

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091922\
 Data File : BP011731.D
 Acq On : 19 Sep 2022 11:38
 Operator : CG/JU
 Sample : N3980-03
 Misc : MDL-MDL-SOIL-4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/20/2022
 Supervised By : Jagrut Upadhyay 09/22/2022

Quant Time: Sep 19 13:46:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 13:46:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	422423	20.000	ng	-0.01
21) Naphthalene-d8	10.746	136	1666979	20.000	ng	-0.01
39) Acenaphthene-d10	14.575	164	934705	20.000	ng	-0.01
64) Phenanthrene-d10	17.328	188	1798999	20.000	ng	# 0.00
76) Chrysene-d12	21.410	240	1607649	20.000	ng	# 0.00
86) Perylene-d12	23.863	264	1519186	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	2403305	103.558	ng	0.00
7) Phenol-d6	7.093	99	3162974	102.243	ng	0.00
23) Nitrobenzene-d5	9.105	82	2144499	76.296	ng	0.00
42) 2,4,6-Tribromophenol	16.063	330	692127	94.770	ng	-0.01
45) 2-Fluorobiphenyl	13.204	172	4590179	76.336	ng	0.00
79) Terphenyl-d14	19.881	244	5797481	78.419	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.375	88	40270	3.940	ng	# 85
3) Pyridine	3.799	79	80735	2.740	ng	# 80
4) n-Nitrosodimethylamine	3.693	42	41698	3.692	ng	# 52
6) Aniline	7.264	93	146221	3.837	ng	# 88
8) 2-Chlorophenol	7.499	128	101171	3.677	ng	92
9) Benzaldehyde	7.075	77	92937	4.693	ng	95
10) Phenol	7.116	94	128311	3.688	ng	92
11) bis(2-Chloroethyl)ether	7.358	93	101217	3.652	ng	93
12) 1,3-Dichlorobenzene	7.822	146	112655m	3.692	ng	
13) 1,4-Dichlorobenzene	7.969	146	115356	3.717	ng	97
14) 1,2-Dichlorobenzene	8.293	146	111908	3.783	ng	95
15) Benzyl Alcohol	8.175	79	74031	3.352	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.475	45	147632	3.988	ng	93
17) 2-Methylphenol	8.381	107	72300	3.200	ng	92
18) Hexachloroethane	9.022	117	39346	3.665	ng	90
19) n-Nitroso-di-n-propyla...	8.746	70	67957	3.393	ng	# 84
20) 3+4-Methylphenols	8.705	107	94312	3.040	ng	94
22) Acetophenone	8.763	105	144402	3.695	ng	# 91
24) Nitrobenzene	9.146	77	118208	4.042	ng	92
25) Isophorone	9.675	82	165921	3.337	ng	97
26) 2-Nitrophenol	9.857	139	30314	2.527	ng	91
27) 2,4-Dimethylphenol	9.916	122	74479	3.583	ng	88
28) bis(2-Chloroethoxy)met...	10.157	93	127021	3.995	ng	99
29) 2,4-Dichlorophenol	10.393	162	66587	2.892	ng	99
30) 1,2,4-Trichlorobenzene	10.610	180	89858	3.525	ng	99
31) Naphthalene	10.799	128	317269	3.668	ng	99
33) 4-Chloroaniline	10.910	127	113063	3.331	ng	93
34) Hexachlorobutadiene	11.087	225	47990	3.417	ng	98
35) Caprolactam	11.681	113	15313	2.052	ng	# 82
36) 4-Chloro-3-methylphenol	12.022	107	72893	2.943	ng	95
37) 2-Methylnaphthalene	12.404	142	200559	3.464	ng	96
38) 1-Methylnaphthalene	12.622	142	191325	3.380	ng	100
40) 1,2,4,5-Tetrachloroben...	12.769	216	89829	3.641	ng	98
41) Hexachlorocyclopentadiene	12.751	237	44166	3.587	ng	98
43) 2,4,6-Trichlorophenol	13.010	196	43189	2.574	ng	99
44) 2,4,5-Trichlorophenol	13.075	196	53552	2.854	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.410	154	266363	3.917	ng	99
47) 2-Chloronaphthalene	13.451	162	197670	3.695	ng	98
48) 2-Nitroaniline	13.657	65	37465	2.497	ng	90
49) Acenaphthylene	14.298	152	262890	3.176	ng	99
50) Dimethylphthalate	14.034	163	216911	3.326	ng	98
51) 2,6-Dinitrotoluene	14.146	165	32834	2.483	ng	94
52) Acenaphthene	14.640	154	186244m	3.382	ng	
53) 3-Nitroaniline	14.481	138	35271	2.313	ng	# 96
55) Dibenzofuran	14.975	168	290675	3.666	ng	97
57) 2,4-Dinitrotoluene	14.934	165	37514	2.190	ng	95
58) Fluorene	15.622	166	223119	3.469	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.198	232	39310m	2.550	ng	
60) Diethylphthalate	15.393	149	211453	3.257	ng	96
61) 4-Chlorophenyl-phenyle...	15.622	204	102648	3.453	ng	99
62) 4-Nitroaniline	15.640	138	31737	2.071	ng	# 84
63) Azobenzene	15.910	77	190446	3.053	ng	91
66) n-Nitrosodiphenylamine	15.834	169	179777	3.359	ng	96
67) 4-Bromophenyl-phenylether	16.516	248	52595	3.123	ng	93
68) Hexachlorobenzene	16.628	284	60547	3.338	ng	# 91
69) Atrazine	16.787	200	49233	3.013	ng	94
70) Pentachlorophenol	16.975	266	24215	2.105	ng	96
71) Phenanthrene	17.369	178	349045	3.566	ng	99
72) Anthracene	17.463	178	308525	3.332	ng	99
73) Carbazole	17.734	167	286416	3.279	ng	99
74) Di-n-butylphthalate	18.281	149	286833	2.725	ng	99
75) Fluoranthene	19.333	202	341850	3.238	ng	96
77) Benzidine	19.516	184	117421	3.071	ng	99
78) Pyrene	19.686	202	360952	3.329	ng	99
80) Butylbenzylphthalate	20.557	149	107827	2.373	ng	96
81) Benzo(a)anthracene	21.392	228	345613	3.335	ng	97
82) 3,3'-Dichlorobenzidine	21.327	252	100521	3.194	ng	# 97
83) Chrysene	21.445	228	345216	3.487	ng	99
84) Bis(2-ethylhexyl)phtha...	21.316	149	155211	2.375	ng	# 96
85) Di-n-octyl phthalate	22.257	149	231932	2.068	ng	99
87) Indeno(1,2,3-cd)pyrene	26.421	276	339436	3.101	ng	# 88
88) Benzo(b)fluoranthene	23.110	252	324890	3.458	ng	# 95
89) Benzo(k)fluoranthene	23.157	252	323548	3.417	ng	# 95
90) Benzo(a)pyrene	23.751	252	263296	3.392	ng	# 95
91) Dibenzo(a,h)anthracene	26.439	278	299837	3.299	ng	# 90
92) Benzo(g,h,i)perylene	27.204	276	296303	3.344	ng	# 88

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

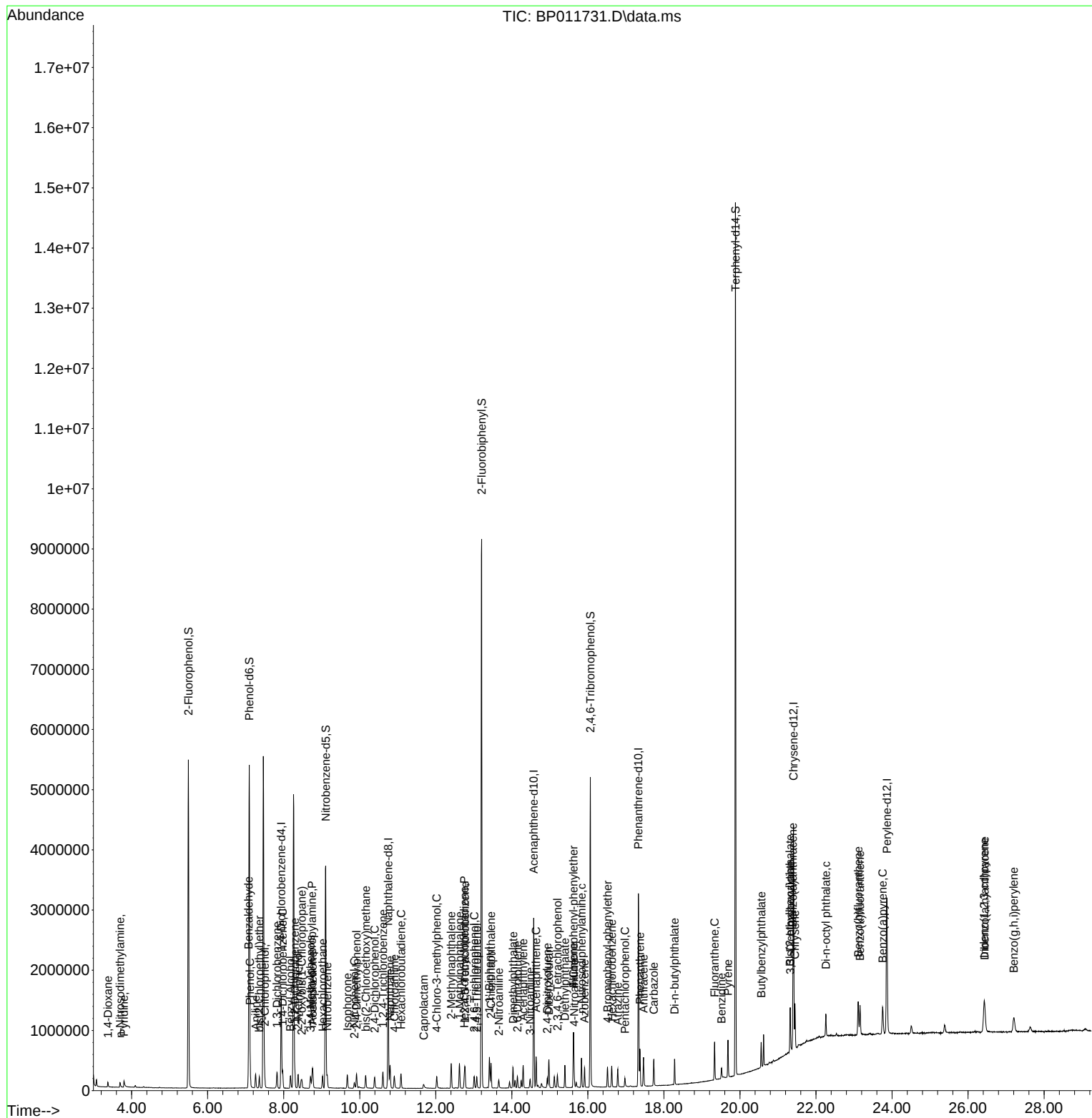
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091922\
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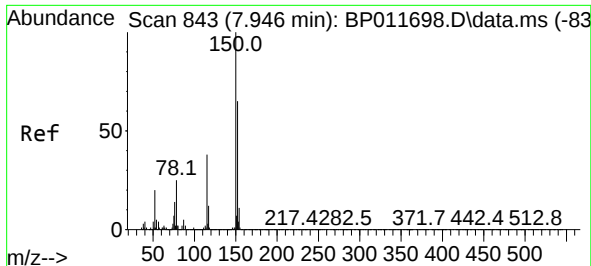
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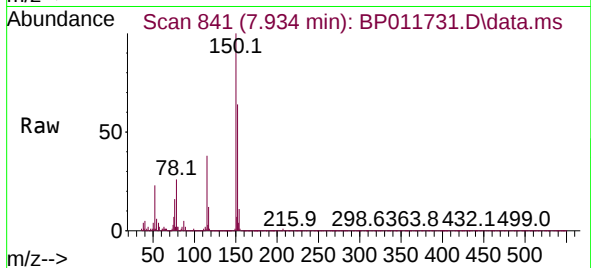
Reviewed By : Christian Giraldo 09/20/2022
 Supervised By : Jagrut Upadhyay 09/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 84
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

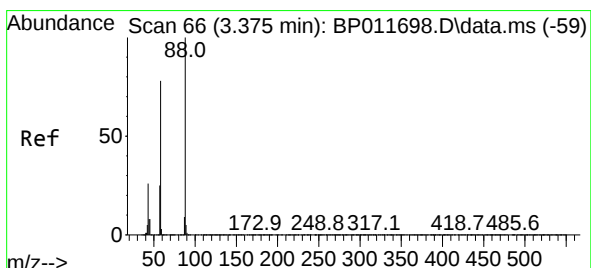
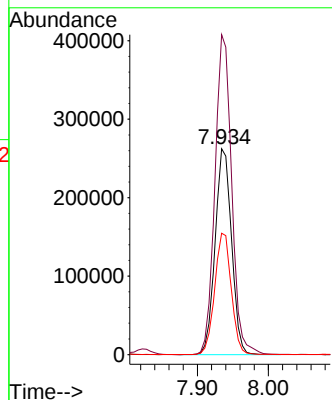
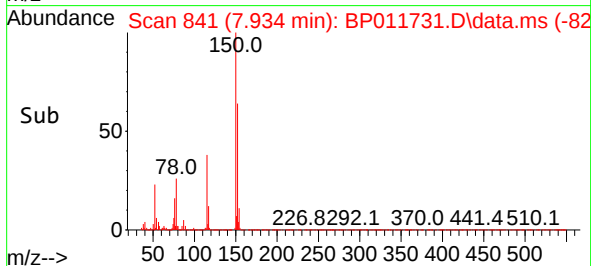
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:152 Resp: 422423
Ion Ratio Lower Upper
152 100
150 155.4 123.4 185.2
115 59.0 51.3 76.9

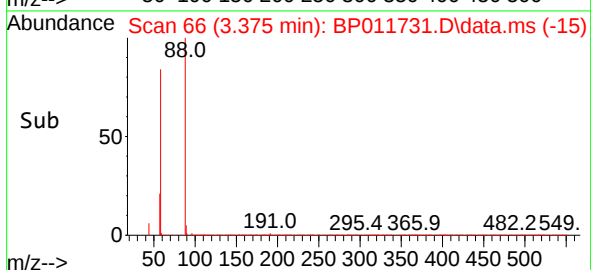
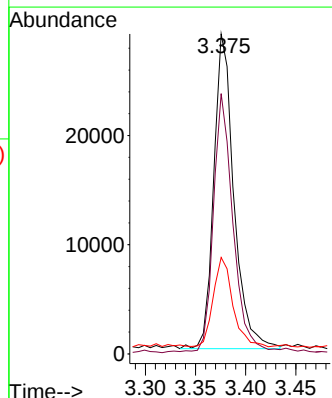
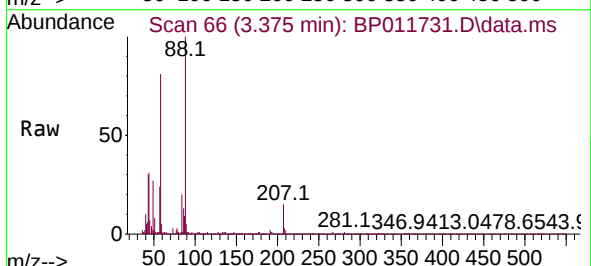
Manual Integrations
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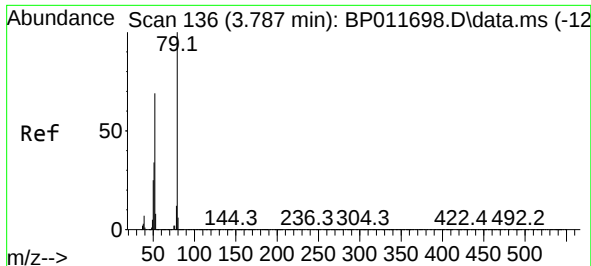
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#2
1,4-Dioxane
Concen: 3.940 ng
RT: 3.375 min Scan# 66
Delta R.T. 0.000 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

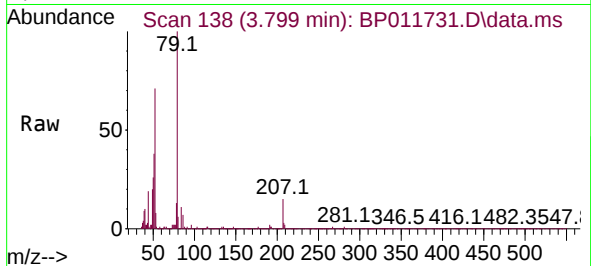
Tgt Ion: 88 Resp: 40270
Ion Ratio Lower Upper
88 100
58 80.6 74.5 111.7
43 27.5 31.5 47.3





#3
Pyridine
Concen: 2.740 ng
RT: 3.799 min Scan# 136
Delta R.T. 0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

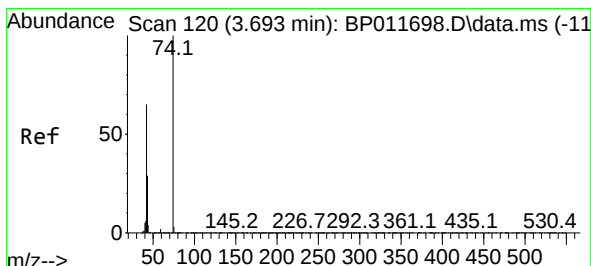
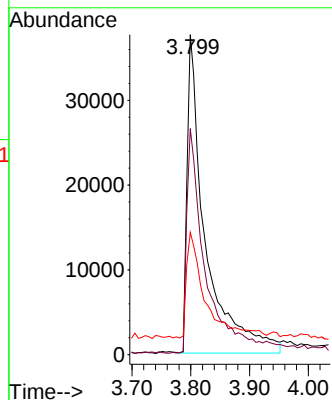
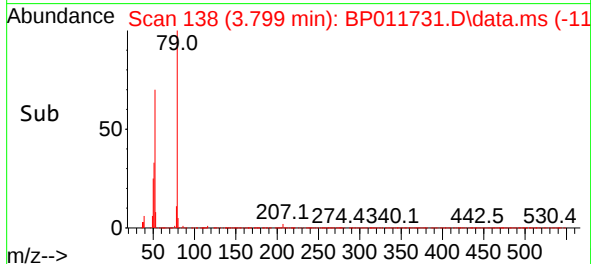
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022



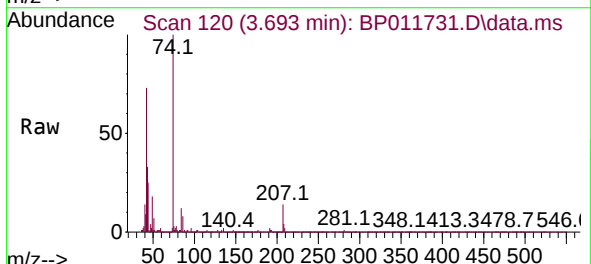
Tgt Ion: 79 Resp: 80735
Ion Ratio Lower Upper
79 100
52 70.6 73.5 110.3
51 38.2 38.6 57.8

Manual Integrations
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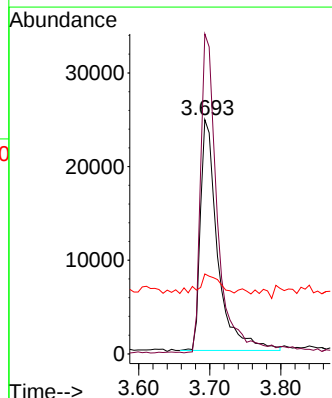
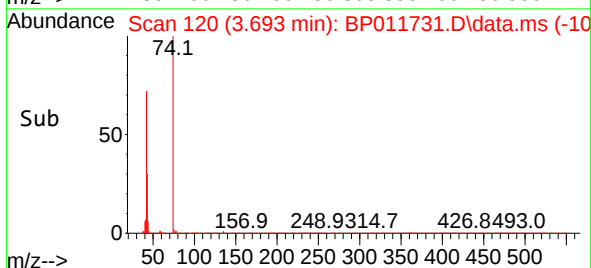
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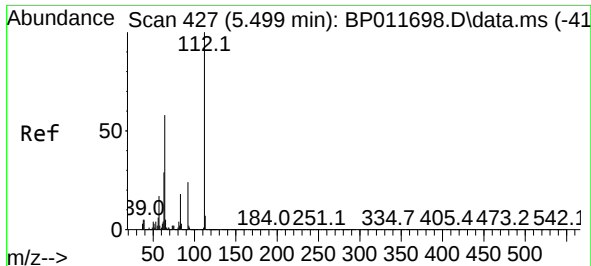


#4
n-Nitrosodimethylamine
Concen: 3.692 ng
RT: 3.693 min Scan# 120
Delta R.T. 0.000 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38



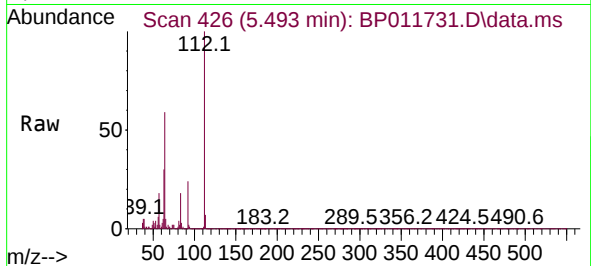
Tgt Ion: 42 Resp: 41698
Ion Ratio Lower Upper
42 100
74 136.6 74.4 111.6
44 34.1 5.7 8.5





#5
2-Fluorophenol
Concen: 103.558 ng
RT: 5.493 min Scan# 41
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

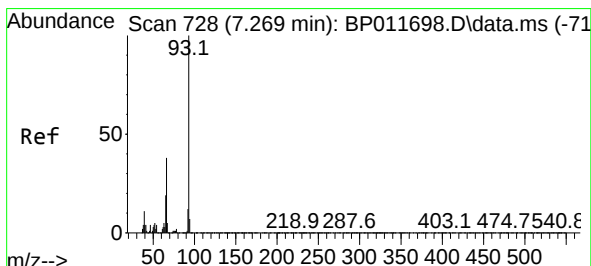
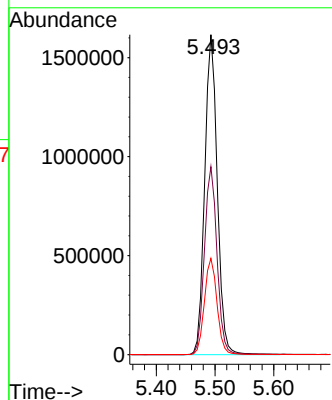
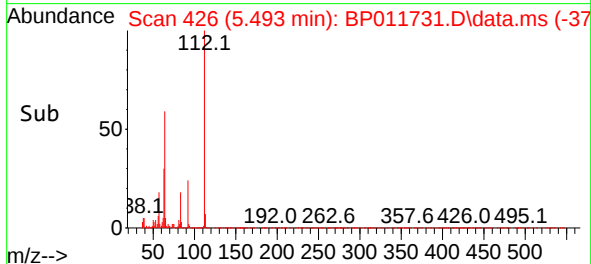
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MDL-SOIL-03-QT3-2022



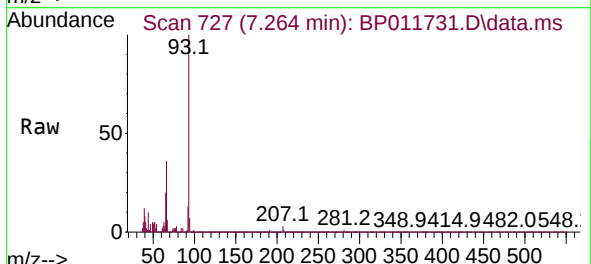
Tgt Ion: 112 Resp: 2403305
Ion Ratio Lower Upper
112 100
64 58.7 56.9 85.3
63 30.1 31.2 46.8

Manual Integrations
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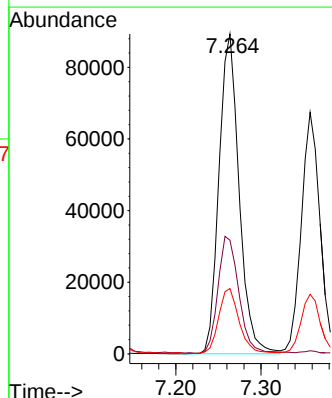
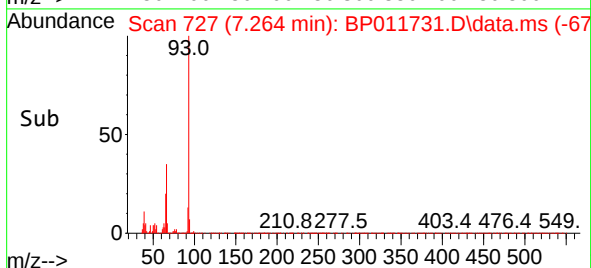
Reviewed By :Christian Giraldo 09/20/2022
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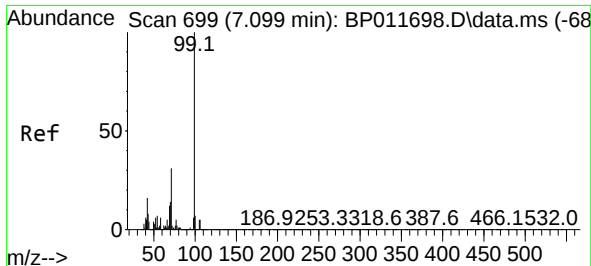


#6
Aniline
Concen: 3.837 ng
RT: 7.264 min Scan# 727
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38



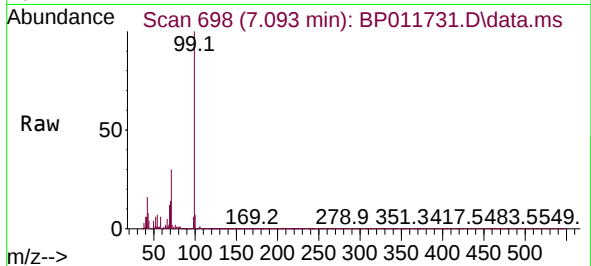
Tgt Ion: 93 Resp: 146221
Ion Ratio Lower Upper
93 100
66 35.5 36.7 55.1
65 20.4 18.2 27.4





#7
Phenol-d6
Concen: 102.243 ng
RT: 7.093 min Scan# 699
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

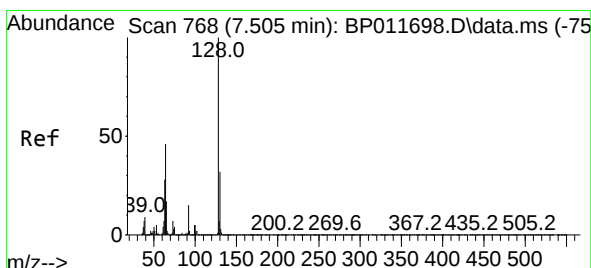
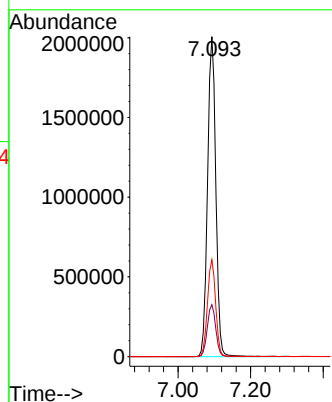
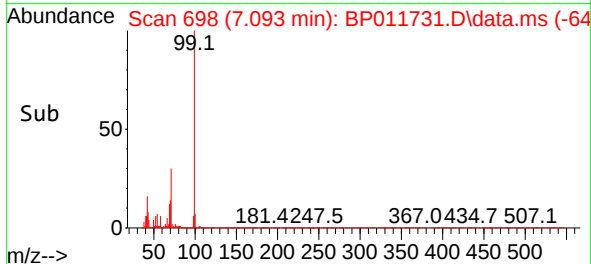
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Tgt Ion: 99 Resp: 3162974
Ion Ratio Lower Upper
99 100
42 16.2 20.3 30.5
71 30.3 33.9 50.9

