

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111822\
 Data File : BP012675.D
 Acq On : 18 Nov 2022 17:31
 Operator : CG/JU
 Sample : N4955-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

Quant Time: Nov 21 03:51:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 03:25:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.040	152	339123	20.000	ng	0.00
21) Naphthalene-d8	10.857	136	1605390	20.000	ng	0.00
39) Acenaphthene-d10	14.675	164	1128923	20.000	ng	0.00
64) Phenanthrene-d10	17.428	188	2608033	20.000	ng	0.00
76) Chrysene-d12	21.510	240	2865553	20.000	ng	-0.01
86) Perylene-d12	24.039	264	2905038	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1315103	70.084	ng	0.00
7) Phenol-d6	7.187	99	1893314	72.448	ng	0.00
23) Nitrobenzene-d5	9.205	82	1477445	57.864	ng	0.00
42) 2,4,6-Tribromophenol	16.163	330	921884	71.357	ng	0.00
45) 2-Fluorobiphenyl	13.304	172	4037891	53.818	ng	0.00
79) Terphenyl-d14	19.975	244	6828842	51.490	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.446	88	64693	8.585	ng	98
3) Pyridine	3.852	79	179942	7.564	ng	98
4) n-Nitrosodimethylamine	3.764	42	87282	8.592	ng	# 91
6) Aniline	7.358	93	309443	9.399	ng	98
8) 2-Chlorophenol	7.599	128	211535	9.130	ng	99
9) Benzaldehyde	7.169	77	194536	12.764	ng	98
10) Phenol	7.211	94	266492	9.052	ng	97
11) bis(2-Chloroethyl)ether	7.458	93	225843	9.630	ng	99
12) 1,3-Dichlorobenzene	7.928	146	243948	9.487	ng	98
13) 1,4-Dichlorobenzene	8.075	146	250528	9.555	ng	99
14) 1,2-Dichlorobenzene	8.399	146	247693	9.844	ng	99
15) Benzyl Alcohol	8.275	79	164871	8.467	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.575	45	333407	10.075	ng	98
17) 2-Methylphenol	8.475	107	179848	8.809	ng	99
18) Hexachloroethane	9.134	117	110225	12.580	ng	96
19) n-Nitroso-di-n-propyla...	8.846	70	161284	9.080	ng	97
20) 3+4-Methylphenols	8.799	107	247358	8.648	ng	98
22) Acetophenone	8.863	105	374912	9.356	ng	# 98
24) Nitrobenzene	9.246	77	257163	9.327	ng	96
25) Isophorone	9.775	82	567296	9.877	ng	98
26) 2-Nitrophenol	9.963	139	88936	7.439	ng	99
27) 2,4-Dimethylphenol	10.016	122	191370	8.482	ng	98
28) bis(2-Chloroethoxy)met...	10.263	93	318256	9.743	ng	99
29) 2,4-Dichlorophenol	10.493	162	217474	8.293	ng	97
30) 1,2,4-Trichlorobenzene	10.716	180	251787	8.945	ng	99
31) Naphthalene	10.910	128	779648	8.834	ng	99
32) Benzoic acid	10.093	122	109844	6.218	ng	96
33) 4-Chloroaniline	11.010	127	310698	8.450	ng	99
34) Hexachlorobutadiene	11.199	225	177417	10.668	ng	97
35) Caprolactam	11.763	113	70644	8.273	ng	97
36) 4-Chloro-3-methylphenol	12.116	107	231479	8.223	ng	98
37) 2-Methylnaphthalene	12.510	142	568544	9.008	ng	99
38) 1-Methylnaphthalene	12.728	142	553831	8.930	ng	99
40) 1,2,4,5-Tetrachloroben...	12.875	216	310737	9.437	ng	99
41) Hexachlorocyclopentadiene	12.857	237	148151	11.830	ng	98
43) 2,4,6-Trichlorophenol	13.104	196	184911	7.888	ng	96

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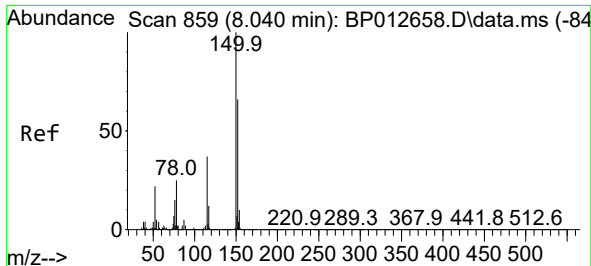
Quant Time: Nov 21 03:51:23 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.169	196	209397	8.074	ng	98
46) 1,1'-Biphenyl	13.510	154	795604	9.424	ng	99
47) 2-Chloronaphthalene	13.551	162	601582	8.974	ng	99
48) 2-Nitroaniline	13.746	65	89896	6.701	ng	95
49) Acenaphthylene	14.398	152	969304	8.860	ng	100
50) Dimethylphthalate	14.128	163	746835	8.399	ng	100
51) 2,6-Dinitrotoluene	14.240	165	126173	8.091	ng	93
52) Acenaphthene	14.740	154	628987	9.009	ng	99
53) 3-Nitroaniline	14.569	138	125290	7.016	ng	98
54) 2,4-Dinitrophenol	14.769	184	61108	7.058	ng	98
55) Dibenzofuran	15.069	168	985508	9.350	ng	97
56) 4-Nitrophenol	14.857	139	120150	7.188	ng	96
57) 2,4-Dinitrotoluene	15.022	165	160605	7.743	ng	89
58) Fluorene	15.722	166	816479	9.842	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.292	232	194586	8.334	ng	# 98
60) Diethylphthalate	15.492	149	775004	8.860	ng	99
61) 4-Chlorophenyl-phenyle...	15.716	204	416559	10.446	ng	96
62) 4-Nitroaniline	15.728	138	120957	6.924	ng	95
63) Azobenzene	16.010	77	733444	9.178	ng	99
65) 4,6-Dinitro-2-methylph...	15.787	198	84106	6.567	ng	96
66) n-Nitrosodiphenylamine	15.928	169	649702	8.359	ng	99
67) 4-Bromophenyl-phenylether	16.616	248	247384	9.072	ng	96
68) Hexachlorobenzene	16.728	284	340142	10.755	ng	98
69) Atrazine	16.881	200	191867	9.369	ng	99
70) Pentachlorophenol	17.069	266	171480	8.354	ng	97
71) Phenanthrene	17.469	178	1428693	9.658	ng	99
72) Anthracene	17.563	178	1435157	10.055	ng	98
73) Carbazole	17.822	167	1224583	9.034	ng	99
74) Di-n-butylphthalate	18.381	149	1240811	8.780	ng	99
75) Fluoranthene	19.428	202	1956481	11.163	ng	99
77) Benzidine	19.604	184	250954	6.370	ng	98
78) Pyrene	19.780	202	2086038	10.301	ng	99
80) Butylbenzylphthalate	20.651	149	194384	5.318	ng	98
81) Benzo(a)anthracene	21.492	228	2240034	11.150	ng	99
82) 3,3'-Dichlorobenzidine	21.422	252	333113	6.588	ng	99
83) Chrysene	21.551	228	2129178	11.177	ng	99
84) Bis(2-ethylhexyl)phtha...	21.422	149	365451	5.517	ng	98
85) Di-n-octyl phthalate	22.398	149	701719	5.008	ng	98
87) Indeno(1,2,3-cd)pyrene	26.686	276	2361263	11.165	ng	100
88) Benzo(b)fluoranthene	23.263	252	2190755	11.391	ng	99
89) Benzo(k)fluoranthene	23.316	252	2327225	12.178	ng	100
90) Benzo(a)pyrene	23.921	252	2003683	12.554	ng	99
91) Dibenzo(a,h)anthracene	26.715	278	2098414	11.999	ng	99
92) Benzo(g,h,i)perylene	27.504	276	1915576	11.277	ng	99

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

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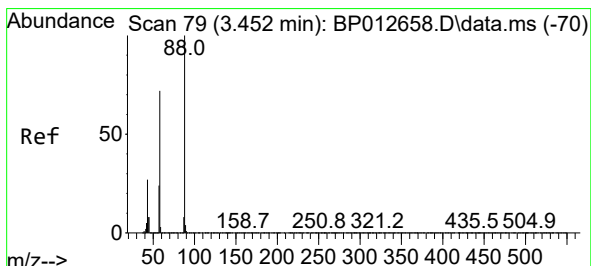
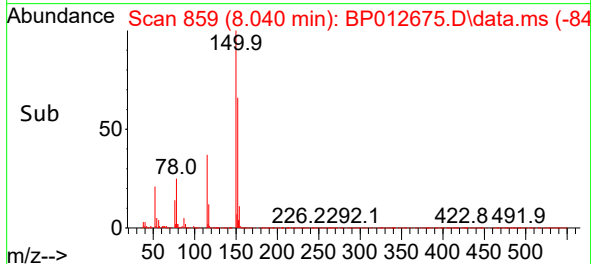
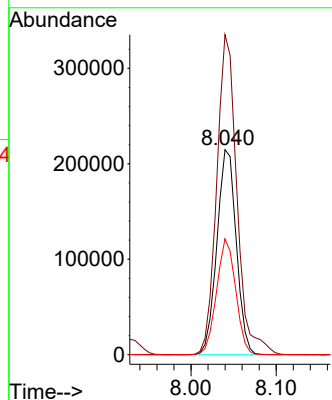
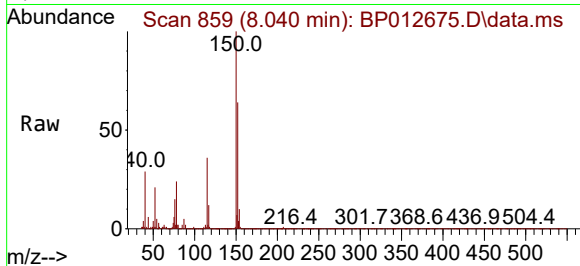




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.040 min Scan# 8
 Delta R.T. -0.000 min
 Lab File: BP012675.D
 Acq: 18 Nov 2022 17:31

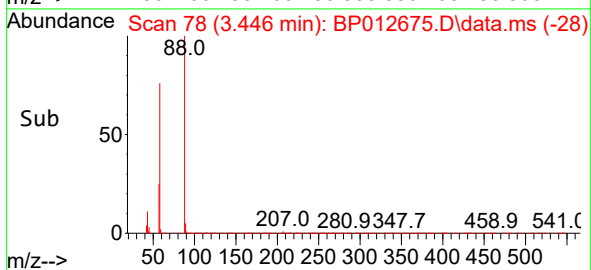
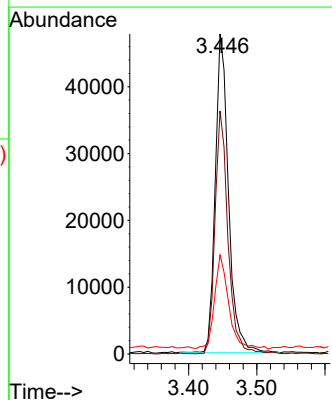
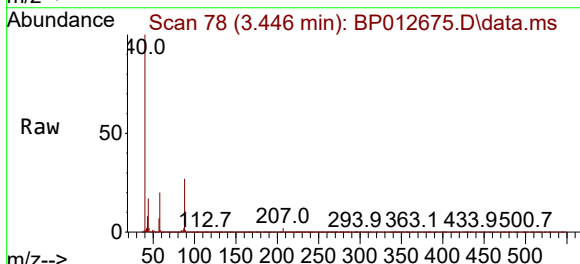
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 LOQ-SOIL-02-QT4-2022

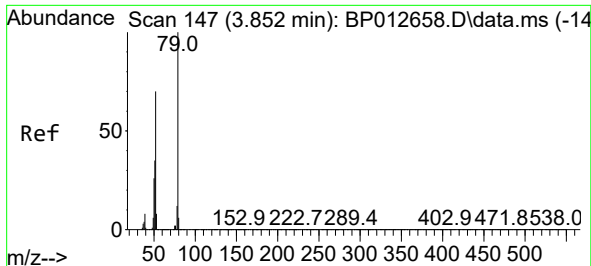
Tgt Ion:152 Resp: 339123
 Ion Ratio Lower Upper
 152 100
 150 156.2 121.8 182.8
 115 56.6 45.4 68.2



#2
 1,4-Dioxane
 Concen: 8.585 ng
 RT: 3.446 min Scan# 78
 Delta R.T. -0.006 min
 Lab File: BP012675.D
 Acq: 18 Nov 2022 17:31

Tgt Ion: 88 Resp: 64693
 Ion Ratio Lower Upper
 88 100
 58 74.8 59.3 88.9
 43 31.6 23.0 34.4

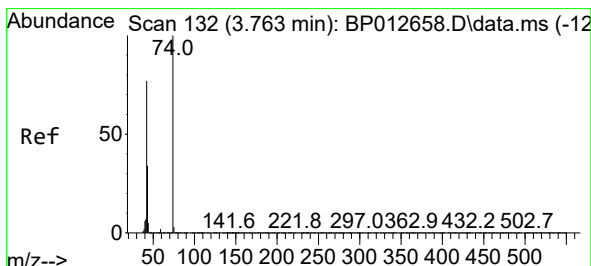
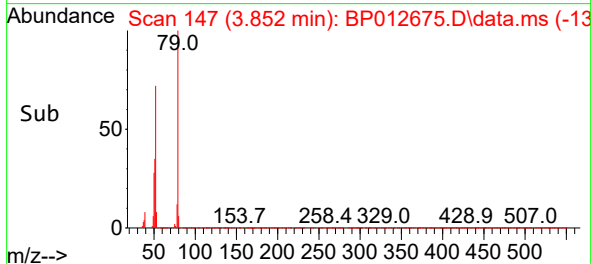
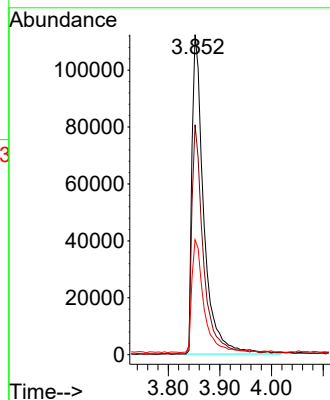
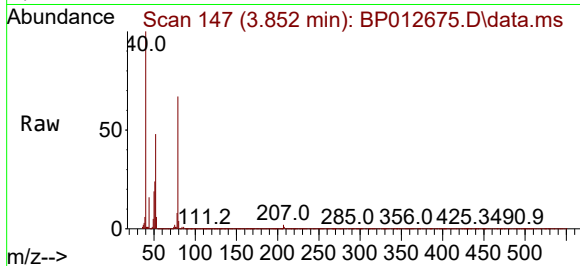




#3
Pyridine
Concen: 7.564 ng
RT: 3.852 min Scan# 147
Delta R.T. 0.000 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

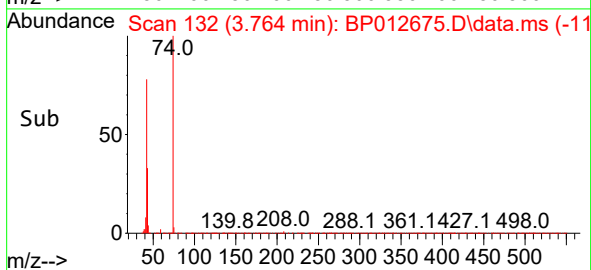
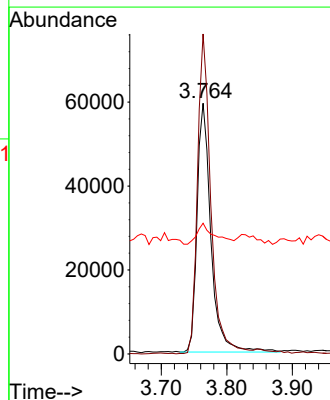
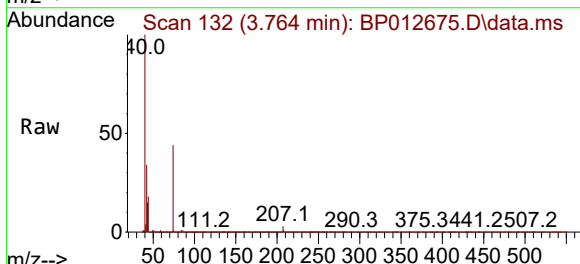
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

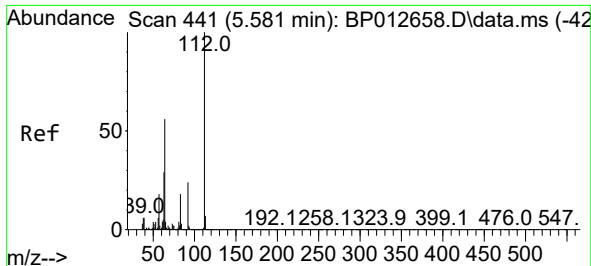
Tgt Ion: 79 Resp: 179942
Ion Ratio Lower Upper
79 100
52 71.9 56.1 84.1
51 35.9 28.1 42.1



#4
n-Nitrosodimethylamine
Concen: 8.592 ng
RT: 3.764 min Scan# 132
Delta R.T. 0.000 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion: 42 Resp: 87282
Ion Ratio Lower Upper
42 100
74 127.6 103.5 155.3
44 52.1 6.4 9.6

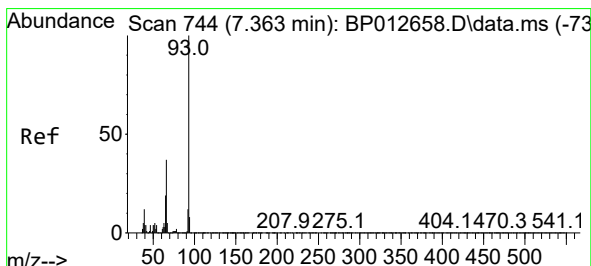
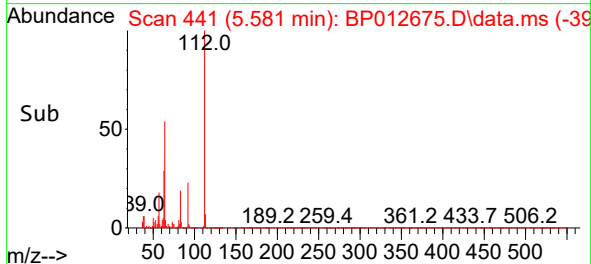
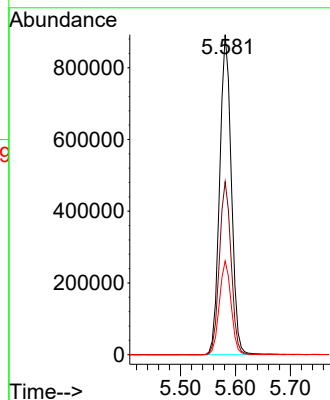
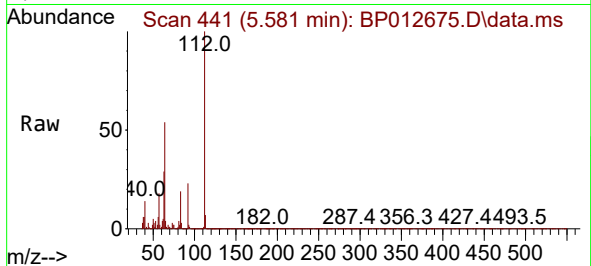




#5
2-Fluorophenol
Concen: 70.084 ng
RT: 5.581 min Scan# 441
Delta R.T. 0.000 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

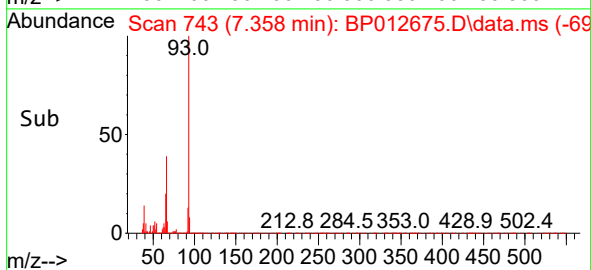
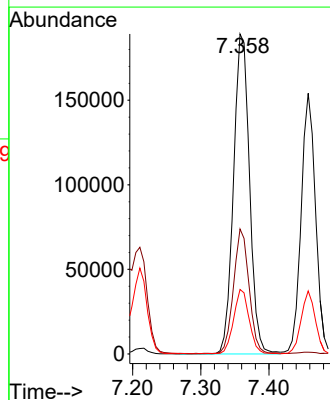
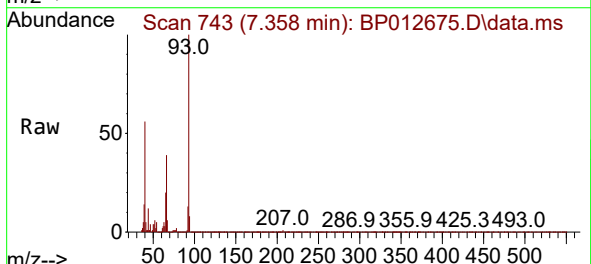
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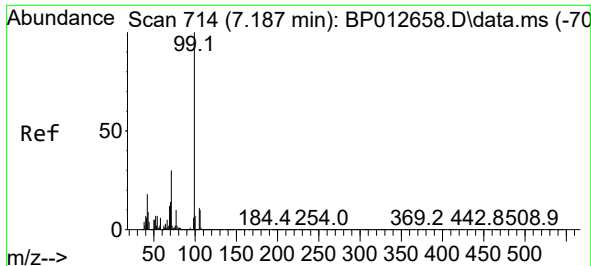
Tgt Ion:112 Resp: 1315103
Ion Ratio Lower Upper
112 100
64 54.1 44.7 67.1
63 29.3 23.3 34.9



#6
Aniline
Concen: 9.399 ng
RT: 7.358 min Scan# 743
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion: 93 Resp: 309443
Ion Ratio Lower Upper
93 100
66 39.0 29.9 44.9
65 20.2 15.4 23.2

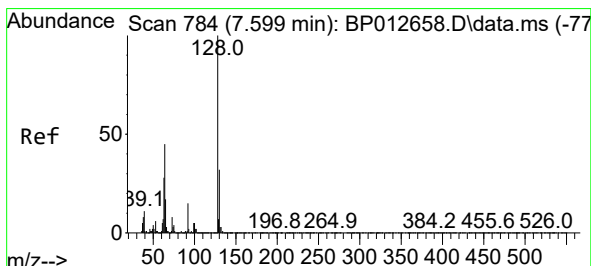
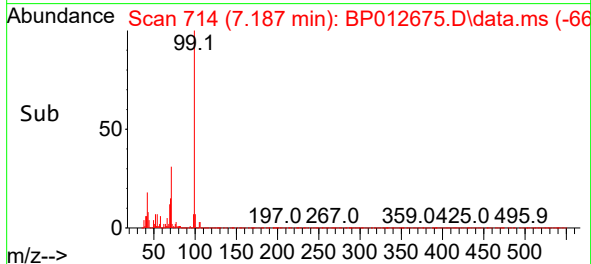
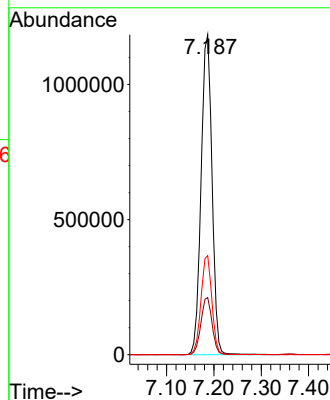
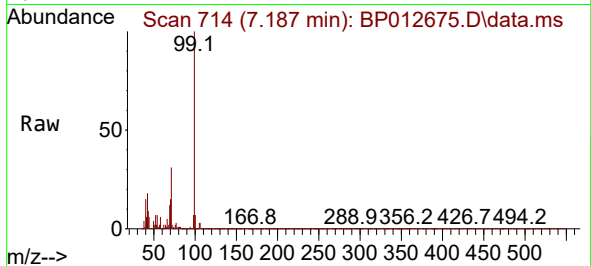




#7
Phenol-d6
Concen: 72.448 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

