542 ng
RT: 8.757 min Scan# 981
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Tgt Ion:105 Resp: 455016
Ion Ratio Lower Upper
105 100
71 3.6 3.4 5.0
51 26.0 29.5 44.3
120 21.6 17.0 25.4





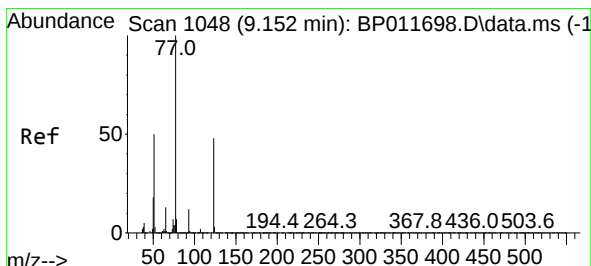
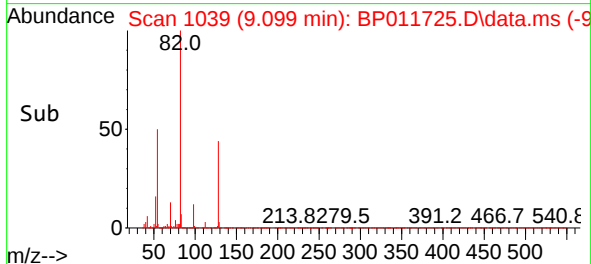
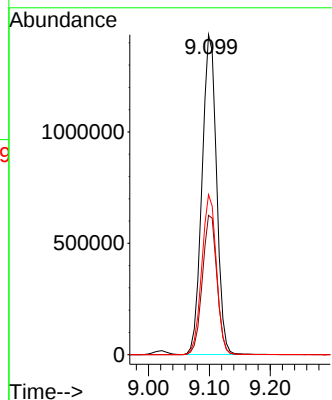
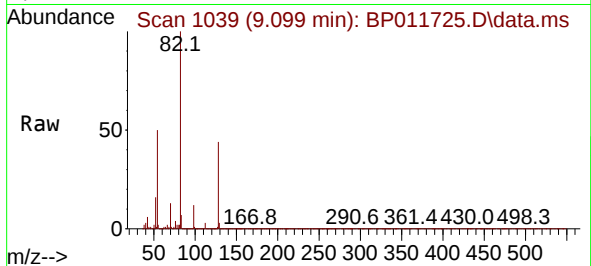
#23
Nitrobenzene-d5
Concen: 69.496 ng
RT: 9.099 min Scan# 1039
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion: 82 Resp: 238351
Ion Ratio Lower Upper
82 100
128 43.5 31.3 46.9
54 50.0 49.8 74.8

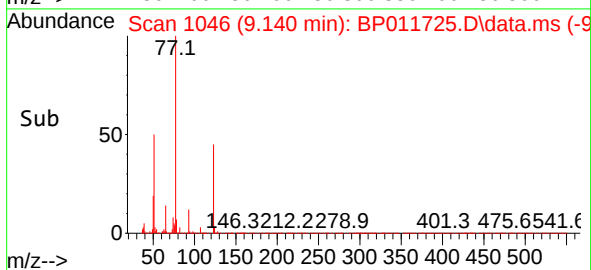
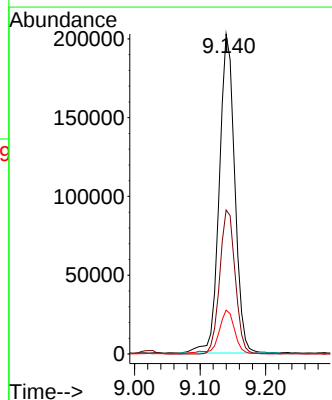
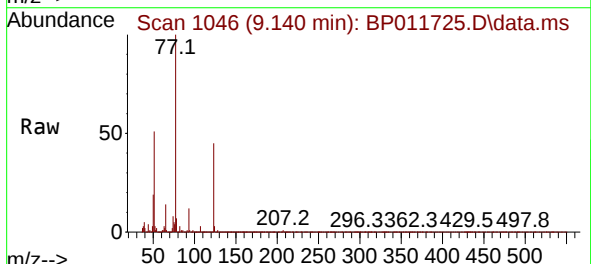
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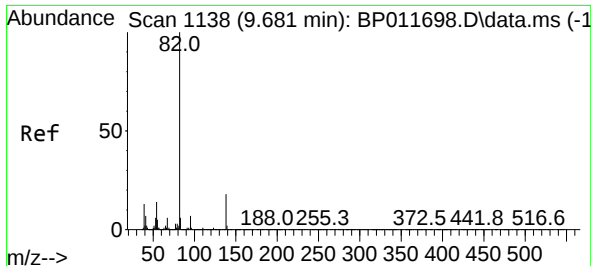
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#24
Nitrobenzene
Concen: 9.281 ng
RT: 9.140 min Scan# 1046
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

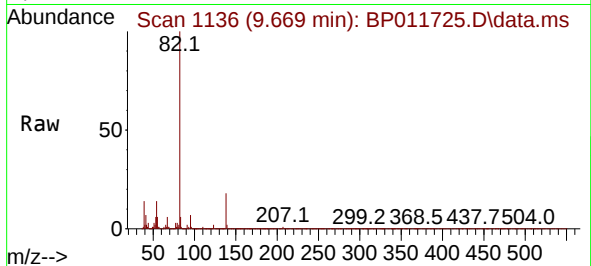
Tgt Ion: 77 Resp: 331191
Ion Ratio Lower Upper
77 100
123 45.0 31.1 46.7
65 13.7 12.1 18.1





#25
Isophorone
Concen: 9.100 ng
RT: 9.669 min Scan# 1136
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

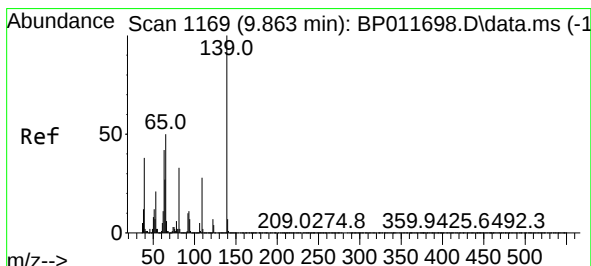
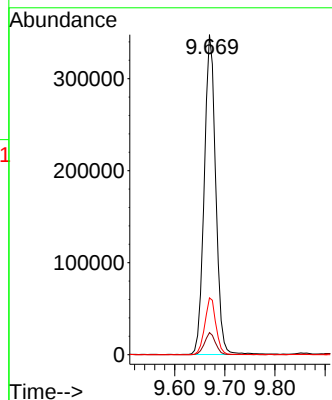
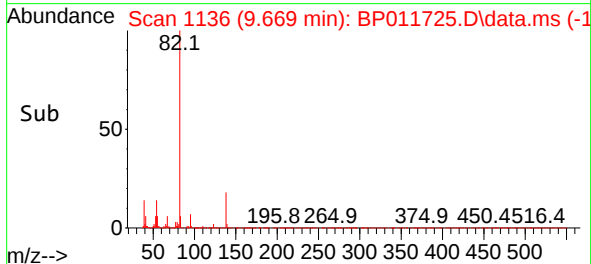
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion: 82 Resp: 552109
Ion Ratio Lower Upper
82 100
95 6.9 6.5 9.7
138 17.8 12.4 18.6

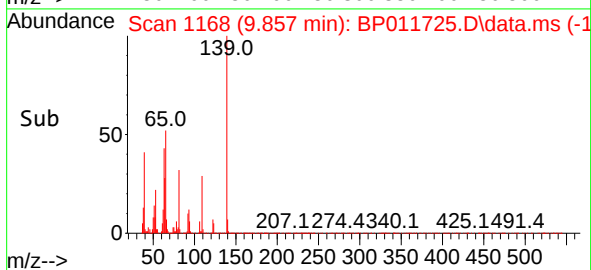
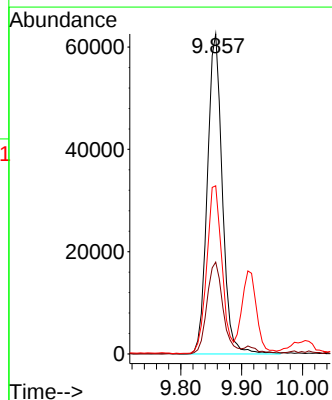
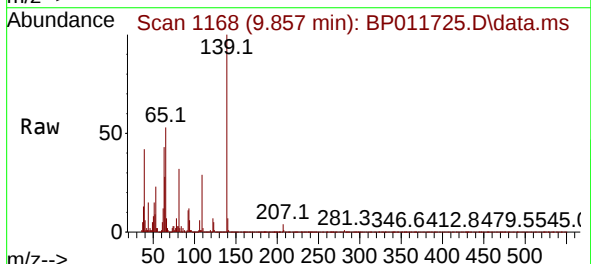
Manual Integrations
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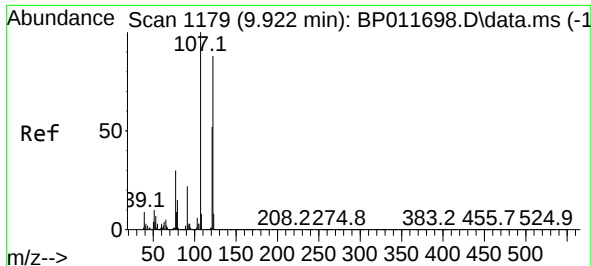
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#26
2-Nitrophenol
Concen: 7.284 ng
RT: 9.857 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Tgt Ion:139 Resp: 106628
Ion Ratio Lower Upper
139 100
109 28.7 30.2 45.4#
65 52.6 52.2 78.2





#27

2,4-Dimethylphenol

Concen: 9.942 ng

RT: 9.910 min Scan# 1177

Delta R.T. -0.012 min

Lab File: BP011725.D

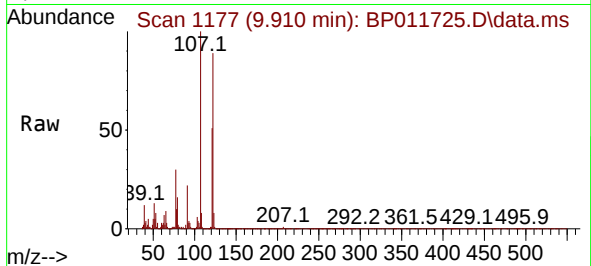
Acq: 16 Sep 2022 10:53

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion:122 Resp: 252180

Ion Ratio Lower Upper

122 100

107 112.6 103.5 155.3

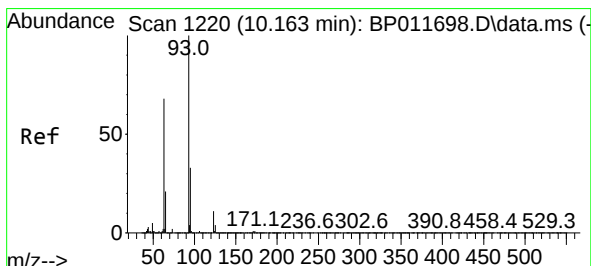
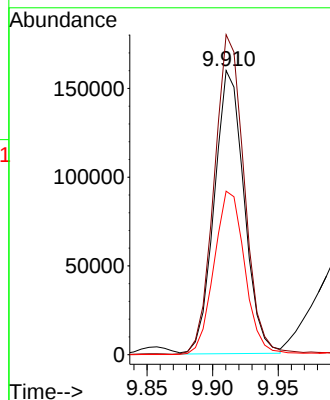
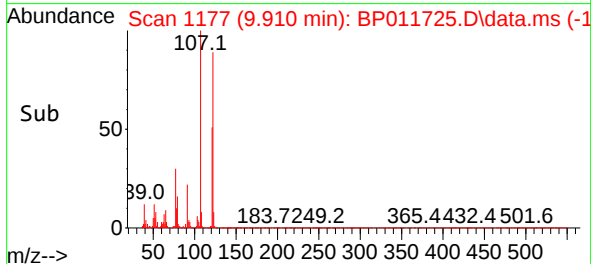
121 57.6 47.5 71.3

Manual Integrations

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Reviewed By :Christian Giraldo 09/19/2022

Supervised By :Jagrut Upadhyay 09/19/2022



#28

bis(2-Chloroethoxy)methane

Concen: 10.288 ng

RT: 10.151 min Scan# 1218

Delta R.T. -0.012 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

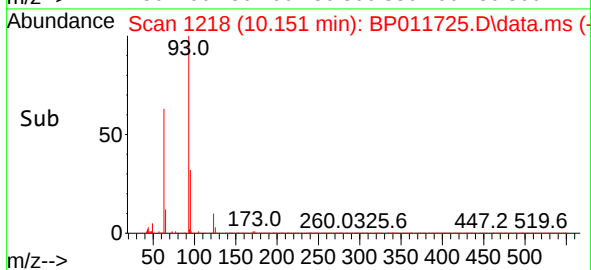
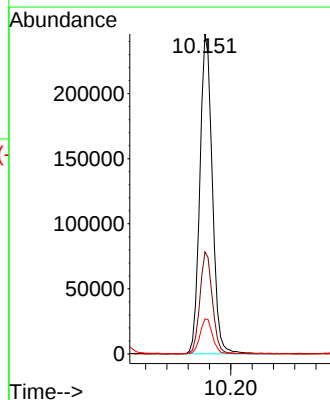
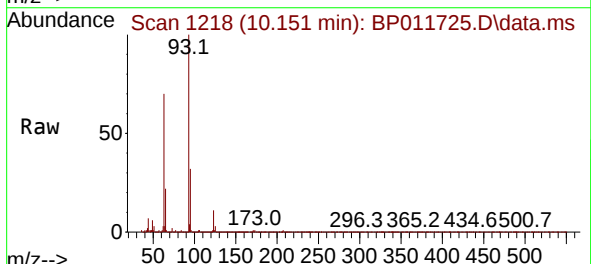
Tgt Ion: 93 Resp: 399150

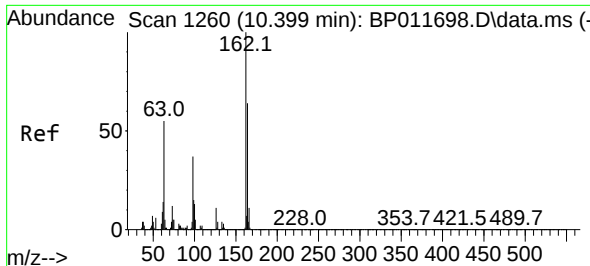
Ion Ratio Lower Upper

93 100

95 31.9 25.0 37.6

123 11.0 9.0 13.6





#29

2,4-Dichlorophenol

Concen: 8.334 ng

RT: 10.387 min Scan# 1258

Delta R.T. -0.012 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

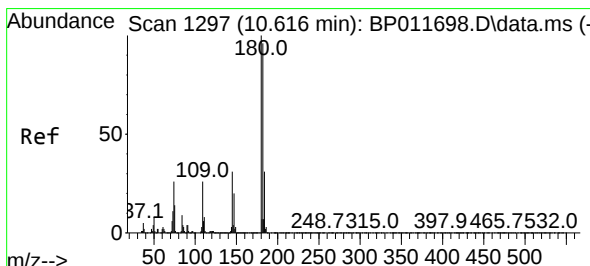
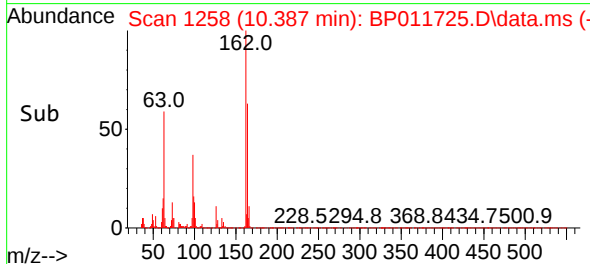
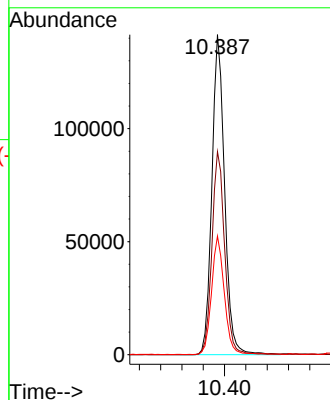
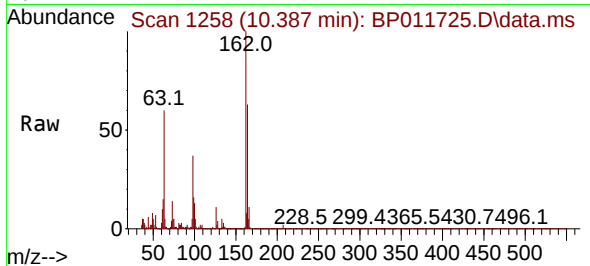
Tgt Ion:	162	Resp:	23417
Ion Ratio	Lower	Upper	
162	100		
164	63.5	43.0	83.0
98	37.1	20.4	60.4

Manual Integrations

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Reviewed By :Christian Giraldo 09/19/2022

Supervised By :Jagrut Upadhyay 09/19/2022



#30

1,2,4-Trichlorobenzene

Concen: 8.660 ng

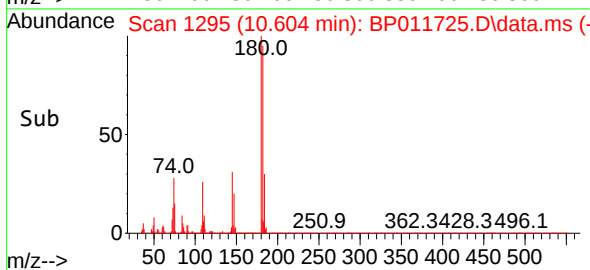
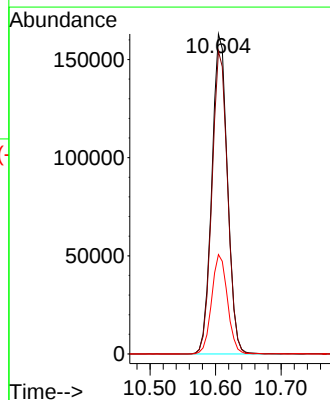
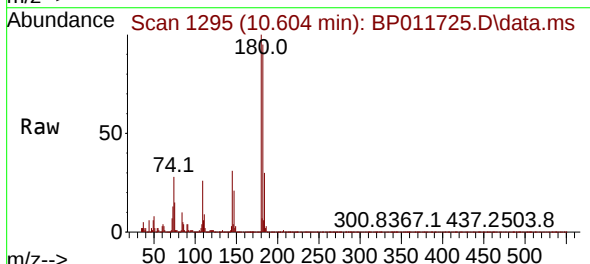
RT: 10.604 min Scan# 1295

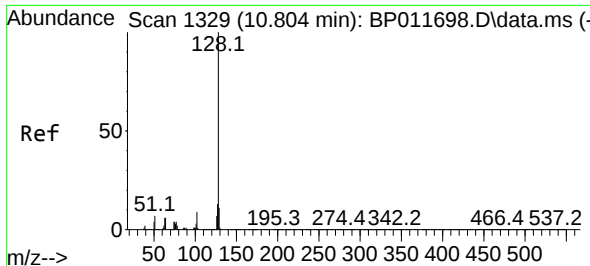
Delta R.T. -0.012 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

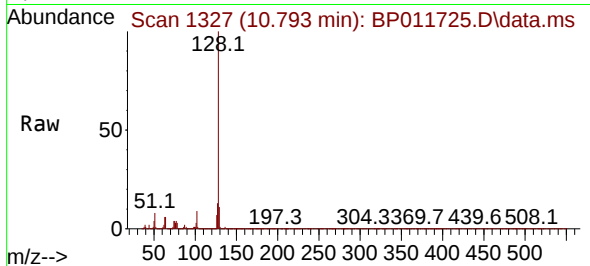
Tgt Ion:	180	Resp:	269408
Ion Ratio	Lower	Upper	
180	100		
182	94.6	78.0	117.0
145	31.1	24.6	36.8





#31
Naphthalene
Concen: 9.030 ng
RT: 10.793 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