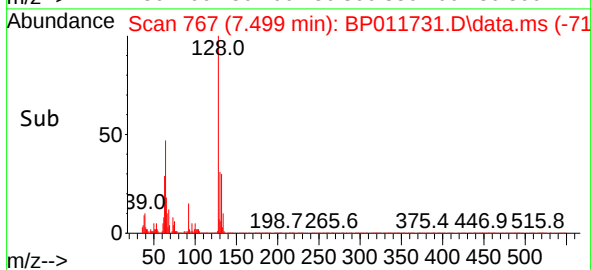
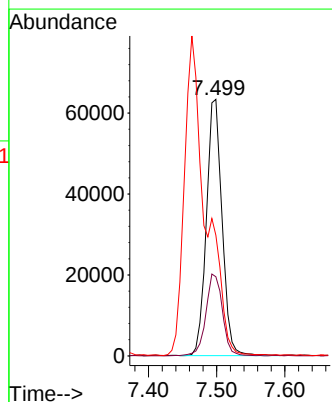
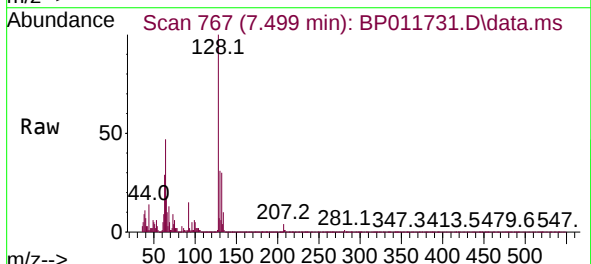
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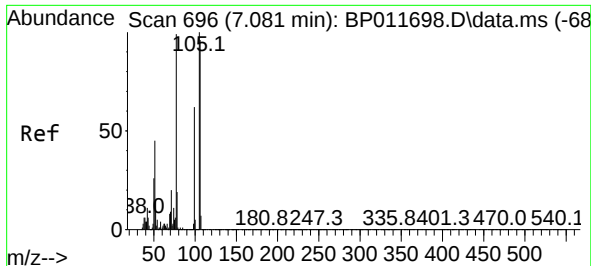
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#8
2-Chlorophenol
Concen: 3.677 ng
RT: 7.499 min Scan# 767
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

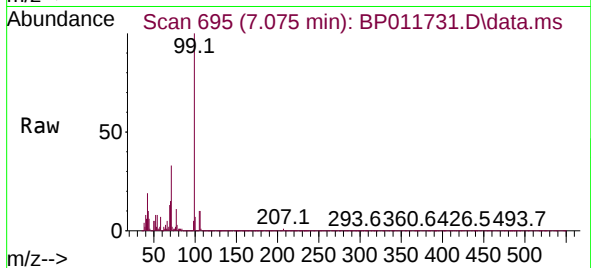
Tgt Ion:128 Resp: 101171
Ion Ratio Lower Upper
128 100
130 30.9 11.8 51.8
64 47.0 35.3 75.3





#9
Benzaldehyde
Concen: 4.693 ng
RT: 7.075 min Scan# 69
Delta R.T. -0.006 min
Lab File: BP011731.D
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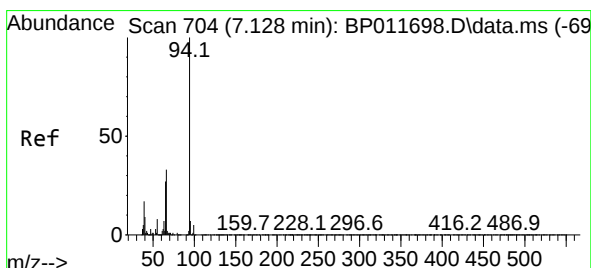
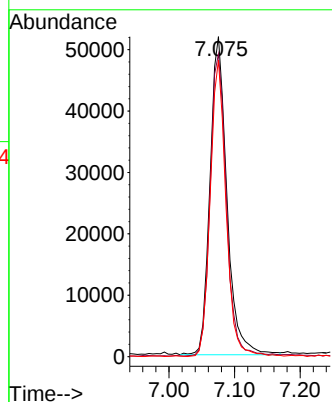
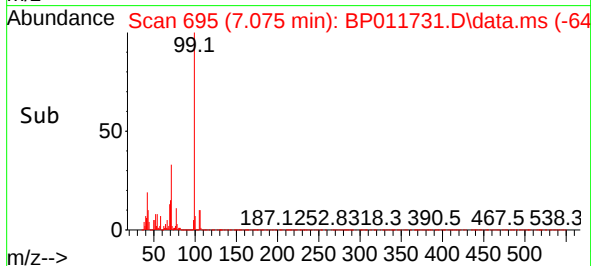
Instrument :
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ClientSampleId :
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Tgt Ion: 77	Resp: 9293
Ion Ratio	Lower Upper
77 100	
105 94.6	71.4 111.4
106 92.6	66.9 106.9

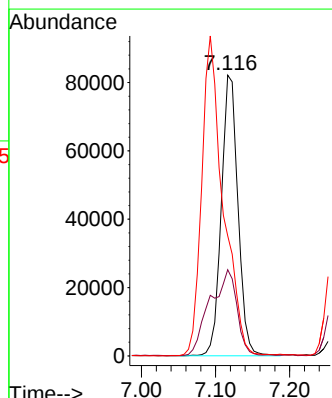
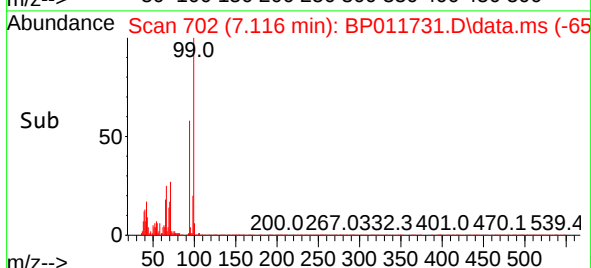
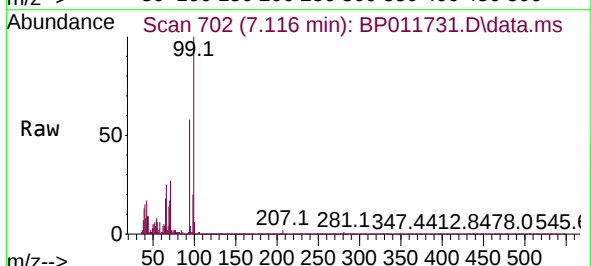
Manual Integrations
APPROVED

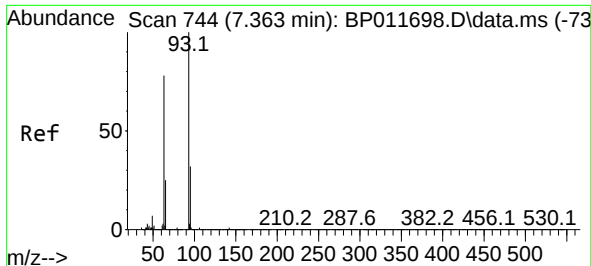
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#10
Phenol
Concen: 3.688 ng
RT: 7.116 min Scan# 702
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

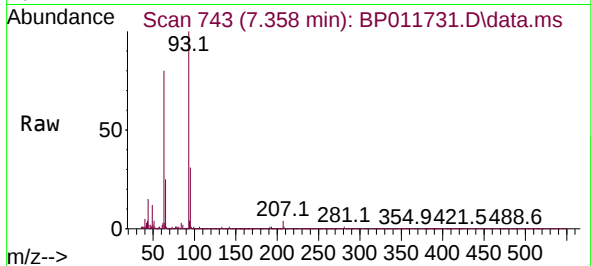
Tgt Ion: 94	Resp: 128311
Ion Ratio	Lower Upper
94 100	
65 30.7	14.0 54.0
66 42.8	29.2 69.2





#11
bis(2-Chloroethyl)ether
Concen: 3.652 ng
RT: 7.358 min Scan# 744
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

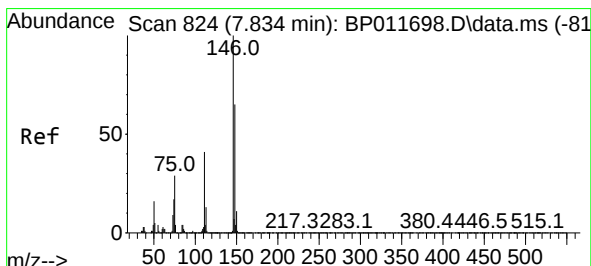
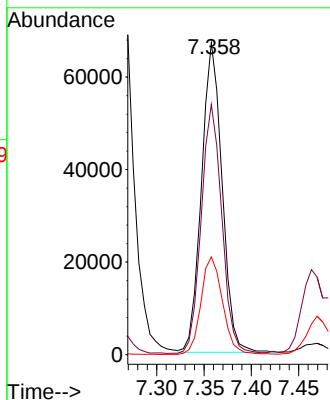
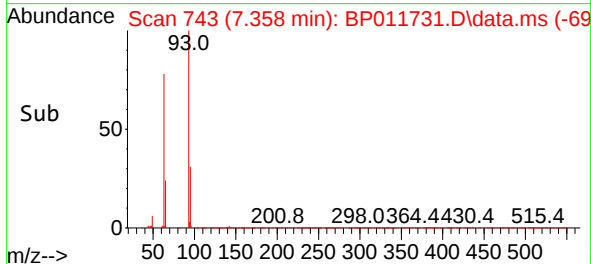
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 93 Resp: 101217
Ion Ratio Lower Upper
93 100
63 80.2 68.2 108.2
95 31.3 12.2 52.2

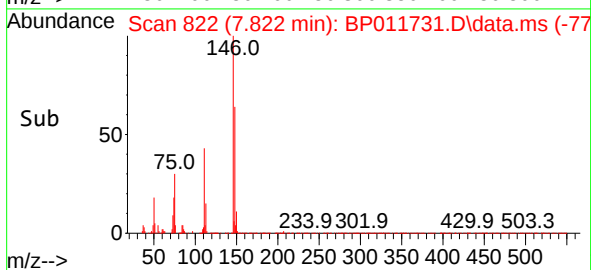
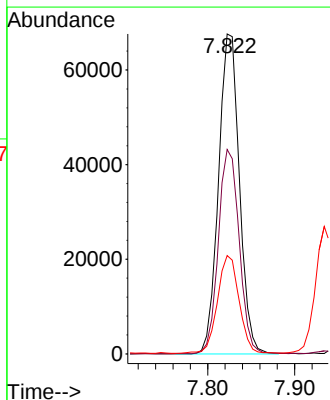
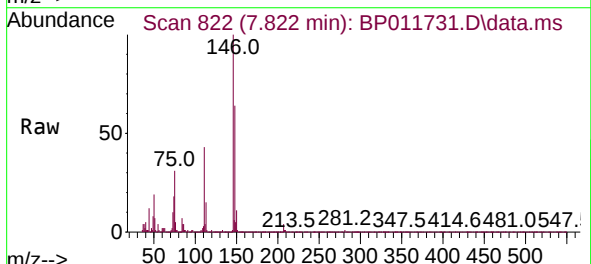
Manual Integrations
APPROVED

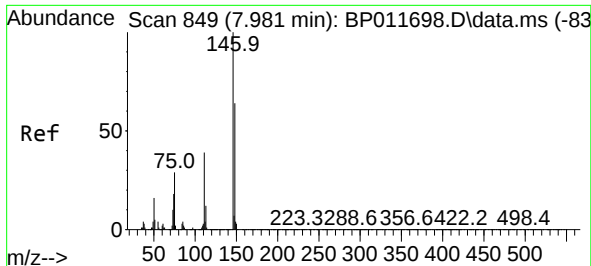
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#12
1,3-Dichlorobenzene
Concen: 3.692 ng m
RT: 7.822 min Scan# 822
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Tgt Ion:146 Resp: 112655
Ion Ratio Lower Upper
146 100
148 63.9 53.0 79.4
75 30.8 31.3 46.9#





#13

1,4-Dichlorobenzene

Concen: 3.717 ng

RT: 7.969 min Scan# 84

Delta R.T. -0.012 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2022

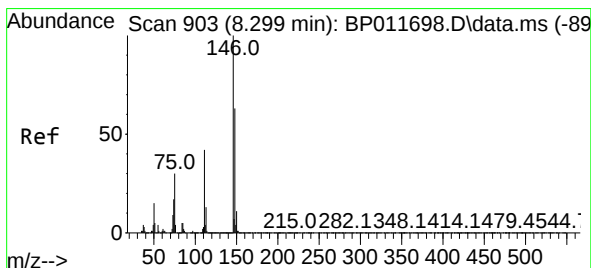
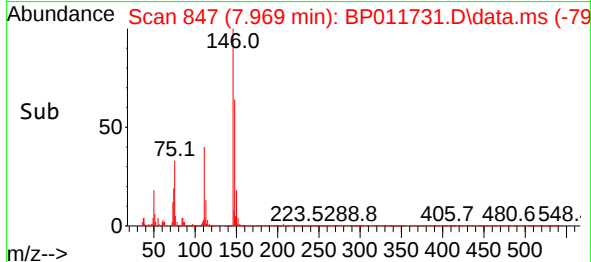
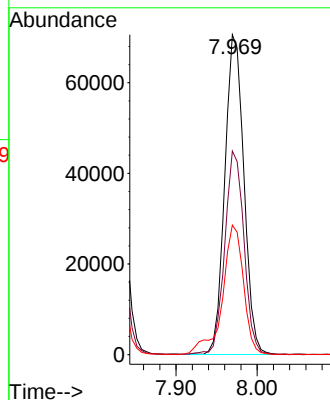
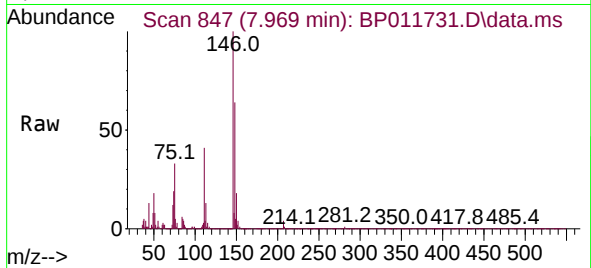
Tgt Ion:	146	Resp:	115356
Ion Ratio	Lower	Upper	
146	100		
148	63.6	51.6	77.4
111	40.5	35.2	52.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/20/2022

Supervised By :Jagrut Upadhyay 09/22/2022



#14

1,2-Dichlorobenzene

Concen: 3.783 ng

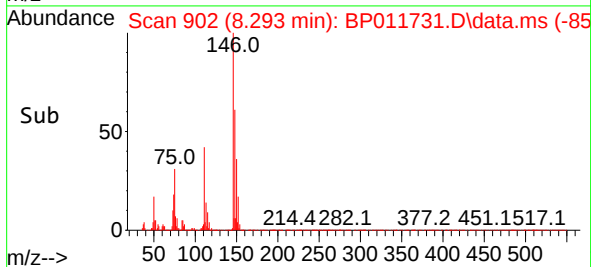
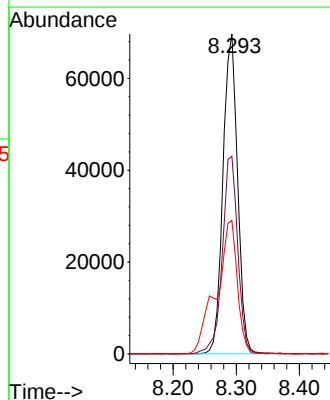
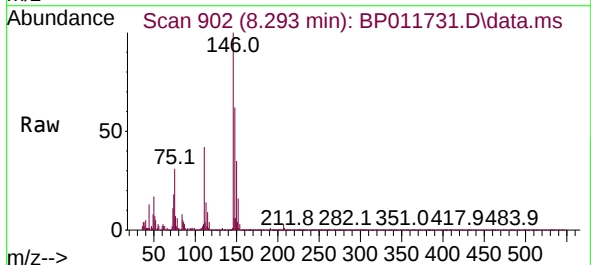
RT: 8.293 min Scan# 902

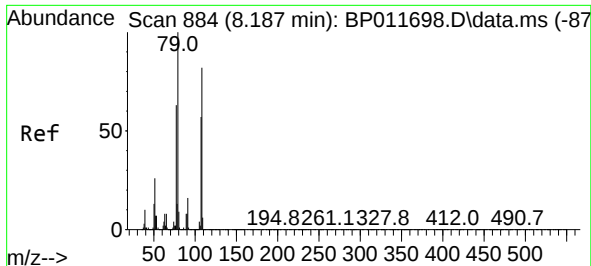
Delta R.T. -0.006 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

Tgt Ion:	146	Resp:	111908
Ion Ratio	Lower	Upper	
146	100		
148	61.8	52.2	78.2
111	41.7	36.6	55.0





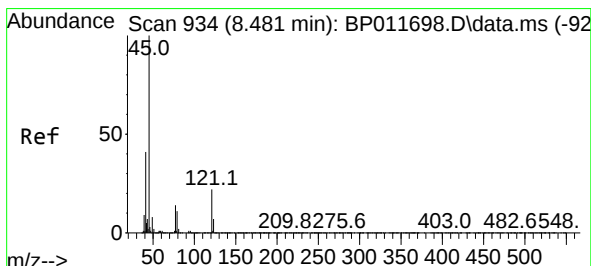
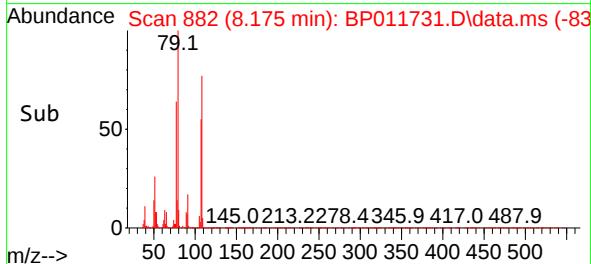
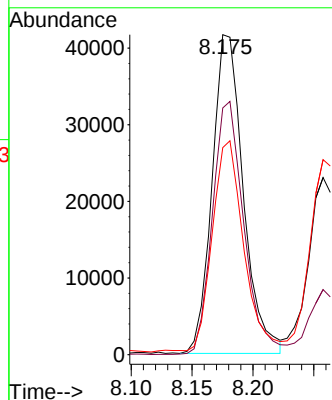
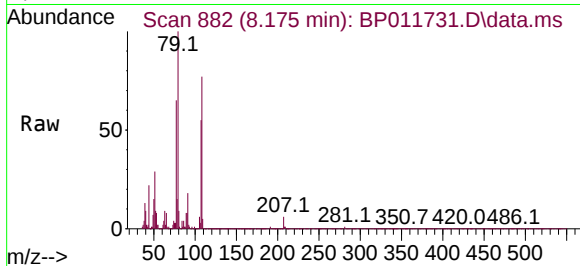
#15
Benzyl Alcohol
Concen: 3.352 ng
RT: 8.175 min Scan# 884
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Instrument : BNA_P
Client Sample Id : MDL-SOIL-03-QT3-2022

Tgt Ion: 79 Resp: 74031
Ion Ratio Lower Upper
79 100
108 77.1 53.4 80.0
77 64.7 51.5 77.3

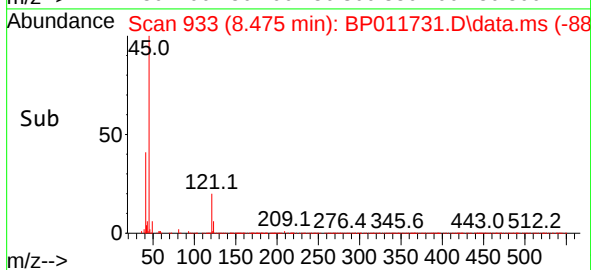
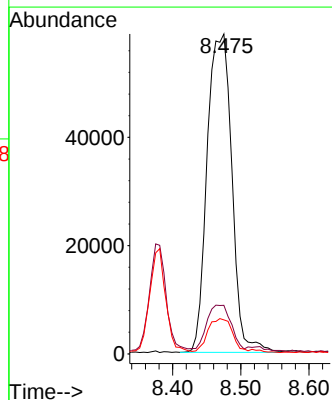
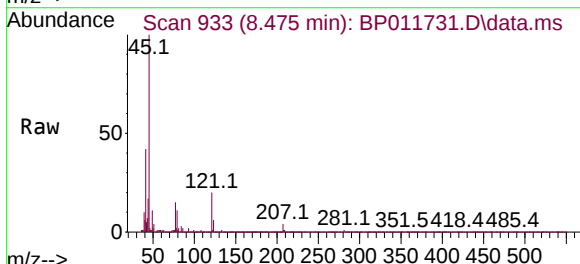
Manual Integrations
APPROVED

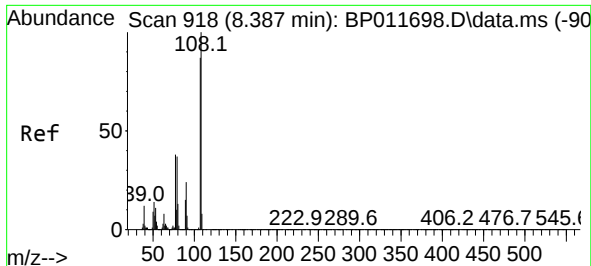
Reviewed By : Christian Giraldo 09/20/2022
Supervised By : Jagrut Upadhyay 09/22/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.988 ng
RT: 8.475 min Scan# 933
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Tgt Ion: 45 Resp: 147632
Ion Ratio Lower Upper
45 100
77 15.2 0.0 31.8
79 10.6 0.0 28.8





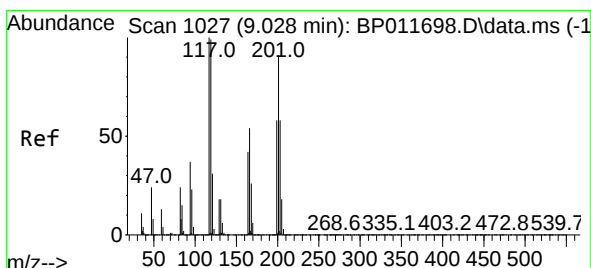
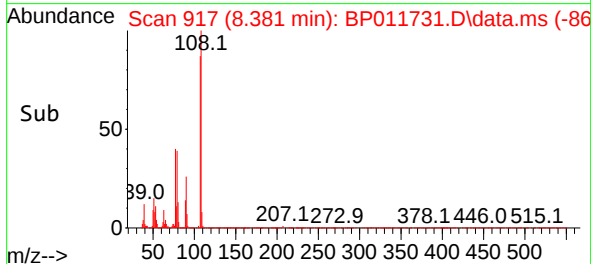
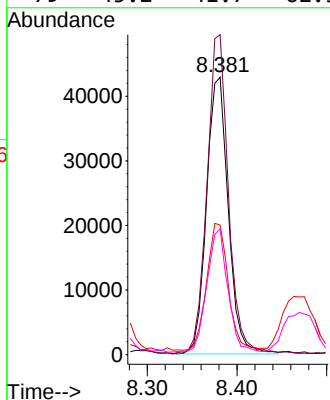
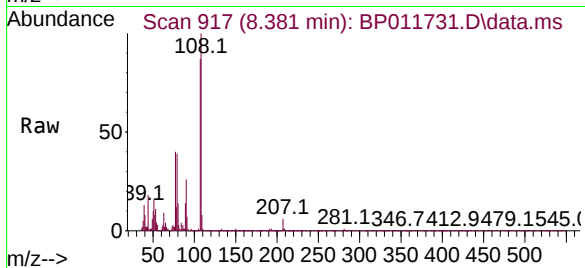
#17
2-Methylphenol
Concen: 3.200 ng
RT: 8.381 min Scan# 917
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2022

Tgt Ion:	107	Resp:	72300
Ion Ratio	Lower	Upper	
107	100		
108	115.4	88.9	133.3
77	46.7	44.7	67.1
79	45.2	41.7	62.5

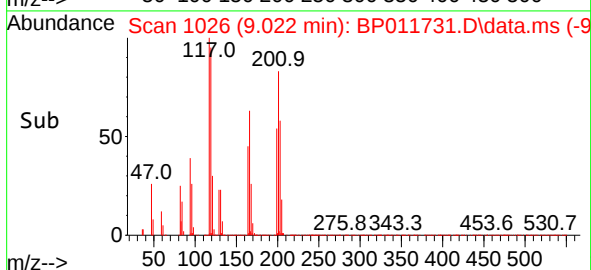
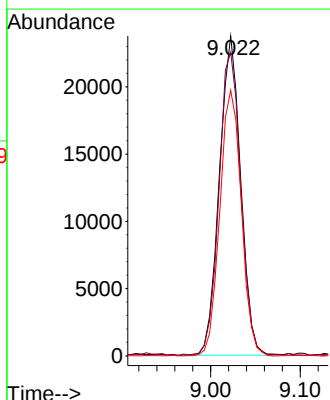
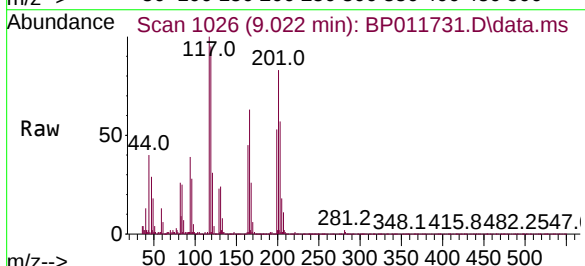
Manual Integrations
APPROVED

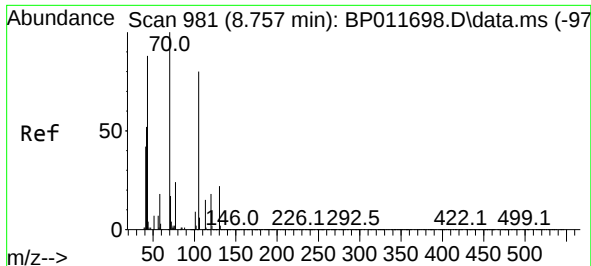
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#18
Hexachloroethane
Concen: 3.665 ng
RT: 9.022 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