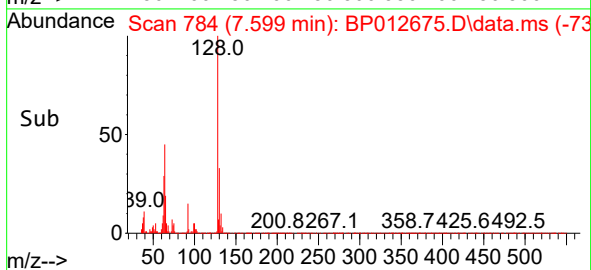
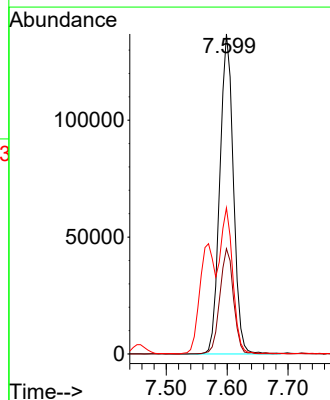
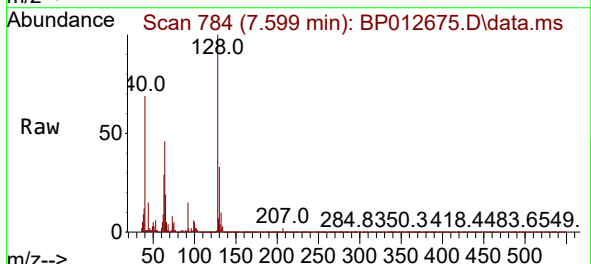
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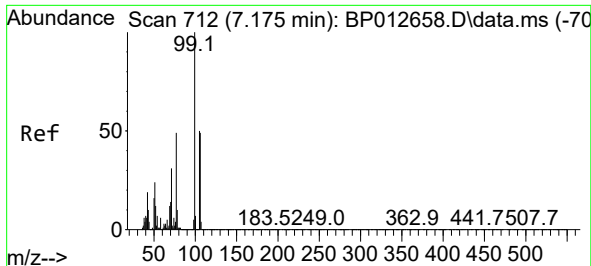
Tgt Ion: 99 Resp: 1893314
Ion Ratio Lower Upper
99 100
42 17.9 14.2 21.2
71 30.9 24.4 36.6



#8
2-Chlorophenol
Concen: 9.130 ng
RT: 7.599 min Scan# 784
Delta R.T. 0.000 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion: 128 Resp: 211535
Ion Ratio Lower Upper
128 100
130 32.9 12.0 52.0
64 45.6 25.5 65.5

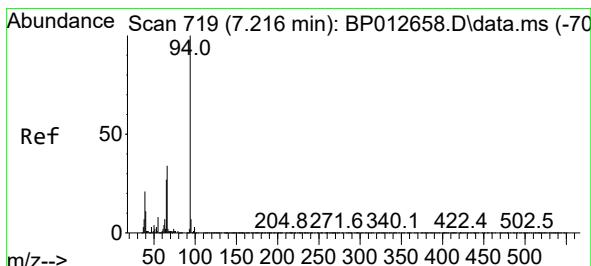
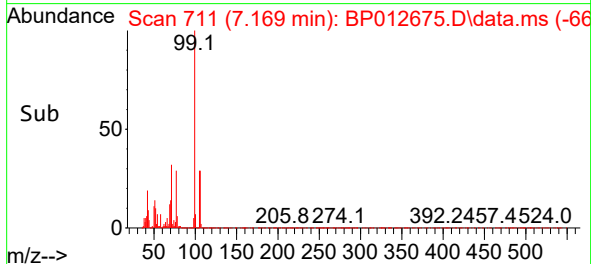
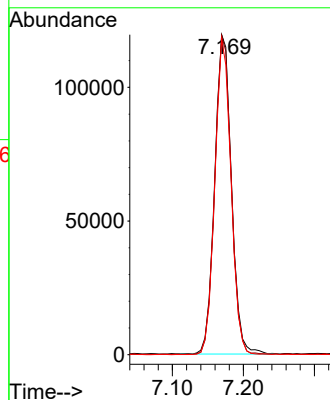
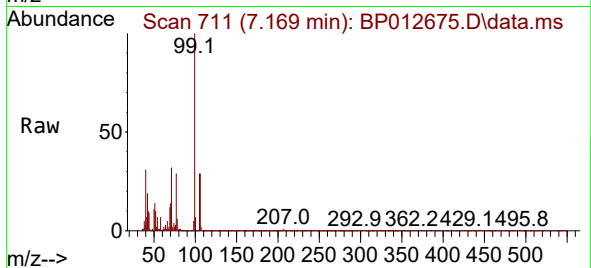




#9
Benzaldehyde
Concen: 12.764 ng
RT: 7.169 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

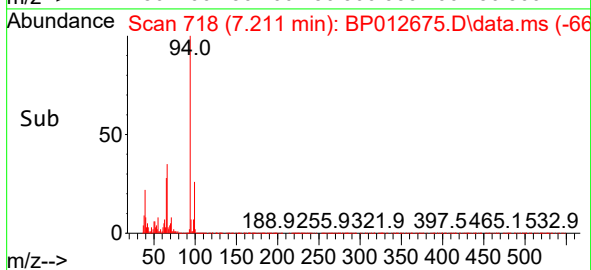
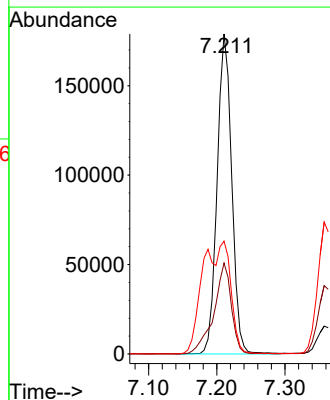
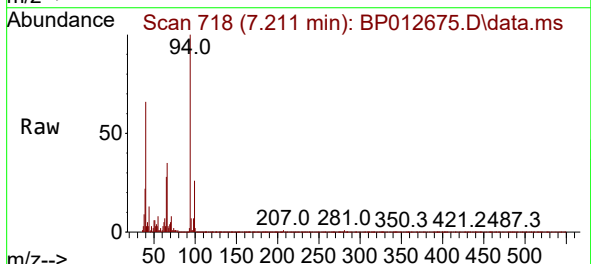
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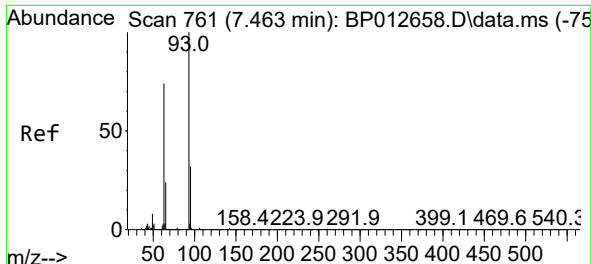
Tgt Ion: 77 Resp: 194536
Ion Ratio Lower Upper
77 100
105 99.8 82.0 122.0
106 98.8 79.6 119.6



#10
Phenol
Concen: 9.052 ng
RT: 7.211 min Scan# 718
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion: 94 Resp: 266492
Ion Ratio Lower Upper
94 100
65 28.4 6.8 46.8
66 35.3 13.9 53.9

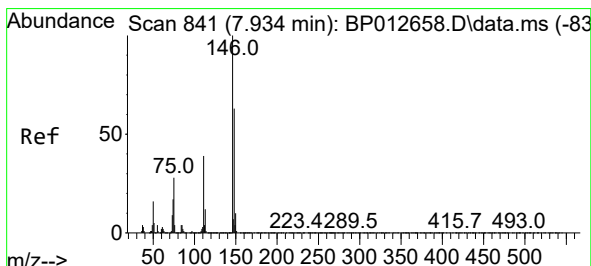
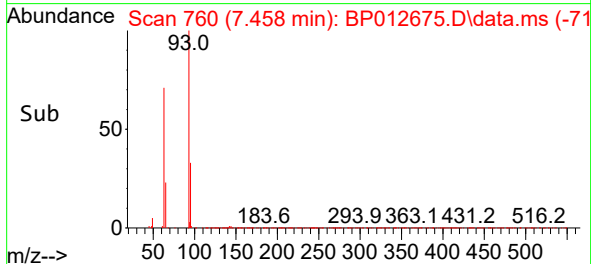
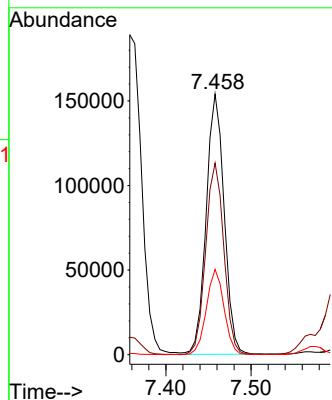
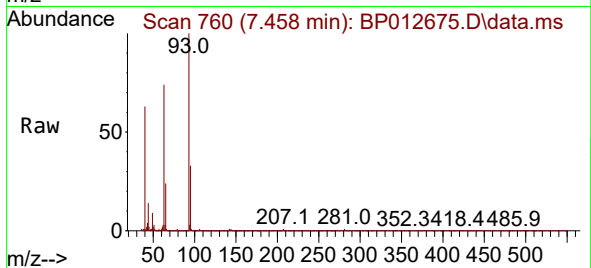




#11
bis(2-Chloroethyl)ether
Concen: 9.630 ng
RT: 7.458 min Scan# 761
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

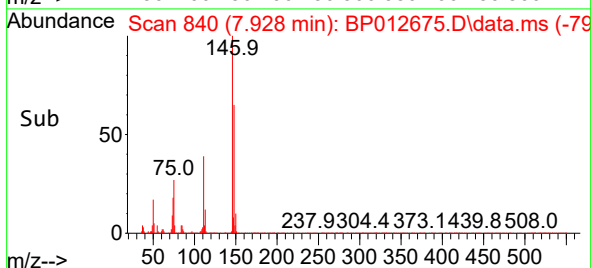
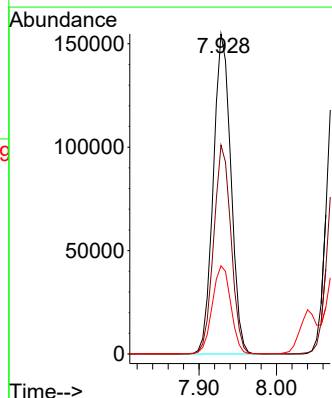
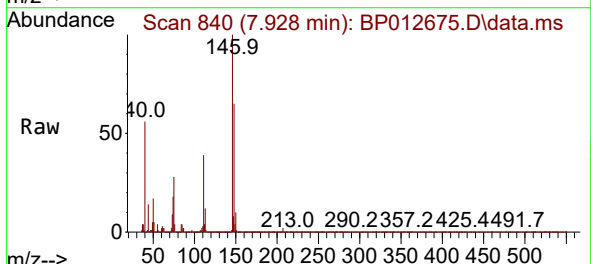
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

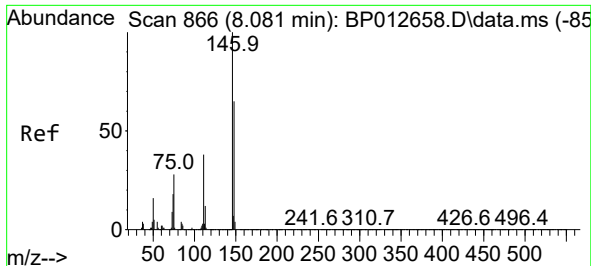
Tgt Ion: 93 Resp: 225843
Ion Ratio Lower Upper
93 100
63 73.6 53.9 93.9
95 32.7 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 9.487 ng
RT: 7.928 min Scan# 840
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:146 Resp: 243948
Ion Ratio Lower Upper
146 100
148 65.3 50.6 76.0
75 27.5 22.5 33.7

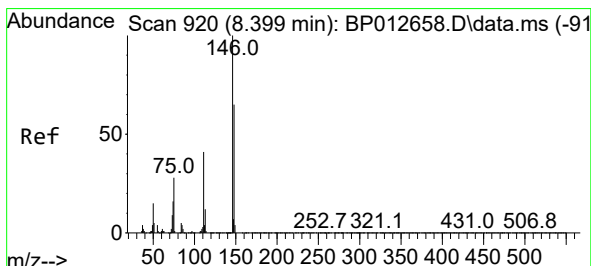
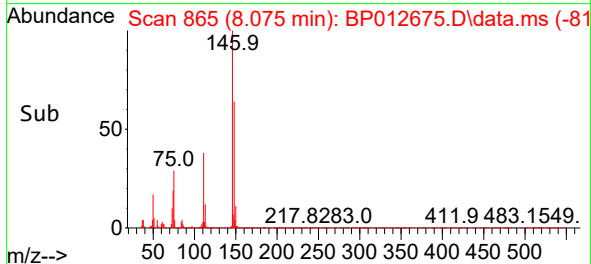
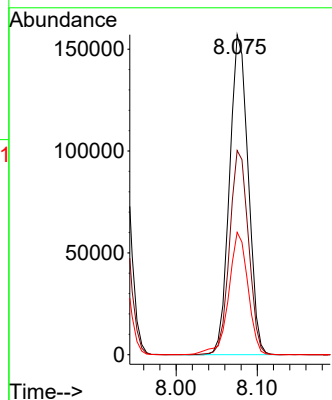
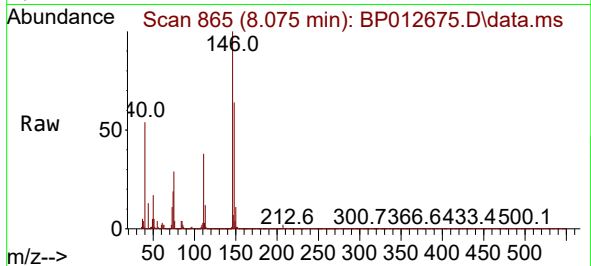




#13
1,4-Dichlorobenzene
Concen: 9.555 ng
RT: 8.075 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

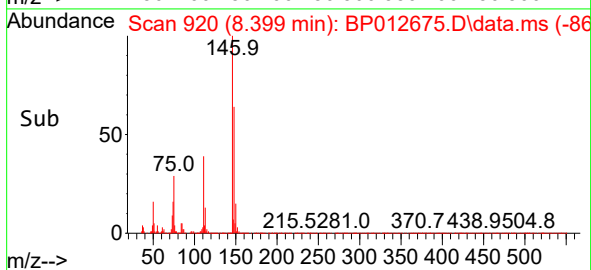
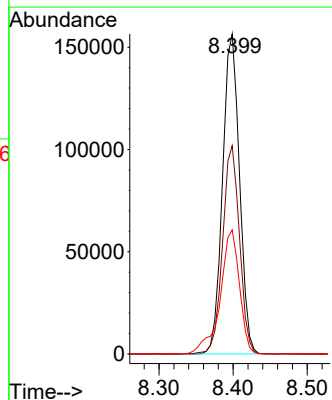
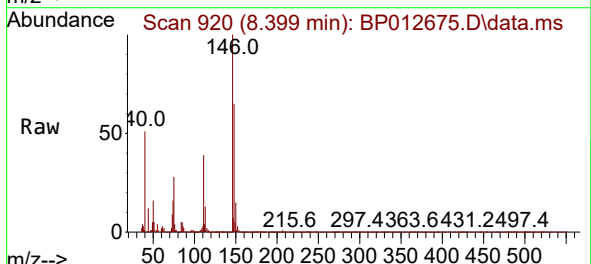
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

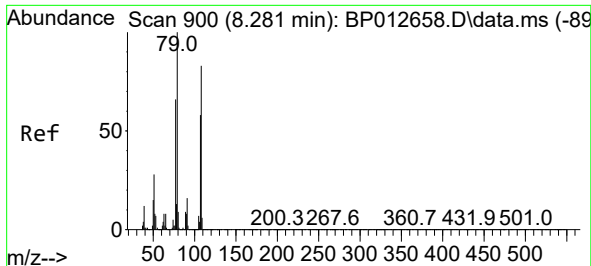
Tgt Ion:146 Resp: 250528
Ion Ratio Lower Upper
146 100
148 63.8 52.2 78.4
111 38.3 30.6 45.8



#14
1,2-Dichlorobenzene
Concen: 9.844 ng
RT: 8.399 min Scan# 920
Delta R.T. 0.000 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:146 Resp: 247693
Ion Ratio Lower Upper
146 100
148 65.1 52.1 78.1
111 38.8 32.8 49.2

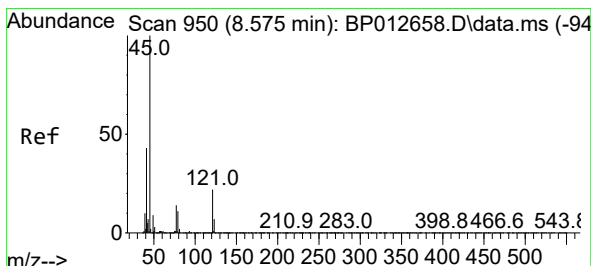
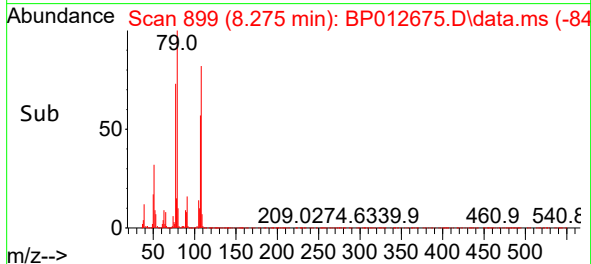
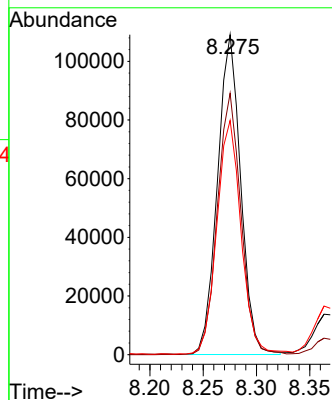
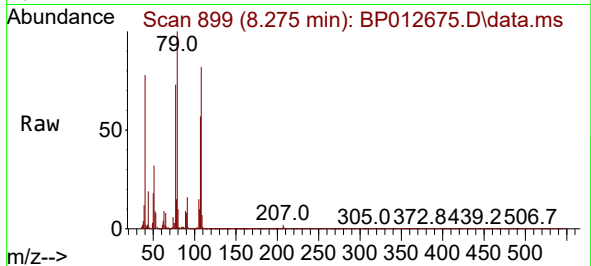




#15
Benzyl Alcohol
Concen: 8.467 ng
RT: 8.275 min Scan# 899
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

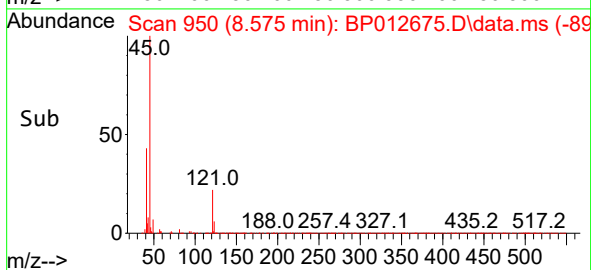
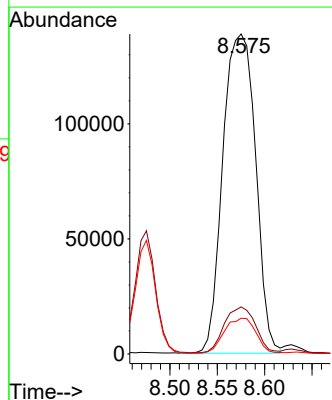
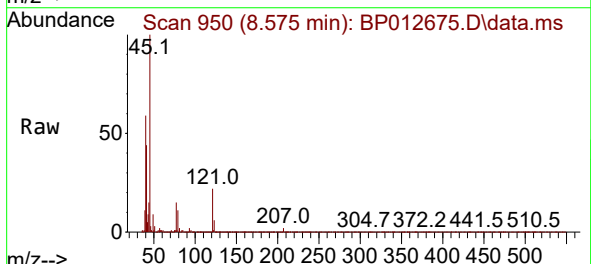
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

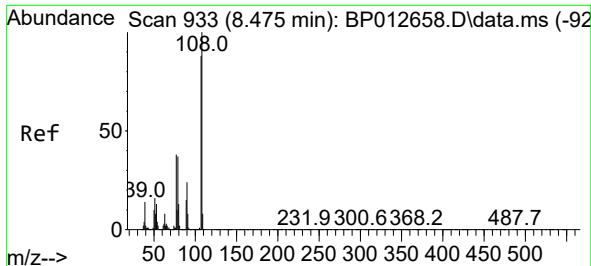
Tgt Ion: 79 Resp: 164871
Ion Ratio Lower Upper
79 100
108 81.7 66.4 99.6
77 73.2 53.2 79.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.075 ng
RT: 8.575 min Scan# 950
Delta R.T. 0.000 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion: 45 Resp: 333407
Ion Ratio Lower Upper
45 100
77 14.7 0.0 33.8
79 11.2 0.0 30.7

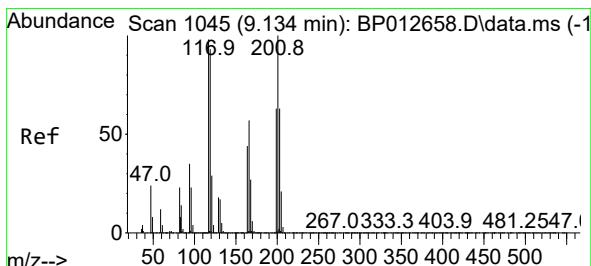
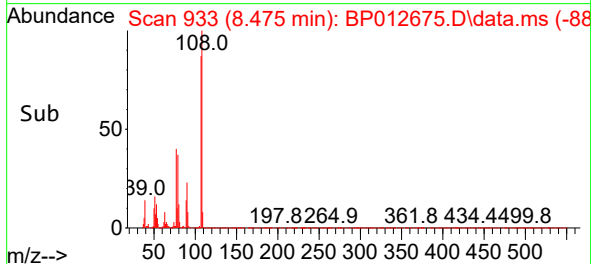
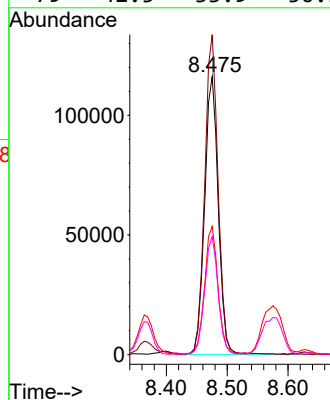
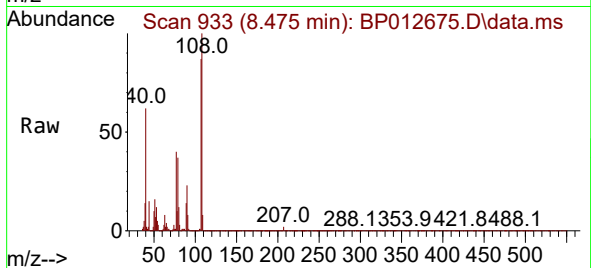




#17
2-Methylphenol
Concen: 8.809 ng
RT: 8.475 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

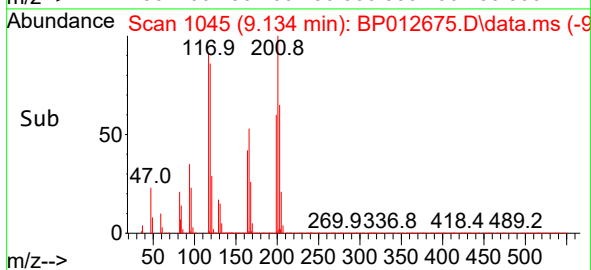
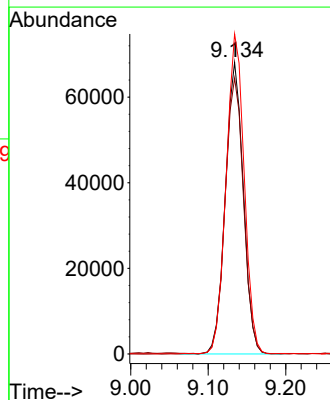
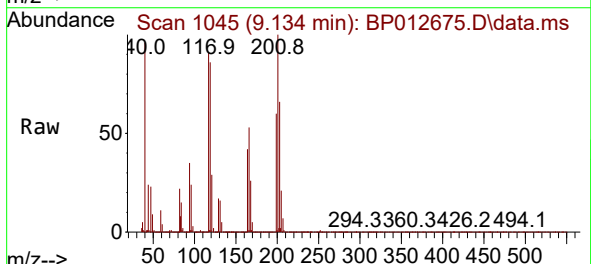
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