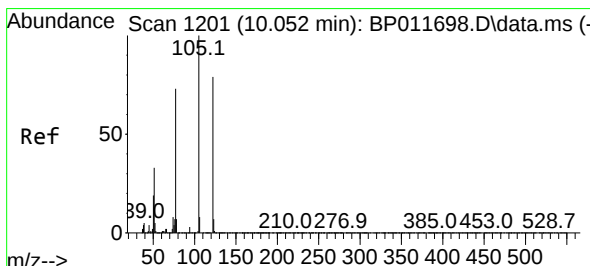
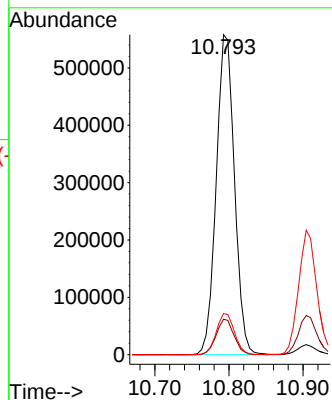
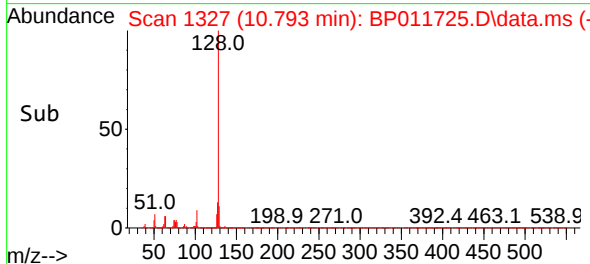
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:128 Resp: 95315
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 12.9 10.3 15.5

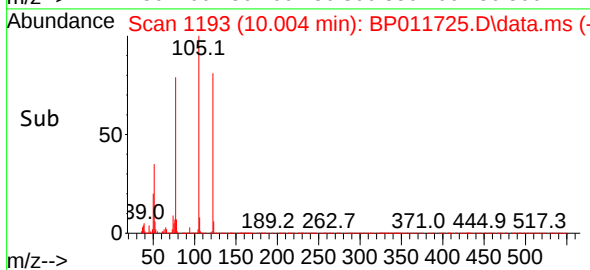
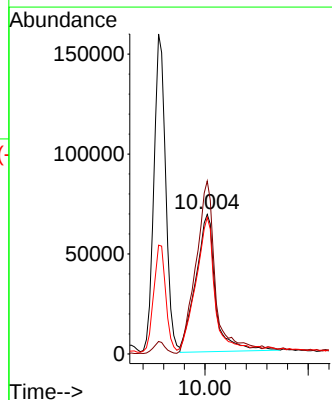
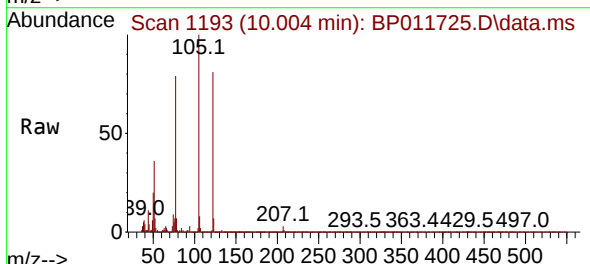
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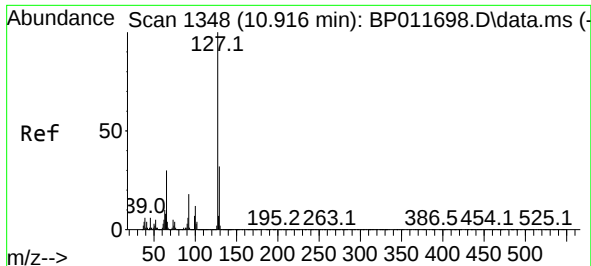
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#32
Benzoic acid
Concen: 9.625 ng
RT: 10.004 min Scan# 1193
Delta R.T. -0.048 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

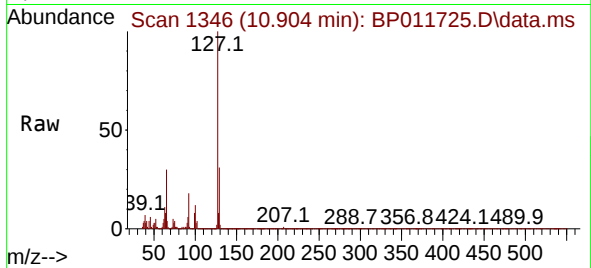
Tgt Ion:122 Resp: 182696
Ion Ratio Lower Upper
122 100
105 123.9 112.6 152.6
77 97.9 90.2 130.2





#33
4-Chloroaniline
Concen: 9.145 ng
RT: 10.904 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

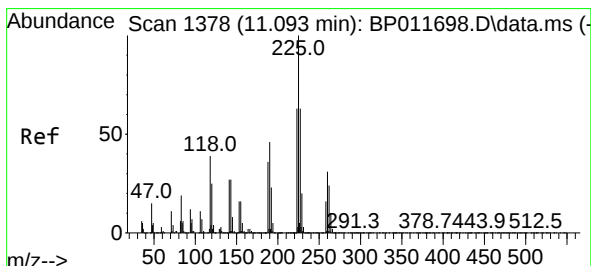
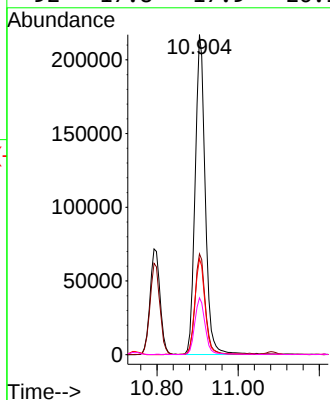
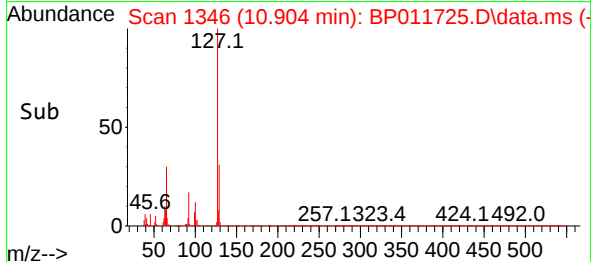
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:127 Resp: 37872
Ion Ratio Lower Upper
127 100
129 31.5 25.4 38.2
65 30.0 30.4 45.6
92 17.8 17.9 26.9#

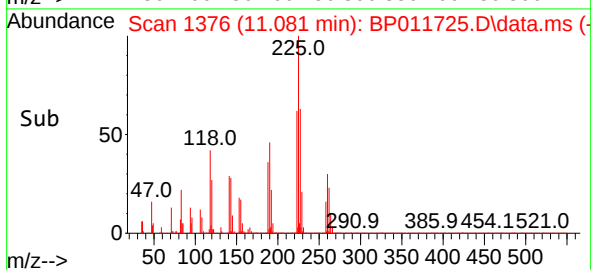
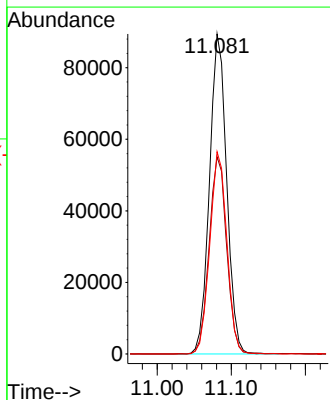
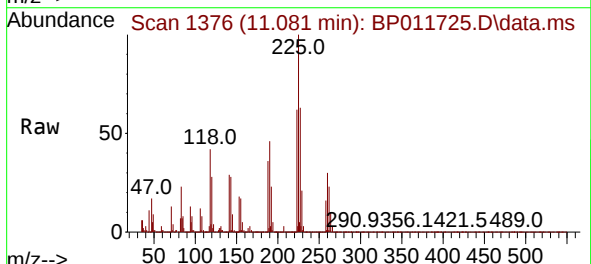
Manual Integrations
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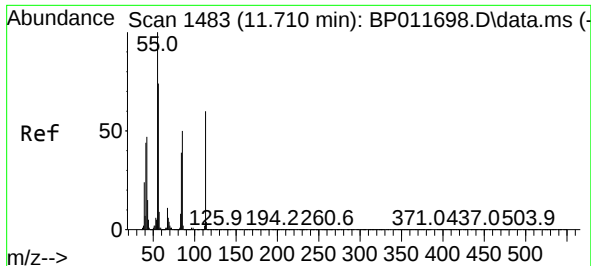
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#34
Hexachlorobutadiene
Concen: 8.393 ng
RT: 11.081 min Scan# 1376
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

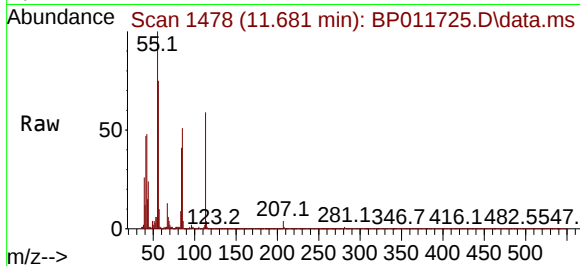
Tgt Ion:225 Resp: 143824
Ion Ratio Lower Upper
225 100
223 61.6 52.2 78.4
227 63.2 50.8 76.2





#35
Caprolactam
Concen: 7.019 ng
RT: 11.681 min Scan# 1483
Delta R.T. -0.029 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

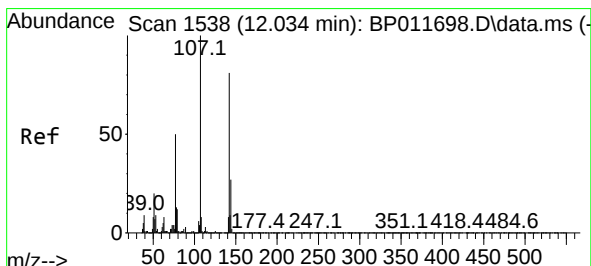
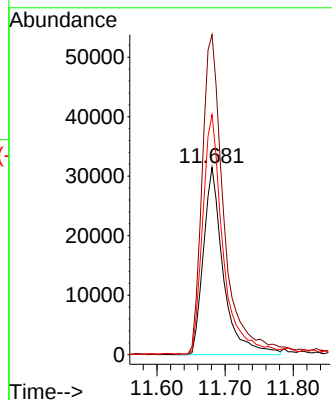
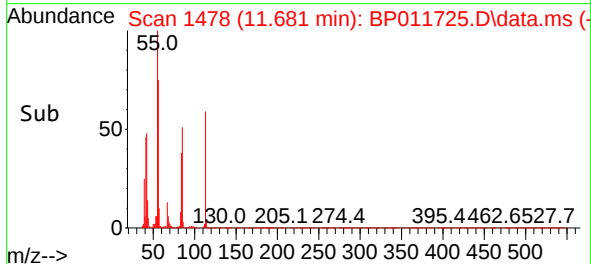
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



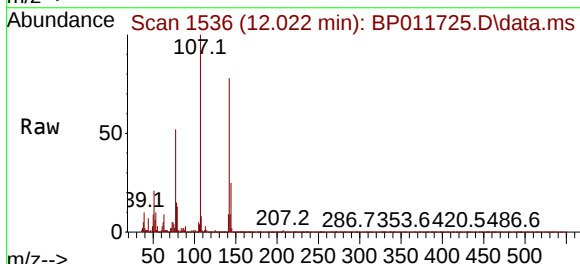
Tgt Ion:113 Resp: 6390
Ion Ratio Lower Upper
113 100
55 170.9 198.6 238.6
56 128.1 142.7 182.7

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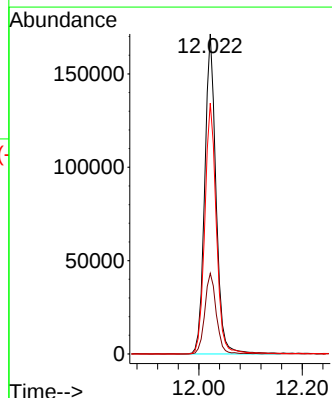
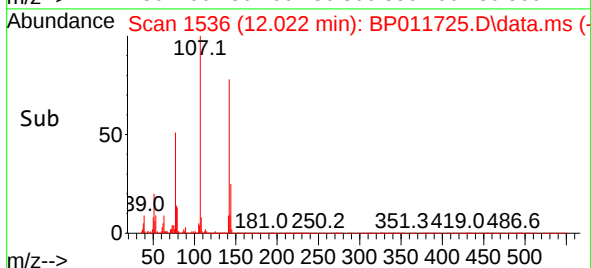
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

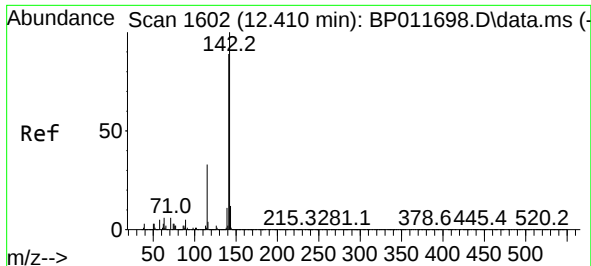


#36
4-Chloro-3-methylphenol
Concen: 8.595 ng
RT: 12.022 min Scan# 1536
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53



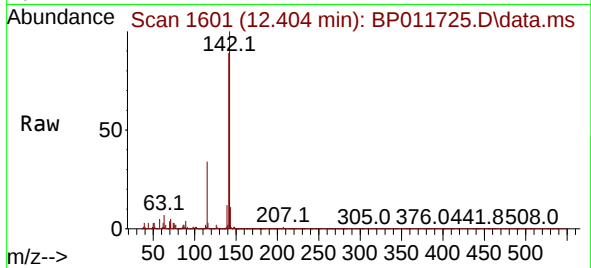
Tgt Ion:107 Resp: 259721
Ion Ratio Lower Upper
107 100
144 25.2 19.8 29.6
142 78.4 59.0 88.4





#37
2-Methylnaphthalene
Concen: 8.880 ng
RT: 12.404 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

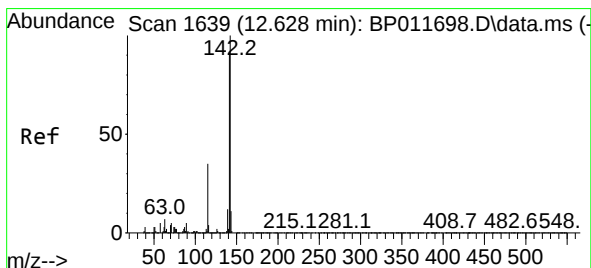
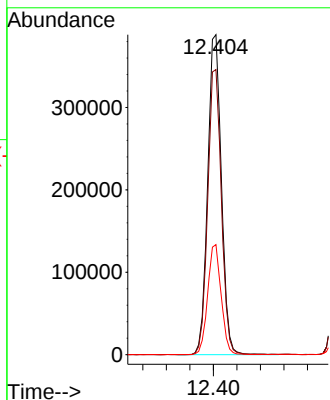
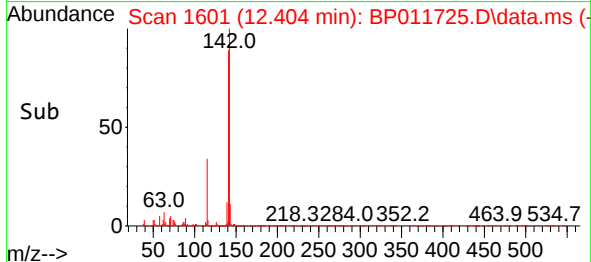
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



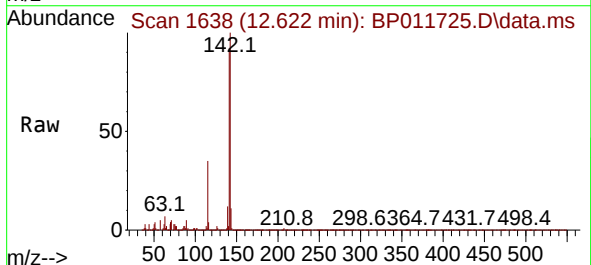
Tgt Ion:142 Resp: 627270
Ion Ratio Lower Upper
142 100
141 89.1 71.3 106.9
115 34.4 31.4 47.2

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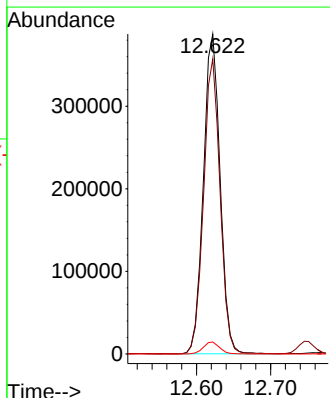
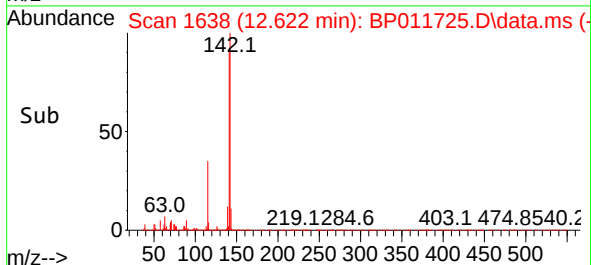
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

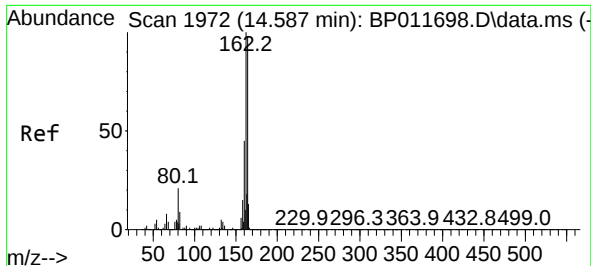


#38
1-Methylnaphthalene
Concen: 8.767 ng
RT: 12.622 min Scan# 1638
Delta R.T. -0.006 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53



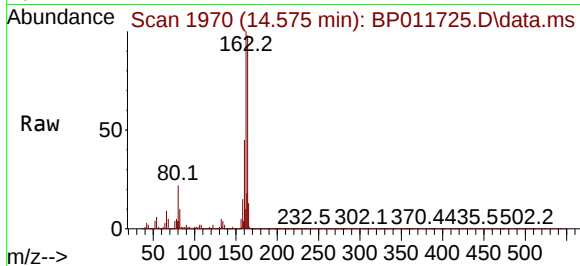
Tgt Ion:142 Resp: 605473
Ion Ratio Lower Upper
142 100
141 92.2 72.6 108.8
116 3.8 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.575 min Scan# 1972
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

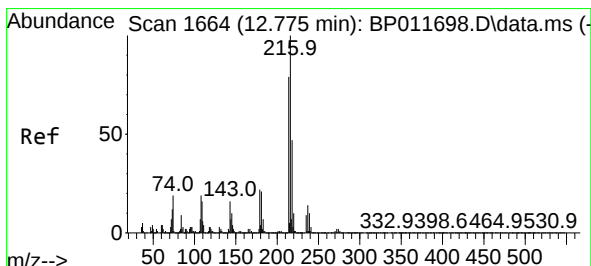
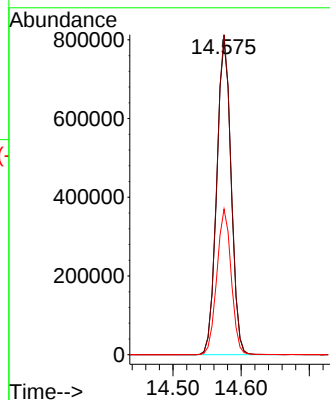
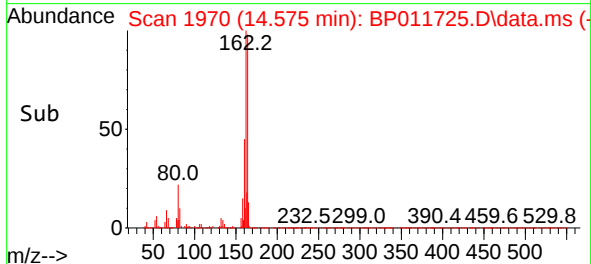
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:164 Resp: 1174235
Ion Ratio Lower Upper
164 100
162 102.2 81.9 122.9
160 46.5 34.6 51.8