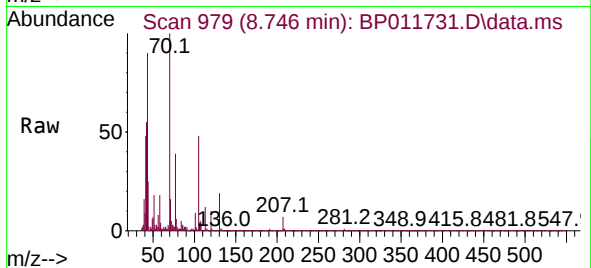
Tgt Ion:	117	Resp:	39346
Ion Ratio	Lower	Upper	
117	100		
119	94.9	75.6	113.4
201	83.0	80.9	121.3





#19
n-Nitroso-di-n-propylamine
Concen: 3.393 ng
RT: 8.746 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

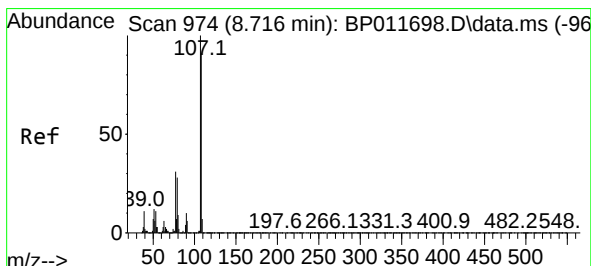
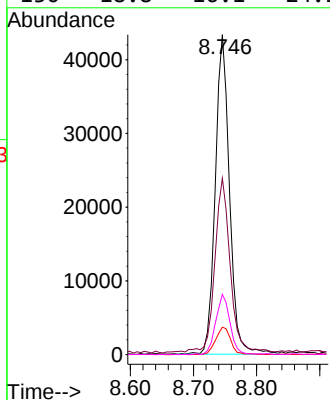
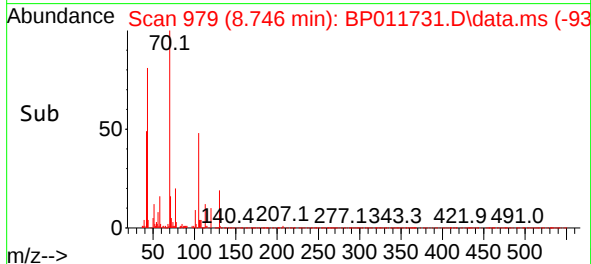
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 70 Resp: 67952
Ion Ratio Lower Upper
70 100
42 55.1 58.1 87.1
101 8.6 8.4 12.6
130 18.8 16.1 24.1

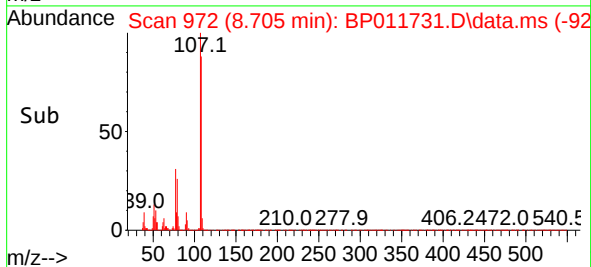
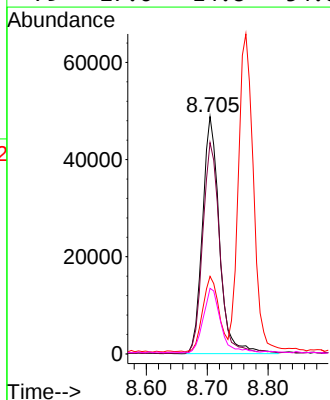
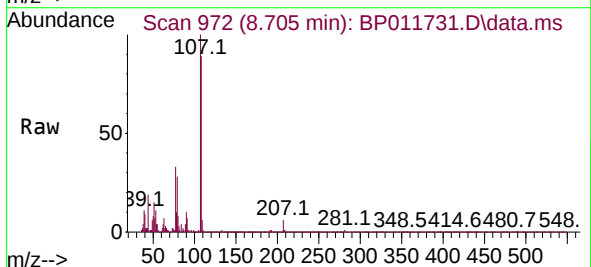
Manual Integrations
APPROVED

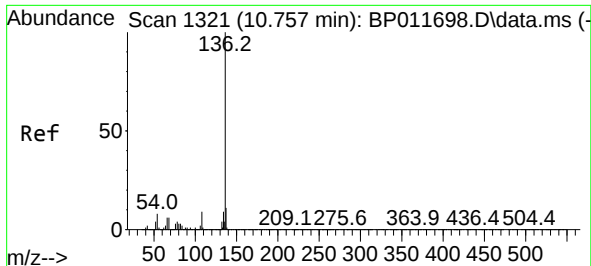
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#20
3+4-Methylphenols
Concen: 3.040 ng
RT: 8.705 min Scan# 972
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

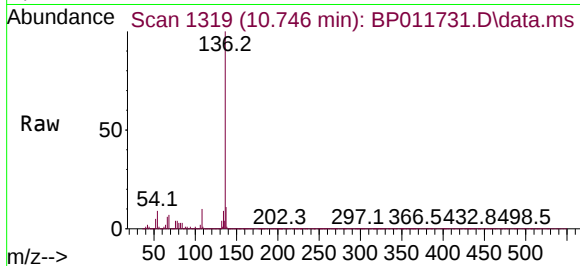
Tgt Ion:107 Resp: 94312
Ion Ratio Lower Upper
107 100
108 89.0 67.1 107.1
77 32.6 19.2 59.2
79 27.6 14.8 54.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.746 min Scan# 1321
Delta R.T. -0.011 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

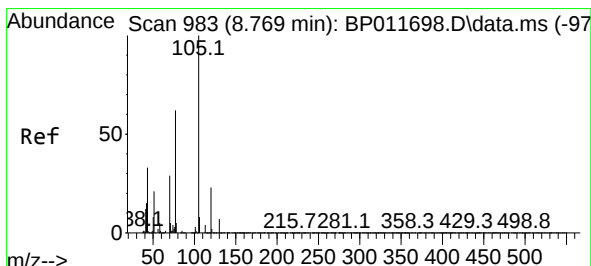
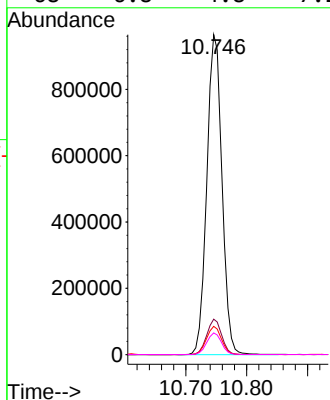
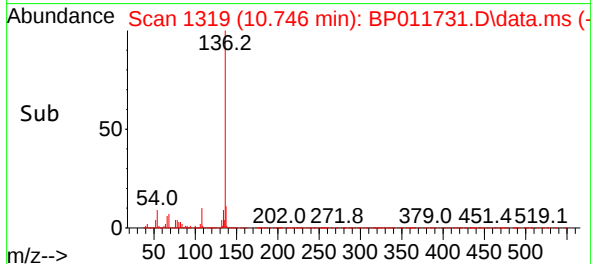
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:136 Resp: 1666979
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 8.8 8.7 13.1
68 6.8 4.8 7.2

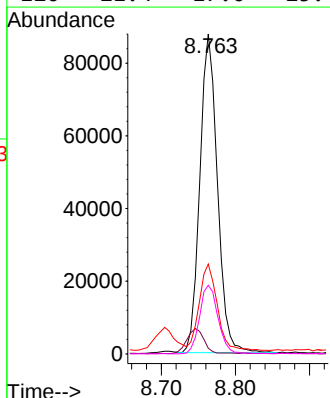
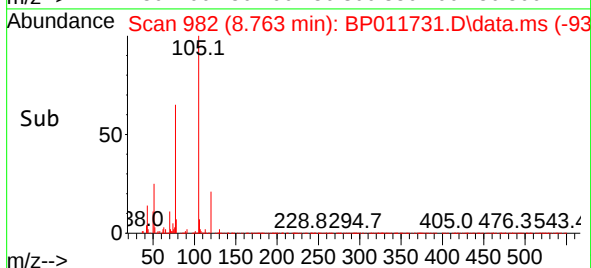
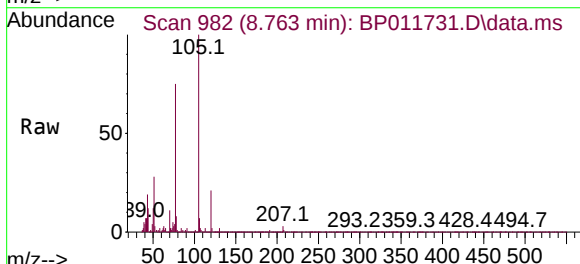
Manual Integrations
APPROVED

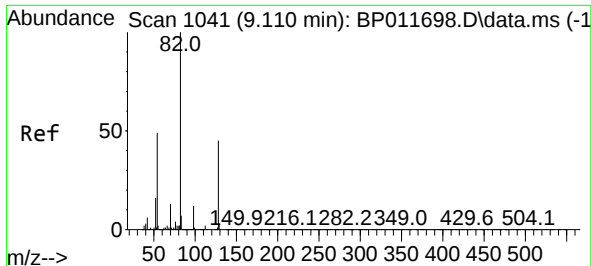
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#22
Acetophenone
Concen: 3.695 ng
RT: 8.763 min Scan# 982
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

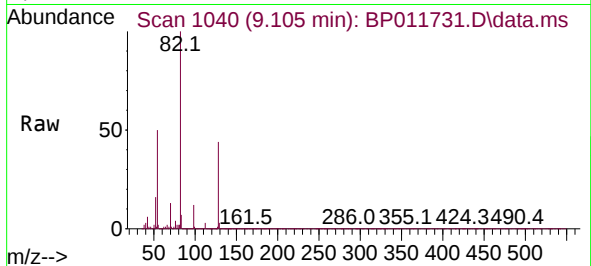
Tgt Ion:105 Resp: 144402
Ion Ratio Lower Upper
105 100
71 1.8 3.4 5.0#
51 28.1 29.5 44.3#
120 21.4 17.0 25.4





#23
Nitrobenzene-d5
Concen: 76.296 ng
RT: 9.105 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

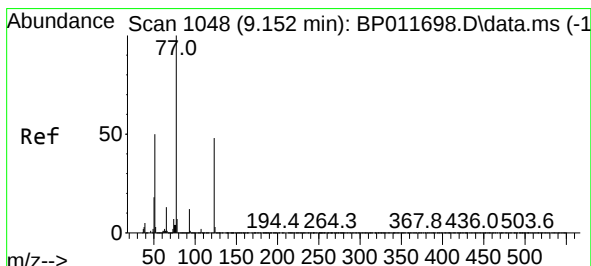
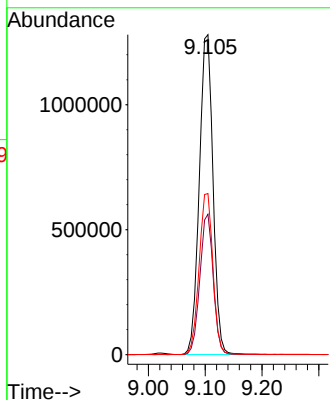
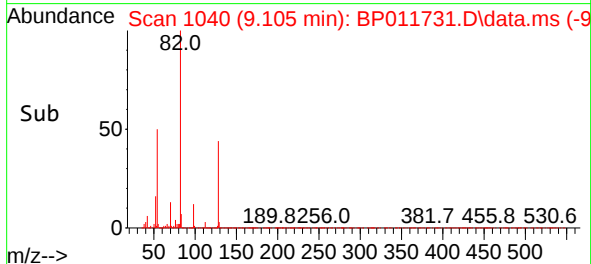
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 82 Resp: 2144499
Ion Ratio Lower Upper
82 100
128 43.9 31.3 46.9
54 50.3 49.8 74.8

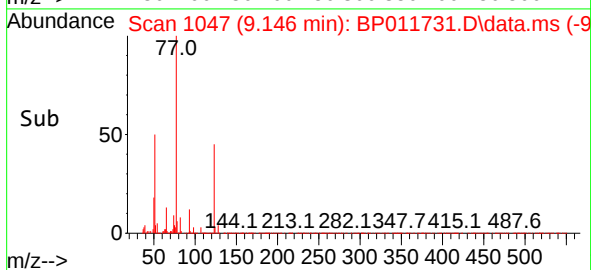
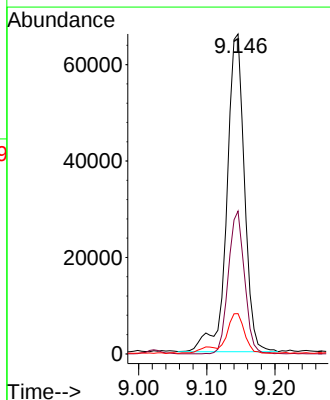
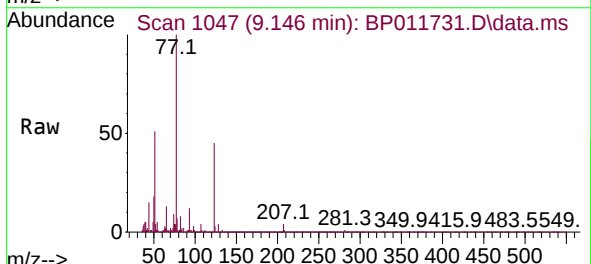
Manual Integrations
APPROVED

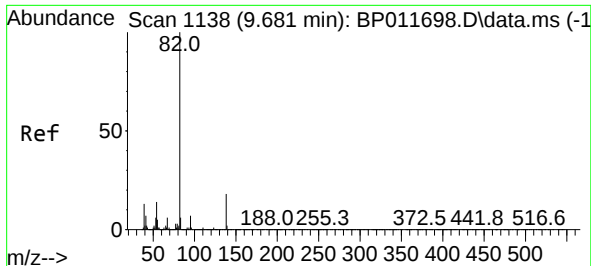
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#24
Nitrobenzene
Concen: 4.042 ng
RT: 9.146 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

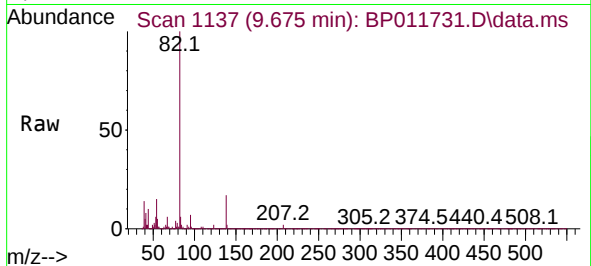
Tgt Ion: 77 Resp: 118208
Ion Ratio Lower Upper
77 100
123 44.6 31.1 46.7
65 12.6 12.1 18.1





#25
Isophorone
Concen: 3.337 ng
RT: 9.675 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

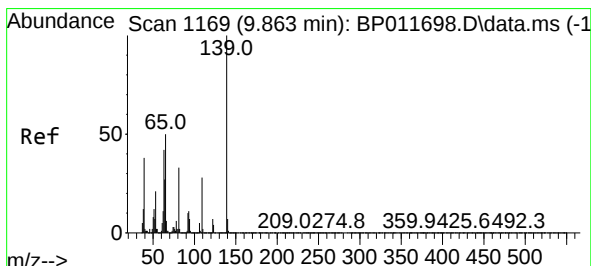
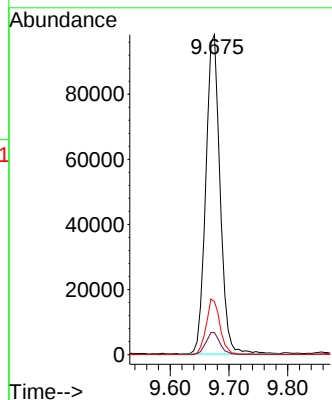
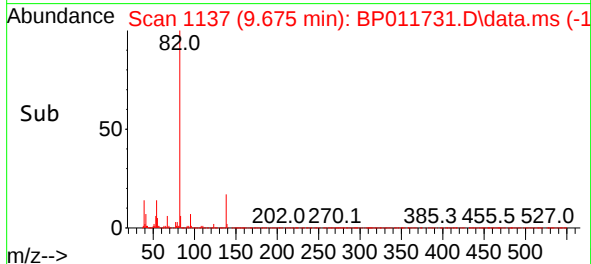
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 82 Resp: 16592
Ion Ratio Lower Upper
82 100
95 6.9 6.5 9.7
138 16.6 12.4 18.6

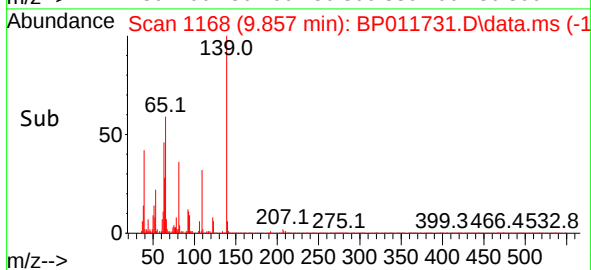
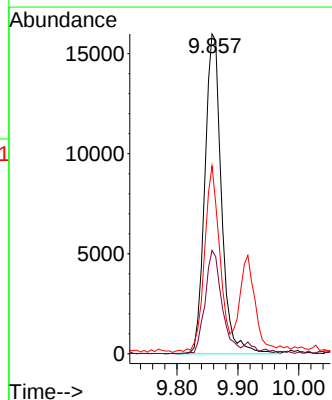
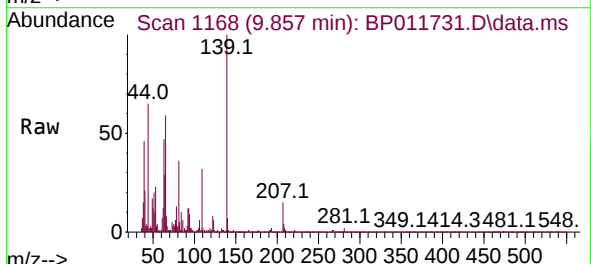
Manual Integrations
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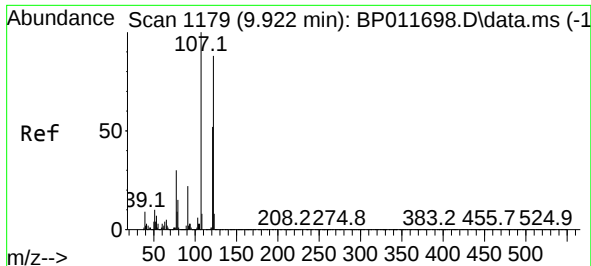
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#26
2-Nitrophenol
Concen: 2.527 ng
RT: 9.857 min Scan# 1168
Delta R.T. -0.005 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Tgt Ion:139 Resp: 30314
Ion Ratio Lower Upper
139 100
109 32.3 30.2 45.4
65 58.7 52.2 78.2





#27

2,4-Dimethylphenol

Concen: 3.583 ng

RT: 9.916 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

Instrument :

BNA_P

ClientSampleId :

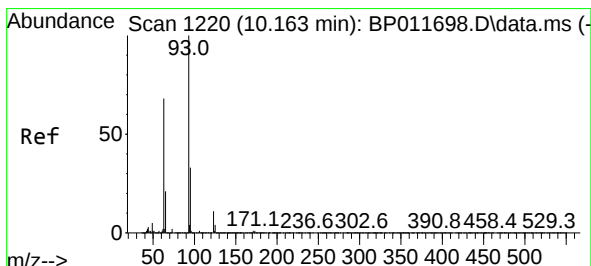
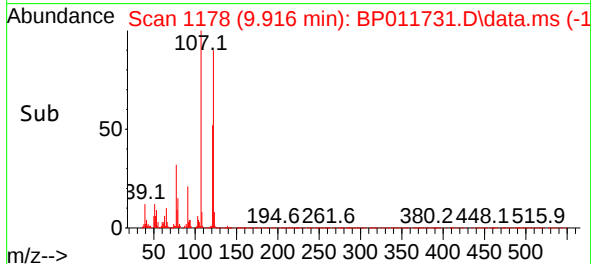
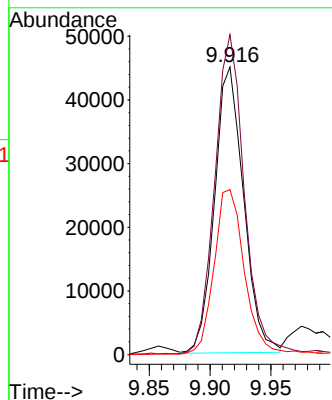
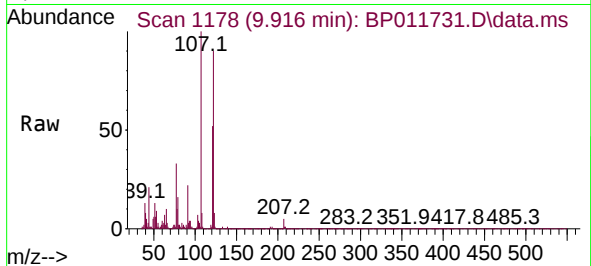
MDL-SOIL-03-QT3-2022

Tgt Ion: 122 Resp: 74479
 Ion Ratio Lower Upper
 122 100
 107 111.2 103.5 155.3
 121 57.4 47.5 71.3

Manual Integrations

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Reviewed By : Christian Giraldo 09/20/2022
 Supervised By : Jagrut Upadhyay 09/22/2022



#28

bis(2-Chloroethoxy)methane

Concen: 3.995 ng

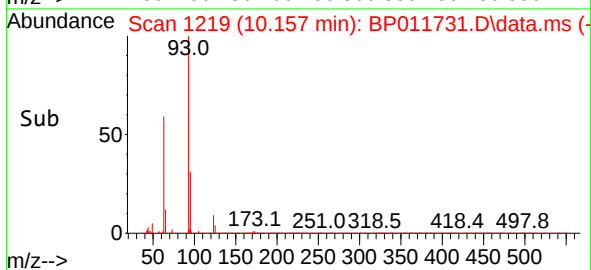
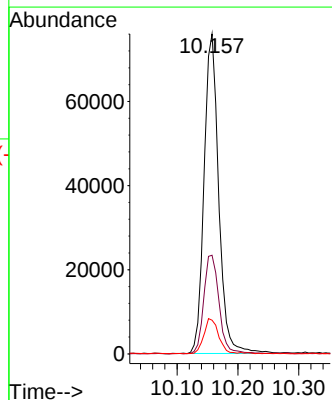
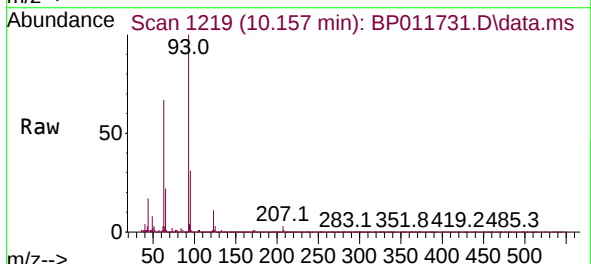
RT: 10.157 min Scan# 1219

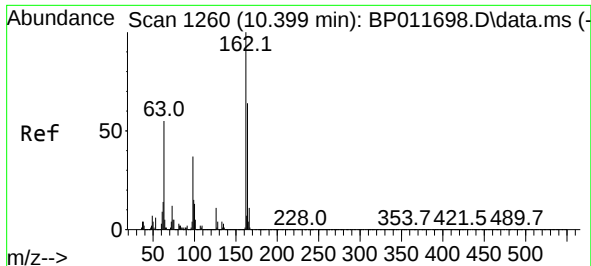
Delta R.T. -0.006 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

Tgt Ion: 93 Resp: 127021
 Ion Ratio Lower Upper
 93 100
 95 30.8 25.0 37.6
 123 10.5 9.0 13.6





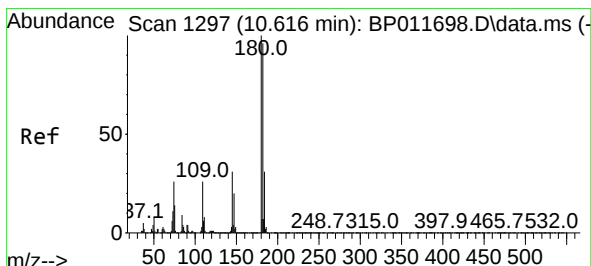
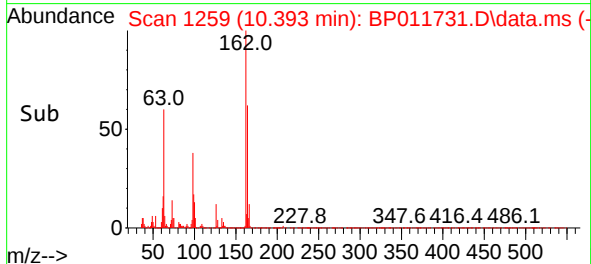
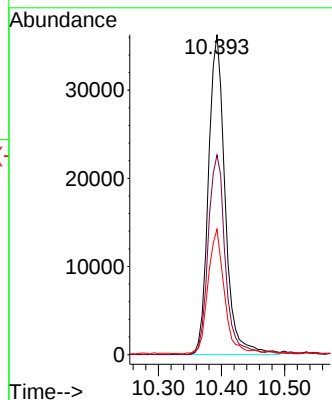
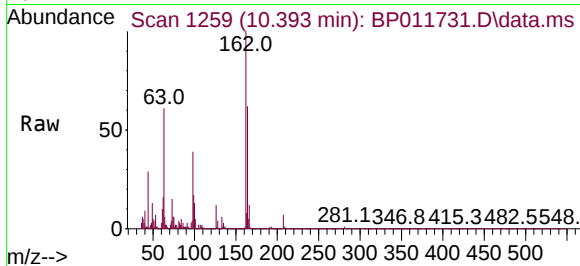
#29
2,4-Dichlorophenol
Concen: 2.892 ng
RT: 10.393 min Scan# 1259
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.4	43.0	83.0
98	39.2	20.4	60.4

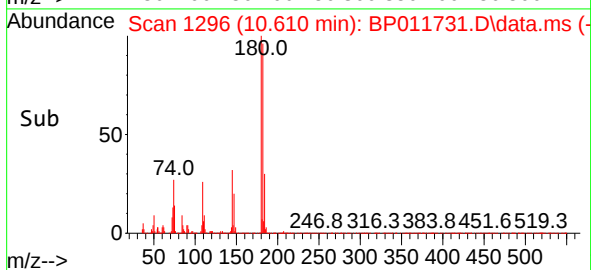
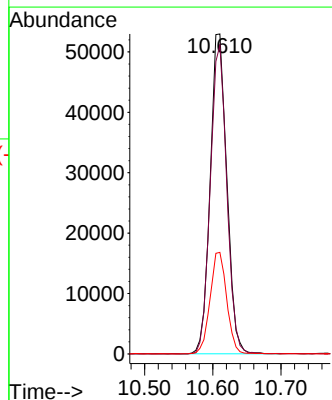
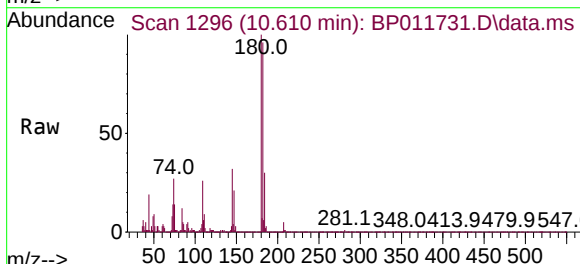
Manual Integrations
APPROVED

