

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091522\
 Data File : BP011711.D
 Acq On : 15 Sep 2022 17:29
 Operator : CG/JU
 Sample : N3980-02
 Misc : LOQ--SOIL-10NG
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Sep 15 17:53:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 16:01:44 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 09/16/2022
 Supervised By : Jagrut Upadhyay 09/16/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	386907	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	1537050	20.000	ng	# 0.00
39) Acenaphthene-d10	14.587	164	867809	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	1646230	20.000	ng	# 0.00
76) Chrysene-d12	21.416	240	1492174	20.000	ng	# 0.00
86) Perylene-d12	23.874	264	1443162	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	2162673	101.743	ng	0.00
7) Phenol-d6	7.099	99	2814312	99.324	ng	0.00
23) Nitrobenzene-d5	9.110	82	1912567	73.796	ng	0.00
42) 2,4,6-Tribromophenol	16.075	330	670618	98.904	ng	0.00
45) 2-Fluorobiphenyl	13.210	172	4184377	74.951	ng	0.00
79) Terphenyl-d14	19.892	244	5217158	76.031	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.381	88	103035	11.007	ng	# 81
3) Pyridine	3.793	79	240142	8.898	ng	# 78
4) n-Nitrosodimethylamine	3.693	42	103412	9.995	ng	# 52
6) Aniline	7.269	93	377162	10.806	ng	91
8) 2-Chlorophenol	7.505	128	256220	10.166	ng	93
9) Benzaldehyde	7.081	77	219638	12.110	ng	90
10) Phenol	7.128	94	321418	10.085	ng	82
11) bis(2-Chloroethyl)ether	7.363	93	260033	10.242	ng	94
12) 1,3-Dichlorobenzene	7.834	146	286897	10.264	ng	# 92
13) 1,4-Dichlorobenzene	7.981	146	290586	10.223	ng	97
14) 1,2-Dichlorobenzene	8.299	146	278299	10.270	ng	97
15) Benzyl Alcohol	8.187	79	198215	9.799	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.481	45	353618	10.428	ng	92
17) 2-Methylphenol	8.387	107	197467	9.543	ng	# 92
18) Hexachloroethane	9.034	117	99283	10.098	ng	93
19) n-Nitroso-di-n-propyla...	8.757	70	176494	9.620	ng	# 84
20) 3+4-Methylphenols	8.710	107	259117	9.118	ng	93
22) Acetophenone	8.769	105	379780	10.540	ng	# 89
24) Nitrobenzene	9.152	77	280394	10.398	ng	# 89
25) Isophorone	9.681	82	453526	9.892	ng	94
26) 2-Nitrophenol	9.863	139	89039	8.049	ng	# 83
27) 2,4-Dimethylphenol	9.922	122	210012	10.957	ng	90
28) bis(2-Chloroethoxy)met...	10.163	93	331061	11.293	ng	98
29) 2,4-Dichlorophenol	10.399	162	198560	9.351	ng	98
30) 1,2,4-Trichlorobenzene	10.616	180	235080	10.000	ng	99
31) Naphthalene	10.804	128	807713	10.126	ng	99
32) Benzoic acid	10.016	122	209835	14.629	ng	87
33) 4-Chloroaniline	10.916	127	313274	10.011	ng	# 91
34) Hexachlorobutadiene	11.093	225	128115	9.894	ng	96
35) Caprolactam	11.693	113	53111	7.720	ng	# 75
36) 4-Chloro-3-methylphenol	12.034	107	210472	9.217	ng	94
37) 2-Methylnaphthalene	12.416	142	527739	9.886	ng	97
38) 1-Methylnaphthalene	12.634	142	501903	9.617	ng	99
40) 1,2,4,5-Tetrachloroben...	12.775	216	237135	10.354	ng	97
41) Hexachlorocyclopentadiene	12.763	237	128985	11.283	ng	100
43) 2,4,6-Trichlorophenol	13.016	196	138017	8.859	ng	97

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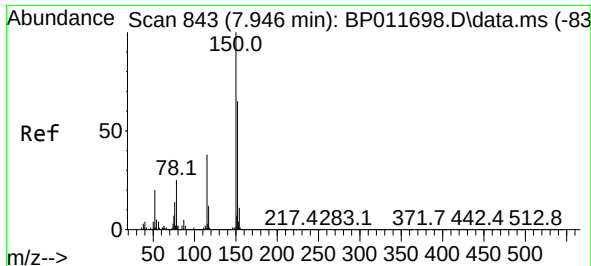
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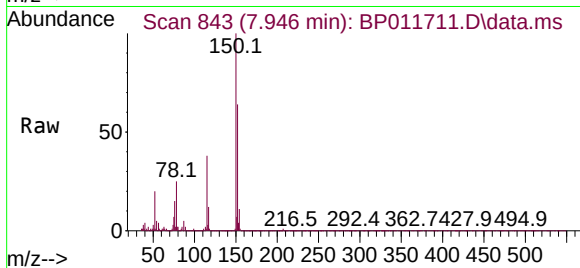
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.087	196	155378	8.920	ng	98
46) 1,1'-Biphenyl	13.422	154	680837	10.784	ng	100
47) 2-Chloronaphthalene	13.463	162	504257	10.152	ng	100
48) 2-Nitroaniline	13.663	65	113815	8.171	ng	91
49) Acenaphthylene	14.304	152	741778	9.651	ng	100
50) Dimethylphthalate	14.039	163	585986	9.679	ng	100
51) 2,6-Dinitrotoluene	14.157	165	107207	8.733	ng	92
52) Acenaphthene	14.651	154	514961m	10.073	ng	
53) 3-Nitroaniline	14.487	138	115241	8.140	ng	91
54) 2,4-Dinitrophenol	14.692	184	72355	12.099	ng	84
55) Dibenzofuran	14.986	168	753455	10.234	ng	97
56) 4-Nitrophenol	14.787	139	90351	7.574	ng	# 78
57) 2,4-Dinitrotoluene	14.939	165	128684	8.092	ng	95
58) Fluorene	15.634	166	592353	9.920	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.210	232	119436	8.346	ng	92
60) Diethylphthalate	15.404	149	571074	9.475	ng	98
61) 4-Chlorophenyl-phenyle...	15.628	204	278243	10.080	ng	99
62) 4-Nitroaniline	15.651	138	111527	7.837	ng	# 84
63) Azobenzene	15.922	77	550221	9.499	ng	91
65) 4,6-Dinitro-2-methylph...	15.704	198	90418	11.231	ng	89
66) n-Nitrosodiphenylamine	15.839	169	490293	10.010	ng	96
67) 4-Bromophenyl-phenylether	16.528	248	145906	9.468	ng	96
68) Hexachlorobenzene	16.639	284	158559	9.553	ng	93
69) Atrazine	16.798	200	143680	9.610	ng	97
70) Pentachlorophenol	16.986	266	117964	11.204	ng	100
71) Phenanthrene	17.380	178	889175	9.926	ng	99
72) Anthracene	17.475	178	837698	9.888	ng	99
73) Carbazole	17.739	167	786347	9.839	ng	99
74) Di-n-butylphthalate	18.292	149	847416	8.797	ng	98
75) Fluoranthene	19.345	202	916478	9.487	ng	97
77) Benzidine	19.522	184	422928	11.918	ng	98
78) Pyrene	19.692	202	968986	9.628	ng	99
80) Butylbenzylphthalate	20.569	149	338344	8.023	ng	93
81) Benzo(a)anthracene	21.404	228	929192	9.661	ng	99
82) 3,3'-Dichlorobenzidine	21.333	252	308355	10.556	ng	# 98
83) Chrysene	21.457	228	881785	9.596	ng	99
84) Bis(2-ethylhexyl)phtha...	21.327	149	504049	8.308	ng	# 97
85) Di-n-octyl phthalate	22.268	149	789463	7.583	ng	95
87) Indeno(1,2,3-cd)pyrene	26.451	276	967464	9.305	ng	# 89
88) Benzo(b)fluoranthene	23.121	252	925056	10.364	ng	# 96
89) Benzo(k)fluoranthene	23.174	252	870681	9.680	ng	# 96
90) Benzo(a)pyrene	23.768	252	749507	10.165	ng	# 97
91) Dibenzo(a,h)anthracene	26.462	278	856577	9.922	ng	# 94
92) Benzo(g,h,i)perylene	27.227	276	842600	10.011	ng	# 91

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.946 min Scan# 84
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

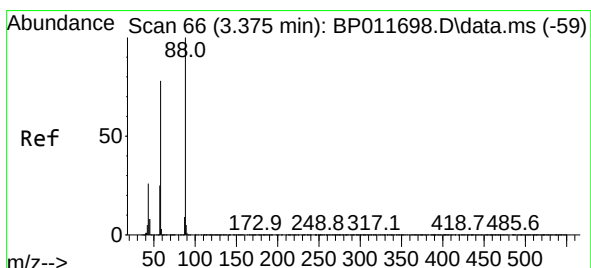
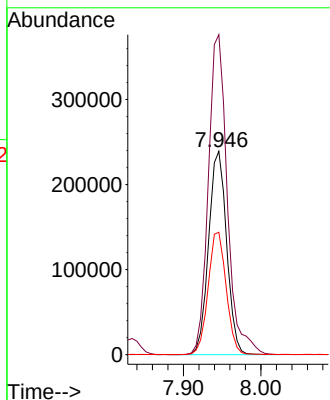
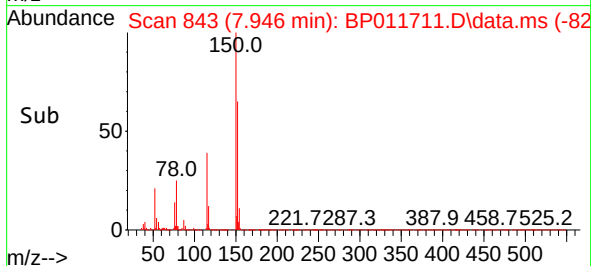
Instrument : BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



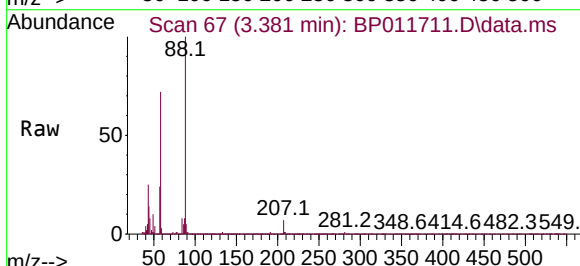
Tgt Ion:152 Resp: 386907
Ion Ratio Lower Upper
152 100
150 157.4 123.4 185.2
115 60.1 51.3 76.9

Manual Integrations
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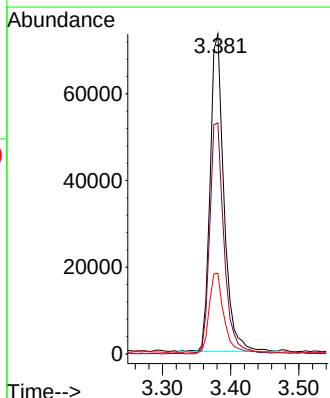
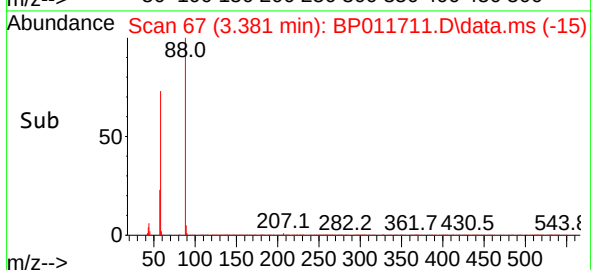
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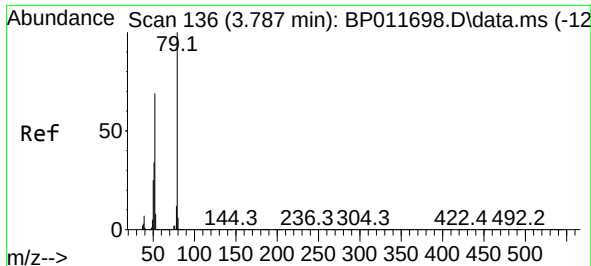


#2
1,4-Dioxane
Concen: 11.007 ng
RT: 3.381 min Scan# 67
Delta R.T. 0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29



Tgt Ion: 88 Resp: 103035
Ion Ratio Lower Upper
88 100
58 75.5 74.5 111.7
43 26.3 31.5 47.3#





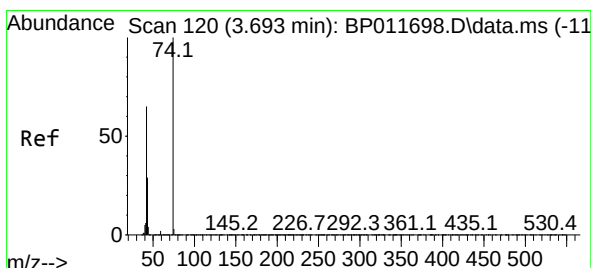
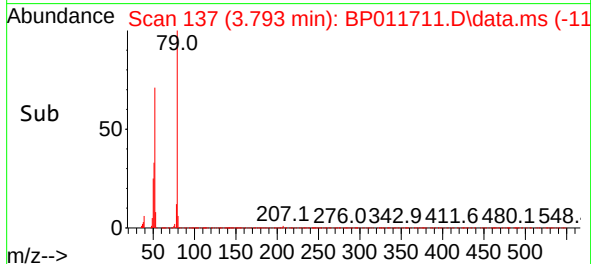
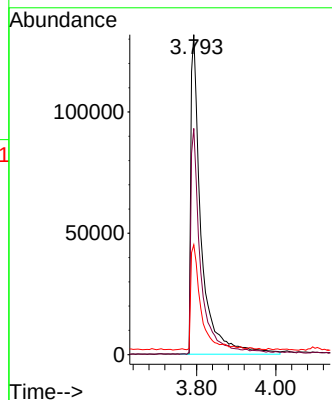
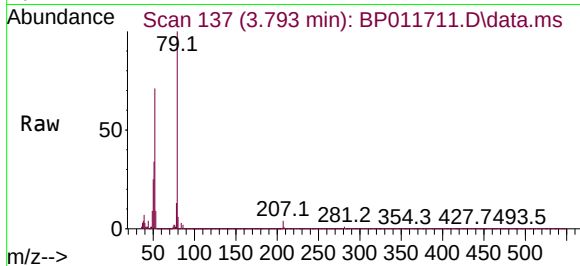
#3
Pyridine
Concen: 8.898 ng
RT: 3.793 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

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

Tgt Ion: 79 Resp: 240142
Ion Ratio Lower Upper
79 100
52 70.7 73.5 110.3#
51 34.3 38.6 57.8#

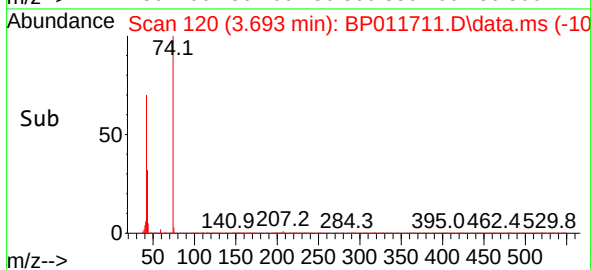
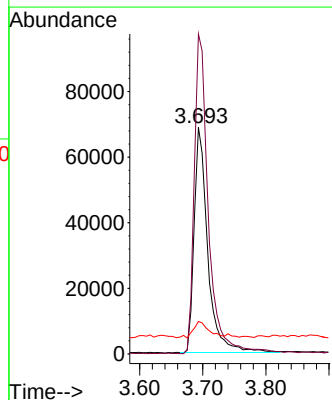
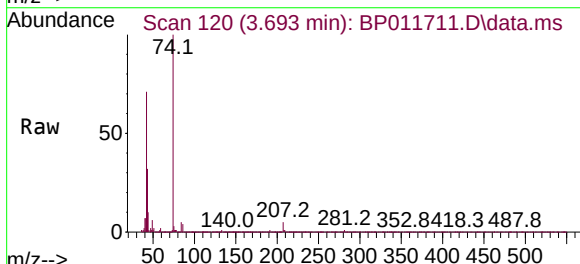
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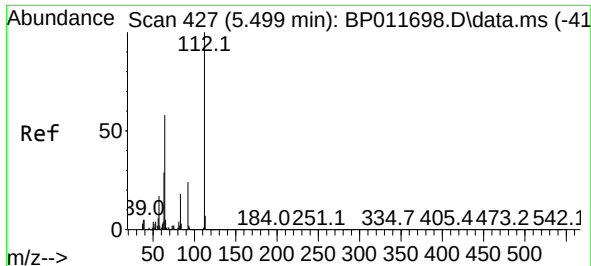
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Supervised By :Jagrut Upadhyay 09/16/2022



#4
n-Nitrosodimethylamine
Concen: 9.995 ng
RT: 3.693 min Scan# 120
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

Tgt Ion: 42 Resp: 103412
Ion Ratio Lower Upper
42 100
74 141.3 74.4 111.6#
44 14.3 5.7 8.5#





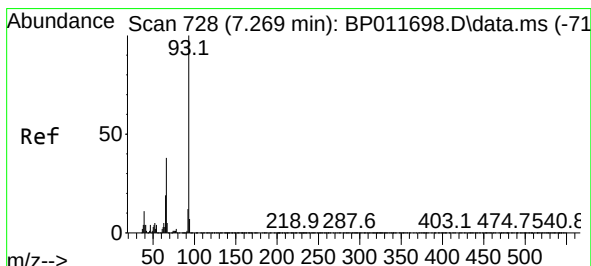
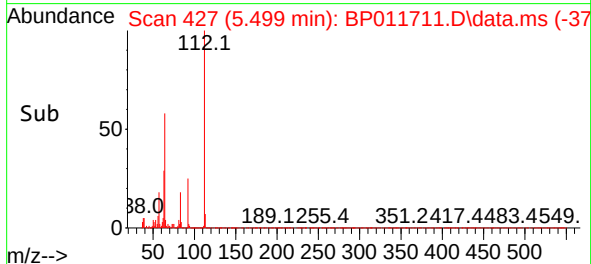
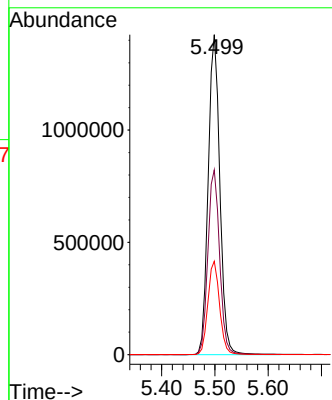
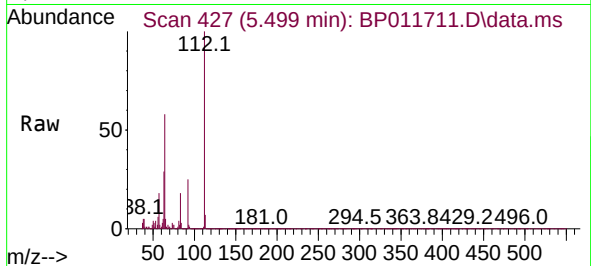
#5
2-Fluorophenol
Concen: 101.743 ng
RT: 5.499 min Scan# 427
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

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

Tgt Ion: 112 Resp: 2162673
Ion Ratio Lower Upper
112 100
64 57.7 56.9 85.3
63 29.2 31.2 46.8

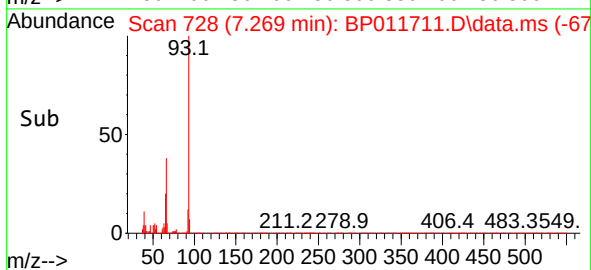
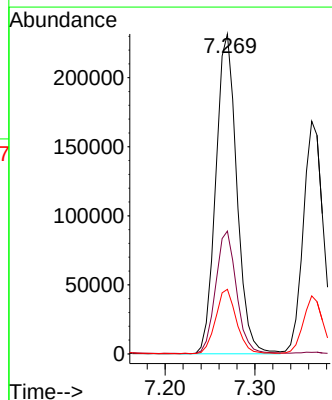
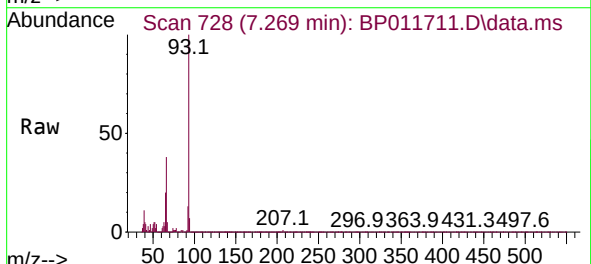
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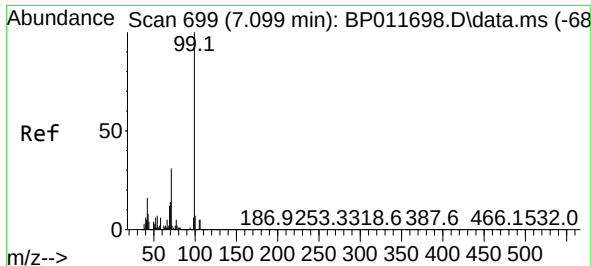
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#6
Aniline
Concen: 10.806 ng
RT: 7.269 min Scan# 728
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

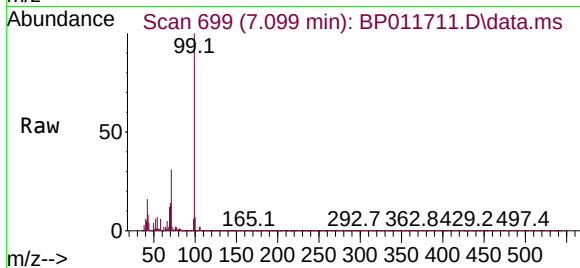
Tgt Ion: 93 Resp: 377162
Ion Ratio Lower Upper
93 100
66 38.4 36.7 55.1
65 20.2 18.2 27.4





#7
Phenol-d6
Concen: 99.324 ng
RT: 7.099 min Scan# 699
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

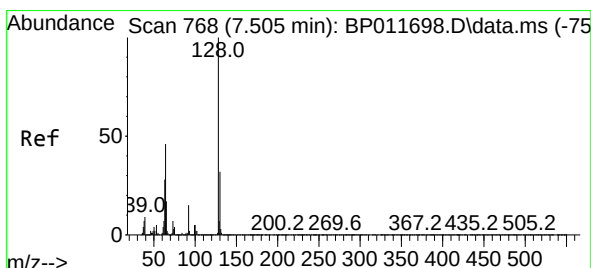
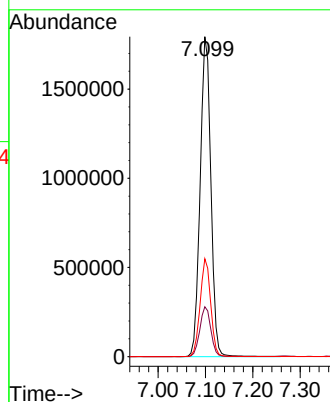
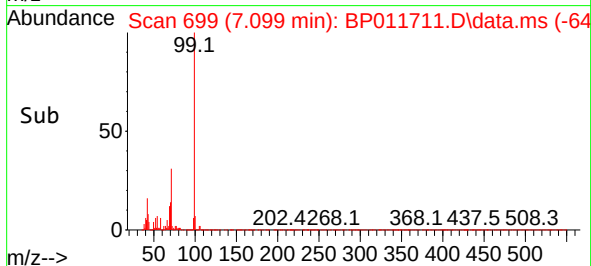
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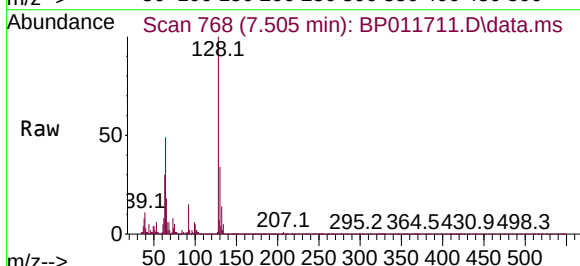
Tgt Ion: 99 Resp: 2814312
Ion Ratio Lower Upper
99 100
42 15.6 20.3 30.5
71 30.6 33.9 50.9

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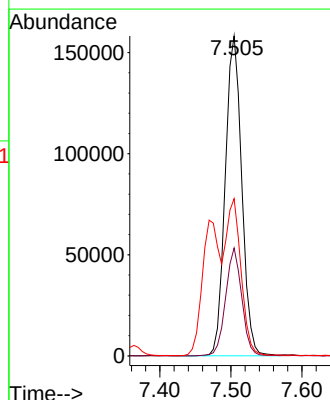
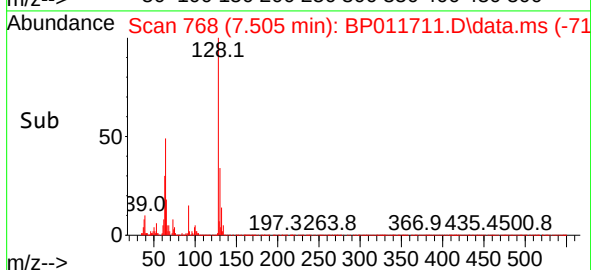
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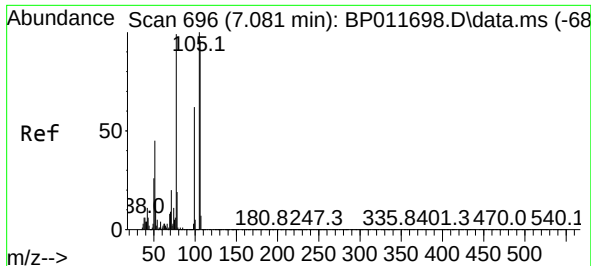


#8
2-Chlorophenol
Concen: 10.166 ng
RT: 7.505 min Scan# 768
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29



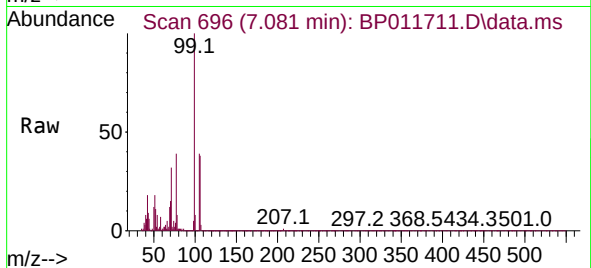
Tgt Ion:128 Resp: 256220
Ion Ratio Lower Upper
128 100
130 33.7 11.8 51.8
64 49.1 35.3 75.3





#9
Benzaldehyde
Concen: 12.110 ng
RT: 7.081 min Scan# 696
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