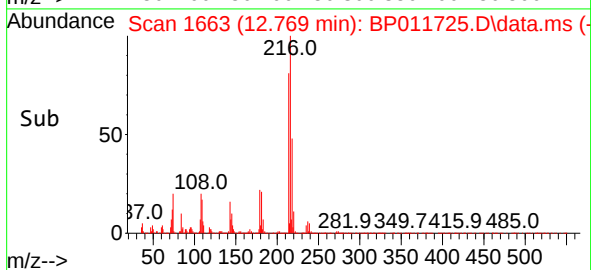
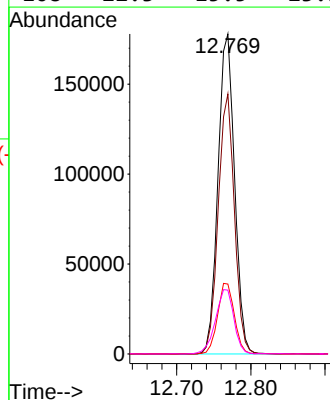
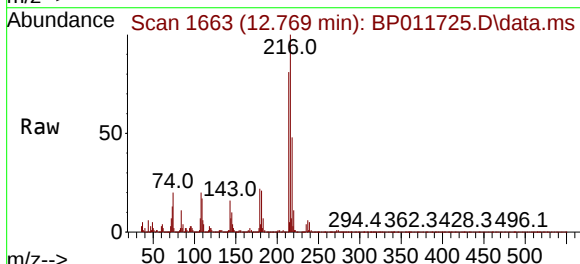
Manual Integrations
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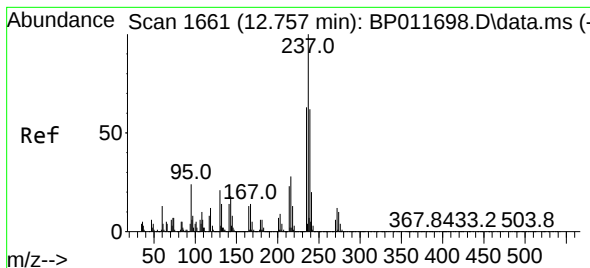
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.917 ng
RT: 12.769 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Tgt Ion:216 Resp: 276350
Ion Ratio Lower Upper
216 100
214 79.5 61.9 92.9
179 22.3 17.0 25.6
108 22.3 15.5 23.3





#41

Hexachlorocyclopentadiene

Concen: 9.428 ng

RT: 12.751 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

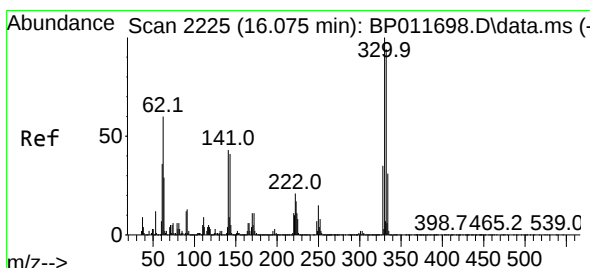
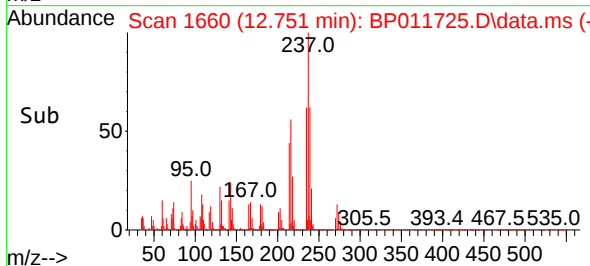
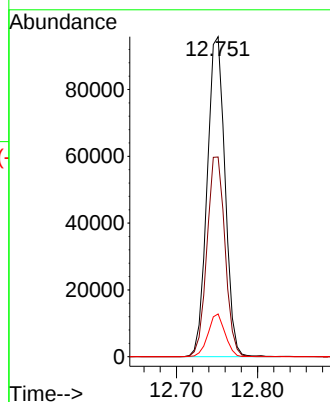
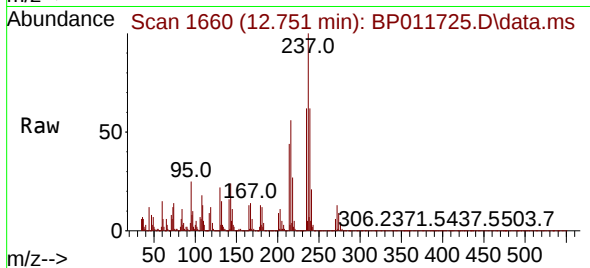
Tgt Ion:	237	Resp:	145830
Ion Ratio	Lower	Upper	
237	100		
235	62.4	43.3	83.3
272	13.4	0.0	33.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/19/2022

Supervised By :Jagrut Upadhyay 09/19/2022



#42

2,4,6-Tribromophenol

Concen: 90.403 ng

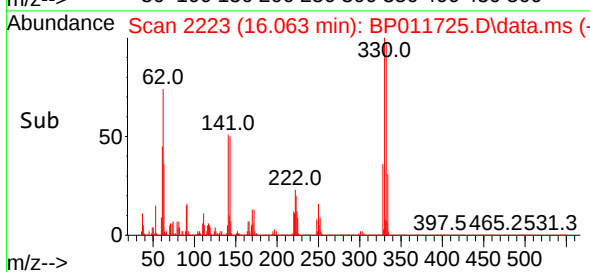
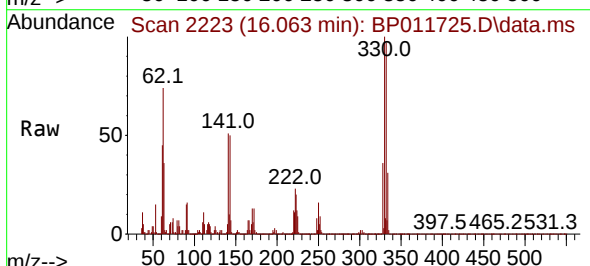
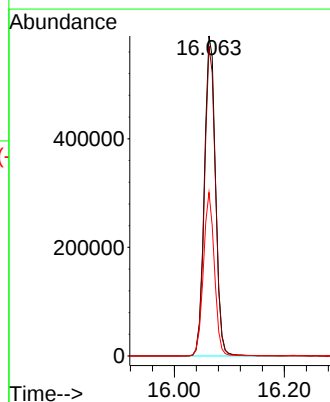
RT: 16.063 min Scan# 2223

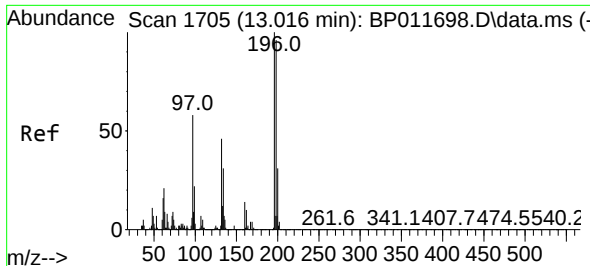
Delta R.T. -0.012 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

Tgt Ion:	330	Resp:	829419
Ion Ratio	Lower	Upper	
330	100		
332	95.6	78.1	117.1
141	50.4	31.4	47.2





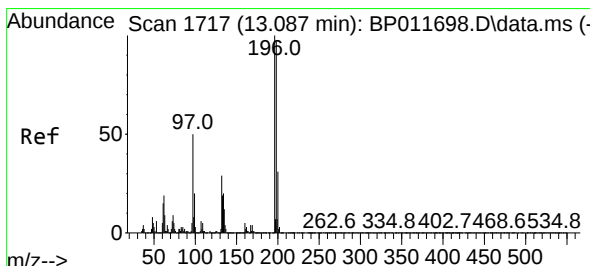
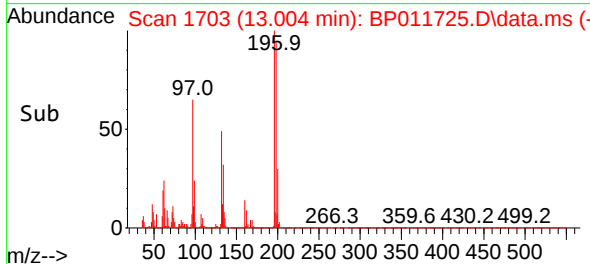
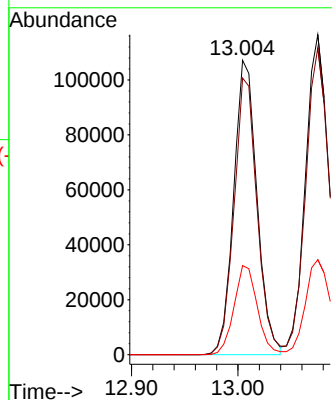
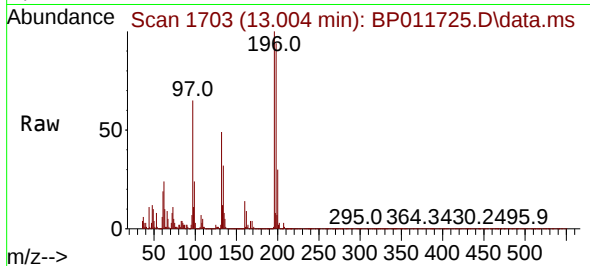
#43
2,4,6-Trichlorophenol
Concen: 7.742 ng
RT: 13.004 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:196 Resp: 163210
Ion Ratio Lower Upper
196 100
198 93.9 77.7 116.5
200 30.2 25.5 38.3

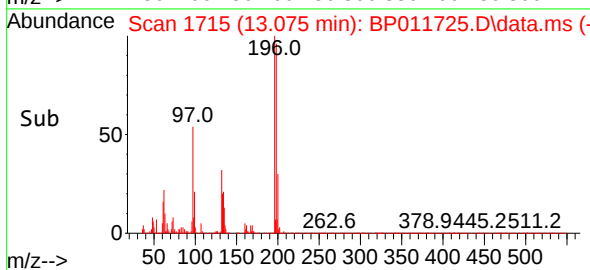
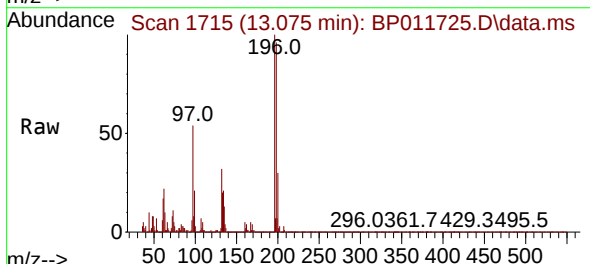
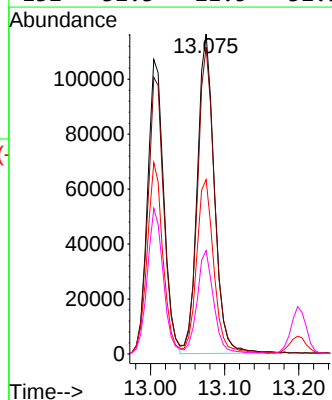
Manual Integrations
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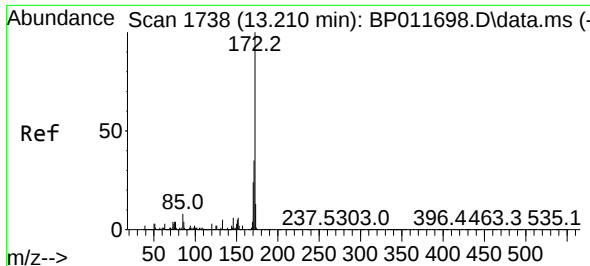
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#44
2,4,5-Trichlorophenol
Concen: 7.875 ng
RT: 13.075 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

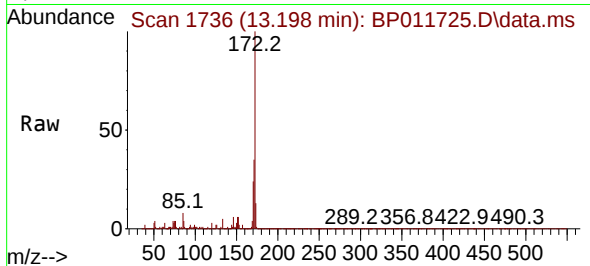
Tgt Ion:196 Resp: 185625
Ion Ratio Lower Upper
196 100
198 95.9 75.7 113.5
97 54.5 42.4 63.6
132 32.3 21.5 32.3#





#45
2-Fluorobiphenyl
Concen: 68.630 ng
RT: 13.198 min Scan# 1736
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

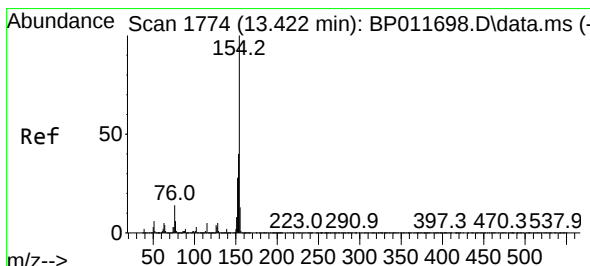
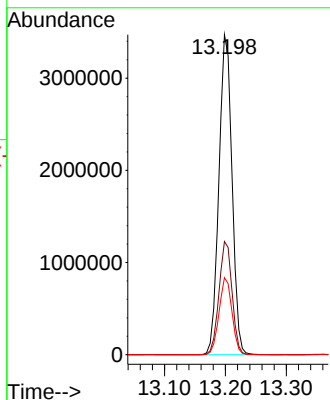
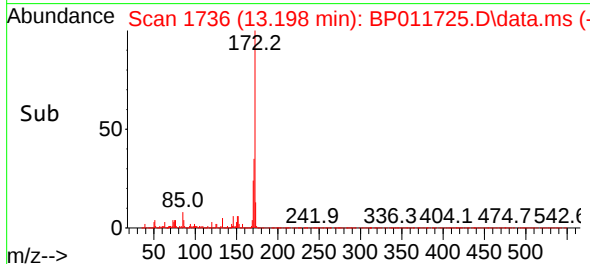
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



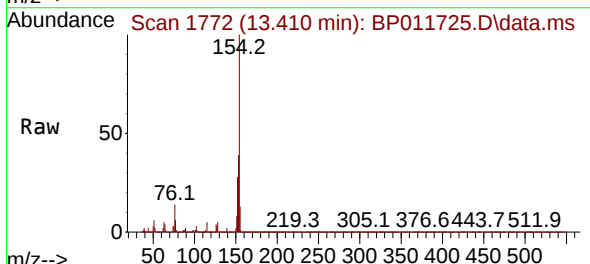
Tgt Ion:172 Resp: 5184334
Ion Ratio Lower Upper
172 100
171 35.3 27.9 41.9
170 24.1 18.2 27.2

Manual Integrations
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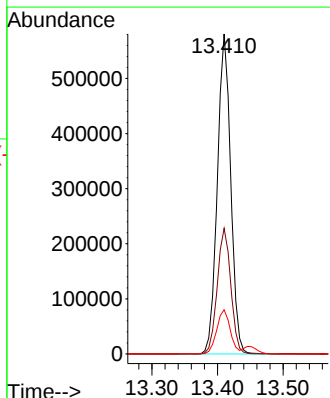
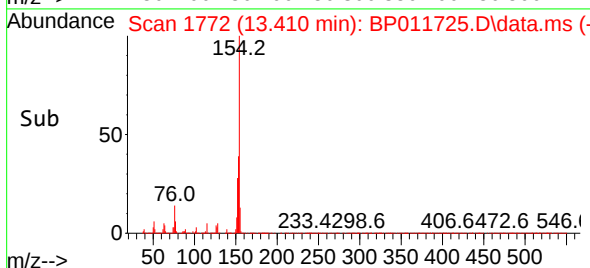
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

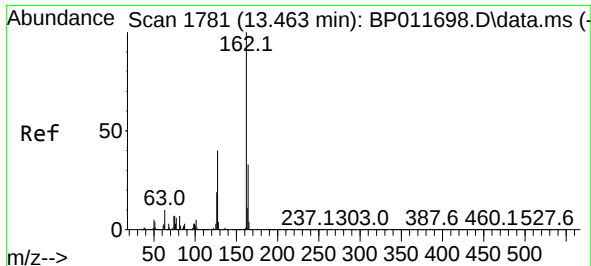


#46
1,1'-Biphenyl
Concen: 9.576 ng
RT: 13.410 min Scan# 1772
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53



Tgt Ion:154 Resp: 818029
Ion Ratio Lower Upper
154 100
153 39.2 20.1 60.1
76 13.8 0.0 33.2





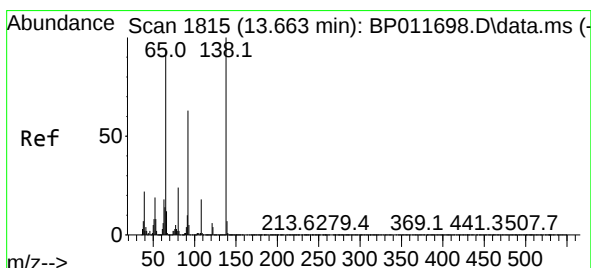
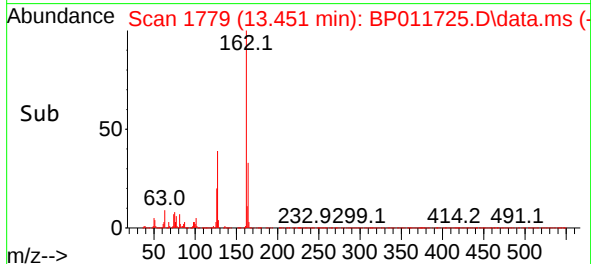
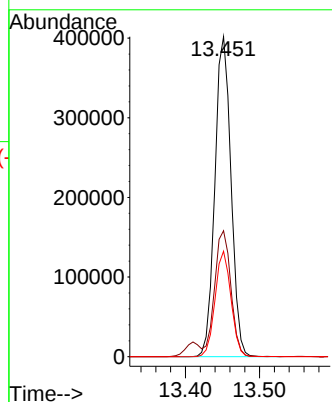
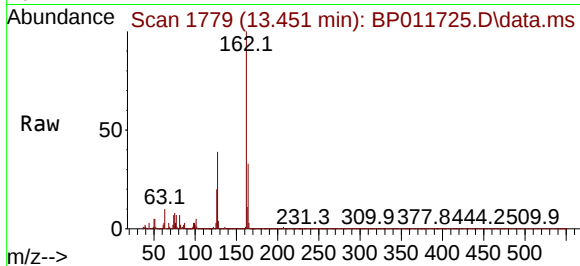
#47
2-Chloronaphthalene
Concen: 9.021 ng
RT: 13.451 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:162 Resp: 606274
Ion Ratio Lower Upper
162 100
127 39.4 32.4 48.6
164 32.9 26.3 39.5

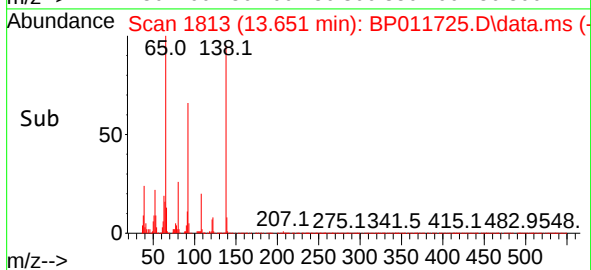
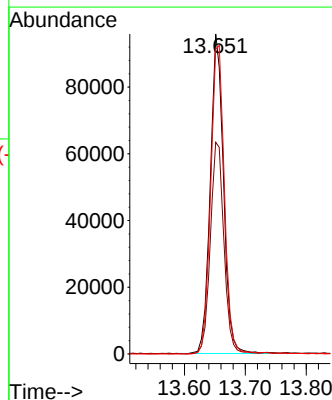
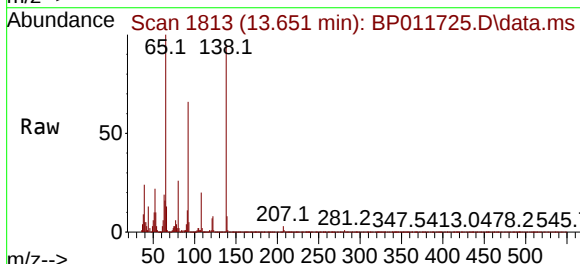
Manual Integrations
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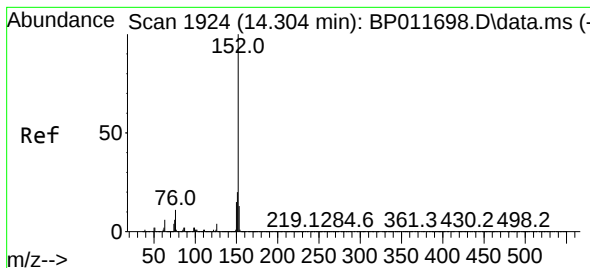
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#48
2-Nitroaniline
Concen: 7.669 ng
RT: 13.651 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Tgt Ion: 65 Resp: 144548
Ion Ratio Lower Upper
65 100
92 66.1 50.0 75.0
138 95.3 71.2 106.8