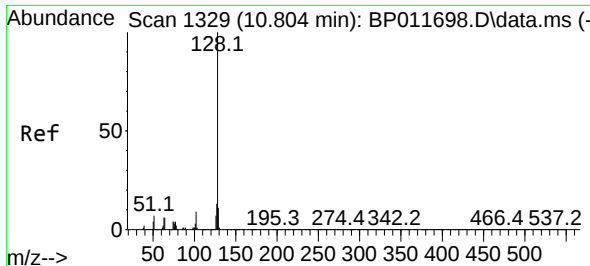
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#30
1,2,4-Trichlorobenzene
Concen: 3.525 ng
RT: 10.610 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	78.0	117.0
145	31.7	24.6	36.8





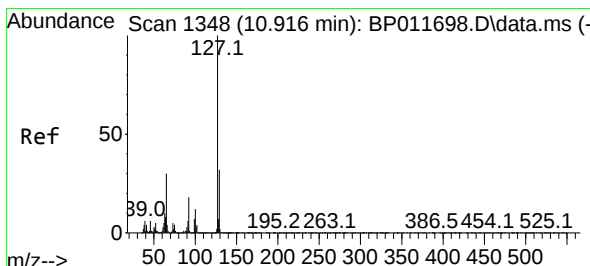
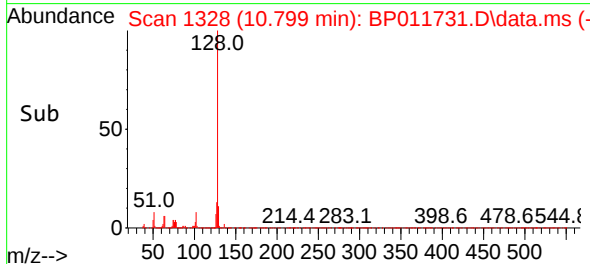
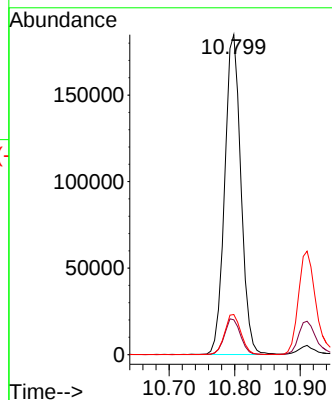
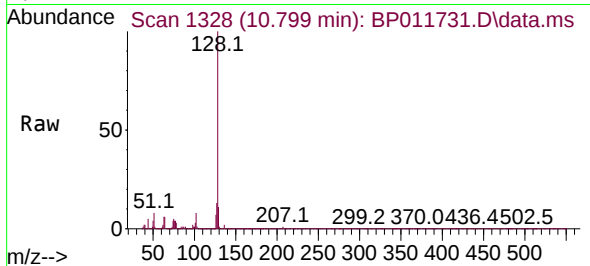
#31
Naphthalene
Concen: 3.668 ng
RT: 10.799 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:128 Resp: 317269
Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 12.5 10.3 15.5

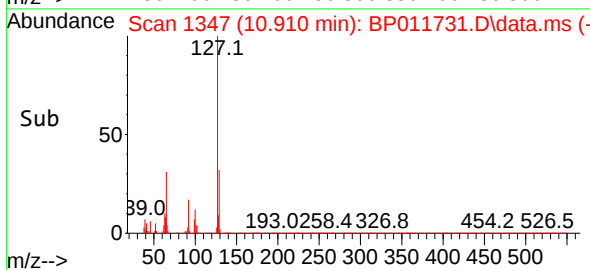
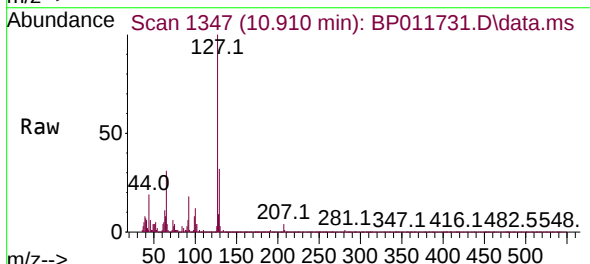
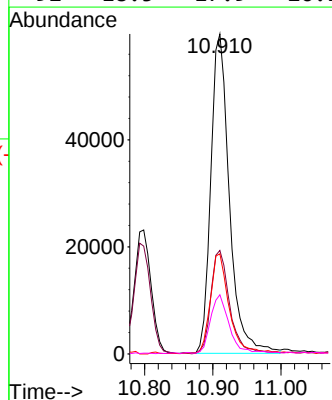
Manual Integrations
APPROVED

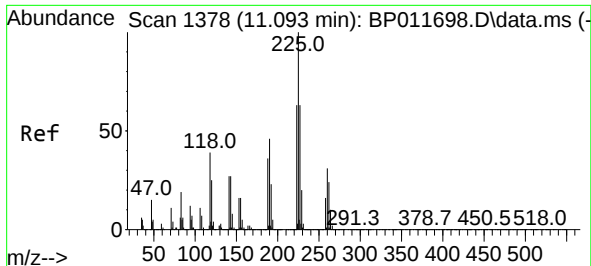
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#33
4-Chloroaniline
Concen: 3.331 ng
RT: 10.910 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

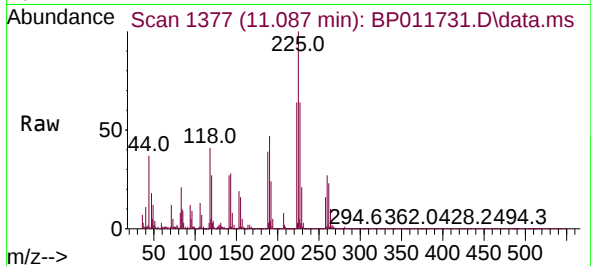
Tgt Ion:127 Resp: 113063
Ion Ratio Lower Upper
127 100
129 32.3 25.4 38.2
65 31.3 30.4 45.6
92 18.5 17.9 26.9





#34
Hexachlorobutadiene
Concen: 3.417 ng
RT: 11.087 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

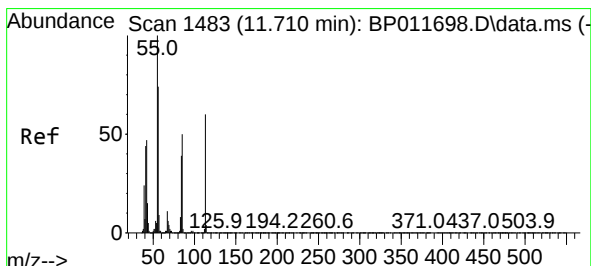
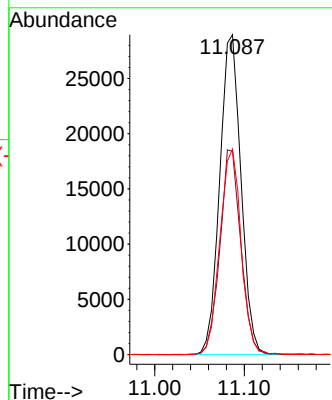
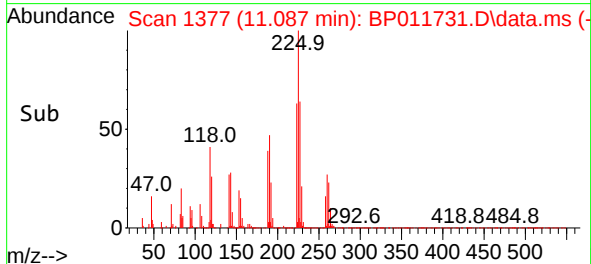
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2022



Tgt Ion: 225 Resp: 47990
Ion Ratio Lower Upper
225 100
223 63.5 52.2 78.4
227 64.2 50.8 76.2

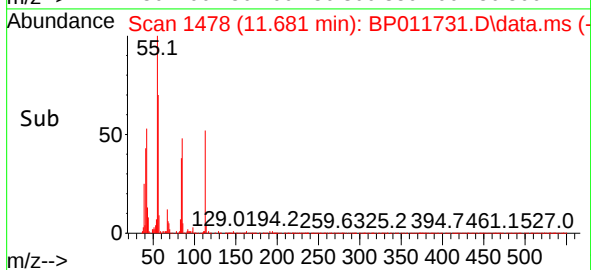
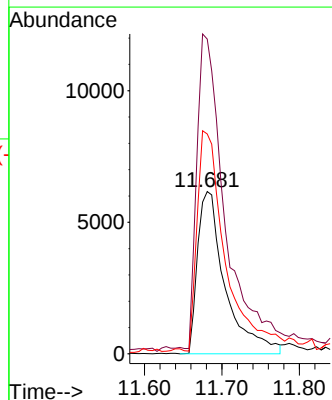
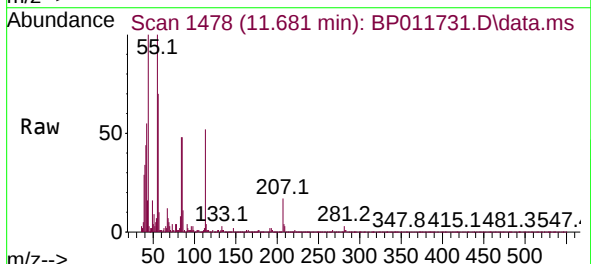
Manual Integrations
APPROVED

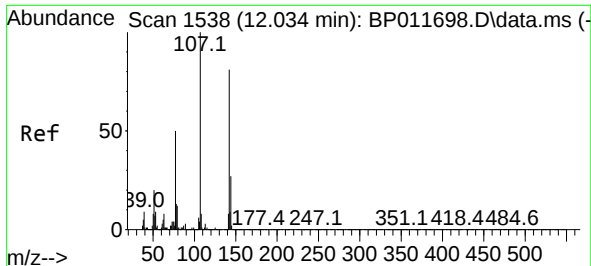
Reviewed By : Christian Giraldo 09/20/2022
Supervised By : Jagrut Upadhyay 09/22/2022



#35
Caprolactam
Concen: 2.052 ng
RT: 11.681 min Scan# 1478
Delta R.T. -0.029 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Tgt Ion: 113 Resp: 15313
Ion Ratio Lower Upper
113 100
55 193.9 198.6 238.6#
56 135.4 142.7 182.7#





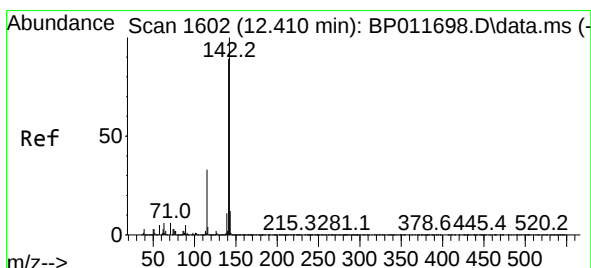
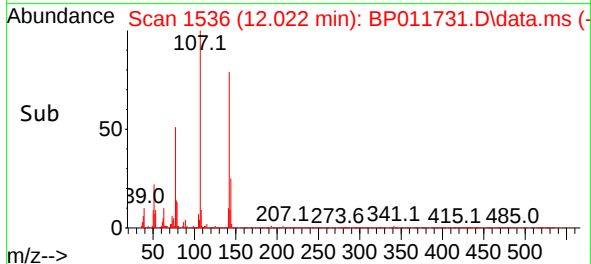
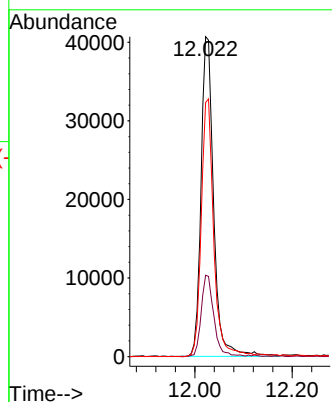
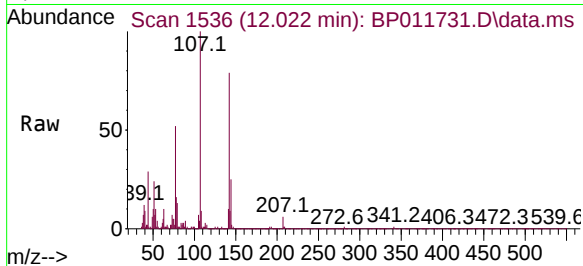
#36
4-Chloro-3-methylphenol
Concen: 2.943 ng
RT: 12.022 min Scan# 1536
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:107 Resp: 72893
Ion Ratio Lower Upper
107 100
144 25.4 19.8 29.6
142 79.4 59.0 88.4

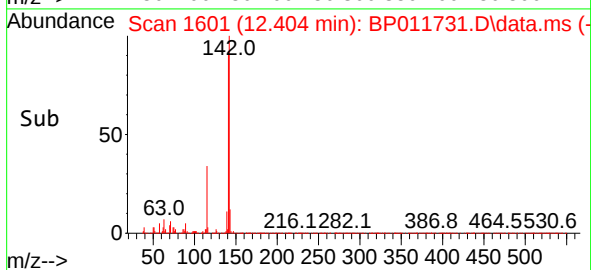
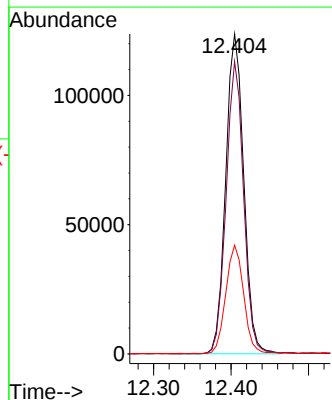
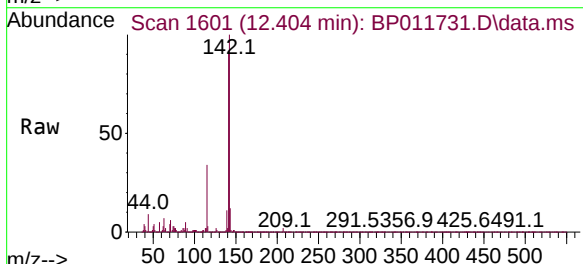
Manual Integrations
APPROVED

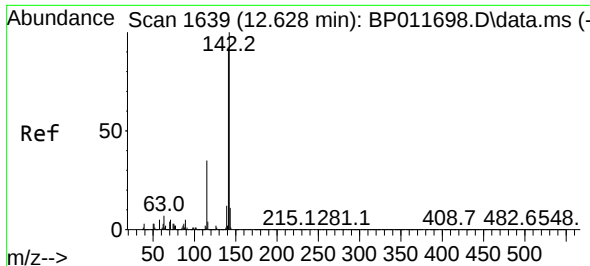
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#37
2-Methylnaphthalene
Concen: 3.464 ng
RT: 12.404 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Tgt Ion:142 Resp: 200559
Ion Ratio Lower Upper
142 100
141 91.4 71.3 106.9
115 34.0 31.4 47.2





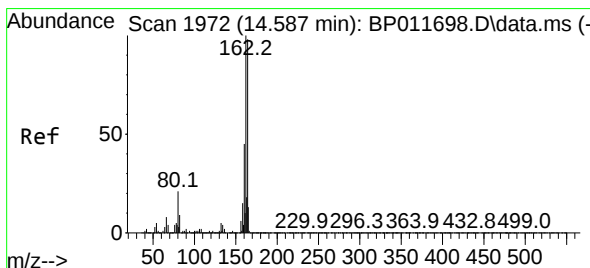
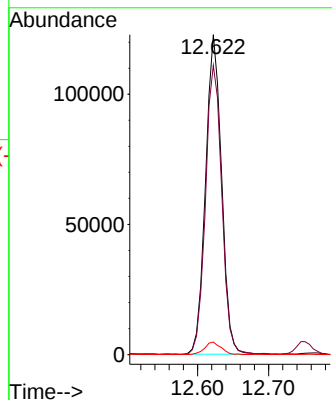
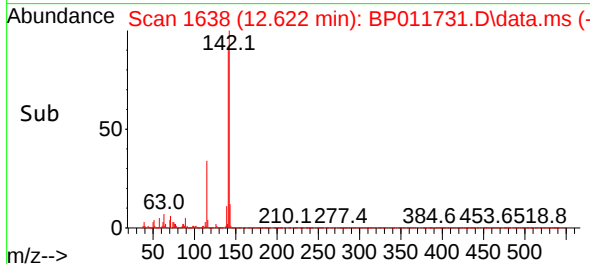
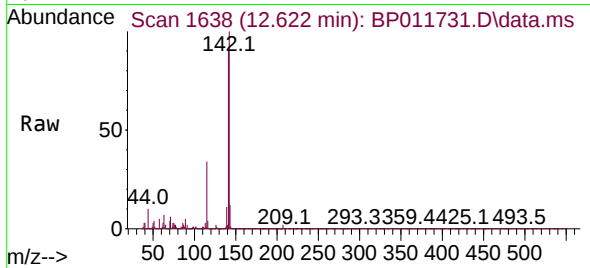
#38
1-Methylnaphthalene
Concen: 3.380 ng
RT: 12.622 min Scan# 1639
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2022

Tgt Ion:142 Resp: 191325
Ion Ratio Lower Upper
142 100
141 90.4 72.6 108.8
116 3.9 3.3 4.9

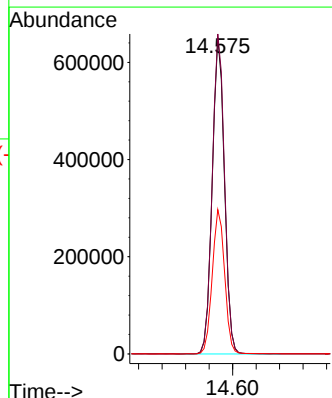
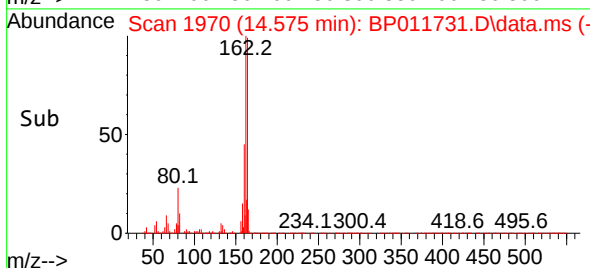
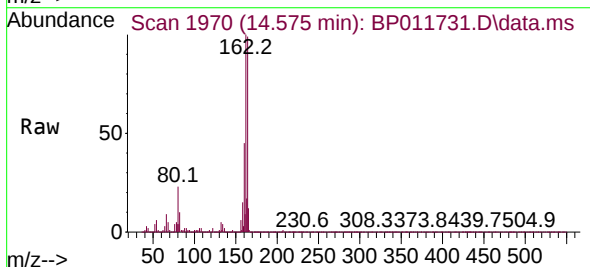
Manual Integrations
APPROVED

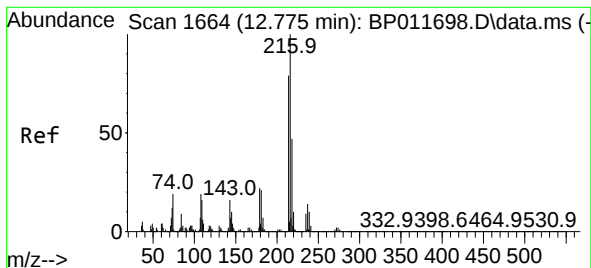
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.575 min Scan# 1970
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

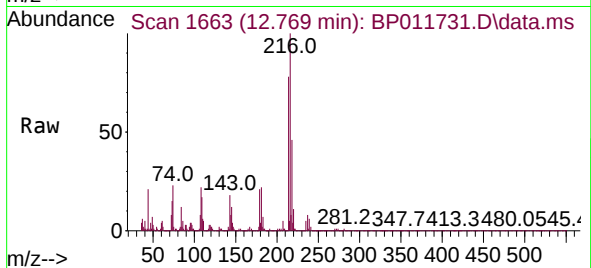
Tgt Ion:164 Resp: 934705
Ion Ratio Lower Upper
164 100
162 101.2 81.9 122.9
160 45.6 34.6 51.8





#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.641 ng
RT: 12.769 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

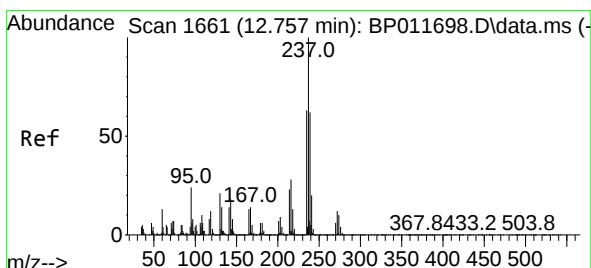
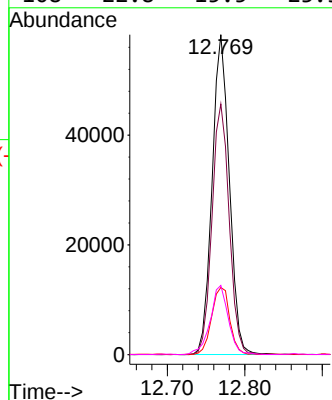
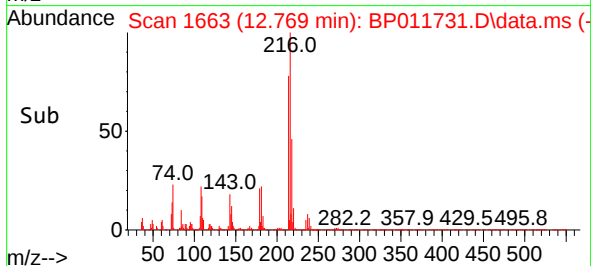
Instrument : BNA_P
Client Sample Id : MDL-SOIL-03-QT3-2022



Tgt Ion: 216 Resp: 89829
Ion Ratio Lower Upper
216 100
214 78.3 61.9 92.9
179 22.1 17.0 25.6
108 22.8 15.5 23.3

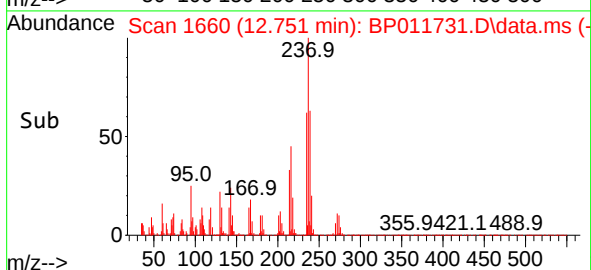
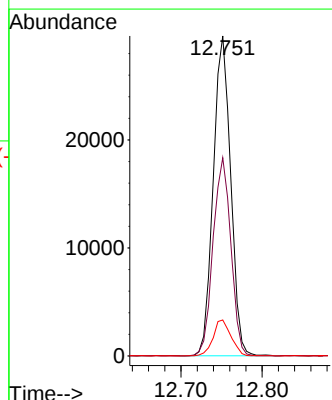
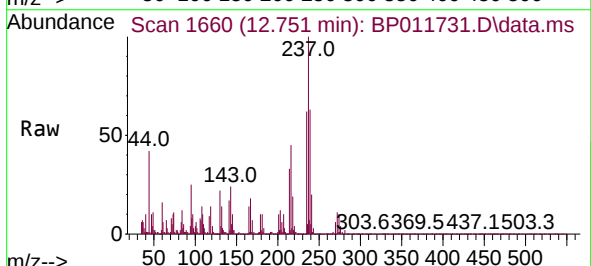
Manual Integrations
APPROVED

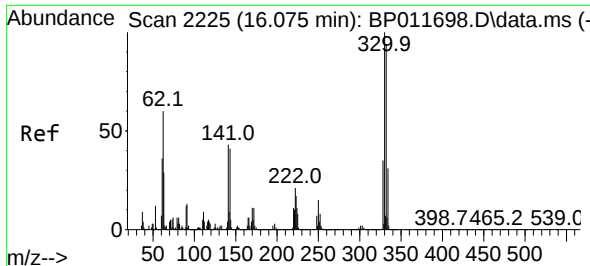
Reviewed By : Christian Giraldo 09/20/2022
Supervised By : Jagrut Upadhyay 09/22/2022



#41
Hexachlorocyclopentadiene
Concen: 3.587 ng
RT: 12.751 min Scan# 1660
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Tgt Ion: 237 Resp: 44166
Ion Ratio Lower Upper
237 100
235 61.9 43.3 83.3
272 11.2 0.0 33.0





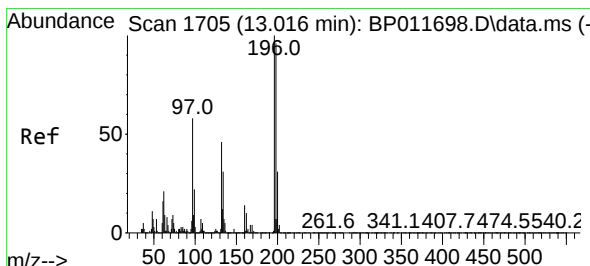
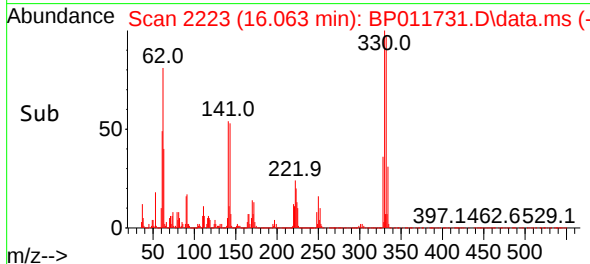
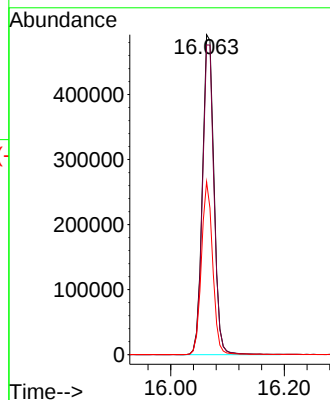
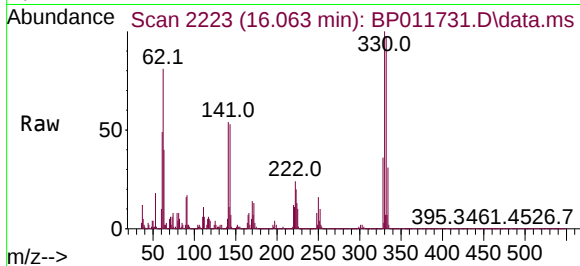
#42
2,4,6-Tribromophenol
Concen: 94.770 ng
RT: 16.063 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:330 Resp: 69212
Ion Ratio Lower Upper
330 100
332 96.5 78.1 117.1
141 52.5 31.4 47.2