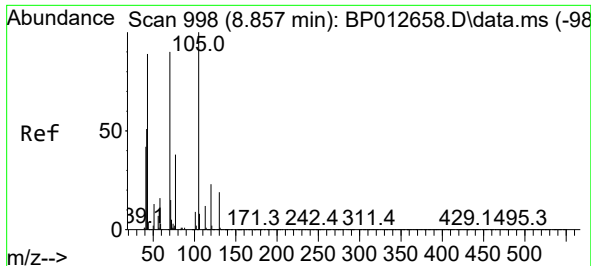
Tgt Ion:	107	Resp:	179848
Ion	Ratio	Lower	Upper
107	100		
108	115.1	91.0	136.6
77	46.1	35.1	52.7
79	42.5	33.9	50.9



#18
Hexachloroethane
Concen: 12.580 ng
RT: 9.134 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:	117	Resp:	110225
Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.1	114.1
201	109.7	81.8	122.8

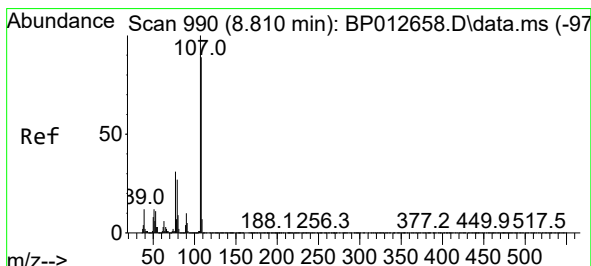
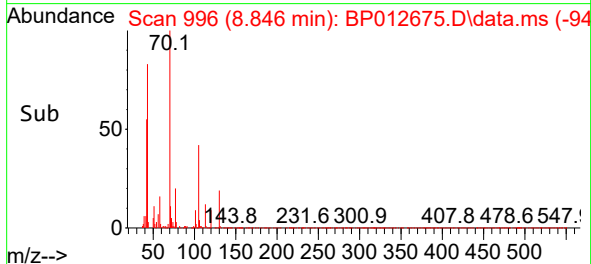
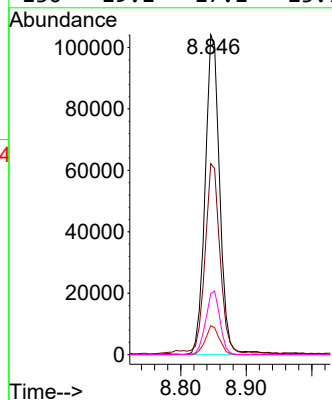
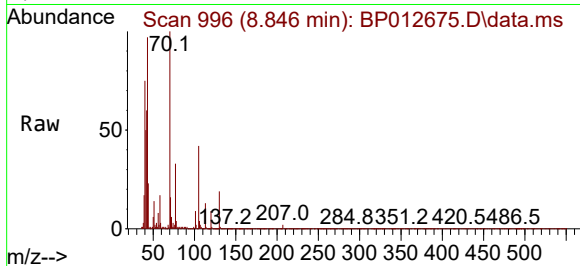




#19
n-Nitroso-di-n-propylamine
Concen: 9.080 ng
RT: 8.846 min Scan# 998
Delta R.T. -0.012 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

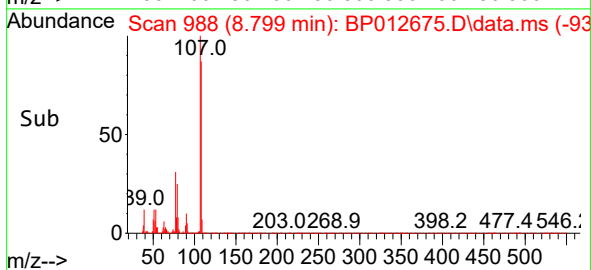
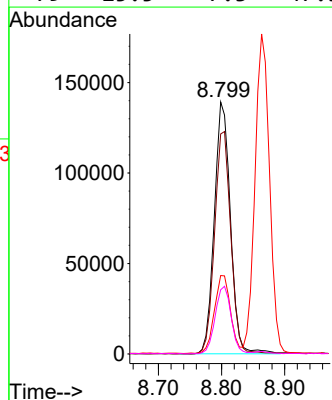
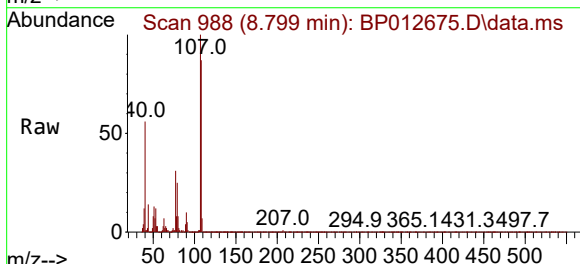
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

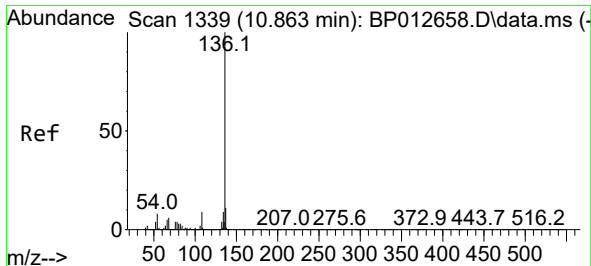
Tgt Ion:	70	Resp:	161284
Ion	Ratio	Lower	Upper
70	100		
42	59.7	46.4	69.6
101	9.1	7.6	11.4
130	19.1	17.1	25.7



#20
3+4-Methylphenols
Concen: 8.648 ng
RT: 8.799 min Scan# 988
Delta R.T. -0.012 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:	107	Resp:	247358
Ion	Ratio	Lower	Upper
107	100		
108	87.3	69.1	109.1
77	31.1	10.8	50.8
79	25.5	7.3	47.3

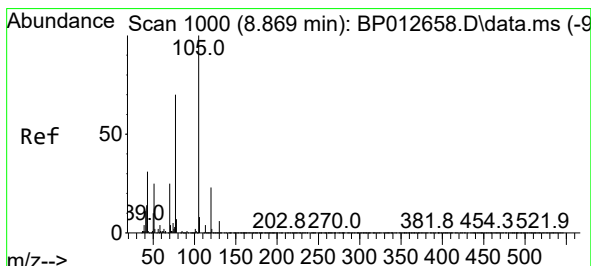
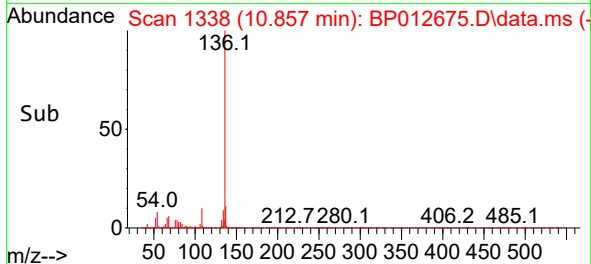
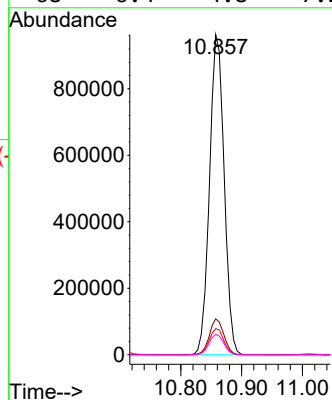
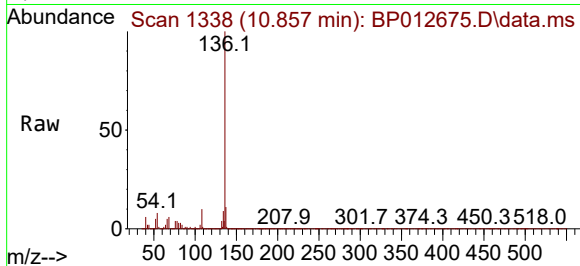




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

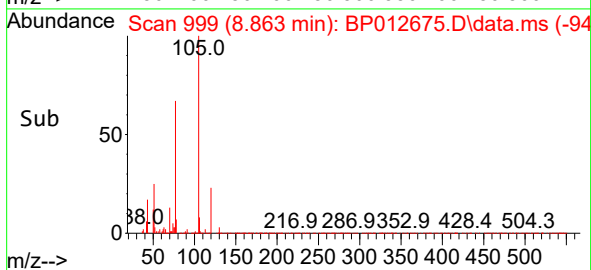
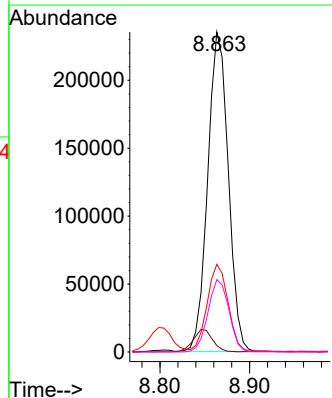
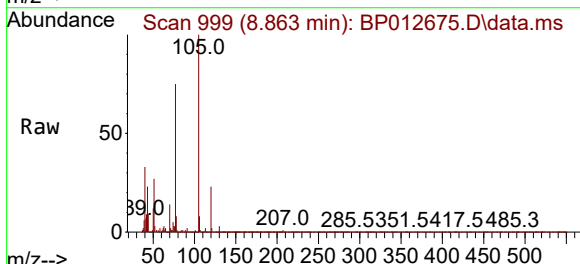
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

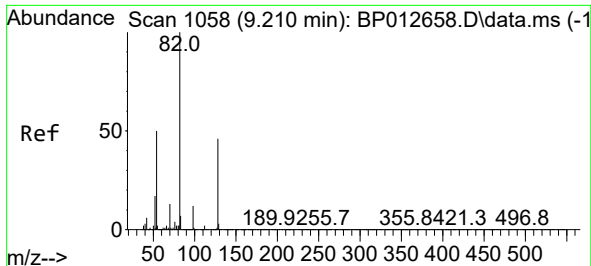
Tgt Ion:136 Resp: 1605390
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 8.2 6.3 9.5
68 6.4 4.8 7.2



#22
Acetophenone
Concen: 9.356 ng
RT: 8.863 min Scan# 999
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:105 Resp: 374912
Ion Ratio Lower Upper
105 100
71 2.0 3.1 4.7#
51 27.4 21.4 32.2
120 22.6 18.6 28.0

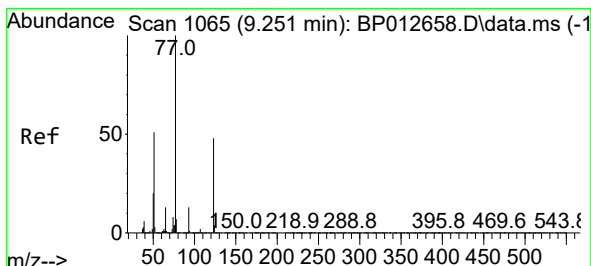
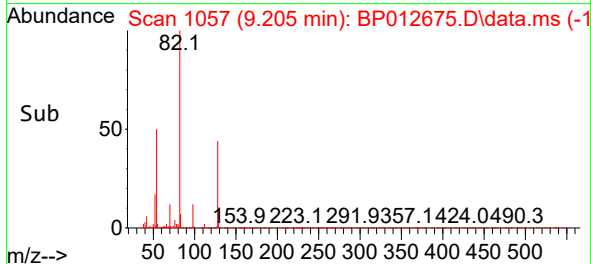
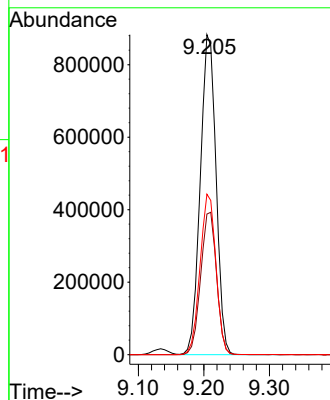
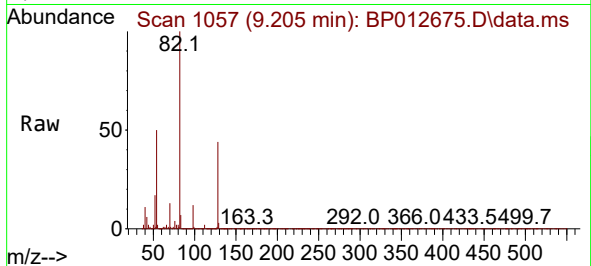




#23
Nitrobenzene-d5
Concen: 57.864 ng
RT: 9.205 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

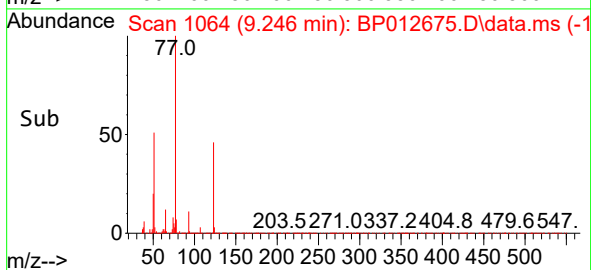
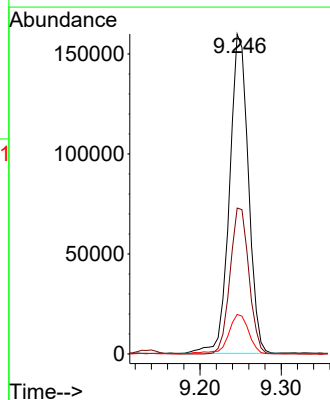
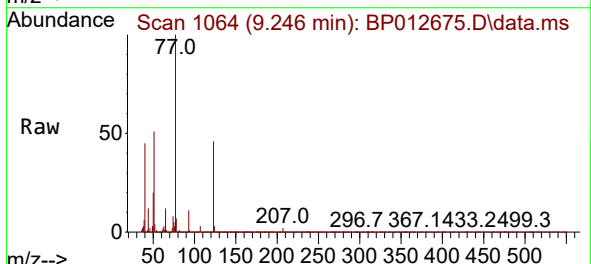
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

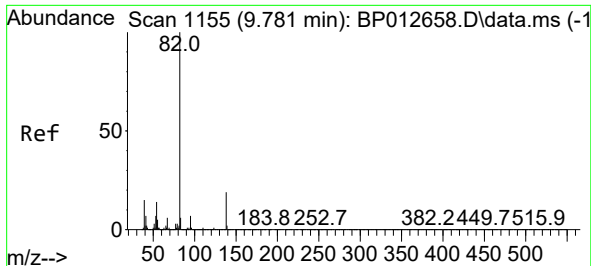
Tgt Ion: 82 Resp: 1477445
Ion Ratio Lower Upper
82 100
128 44.0 36.5 54.7
54 50.1 39.9 59.9



#24
Nitrobenzene
Concen: 9.327 ng
RT: 9.246 min Scan# 1064
Delta R.T. -0.005 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion: 77 Resp: 257163
Ion Ratio Lower Upper
77 100
123 45.6 38.7 58.1
65 12.4 10.6 15.8

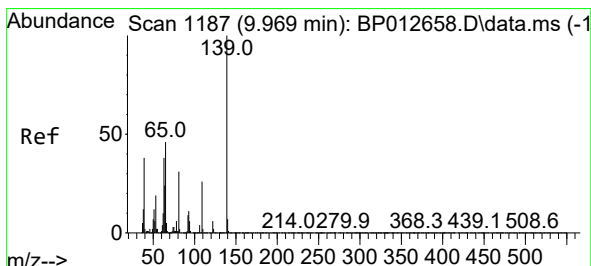
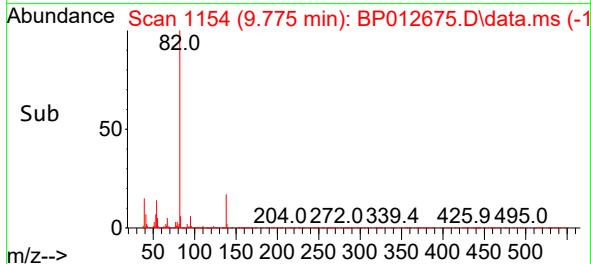
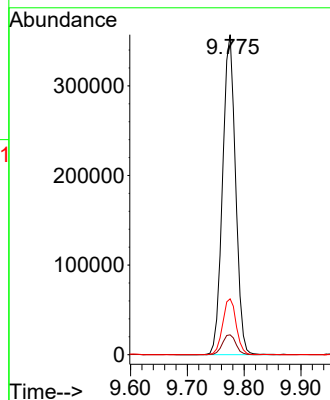
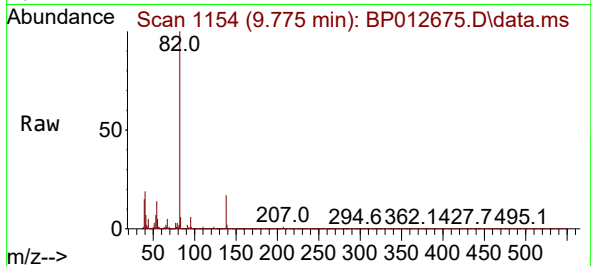




#25
Isophorone
Concen: 9.877 ng
RT: 9.775 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

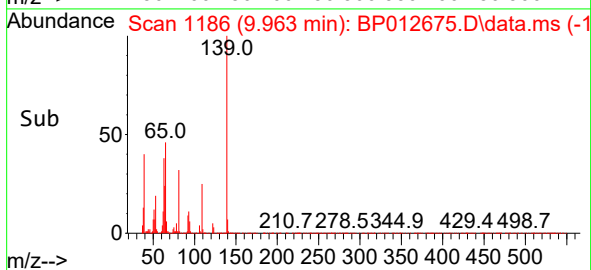
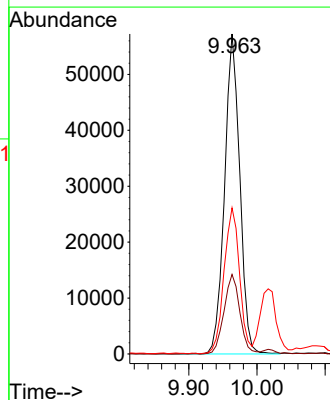
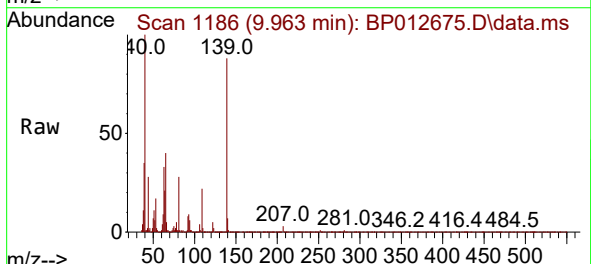
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

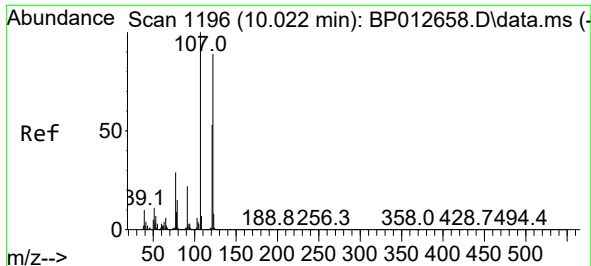
Tgt Ion: 82 Resp: 567296
Ion Ratio Lower Upper
82 100
95 6.2 5.4 8.0
138 17.4 14.9 22.3



#26
2-Nitrophenol
Concen: 7.439 ng
RT: 9.963 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion: 139 Resp: 88936
Ion Ratio Lower Upper
139 100
109 24.9 20.9 31.3
65 45.7 36.6 54.8

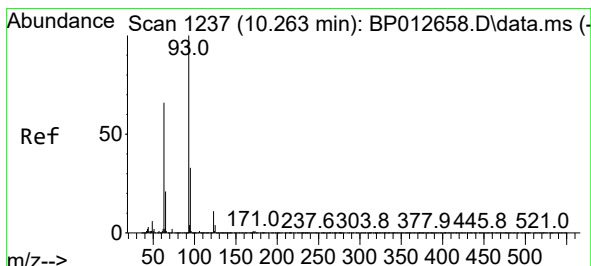
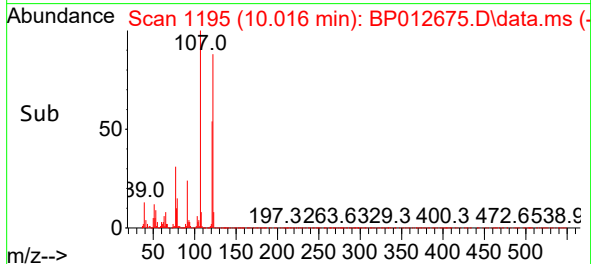
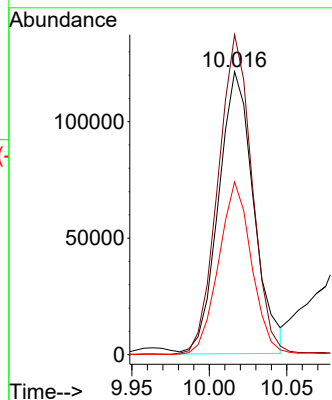
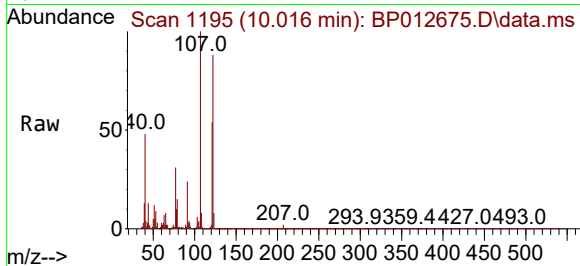




#27
2,4-Dimethylphenol
Concen: 8.482 ng
RT: 10.016 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

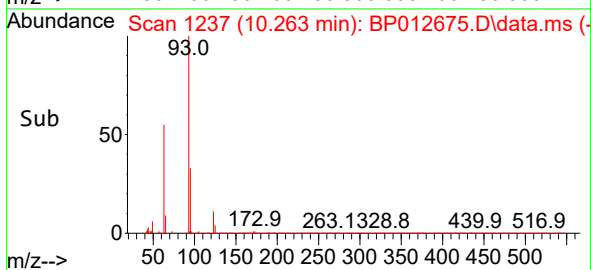
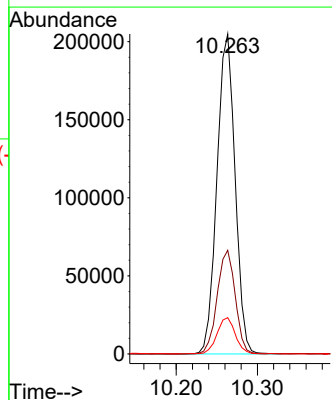
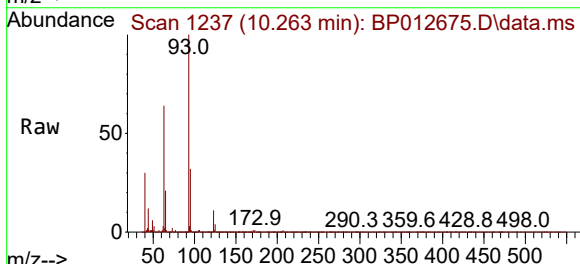
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

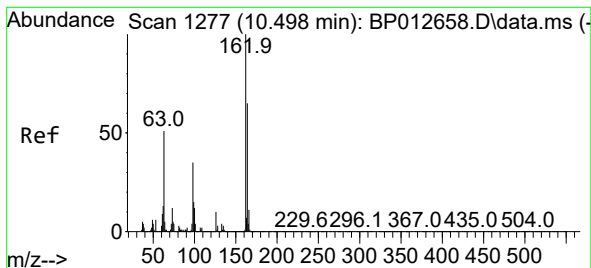
Tgt Ion:122 Resp: 191370
Ion Ratio Lower Upper
122 100
107 113.1 89.2 133.8
121 61.1 47.1 70.7



#28
bis(2-Chloroethoxy)methane
Concen: 9.743 ng
RT: 10.263 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion: 93 Resp: 318256
Ion Ratio Lower Upper
93 100
95 32.4 26.2 39.4
123 11.4 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 8.293 ng