#49

Acenaphthylene

Concen: 8.783 ng

RT: 14.298 min Scan# 1924

Delta R.T. -0.006 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

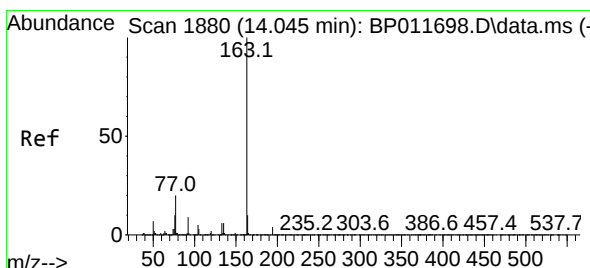
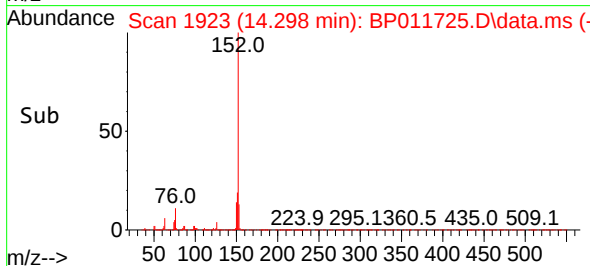
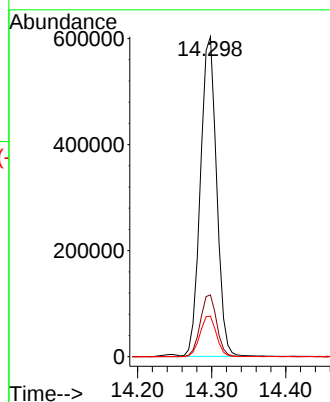
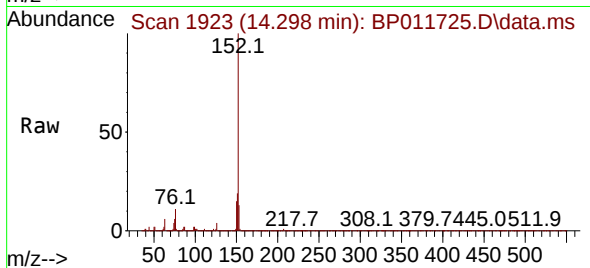
Tgt Ion:	152	Resp:	91338
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.7	23.5
153	12.6	10.4	15.6

Manual Integrations

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Reviewed By :Christian Giraldo 09/19/2022

Supervised By :Jagrut Upadhyay 09/19/2022



#50

Dimethylphthalate

Concen: 8.609 ng

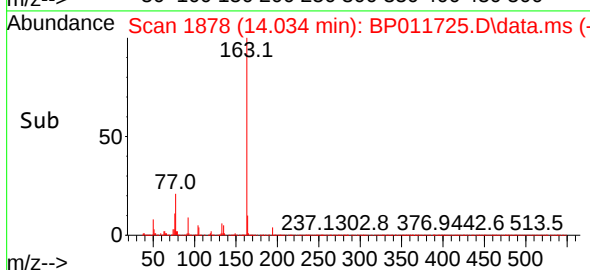
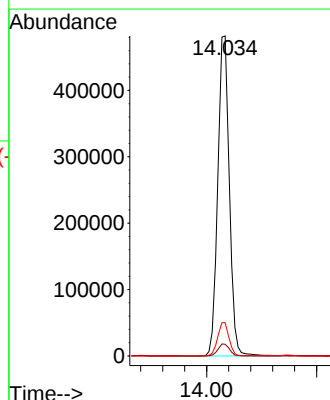
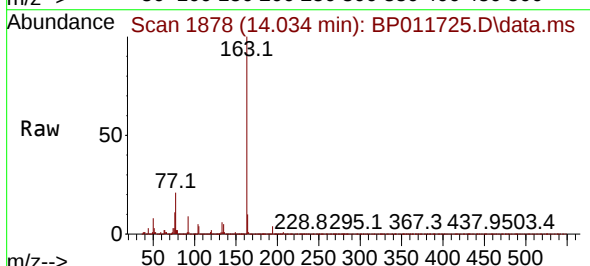
RT: 14.034 min Scan# 1878

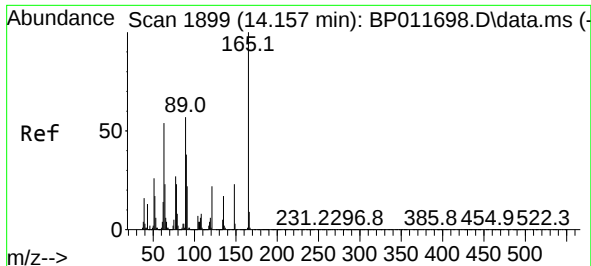
Delta R.T. -0.012 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

Tgt Ion:	163	Resp:	705267
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.1	4.7
164	10.4	8.2	12.4





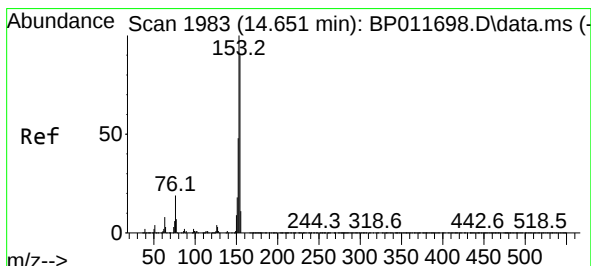
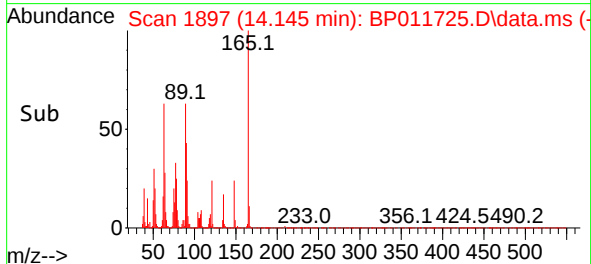
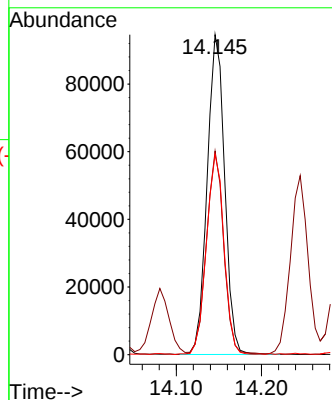
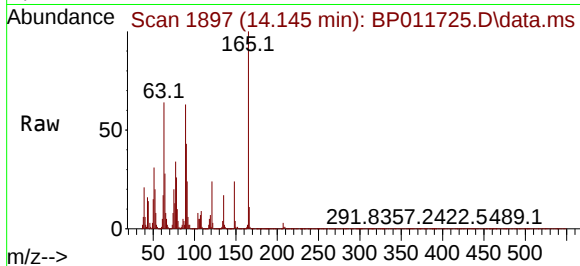
#51
2,6-Dinitrotoluene
Concen: 8.119 ng
RT: 14.145 min Scan# 1899
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:165 Resp: 13486
Ion Ratio Lower Upper
165 100
63 63.6 57.3 85.9
89 62.6 50.2 75.2

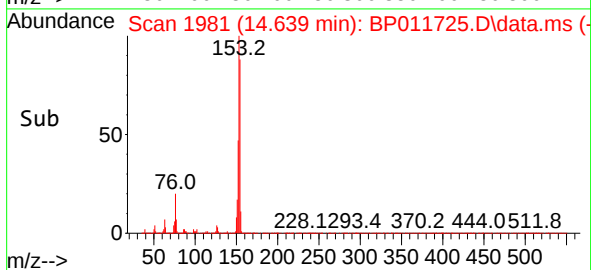
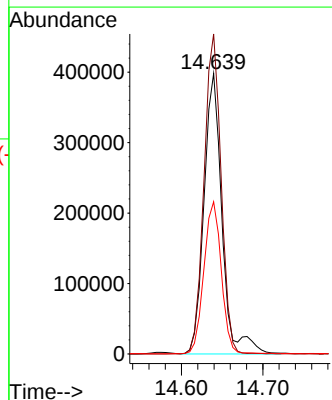
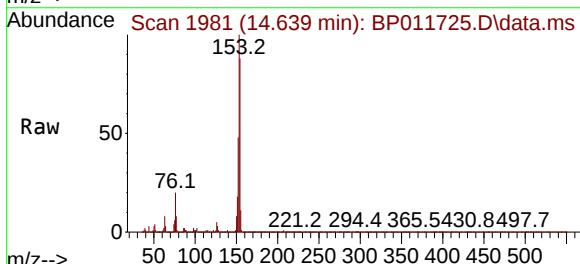
Manual Integrations
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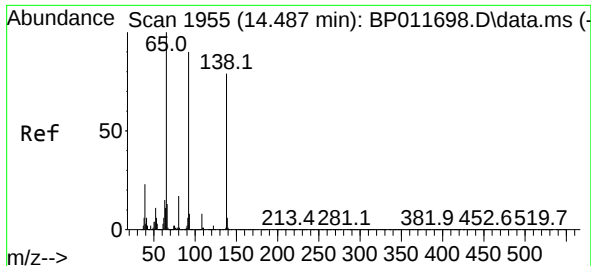
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#52
Acenaphthene
Concen: 8.849 ng m
RT: 14.639 min Scan# 1981
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Tgt Ion:154 Resp: 612160
Ion Ratio Lower Upper
154 100
153 114.1 87.4 131.2
152 54.3 41.7 62.5





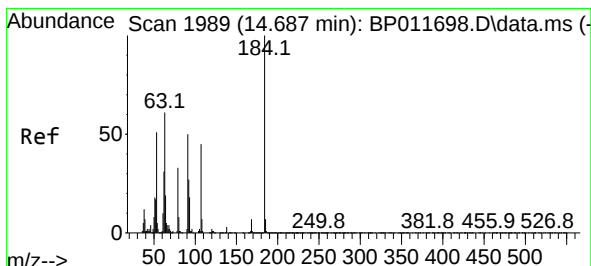
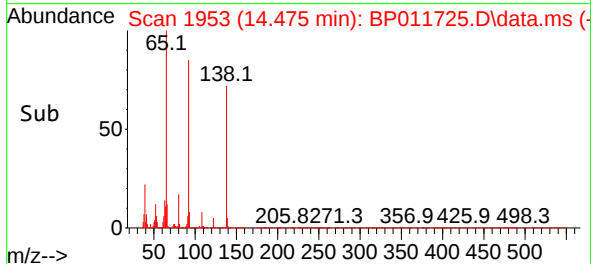
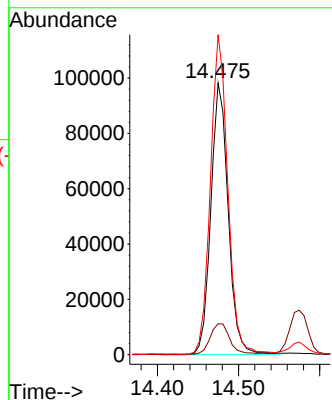
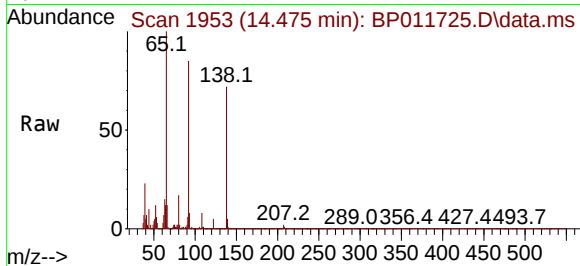
#53
3-Nitroaniline
Concen: 7.605 ng
RT: 14.475 min Scan# 1953
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2022

Tgt Ion:138 Resp: 145690
Ion Ratio Lower Upper
138 100
108 11.4 9.5 14.3
92 117.8 99.9 149.9

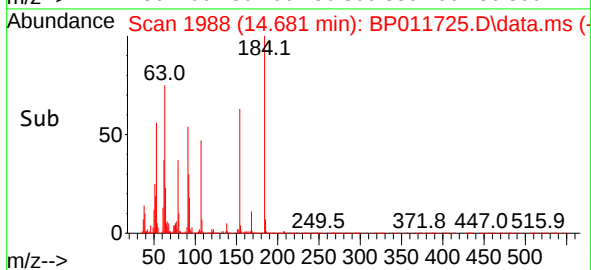
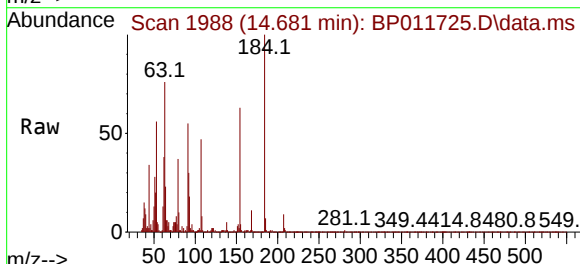
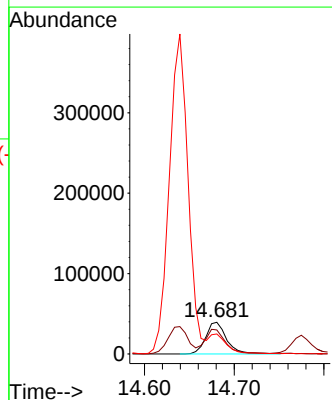
Manual Integrations
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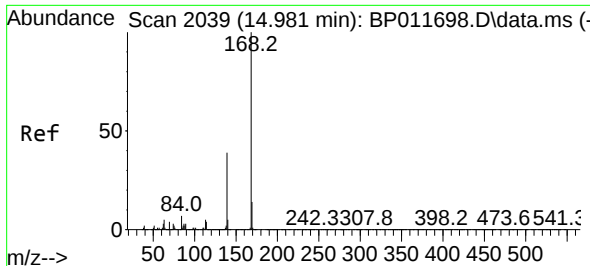
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#54
2,4-Dinitrophenol
Concen: 7.880 ng
RT: 14.681 min Scan# 1988
Delta R.T. -0.006 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Tgt Ion:184 Resp: 63766
Ion Ratio Lower Upper
184 100
63 75.9 65.4 98.2
154 63.1 55.4 83.2





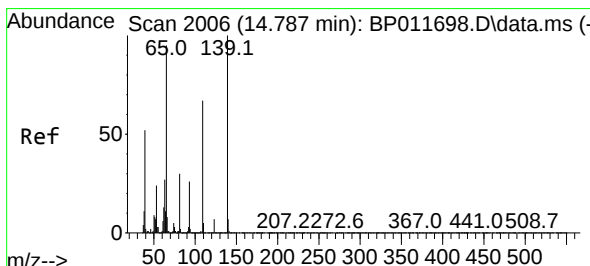
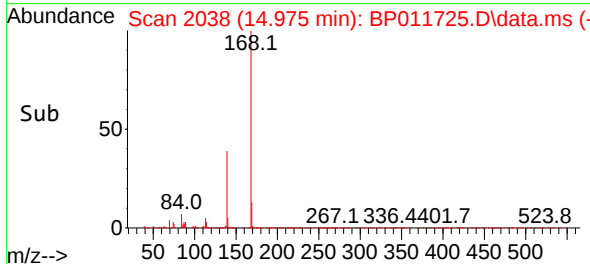
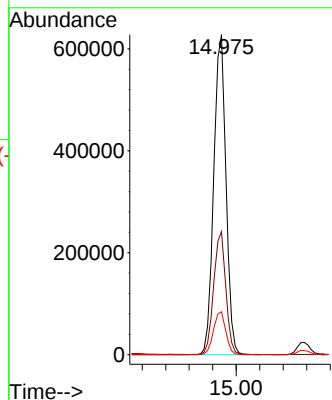
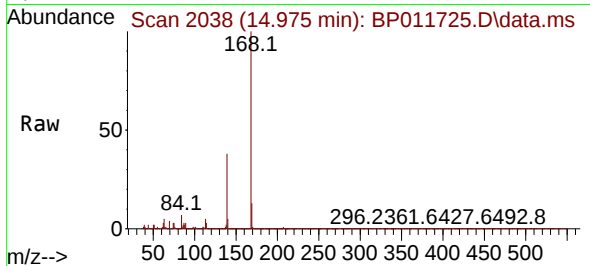
#55
Dibenzenofuran
Concen: 9.096 ng
RT: 14.975 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Tgt Ion:168 Resp: 906114
Ion Ratio Lower Upper
168 100
139 38.4 31.5 47.3
169 13.4 10.3 15.5

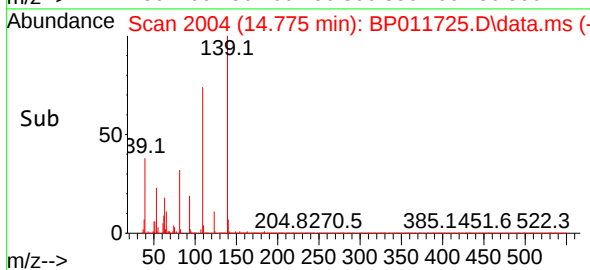
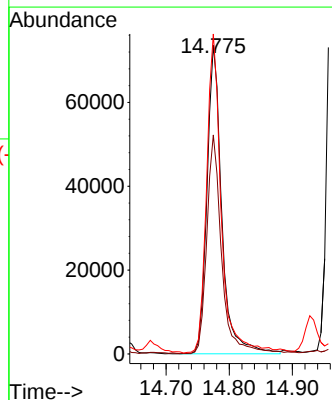
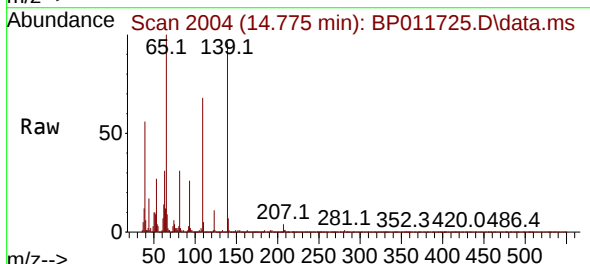
Manual Integrations
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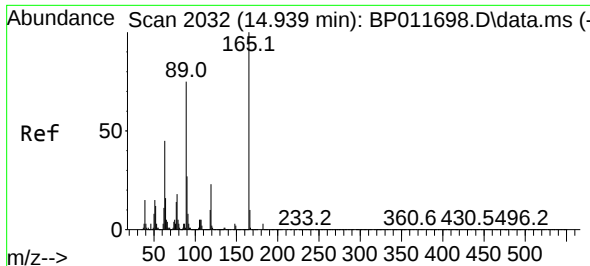
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#56
4-Nitrophenol
Concen: 7.418 ng
RT: 14.775 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

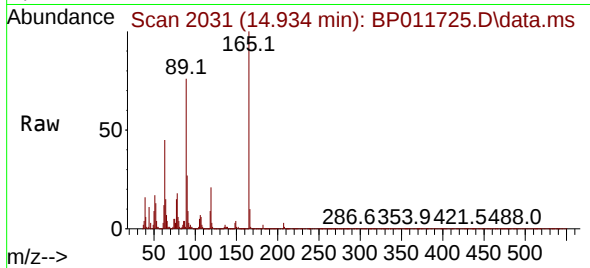
Tgt Ion:139 Resp: 119729
Ion Ratio Lower Upper
139 100
109 70.9 70.6 110.6
65 103.6 106.6 146.6#





#57
2,4-Dinitrotoluene
Concen: 7.509 ng
RT: 14.934 min Scan# 2032
Delta R.T. -0.005 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