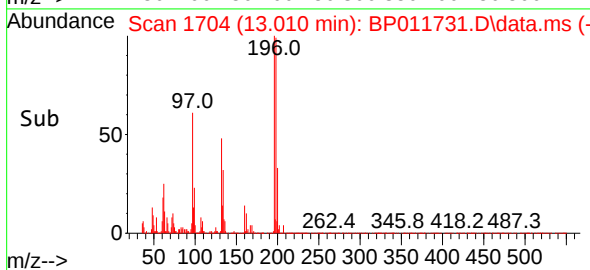
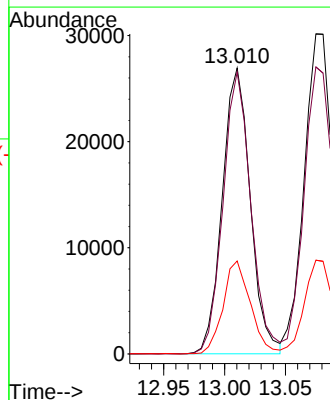
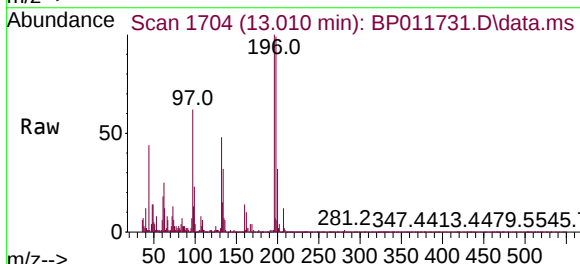
Manual Integrations
APPROVED

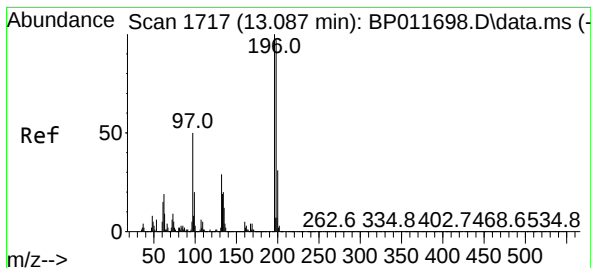
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#43
2,4,6-Trichlorophenol
Concen: 2.574 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

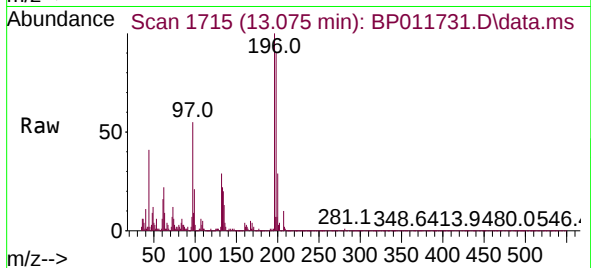
Tgt Ion:196 Resp: 43189
Ion Ratio Lower Upper
196 100
198 98.6 77.7 116.5
200 32.5 25.5 38.3





#44
2,4,5-Trichlorophenol
Concen: 2.854 ng
RT: 13.075 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

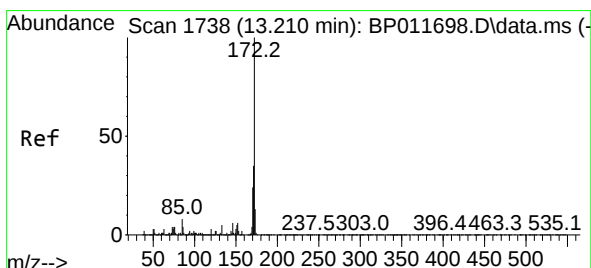
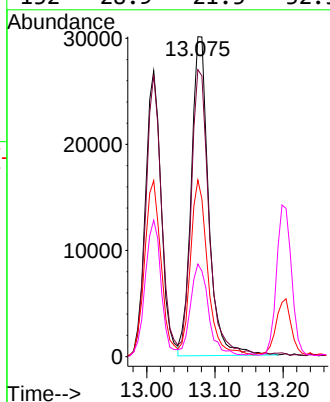
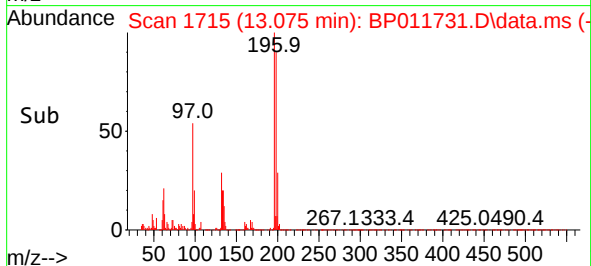
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2022



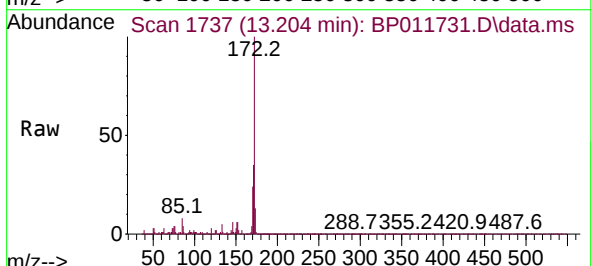
Tgt Ion:196 Resp: 53552
Ion Ratio Lower Upper
196 100
198 89.7 75.7 113.5
97 55.2 42.4 63.6
132 28.9 21.5 32.3

Manual Integrations
APPROVED

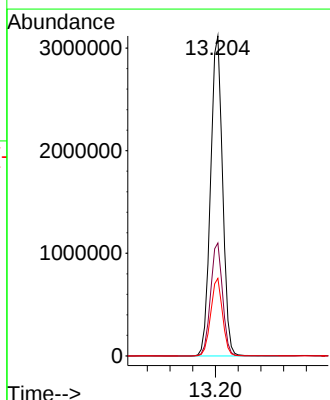
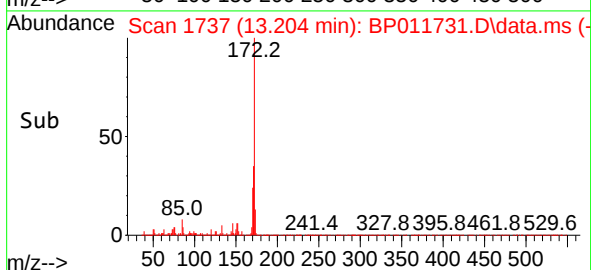
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022

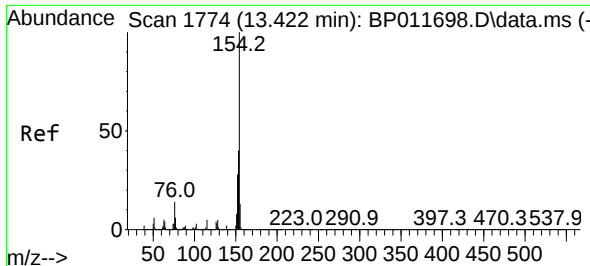


#45
2-Fluorobiphenyl
Concen: 76.336 ng
RT: 13.204 min Scan# 1737
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38



Tgt Ion:172 Resp: 4590179
Ion Ratio Lower Upper
172 100
171 35.3 27.9 41.9
170 24.2 18.2 27.2





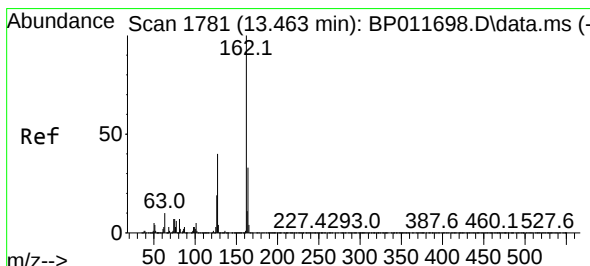
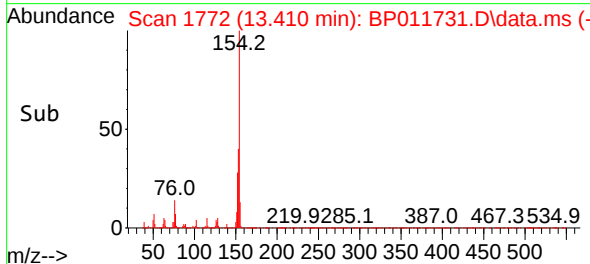
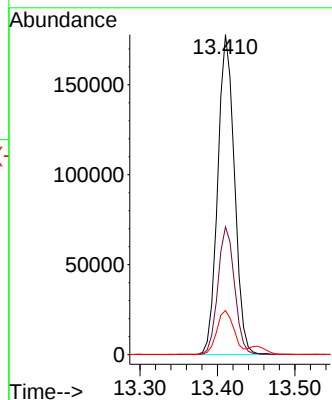
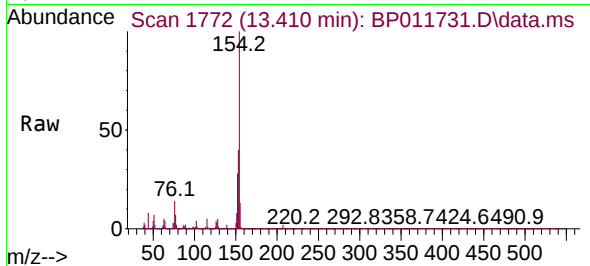
#46
1,1'-Biphenyl
Concen: 3.917 ng
RT: 13.410 min Scan# 1772
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:154 Resp: 266363
Ion Ratio Lower Upper
154 100
153 39.9 20.1 60.1
76 13.8 0.0 33.2

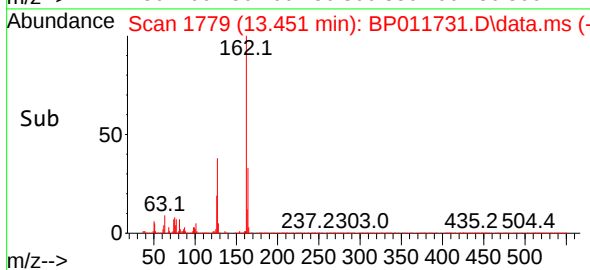
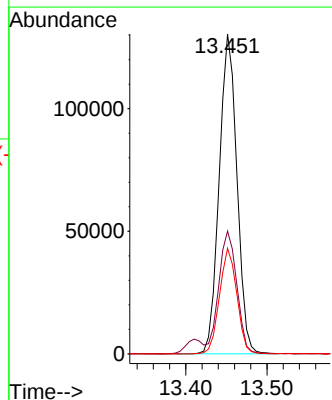
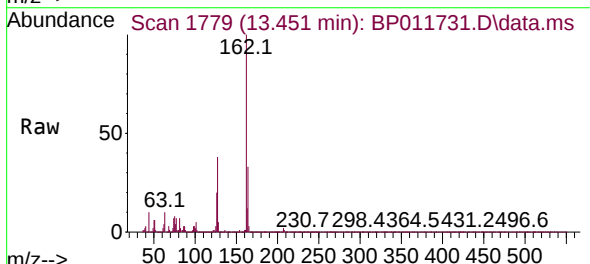
Manual Integrations
APPROVED

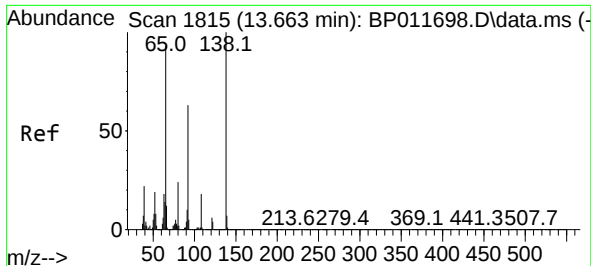
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#47
2-Chloronaphthalene
Concen: 3.695 ng
RT: 13.451 min Scan# 1779
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Tgt Ion:162 Resp: 197670
Ion Ratio Lower Upper
162 100
127 38.4 32.4 48.6
164 33.0 26.3 39.5





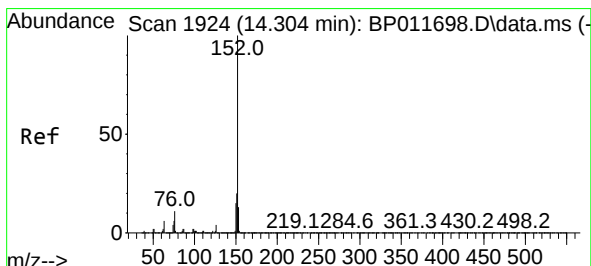
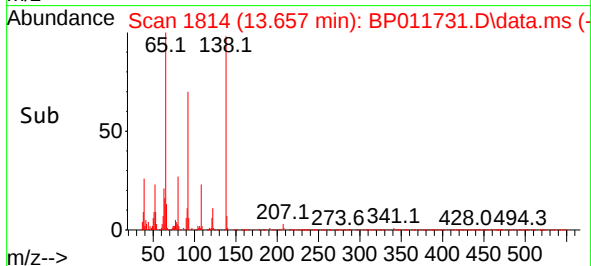
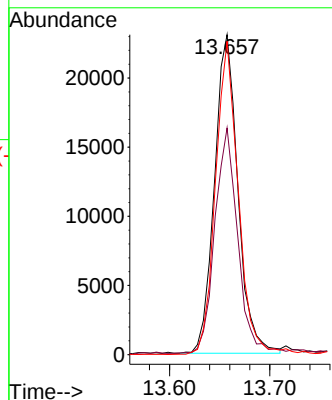
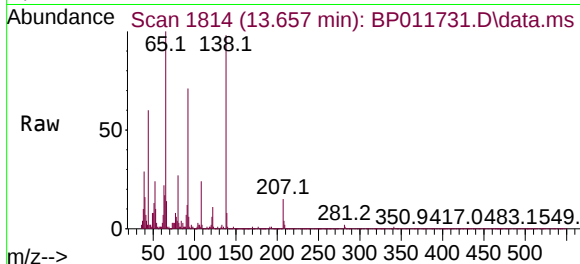
#48
2-Nitroaniline
Concen: 2.497 ng
RT: 13.657 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Instrument :
BNA_P
Client Sample Id :
MDL-SOIL-03-QT3-2022

Tgt Ion: 65 Resp: 37465
Ion Ratio Lower Upper
65 100
92 70.8 50.0 75.0
138 97.9 71.2 106.8

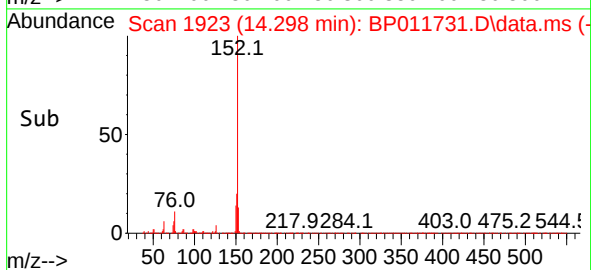
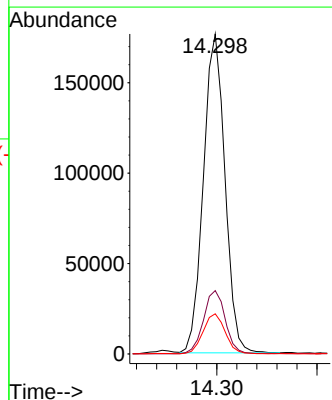
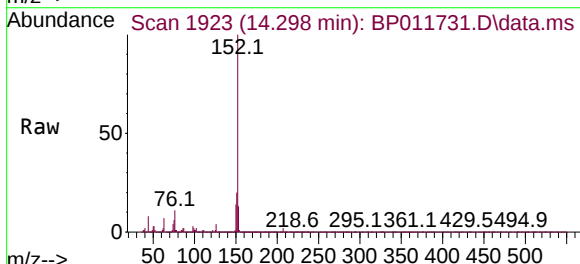
Manual Integrations
APPROVED

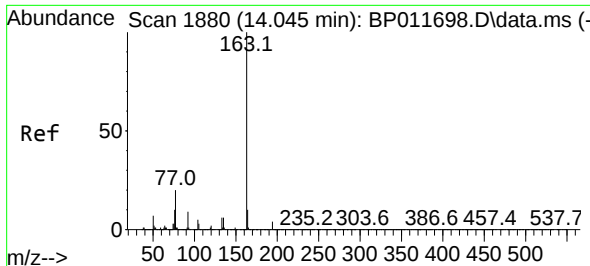
Reviewed By : Christian Giraldo 09/20/2022
Supervised By : Jagrut Upadhyay 09/22/2022



#49
Acenaphthylene
Concen: 3.176 ng
RT: 14.298 min Scan# 1923
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

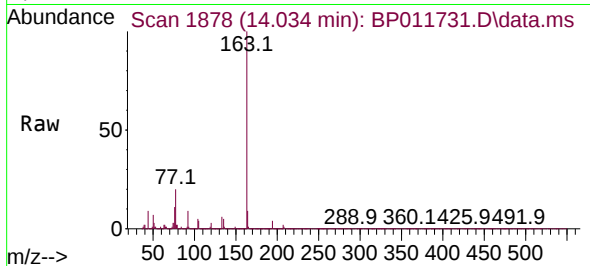
Tgt Ion: 152 Resp: 262890
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 12.5 10.4 15.6





#50
Dimethylphthalate
Concen: 3.326 ng
RT: 14.034 min Scan# 1880
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

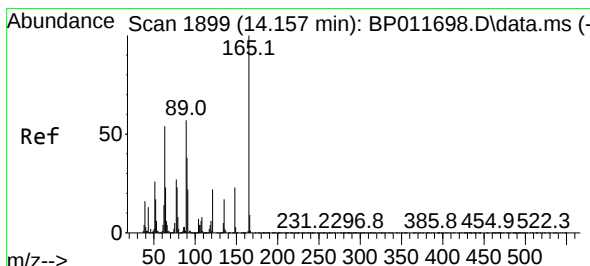
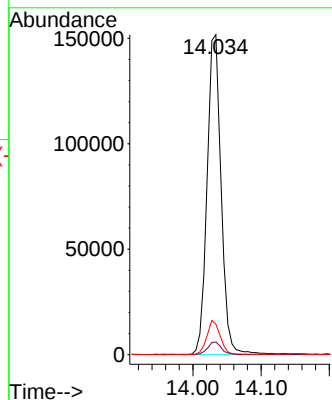
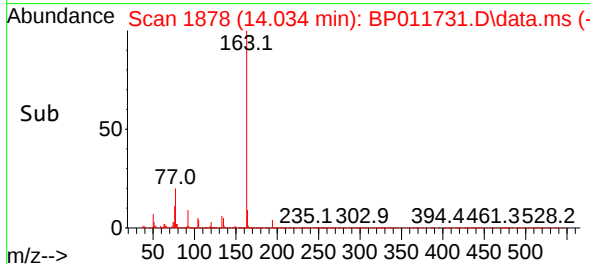
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:163 Resp: 21691
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.5 8.2 12.4

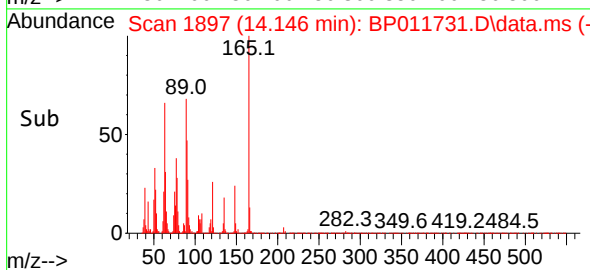
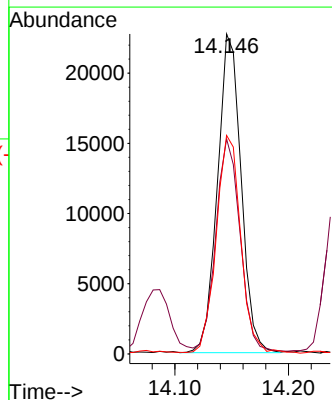
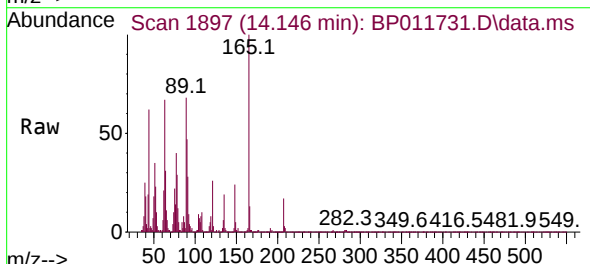
Manual Integrations
APPROVED

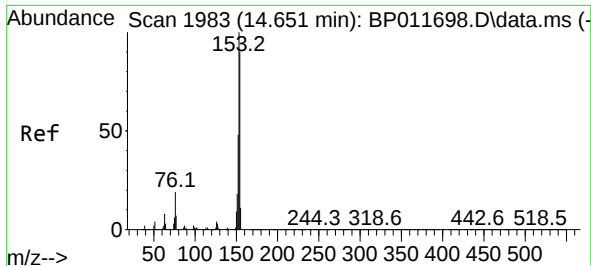
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#51
2,6-Dinitrotoluene
Concen: 2.483 ng
RT: 14.146 min Scan# 1897
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

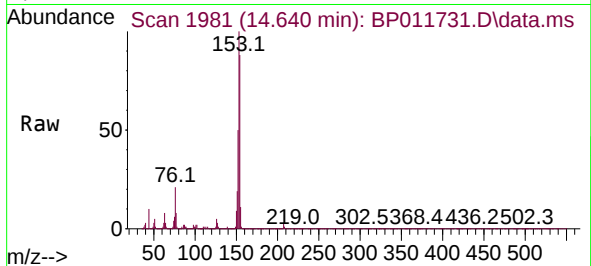
Tgt Ion:165 Resp: 32834
Ion Ratio Lower Upper
165 100
63 67.2 57.3 85.9
89 68.3 50.2 75.2





#52
Acenaphthene
Concen: 3.382 ng m
RT: 14.640 min Scan# 1983
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

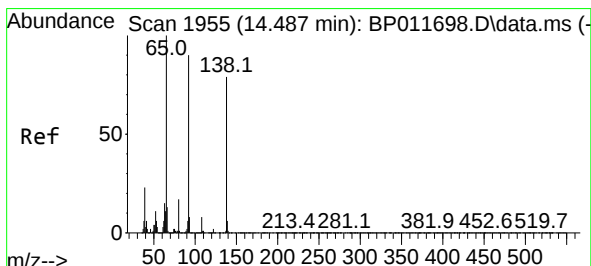
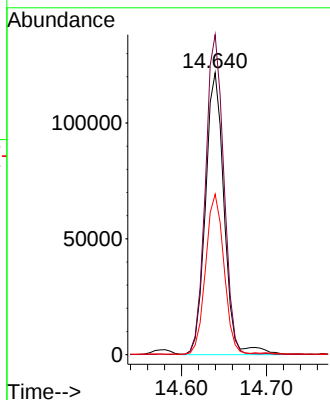
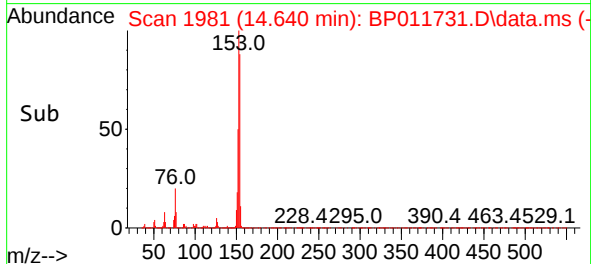
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:154 Resp: 186244
Ion Ratio Lower Upper
154 100
153 113.5 87.4 131.2
152 56.9 41.7 62.5

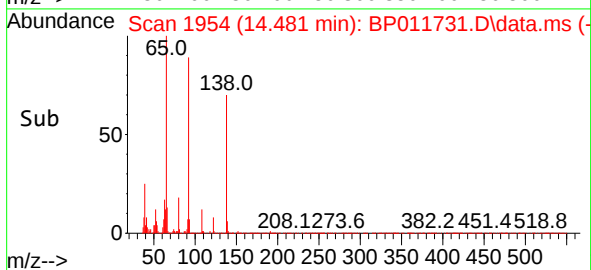
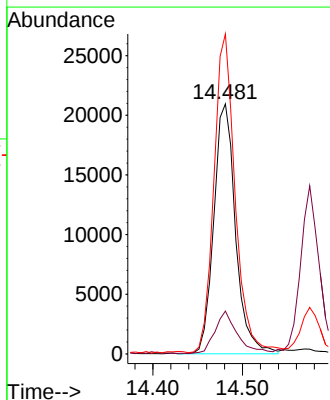
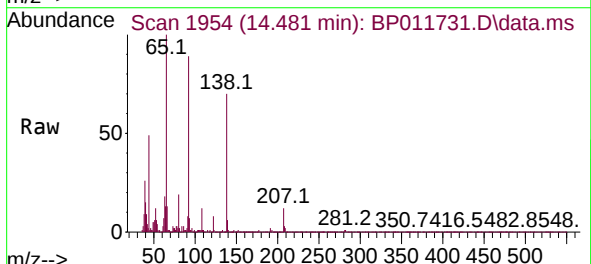
Manual Integrations
APPROVED

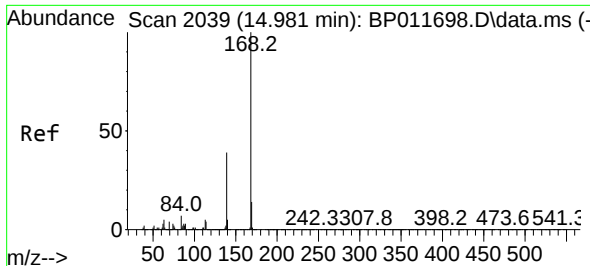
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#53
3-Nitroaniline
Concen: 2.313 ng
RT: 14.481 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

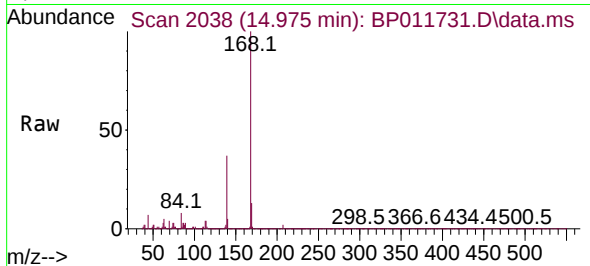
Tgt Ion:138 Resp: 35271
Ion Ratio Lower Upper
138 100
108 17.1 9.5 14.3#
92 128.0 99.9 149.9





#55
Dibenzenofuran
Concen: 3.666 ng
RT: 14.975 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

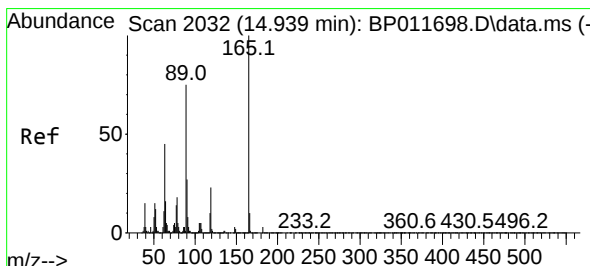
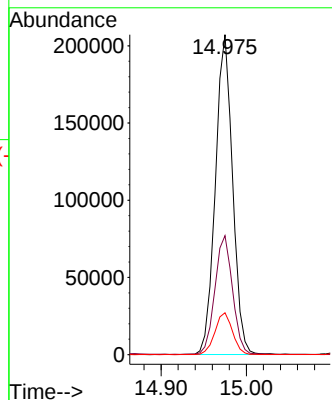
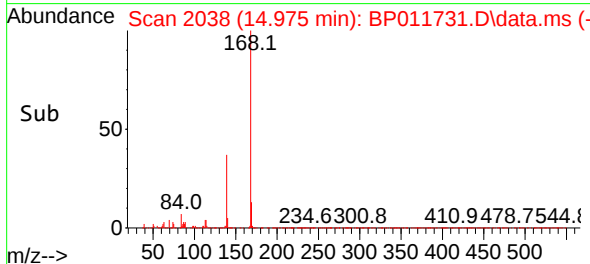
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022