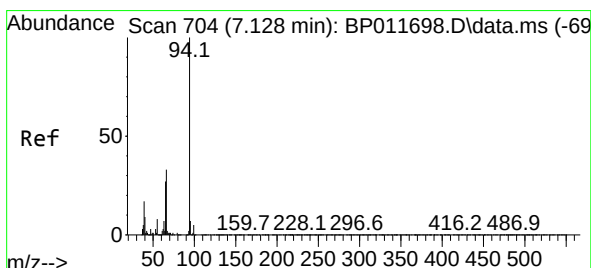
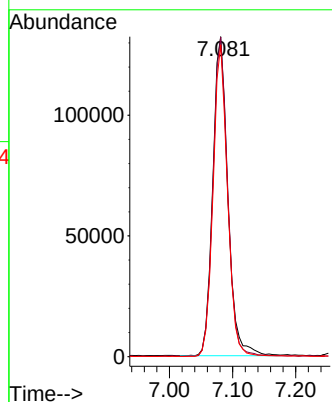
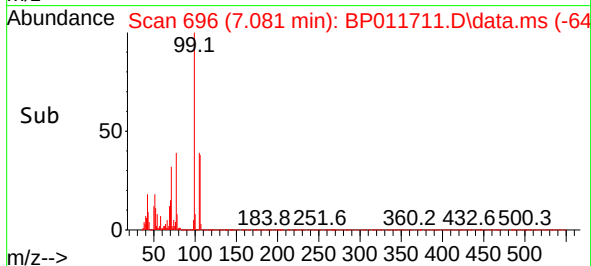
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2022



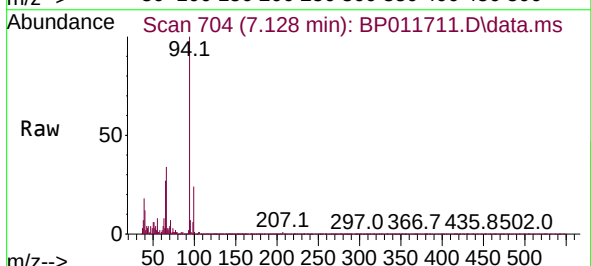
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Ion Ratio Lower Upper
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106 97.4 66.9 106.9

Manual Integrations
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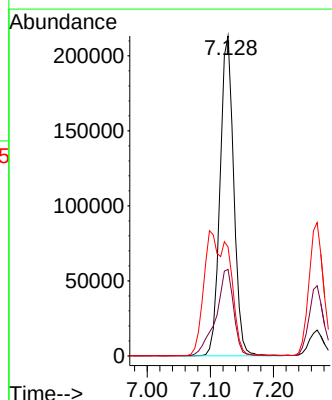
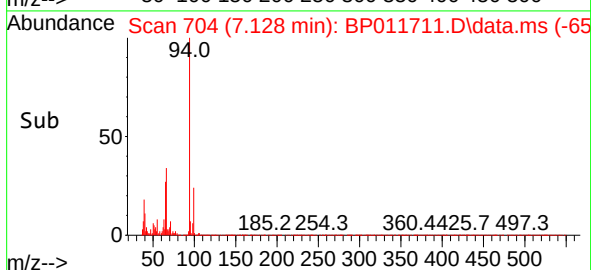
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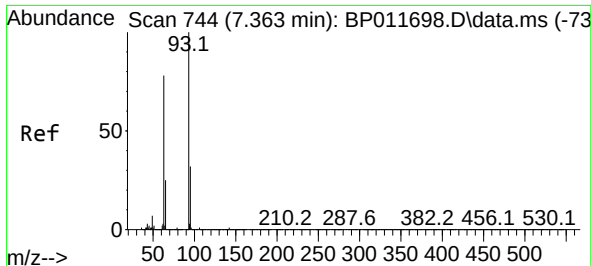


#10
Phenol
Concen: 10.085 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29



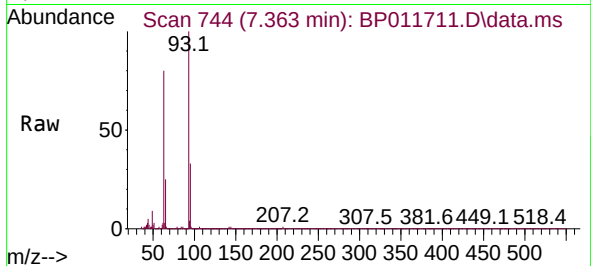
Tgt Ion: 94 Resp: 321418
Ion Ratio Lower Upper
94 100
65 27.0 14.0 54.0
66 34.0 29.2 69.2





#11
bis(2-Chloroethyl)ether
Concen: 10.242 ng
RT: 7.363 min Scan# 744
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

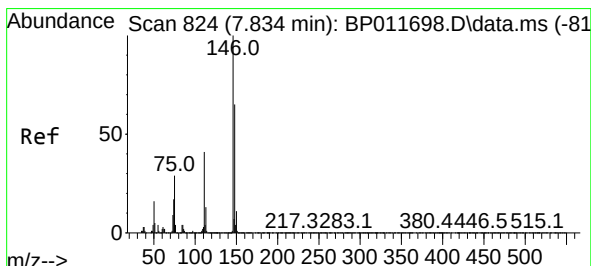
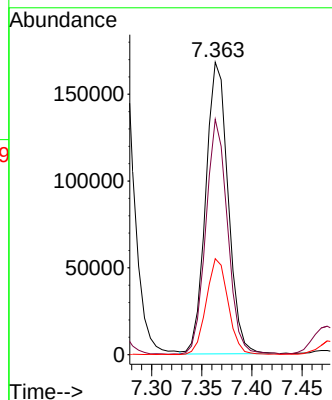
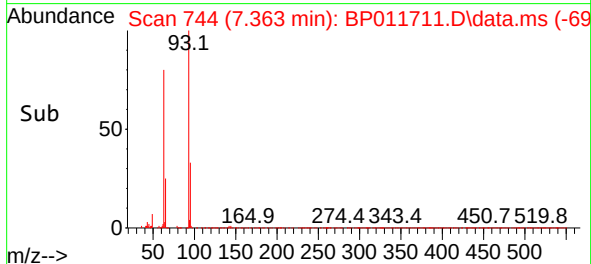
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



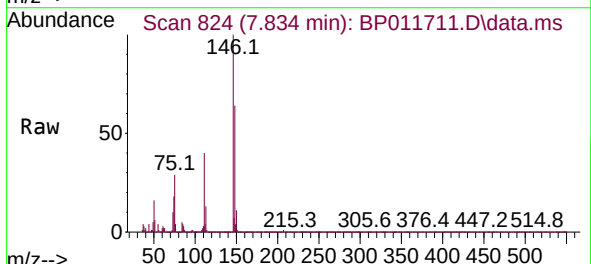
Tgt Ion: 93 Resp: 260033
Ion Ratio Lower Upper
93 100
63 80.4 68.2 108.2
95 32.8 12.2 52.2

Manual Integrations
APPROVED

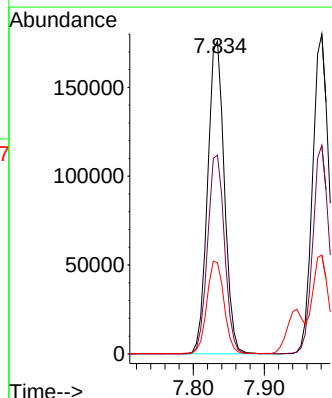
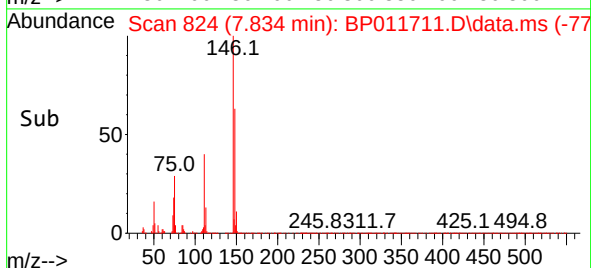
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

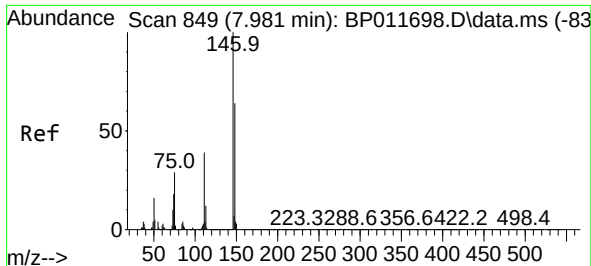


#12
1,3-Dichlorobenzene
Concen: 10.264 ng
RT: 7.834 min Scan# 824
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29



Tgt Ion:146 Resp: 286897
Ion Ratio Lower Upper
146 100
148 63.5 53.0 79.4
75 29.1 31.3 46.9#





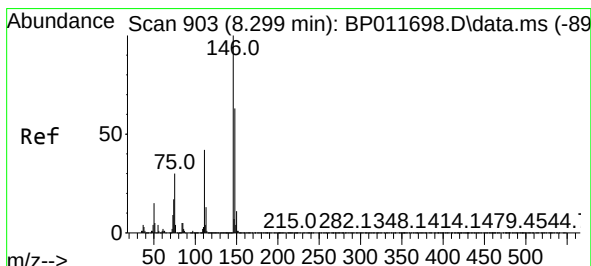
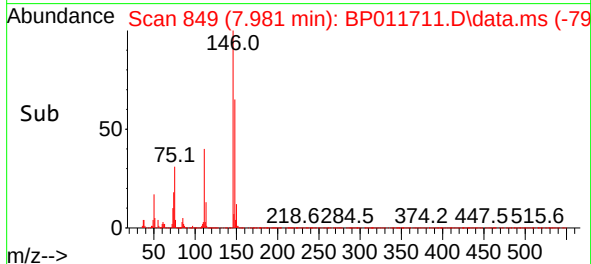
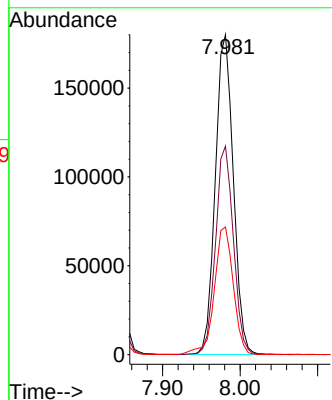
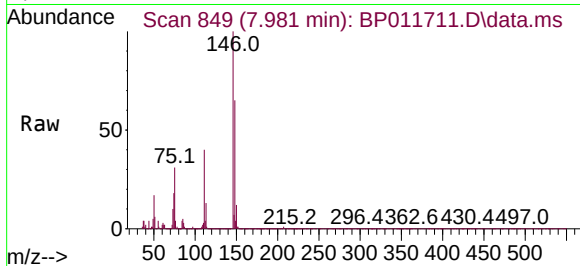
#13
1,4-Dichlorobenzene
Concen: 10.223 ng
RT: 7.981 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

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

Tgt Ion:146 Resp: 290586
Ion Ratio Lower Upper
146 100
148 65.2 51.6 77.4
111 39.9 35.2 52.8

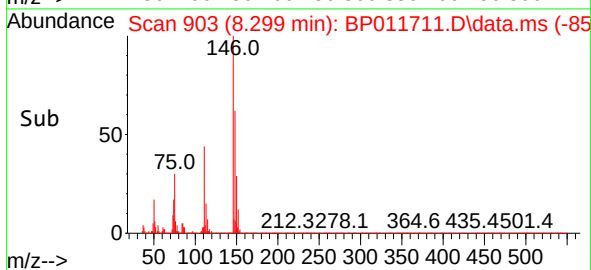
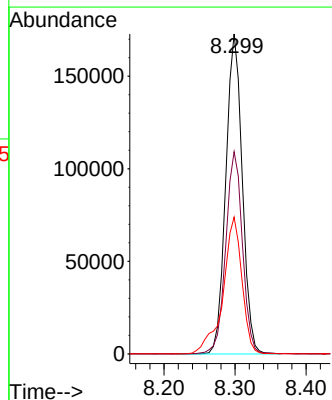
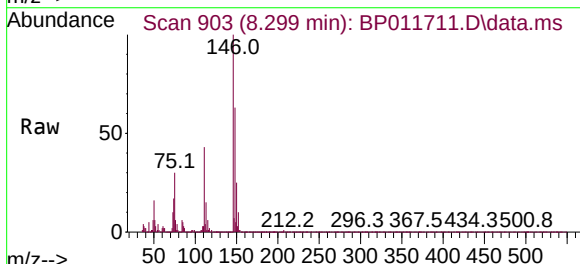
Manual Integrations
APPROVED

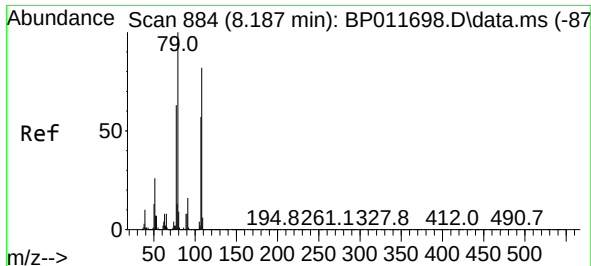
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#14
1,2-Dichlorobenzene
Concen: 10.270 ng
RT: 8.299 min Scan# 903
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

Tgt Ion:146 Resp: 278299
Ion Ratio Lower Upper
146 100
148 63.2 52.2 78.2
111 42.7 36.6 55.0





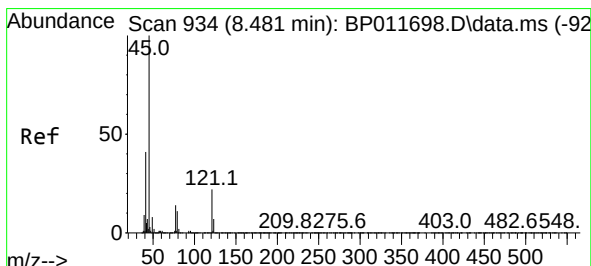
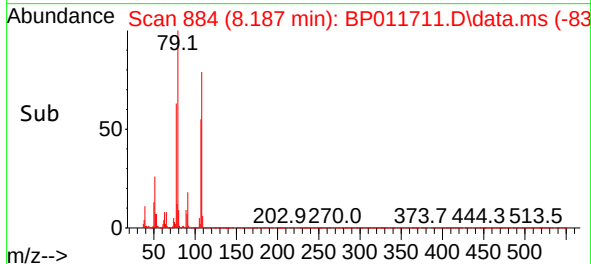
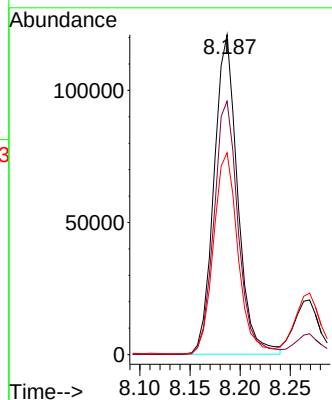
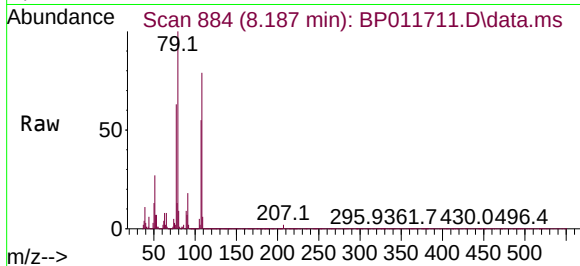
#15
Benzyl Alcohol
Concen: 9.799 ng
RT: 8.187 min Scan# 884
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

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

Tgt Ion: 79 Resp: 198215
Ion Ratio Lower Upper
79 100
108 79.2 53.4 80.0
77 63.1 51.5 77.3

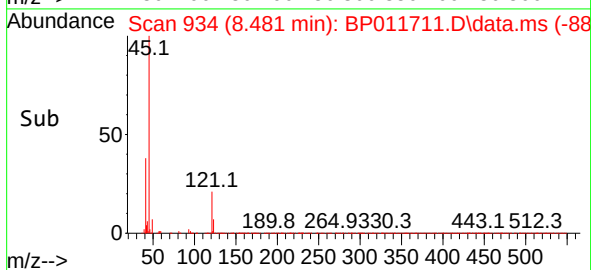
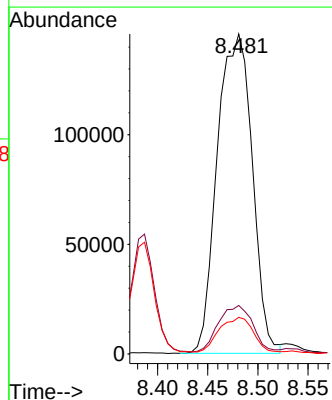
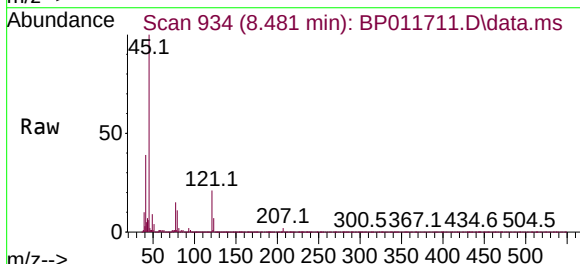
Manual Integrations
APPROVED

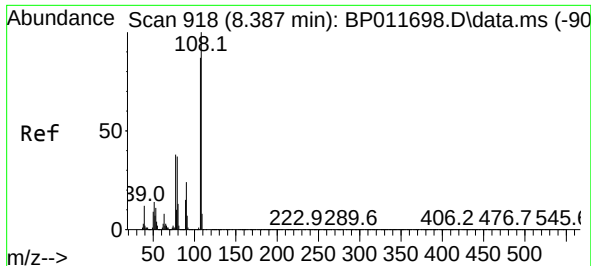
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.428 ng
RT: 8.481 min Scan# 934
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

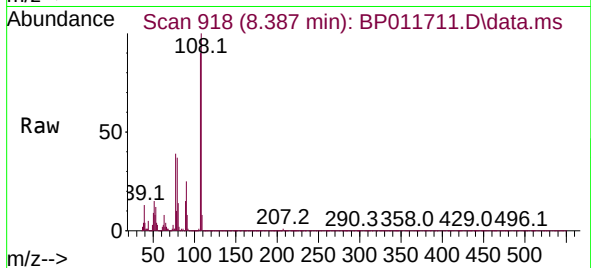
Tgt Ion: 45 Resp: 353618
Ion Ratio Lower Upper
45 100
77 15.1 0.0 31.8
79 11.4 0.0 28.8





#17
2-Methylphenol
Concen: 9.543 ng
RT: 8.387 min Scan# 918
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

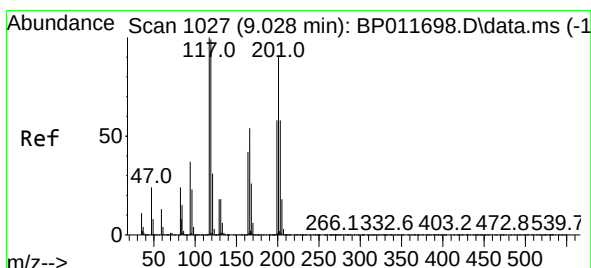
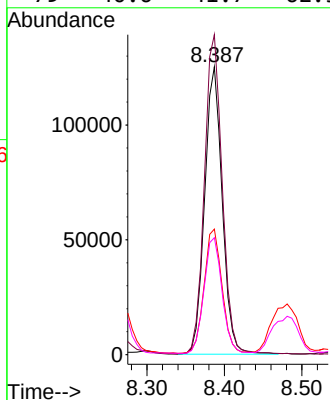
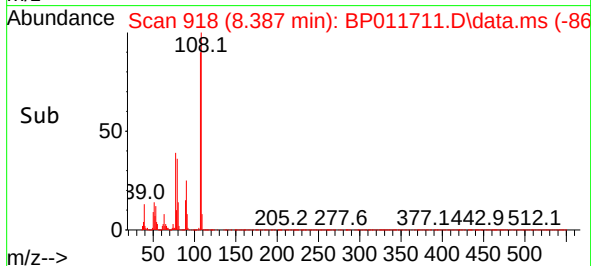
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:107 Resp: 197462
Ion Ratio Lower Upper
107 100
108 111.2 88.9 133.3
77 43.6 44.7 67.1
79 40.6 41.7 62.5#

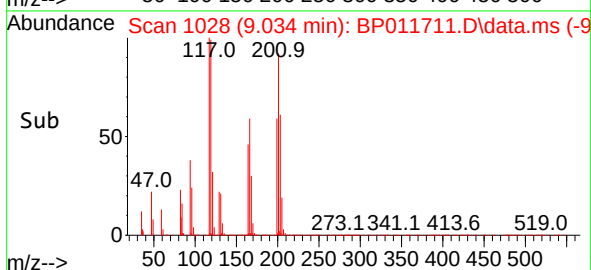
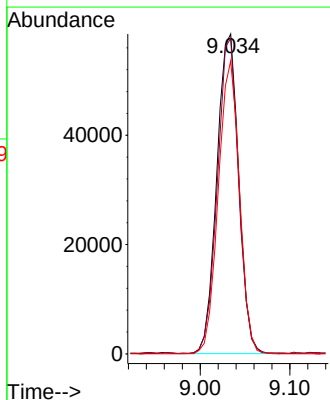
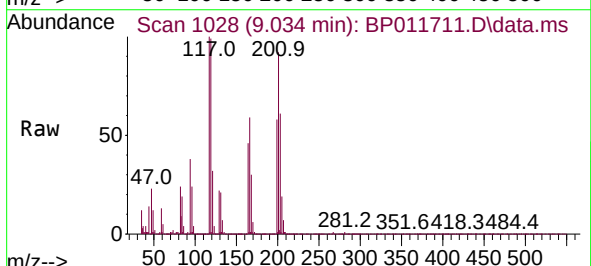
Manual Integrations
APPROVED

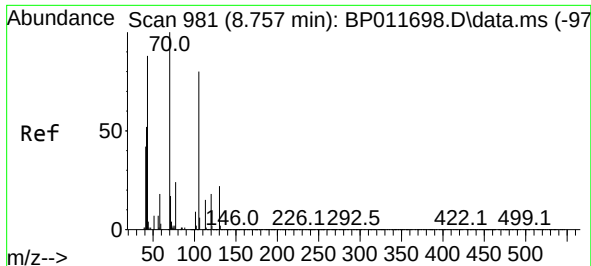
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#18
Hexachloroethane
Concen: 10.098 ng
RT: 9.034 min Scan# 1028
Delta R.T. 0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

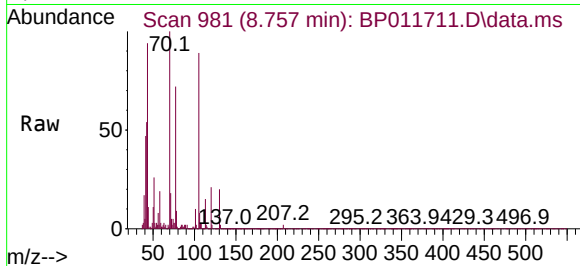
Tgt Ion:117 Resp: 99283
Ion Ratio Lower Upper
117 100
119 98.6 75.6 113.4
201 91.5 80.9 121.3





#19
n-Nitroso-di-n-propylamine
Concen: 9.620 ng
RT: 8.757 min Scan# 981
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

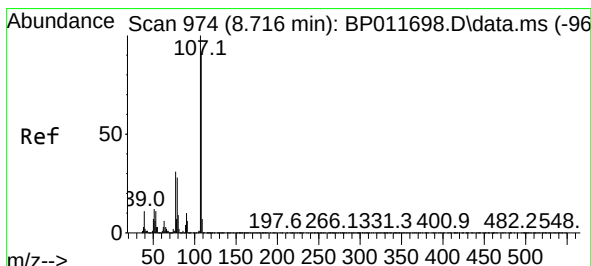
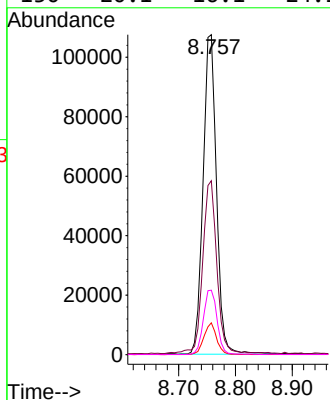
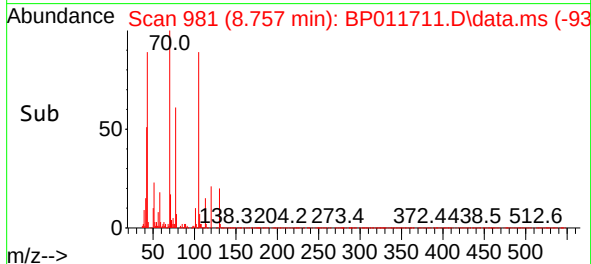
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



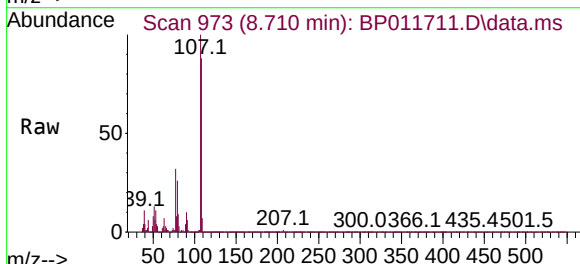
Tgt Ion: 70 Resp: 176494
Ion Ratio Lower Upper
70 100
42 54.3 58.1 87.1
101 9.9 8.4 12.6
130 20.1 16.1 24.1

Manual Integrations
APPROVED

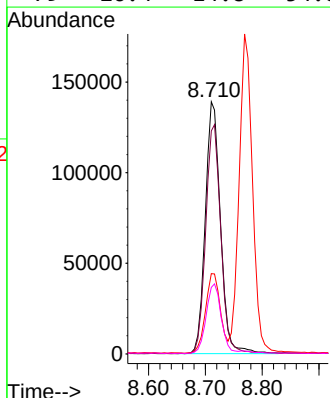
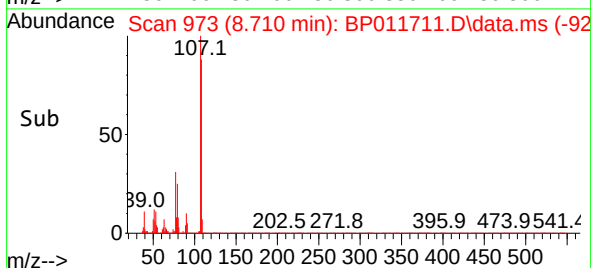
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

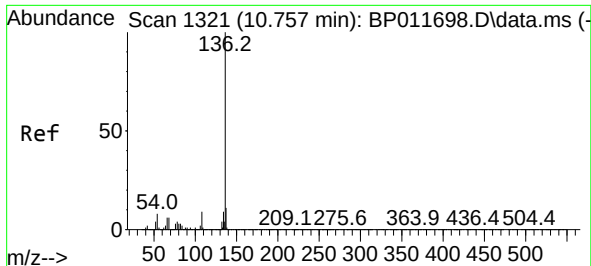


#20
3+4-Methylphenols
Concen: 9.118 ng
RT: 8.710 min Scan# 973
Delta R.T. -0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29



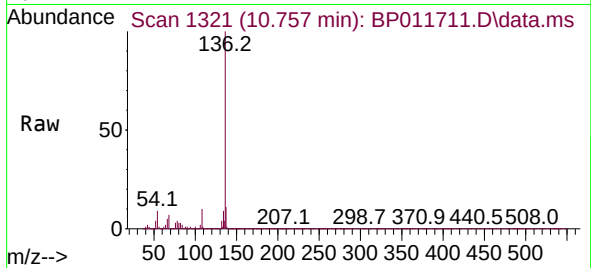
Tgt Ion: 107 Resp: 259117
Ion Ratio Lower Upper
107 100
108 88.4 67.1 107.1
77 31.9 19.2 59.2
79 26.4 14.8 54.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