RT: 10.493 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

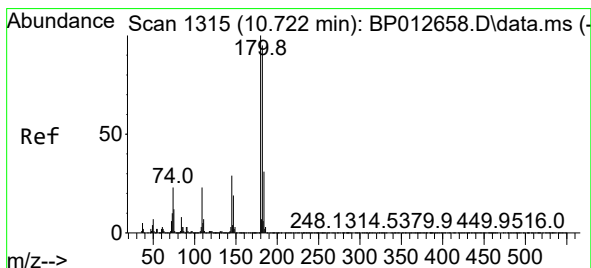
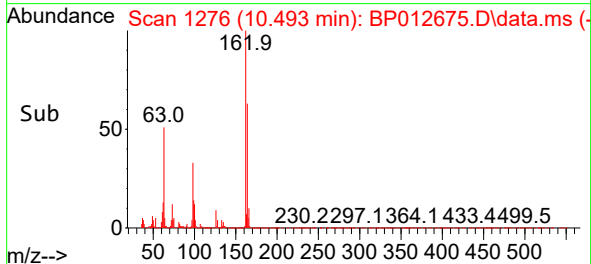
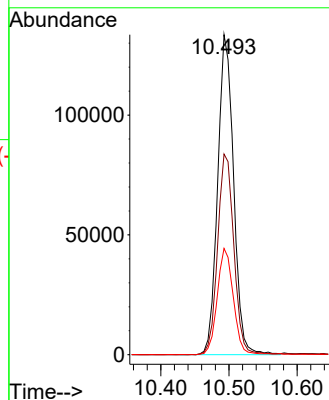
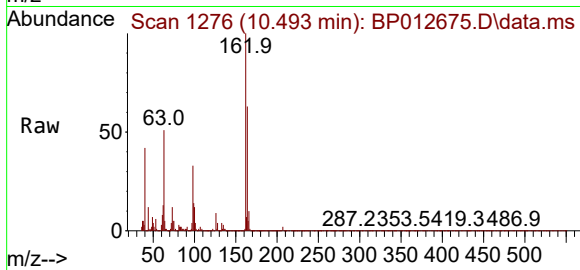
Tgt Ion:162 Resp: 217474

Ion Ratio Lower Upper

162 100

164 62.7 44.7 84.7

98 33.2 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 8.945 ng

RT: 10.716 min Scan# 1314

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

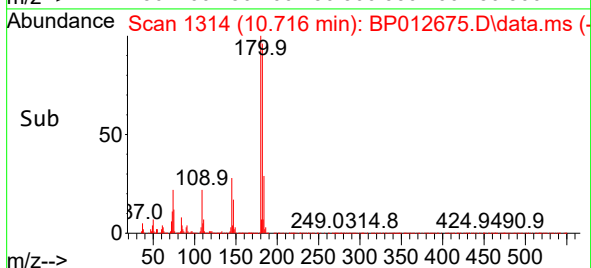
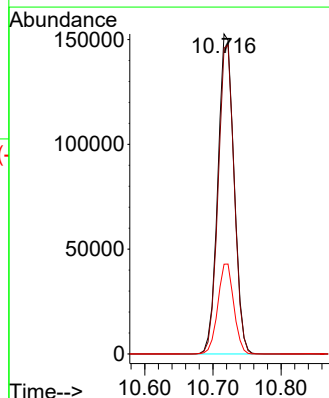
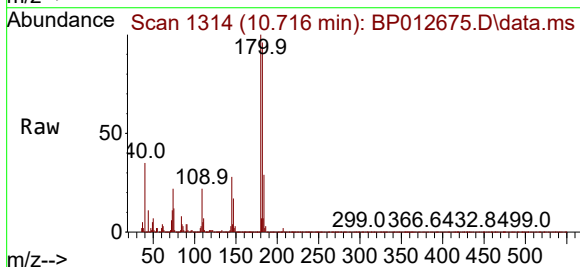
Tgt Ion:180 Resp: 251787

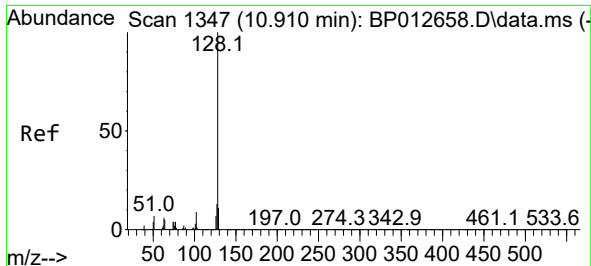
Ion Ratio Lower Upper

180 100

182 95.6 76.1 114.1

145 28.1 23.0 34.4

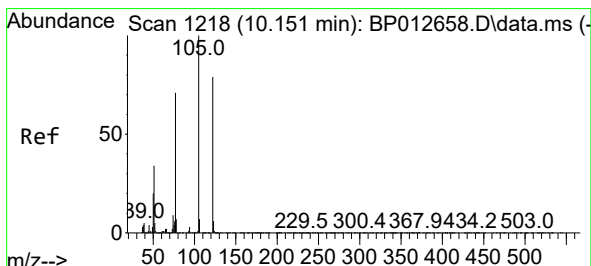
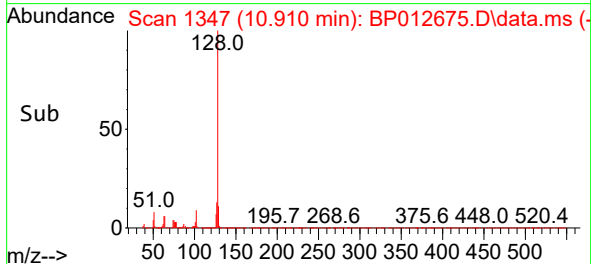
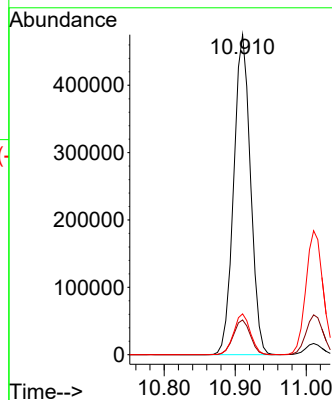
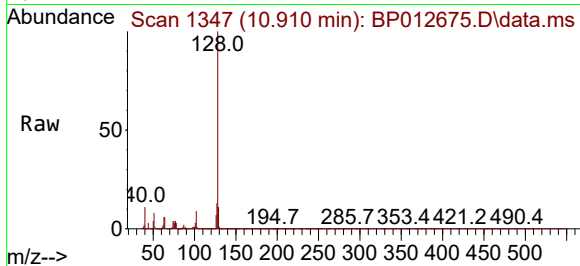




#31
Naphthalene
Concen: 8.834 ng
RT: 10.910 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

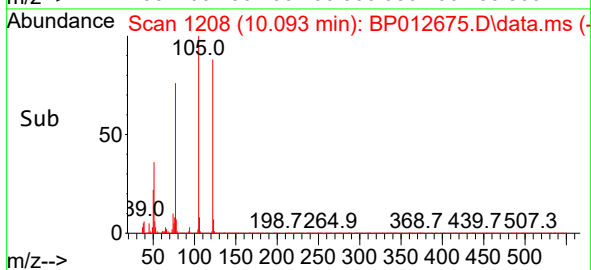
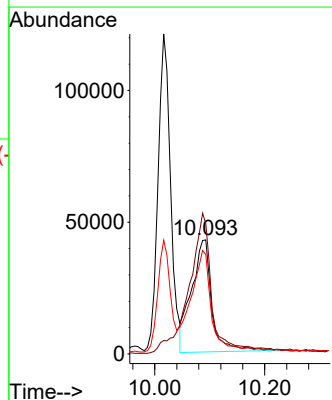
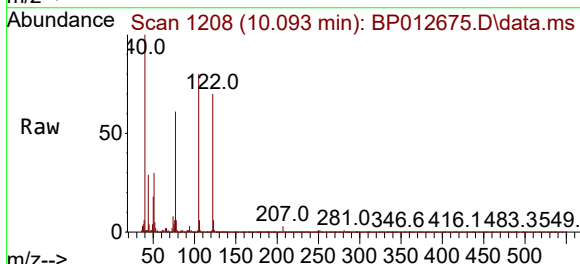
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

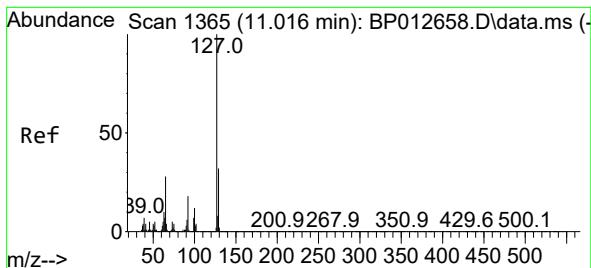
Tgt Ion:128 Resp: 779648
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 12.8 10.5 15.7



#32
Benzoic acid
Concen: 6.218 ng
RT: 10.093 min Scan# 1208
Delta R.T. -0.058 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:122 Resp: 109844
Ion Ratio Lower Upper
122 100
105 114.3 101.1 141.1
77 87.3 67.6 107.6





#33

4-Chloroaniline

Concen: 8.450 ng

RT: 11.010 min Scan# 1365

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:127 Resp: 310698

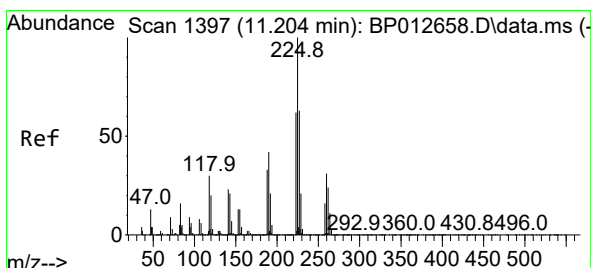
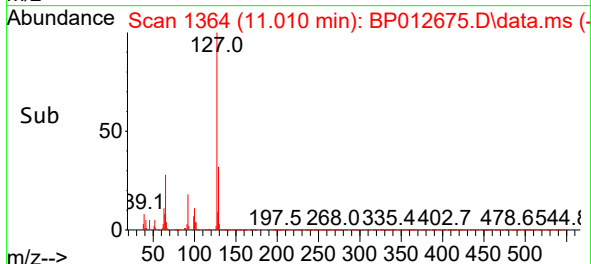
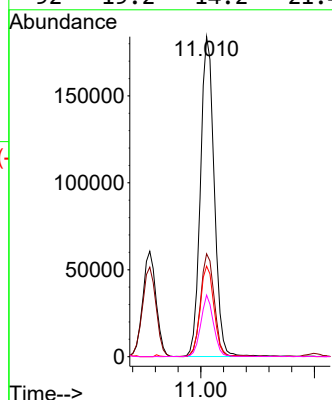
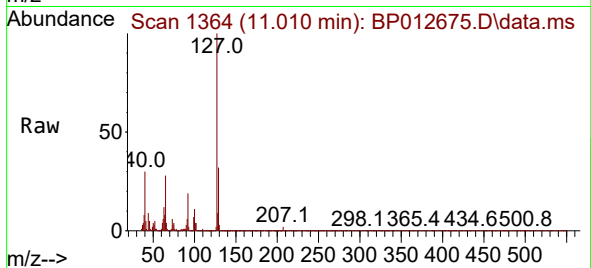
Ion Ratio Lower Upper

127 100

129 32.1 25.4 38.0

65 28.3 22.6 33.8

92 19.2 14.2 21.4



#34

Hexachlorobutadiene

Concen: 10.668 ng

RT: 11.199 min Scan# 1396

Delta R.T. -0.005 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

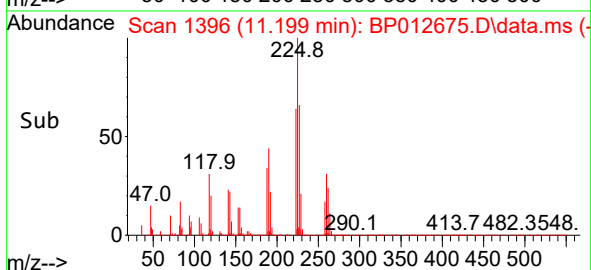
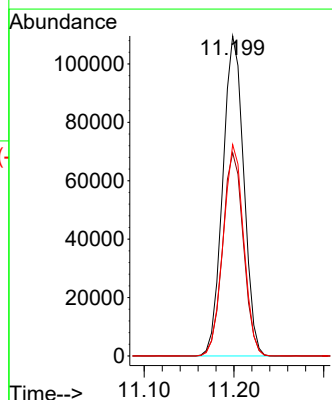
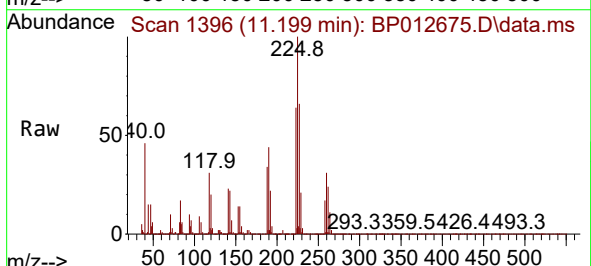
Tgt Ion:225 Resp: 177417

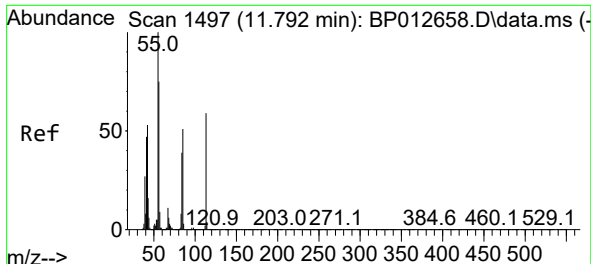
Ion Ratio Lower Upper

225 100

223 63.5 49.6 74.4

227 66.0 50.0 75.0

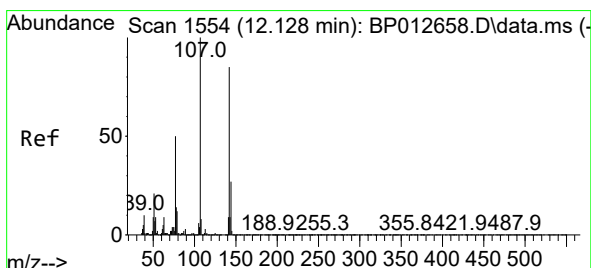
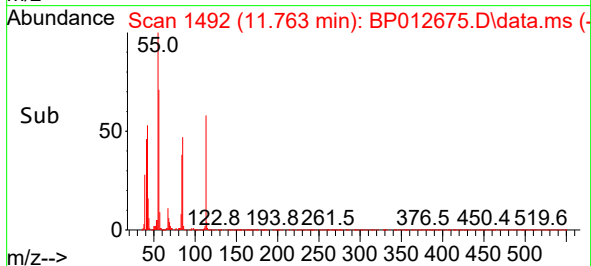
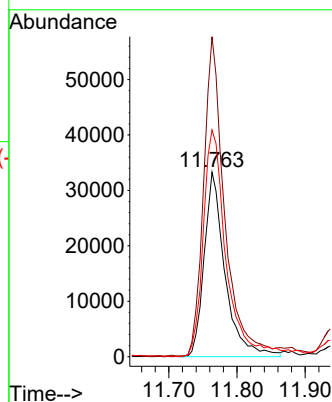
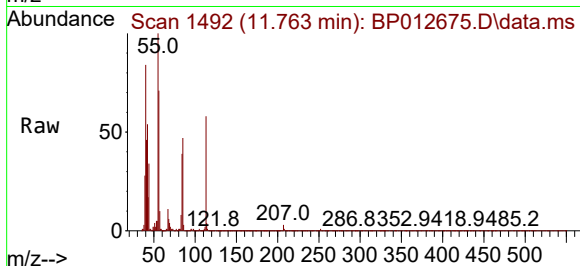




#35
Caprolactam
Concen: 8.273 ng
RT: 11.763 min Scan# 1492
Delta R.T. -0.029 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

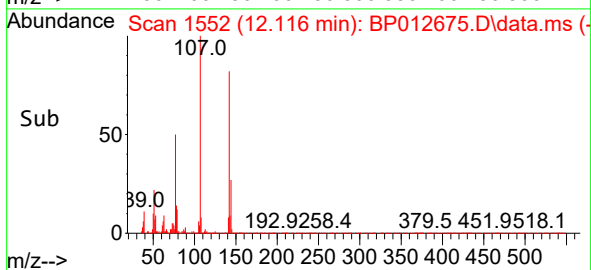
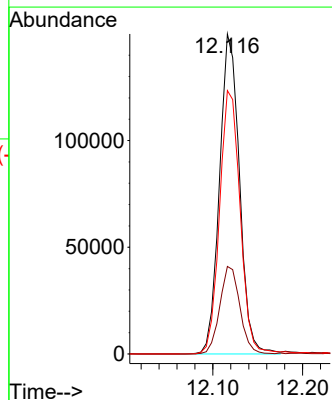
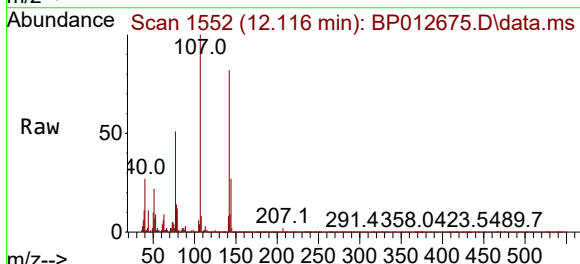
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

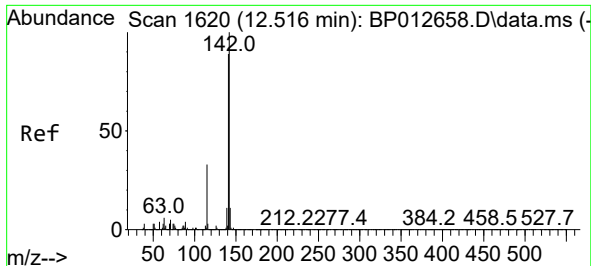
Tgt Ion:113 Resp: 70644
Ion Ratio Lower Upper
113 100
55 173.4 149.2 189.2
56 122.9 106.9 146.9



#36
4-Chloro-3-methylphenol
Concen: 8.223 ng
RT: 12.116 min Scan# 1552
Delta R.T. -0.012 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:107 Resp: 231479
Ion Ratio Lower Upper
107 100
144 27.3 21.9 32.9
142 82.3 68.1 102.1

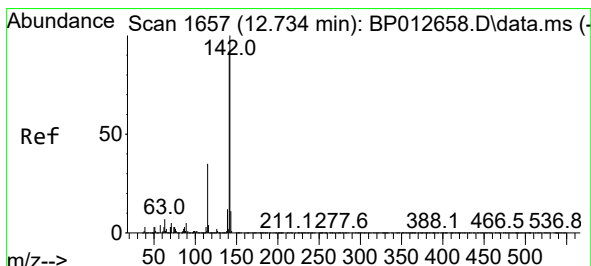
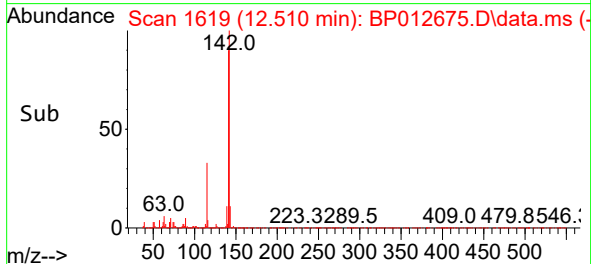
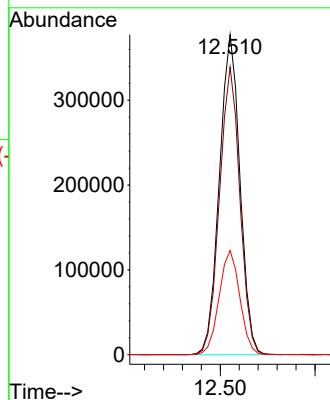
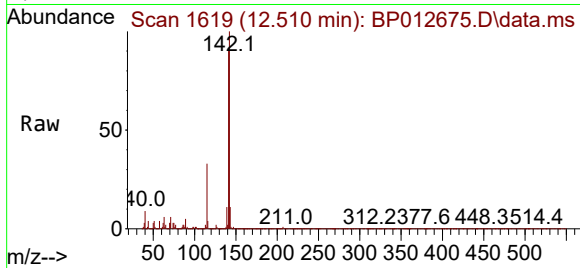




#37
2-Methylnaphthalene
Concen: 9.008 ng
RT: 12.510 min Scan# 1619
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

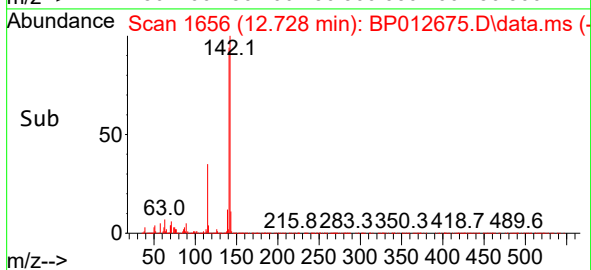
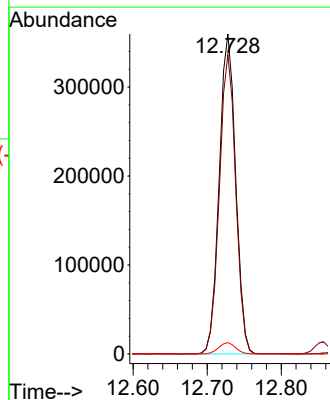
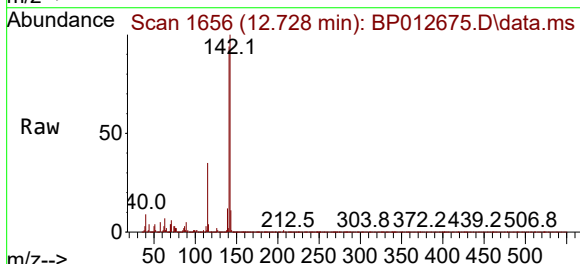
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

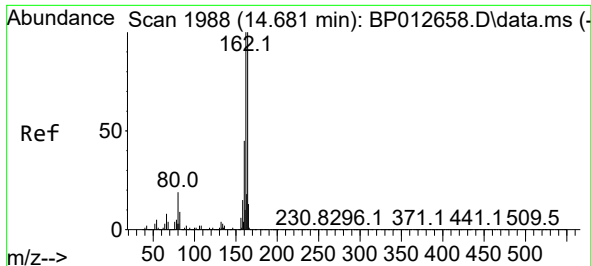
Tgt Ion:142 Resp: 568544
Ion Ratio Lower Upper
142 100
141 89.9 71.0 106.6
115 32.6 26.2 39.4



#38
1-Methylnaphthalene
Concen: 8.930 ng
RT: 12.728 min Scan# 1656
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:142 Resp: 553831
Ion Ratio Lower Upper
142 100
141 93.6 73.9 110.9
116 3.5 2.9 4.3

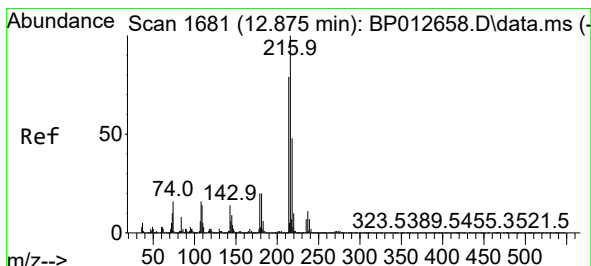
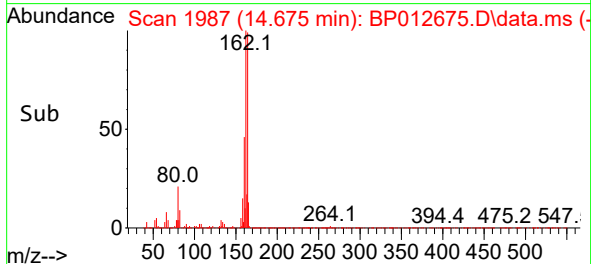
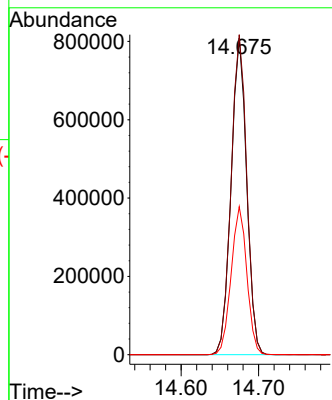
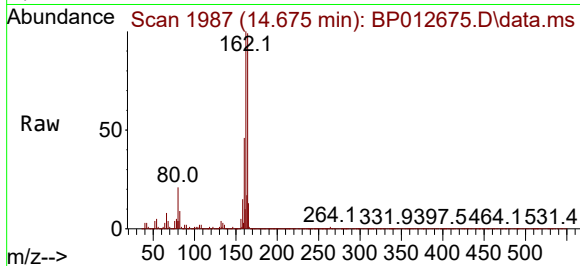




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.675 min Scan# 1988
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