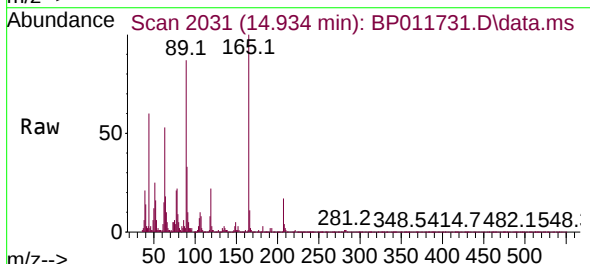
Tgt Ion:168 Resp: 290675
Ion Ratio Lower Upper
168 100
139 37.2 31.5 47.3
169 13.1 10.3 15.5

Manual Integrations
APPROVED

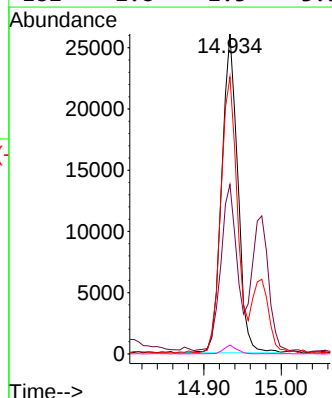
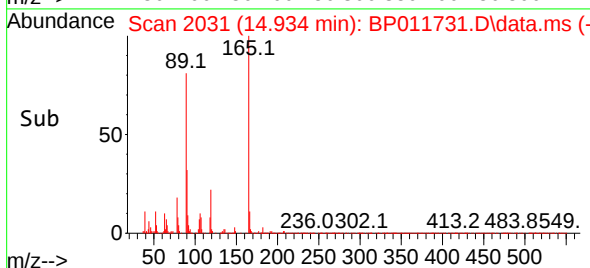
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022

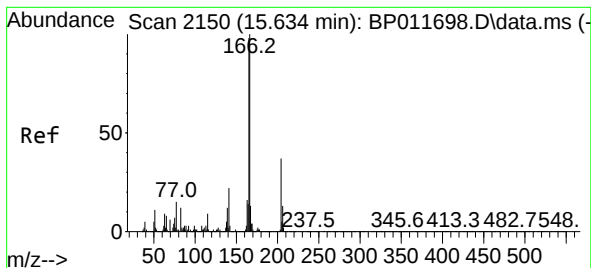


#57
2,4-Dinitrotoluene
Concen: 2.190 ng
RT: 14.934 min Scan# 2031
Delta R.T. -0.005 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38



Tgt Ion:165 Resp: 37514
Ion Ratio Lower Upper
165 100
63 52.9 46.2 69.2
89 86.6 65.8 98.8
182 2.8 2.3 3.5





#58

Fluorene

Concen: 3.469 ng

RT: 15.622 min Scan# 2150

Delta R.T. -0.012 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2022

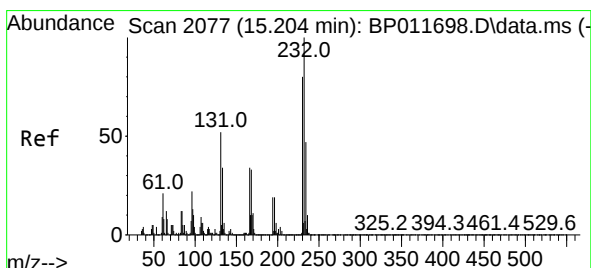
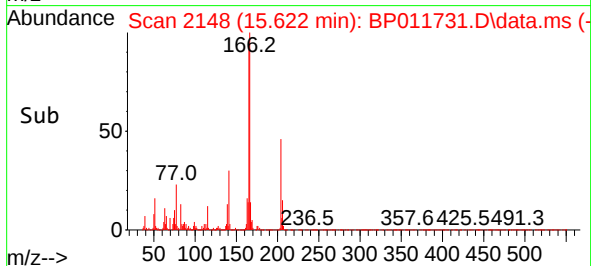
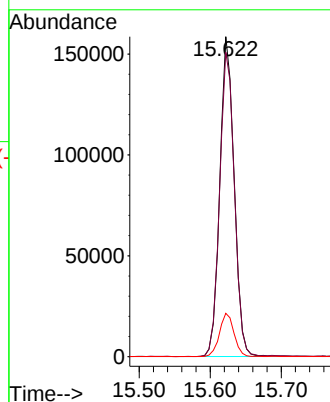
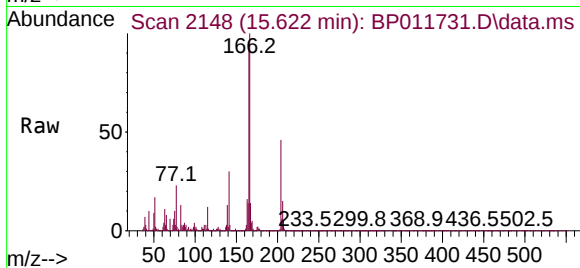
Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.1	77.0	115.4
167	13.5	10.9	16.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/20/2022

Supervised By :Jagrut Upadhyay 09/22/2022



#59

2,3,4,6-Tetrachlorophenol

Concen: 2.550 ng m

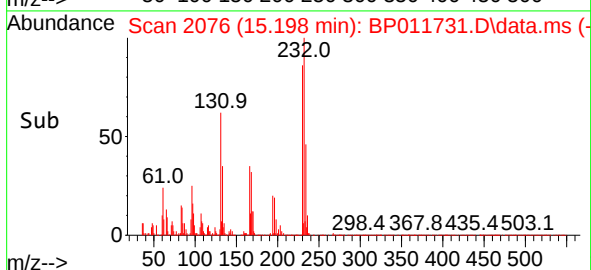
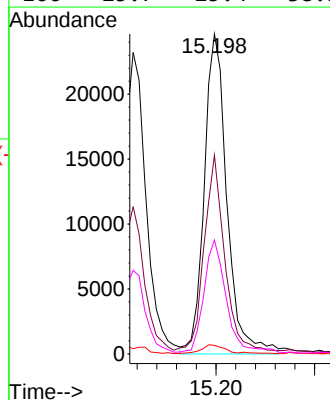
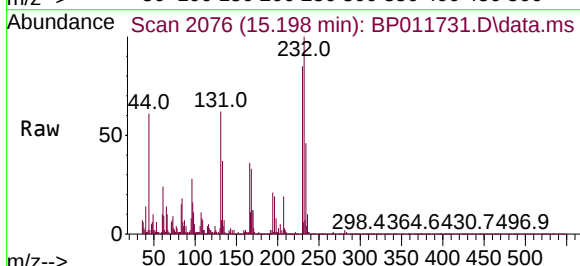
RT: 15.198 min Scan# 2076

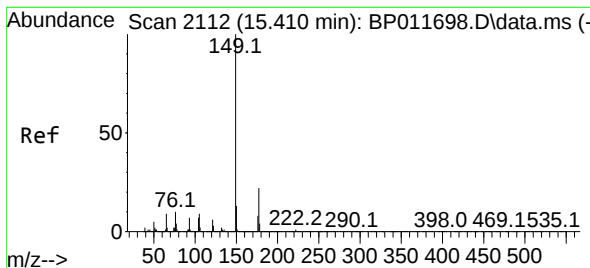
Delta R.T. -0.006 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

Tgt Ion	Ratio	Lower	Upper
232	100		
131	44.4	37.0	55.6
130	2.6	2.2	3.2
166	25.7	25.4	38.2





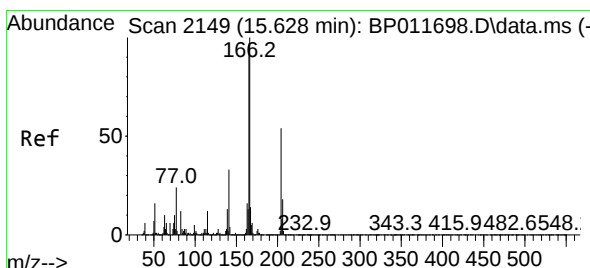
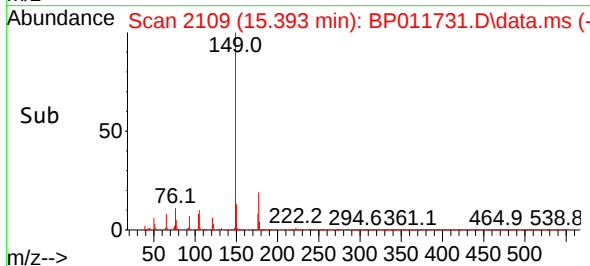
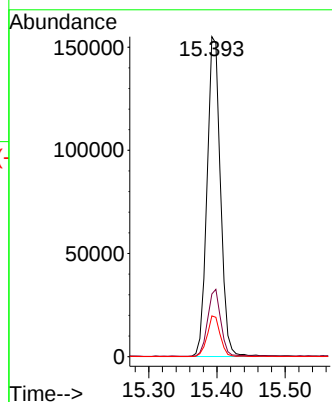
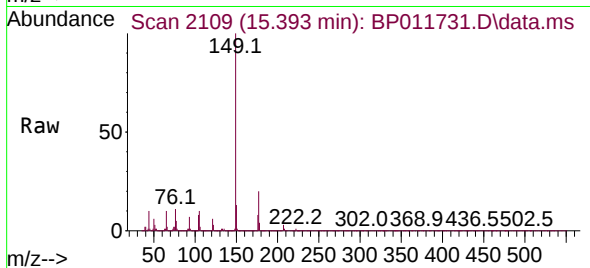
#60
Diethylphthalate
Concen: 3.257 ng
RT: 15.393 min Scan# 21145
Delta R.T. -0.018 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:149 Resp: 21145
Ion Ratio Lower Upper
149 100
177 19.6 17.8 26.8
150 12.7 9.9 14.9

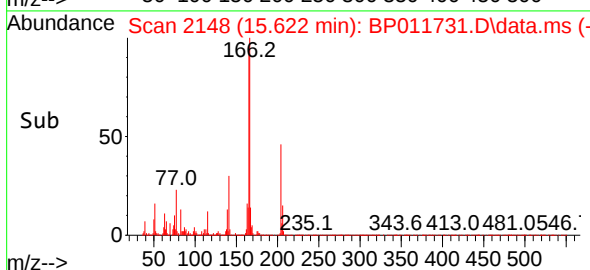
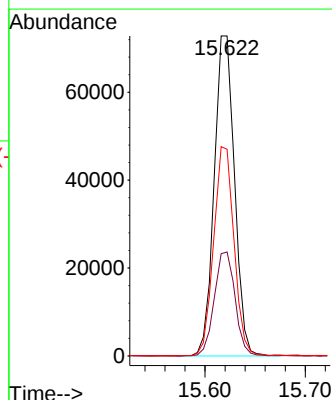
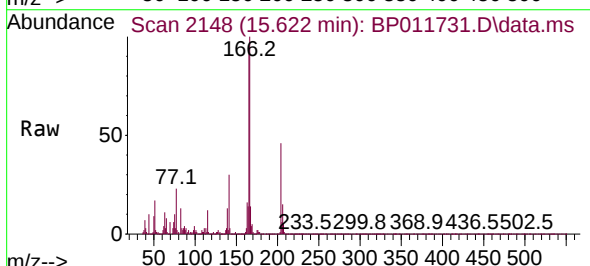
Manual Integrations
APPROVED

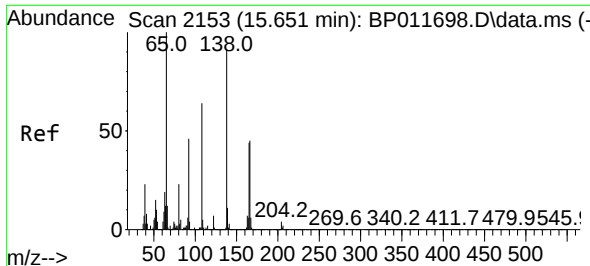
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#61
4-Chlorophenyl-phenylether
Concen: 3.453 ng
RT: 15.622 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Tgt Ion:204 Resp: 102648
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 64.6 51.1 76.7





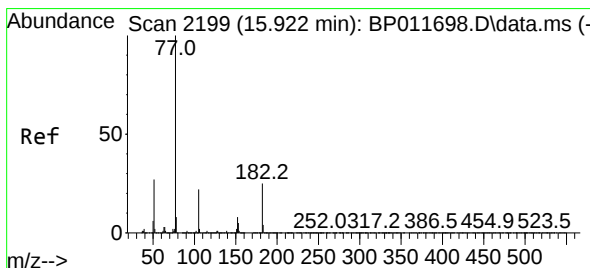
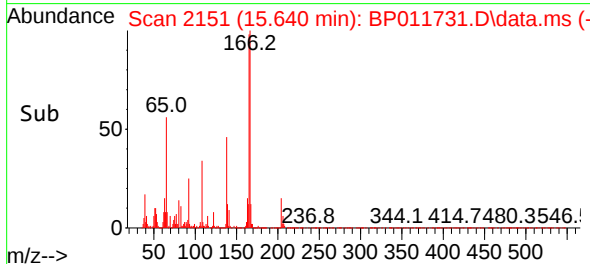
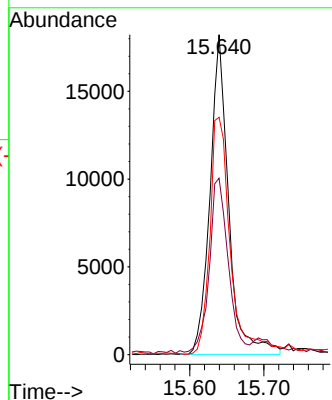
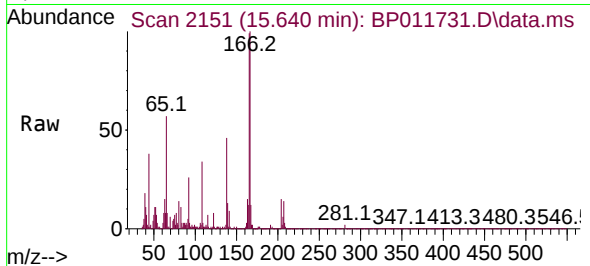
#62
4-Nitroaniline
Concen: 2.071 ng
RT: 15.640 min Scan# 2153
Delta R.T. -0.011 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:	138	Resp:	3173
Ion Ratio	Lower	Upper	
138	100		
92	55.1	38.0	78.0
108	74.2	77.6	117.6

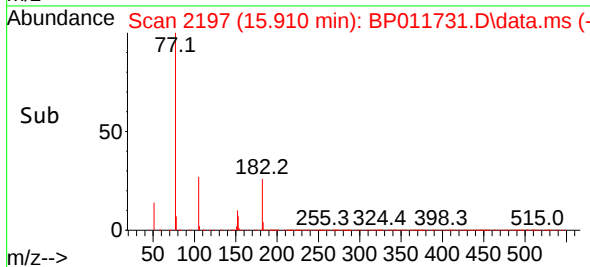
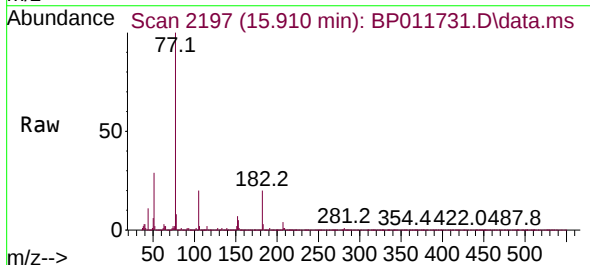
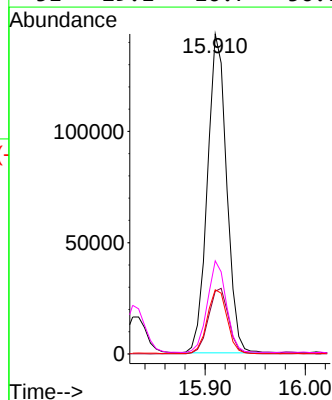
Manual Integrations
APPROVED

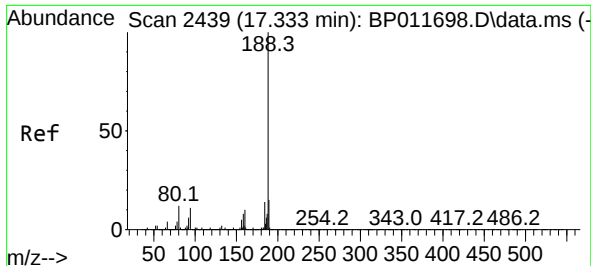
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#63
Azobenzene
Concen: 3.053 ng
RT: 15.910 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Tgt Ion:	77	Resp:	190446
Ion Ratio	Lower	Upper	
77	100		
182	19.6	3.0	43.0
105	20.0	0.0	38.6
51	29.1	16.7	56.7





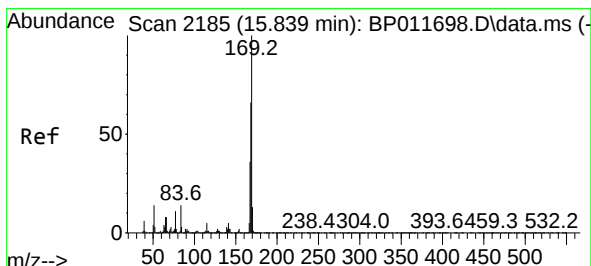
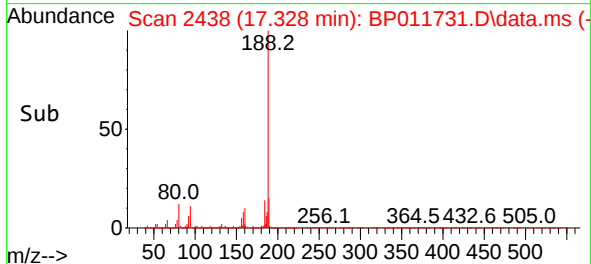
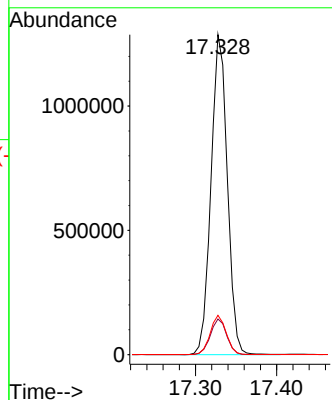
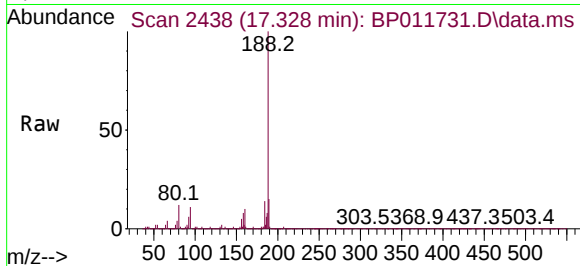
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.328 min Scan# 2439
Delta R.T. -0.005 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:188 Resp: 1798999
Ion Ratio Lower Upper
188 100
94 11.1 6.6 10.0
80 12.3 8.0 12.0

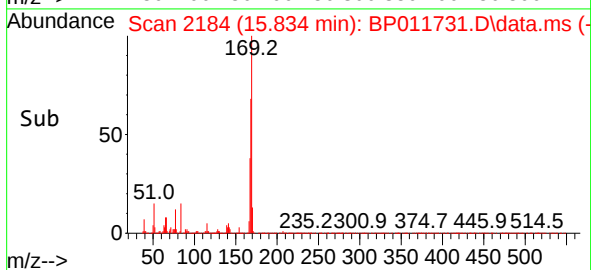
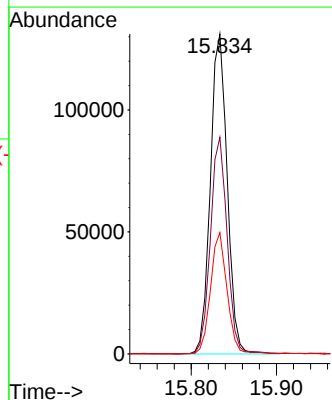
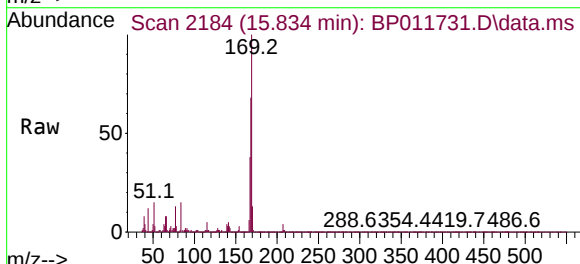
Manual Integrations
APPROVED

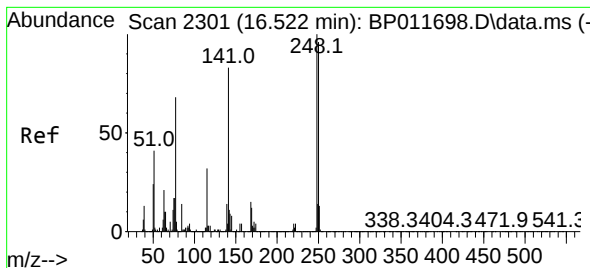
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#66
n-Nitrosodiphenylamine
Concen: 3.359 ng
RT: 15.834 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Tgt Ion:169 Resp: 179777
Ion Ratio Lower Upper
169 100
168 67.7 51.8 77.8
167 37.9 28.3 42.5





#67

4-Bromophenyl-phenylether

Concen: 3.123 ng

RT: 16.516 min Scan# 2319

Delta R.T. -0.006 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2022

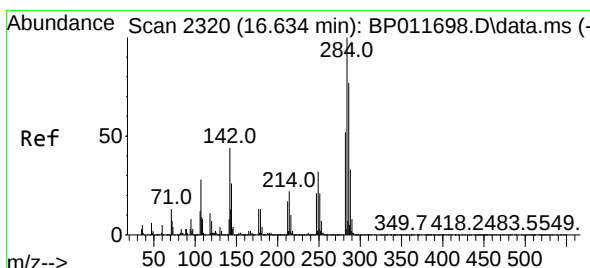
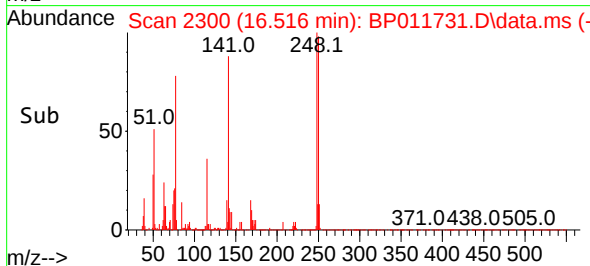
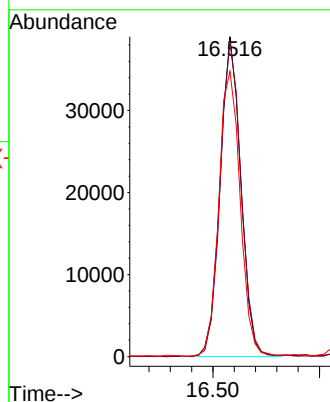
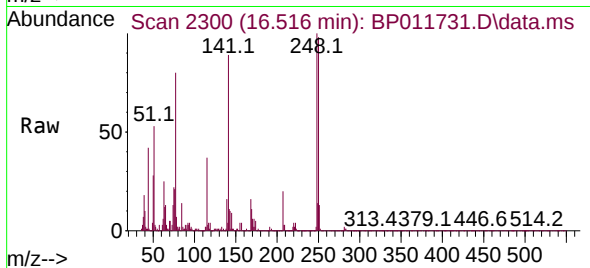
Tgt Ion:	248	Resp:	5259
Ion Ratio	Lower	Upper	
248	100		
250	98.2	77.7	116.5
141	89.1	62.0	93.0

Manual Integrations

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Reviewed By :Christian Giraldo 09/20/2022

Supervised By :Jagrut Upadhyay 09/22/2022



#68

Hexachlorobenzene

Concen: 3.338 ng

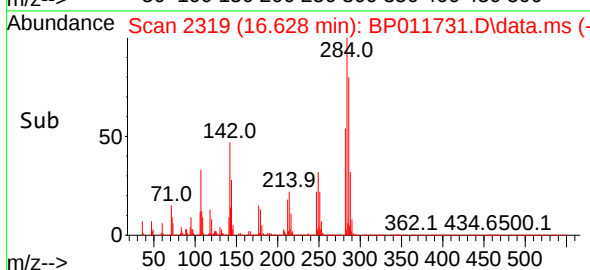
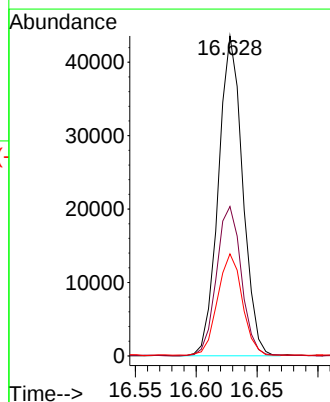
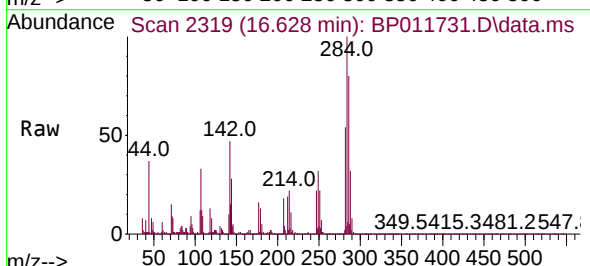
RT: 16.628 min Scan# 2319

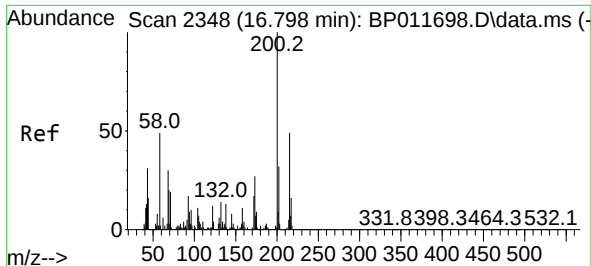
Delta R.T. -0.006 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

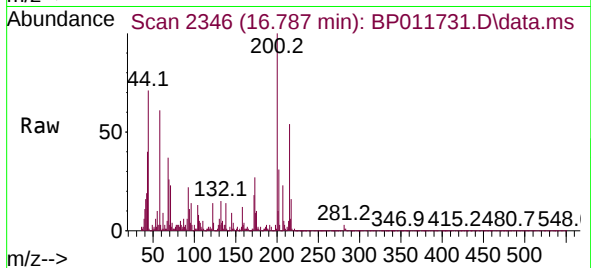
Tgt Ion:	284	Resp:	60547
Ion Ratio	Lower	Upper	
284	100		
142	46.7	30.8	46.2
249	31.9	26.8	40.2