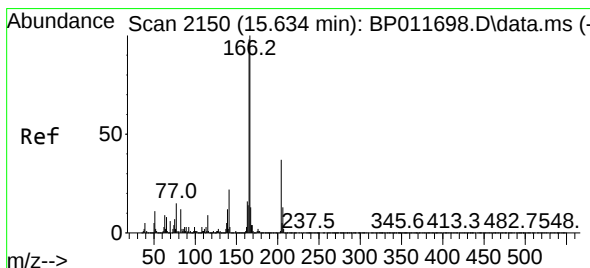
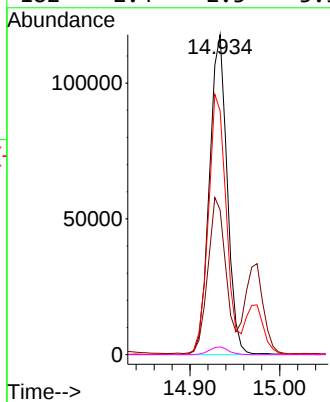
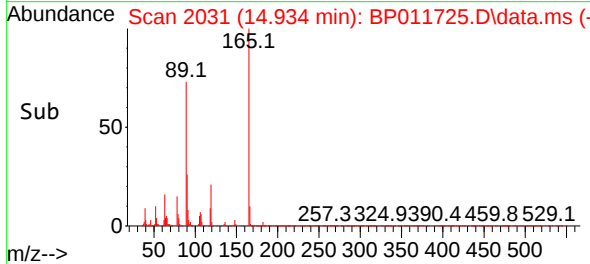
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



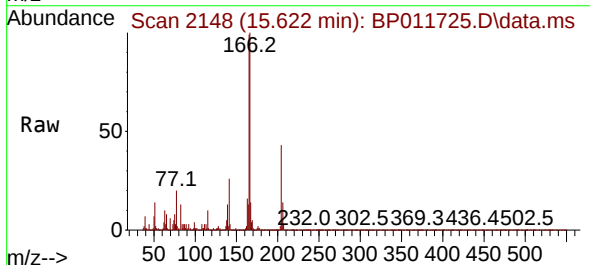
Tgt Ion:165 Resp: 161564
Ion Ratio Lower Upper
165 100
63 45.3 46.2 69.2
89 76.2 65.8 98.8
182 2.4 2.3 3.5

Manual Integrations
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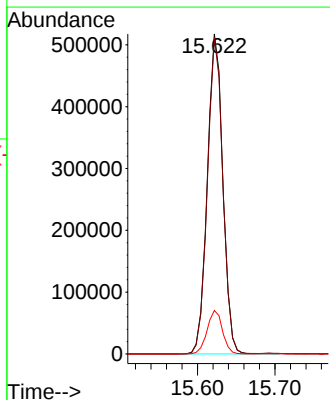
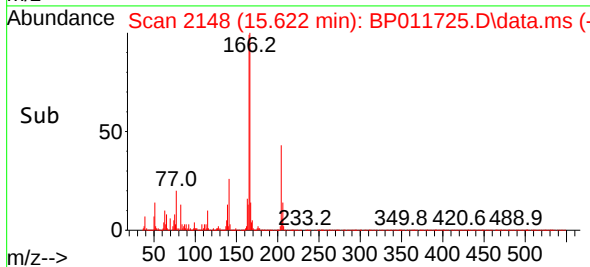
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

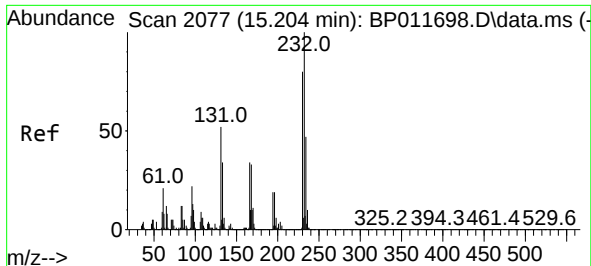


#58
Fluorene
Concen: 8.896 ng
RT: 15.622 min Scan# 2148
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53



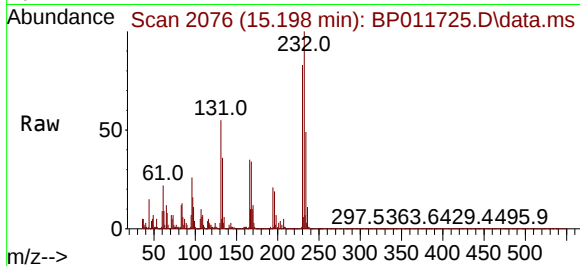
Tgt Ion:166 Resp: 718760
Ion Ratio Lower Upper
166 100
165 99.0 77.0 115.4
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.270 ng
RT: 15.198 min Scan# 2076
Delta R.T. -0.006 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

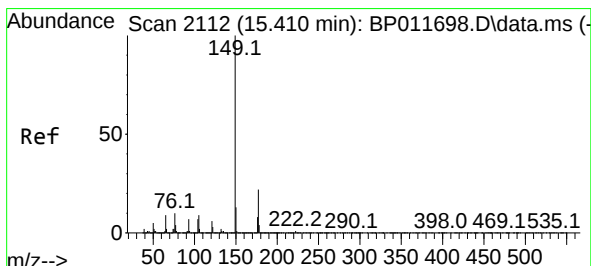
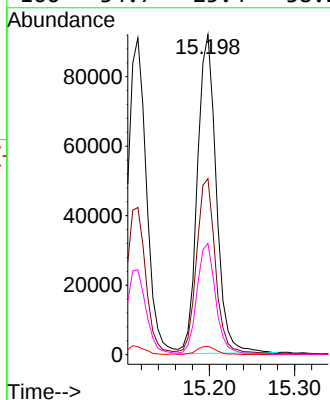
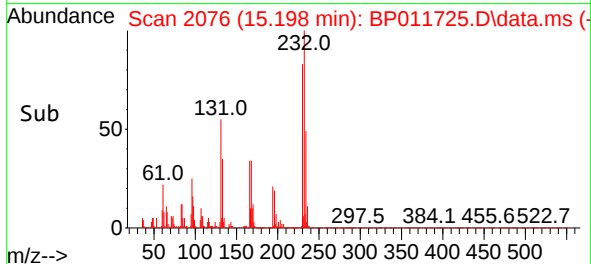
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



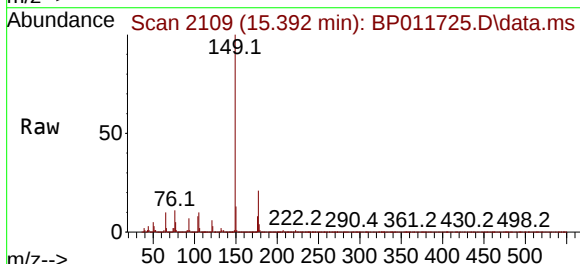
Tgt Ion:232 Resp: 140768
Ion Ratio Lower Upper
232 100
131 55.5 37.0 55.6
130 2.7 2.2 3.2
166 34.7 25.4 38.2

Manual Integrations
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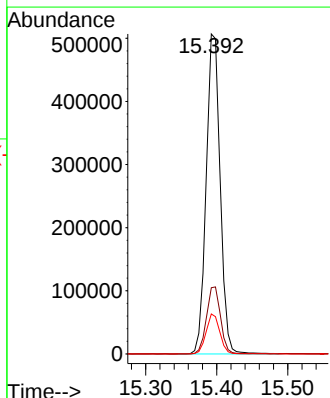
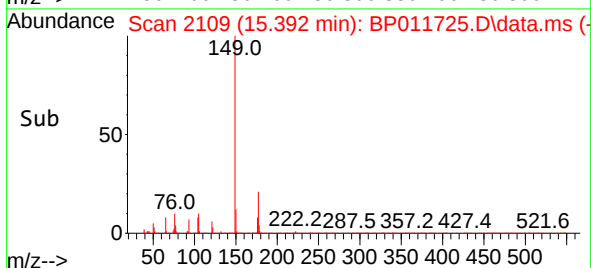
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

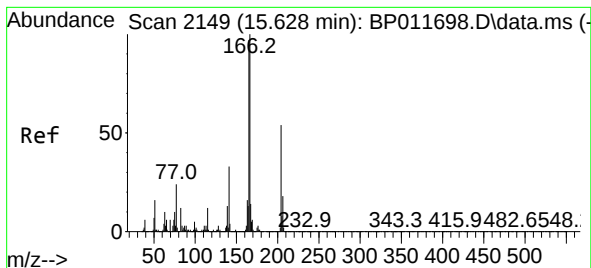


#60
Diethylphthalate
Concen: 8.524 ng
RT: 15.392 min Scan# 2109
Delta R.T. -0.018 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53



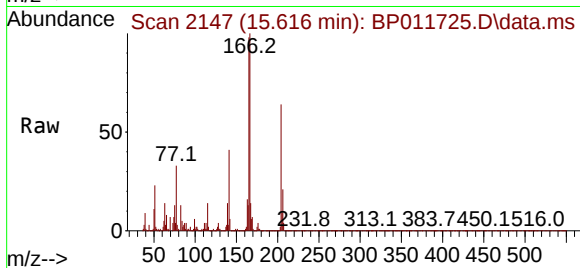
Tgt Ion:149 Resp: 695154
Ion Ratio Lower Upper
149 100
177 20.7 17.8 26.8
150 12.5 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 8.773 ng
RT: 15.616 min Scan# 2147
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

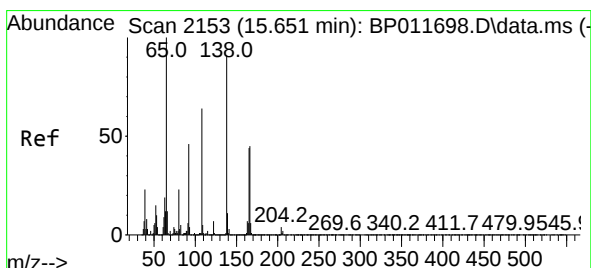
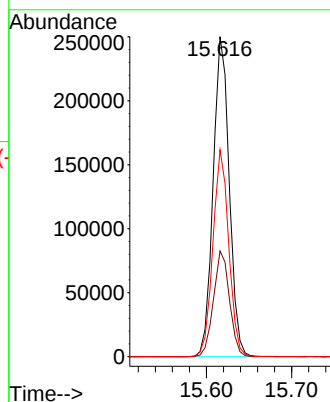
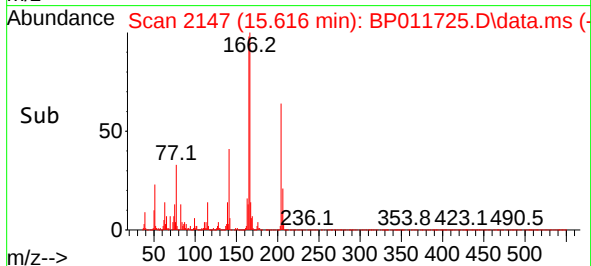
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2022



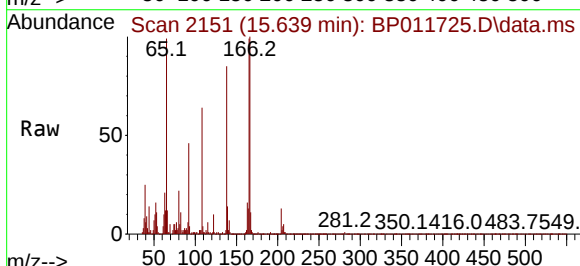
Tgt Ion: 204 Resp: 32767
Ion Ratio Lower Upper
204 100
206 33.1 26.3 39.5
141 64.7 51.1 76.7

Manual Integrations
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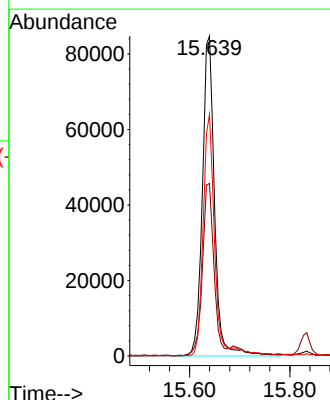
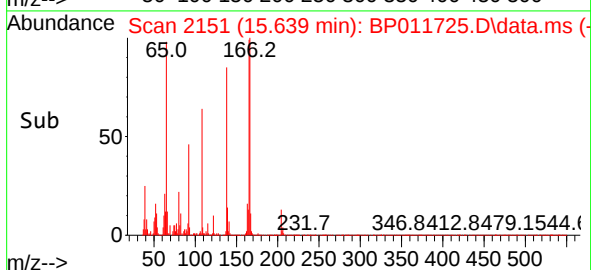
Reviewed By : Christian Giraldo 09/19/2022
Supervised By : Jagrut Upadhyay 09/19/2022

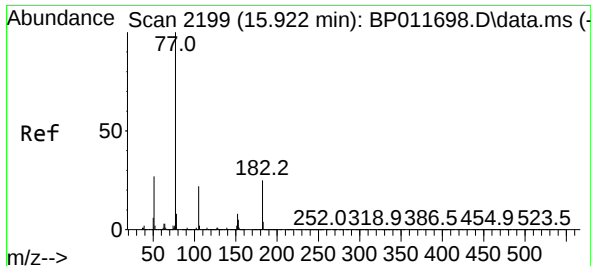


#62
4-Nitroaniline
Concen: 7.410 ng
RT: 15.639 min Scan# 2151
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53



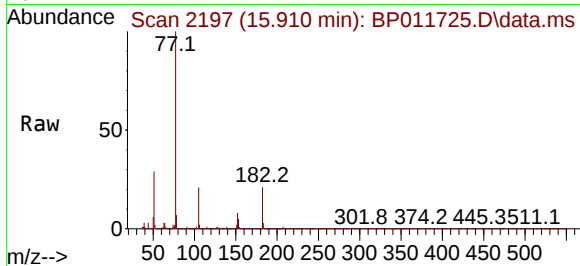
Tgt Ion: 138 Resp: 142676
Ion Ratio Lower Upper
138 100
92 53.9 38.0 78.0
108 75.4 77.6 117.6





#63
Azobenzene
Concen: 8.720 ng
RT: 15.910 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

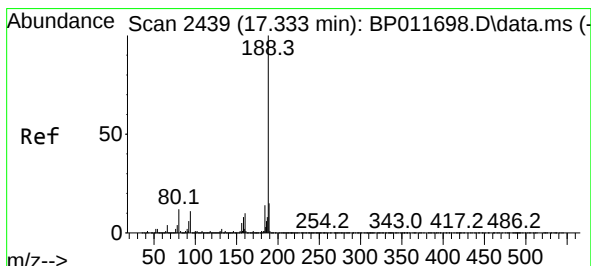
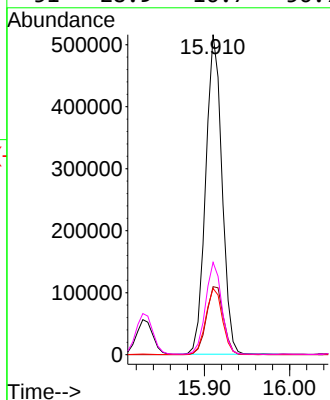
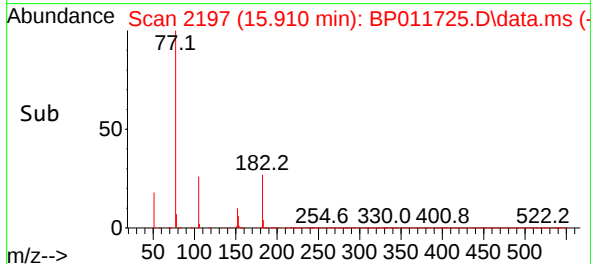
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion: 77 Resp: 68346
Ion Ratio Lower Upper
77 100
182 21.2 3.0 43.0
105 20.7 0.0 38.6
51 28.9 16.7 56.7

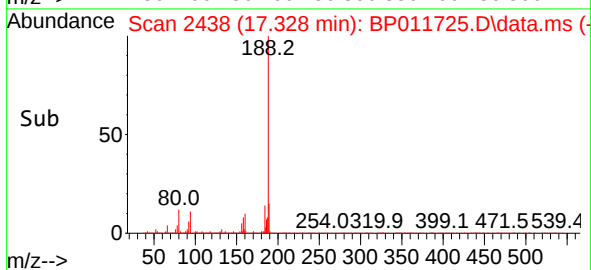
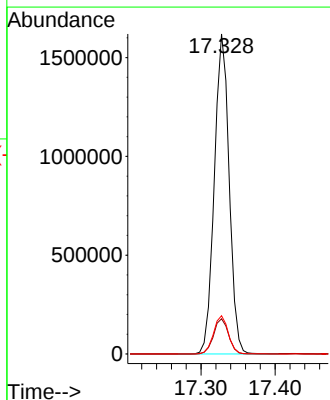
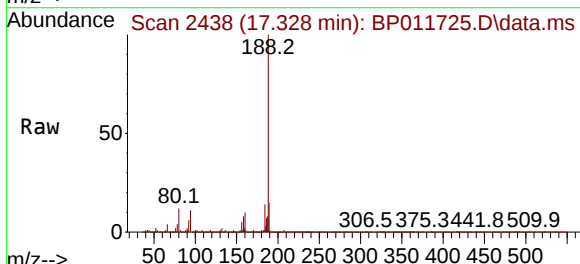
Manual Integrations
APPROVED

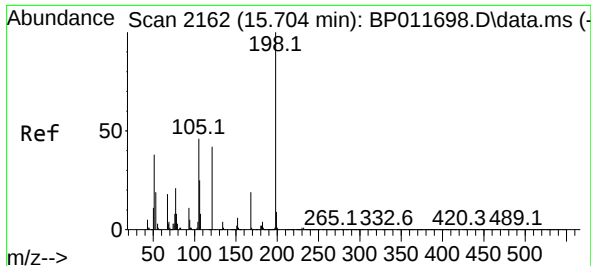
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.328 min Scan# 2438
Delta R.T. -0.005 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Tgt Ion:188 Resp: 2247555
Ion Ratio Lower Upper
188 100
94 11.0 6.6 10.0#
80 12.0 8.0 12.0





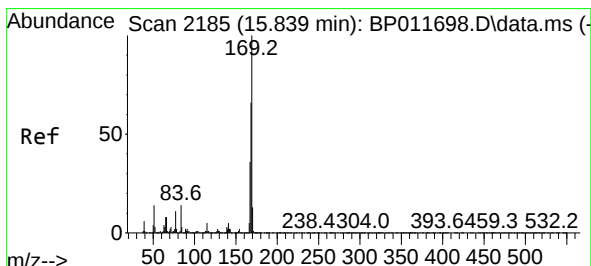
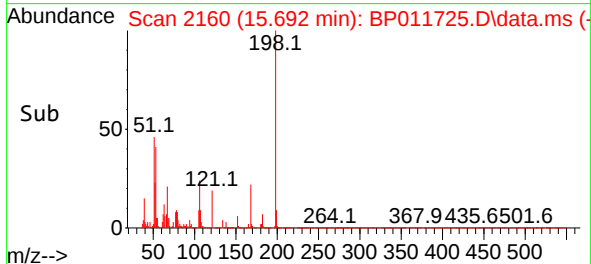
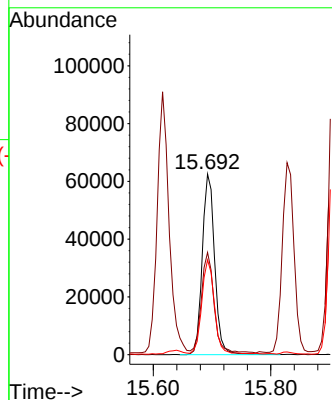
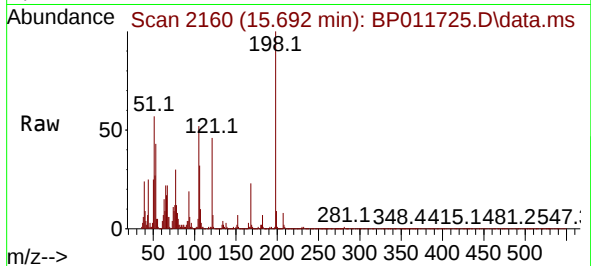
#65
4,6-Dinitro-2-methylphenol
Concen: 8.314 ng
RT: 15.692 min Scan# 2160
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2022

Tgt Ion:198 Resp: 91388
Ion Ratio Lower Upper
198 100
51 56.6 41.2 81.2
105 52.4 25.3 65.3