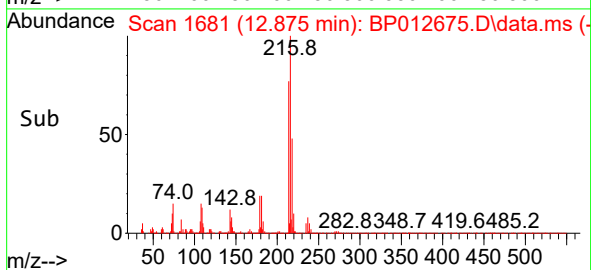
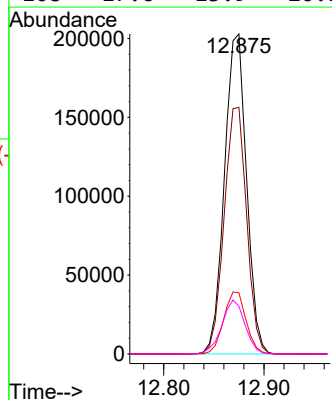
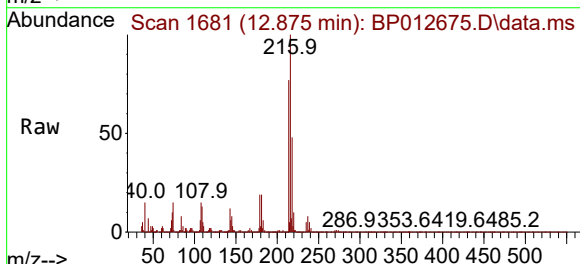
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

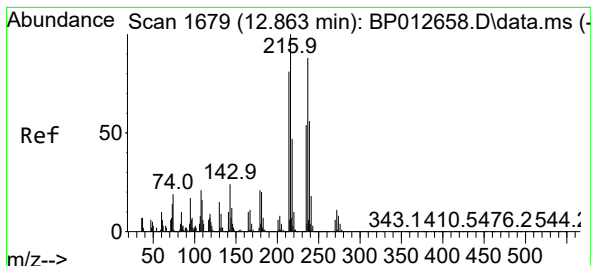
Tgt Ion:164 Resp: 1128923
Ion Ratio Lower Upper
164 100
162 101.0 80.3 120.5
160 46.8 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.437 ng
RT: 12.875 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:216 Resp: 310737
Ion Ratio Lower Upper
216 100
214 78.4 62.5 93.7
179 19.7 16.6 24.8
108 17.6 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 11.830 ng

RT: 12.857 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

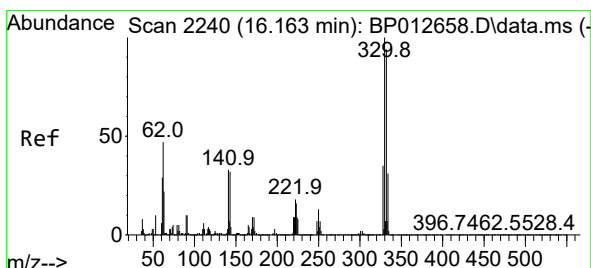
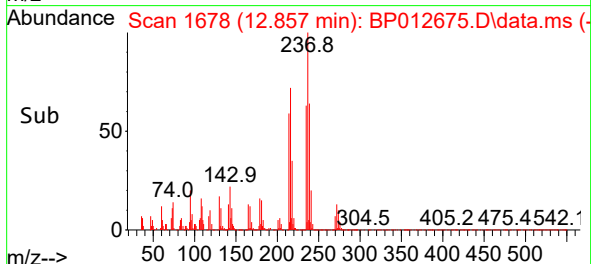
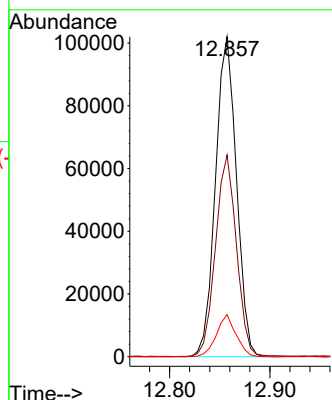
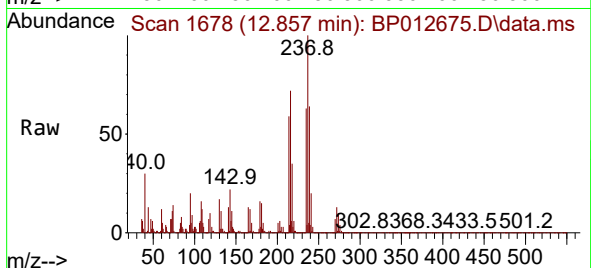
Tgt Ion:237 Resp: 148151

Ion Ratio Lower Upper

237 100

235 63.0 41.7 81.7

272 13.2 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 71.357 ng

RT: 16.163 min Scan# 2240

Delta R.T. 0.000 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

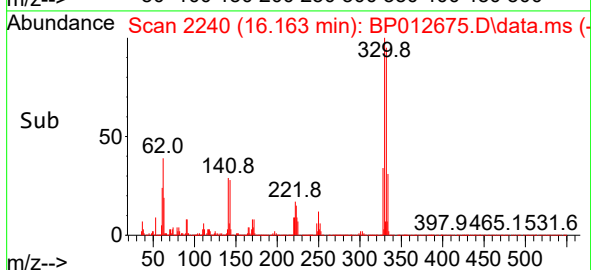
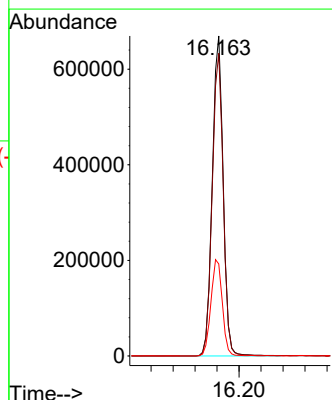
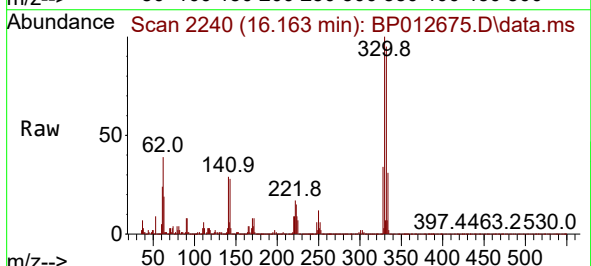
Tgt Ion:330 Resp: 921884

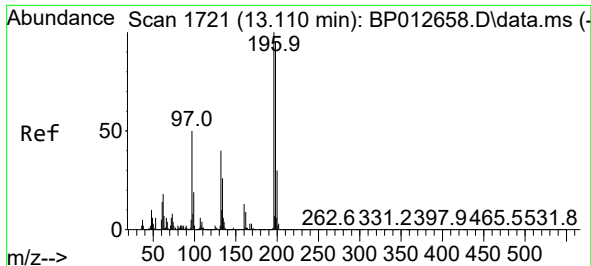
Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.4

141 31.5 26.7 40.1

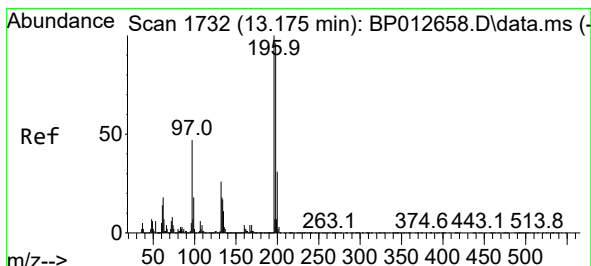
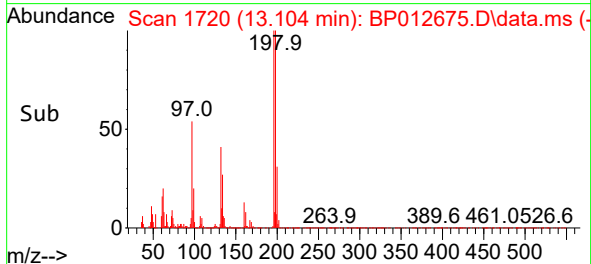
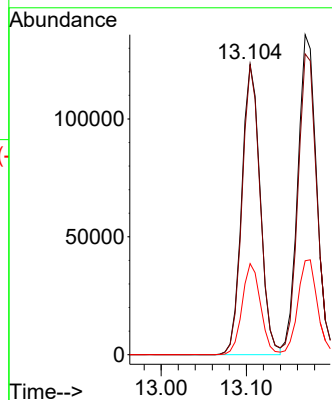
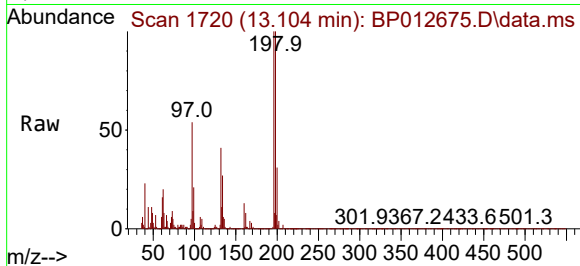




#43
2,4,6-Trichlorophenol
Concen: 7.888 ng
RT: 13.104 min Scan# 1720
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

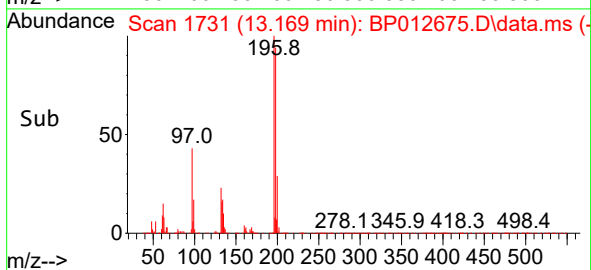
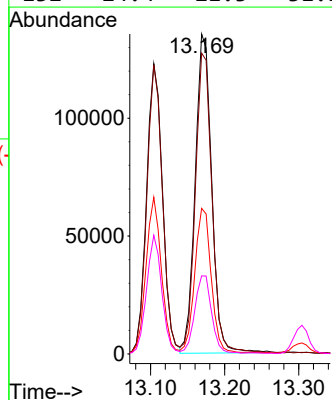
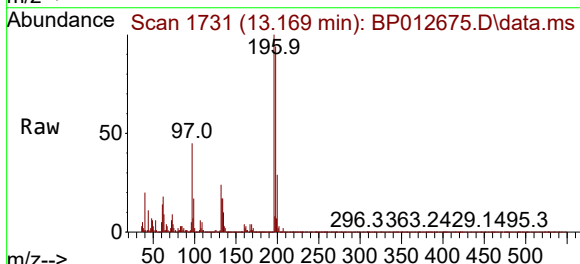
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

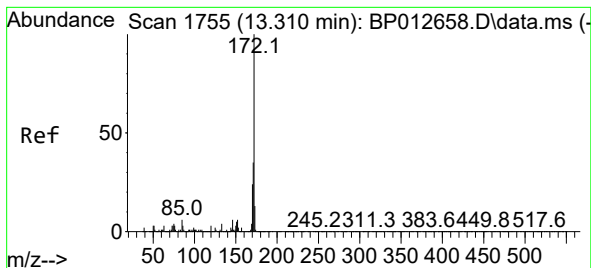
Tgt Ion:196 Resp: 184911
Ion Ratio Lower Upper
196 100
198 99.6 75.8 113.6
200 31.4 24.4 36.6



#44
2,4,5-Trichlorophenol
Concen: 8.074 ng
RT: 13.169 min Scan# 1731
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:196 Resp: 209397
Ion Ratio Lower Upper
196 100
198 94.0 76.4 114.6
97 45.5 37.5 56.3
132 24.4 21.3 31.9





#45

2-Fluorobiphenyl

Concen: 53.818 ng

RT: 13.304 min Scan# 1754

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

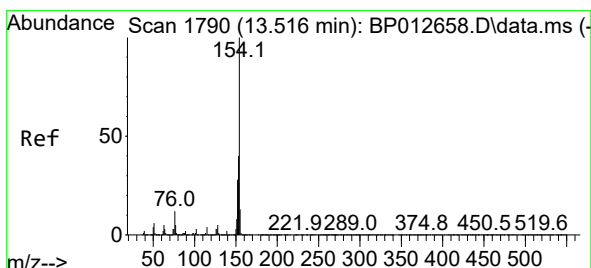
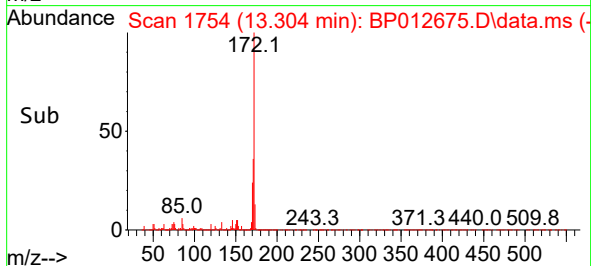
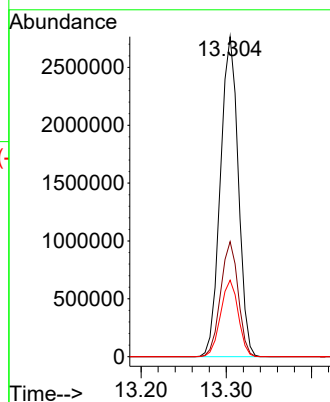
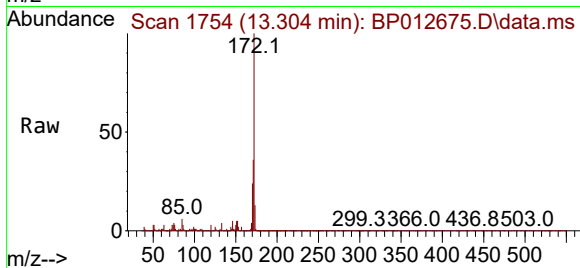
Tgt Ion:172 Resp: 4037891

Ion Ratio Lower Upper

172 100

171 36.0 28.3 42.5

170 23.9 19.3 28.9



#46

1,1'-Biphenyl

Concen: 9.424 ng

RT: 13.510 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

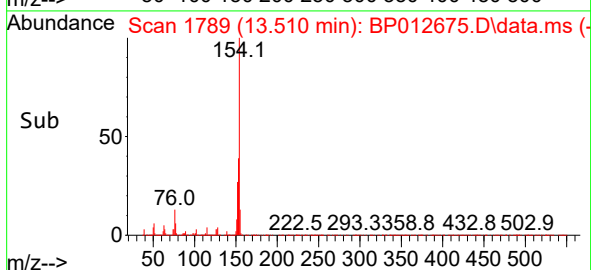
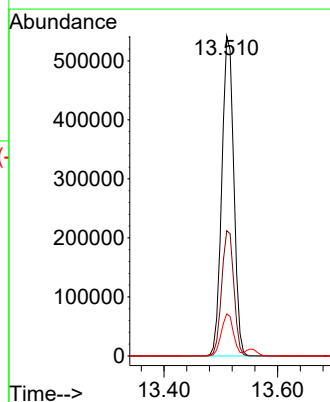
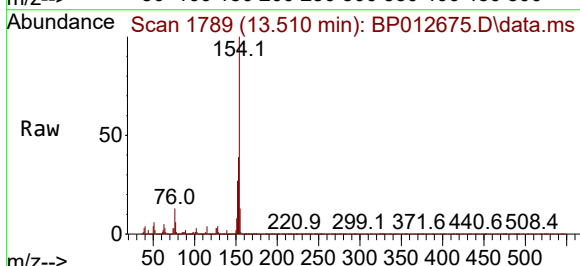
Tgt Ion:154 Resp: 795604

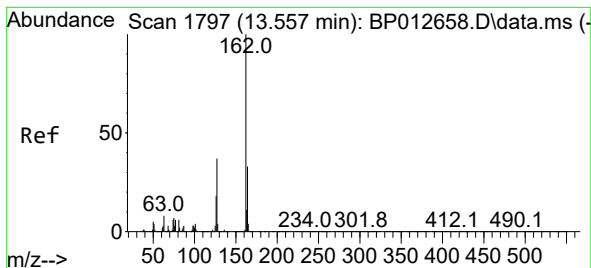
Ion Ratio Lower Upper

154 100

153 39.1 19.6 59.6

76 13.1 0.0 32.4





#47

2-Chloronaphthalene

Concen: 8.974 ng

RT: 13.551 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

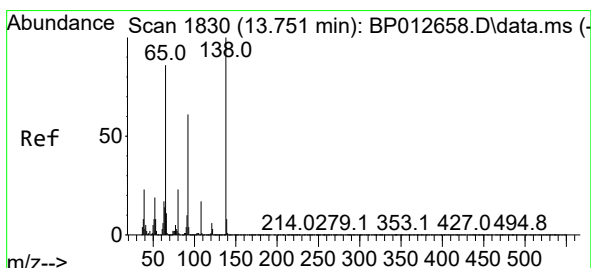
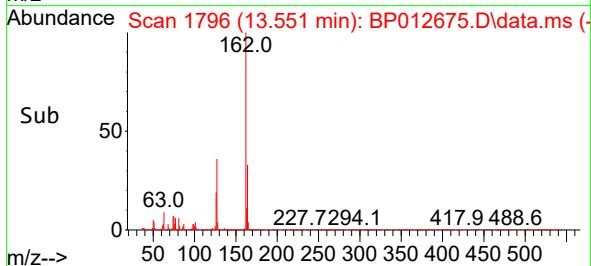
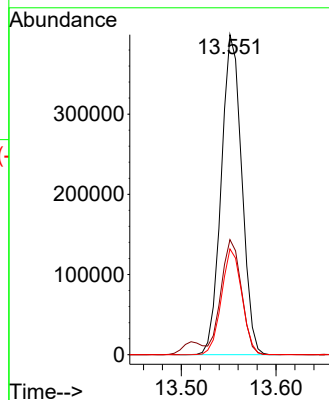
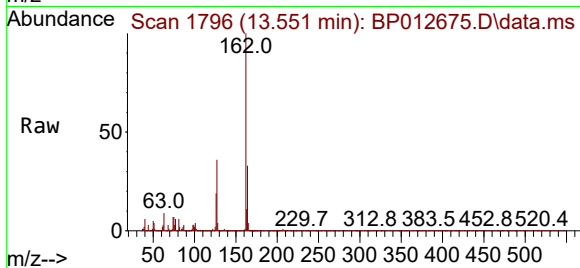
Tgt Ion:162 Resp: 601582

Ion Ratio Lower Upper

162 100

127 36.0 29.4 44.2

164 33.1 26.4 39.6



#48

2-Nitroaniline

Concen: 6.701 ng

RT: 13.746 min Scan# 1829

Delta R.T. -0.005 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

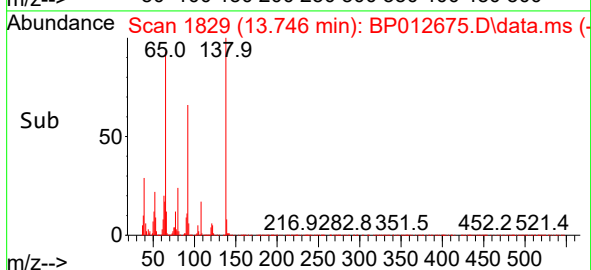
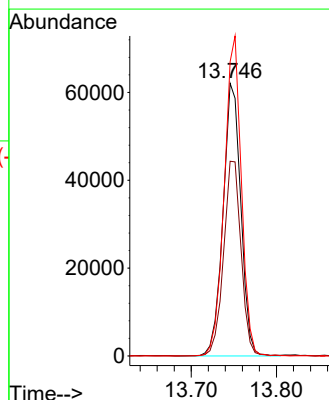
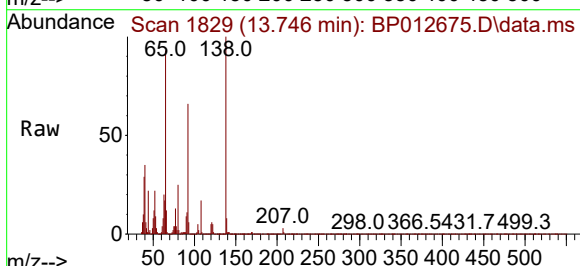
Tgt Ion: 65 Resp: 89896

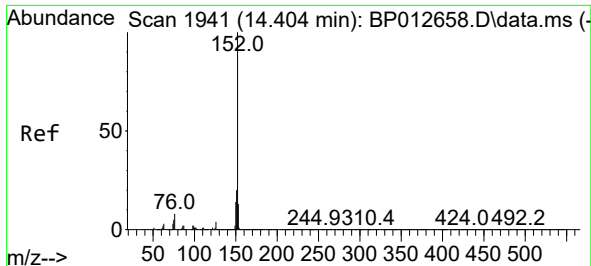
Ion Ratio Lower Upper

65 100

92 71.4 56.7 85.1

138 107.9 92.7 139.1

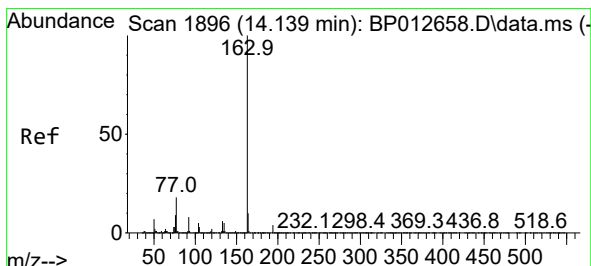
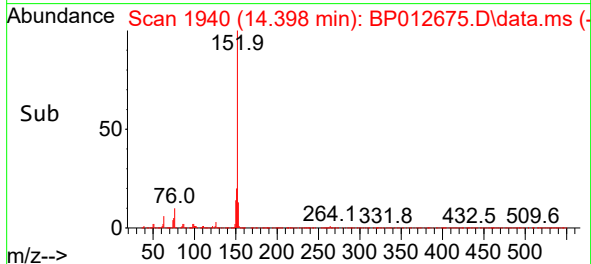
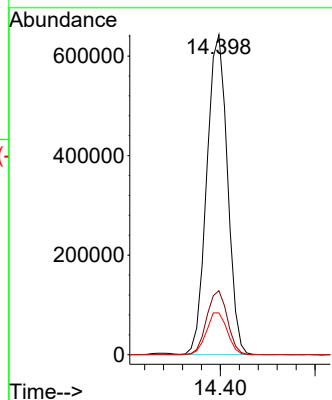
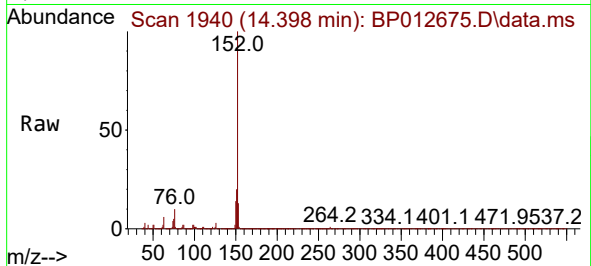




#49
Acenaphthylene
Concen: 8.860 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

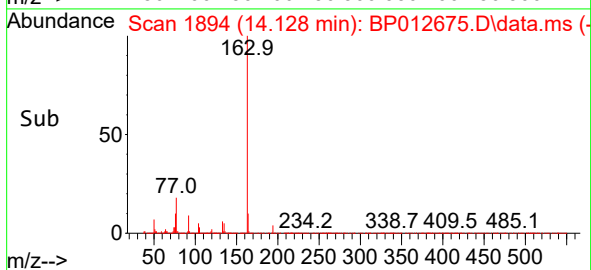
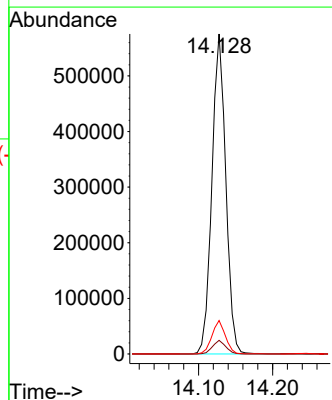
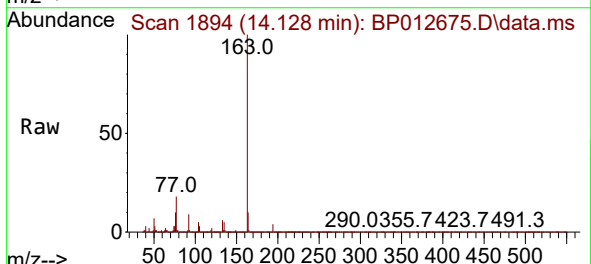
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