#69
 Atrazine
 Concen: 3.013 ng
 RT: 16.787 min Scan# 2348
 Delta R.T. -0.012 min
 Lab File: BP011731.D
 Acq: 19 Sep 2022 11:38

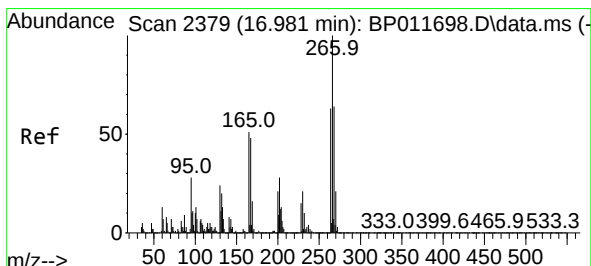
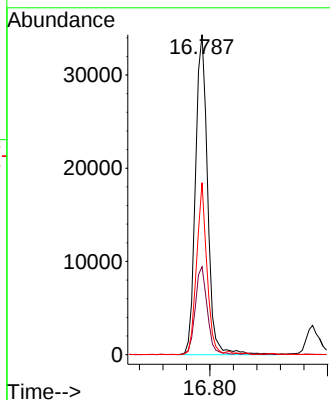
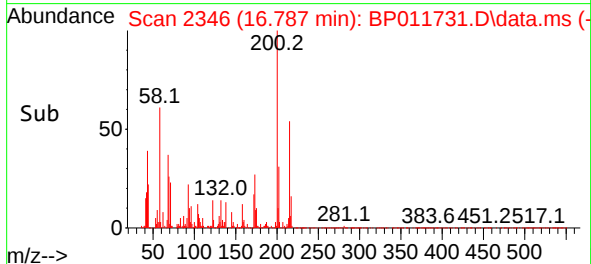
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2022



Tgt Ion:200 Resp: 49233
 Ion Ratio Lower Upper
 200 100
 173 27.5 5.3 45.3
 215 53.8 29.4 69.4

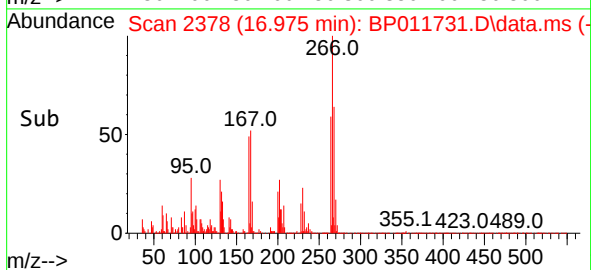
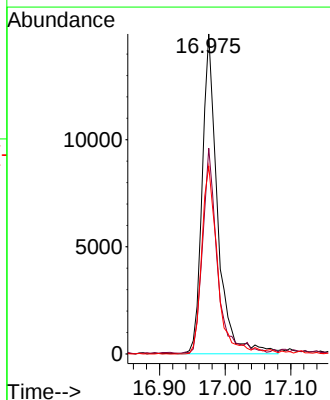
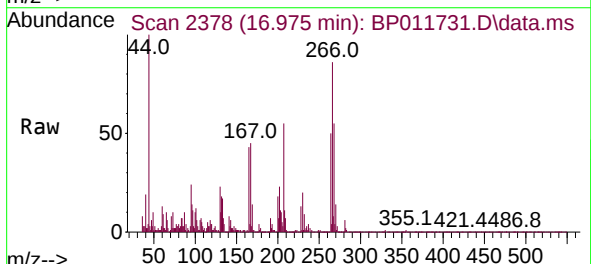
Manual Integrations
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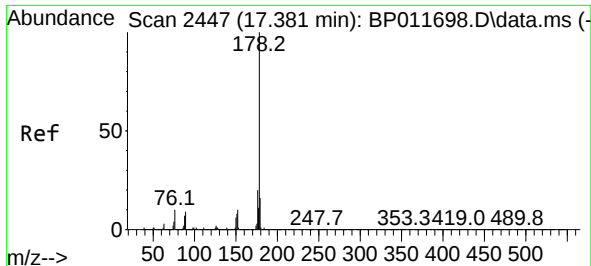
Reviewed By :Christian Giraldo 09/20/2022
 Supervised By :Jagrut Upadhyay 09/22/2022



#70
 Pentachlorophenol
 Concen: 2.105 ng
 RT: 16.975 min Scan# 2378
 Delta R.T. -0.006 min
 Lab File: BP011731.D
 Acq: 19 Sep 2022 11:38

Tgt Ion:266 Resp: 24215
 Ion Ratio Lower Upper
 266 100
 268 64.3 50.5 75.7
 264 58.7 50.4 75.6





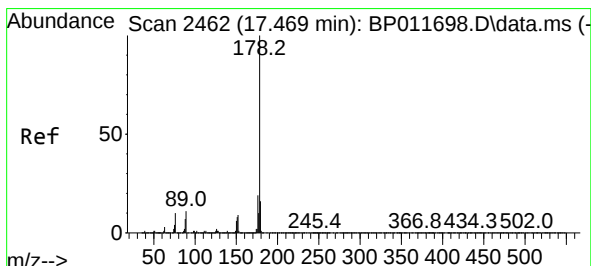
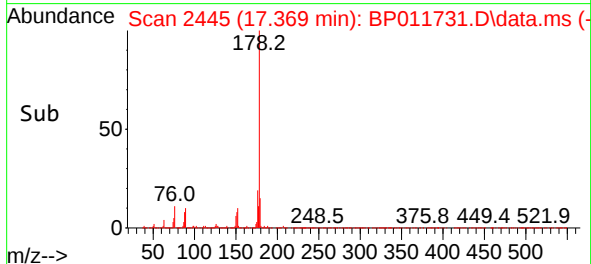
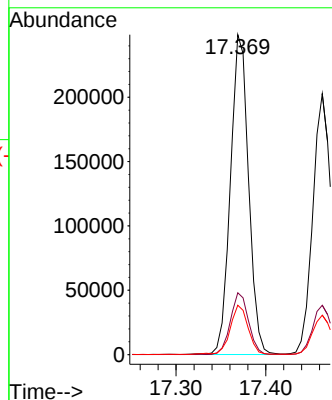
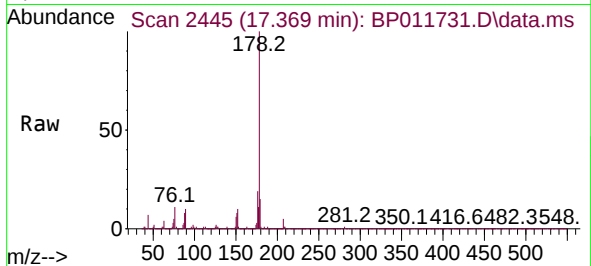
#71
Phenanthrene
Concen: 3.566 ng
RT: 17.369 min Scan# 2445
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2022

Tgt Ion:178 Resp: 349045
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 15.4 12.2 18.2

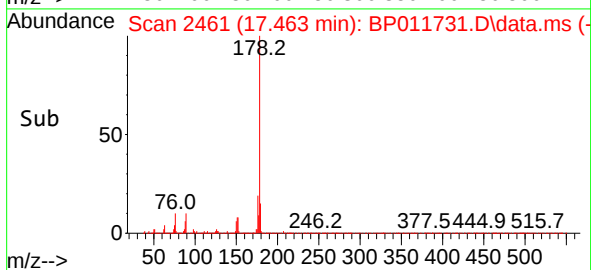
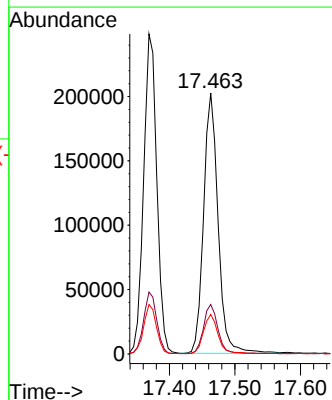
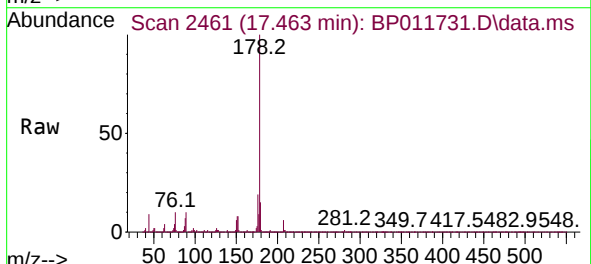
Manual Integrations
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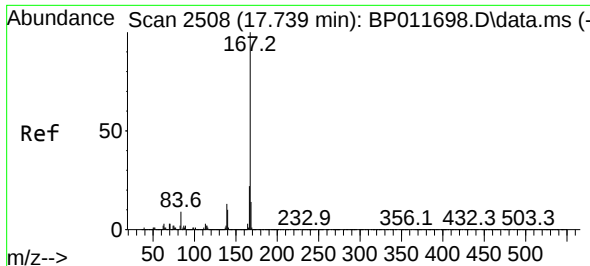
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#72
Anthracene
Concen: 3.332 ng
RT: 17.463 min Scan# 2461
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

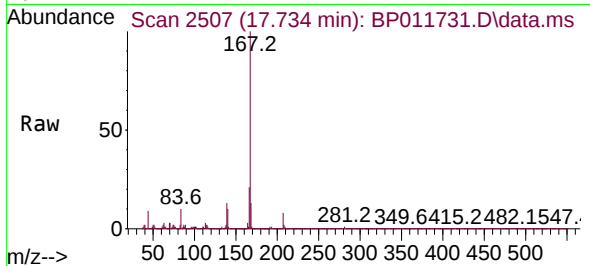
Tgt Ion:178 Resp: 308525
Ion Ratio Lower Upper
178 100
176 18.9 14.5 21.7
179 15.1 12.2 18.4





#73
Carbazole
Concen: 3.279 ng
RT: 17.734 min Scan# 2508
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

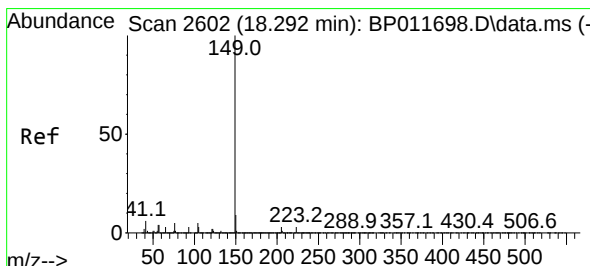
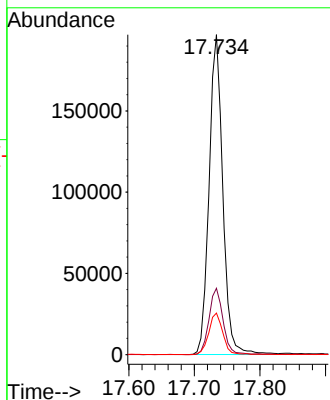
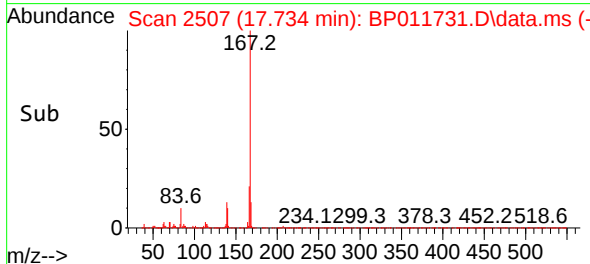
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2022



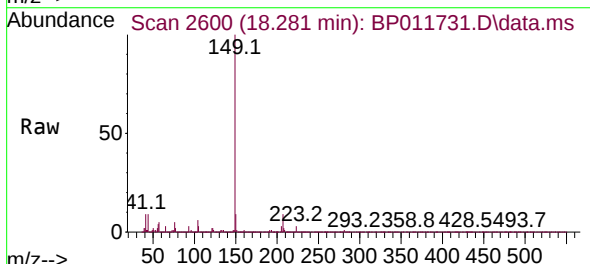
Tgt Ion:167 Resp: 286416
Ion Ratio Lower Upper
167 100
166 20.7 16.9 25.3
139 13.0 10.6 15.8

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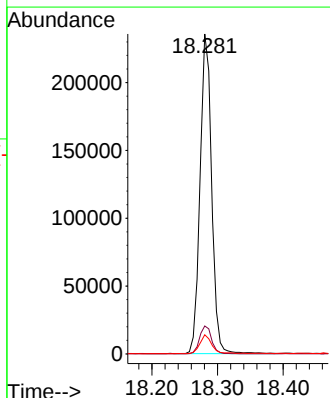
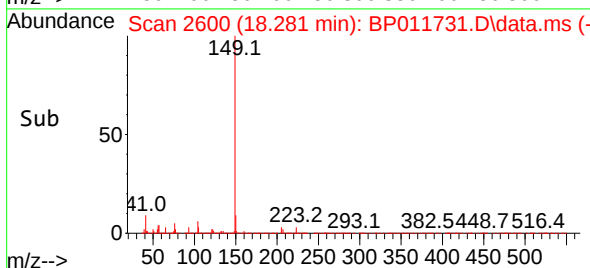
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022

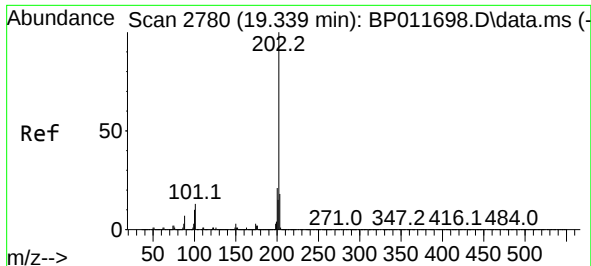


#74
Di-n-butylphthalate
Concen: 2.725 ng
RT: 18.281 min Scan# 2600
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38



Tgt Ion:149 Resp: 286833
Ion Ratio Lower Upper
149 100
150 8.7 7.5 11.3
104 6.0 4.8 7.2





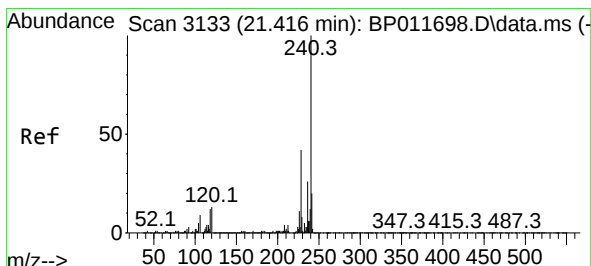
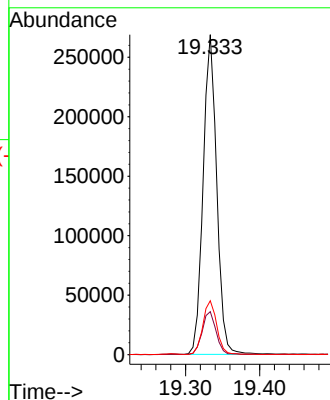
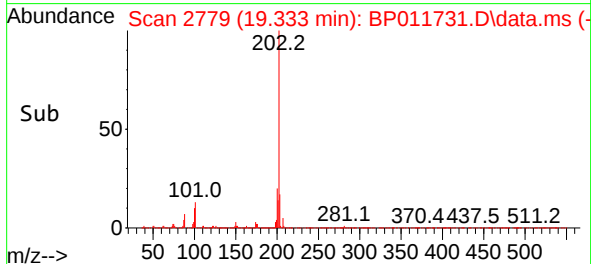
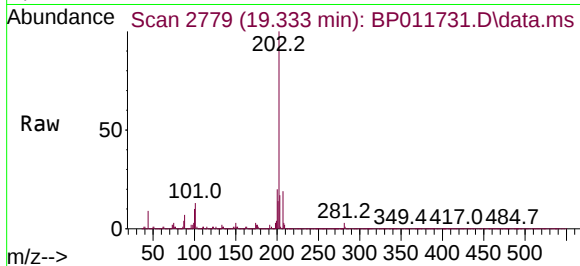
#75
Fluoranthene
Concen: 3.238 ng
RT: 19.333 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:202 Resp: 341850
Ion Ratio Lower Upper
202 100
101 13.4 0.0 29.6
203 16.8 0.0 36.9

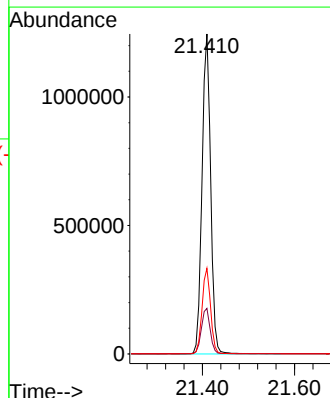
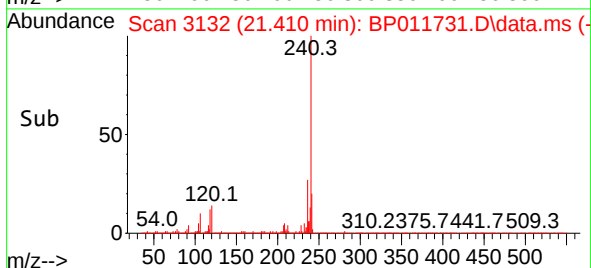
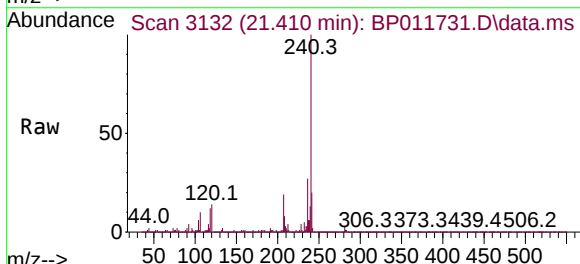
Manual Integrations
APPROVED

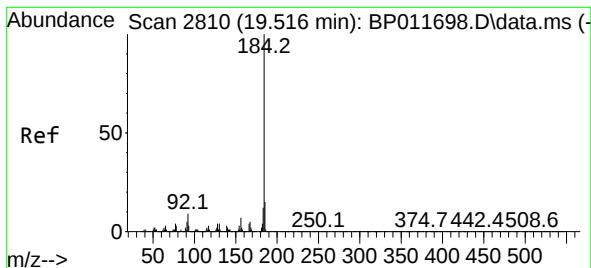
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3132
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Tgt Ion:240 Resp: 1607649
Ion Ratio Lower Upper
240 100
120 14.2 8.6 12.8#
236 26.7 19.8 29.6





#77

Benzidine

Concen: 3.071 ng

RT: 19.516 min Scan# 2810

Delta R.T. -0.000 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2022

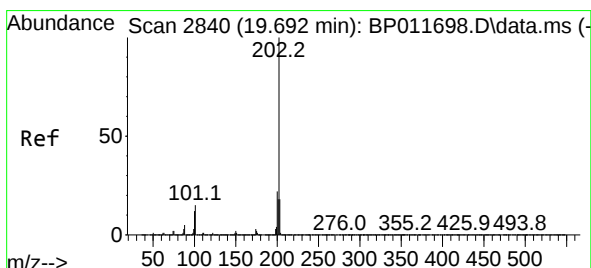
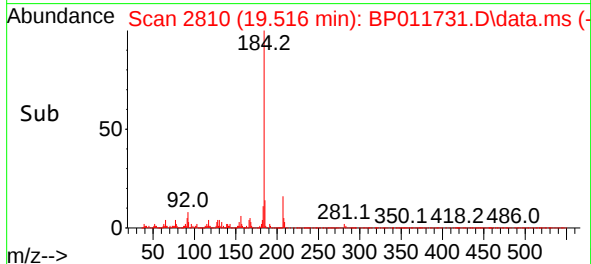
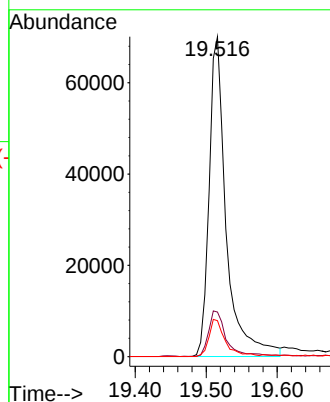
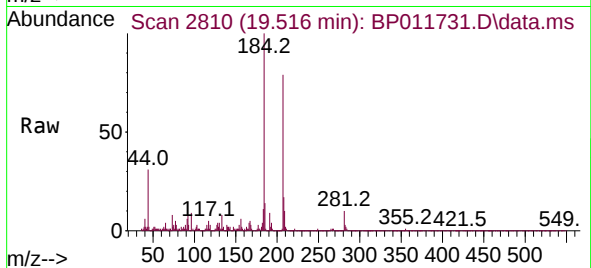
Tgt Ion:184 Resp: 117421
 Ion Ratio Lower Upper
 184 100
 185 13.9 10.7 16.1
 183 11.2 9.0 13.6

Manual Integrations

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Reviewed By :Christian Giraldo 09/20/2022

Supervised By :Jagrut Upadhyay 09/22/2022



#78

Pyrene

Concen: 3.329 ng

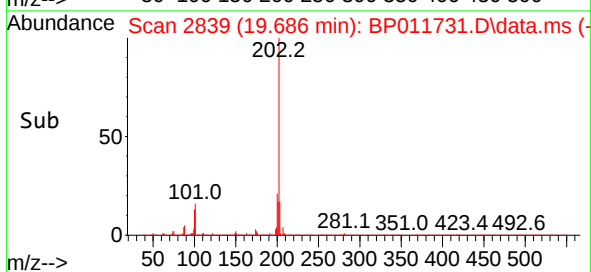
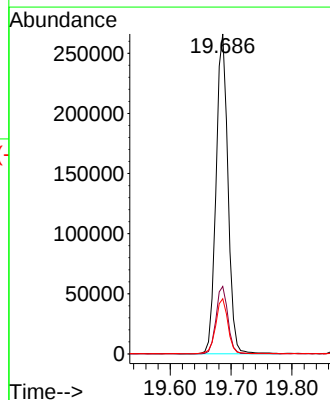
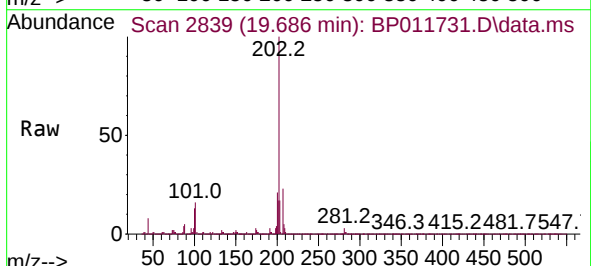
RT: 19.686 min Scan# 2839

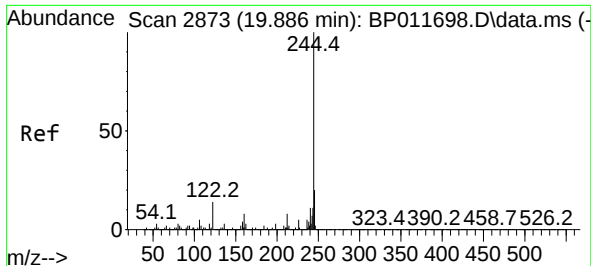
Delta R.T. -0.006 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

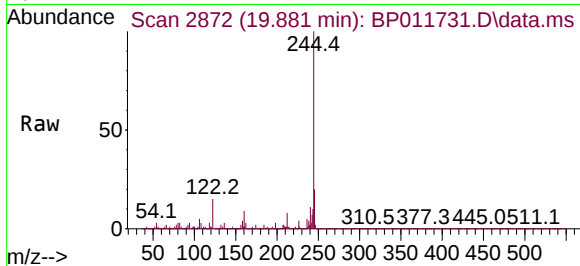
Tgt Ion:202 Resp: 360952
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.3 24.5
 203 17.2 14.2 21.4





#79
Terphenyl-d14
Concen: 78.419 ng
RT: 19.881 min Scan# 2873
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

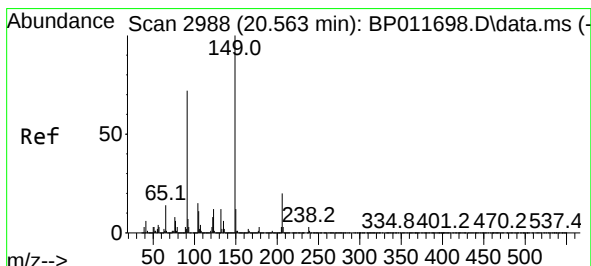
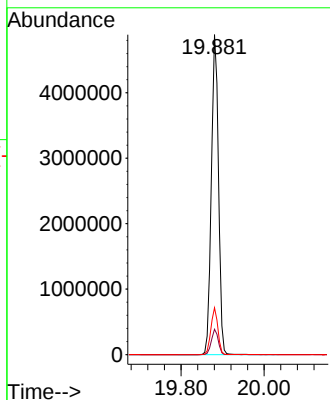
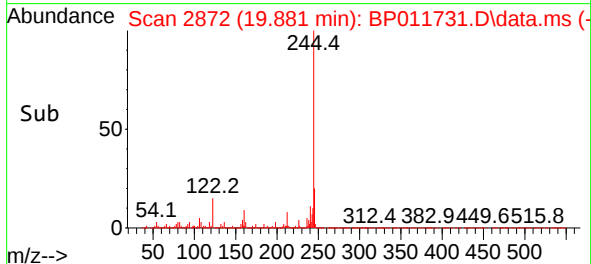
Instrument :
BNA_P
Client Sample Id :
MDL-SOIL-03-QT3-2022



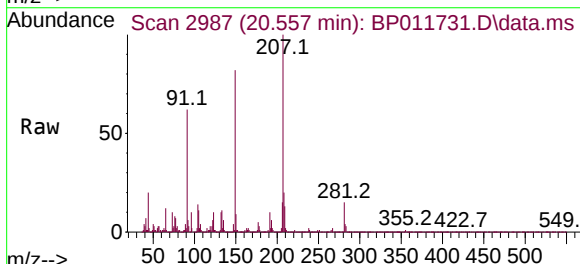
Tgt Ion: 244 Resp: 5797481
Ion Ratio Lower Upper
244 100
212 7.9 5.8 8.8
122 14.6 7.6 11.4

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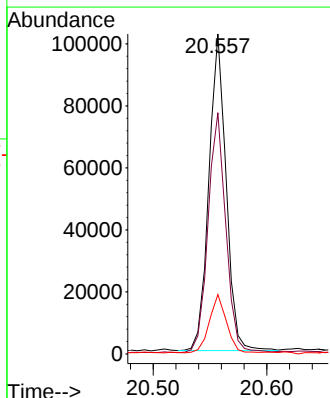
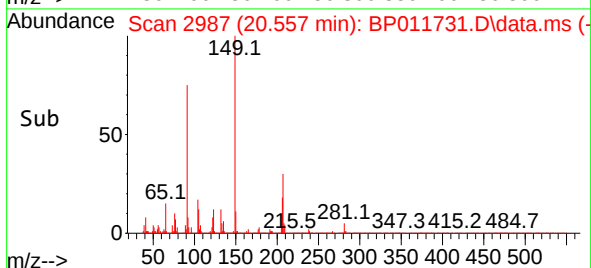
Reviewed By : Christian Giraldo 09/20/2022
Supervised By : Jagrut Upadhyay 09/22/2022