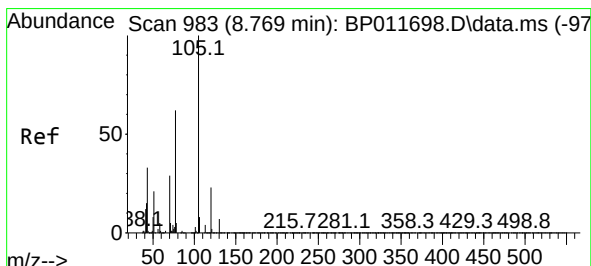
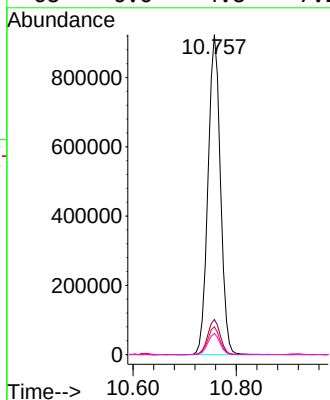
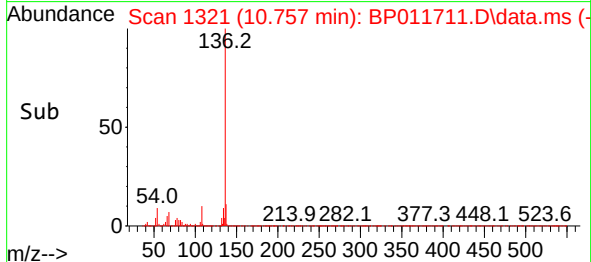
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:136 Resp: 1537050
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 8.7 8.7 13.1
68 6.6 4.8 7.2

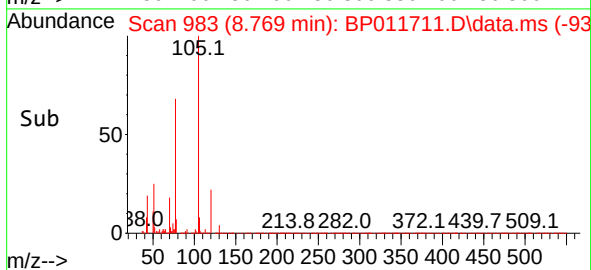
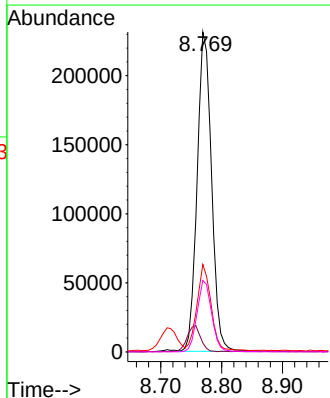
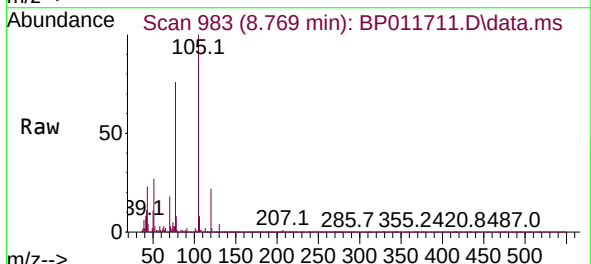
Manual Integrations
APPROVED

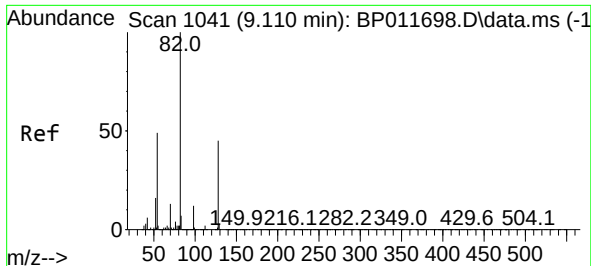
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#22
Acetophenone
Concen: 10.540 ng
RT: 8.769 min Scan# 983
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

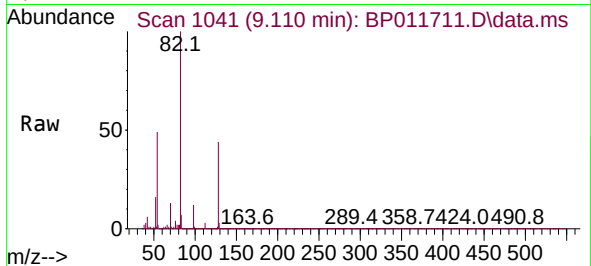
Tgt Ion:105 Resp: 379780
Ion Ratio Lower Upper
105 100
71 2.8 3.4 5.0#
51 27.3 29.5 44.3#
120 22.3 17.0 25.4





#23
Nitrobenzene-d5
Concen: 73.796 ng
RT: 9.110 min Scan# 1041
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

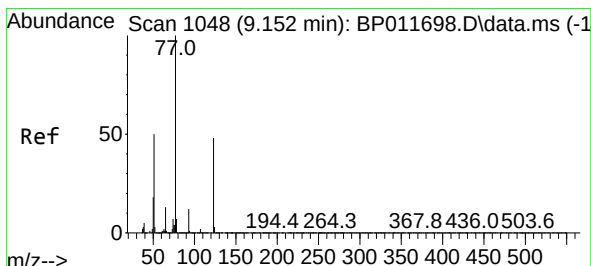
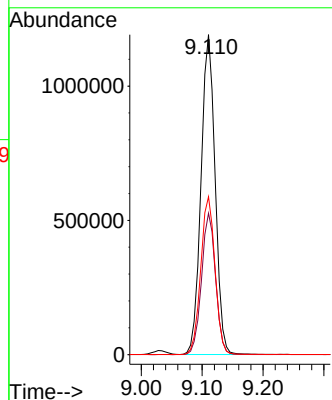
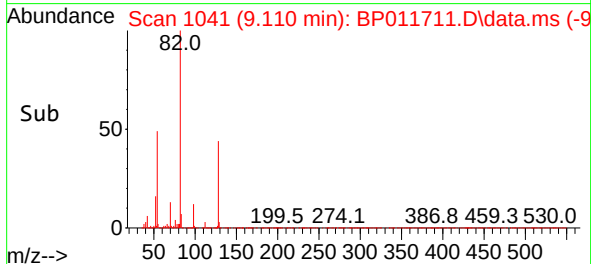
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion: 82 Resp: 191256
Ion Ratio Lower Upper
82 100
128 44.2 31.3 46.9
54 49.3 49.8 74.8

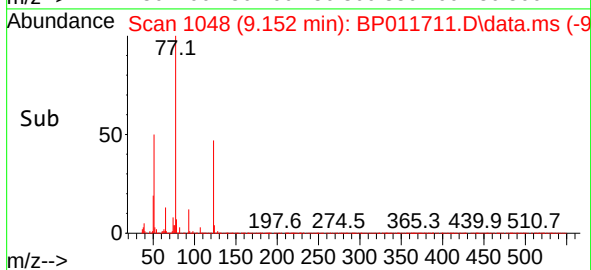
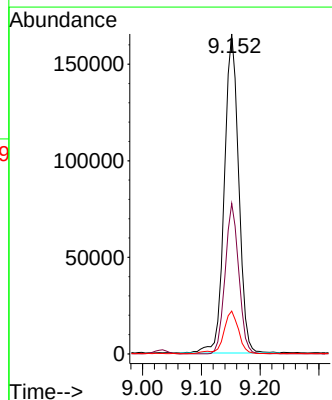
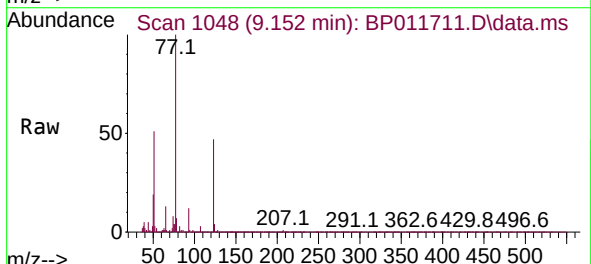
Manual Integrations
APPROVED

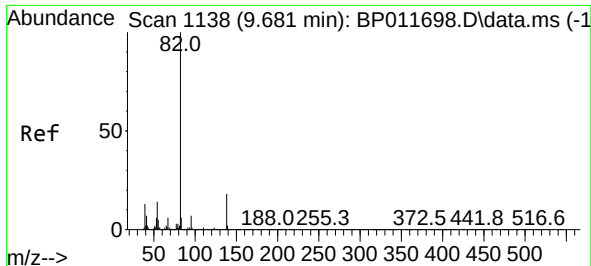
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#24
Nitrobenzene
Concen: 10.398 ng
RT: 9.152 min Scan# 1048
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

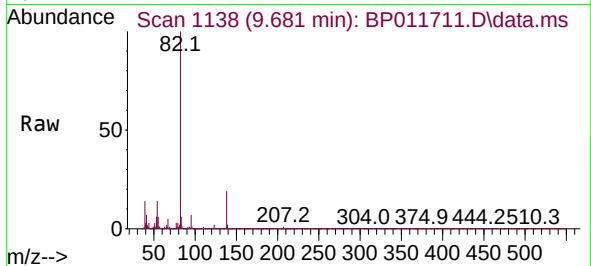
Tgt Ion: 77 Resp: 280394
Ion Ratio Lower Upper
77 100
123 47.0 31.1 46.7#
65 13.4 12.1 18.1





#25
Isophorone
Concen: 9.892 ng
RT: 9.681 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

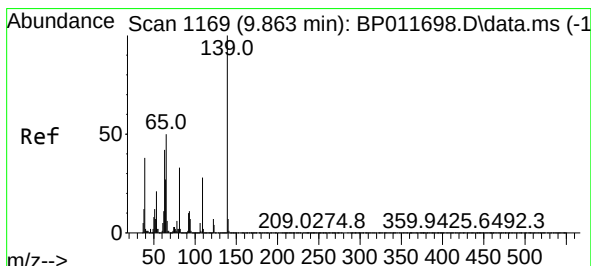
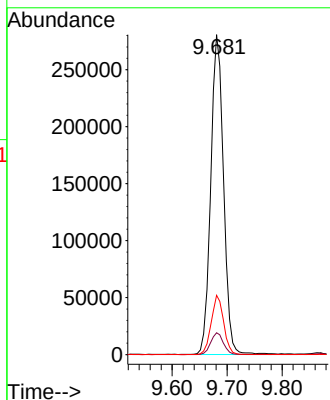
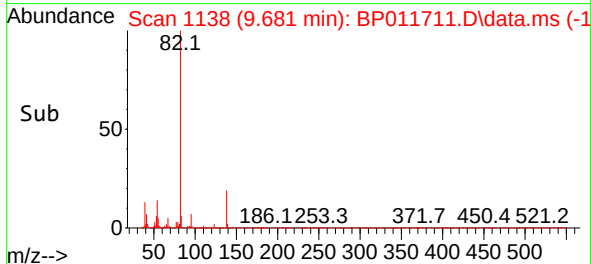
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion: 82 Resp: 453526
Ion Ratio Lower Upper
82 100
95 6.8 6.5 9.7
138 18.5 12.4 18.6

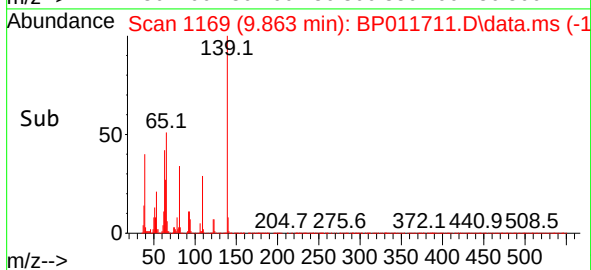
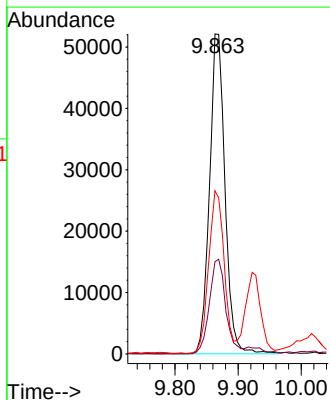
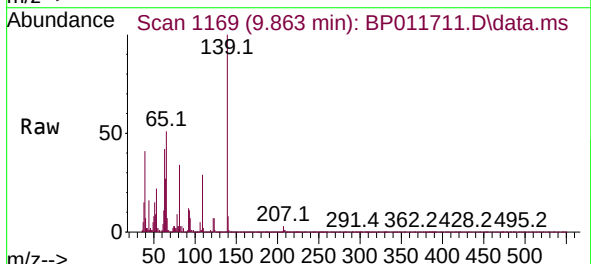
Manual Integrations
APPROVED

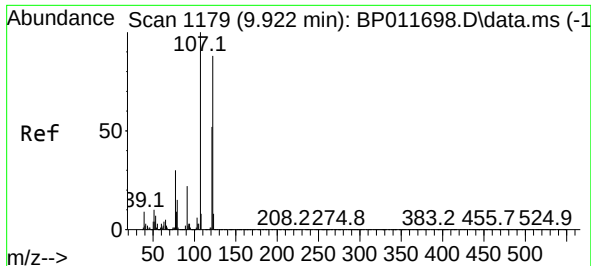
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#26
2-Nitrophenol
Concen: 8.049 ng
RT: 9.863 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

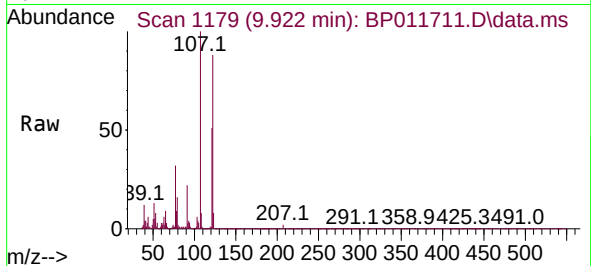
Tgt Ion:139 Resp: 89039
Ion Ratio Lower Upper
139 100
109 28.8 30.2 45.4#
65 51.0 52.2 78.2#





#27
2,4-Dimethylphenol
Concen: 10.957 ng
RT: 9.922 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

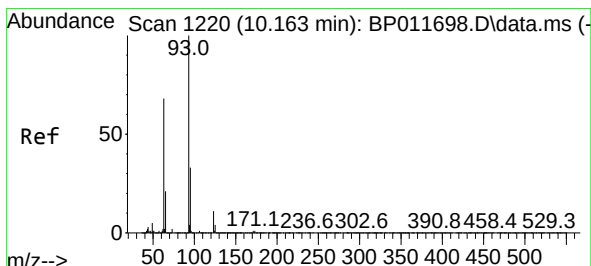
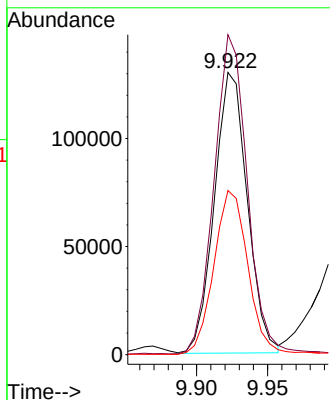
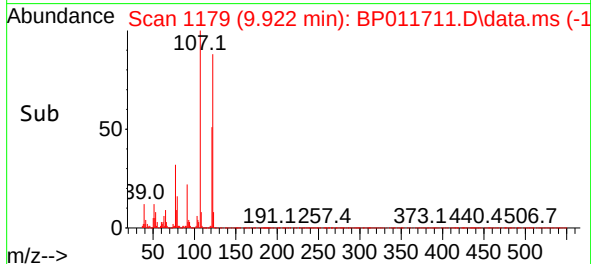
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2022



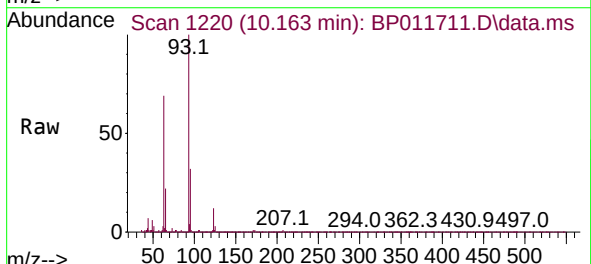
Tgt Ion: 122 Resp: 210012
Ion Ratio Lower Upper
122 100
107 113.4 103.5 155.3
121 58.2 47.5 71.3

Manual Integrations
APPROVED

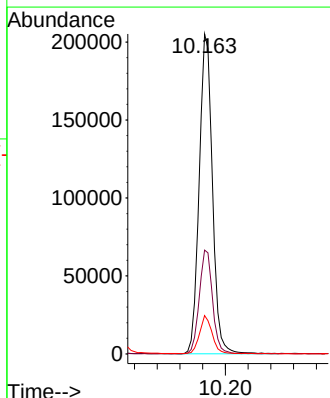
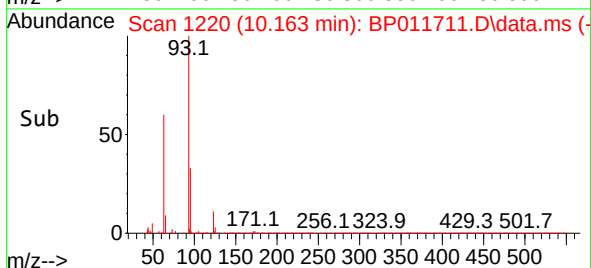
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

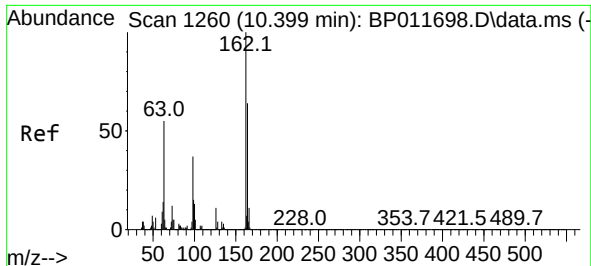


#28
bis(2-Chloroethoxy)methane
Concen: 11.293 ng
RT: 10.163 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29



Tgt Ion: 93 Resp: 331061
Ion Ratio Lower Upper
93 100
95 32.4 25.0 37.6
123 12.0 9.0 13.6





#29

2,4-Dichlorophenol

Concen: 9.351 ng

RT: 10.399 min Scan# 1260

Delta R.T. -0.000 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

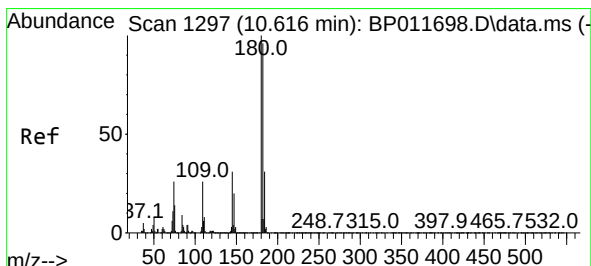
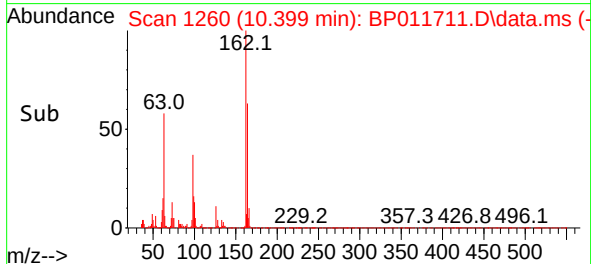
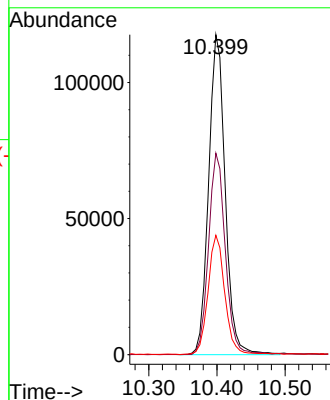
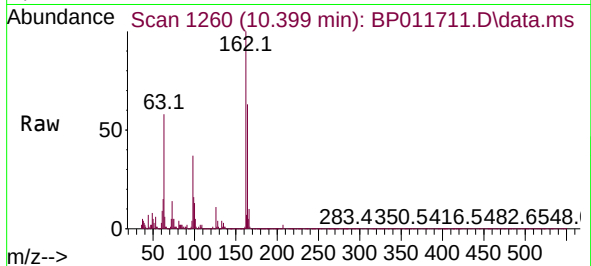
Tgt Ion:	162	Resp:	198560
Ion Ratio	Lower	Upper	
162	100		
164	63.0	43.0	83.0
98	37.3	20.4	60.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#30

1,2,4-Trichlorobenzene

Concen: 10.000 ng

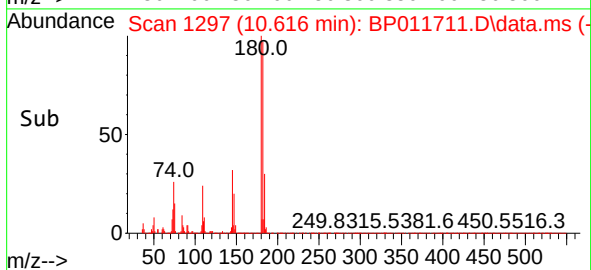
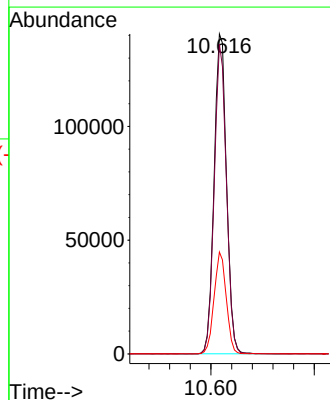
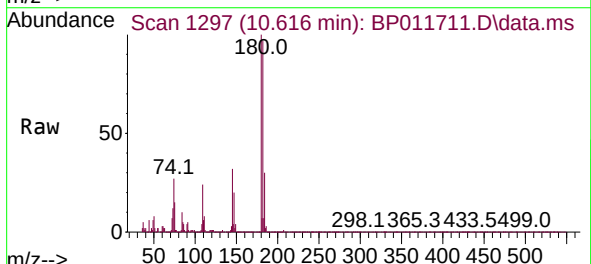
RT: 10.616 min Scan# 1297

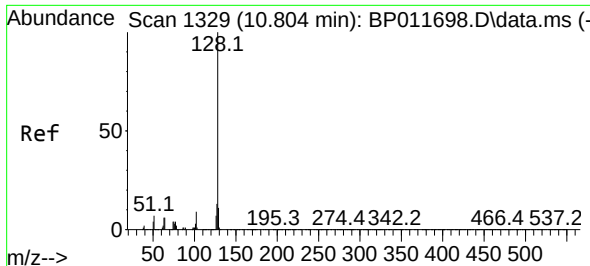
Delta R.T. -0.000 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

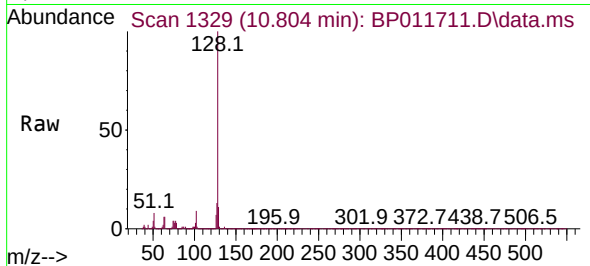
Tgt Ion:	180	Resp:	235080
Ion Ratio	Lower	Upper	
180	100		
182	96.8	78.0	117.0
145	31.8	24.6	36.8





#31
Naphthalene
Concen: 10.126 ng
RT: 10.804 min Scan# 1195
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

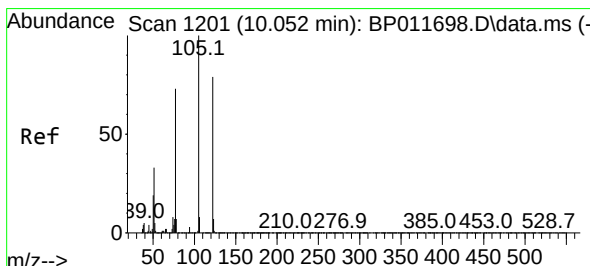
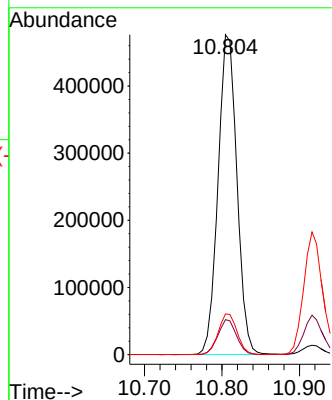
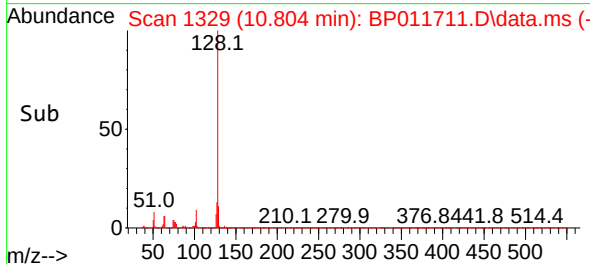
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:128 Resp: 807713
Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 12.7 10.3 15.5

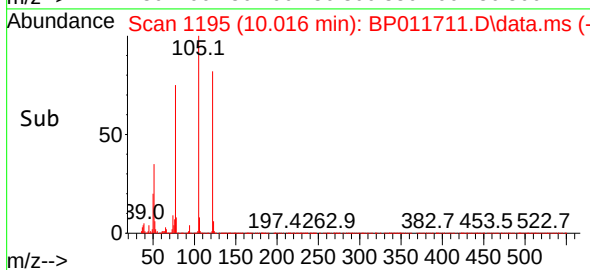
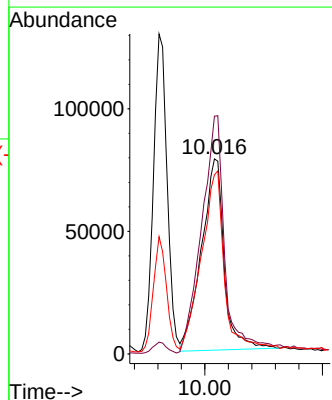
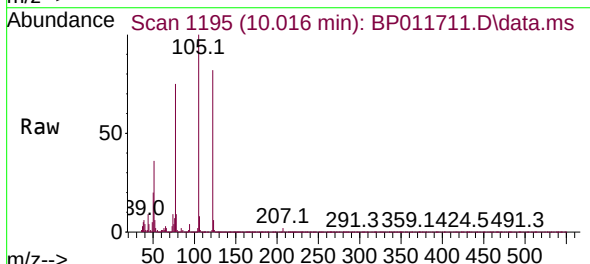
Manual Integrations
APPROVED

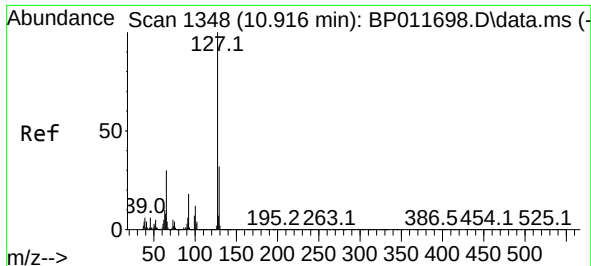
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#32
Benzoic acid
Concen: 14.629 ng
RT: 10.016 min Scan# 1195
Delta R.T. -0.036 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

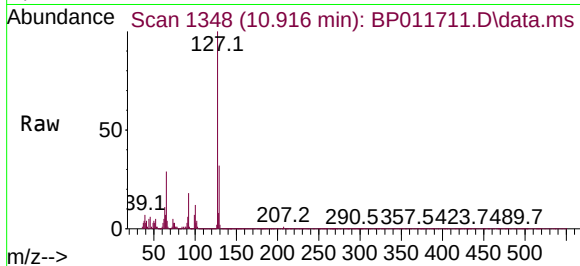
Tgt Ion:122 Resp: 209835
Ion Ratio Lower Upper
122 100
105 121.9 112.6 152.6
77 91.9 90.2 130.2