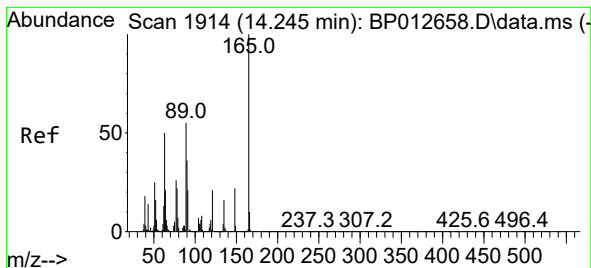
Tgt Ion:152 Resp: 969304
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.0 10.6 15.8



#50
Dimethylphthalate
Concen: 8.399 ng
RT: 14.128 min Scan# 1894
Delta R.T. -0.011 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:163 Resp: 746835
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.4 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 8.091 ng

RT: 14.240 min Scan# 1914

Delta R.T. -0.005 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

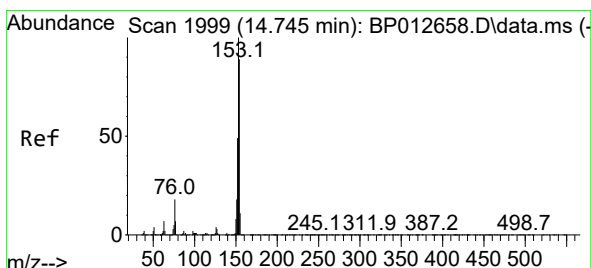
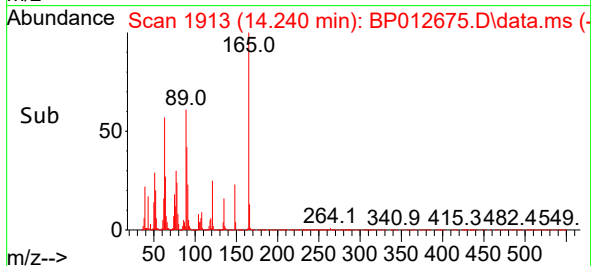
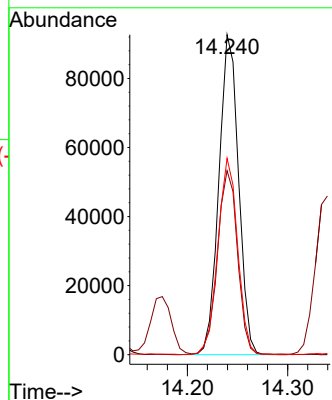
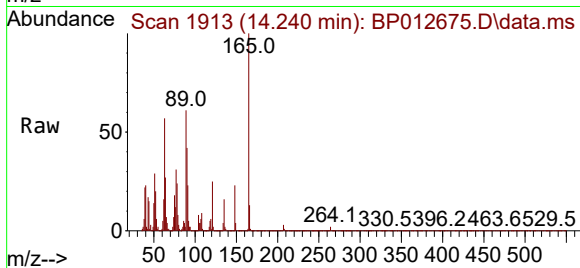
Tgt Ion:165 Resp: 126173

Ion Ratio Lower Upper

165 100

63 57.5 42.6 63.8

89 61.3 44.0 66.0



#52

Acenaphthene

Concen: 9.009 ng

RT: 14.740 min Scan# 1998

Delta R.T. -0.005 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

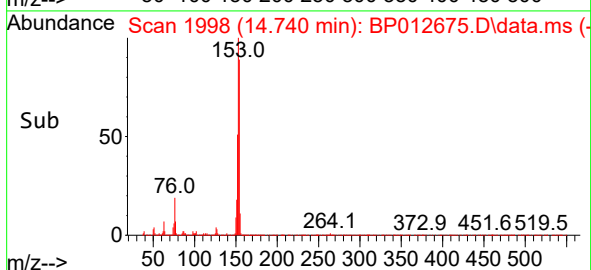
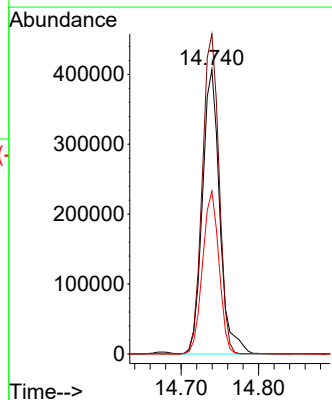
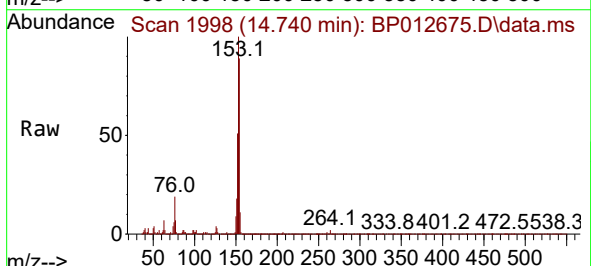
Tgt Ion:154 Resp: 628987

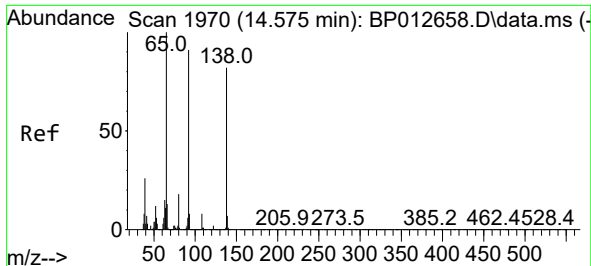
Ion Ratio Lower Upper

154 100

153 112.5 90.2 135.2

152 57.3 43.9 65.9

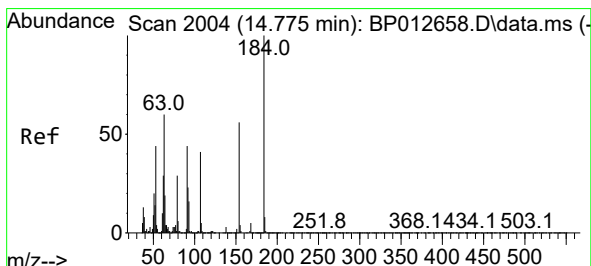
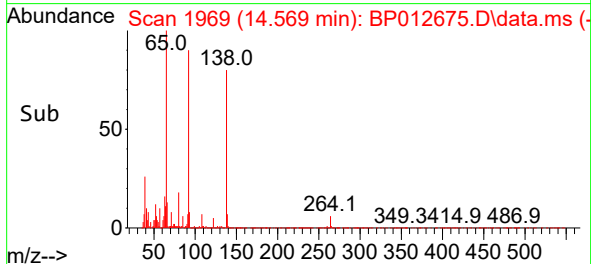
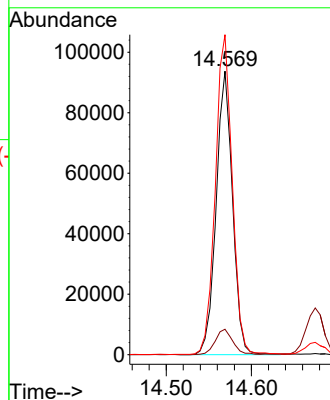
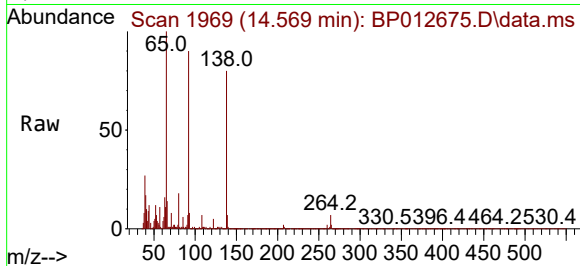




#53
3-Nitroaniline
Concen: 7.016 ng
RT: 14.569 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

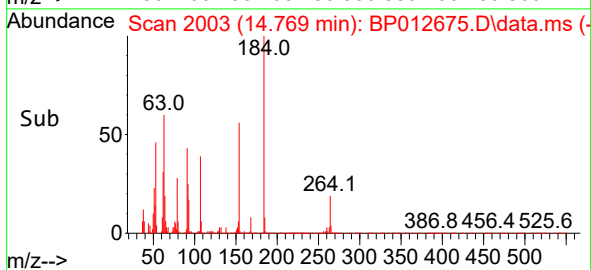
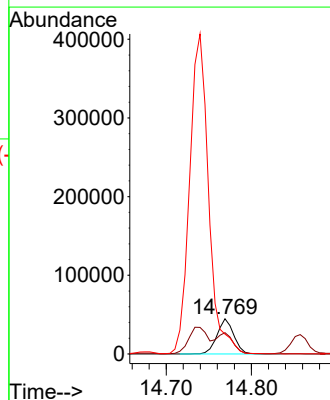
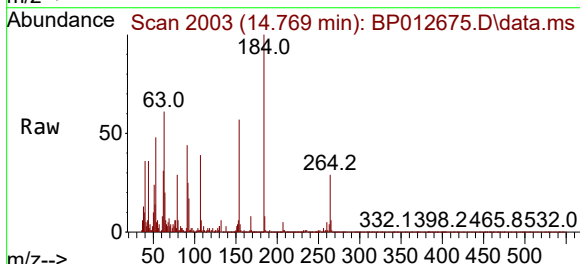
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

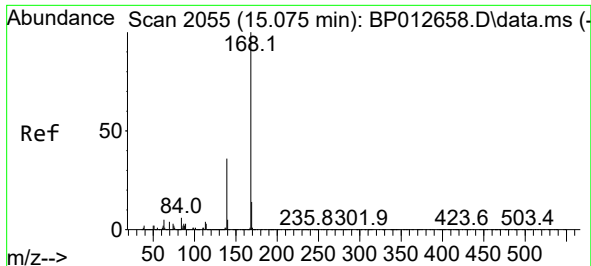
Tgt Ion:138 Resp: 125290
Ion Ratio Lower Upper
138 100
108 9.0 8.2 12.2
92 112.8 89.1 133.7



#54
2,4-Dinitrophenol
Concen: 7.058 ng
RT: 14.769 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:184 Resp: 61108
Ion Ratio Lower Upper
184 100
63 60.5 48.0 72.0
154 56.6 47.1 70.7

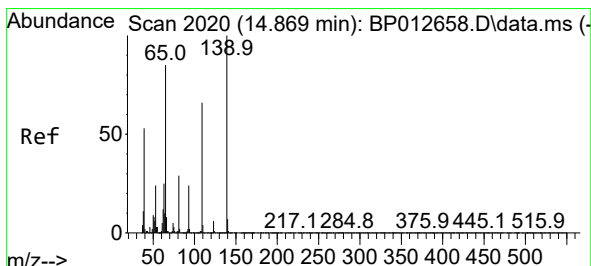
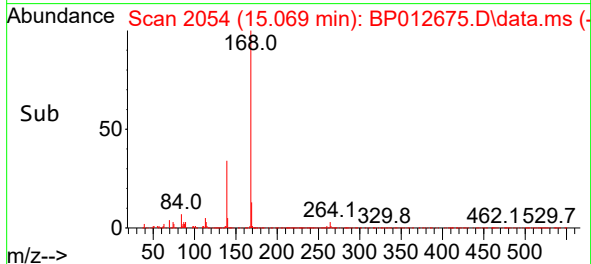
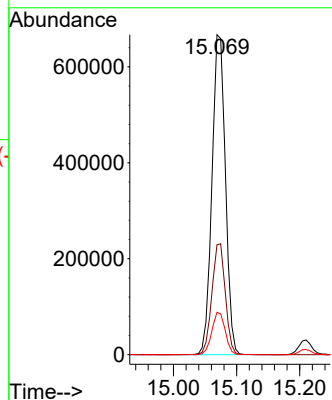
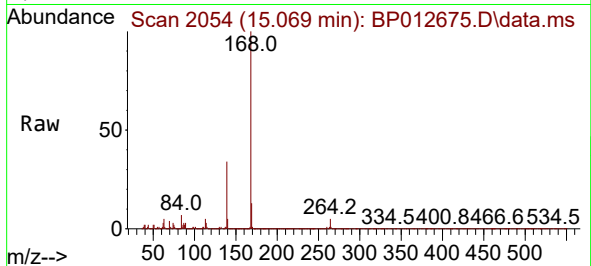




#55
Dibenzenofuran
Concen: 9.350 ng
RT: 15.069 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

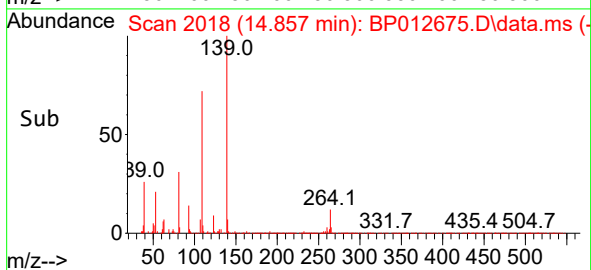
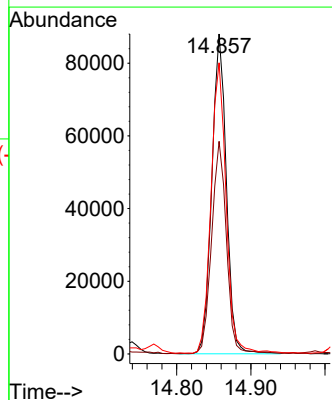
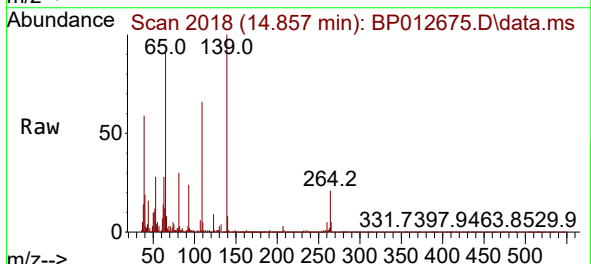
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

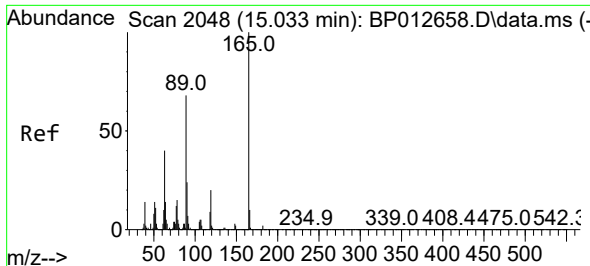
Tgt Ion:168 Resp: 985508
Ion Ratio Lower Upper
168 100
139 34.4 29.0 43.6
169 13.2 11.0 16.4



#56
4-Nitrophenol
Concen: 7.188 ng
RT: 14.857 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:139 Resp: 120150
Ion Ratio Lower Upper
139 100
109 66.5 45.7 85.7
65 91.0 65.4 105.4

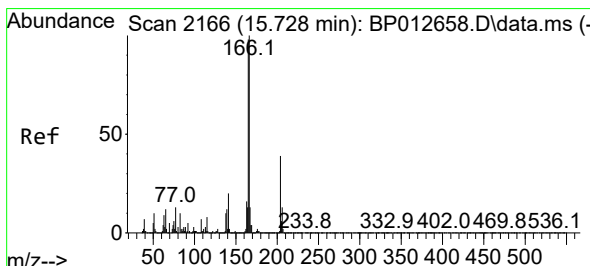
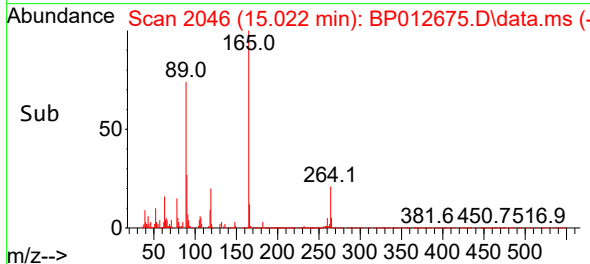
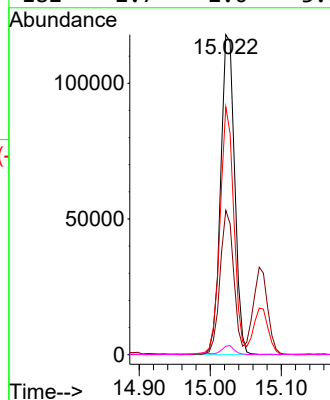
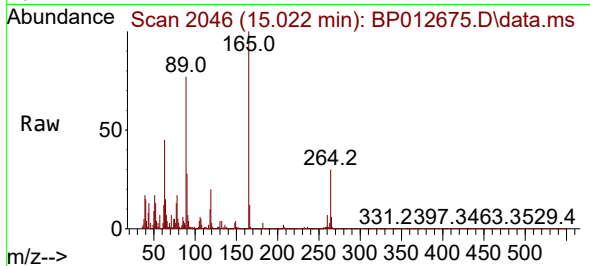




#57
2,4-Dinitrotoluene
Concen: 7.743 ng
RT: 15.022 min Scan# 2046
Delta R.T. -0.011 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

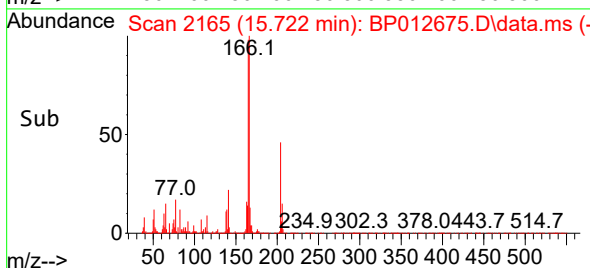
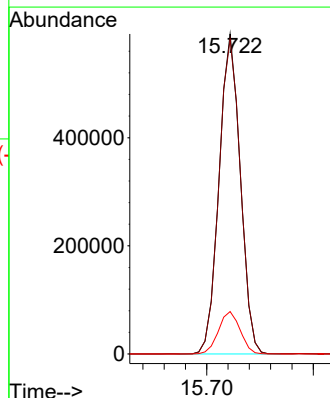
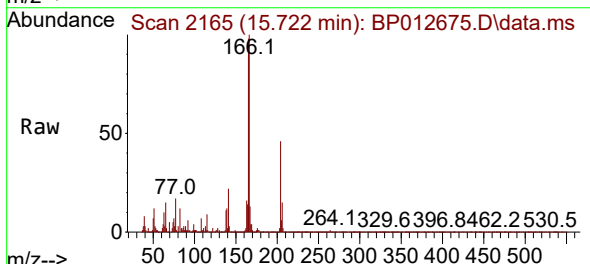
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

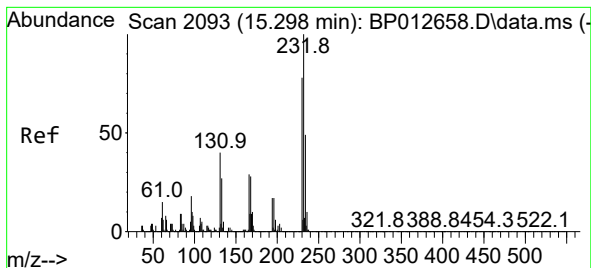
Tgt Ion:165 Resp: 160605
Ion Ratio Lower Upper
165 100
63 45.1 32.0 48.0
89 77.4 54.1 81.1
182 2.7 2.0 3.0



#58
Fluorene
Concen: 9.842 ng
RT: 15.722 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:166 Resp: 816479
Ion Ratio Lower Upper
166 100
165 98.3 78.8 118.2
167 13.3 10.8 16.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.334 ng

RT: 15.292 min Scan# 2093

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:232 Resp: 194586

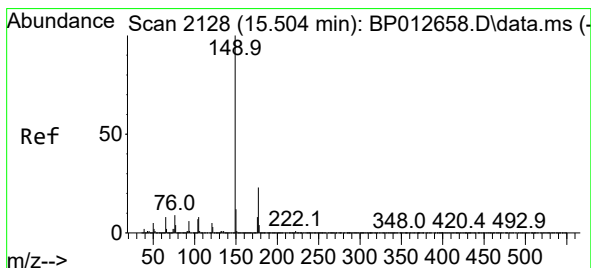
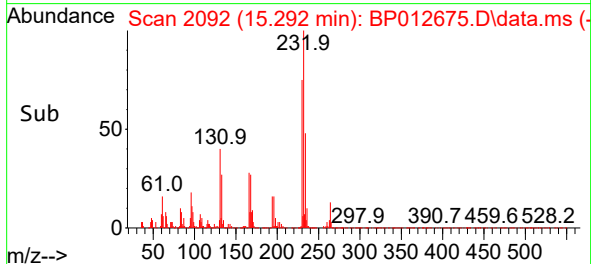
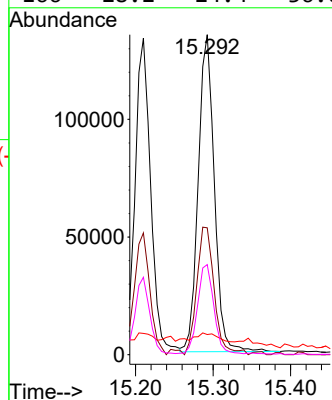
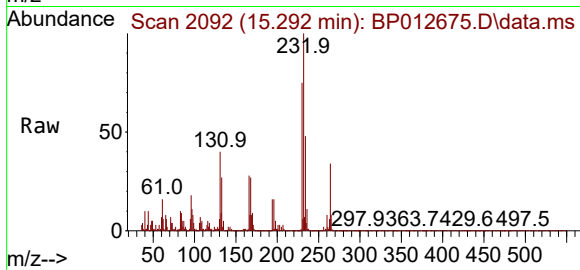
Ion Ratio Lower Upper

232 100

131 43.5 34.3 51.5

130 3.4 1.8 2.6#

166 28.2 24.4 36.6



#60

Diethylphthalate

Concen: 8.860 ng

RT: 15.492 min Scan# 2126

Delta R.T. -0.012 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

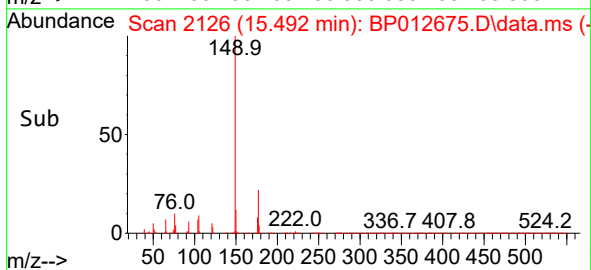
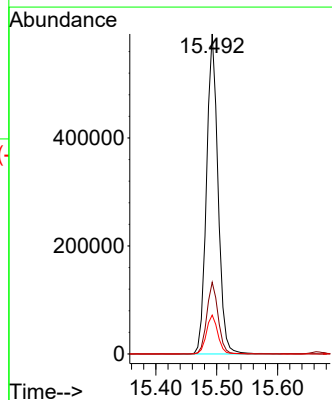
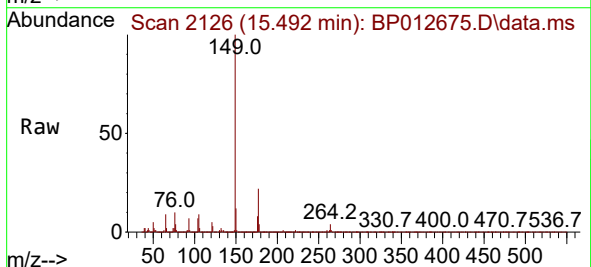
Tgt Ion:149 Resp: 775004

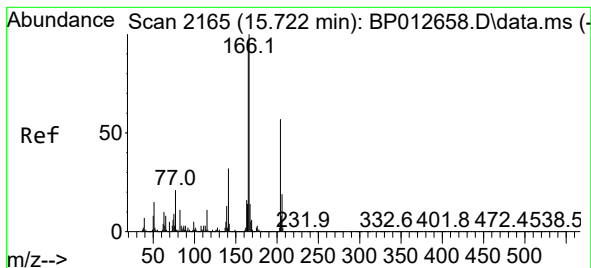
Ion Ratio Lower Upper

149 100

177 22.4 18.2 27.4

150 12.2 9.8 14.6

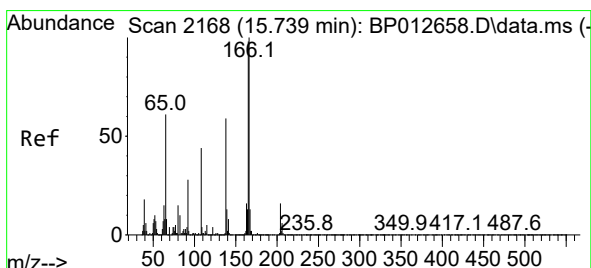
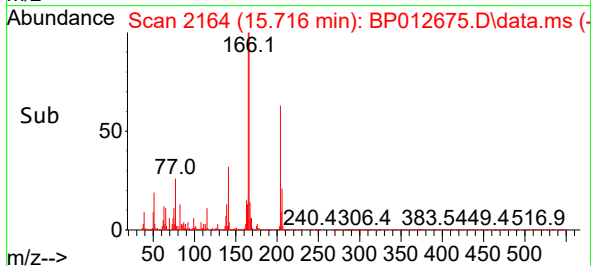
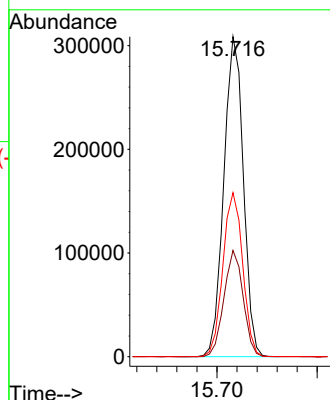
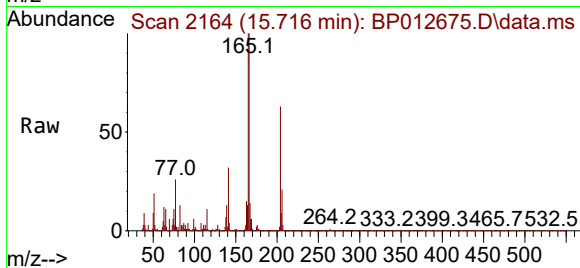