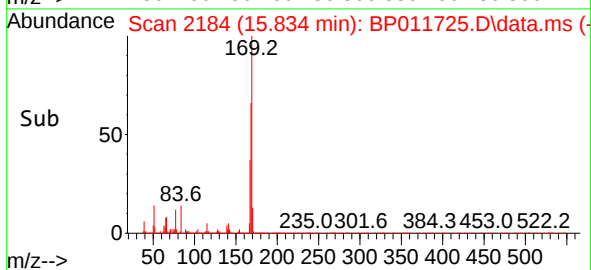
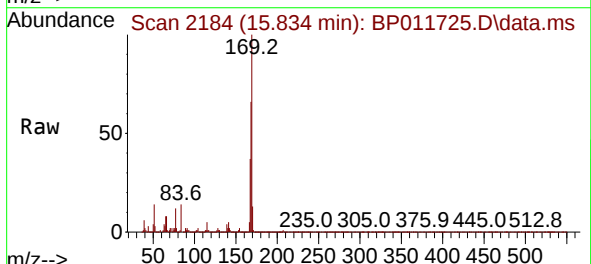
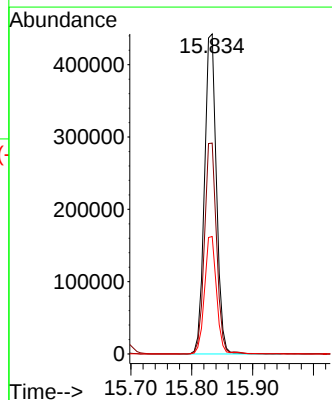
Manual Integrations
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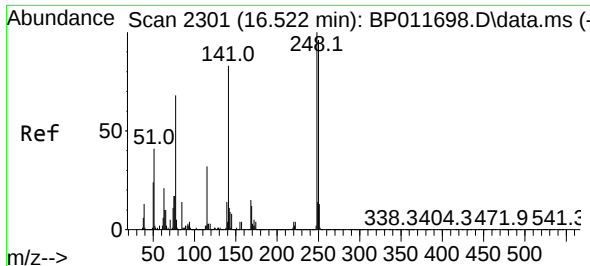
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#66
n-Nitrosodiphenylamine
Concen: 9.014 ng
RT: 15.834 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

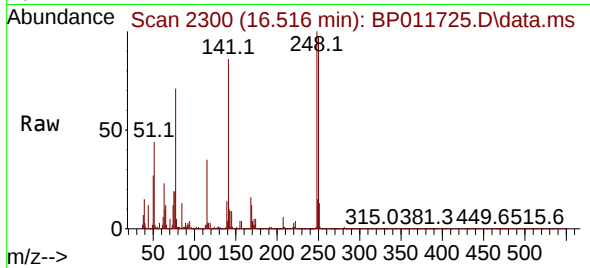
Tgt Ion:169 Resp: 602786
Ion Ratio Lower Upper
169 100
168 65.9 51.8 77.8
167 36.7 28.3 42.5





#67
4-Bromophenyl-phenylether
Concen: 8.225 ng
RT: 16.516 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

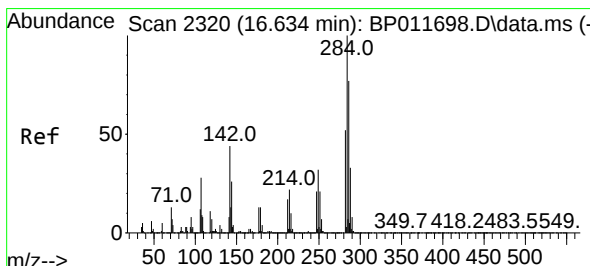
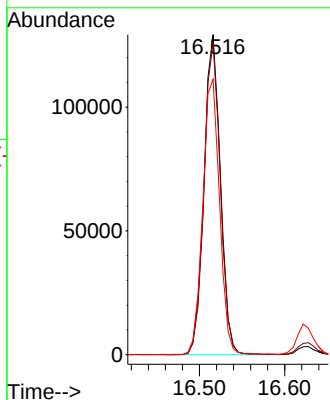
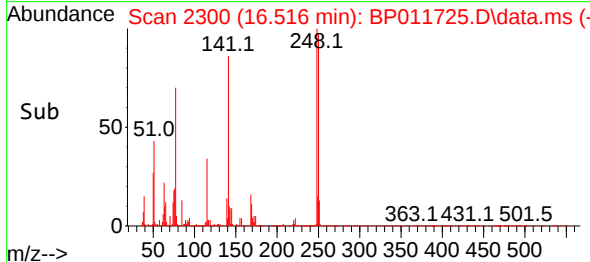
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion:248 Resp: 173040
Ion Ratio Lower Upper
248 100
250 97.4 77.7 116.5
141 86.1 62.0 93.0

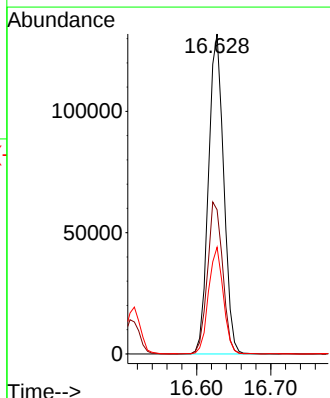
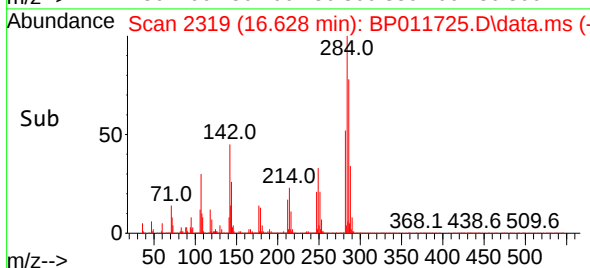
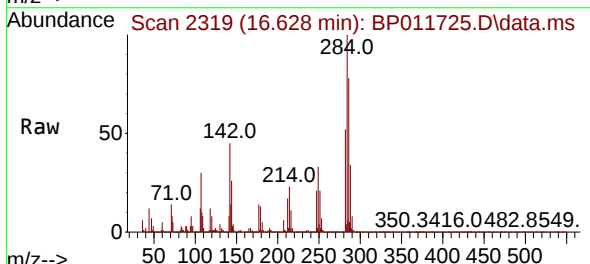
Manual Integrations
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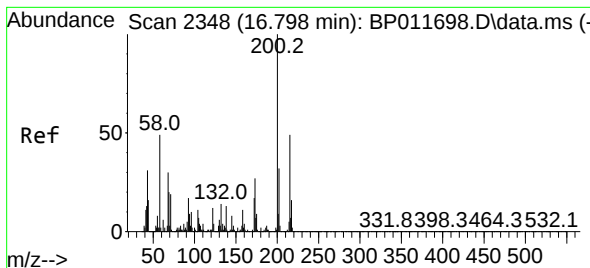
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#68
Hexachlorobenzene
Concen: 8.289 ng
RT: 16.628 min Scan# 2319
Delta R.T. -0.006 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Tgt Ion:284 Resp: 187826
Ion Ratio Lower Upper
284 100
142 45.1 30.8 46.2
249 33.4 26.8 40.2





#69

Atrazine

Concen: 8.633 ng

RT: 16.786 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:200 Resp: 176220

Ion Ratio Lower Upper

200 100

173 27.9 5.3 45.3

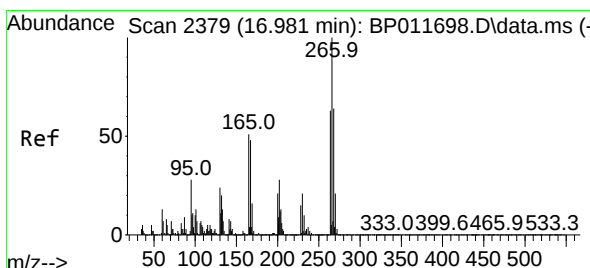
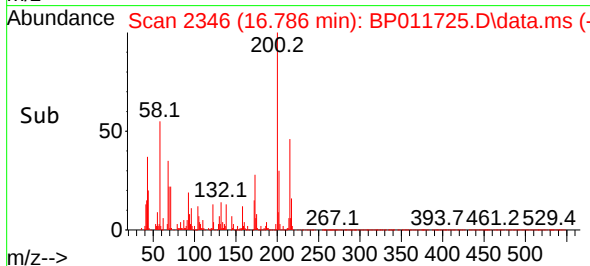
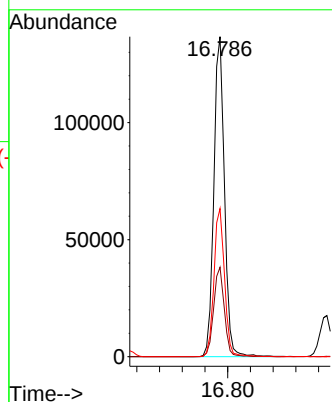
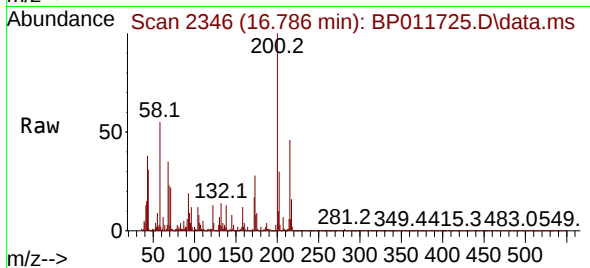
215 46.3 29.4 69.4

Manual Integrations

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#70

Pentachlorophenol

Concen: 8.399 ng

RT: 16.975 min Scan# 2378

Delta R.T. -0.006 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

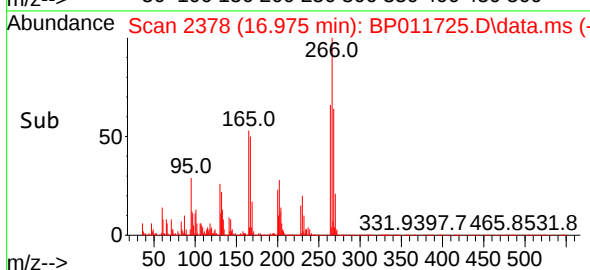
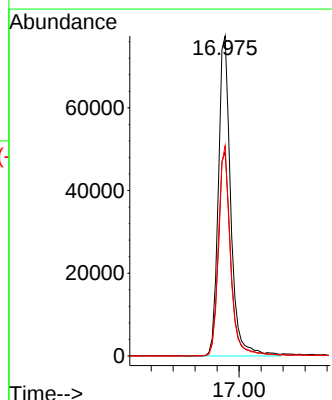
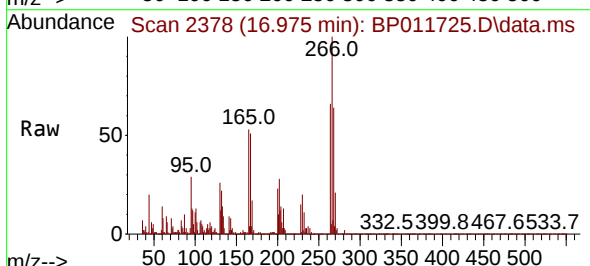
Tgt Ion:266 Resp: 120737

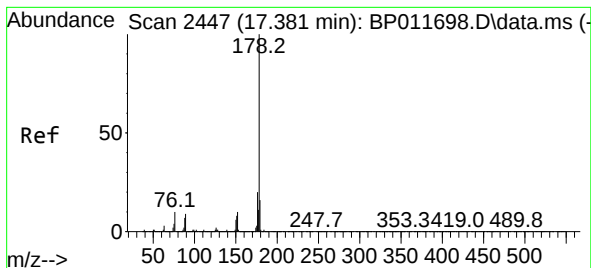
Ion Ratio Lower Upper

266 100

268 63.8 50.5 75.7

264 65.7 50.4 75.6





#71

Phenanthrene

Concen: 8.884 ng

RT: 17.369 min Scan# 2445

Delta R.T. -0.012 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:178 Resp: 108653

Ion Ratio Lower Upper

178 100

176 19.6 14.7 22.1

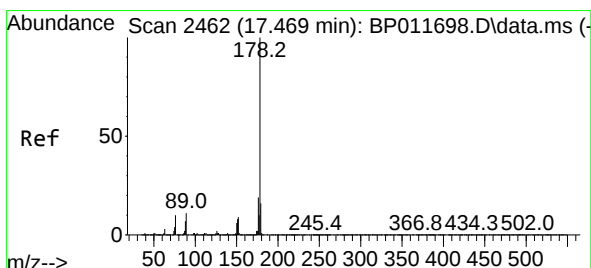
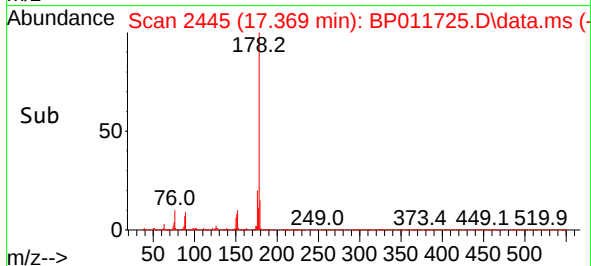
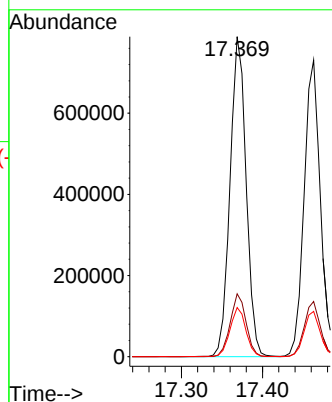
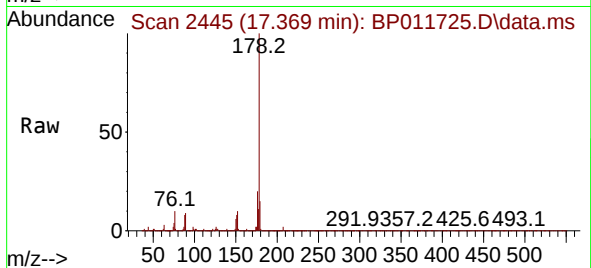
179 15.3 12.2 18.2

Manual Integrations

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#72

Anthracene

Concen: 8.908 ng

RT: 17.463 min Scan# 2461

Delta R.T. -0.006 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

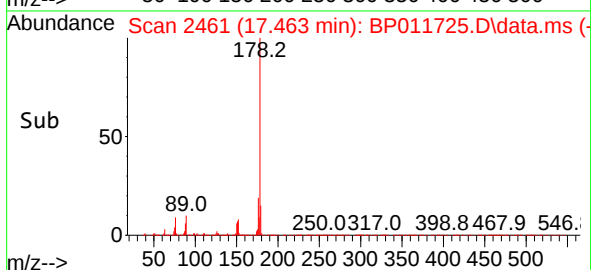
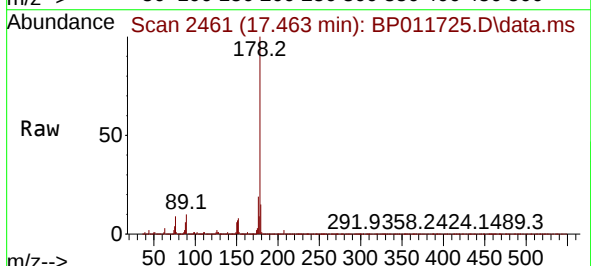
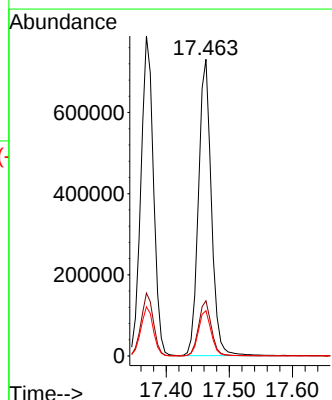
Tgt Ion:178 Resp: 1030363

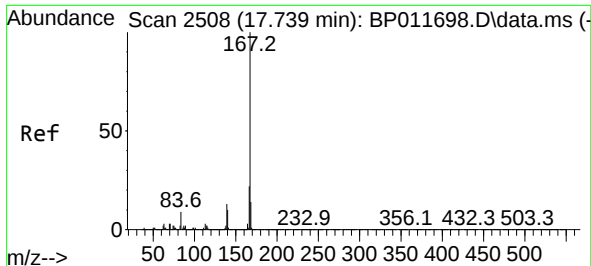
Ion Ratio Lower Upper

178 100

176 18.6 14.5 21.7

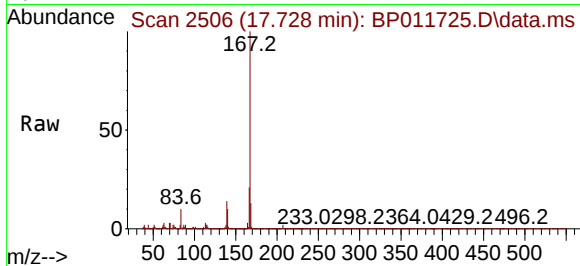
179 15.3 12.2 18.4





#73
 Carbazole
 Concen: 8.944 ng
 RT: 17.728 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP011725.D
 Acq: 16 Sep 2022 10:53

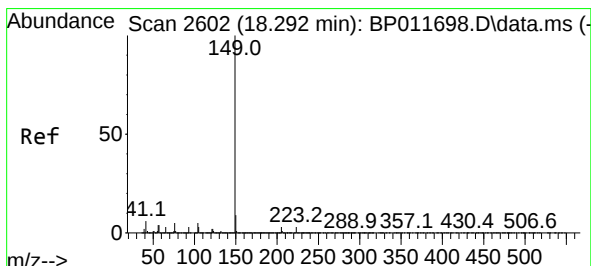
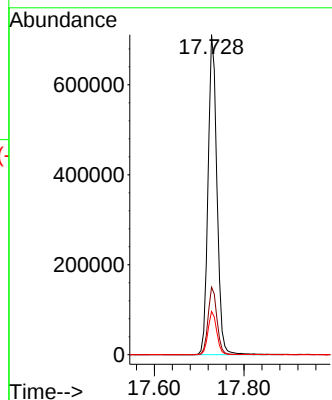
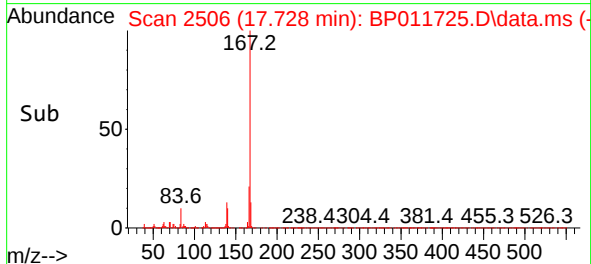
Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion:167 Resp: 97593
 Ion Ratio Lower Upper
 167 100
 166 21.1 16.9 25.3
 139 13.5 10.6 15.8

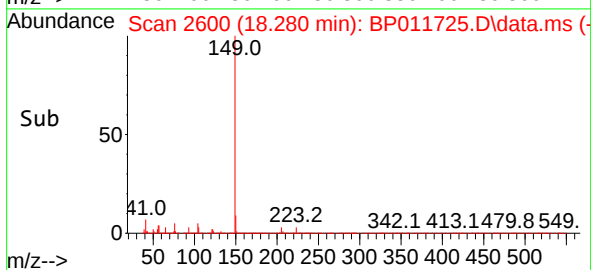
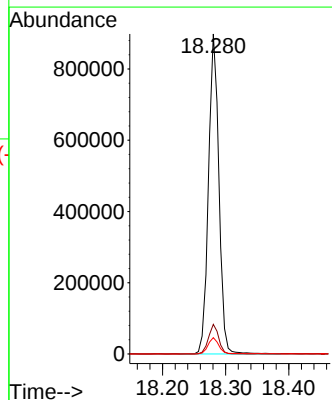
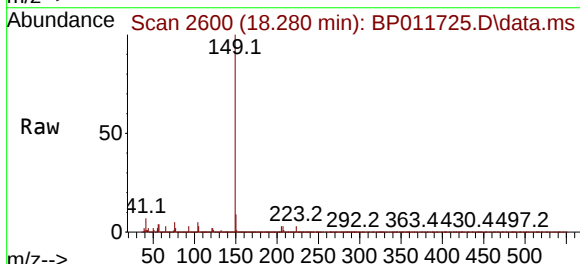
Manual Integrations
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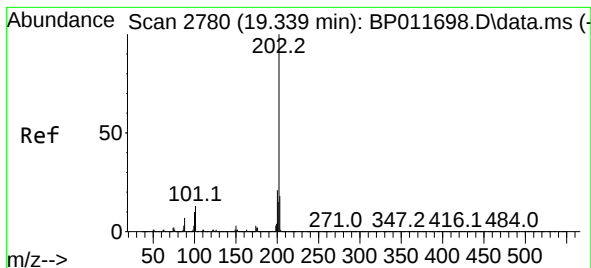
Reviewed By :Christian Giraldo 09/19/2022
 Supervised By :Jagrut Upadhyay 09/19/2022