#33
4-Chloroaniline
Concen: 10.011 ng
RT: 10.916 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

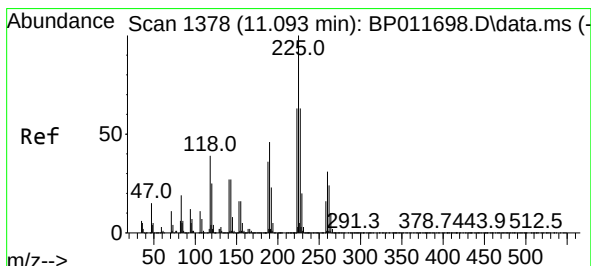
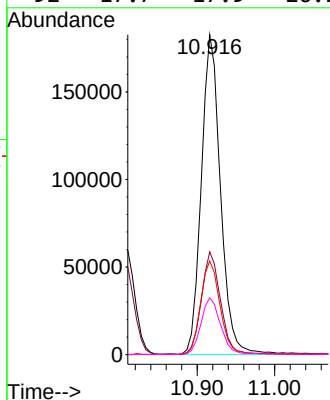
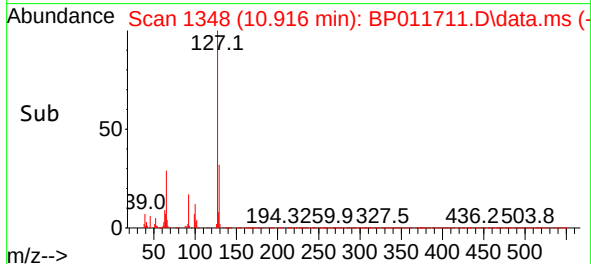
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.4	38.2
65	29.3	30.4	45.6
92	17.7	17.9	26.9

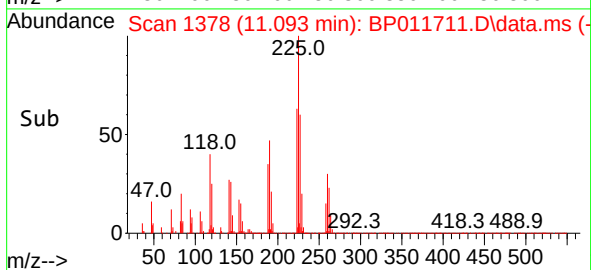
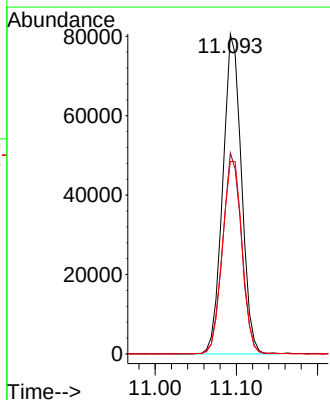
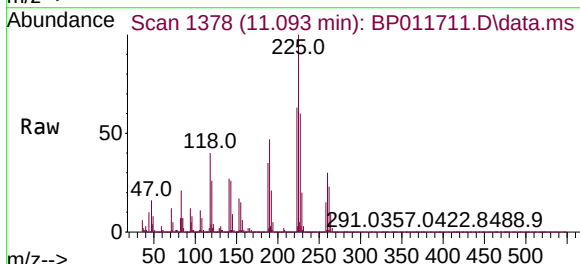
Manual Integrations
APPROVED

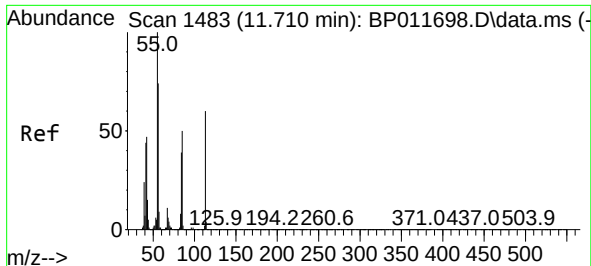
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#34
Hexachlorobutadiene
Concen: 9.894 ng
RT: 11.093 min Scan# 1378
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

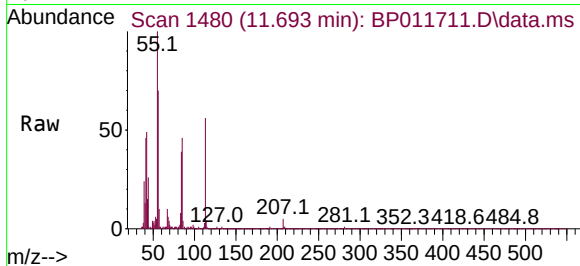
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	52.2	78.4
227	60.2	50.8	76.2





#35
Caprolactam
Concen: 7.720 ng
RT: 11.693 min Scan# 1480
Delta R.T. -0.018 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

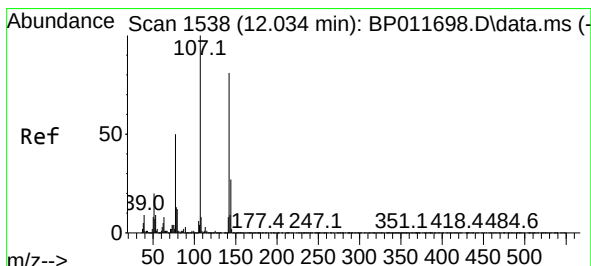
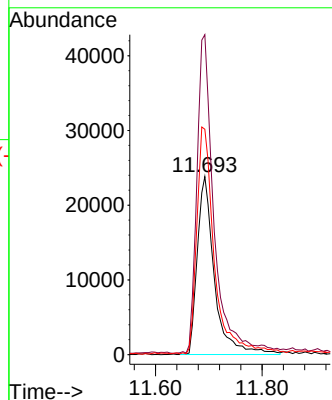
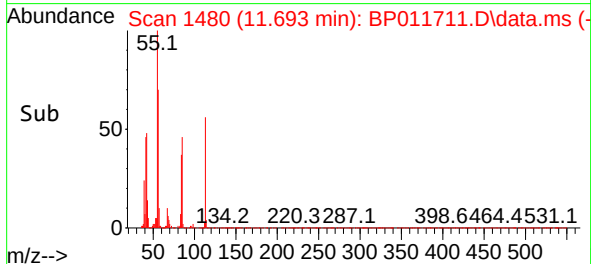
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion:113 Resp: 53111
Ion Ratio Lower Upper
113 100
55 179.8 198.6 238.6
56 126.6 142.7 182.7

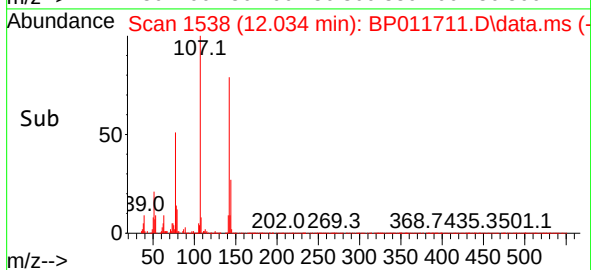
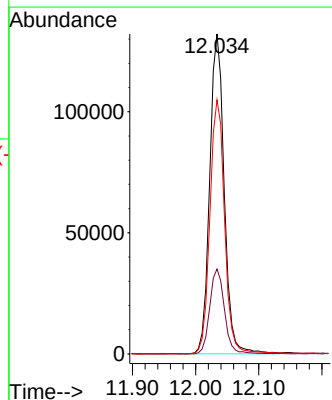
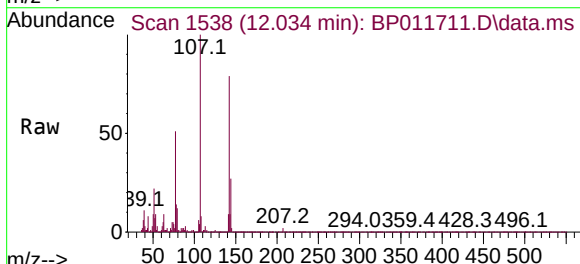
Manual Integrations
APPROVED

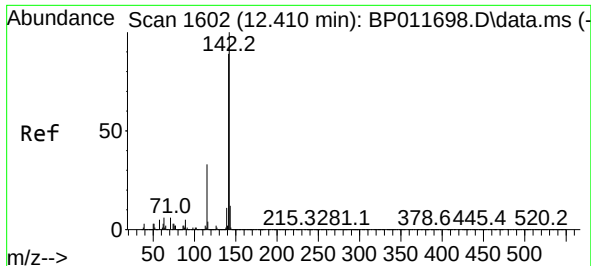
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#36
4-Chloro-3-methylphenol
Concen: 9.217 ng
RT: 12.034 min Scan# 1538
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

Tgt Ion:107 Resp: 210472
Ion Ratio Lower Upper
107 100
144 26.5 19.8 29.6
142 79.4 59.0 88.4





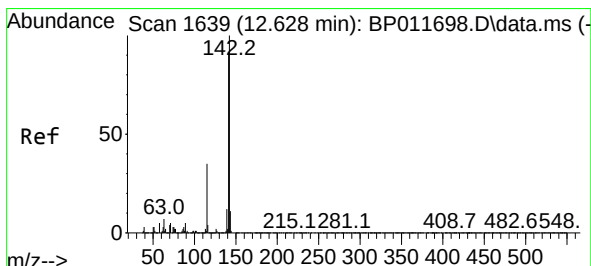
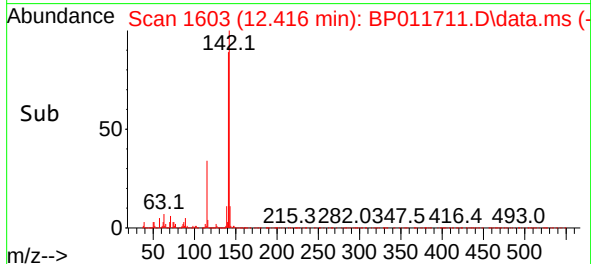
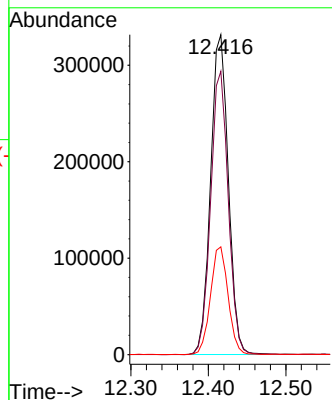
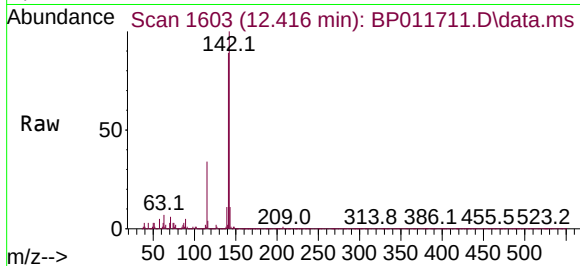
#37
2-Methylnaphthalene
Concen: 9.886 ng
RT: 12.416 min Scan# 1602
Delta R.T. 0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

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

Tgt Ion:142 Resp: 527739
Ion Ratio Lower Upper
142 100
141 88.5 71.3 106.9
115 33.7 31.4 47.2

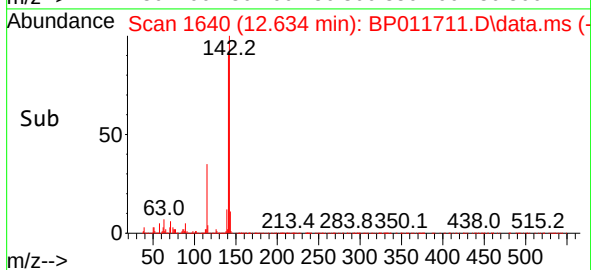
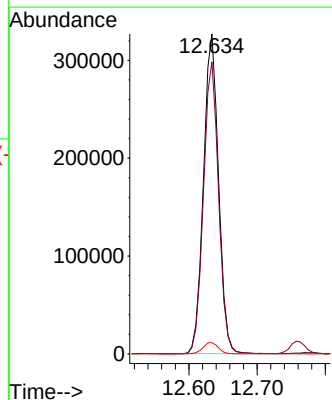
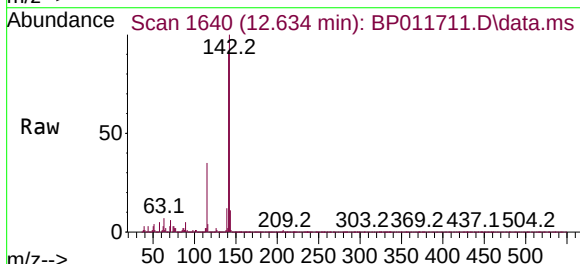
Manual Integrations
APPROVED

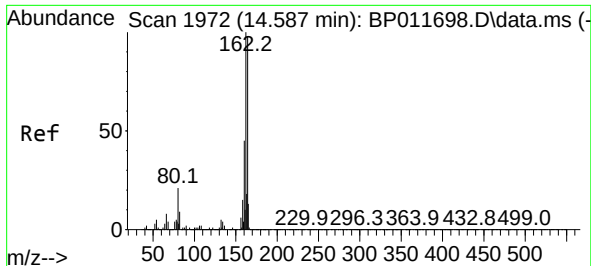
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#38
1-Methylnaphthalene
Concen: 9.617 ng
RT: 12.634 min Scan# 1640
Delta R.T. 0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

Tgt Ion:142 Resp: 501903
Ion Ratio Lower Upper
142 100
141 91.3 72.6 108.8
116 3.6 3.3 4.9





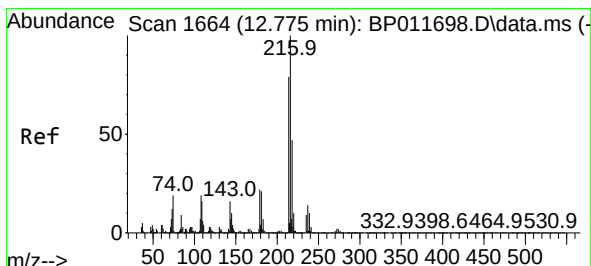
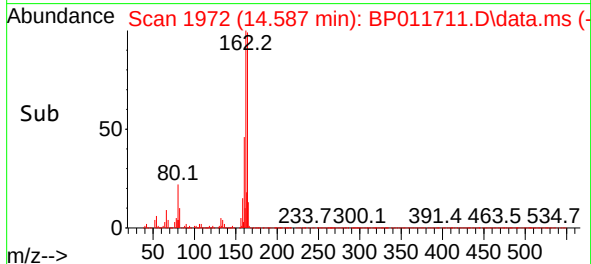
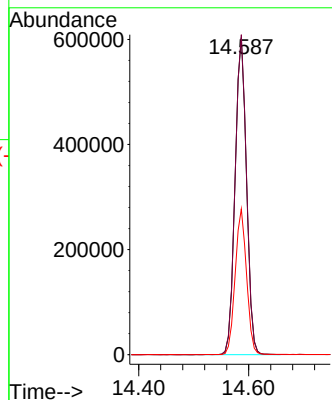
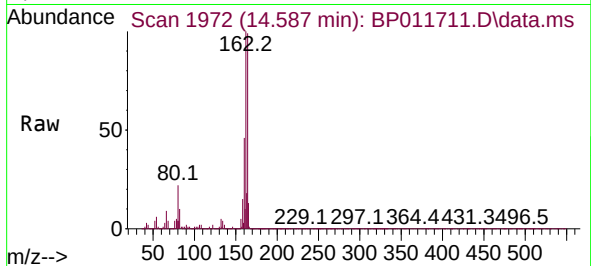
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.587 min Scan# 1972
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

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

Tgt Ion:164 Resp: 867809
Ion Ratio Lower Upper
164 100
162 100.9 81.9 122.9
160 46.0 34.6 51.8

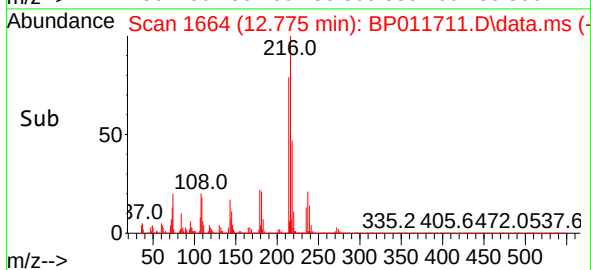
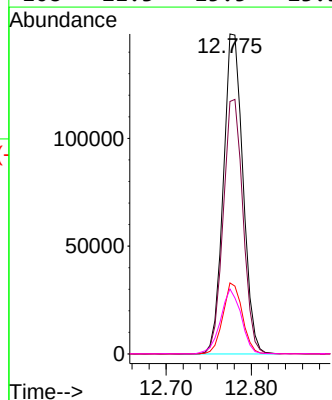
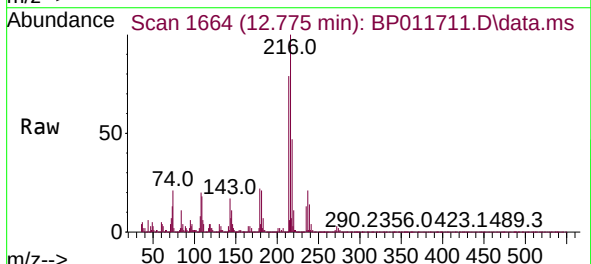
Manual Integrations
APPROVED

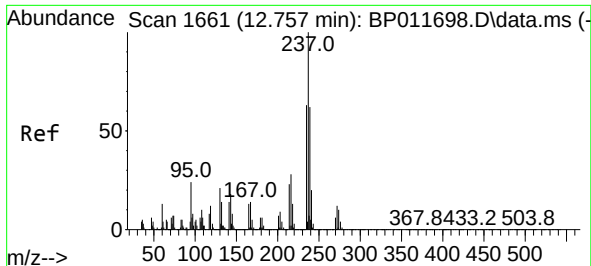
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.354 ng
RT: 12.775 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

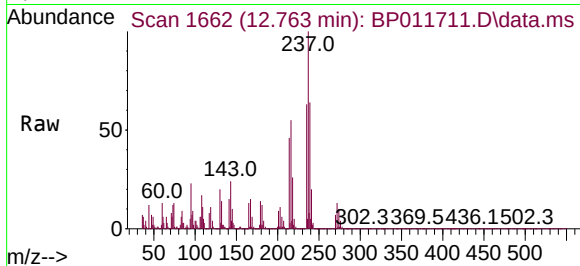
Tgt Ion:216 Resp: 237135
Ion Ratio Lower Upper
216 100
214 80.0 61.9 92.9
179 21.9 17.0 25.6
108 21.3 15.5 23.3





#41
Hexachlorocyclopentadiene
Concen: 11.283 ng
RT: 12.763 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

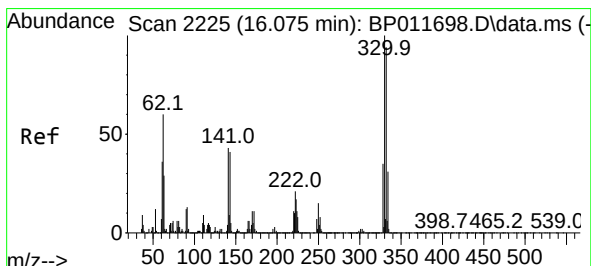
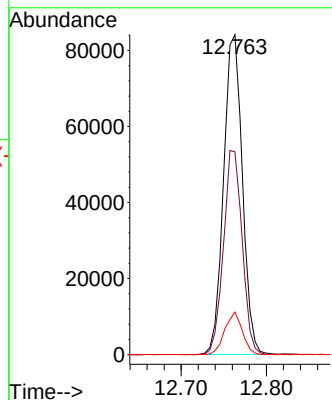
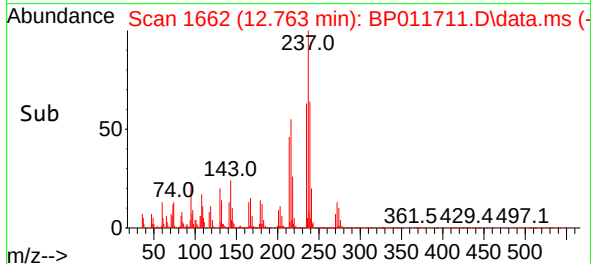
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



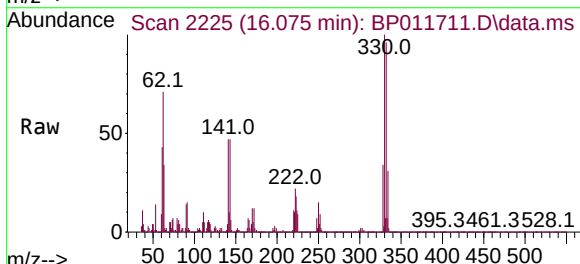
Tgt Ion: 237 Resp: 128985
Ion Ratio Lower Upper
237 100
235 63.4 43.3 83.3
272 13.3 0.0 33.0

Manual Integrations
APPROVED

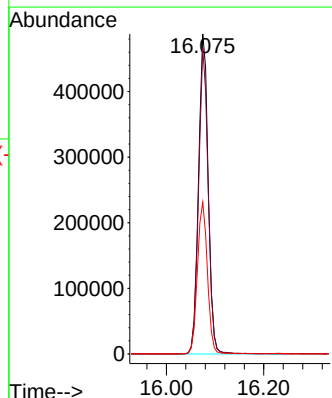
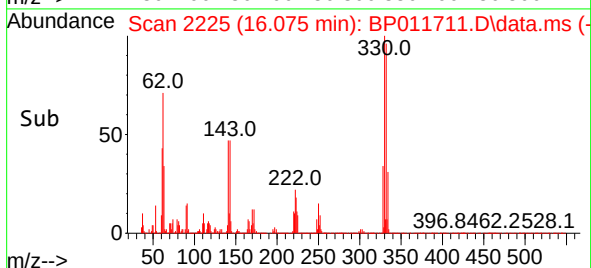
Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022

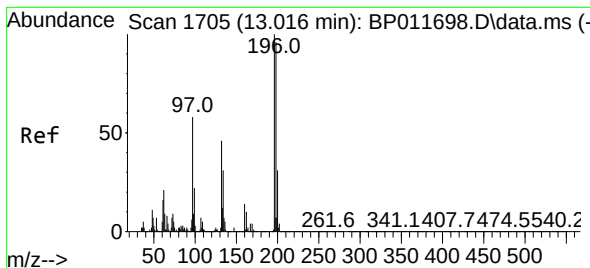


#42
2,4,6-Tribromophenol
Concen: 98.904 ng
RT: 16.075 min Scan# 2225
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29



Tgt Ion: 330 Resp: 670618
Ion Ratio Lower Upper
330 100
332 94.0 78.1 117.1
141 48.7 31.4 47.2#





#43

2,4,6-Trichlorophenol

Concen: 8.859 ng

RT: 13.016 min Scan# 1705

Delta R.T. -0.000 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

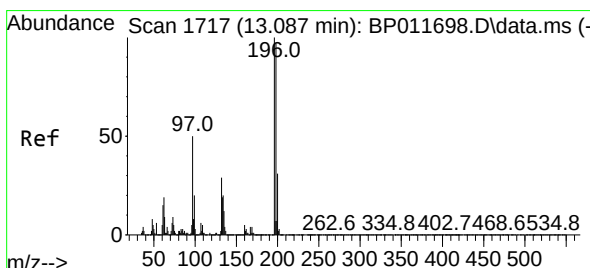
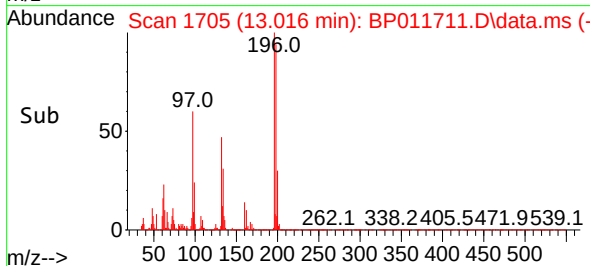
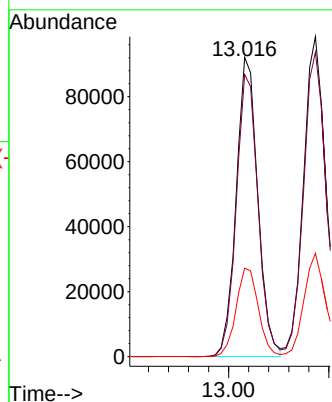
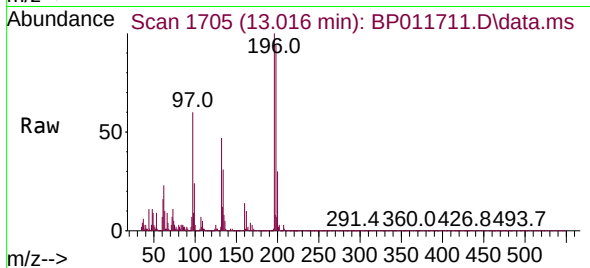
Tgt Ion:196	Resp:	13801
Ion Ratio	Lower	Upper
196	100	
198	94.2	77.7 116.5
200	29.6	25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#44

2,4,5-Trichlorophenol

Concen: 8.920 ng

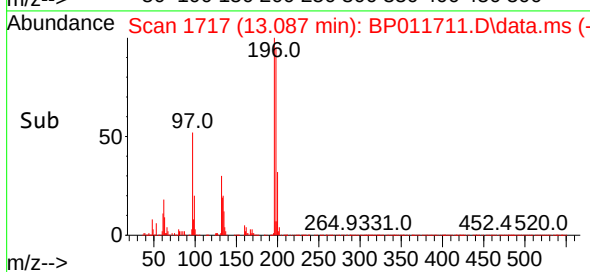
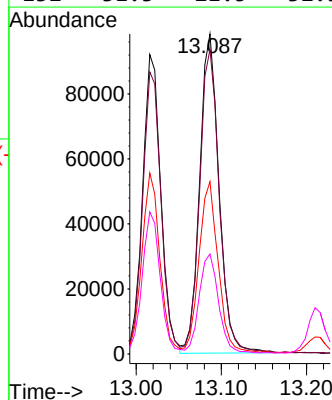
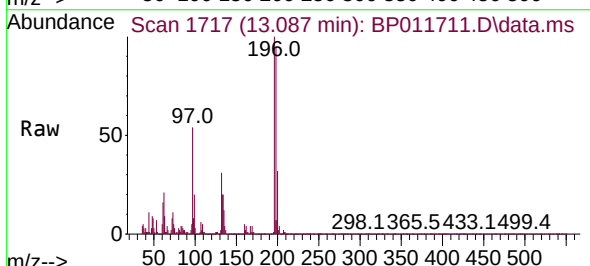
RT: 13.087 min Scan# 1717

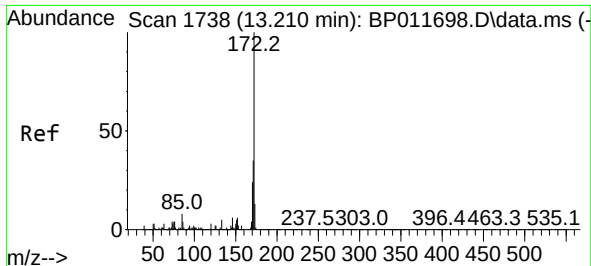
Delta R.T. -0.000 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