#61
4-Chlorophenyl-phenylether
Concen: 10.446 ng
RT: 15.716 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

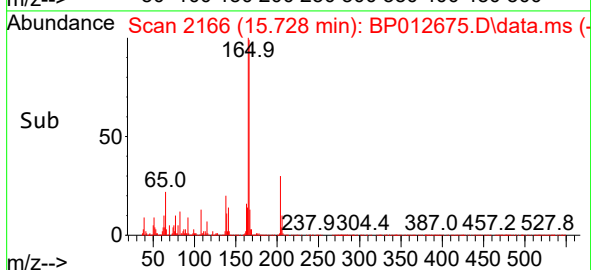
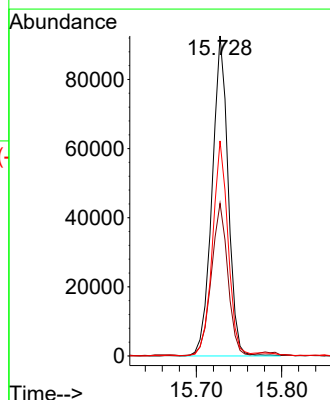
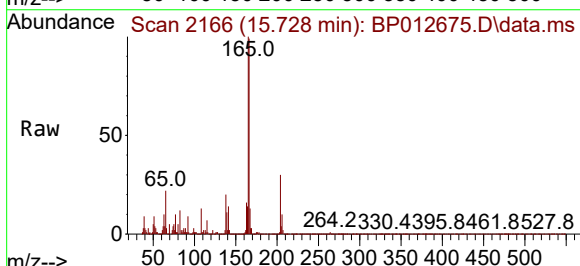
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

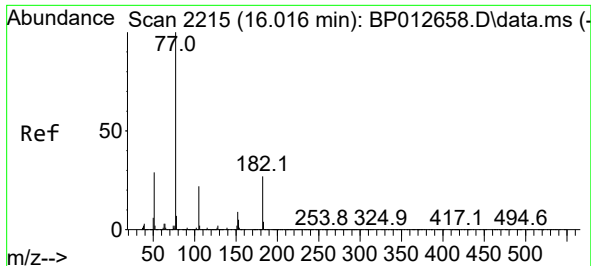
Tgt Ion:204 Resp: 416559
Ion Ratio Lower Upper
204 100
206 33.2 26.9 40.3
141 51.3 44.3 66.5



#62
4-Nitroaniline
Concen: 6.924 ng
RT: 15.728 min Scan# 2166
Delta R.T. -0.011 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:138 Resp: 120957
Ion Ratio Lower Upper
138 100
92 47.7 28.2 68.2
108 67.2 53.7 93.7

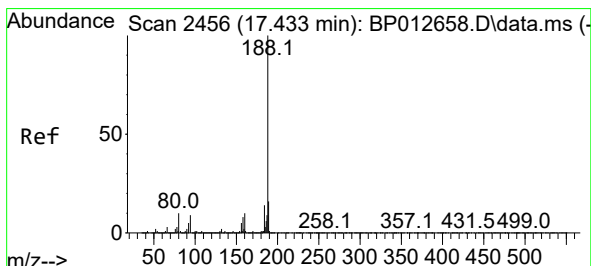
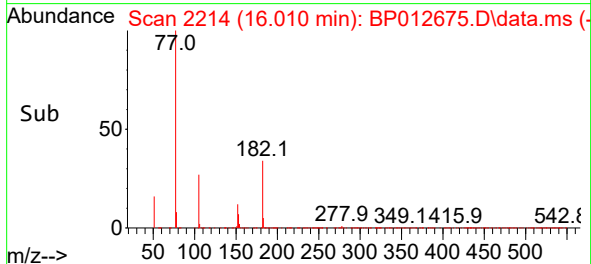
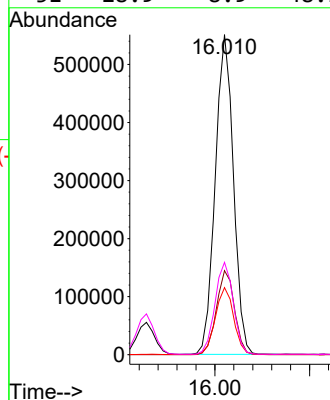
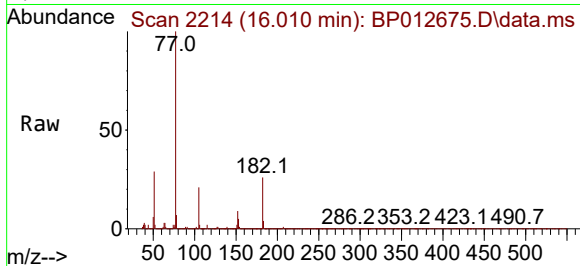




#63
Azobenzene
Concen: 9.178 ng
RT: 16.010 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

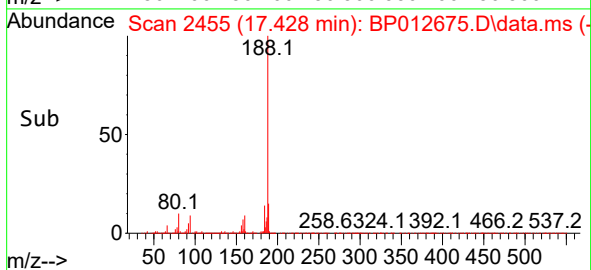
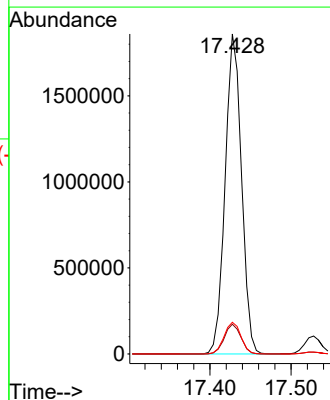
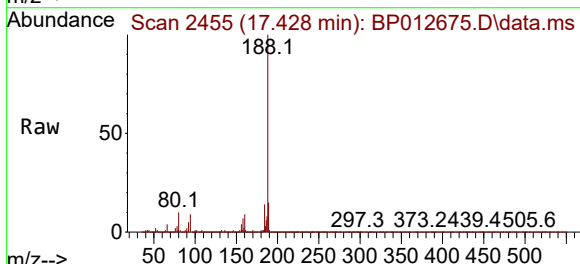
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

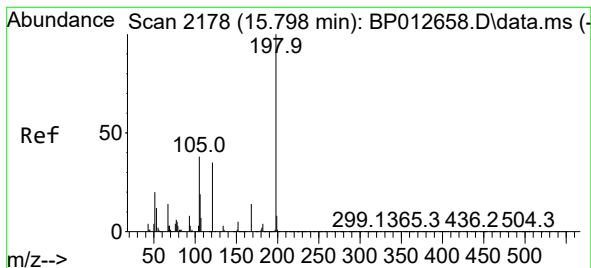
Tgt Ion: 77	Resp: 733444
Ion Ratio	Lower Upper
77 100	
182 26.3	7.1 47.1
105 20.9	1.9 41.9
51 28.9	8.9 48.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.428 min Scan# 2455
Delta R.T. -0.005 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:188	Resp: 2608033		
Ion Ratio	Lower	Upper	
188 100			
94 9.3	7.5	11.3	
80 9.9	8.2	12.2	

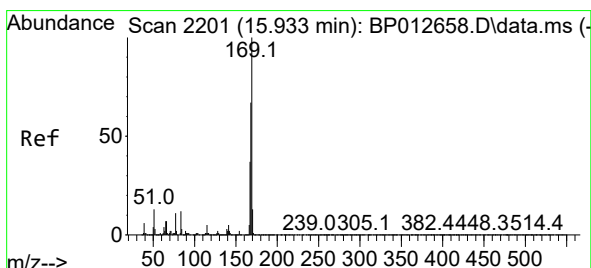
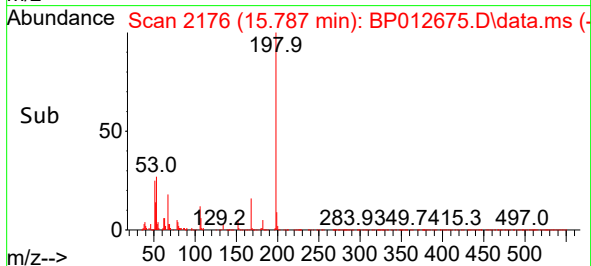
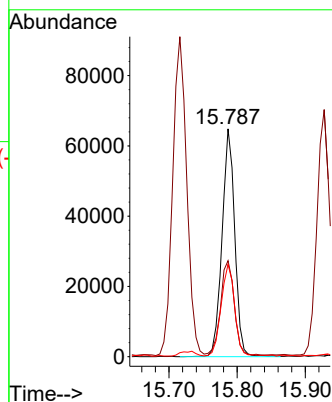
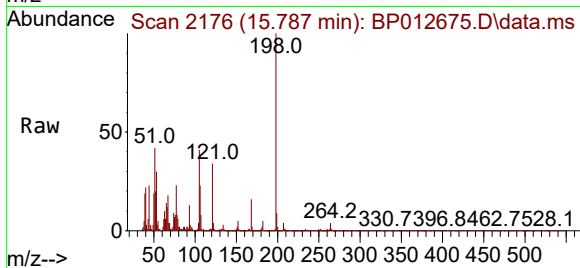




#65
4,6-Dinitro-2-methylphenol
Concen: 6.567 ng
RT: 15.787 min Scan# 2176
Delta R.T. -0.011 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

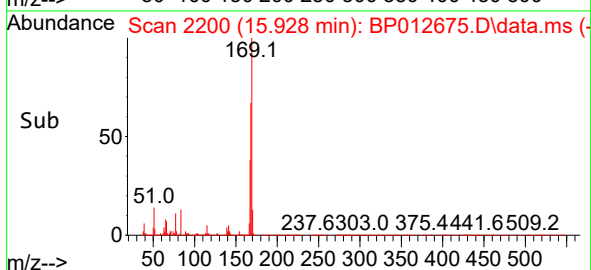
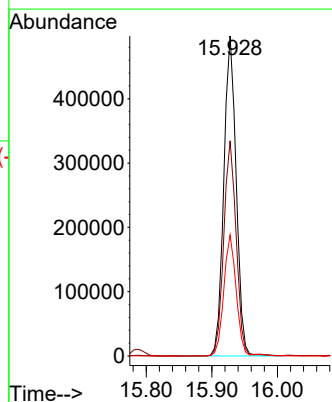
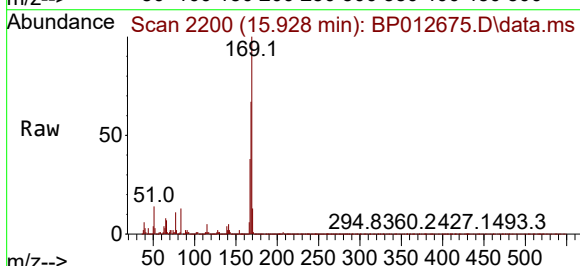
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

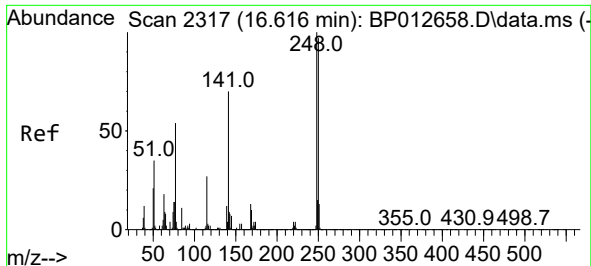
Tgt Ion:198 Resp: 84106
Ion Ratio Lower Upper
198 100
51 42.2 18.2 58.2
105 40.5 19.6 59.6



#66
n-Nitrosodiphenylamine
Concen: 8.359 ng
RT: 15.928 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:169 Resp: 649702
Ion Ratio Lower Upper
169 100
168 67.2 53.5 80.3
167 37.8 29.3 43.9

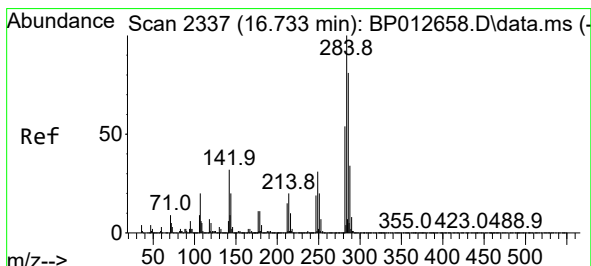
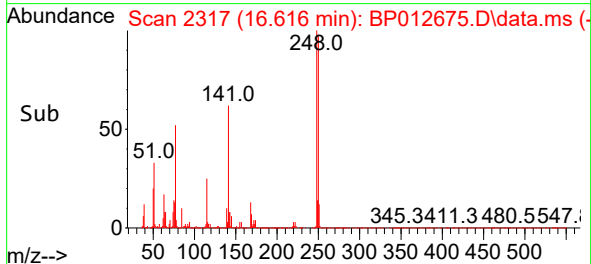
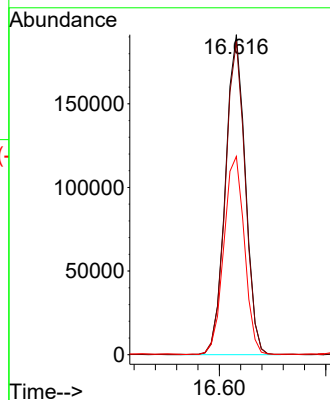
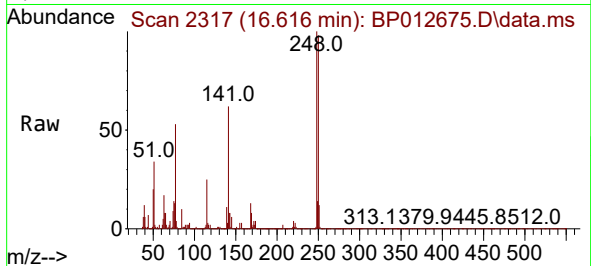




#67
4-Bromophenyl-phenylether
Concen: 9.072 ng
RT: 16.616 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

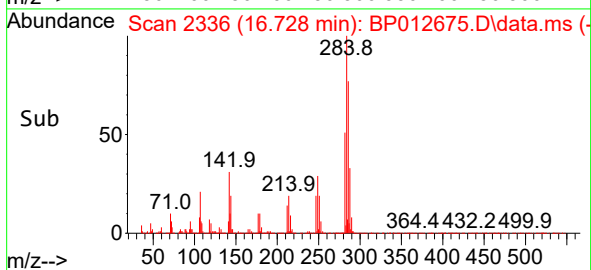
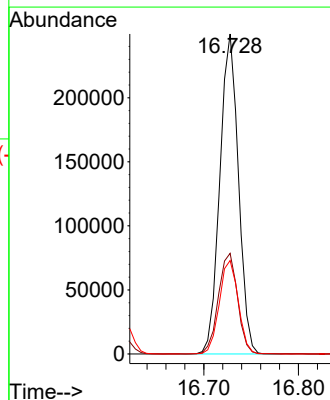
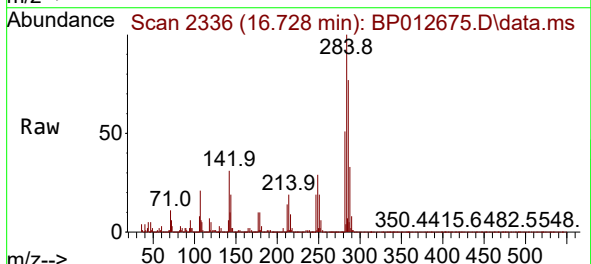
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

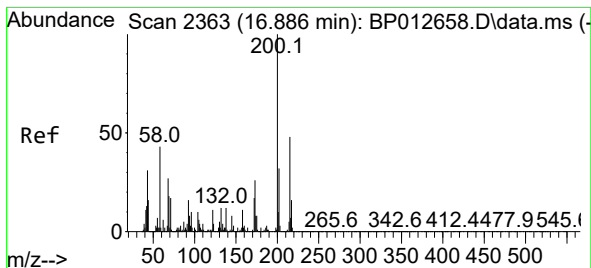
Tgt Ion:248 Resp: 247384
Ion Ratio Lower Upper
248 100
250 97.9 77.4 116.2
141 61.9 55.6 83.4



#68
Hexachlorobenzene
Concen: 10.755 ng
RT: 16.728 min Scan# 2336
Delta R.T. -0.006 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:284 Resp: 340142
Ion Ratio Lower Upper
284 100
142 31.5 25.8 38.6
249 29.2 25.0 37.4





#69

Atrazine

Concen: 9.369 ng

RT: 16.881 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

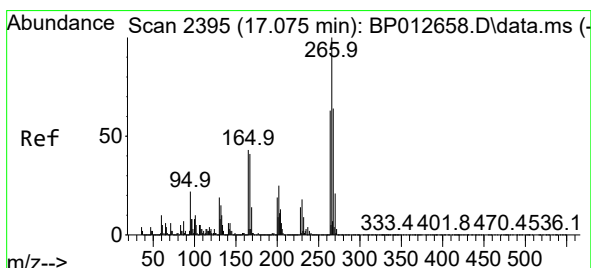
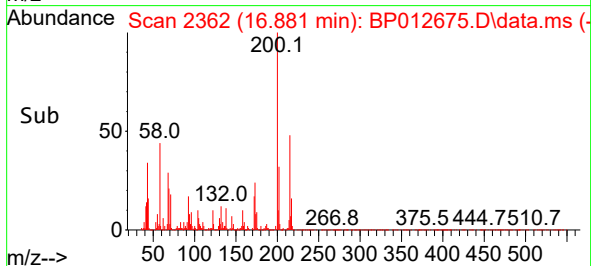
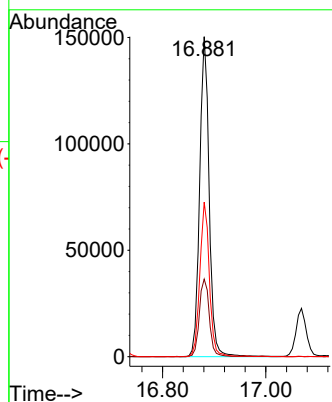
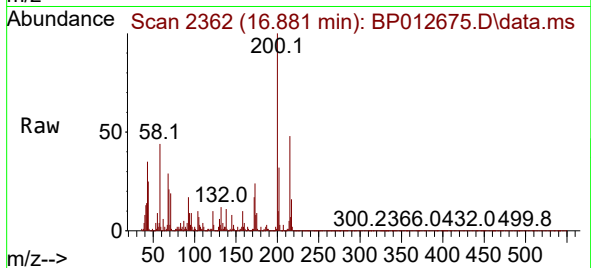
Tgt Ion:200 Resp: 191867

Ion Ratio Lower Upper

200 100

173 24.3 6.2 46.2

215 48.3 28.4 68.4



#70

Pentachlorophenol

Concen: 8.354 ng

RT: 17.069 min Scan# 2394

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

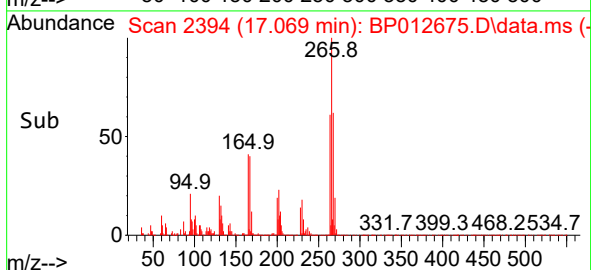
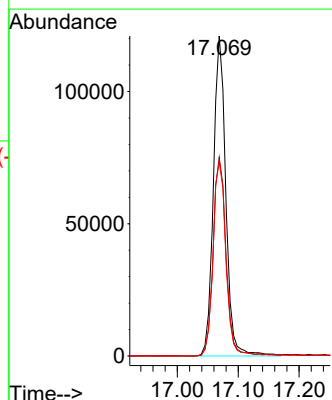
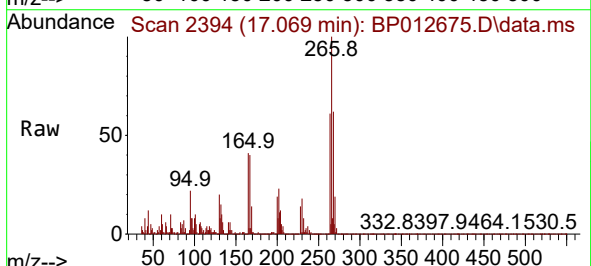
Tgt Ion:266 Resp: 171480

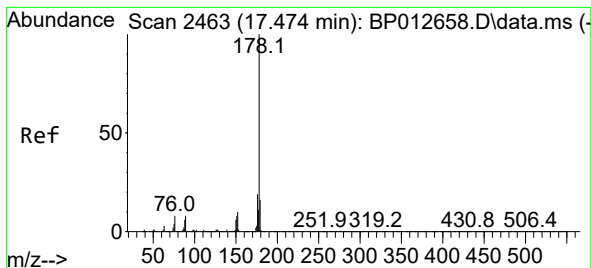
Ion Ratio Lower Upper

266 100

268 62.1 51.4 77.0

264 60.7 50.6 75.8





#71

Phenanthrene

Concen: 9.658 ng

RT: 17.469 min Scan# 2463

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

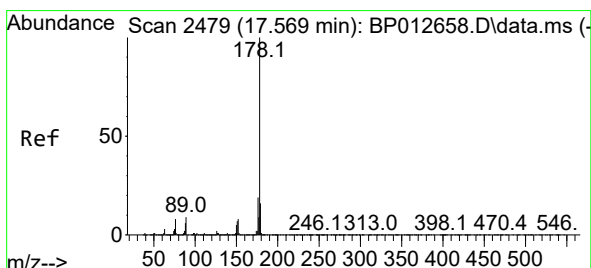
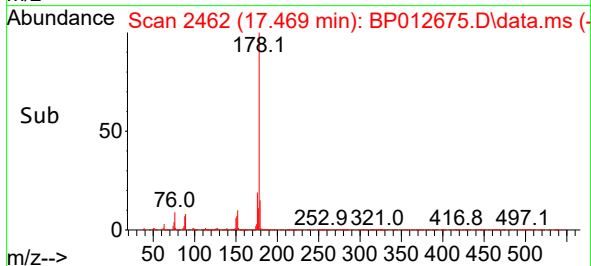
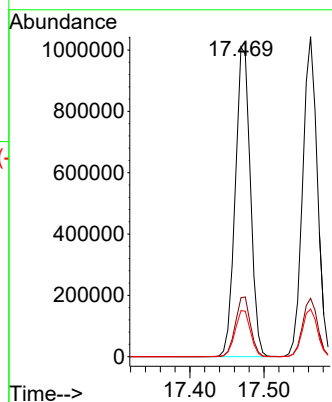
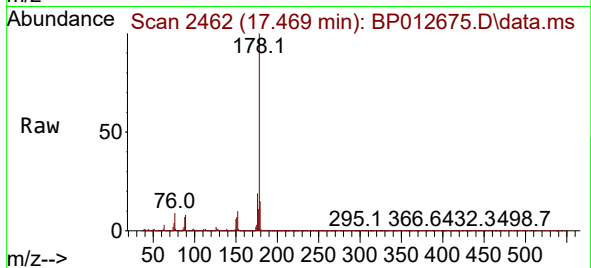
Tgt Ion:178 Resp: 1428693