#74
 Di-n-butylphthalate
 Concen: 7.845 ng
 RT: 18.280 min Scan# 2600
 Delta R.T. -0.012 min
 Lab File: BP011725.D
 Acq: 16 Sep 2022 10:53

Tgt Ion:149 Resp: 1031743
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.5 11.3
 104 5.1 4.8 7.2





#75

Fluoranthene

Concen: 8.362 ng

RT: 19.333 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:202 Resp: 110289

Ion Ratio Lower Upper

202 100

101 13.1 0.0 29.6

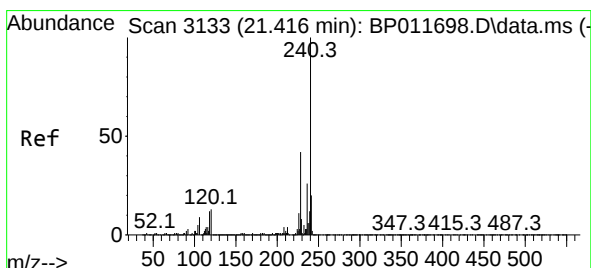
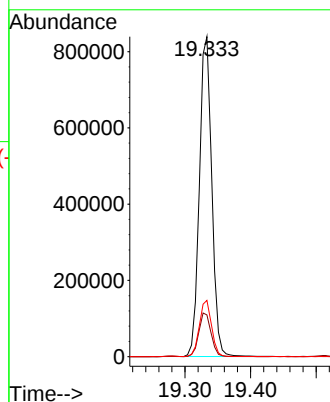
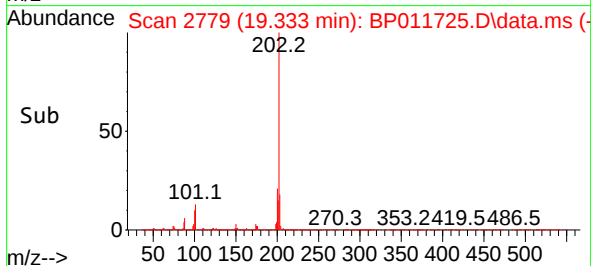
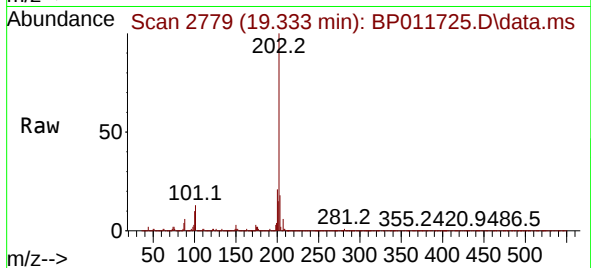
203 17.6 0.0 36.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/19/2022

Supervised By :Jagrut Upadhyay 09/19/2022



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.410 min Scan# 3132

Delta R.T. -0.006 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

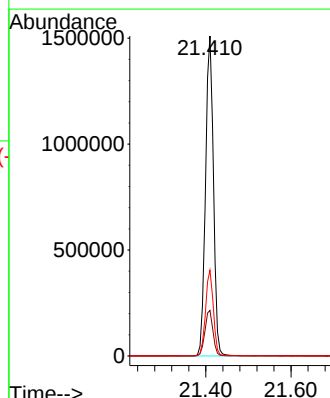
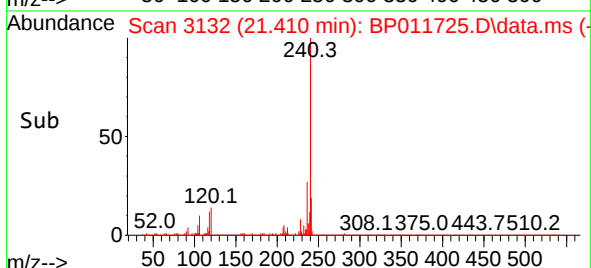
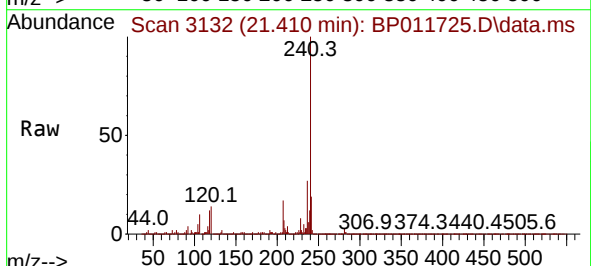
Tgt Ion:240 Resp: 1945436

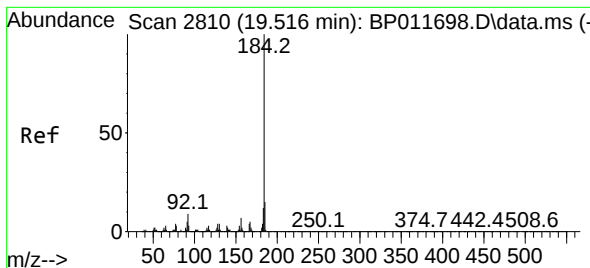
Ion Ratio Lower Upper

240 100

120 14.2 8.6 12.8#

236 26.8 19.8 29.6





#77

Benzidine

Concen: 10.476 ng

RT: 19.510 min Scan# 2810

Delta R.T. -0.006 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:184 Resp: 484680

Ion Ratio Lower Upper

184 100

185 14.4 10.7 16.1

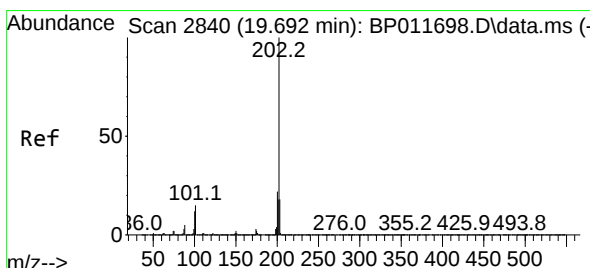
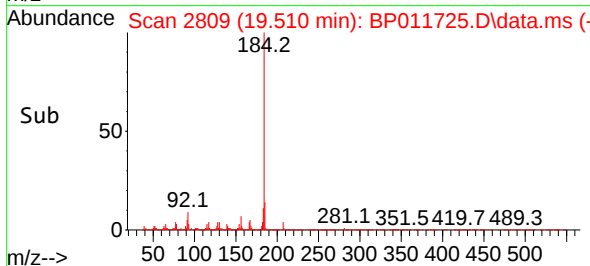
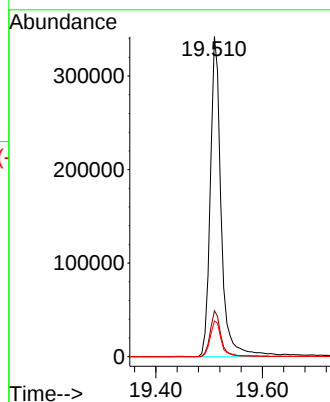
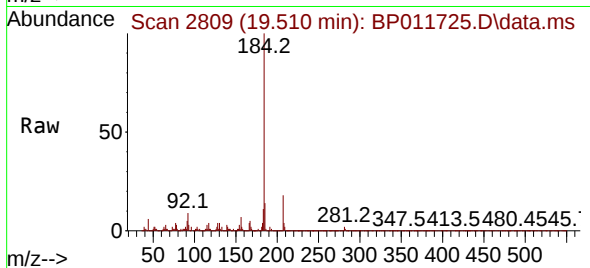
183 11.2 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/19/2022

Supervised By :Jagrut Upadhyay 09/19/2022



#78

Pyrene

Concen: 8.886 ng

RT: 19.686 min Scan# 2839

Delta R.T. -0.006 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

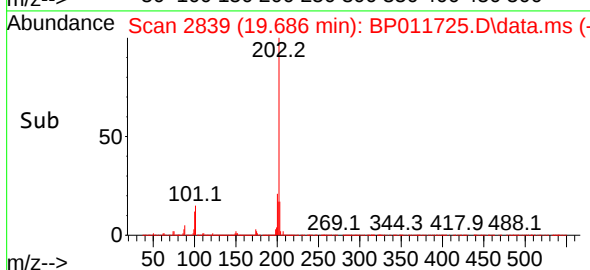
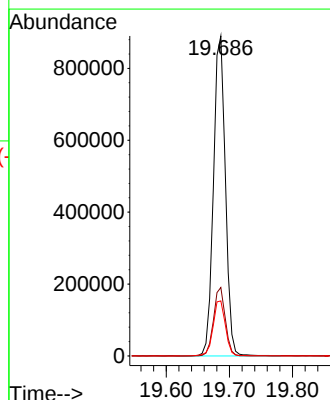
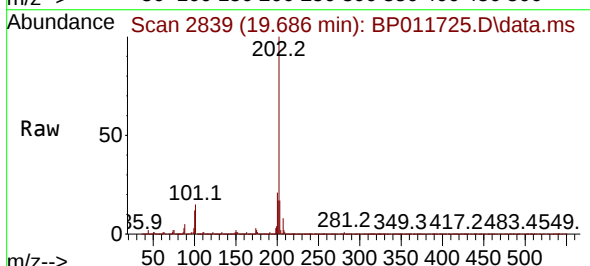
Tgt Ion:202 Resp: 1165904

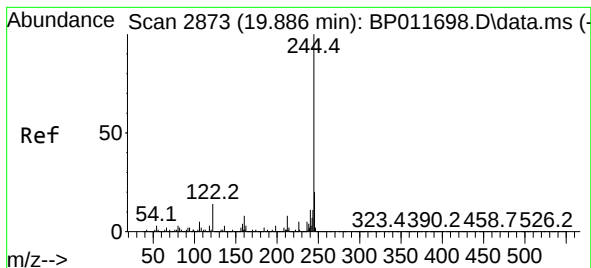
Ion Ratio Lower Upper

202 100

200 21.4 16.3 24.5

203 17.2 14.2 21.4





#79

Terphenyl-d14

Concen: 71.543 ng

RT: 19.880 min Scan# 2873

Delta R.T. -0.006 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:244 Resp: 6400440

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

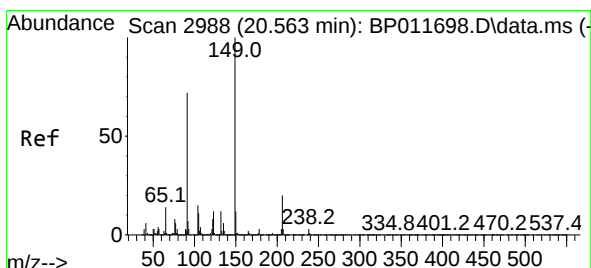
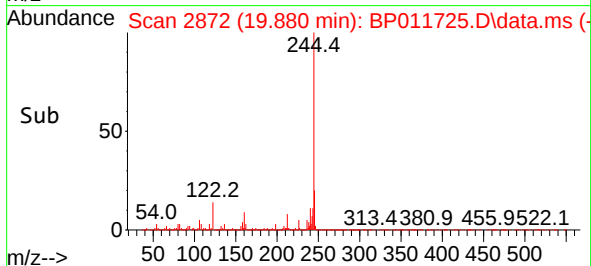
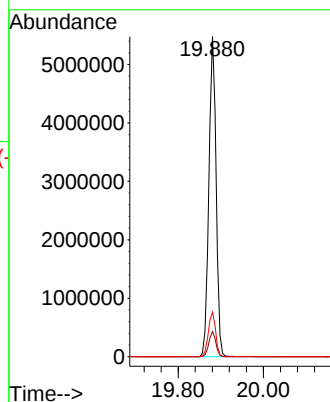
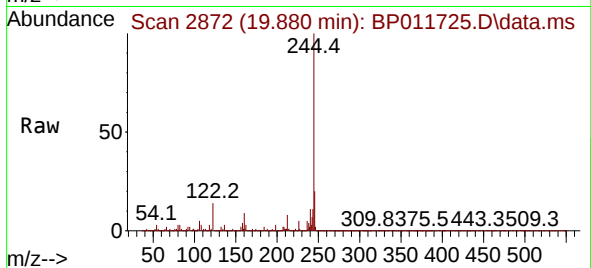
122 14.0 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/19/2022

Supervised By :Jagrut Upadhyay 09/19/2022



#80

Butylbenzylphthalate

Concen: 7.284 ng

RT: 20.557 min Scan# 2987

Delta R.T. -0.006 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

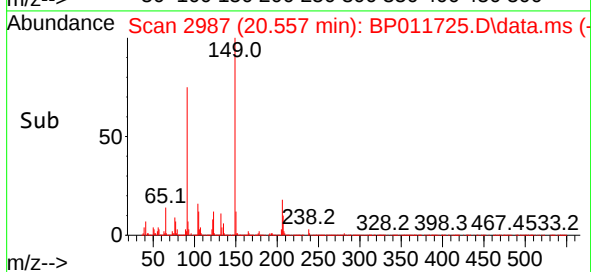
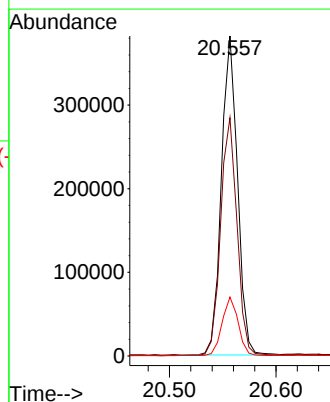
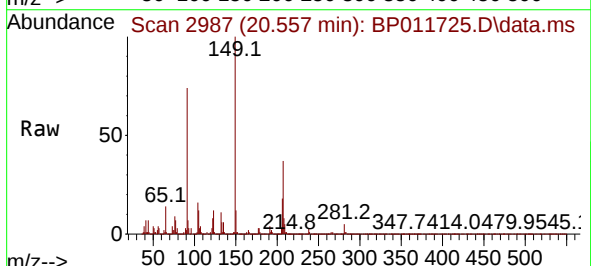
Tgt Ion:149 Resp: 400492

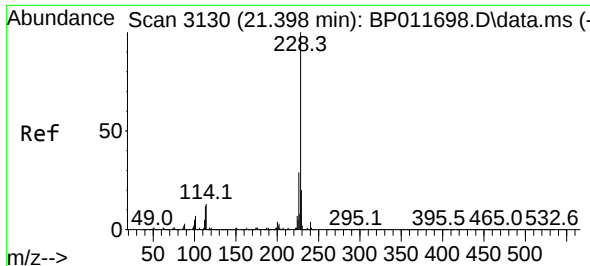
Ion Ratio Lower Upper

149 100

91 74.5 62.5 93.7

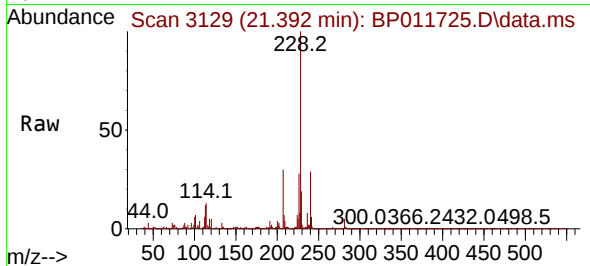
206 18.4 17.0 25.4





#81
Benzo(a)anthracene
Concen: 8.701 ng
RT: 21.392 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

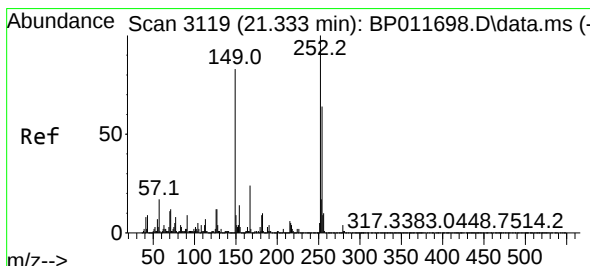
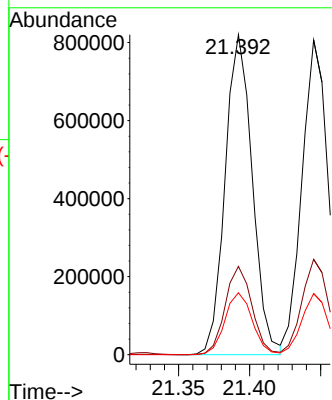
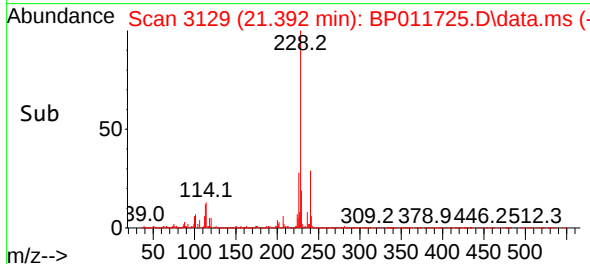
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:228 Resp: 109099
Ion Ratio Lower Upper
228 100
226 27.6 20.8 31.2
229 19.3 15.2 22.8

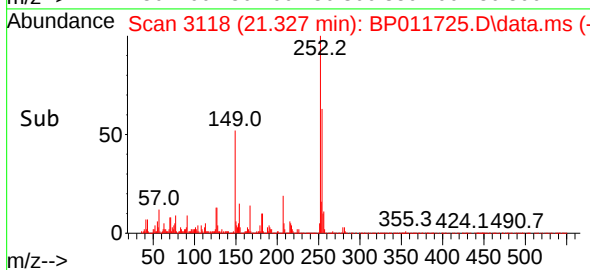
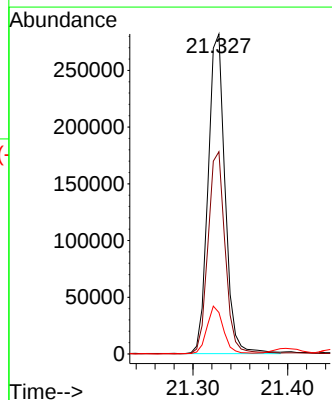
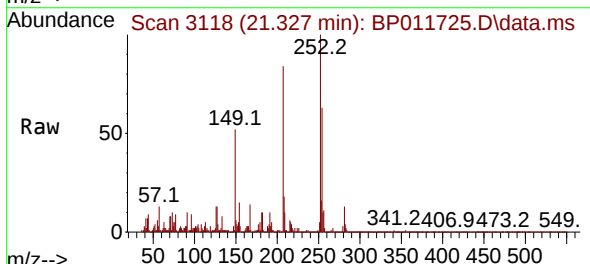
Manual Integrations
APPROVED

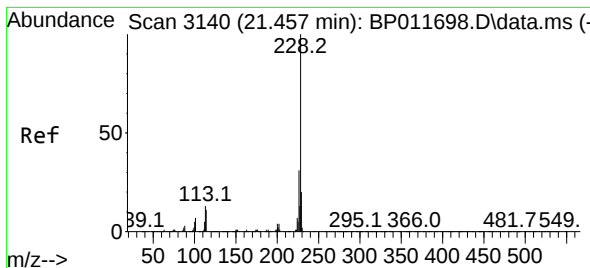
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#82
3,3'-Dichlorobenzidine
Concen: 9.181 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Tgt Ion:252 Resp: 349661
Ion Ratio Lower Upper
252 100
254 63.2 51.1 76.7
126 12.9 8.4 12.6





#83

Chrysene

Concen: 8.653 ng

RT: 21.445 min Scan# 3140

Delta R.T. -0.012 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:228 Resp: 1036658