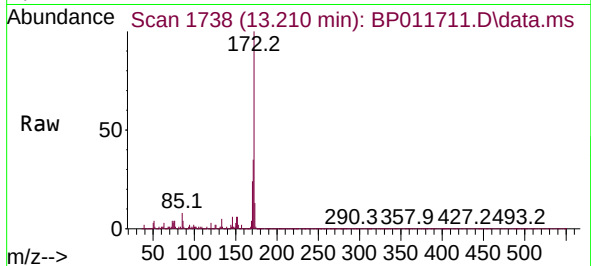
Tgt Ion:196	Resp:	155378
Ion Ratio	Lower	Upper
196	100	
198	95.1	75.7 113.5
97	53.8	42.4 63.6
132	31.3	21.5 32.3





#45
2-Fluorobiphenyl
Concen: 74.951 ng
RT: 13.210 min Scan# 1738
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

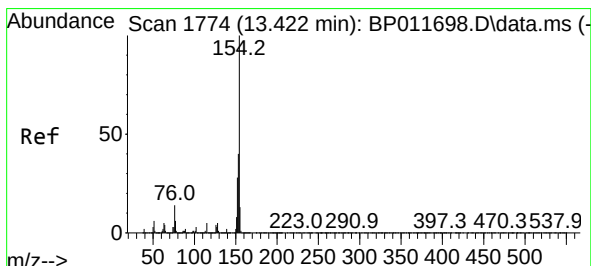
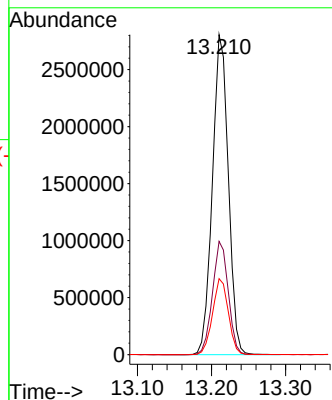
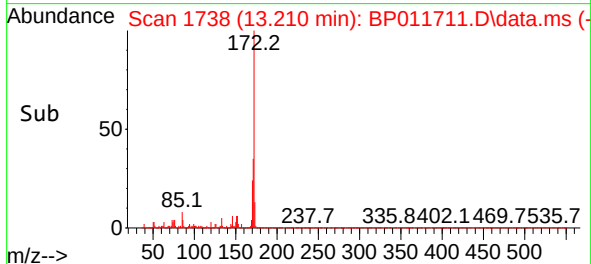
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



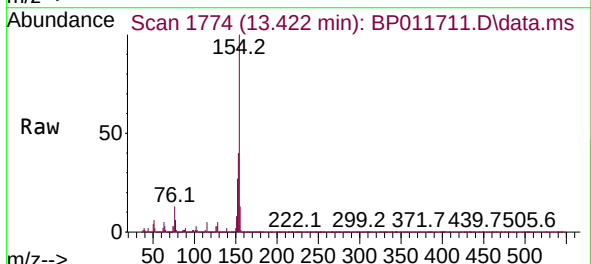
Tgt Ion:172 Resp: 418437
Ion Ratio Lower Upper
172 100
171 35.4 27.9 41.9
170 23.7 18.2 27.2

Manual Integrations
APPROVED

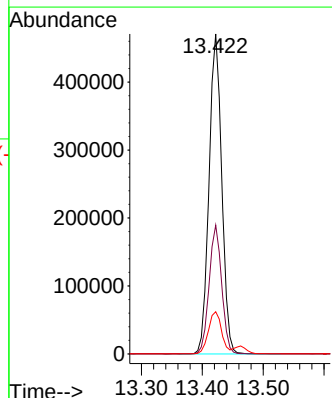
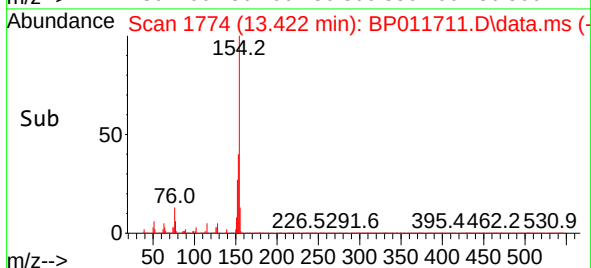
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

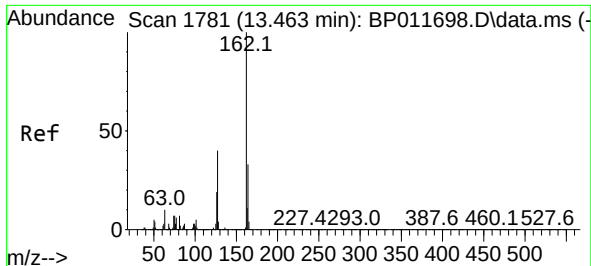


#46
1,1'-Biphenyl
Concen: 10.784 ng
RT: 13.422 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29



Tgt Ion:154 Resp: 680837
Ion Ratio Lower Upper
154 100
153 40.2 20.1 60.1
76 13.2 0.0 33.2





#47

2-Chloronaphthalene

Concen: 10.152 ng

RT: 13.463 min Scan# 1781

Delta R.T. -0.000 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

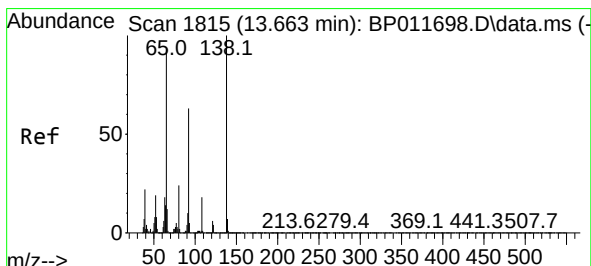
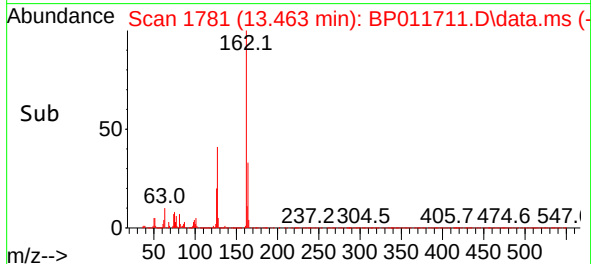
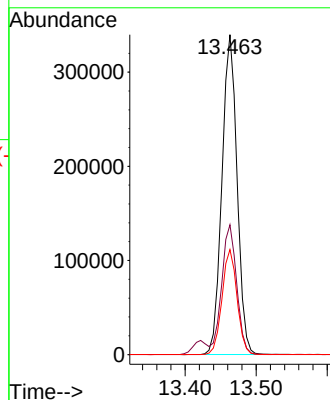
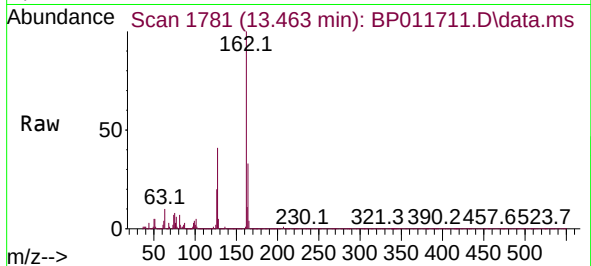
Tgt Ion:	162	Resp:	50425
Ion Ratio	Lower	Upper	
162	100		
127	40.6	32.4	48.6
164	32.9	26.3	39.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#48

2-Nitroaniline

Concen: 8.171 ng

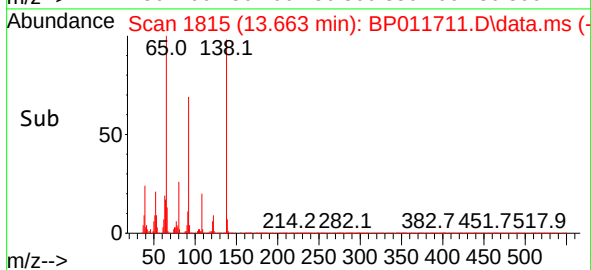
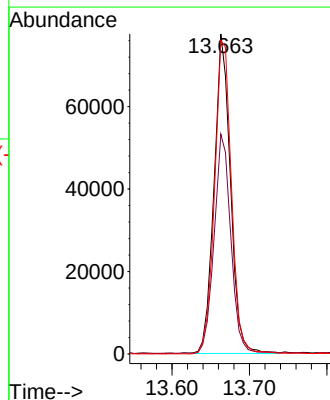
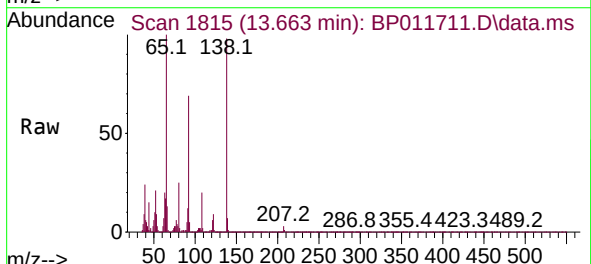
RT: 13.663 min Scan# 1815

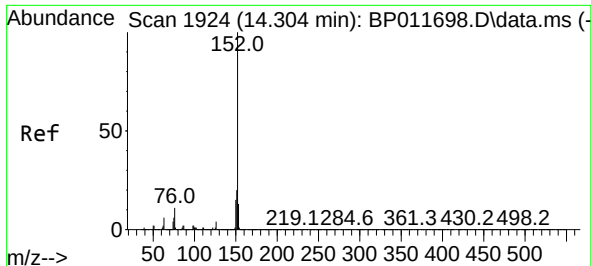
Delta R.T. -0.000 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

Tgt Ion:	65	Resp:	113815
Ion Ratio	Lower	Upper	
65	100		
92	68.7	50.0	75.0
138	98.0	71.2	106.8





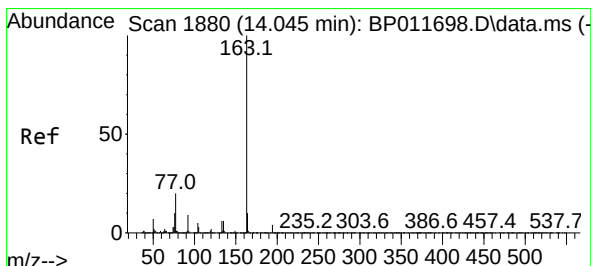
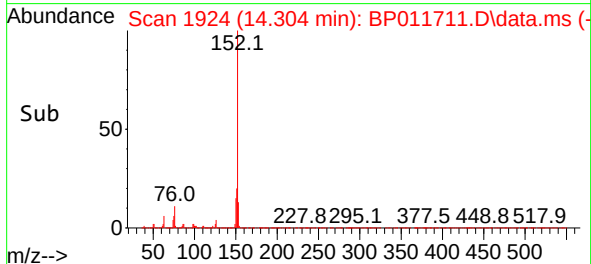
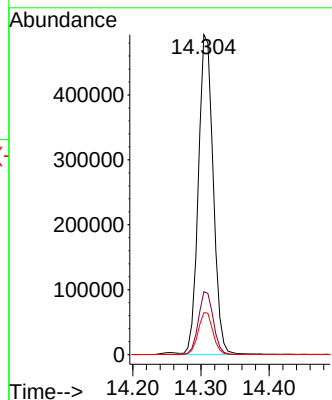
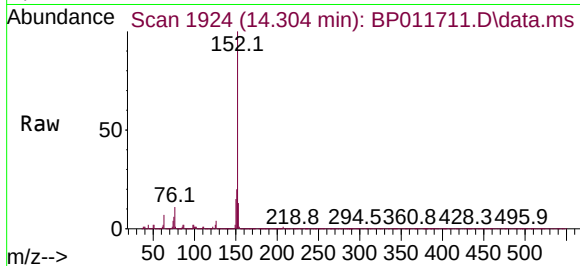
#49
Acenaphthylene
Concen: 9.651 ng
RT: 14.304 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

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

Tgt Ion:152 Resp: 741778
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.1 10.4 15.6

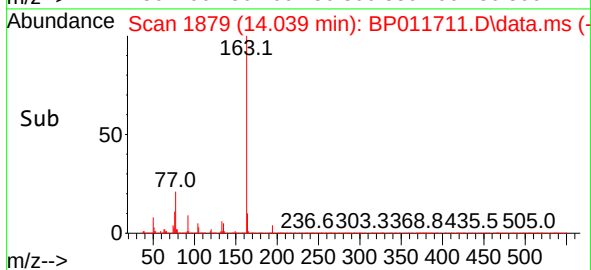
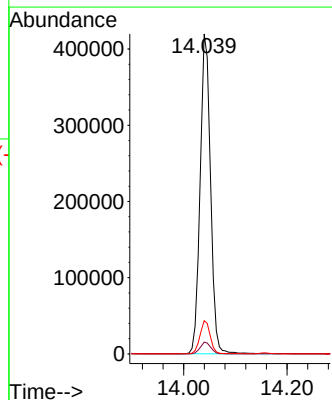
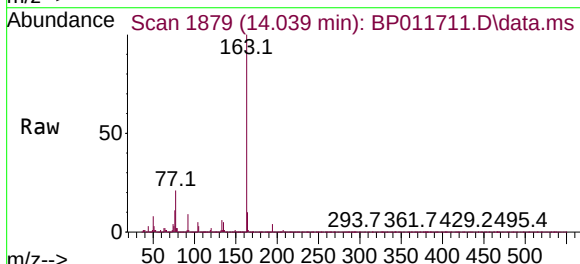
Manual Integrations
APPROVED

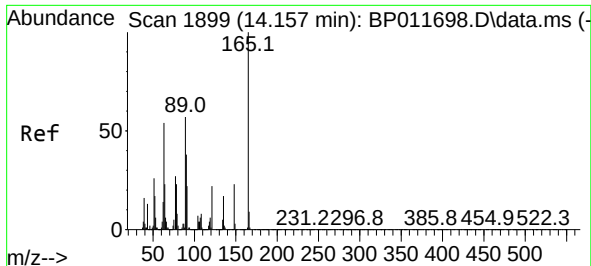
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#50
Dimethylphthalate
Concen: 9.679 ng
RT: 14.039 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

Tgt Ion:163 Resp: 585986
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 10.4 8.2 12.4





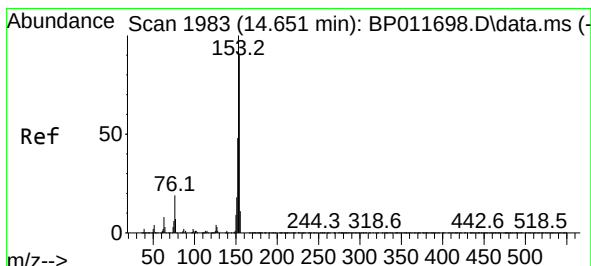
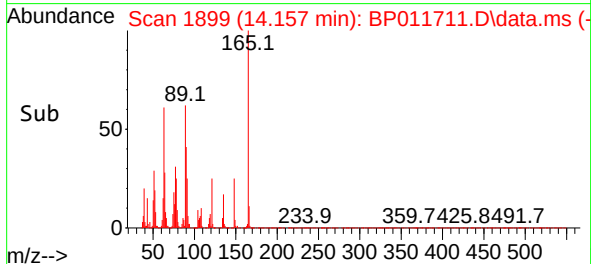
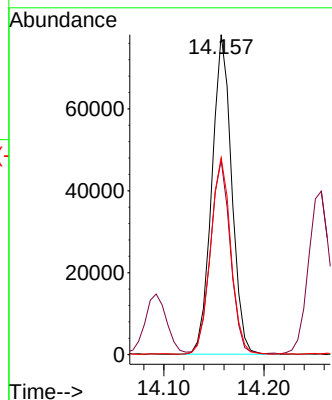
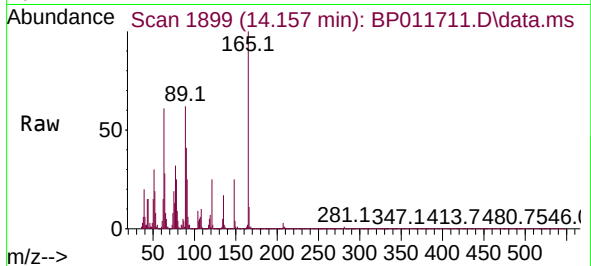
#51
2,6-Dinitrotoluene
Concen: 8.733 ng
RT: 14.157 min Scan# 1899
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

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

Tgt Ion:165 Resp: 10720
Ion Ratio Lower Upper
165 100
63 60.7 57.3 85.9
89 61.5 50.2 75.2

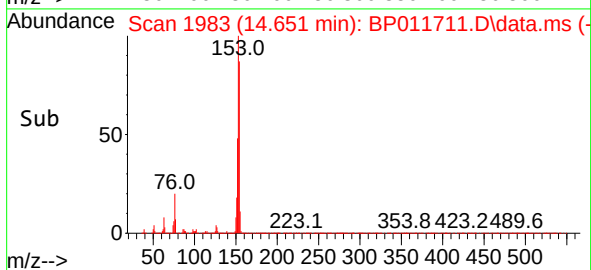
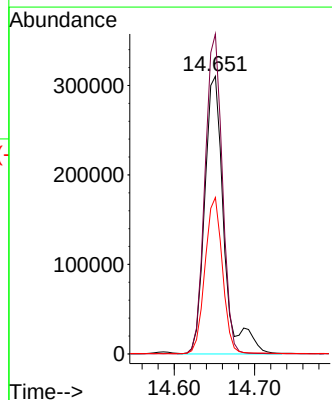
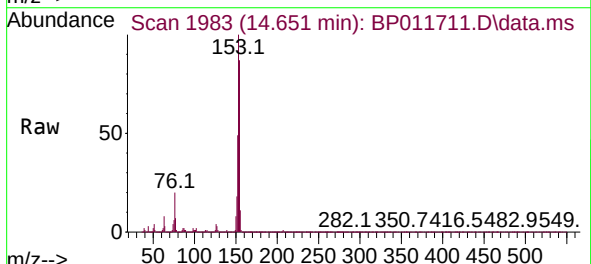
Manual Integrations
APPROVED

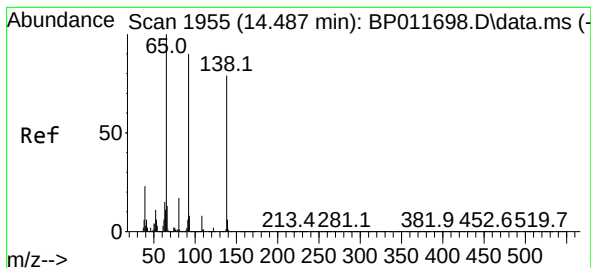
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#52
Acenaphthene
Concen: 10.073 ng m
RT: 14.651 min Scan# 1983
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

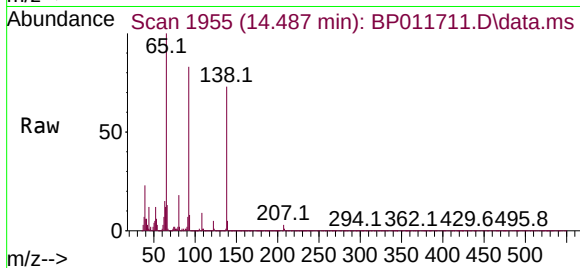
Tgt Ion:154 Resp: 514961
Ion Ratio Lower Upper
154 100
153 115.2 87.4 131.2
152 56.3 41.7 62.5





#53
3-Nitroaniline
Concen: 8.140 ng
RT: 14.487 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

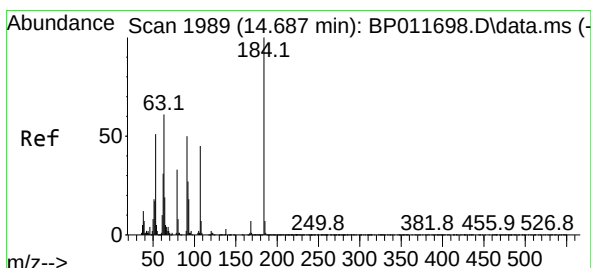
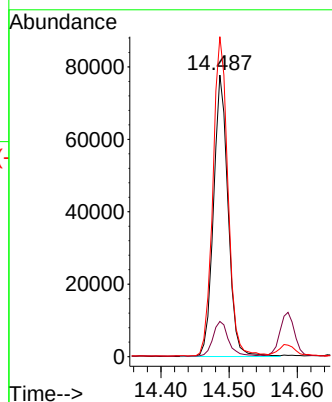
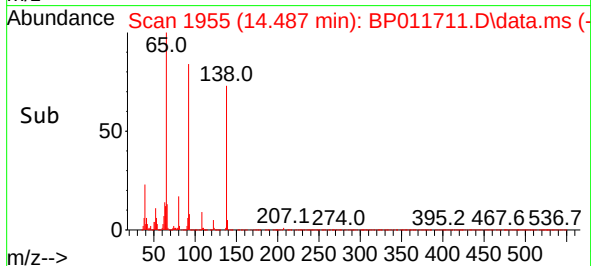
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



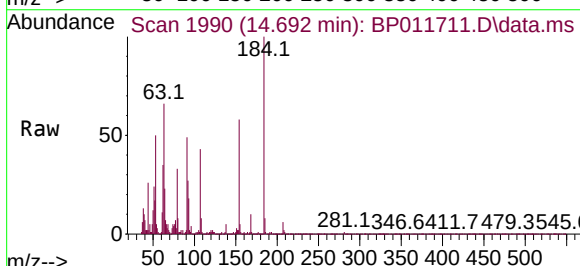
Tgt Ion:138 Resp: 11524
Ion Ratio Lower Upper
138 100
108 12.5 9.5 14.3
92 113.7 99.9 149.9

Manual Integrations
APPROVED

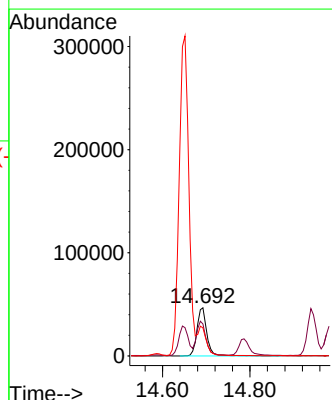
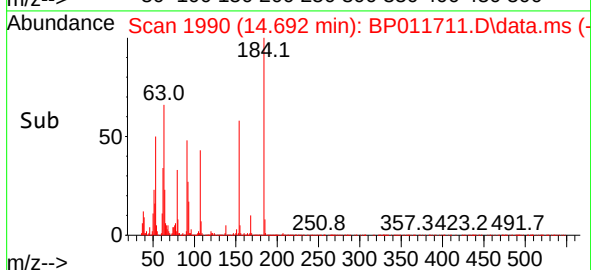
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

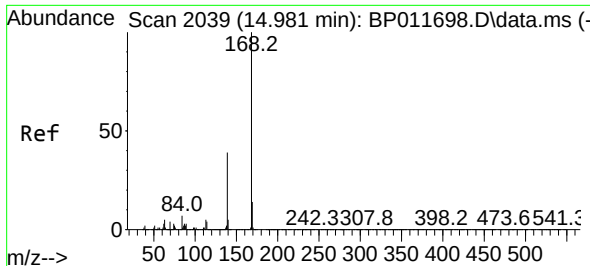


#54
2,4-Dinitrophenol
Concen: 12.099 ng
RT: 14.692 min Scan# 1990
Delta R.T. 0.005 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29



Tgt Ion:184 Resp: 72355
Ion Ratio Lower Upper
184 100
63 66.2 65.4 98.2
154 58.4 55.4 83.2





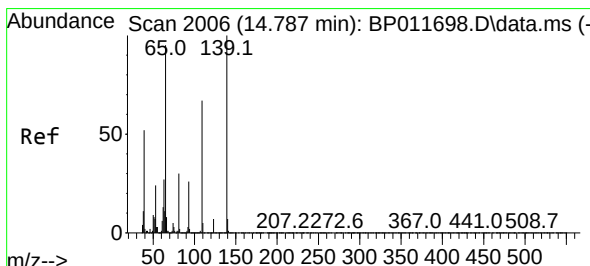
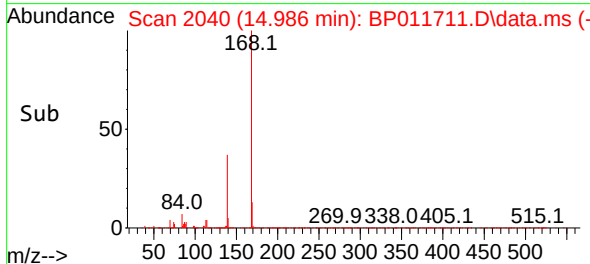
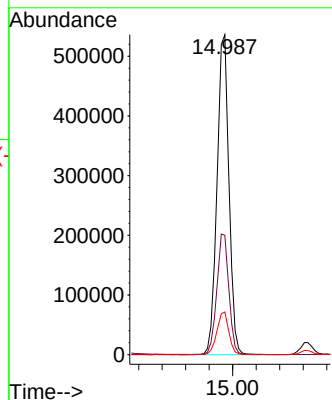
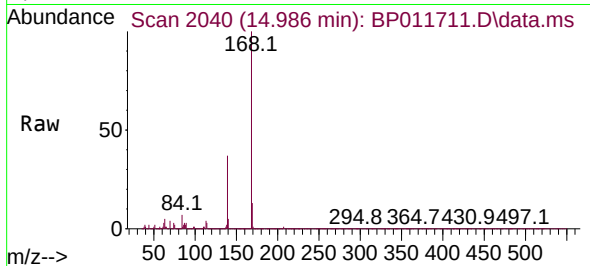
#55
Dibenzenofuran
Concen: 10.234 ng
RT: 14.986 min Scan# 2039
Delta R.T. 0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

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

Tgt Ion:168 Resp: 75345
Ion Ratio Lower Upper
168 100
139 37.3 31.5 47.3
169 13.4 10.3 15.5

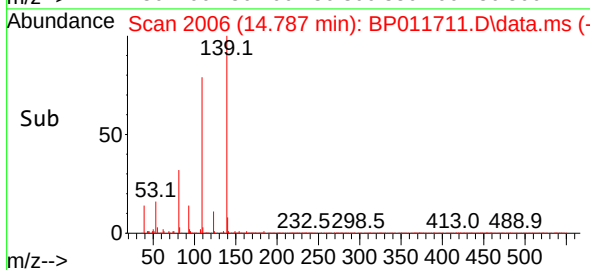
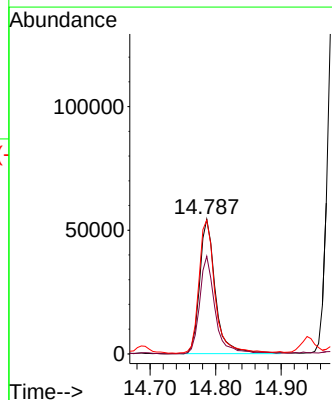
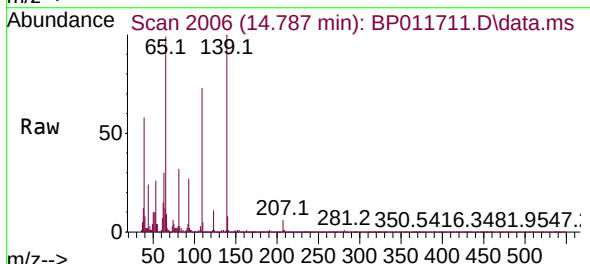
Manual Integrations
APPROVED

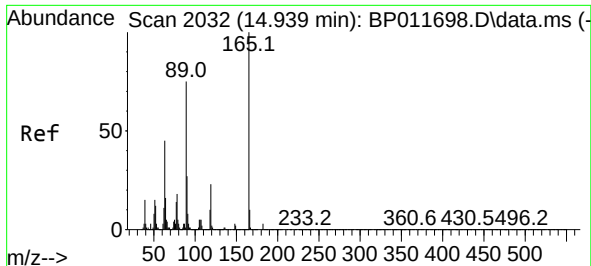
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#56
4-Nitrophenol
Concen: 7.574 ng
RT: 14.787 min Scan# 2006
Delta R.T. -0.001 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