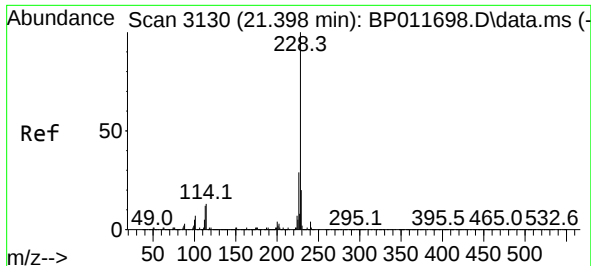


#80
Butylbenzylphthalate
Concen: 2.373 ng
RT: 20.557 min Scan# 2987
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38



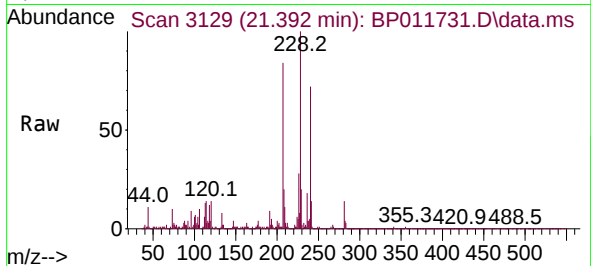
Tgt Ion: 149 Resp: 107827
Ion Ratio Lower Upper
149 100
91 75.4 62.5 93.7
206 18.5 17.0 25.4





#81
Benzo(a)anthracene
Concen: 3.335 ng
RT: 21.392 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

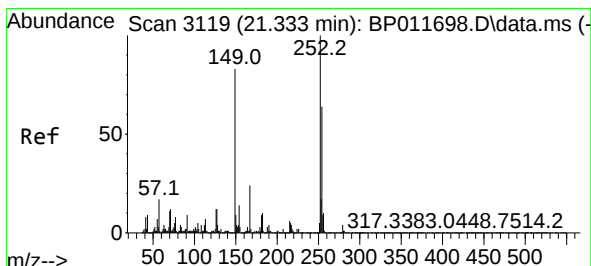
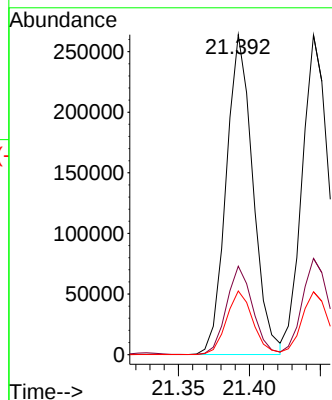
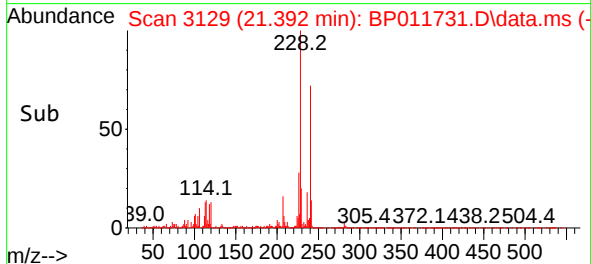
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2022



Tgt Ion:228 Resp: 345613
Ion Ratio Lower Upper
228 100
226 27.6 20.8 31.2
229 19.9 15.2 22.8

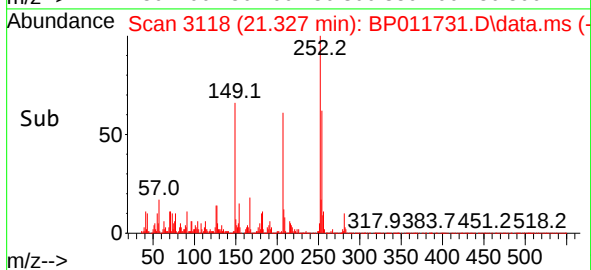
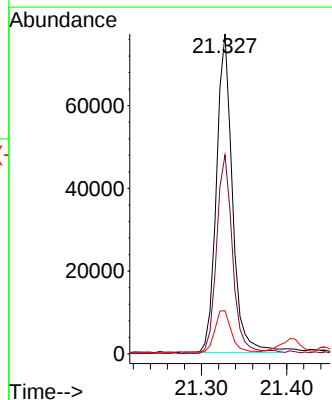
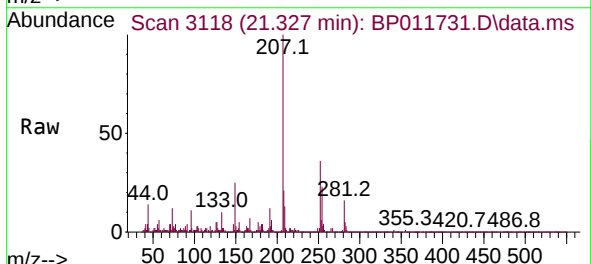
Manual Integrations
APPROVED

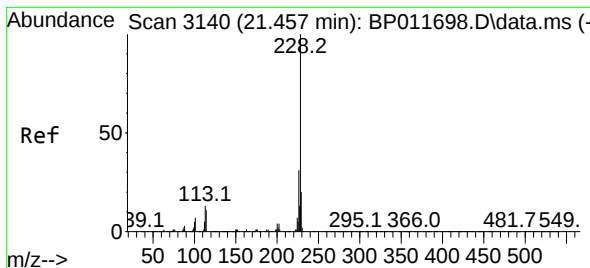
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#82
3,3'-Dichlorobenzidine
Concen: 3.194 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Tgt Ion:252 Resp: 100521
Ion Ratio Lower Upper
252 100
254 62.2 51.1 76.7
126 13.5 8.4 12.6





#83

Chrysene

Concen: 3.487 ng

RT: 21.445 min Scan# 3140

Delta R.T. -0.012 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2022

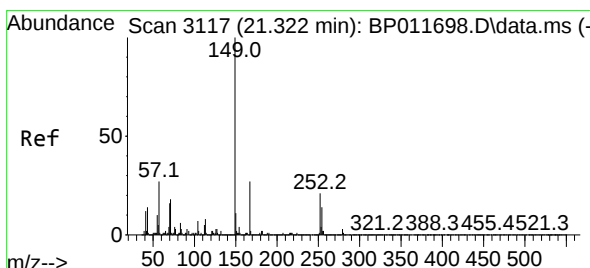
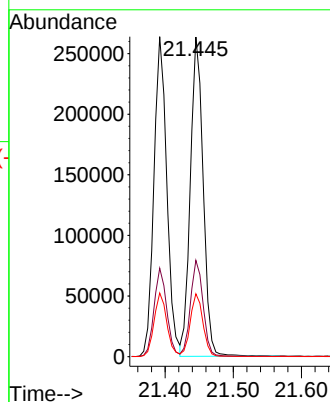
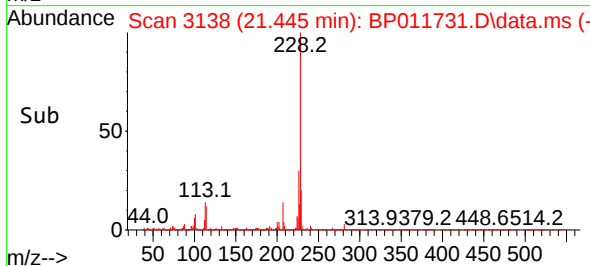
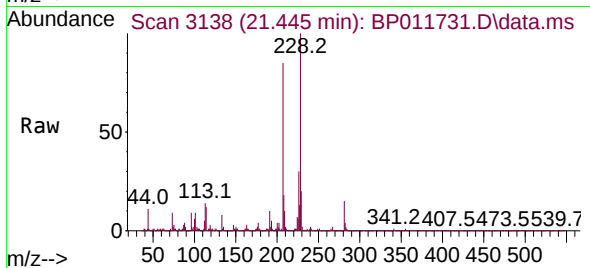
Tgt Ion:	228	Resp:	345216
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.4	35.2
229	19.6	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/20/2022

Supervised By :Jagrut Upadhyay 09/22/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.375 ng

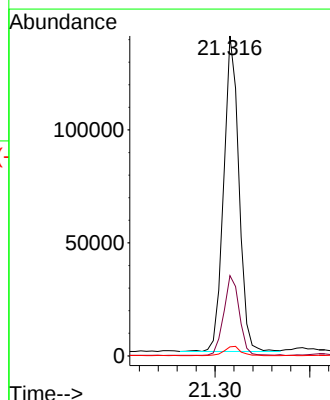
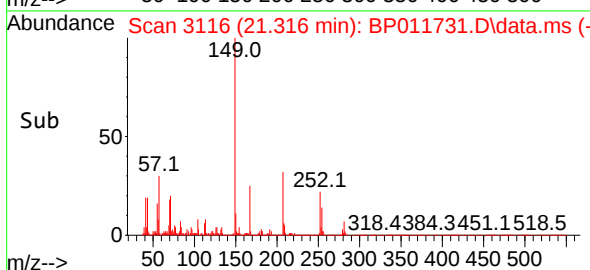
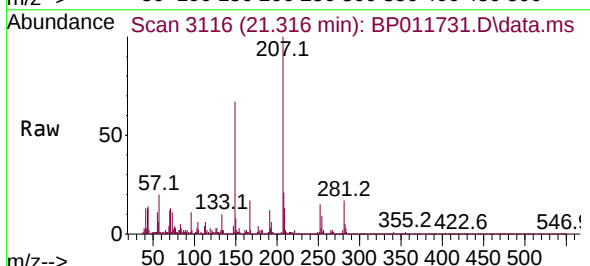
RT: 21.316 min Scan# 3116

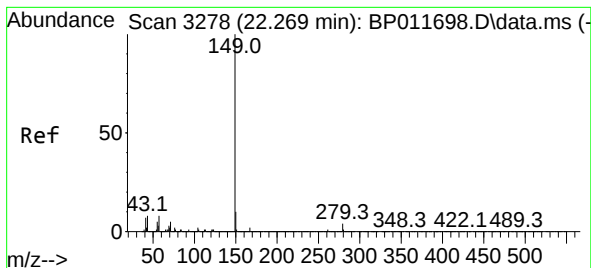
Delta R.T. -0.006 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

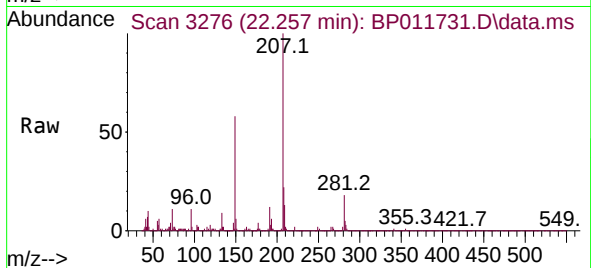
Tgt Ion:	149	Resp:	155211
Ion Ratio	Lower	Upper	
149	100		
167	25.1	21.8	32.8
279	2.8	3.7	5.5





#85
Di-n-octyl phthalate
Concen: 2.068 ng
RT: 22.257 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

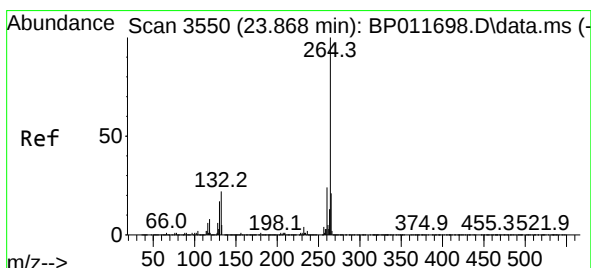
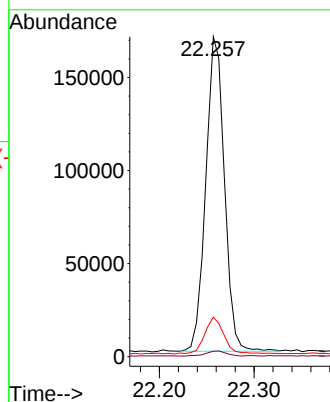
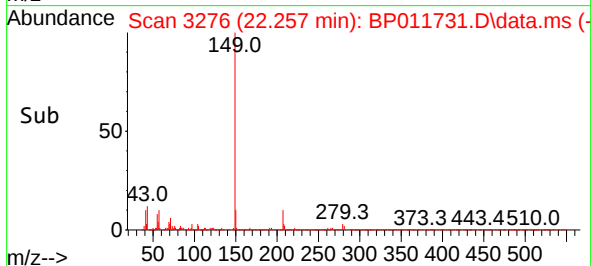
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:149 Resp: 231932
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 12.3 10.0 15.0

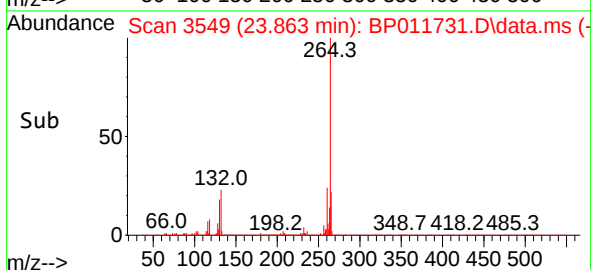
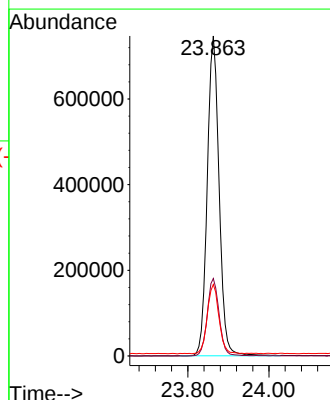
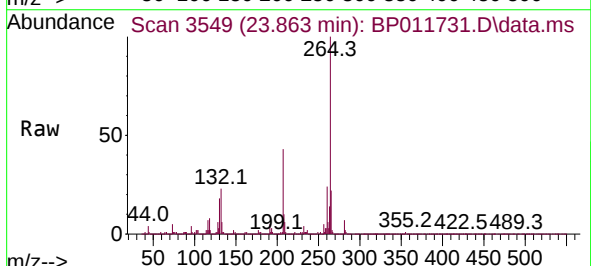
Manual Integrations
APPROVED

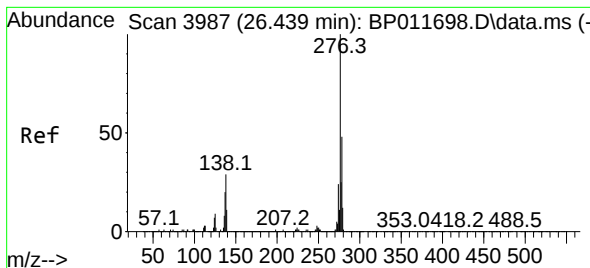
Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.863 min Scan# 3549
Delta R.T. -0.006 min
Lab File: BP011731.D
Acq: 19 Sep 2022 11:38

Tgt Ion:264 Resp: 1519186
Ion Ratio Lower Upper
264 100
260 24.2 19.3 28.9
265 22.4 18.0 27.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.101 ng

RT: 26.421 min Scan# 3987

Delta R.T. -0.018 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2022

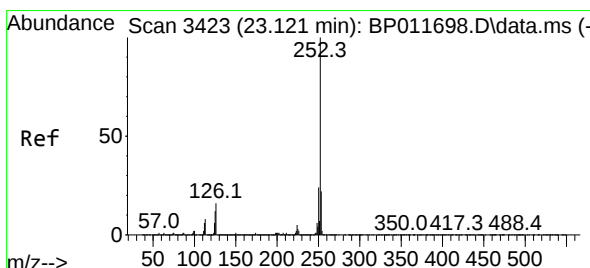
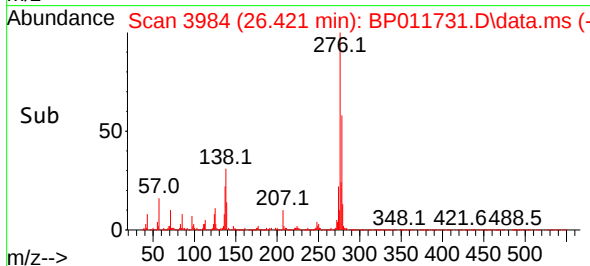
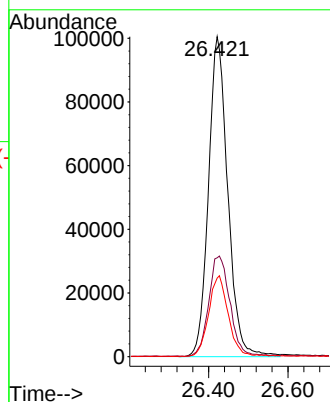
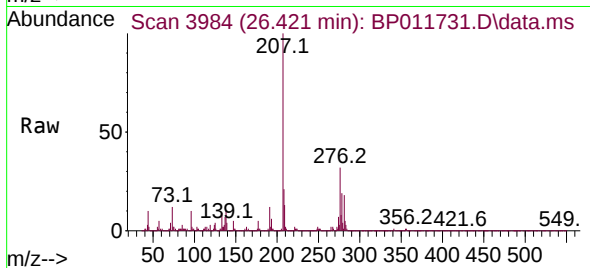
Tgt Ion:	276	Resp:	339436
Ion Ratio	Lower	Upper	
276	100		
138	34.4	17.5	26.3
277	25.4	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/20/2022

Supervised By :Jagrut Upadhyay 09/22/2022



#88

Benzo(b)fluoranthene

Concen: 3.458 ng

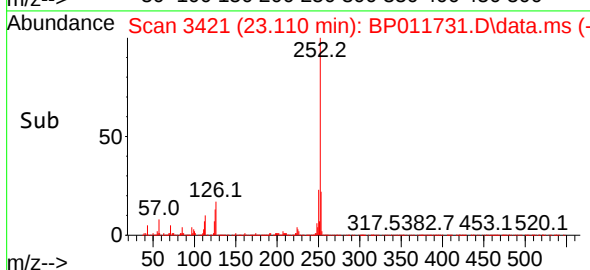
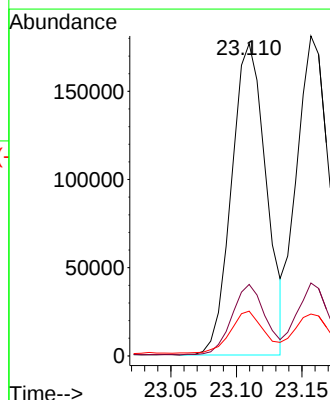
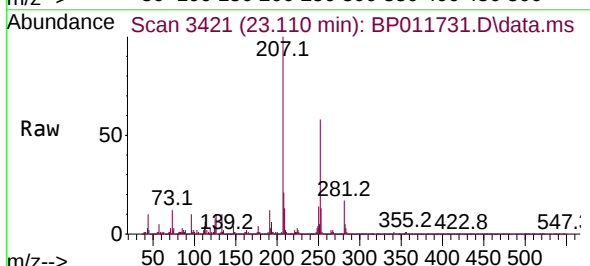
RT: 23.110 min Scan# 3421

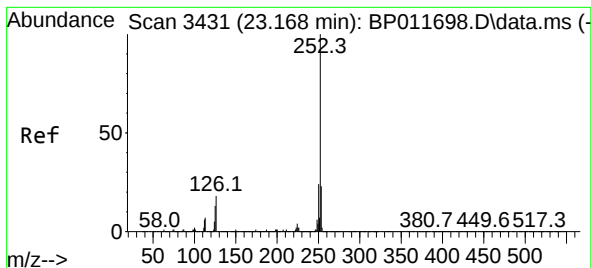
Delta R.T. -0.012 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

Tgt Ion:	252	Resp:	324890
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.8	26.6
125	14.3	7.0	10.6





#89

Benzo(k)fluoranthene

Concen: 3.417 ng

RT: 23.157 min Scan# 34

Delta R.T. -0.012 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2022

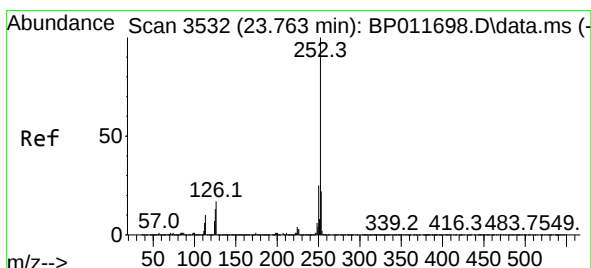
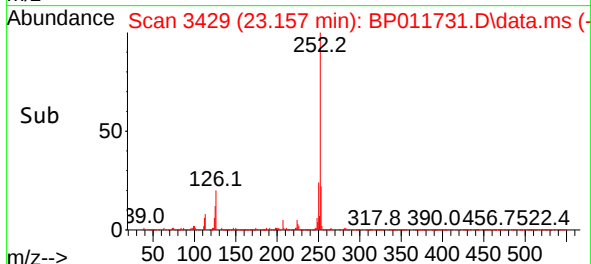
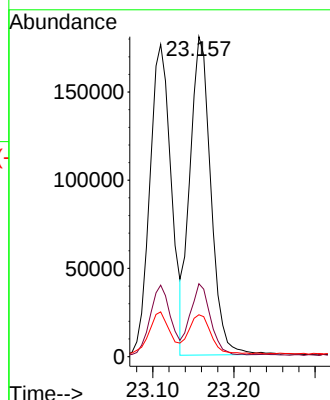
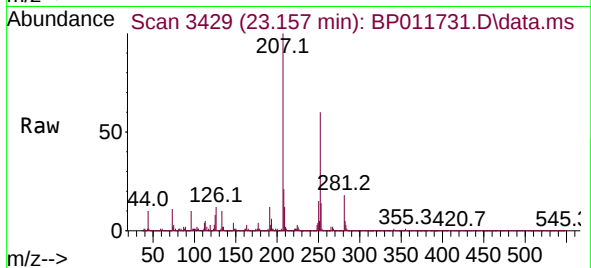
Tgt Ion:252 Resp: 323548
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.2 25.8
 125 13.1 7.0 10.4

Manual Integrations

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Reviewed By :Christian Giraldo 09/20/2022

Supervised By :Jagrut Upadhyay 09/22/2022



#90

Benzo(a)pyrene

Concen: 3.392 ng

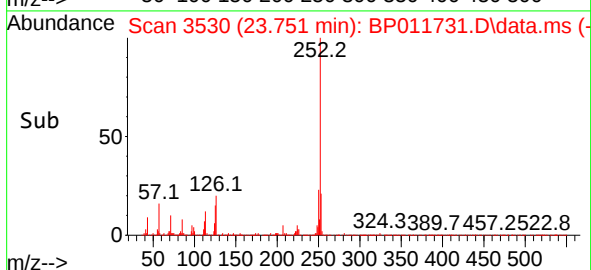
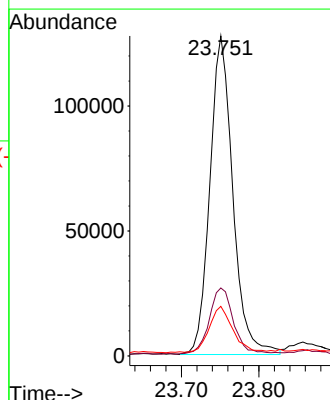
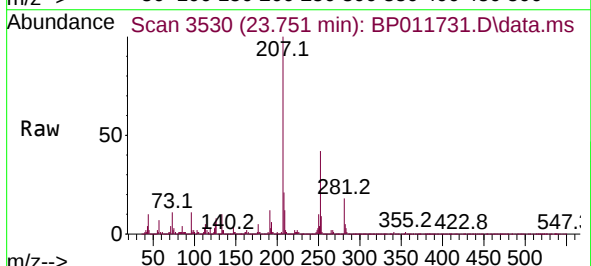
RT: 23.751 min Scan# 3530

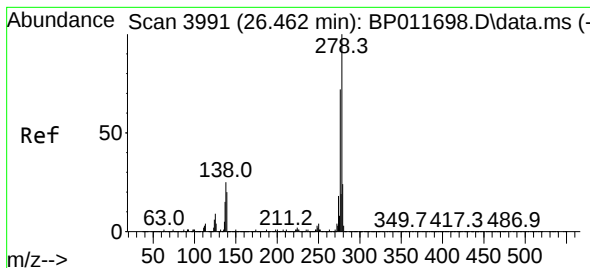
Delta R.T. -0.012 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

Tgt Ion:252 Resp: 263296
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.0 25.6
 125 15.5 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 3.299 ng

RT: 26.439 min Scan# 3991

Delta R.T. -0.023 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2022

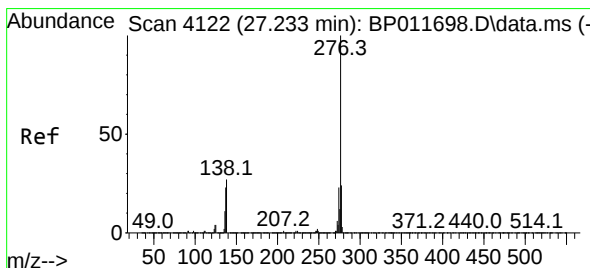
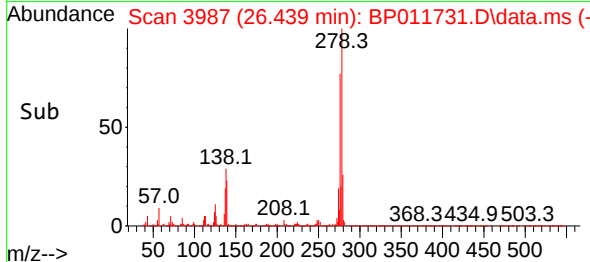
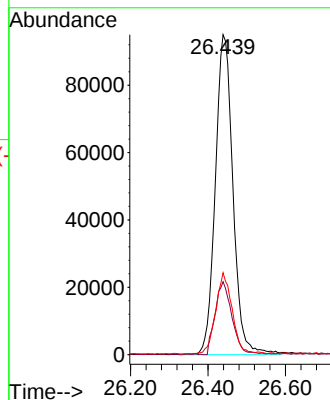
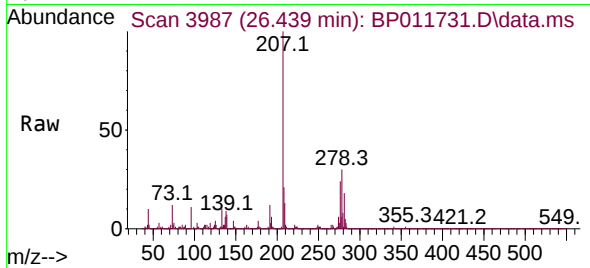
Tgt Ion:	278	Resp:	29983
Ion Ratio	Lower	Upper	
278	100		
139	22.8	11.4	17.0
279	25.6	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/20/2022

Supervised By :Jagrut Upadhyay 09/22/2022



#92

Benzo(g,h,i)perylene

Concen: 3.344 ng

RT: 27.204 min Scan# 4117

Delta R.T. -0.029 min

Lab File: BP011731.D

Acq: 19 Sep 2022 11:38

Tgt Ion:	276	Resp:	296303
Ion Ratio	Lower	Upper	
276	100		
277	23.1	18.7	28.1
138	30.3	15.2	22.8