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.2

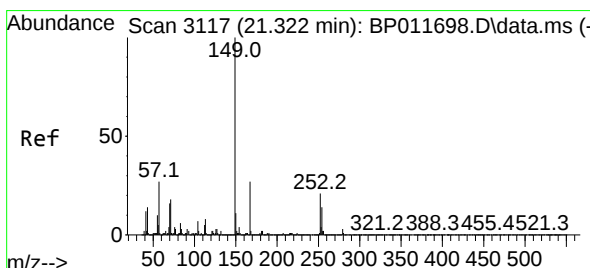
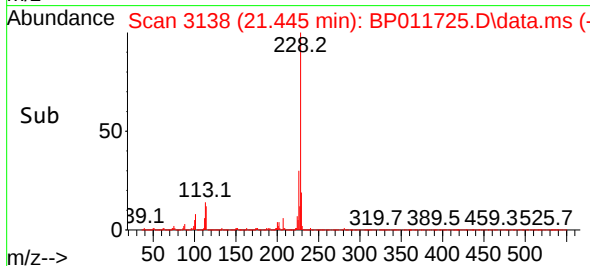
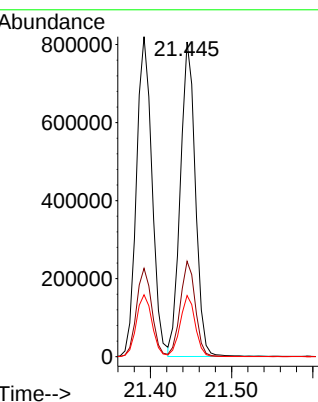
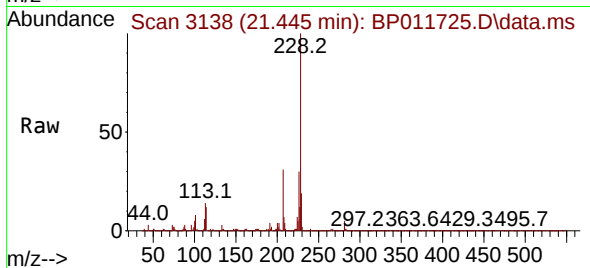
229 19.4 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/19/2022

Supervised By :Jagrut Upadhyay 09/19/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.484 ng

RT: 21.316 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BP011725.D

Acq: 16 Sep 2022 10:53

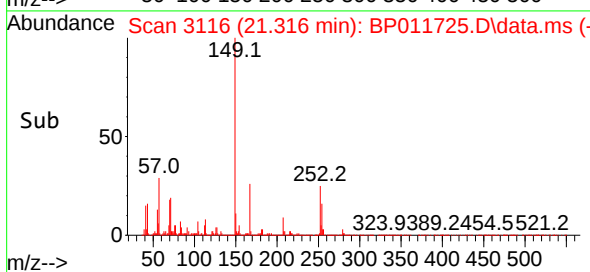
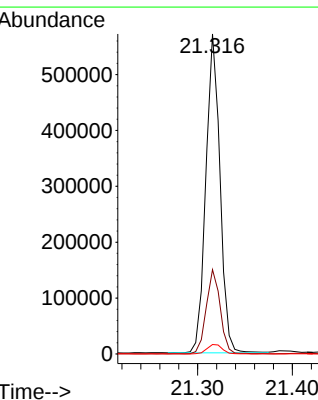
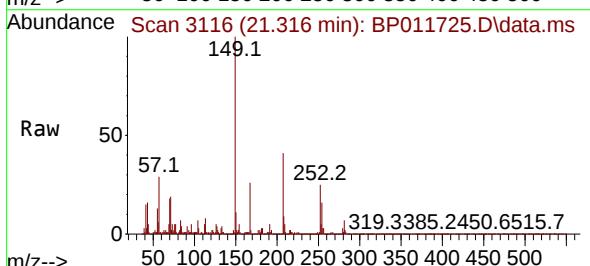
Tgt Ion:149 Resp: 591967

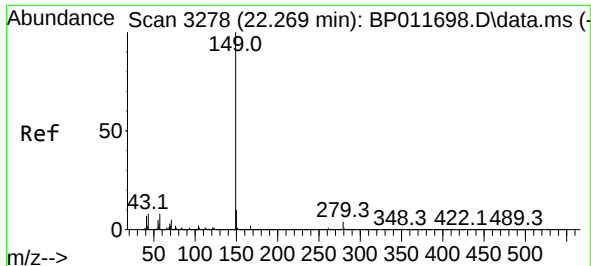
Ion Ratio Lower Upper

149 100

167 26.4 21.8 32.8

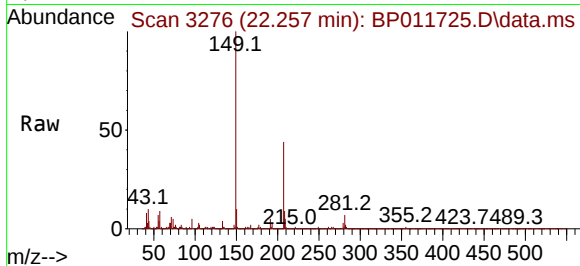
279 3.0 3.7 5.5#





#85
Di-n-octyl phthalate
Concen: 6.691 ng
RT: 22.257 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

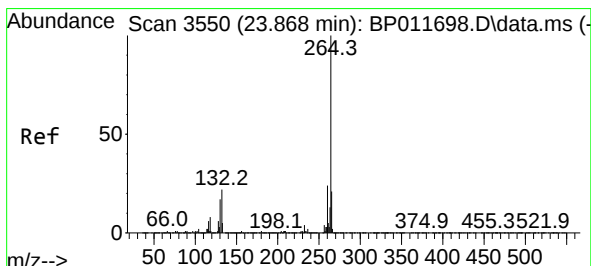
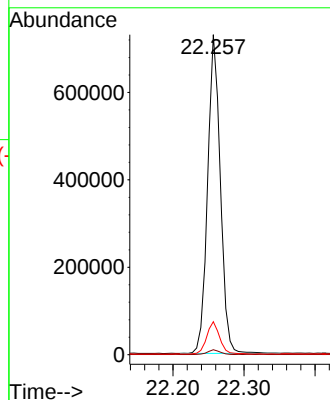
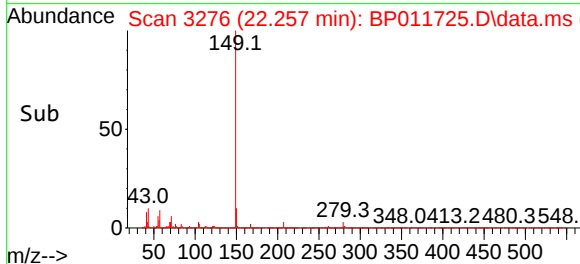
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:149 Resp: 90823
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 10.4 10.0 15.0

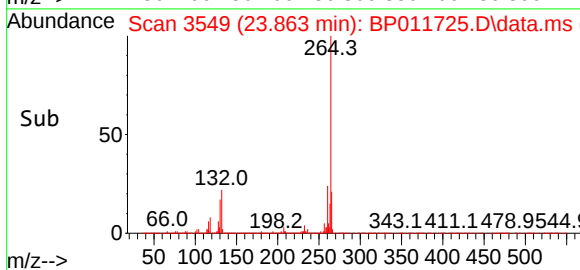
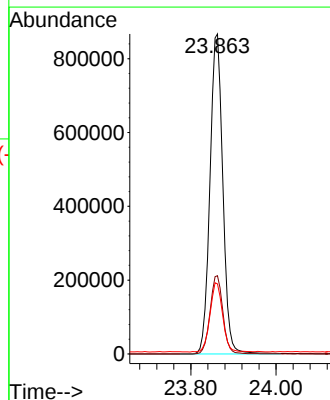
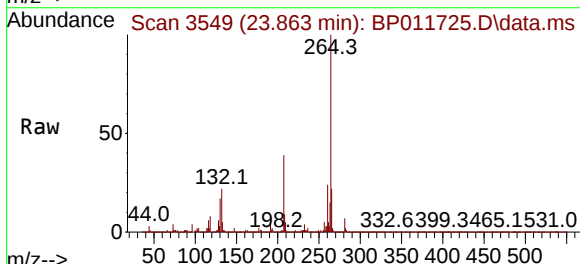
Manual Integrations
APPROVED

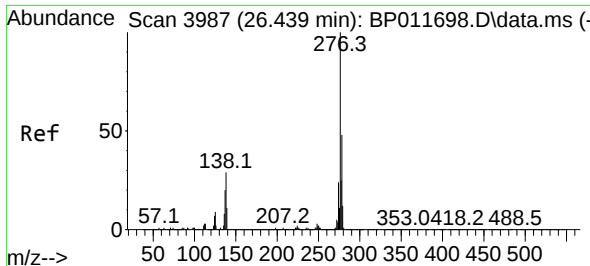
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.863 min Scan# 3549
Delta R.T. -0.006 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Tgt Ion:264 Resp: 1812066
Ion Ratio Lower Upper
264 100
260 24.4 19.3 28.9
265 21.9 18.0 27.0





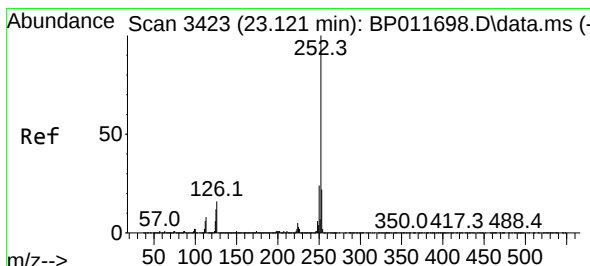
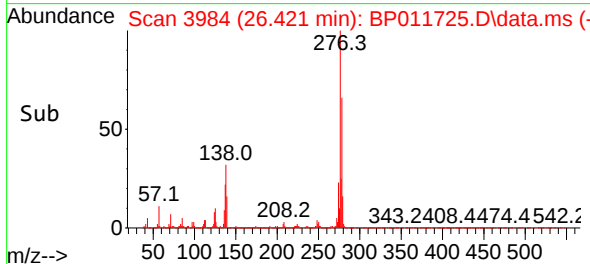
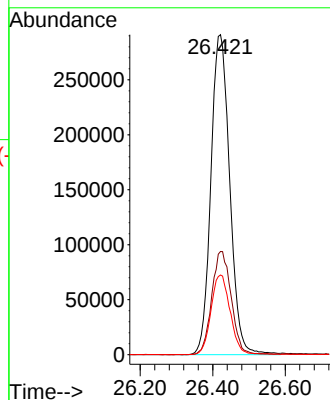
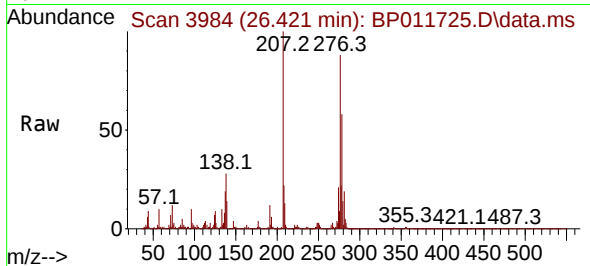
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.041 ng
RT: 26.421 min Scan# 3987
Delta R.T. -0.018 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2022

Tgt Ion: 276 Resp: 1049780
Ion Ratio Lower Upper
276 100
138 33.2 17.5 26.3
277 25.3 20.2 30.4

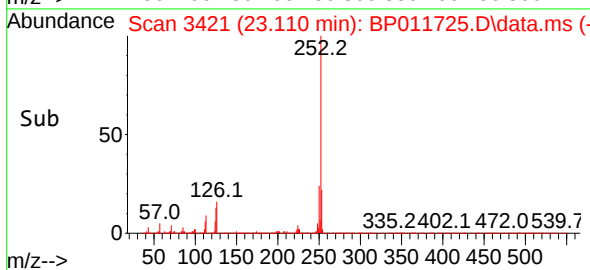
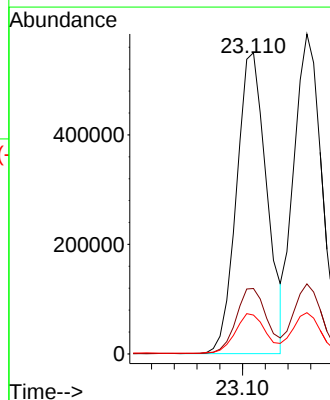
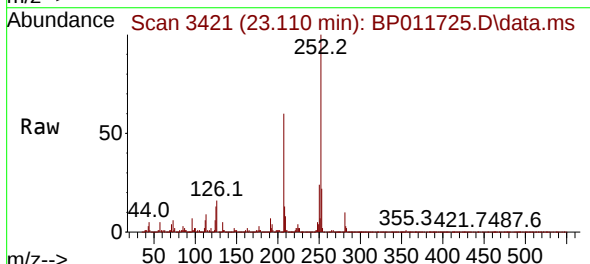
Manual Integrations
APPROVED

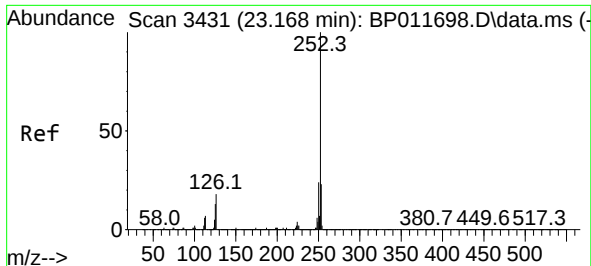
Reviewed By : Christian Giraldo 09/19/2022
Supervised By : Jagrut Upadhyay 09/19/2022



#88
Benzo(b)fluoranthene
Concen: 9.068 ng
RT: 23.110 min Scan# 3421
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

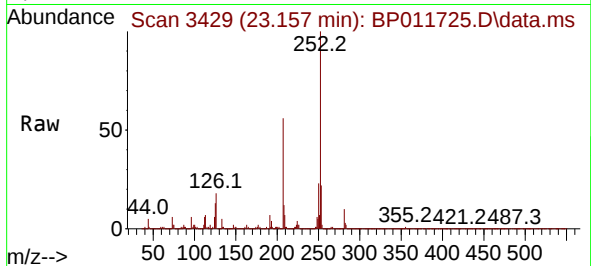
Tgt Ion: 252 Resp: 1016287
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 12.9 7.0 10.6





#89
Benzo(k)fluoranthene
Concen: 8.956 ng
RT: 23.157 min Scan# 34
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

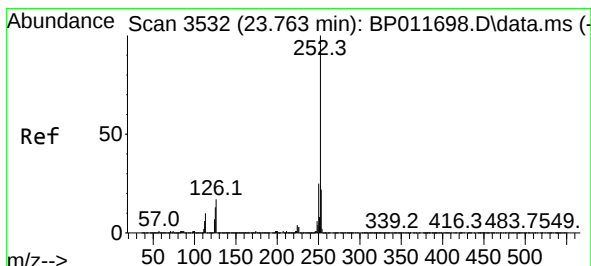
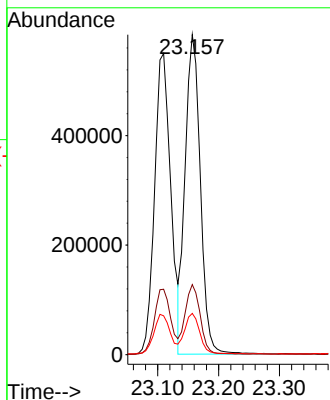
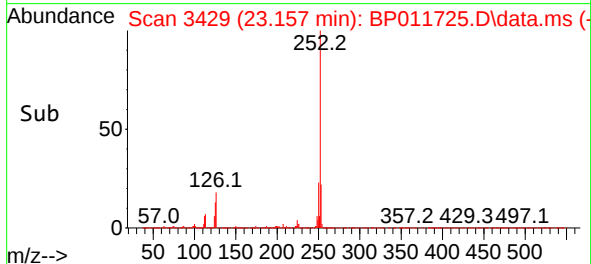
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:252 Resp: 101146
Ion Ratio Lower Upper
252 100
253 21.9 17.2 25.8
125 12.9 7.0 10.4

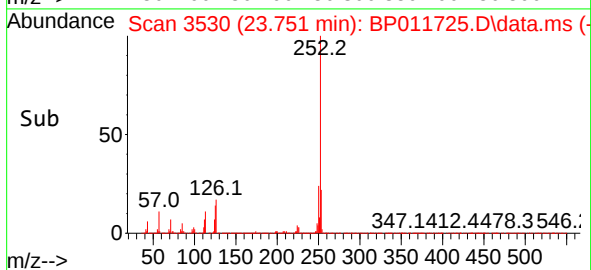
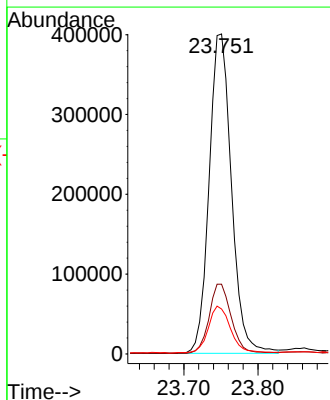
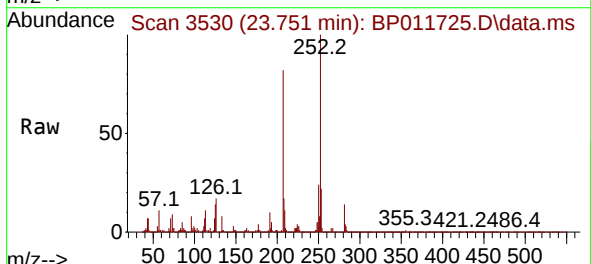
Manual Integrations
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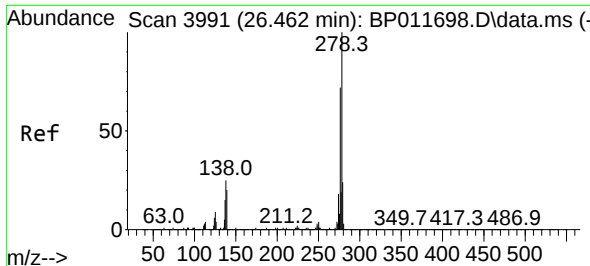
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#90
Benzo(a)pyrene
Concen: 9.035 ng
RT: 23.751 min Scan# 3530
Delta R.T. -0.012 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

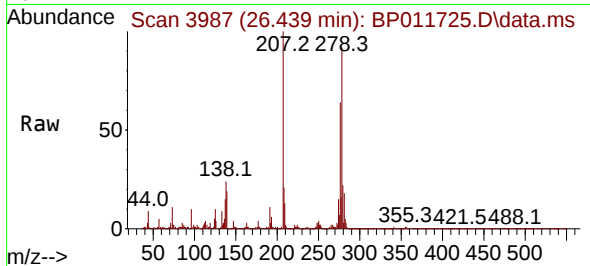
Tgt Ion:252 Resp: 836499
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 14.1 7.9 11.9





#91
Dibenzo(a,h)anthracene
Concen: 8.608 ng
RT: 26.439 min Scan# 3991
Delta R.T. -0.024 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

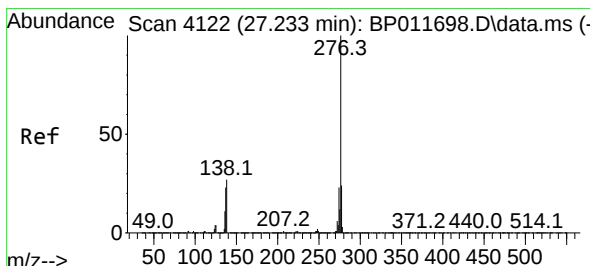
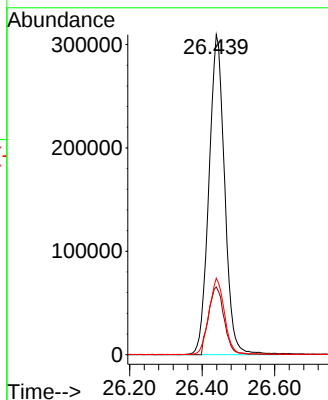
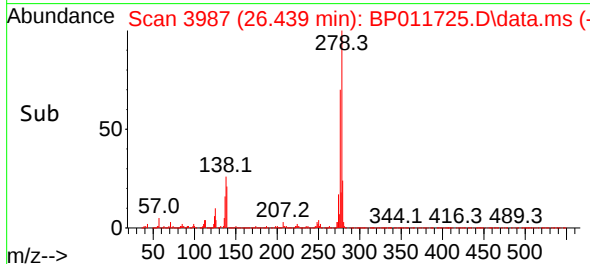
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion: 278 Resp: 933085
Ion Ratio Lower Upper
278 100
139 21.2 11.4 17.0
279 23.9 19.2 28.8

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 09/19/2022
Supervised By : Jagrut Upadhyay 09/19/2022



#92
Benzo(g,h,i)perylene
Concen: 8.383 ng
RT: 27.204 min Scan# 4117
Delta R.T. -0.029 min
Lab File: BP011725.D
Acq: 16 Sep 2022 10:53

Tgt Ion: 276 Resp: 885927
Ion Ratio Lower Upper
276 100
277 23.6 18.7 28.1
138 27.9 15.2 22.8