Tgt Ion:139 Resp: 90351
Ion Ratio Lower Upper
139 100
109 72.6 70.6 110.6
65 99.5 106.6 146.6#





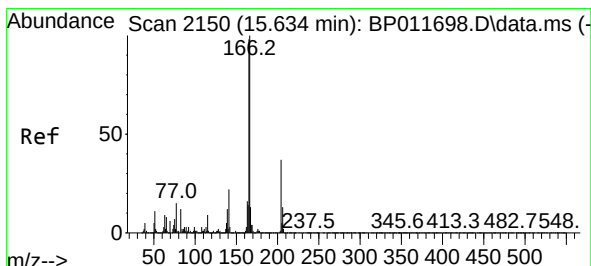
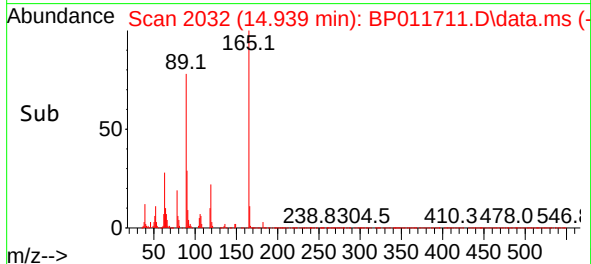
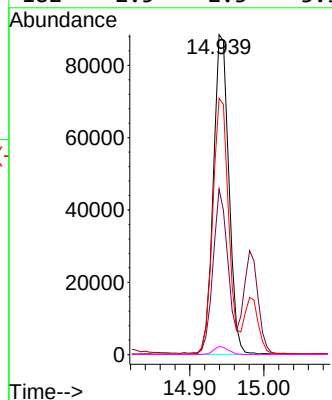
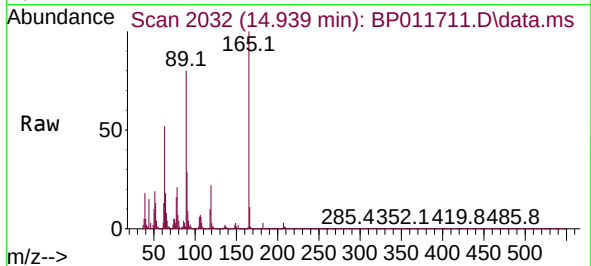
#57
2,4-Dinitrotoluene
Concen: 8.092 ng
RT: 14.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

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

Tgt Ion:165 Resp: 128684
Ion Ratio Lower Upper
165 100
63 51.8 46.2 69.2
89 80.1 65.8 98.8
182 2.5 2.3 3.5

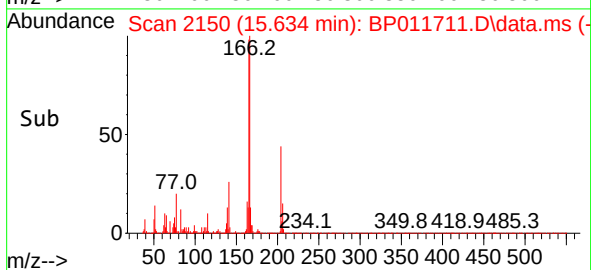
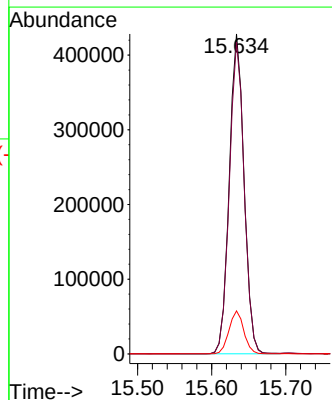
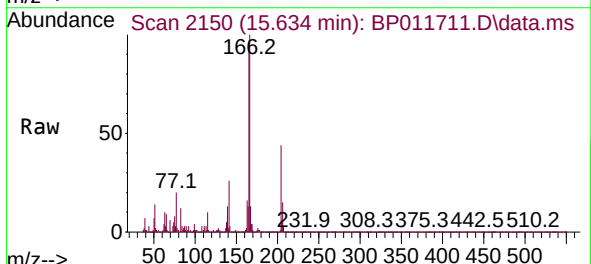
Manual Integrations
APPROVED

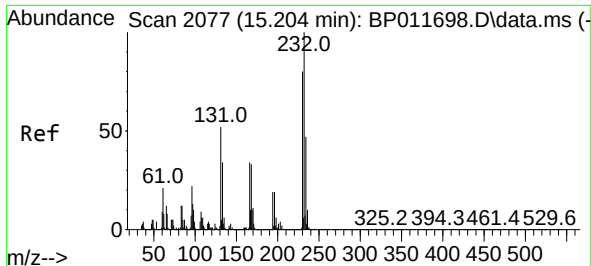
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#58
Fluorene
Concen: 9.920 ng
RT: 15.634 min Scan# 2150
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

Tgt Ion:166 Resp: 592353
Ion Ratio Lower Upper
166 100
165 97.5 77.0 115.4
167 13.4 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.346 ng

RT: 15.210 min Scan# 2077

Delta R.T. 0.006 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:232 Resp: 119436

Ion Ratio Lower Upper

232 100

131 53.3 37.0 55.6

130 2.9 2.2 3.2

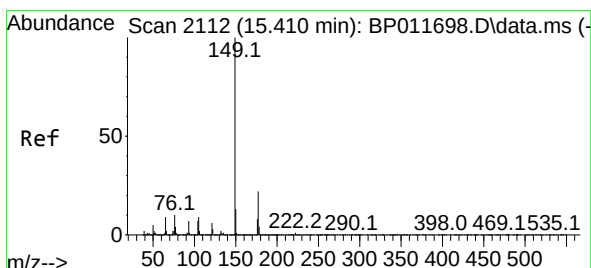
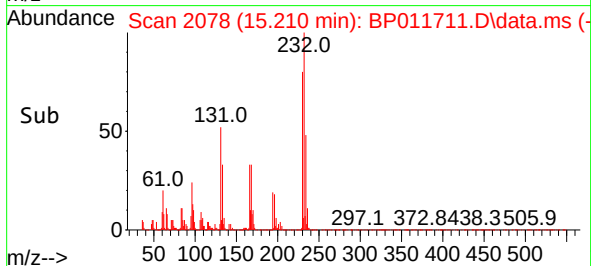
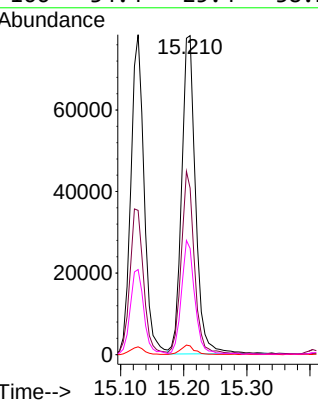
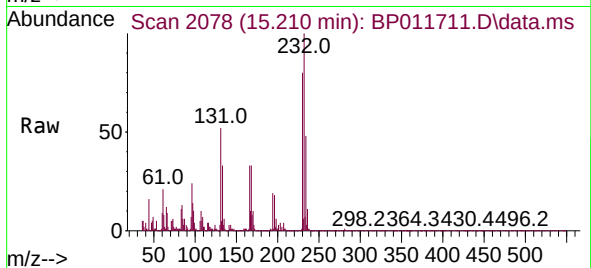
166 34.4 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#60

Diethylphthalate

Concen: 9.475 ng

RT: 15.404 min Scan# 2111

Delta R.T. -0.006 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

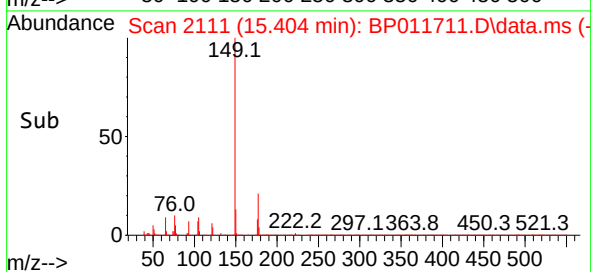
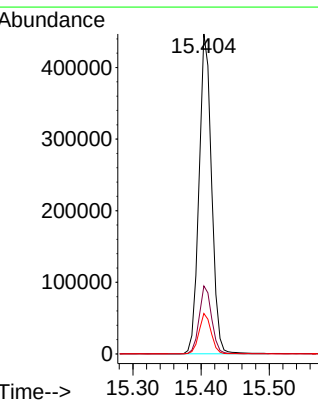
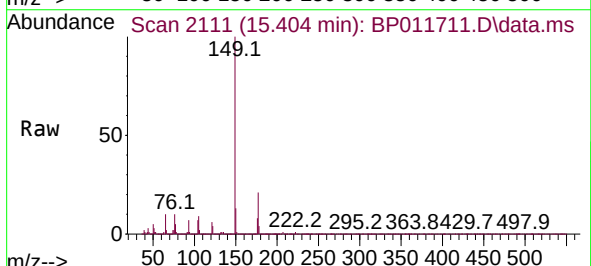
Tgt Ion:149 Resp: 571074

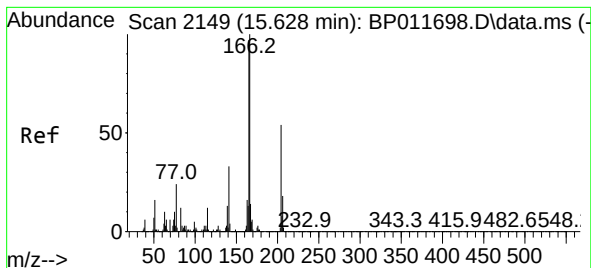
Ion Ratio Lower Upper

149 100

177 21.2 17.8 26.8

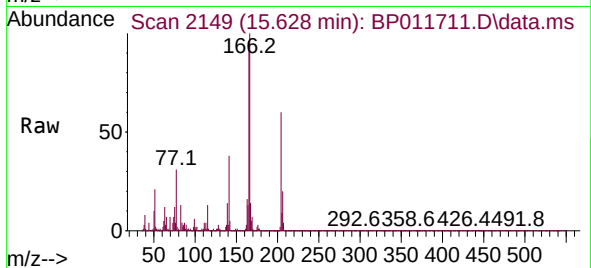
150 12.6 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 10.080 ng
RT: 15.628 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

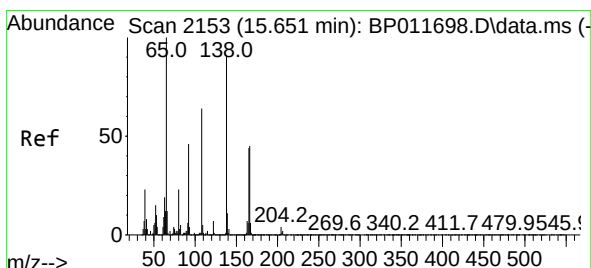
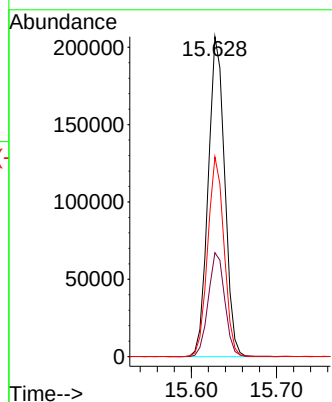
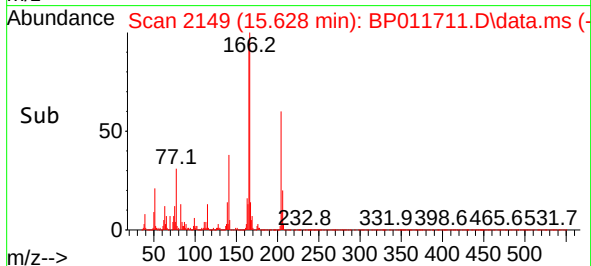
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



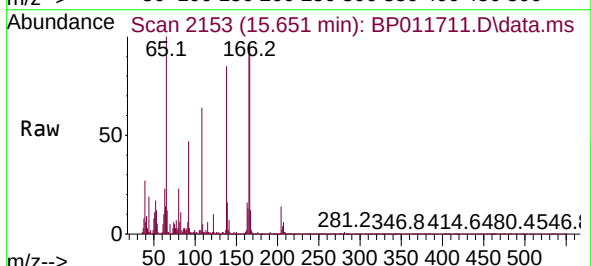
Tgt Ion: 204 Resp: 278243
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 62.4 51.1 76.7

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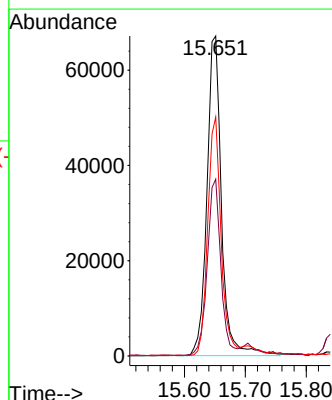
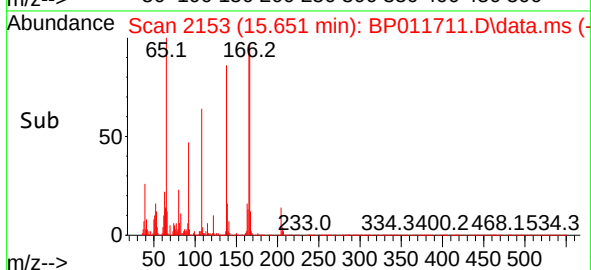
Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022

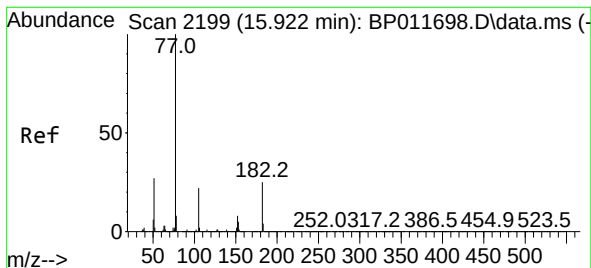


#62
4-Nitroaniline
Concen: 7.837 ng
RT: 15.651 min Scan# 2153
Delta R.T. 0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29



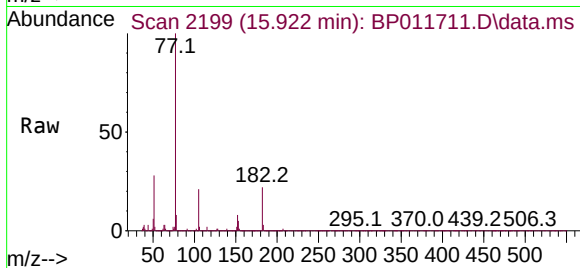
Tgt Ion: 138 Resp: 111527
Ion Ratio Lower Upper
138 100
92 55.2 38.0 78.0
108 74.6 77.6 117.6





#63
Azobenzene
Concen: 9.499 ng
RT: 15.922 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

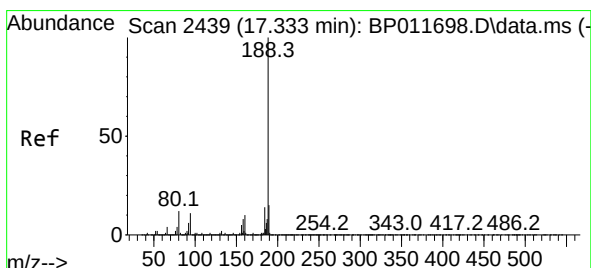
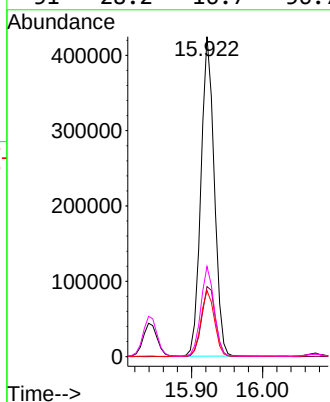
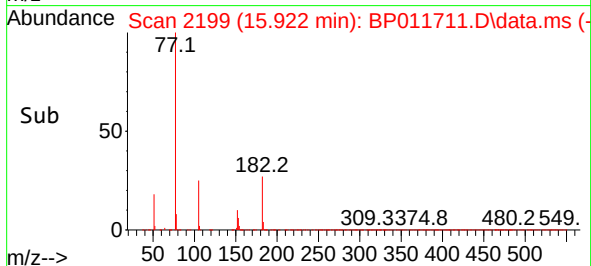
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion: 77 Resp: 550221
Ion Ratio Lower Upper
77 100
182 21.9 3.0 43.0
105 20.7 0.0 38.6
51 28.2 16.7 56.7

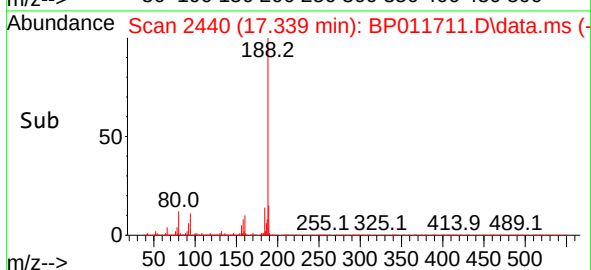
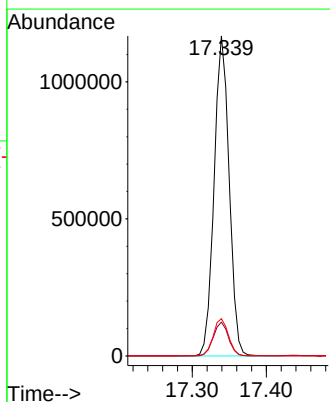
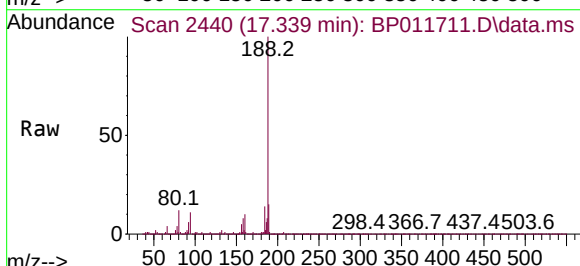
Manual Integrations
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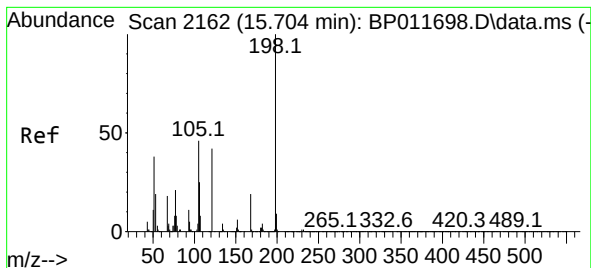
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2440
Delta R.T. 0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

Tgt Ion:188 Resp: 1646230
Ion Ratio Lower Upper
188 100
94 10.5 6.6 10.0#
80 11.6 8.0 12.0





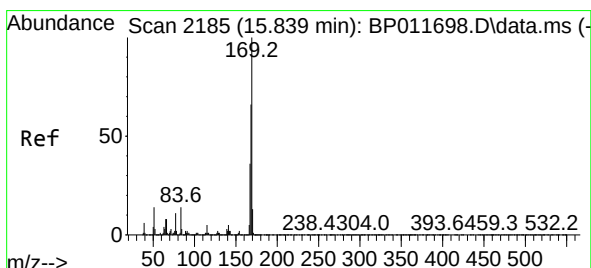
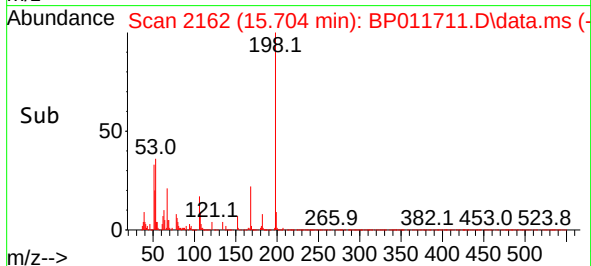
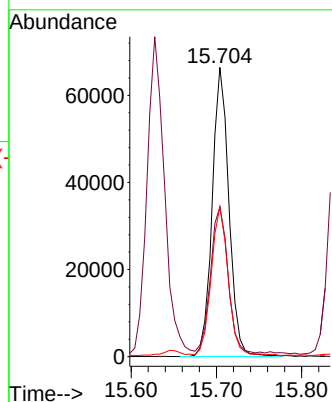
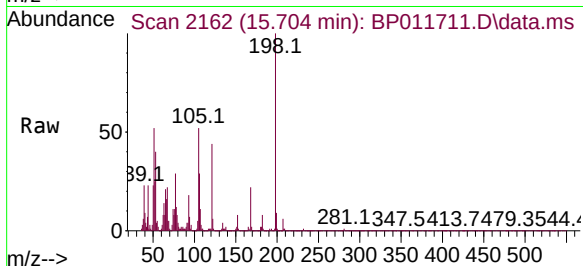
#65
4,6-Dinitro-2-methylphenol
Concen: 11.231 ng
RT: 15.704 min Scan# 2162
Delta R.T. 0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

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

Tgt Ion:198 Resp: 90418
Ion Ratio Lower Upper
198 100
51 51.8 41.2 81.2
105 51.7 25.3 65.3

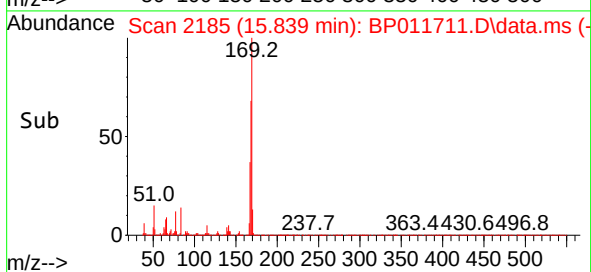
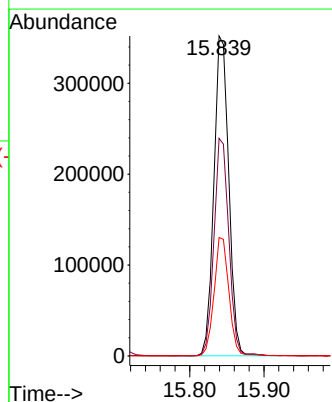
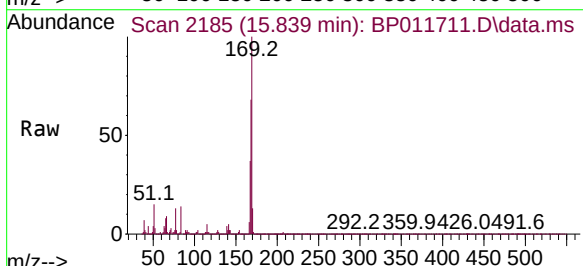
Manual Integrations
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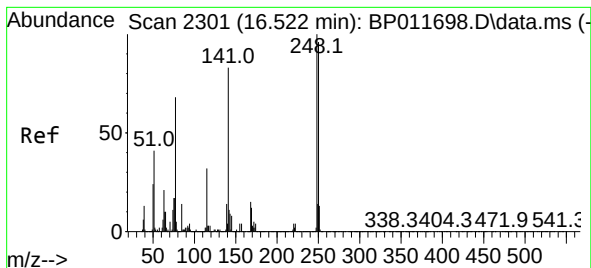
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#66
n-Nitrosodiphenylamine
Concen: 10.010 ng
RT: 15.839 min Scan# 2185
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

Tgt Ion:169 Resp: 490293
Ion Ratio Lower Upper
169 100
168 68.0 51.8 77.8
167 37.0 28.3 42.5





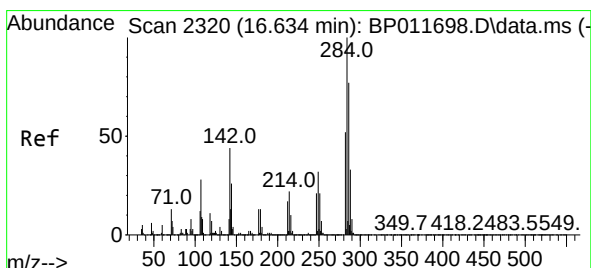
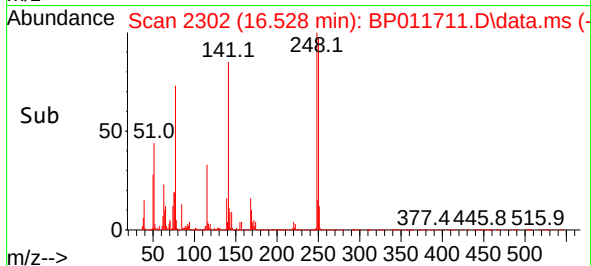
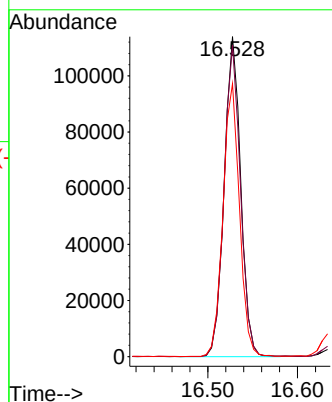
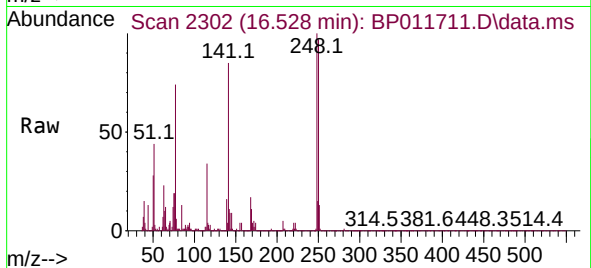
#67
4-Bromophenyl-phenylether
Concen: 9.468 ng
RT: 16.528 min Scan# 2301
Delta R.T. 0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

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

Tgt Ion:248 Resp: 145906
Ion Ratio Lower Upper
248 100
250 97.2 77.7 116.5
141 85.3 62.0 93.0

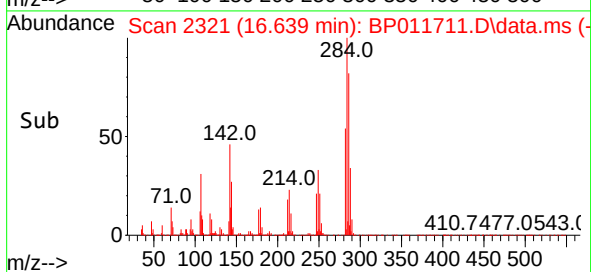
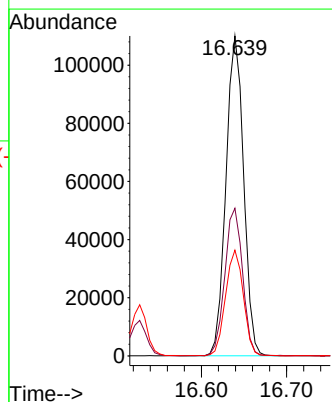
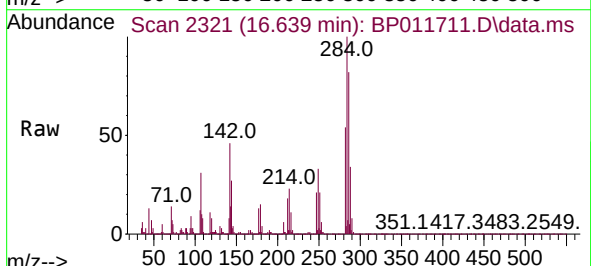
Manual Integrations
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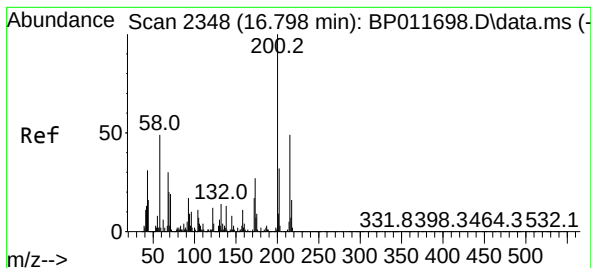
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#68
Hexachlorobenzene
Concen: 9.553 ng
RT: 16.639 min Scan# 2321
Delta R.T. 0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

Tgt Ion:284 Resp: 158559
Ion Ratio Lower Upper
284 100
142 46.1 30.8 46.2
249 33.0 26.8 40.2





#69

Atrazine

Concen: 9.610 ng

RT: 16.798 min Scan# 2348

Delta R.T. -0.000 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:200 Resp: 143680

Ion Ratio Lower Upper

200 100

173 28.3 5.3 45.3

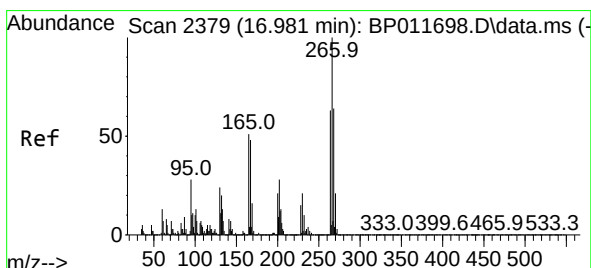
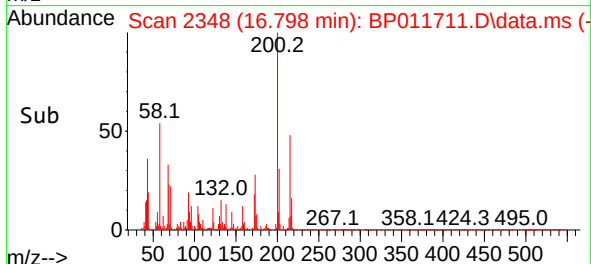
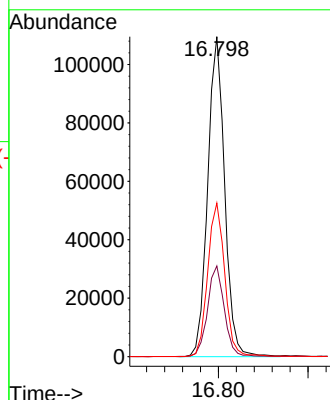
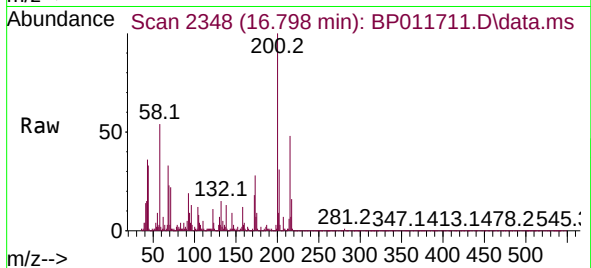
215 48.0 29.4 69.4

Manual Integrations

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Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#70

Pentachlorophenol

Concen: 11.204 ng

RT: 16.986 min Scan# 2380

Delta R.T. 0.005 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

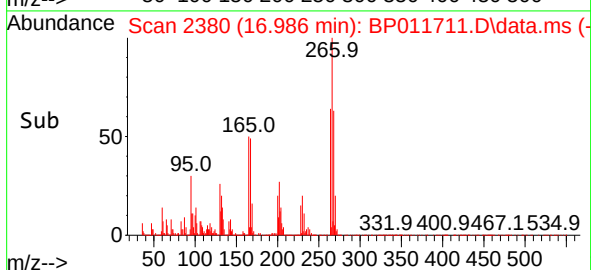
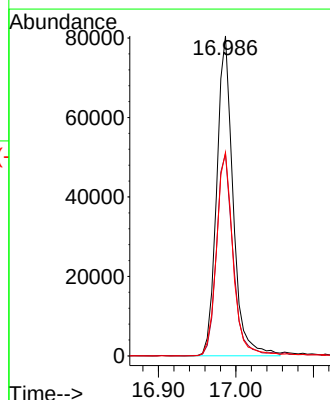
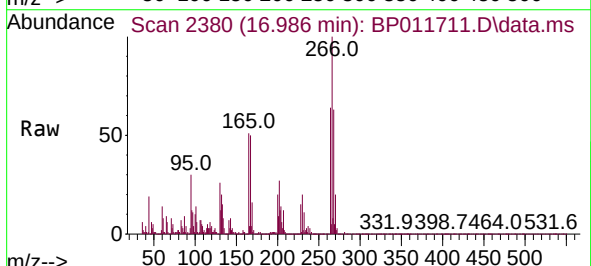
Tgt Ion:266 Resp: 117964

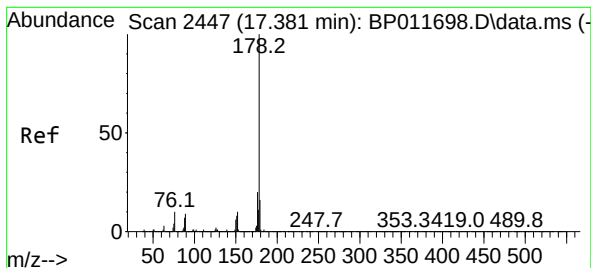
Ion Ratio Lower Upper

266 100

268 63.2 50.5 75.7

264 63.6 50.4 75.6





#71

Phenanthrene

Concen: 9.926 ng

RT: 17.380 min Scan# 2447

Delta R.T. -0.000 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

Instrument :

BNA_P

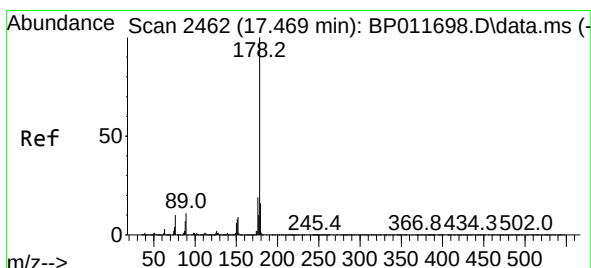
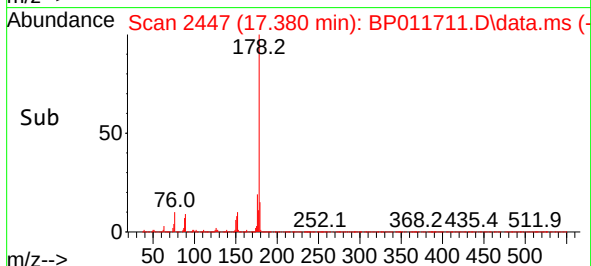
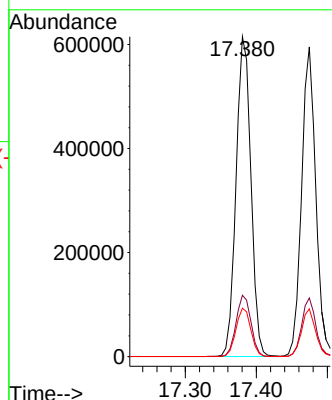
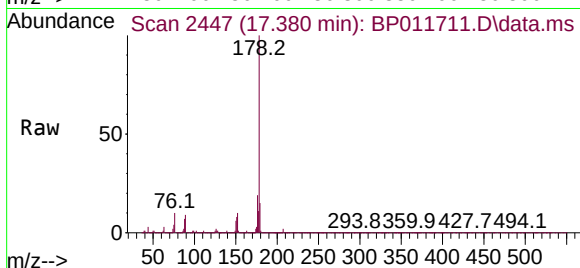
ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:178 Resp: 889175
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.7 22.1
 179 15.1 12.2 18.2

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Reviewed By :Christian Giraldo 09/16/2022
 Supervised By :Jagrut Upadhyay 09/16/2022



#72

Anthracene

Concen: 9.888 ng

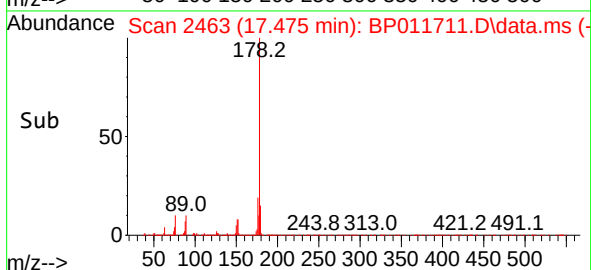
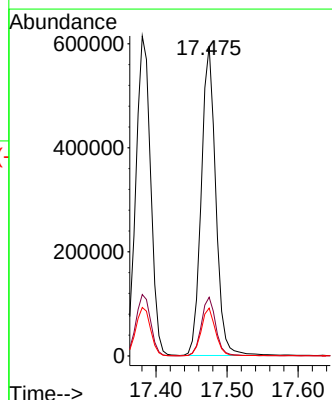
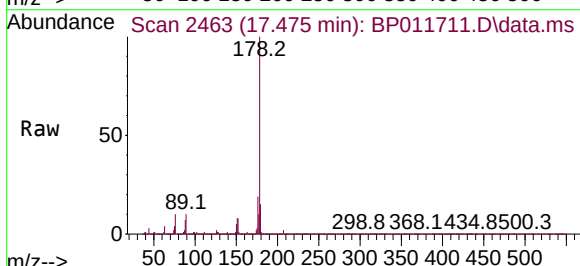
RT: 17.475 min Scan# 2463

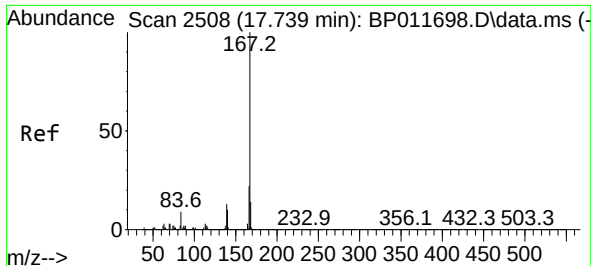
Delta R.T. 0.006 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

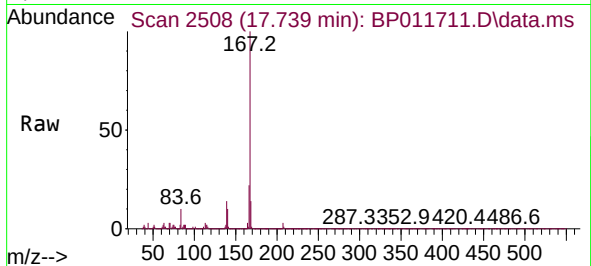
Tgt Ion:178 Resp: 837698
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.5 21.7
 179 15.4 12.2 18.4





#73
 Carbazole
 Concen: 9.839 ng
 RT: 17.739 min Scan# 2508
 Delta R.T. -0.000 min
 Lab File: BP011711.D
 Acq: 15 Sep 2022 17:29

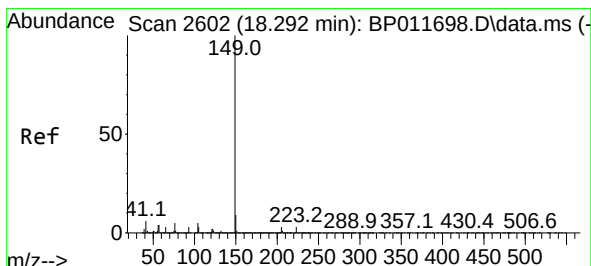
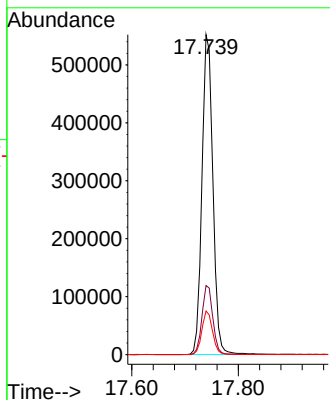
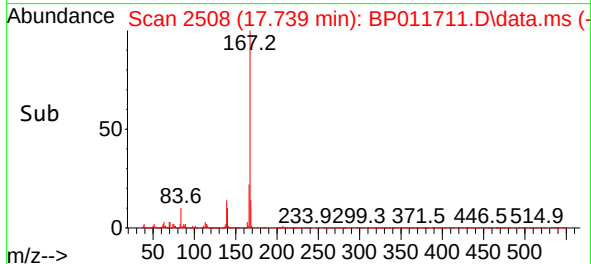
Instrument : BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022



Tgt Ion:167 Resp: 78634
 Ion Ratio Lower Upper
 167 100
 166 21.6 16.9 25.3
 139 13.6 10.6 15.8

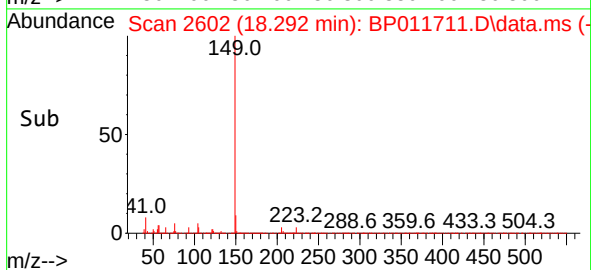
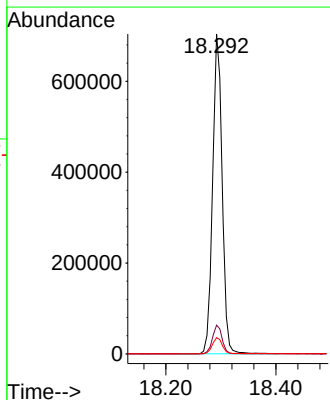
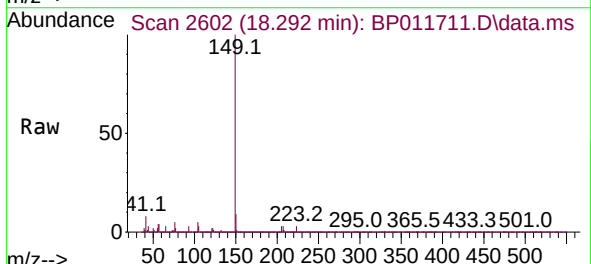
Manual Integrations
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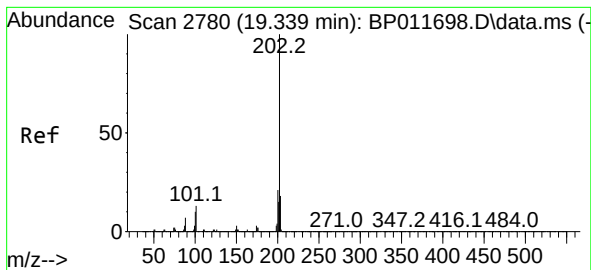
Reviewed By :Christian Giraldo 09/16/2022
 Supervised By :Jagrut Upadhyay 09/16/2022



#74
 Di-n-butylphthalate
 Concen: 8.797 ng
 RT: 18.292 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: BP011711.D
 Acq: 15 Sep 2022 17:29

Tgt Ion:149 Resp: 847416
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.5 11.3
 104 5.1 4.8 7.2





#75

Fluoranthene

Concen: 9.487 ng

RT: 19.345 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

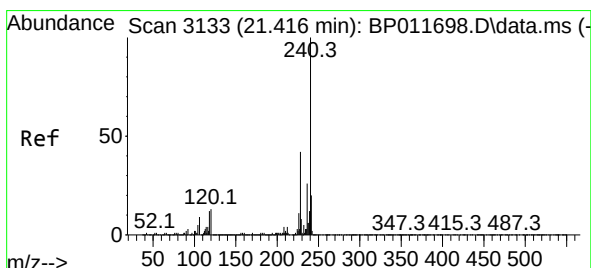
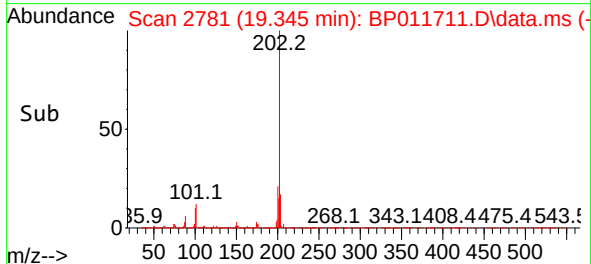
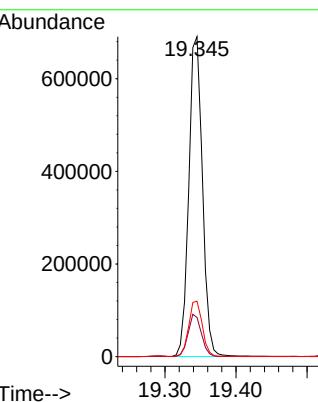
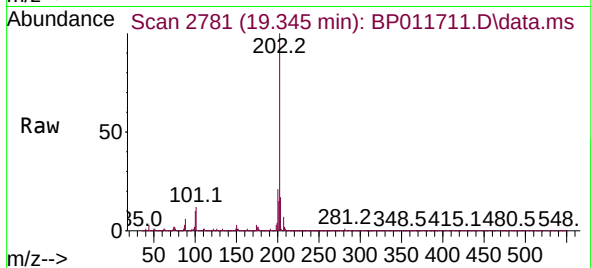
Tgt Ion:	202	Resp:	916478
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	29.6
203	17.3	0.0	36.9

Manual Integrations

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Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#76

Chrysene-d12

Concen: 20.000 ng

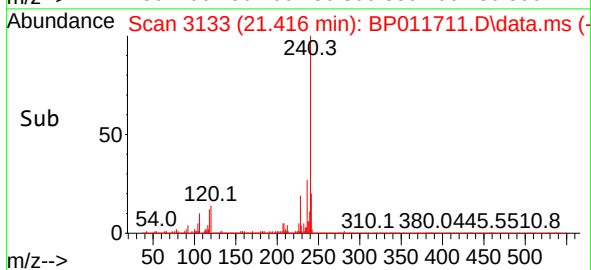
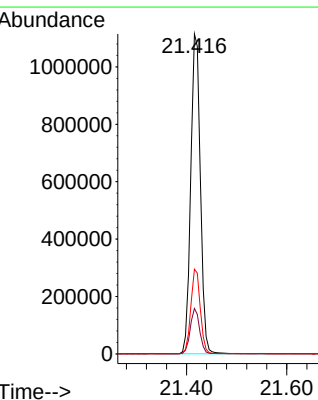
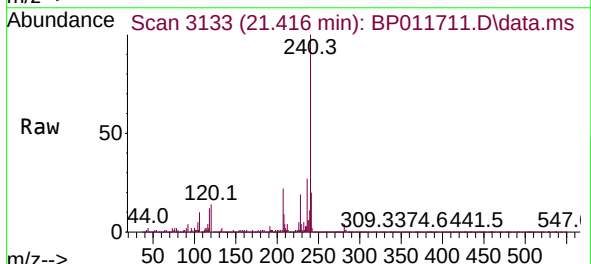
RT: 21.416 min Scan# 3133

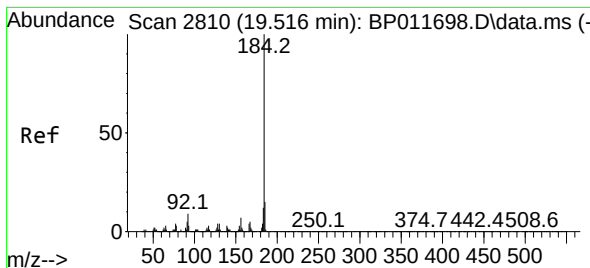
Delta R.T. -0.000 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

Tgt Ion:	240	Resp:	1492174
Ion Ratio	Lower	Upper	
240	100		
120	14.2	8.6	12.8
236	26.5	19.8	29.6





#77

Benzidine

Concen: 11.918 ng

RT: 19.522 min Scan# 2811

Delta R.T. 0.006 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:184 Resp: 422928

Ion Ratio Lower Upper

184 100

185 14.4 10.7 16.1

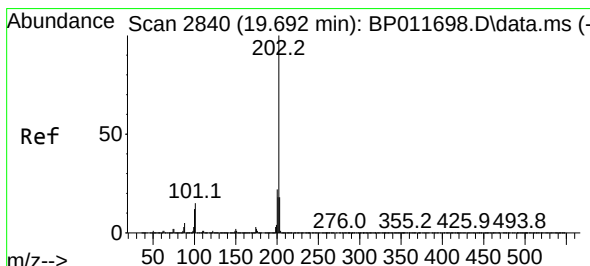
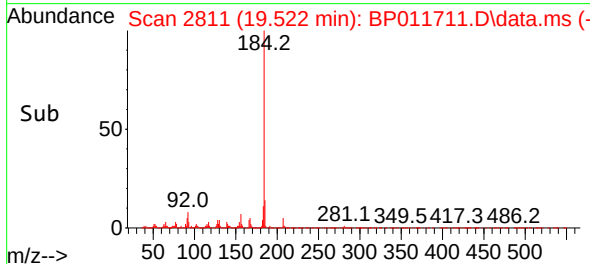
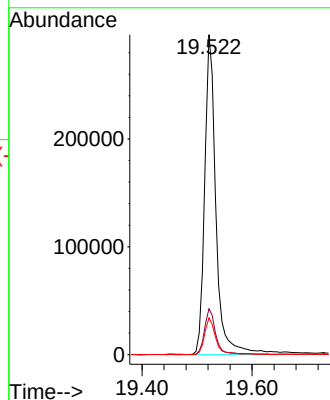
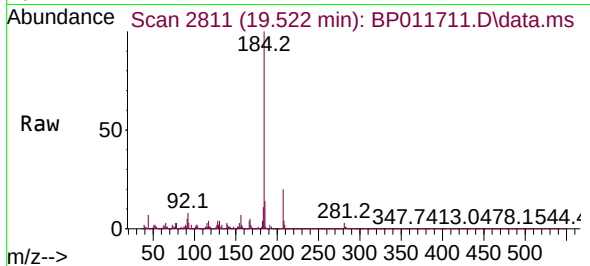
183 11.5 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#78

Pyrene

Concen: 9.628 ng

RT: 19.692 min Scan# 2840

Delta R.T. -0.000 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

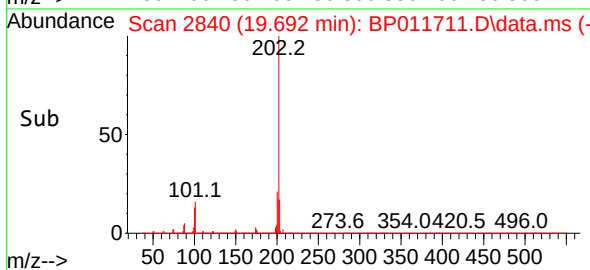
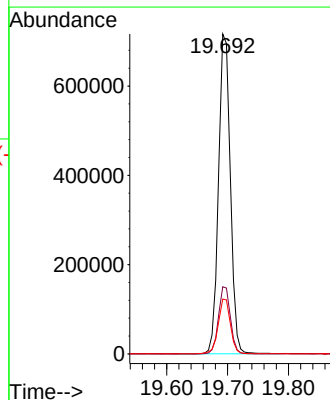
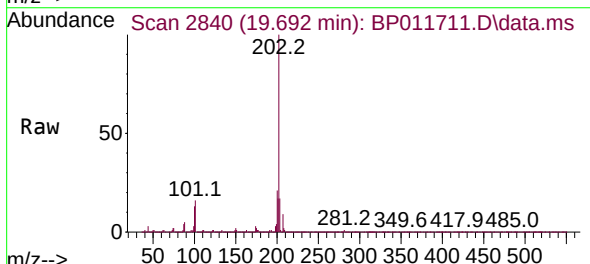
Tgt Ion:202 Resp: 968986

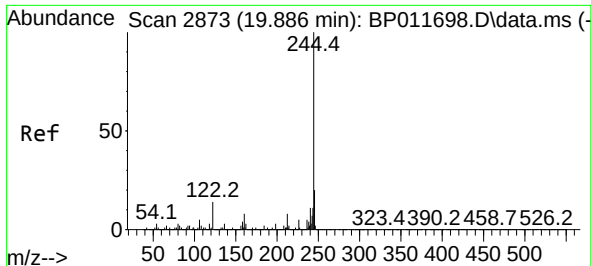
Ion Ratio Lower Upper

202 100

200 21.0 16.3 24.5

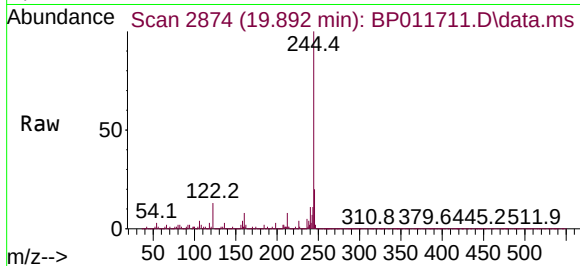
203 17.1 14.2 21.4





#79
 Terphenyl-d14
 Concen: 76.031 ng
 RT: 19.892 min Scan# 2874
 Delta R.T. 0.006 min
 Lab File: BP011711.D
 Acq: 15 Sep 2022 17:29

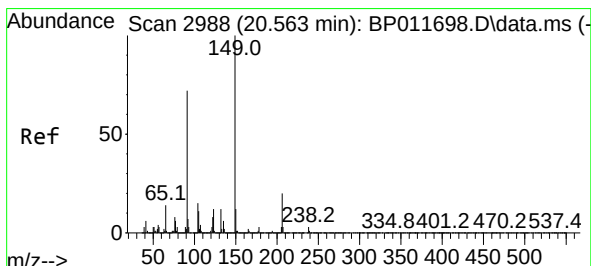
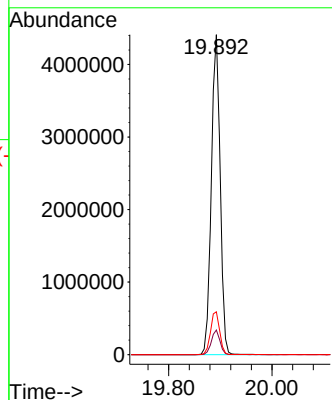
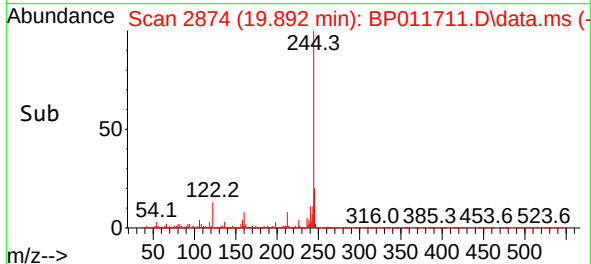
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022



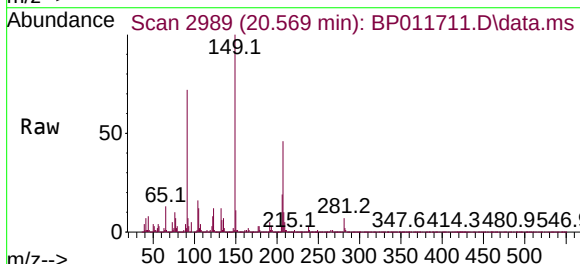
Tgt Ion:244 Resp: 5217158
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.8
 122 13.4 7.6 11.4

Manual Integrations
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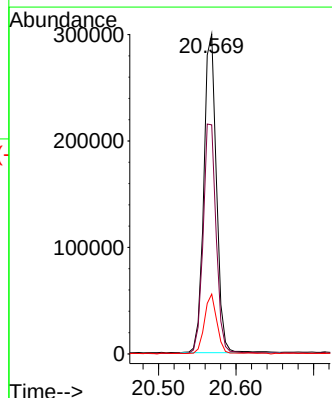
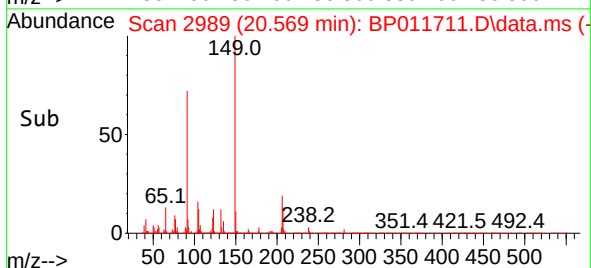
Reviewed By :Christian Giraldo 09/16/2022
 Supervised By :Jagrut Upadhyay 09/16/2022

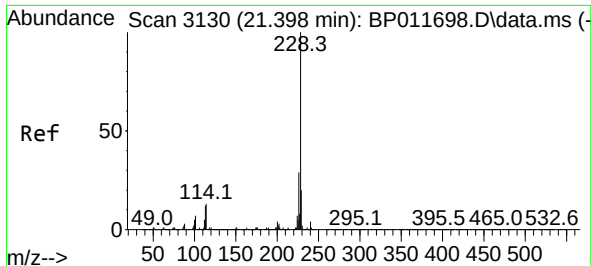


#80
 Butylbenzylphthalate
 Concen: 8.023 ng
 RT: 20.569 min Scan# 2989
 Delta R.T. 0.006 min
 Lab File: BP011711.D
 Acq: 15 Sep 2022 17:29



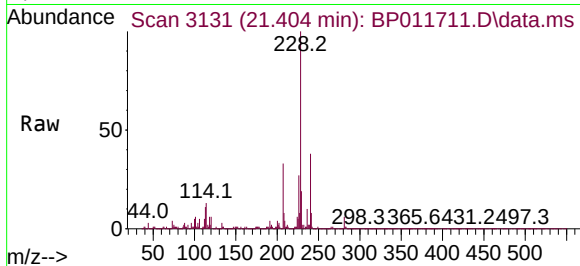
Tgt Ion:149 Resp: 338344
 Ion Ratio Lower Upper
 149 100
 91 71.6 62.5 93.7
 206 18.7 17.0 25.4





#81
Benzo(a)anthracene
Concen: 9.661 ng
RT: 21.404 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

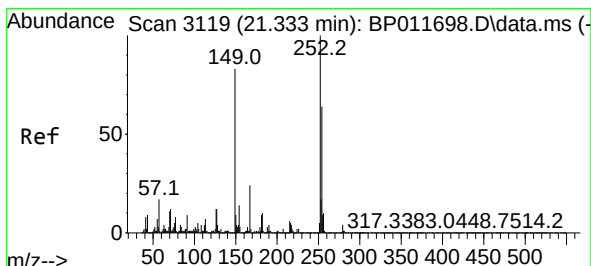
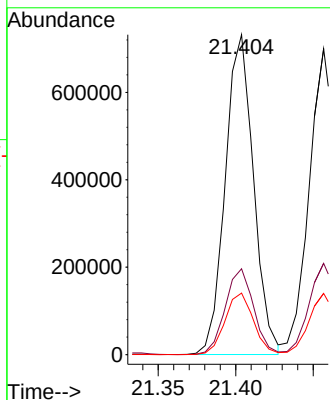
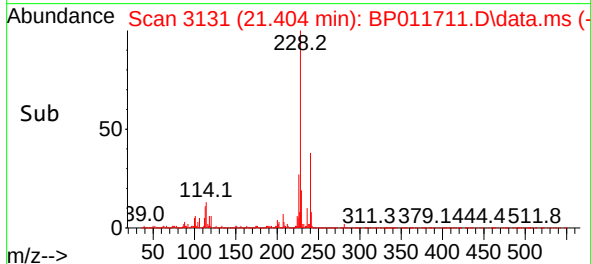
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



Tgt Ion:228 Resp: 929192
Ion Ratio Lower Upper
228 100
226 26.8 20.8 31.2
229 19.2 15.2 22.8

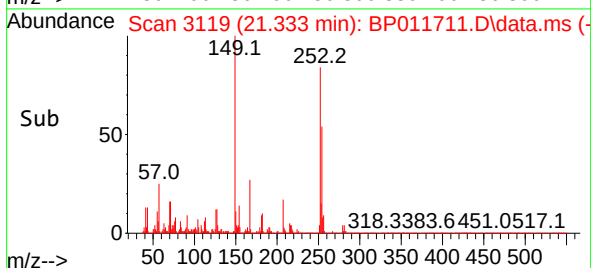
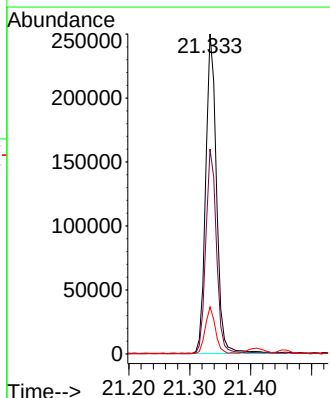
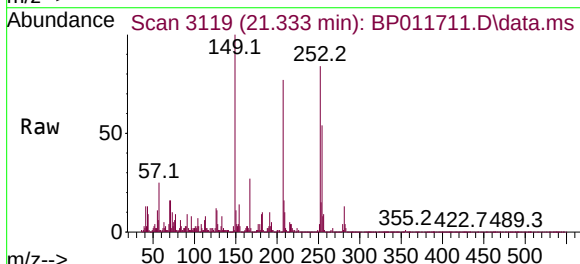
Manual Integrations
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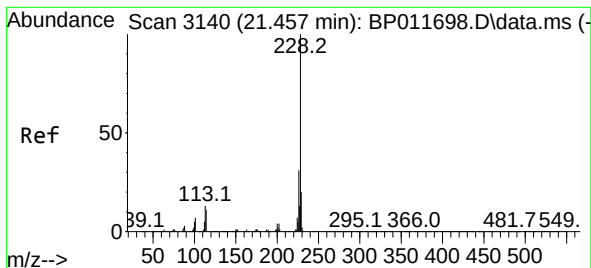
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#82
3,3'-Dichlorobenzidine
Concen: 10.556 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

Tgt Ion:252 Resp: 308355
Ion Ratio Lower Upper
252 100
254 64.0 51.1 76.7
126 14.7 8.4 12.6





#83

Chrysene

Concen: 9.596 ng

RT: 21.457 min Scan# 3140

Delta R.T. -0.000 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

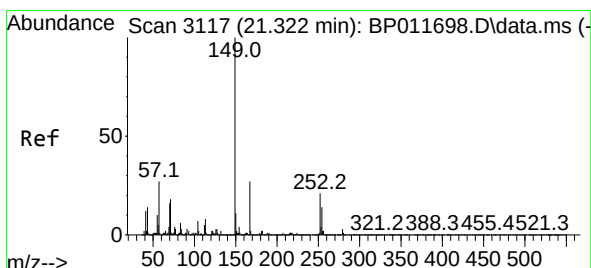
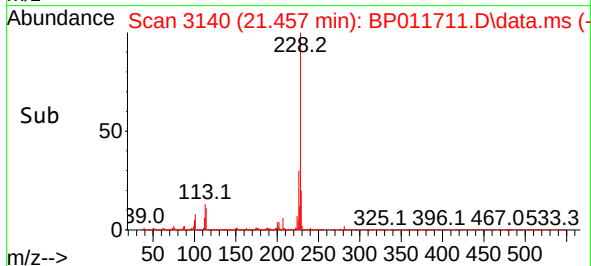
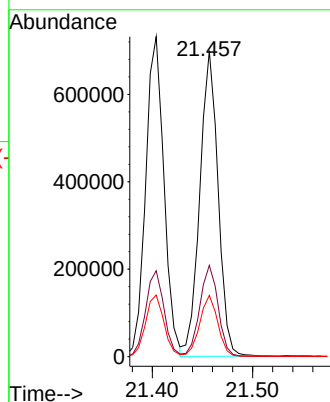
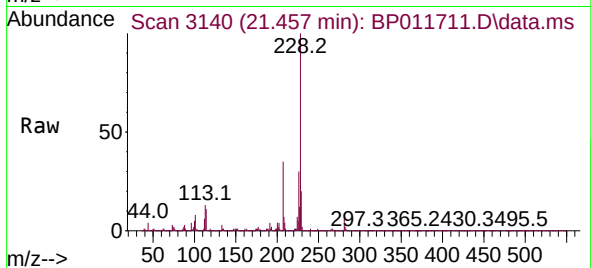
Tgt Ion:	228	Resp:	881785
Ion Ratio	Lower	Upper	
228	100		
226	29.9	23.4	35.2
229	20.0	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.308 ng

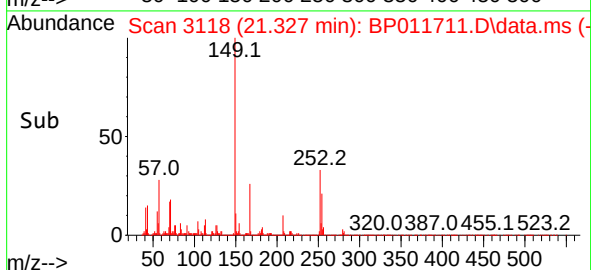
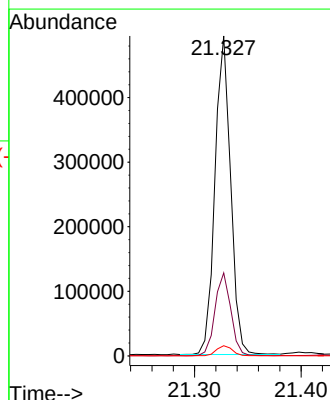
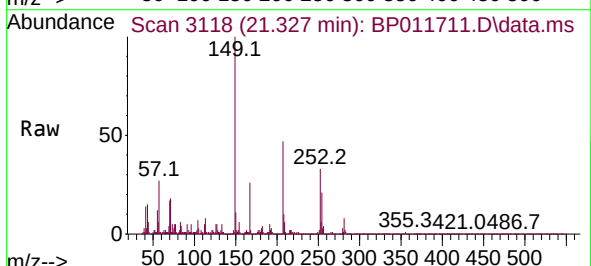
RT: 21.327 min Scan# 3118

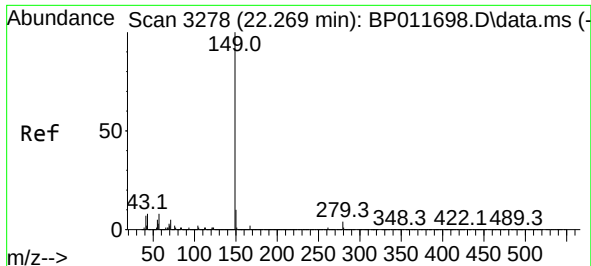
Delta R.T. 0.006 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

Tgt Ion:	149	Resp:	504049
Ion Ratio	Lower	Upper	
149	100		
167	25.9	21.8	32.8
279	3.2	3.7	5.5





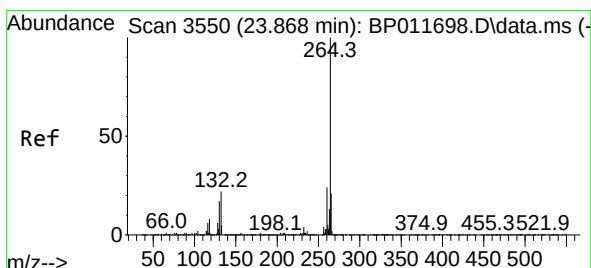
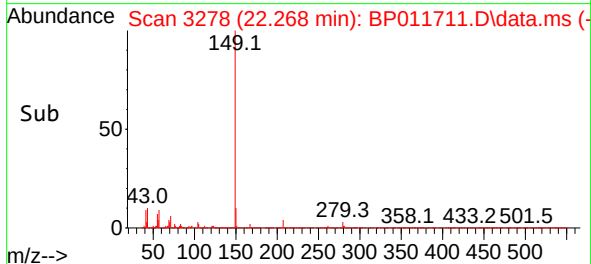
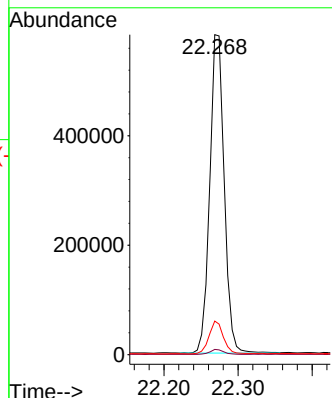
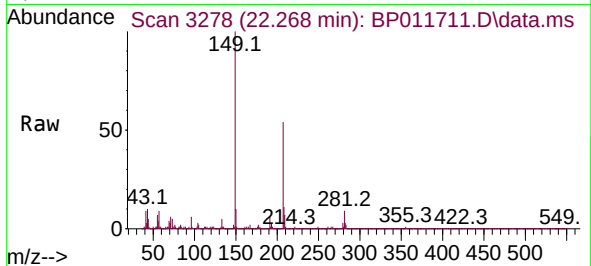
#85
Di-n-octyl phthalate
Concen: 7.583 ng
RT: 22.268 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

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

Tgt Ion:149 Resp: 789463
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 10.2 10.0 15.0

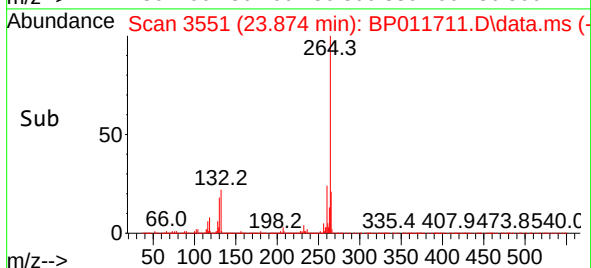
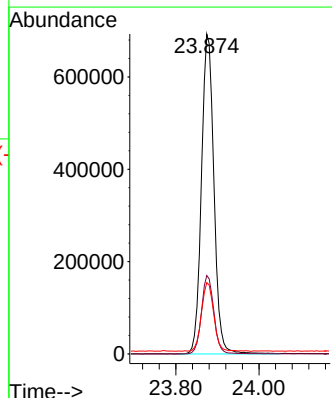
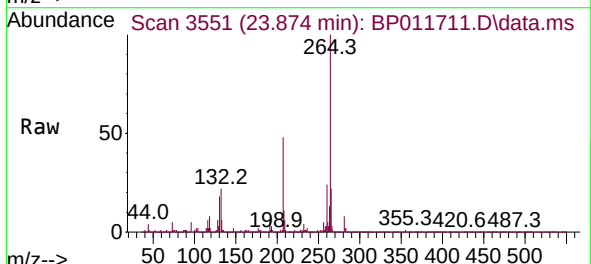
Manual Integrations
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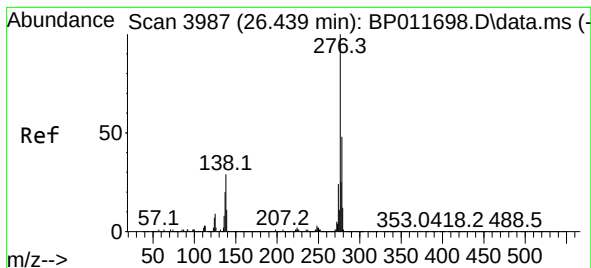
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.874 min Scan# 3551
Delta R.T. 0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

Tgt Ion:264 Resp: 1443162
Ion Ratio Lower Upper
264 100
260 24.5 19.3 28.9
265 22.3 18.0 27.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.305 ng

RT: 26.451 min Scan# 3989

Delta R.T. 0.012 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

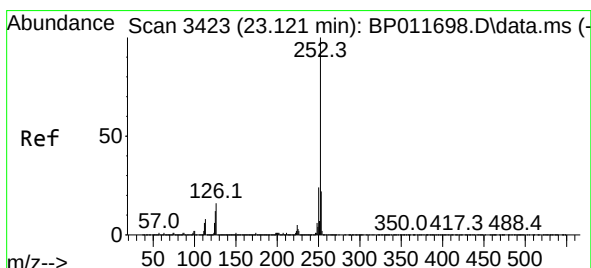
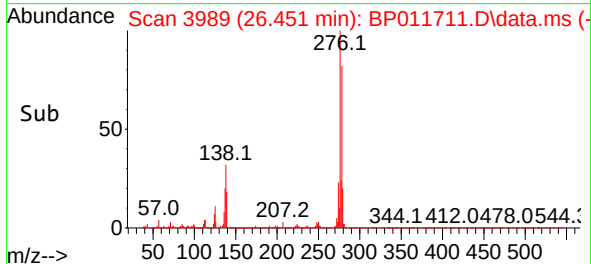
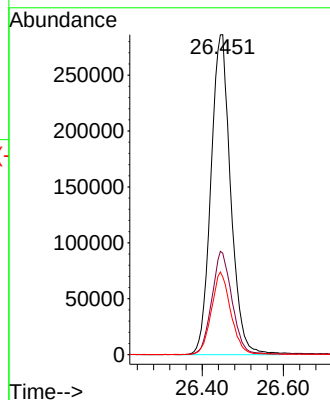
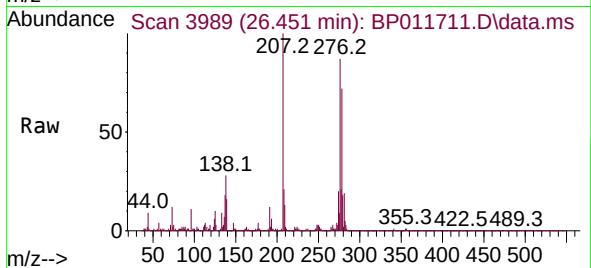
Tgt Ion:	276	Resp:	967464
Ion Ratio	Lower	Upper	
276	100		
138	32.8	17.5	26.3
277	25.2	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#88

Benzo(b)fluoranthene

Concen: 10.364 ng

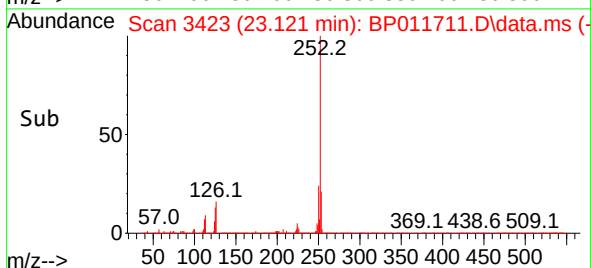
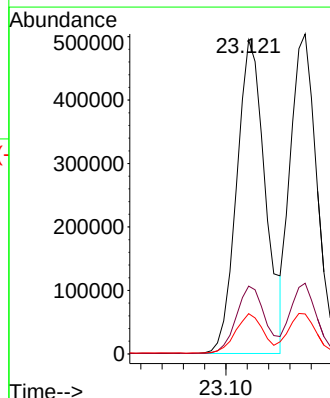
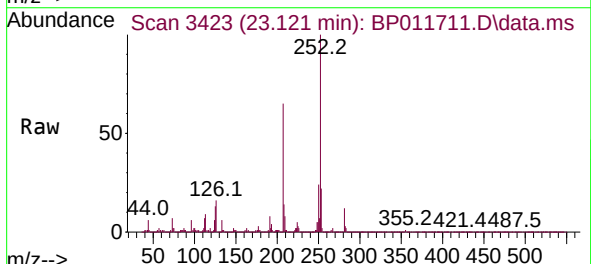
RT: 23.121 min Scan# 3423

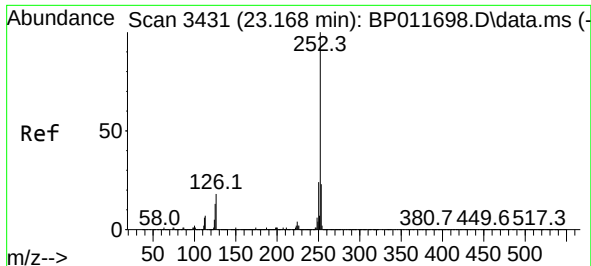
Delta R.T. -0.000 min

Lab File: BP011711.D

Acq: 15 Sep 2022 17:29

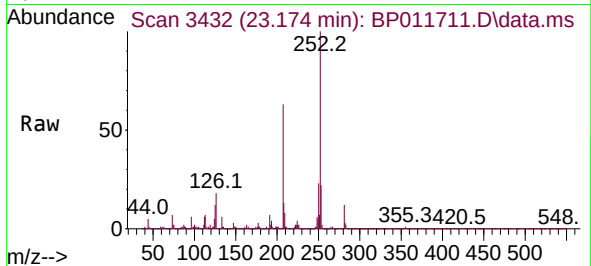
Tgt Ion:	252	Resp:	925056
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.8	26.6
125	12.8	7.0	10.6





#89
Benzo(k)fluoranthene
Concen: 9.680 ng
RT: 23.174 min Scan# 3431
Delta R.T. 0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

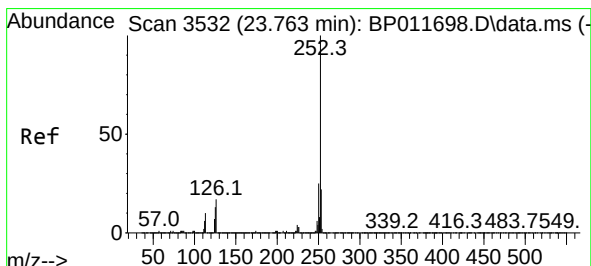
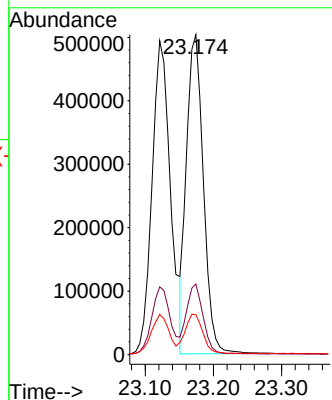
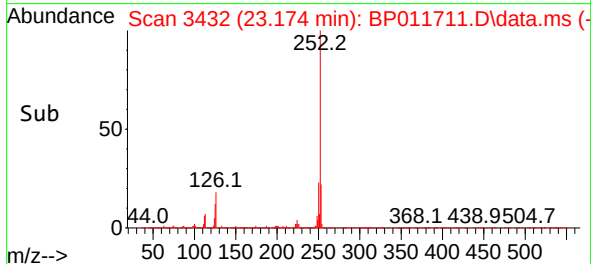
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022



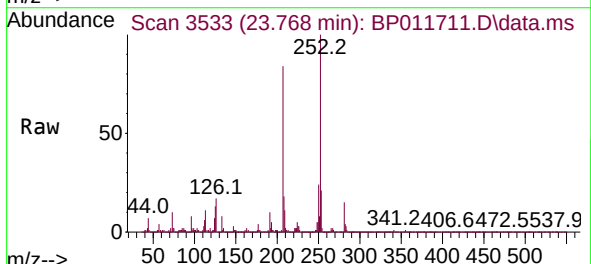
Tgt Ion:252 Resp: 870681
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 12.5 7.0 10.4

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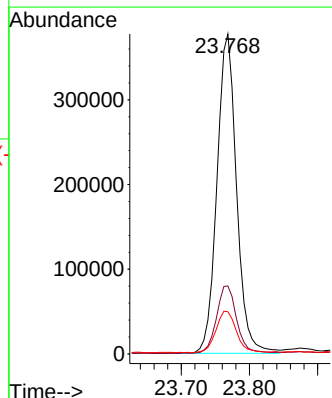
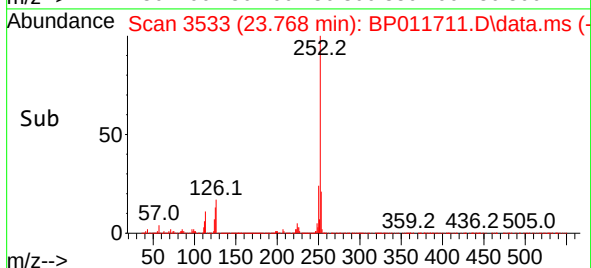
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

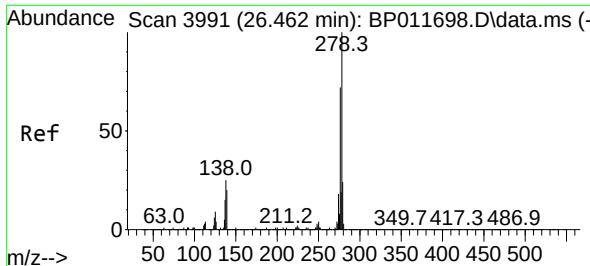


#90
Benzo(a)pyrene
Concen: 10.165 ng
RT: 23.768 min Scan# 3533
Delta R.T. 0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29



Tgt Ion:252 Resp: 749507
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.6
125 13.2 7.9 11.9





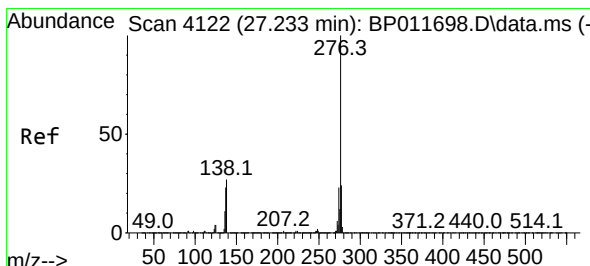
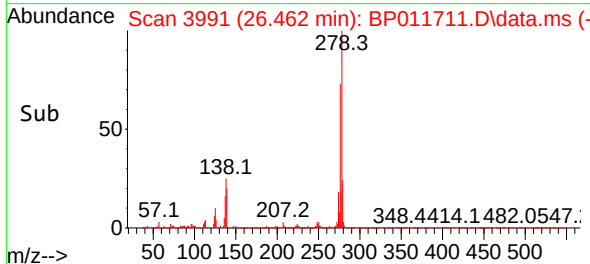
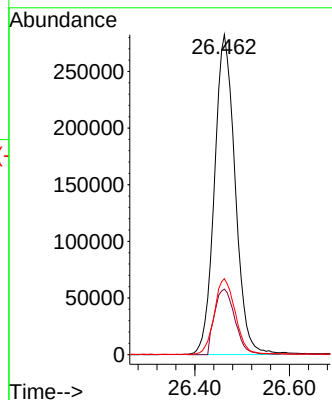
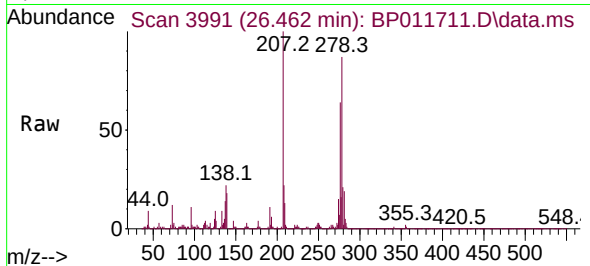
#91
Dibenzo(a,h)anthracene
Concen: 9.922 ng
RT: 26.462 min Scan# 3991
Delta R.T. -0.000 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

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

Tgt Ion: 278 Resp: 856572
Ion Ratio Lower Upper
278 100
139 20.5 11.4 17.0
279 23.7 19.2 28.8

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022



#92
Benzo(g,h,i)perylene
Concen: 10.011 ng
RT: 27.227 min Scan# 4121
Delta R.T. -0.006 min
Lab File: BP011711.D
Acq: 15 Sep 2022 17:29

Tgt Ion: 276 Resp: 842600
Ion Ratio Lower Upper
276 100
277 24.3 18.7 28.1
138 27.3 15.2 22.8