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 14.9 12.5 18.7



#72

Anthracene

Concen: 10.055 ng

RT: 17.563 min Scan# 2478

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

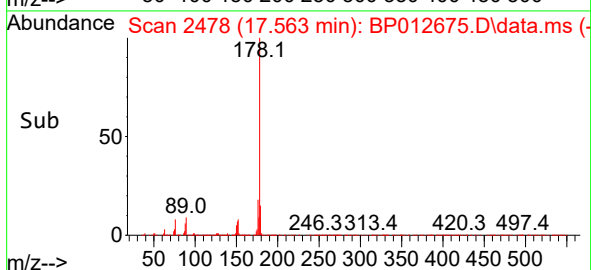
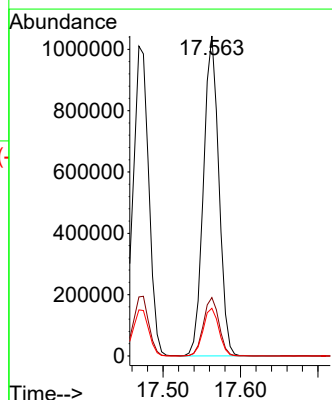
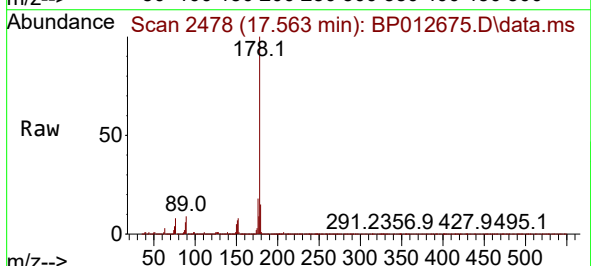
Tgt Ion:178 Resp: 1435157

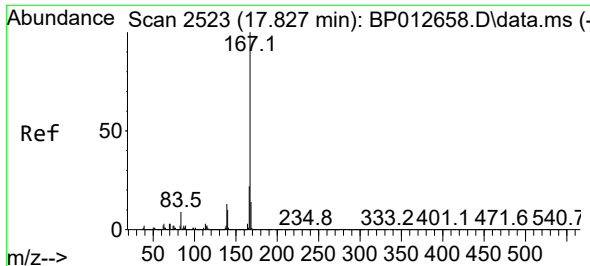
Ion Ratio Lower Upper

178 100

176 18.2 15.3 22.9

179 14.9 12.8 19.2

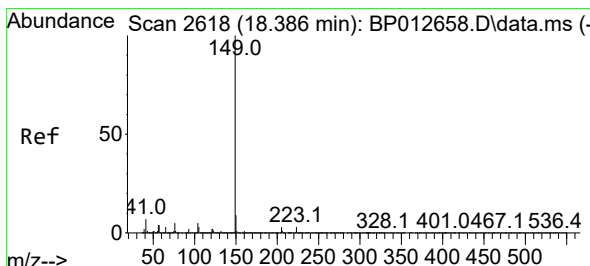
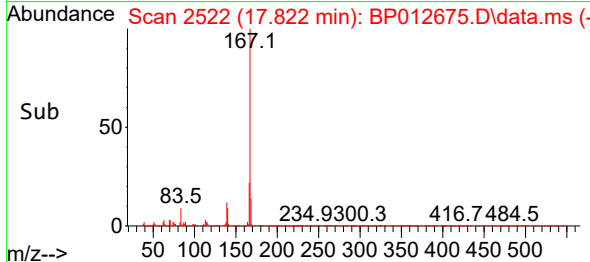
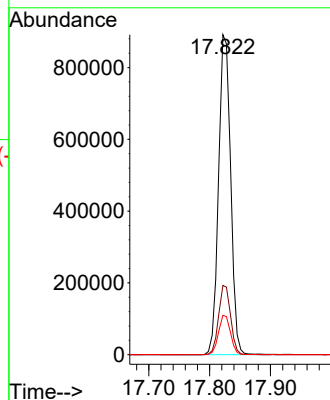
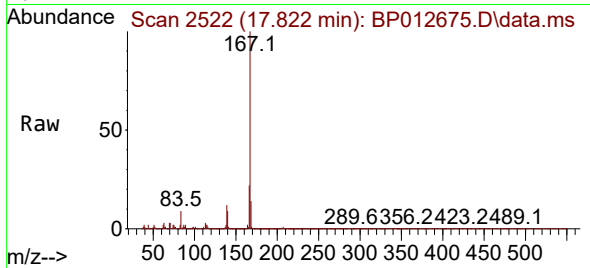




#73
 Carbazole
 Concen: 9.034 ng
 RT: 17.822 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP012675.D
 Acq: 18 Nov 2022 17:31

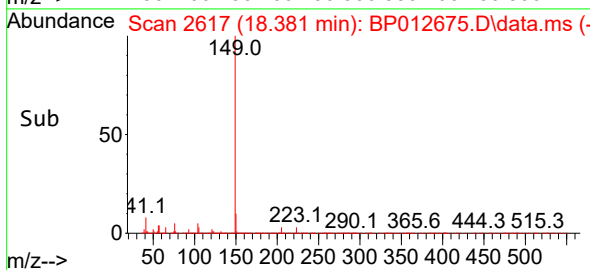
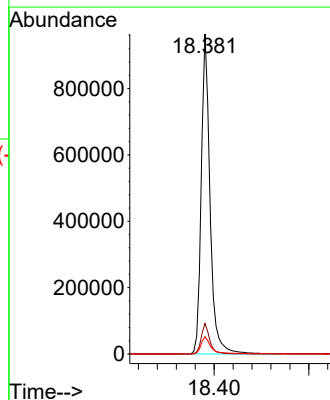
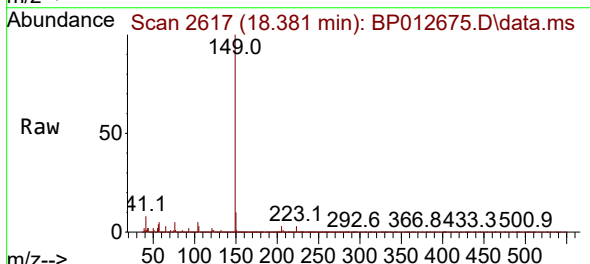
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

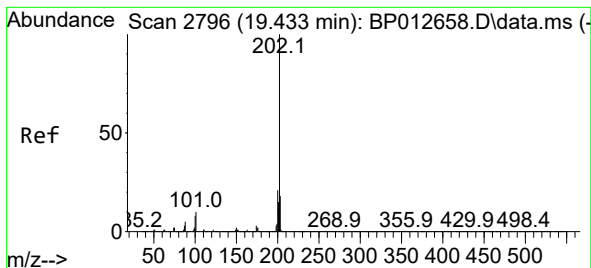
Tgt Ion:167 Resp: 1224583
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.2
 139 12.3 10.2 15.2



#74
 Di-n-butylphthalate
 Concen: 8.780 ng
 RT: 18.381 min Scan# 2617
 Delta R.T. -0.006 min
 Lab File: BP012675.D
 Acq: 18 Nov 2022 17:31

Tgt Ion:149 Resp: 1240811
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.5 11.3
 104 5.4 4.0 6.0





#75

Fluoranthene

Concen: 11.163 ng

RT: 19.428 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

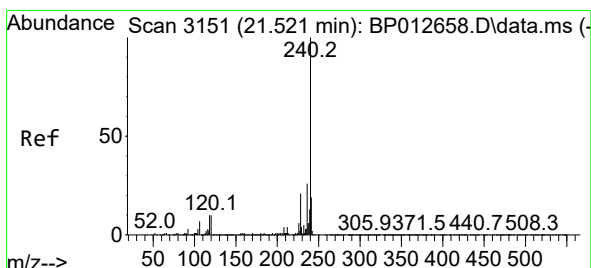
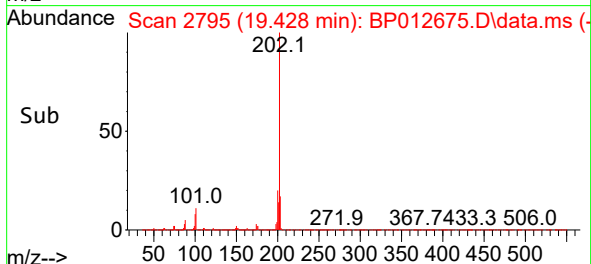
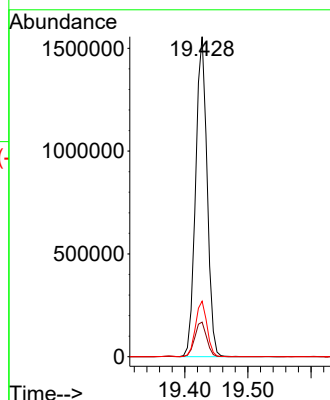
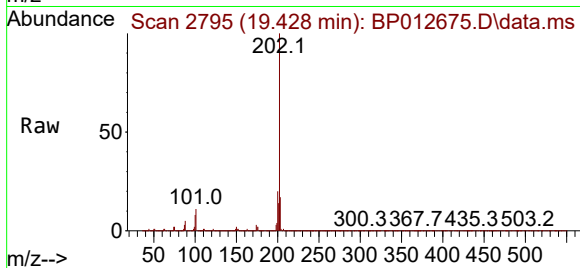
Tgt Ion:202 Resp: 1956481

Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.4

203 17.4 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.510 min Scan# 3149

Delta R.T. -0.011 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

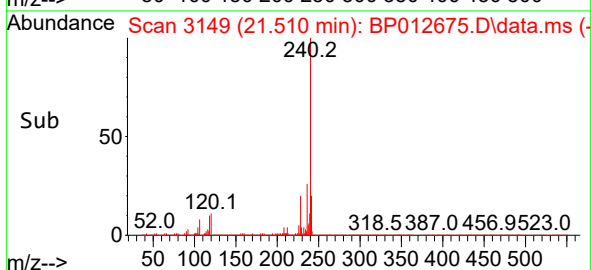
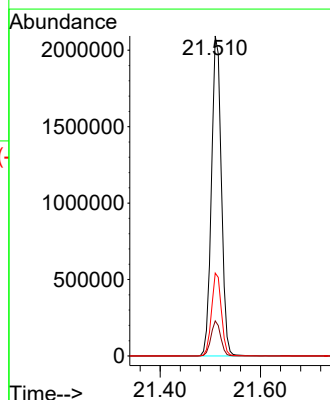
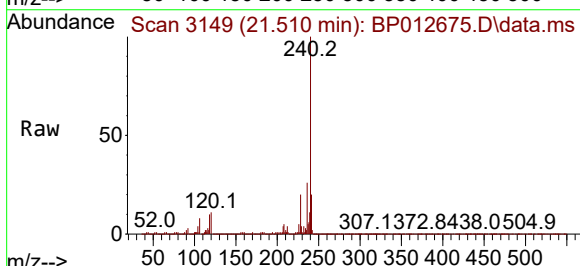
Tgt Ion:240 Resp: 2865553

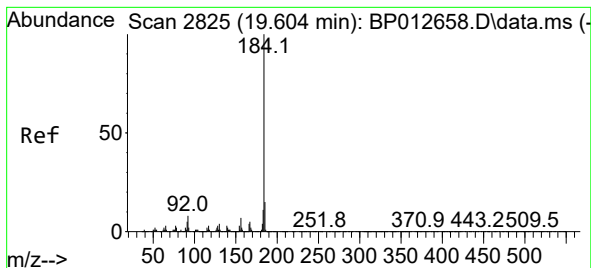
Ion Ratio Lower Upper

240 100

120 10.9 8.2 12.2

236 25.9 20.4 30.6





#77

Benzidine

Concen: 6.370 ng

RT: 19.604 min Scan# 2825

Delta R.T. 0.000 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

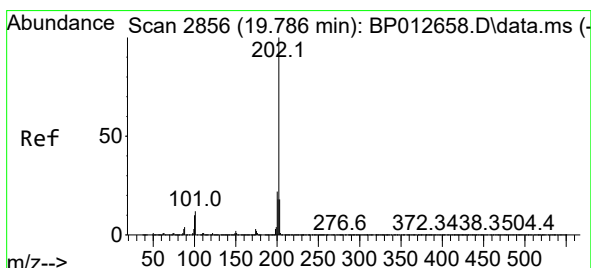
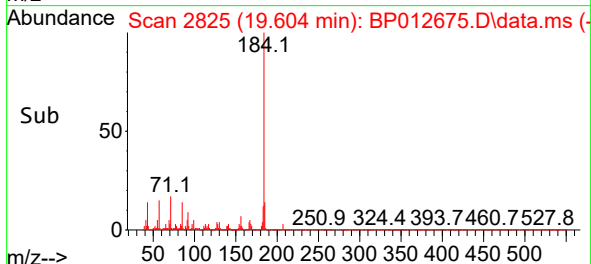
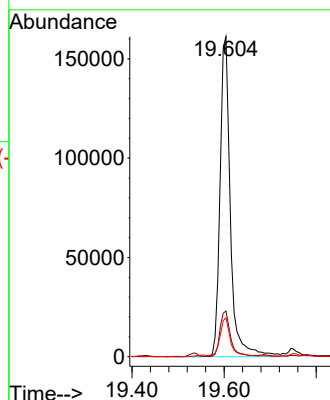
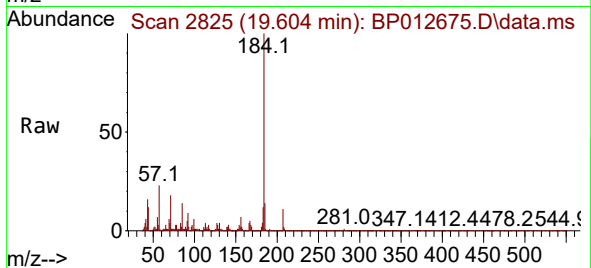
Tgt Ion:184 Resp: 250954

Ion Ratio Lower Upper

184 100

185 14.3 12.2 18.2

183 12.2 9.0 13.4



#78

Pyrene

Concen: 10.301 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

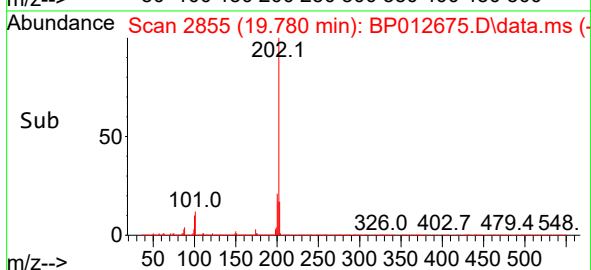
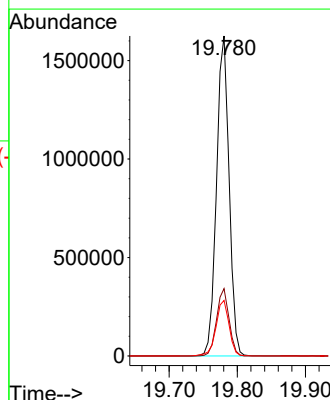
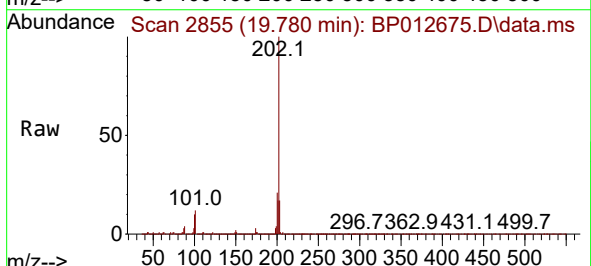
Tgt Ion:202 Resp: 2086038

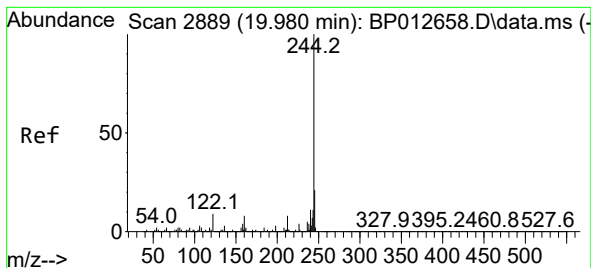
Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.0

203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 51.490 ng

RT: 19.975 min Scan# 2888

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

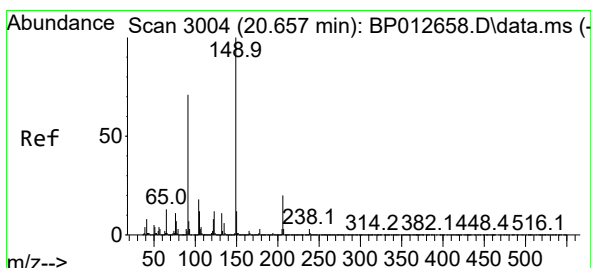
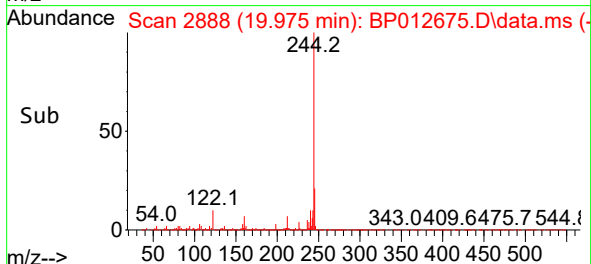
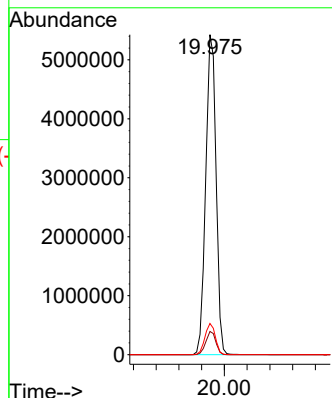
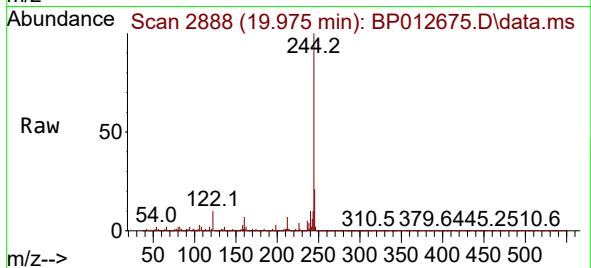
Tgt Ion:244 Resp: 6828842

Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

122 9.8 7.5 11.3



#80

Butylbenzylphthalate

Concen: 5.318 ng

RT: 20.651 min Scan# 3003

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

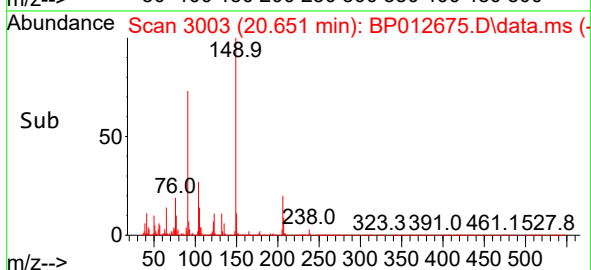
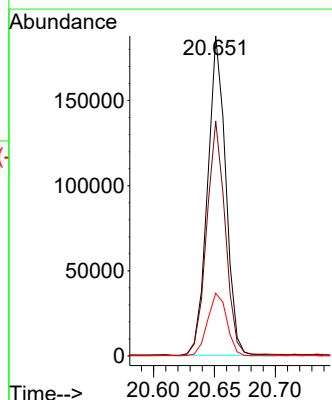
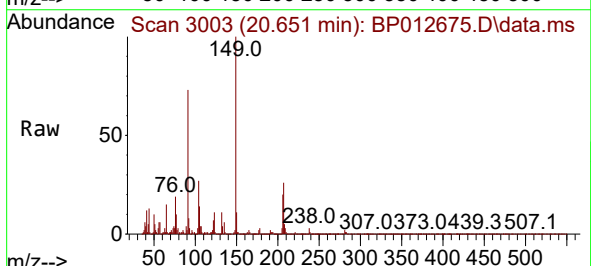
Tgt Ion:149 Resp: 194384

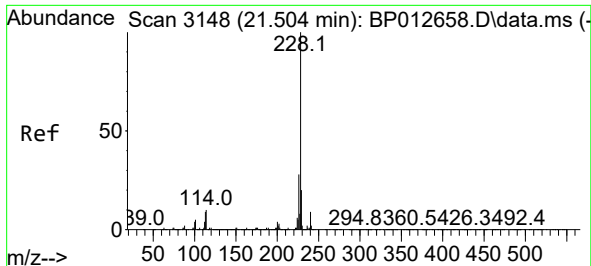
Ion Ratio Lower Upper

149 100

91 73.4 56.9 85.3

206 19.6 16.1 24.1

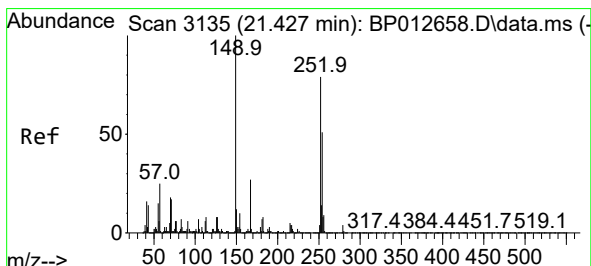
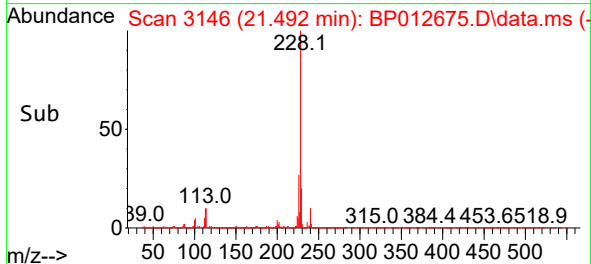
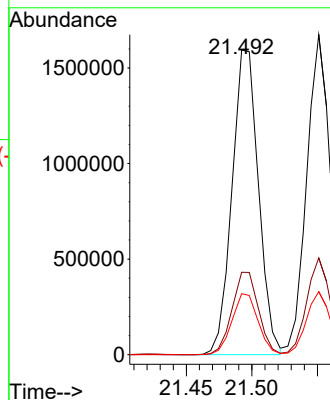
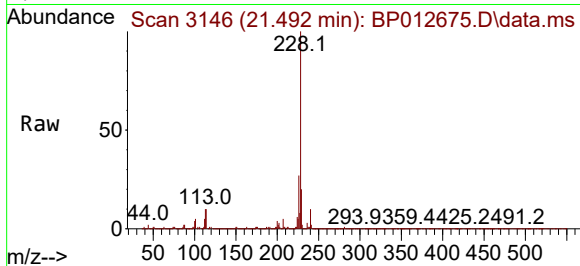




#81
Benzo(a)anthracene
Concen: 11.150 ng
RT: 21.492 min Scan# 3146
Delta R.T. -0.012 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

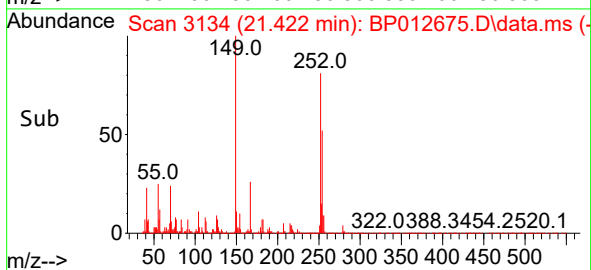
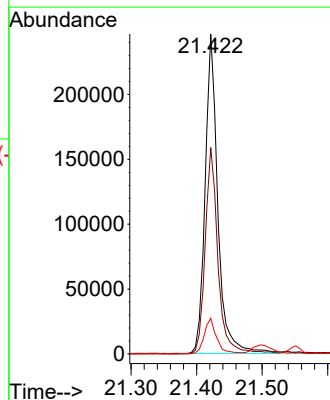
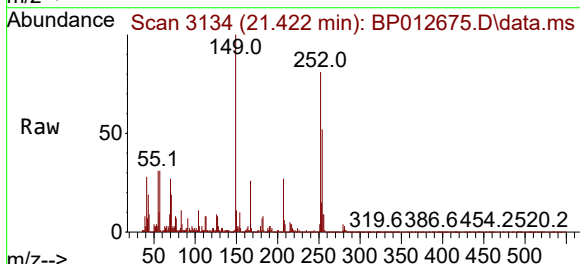
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

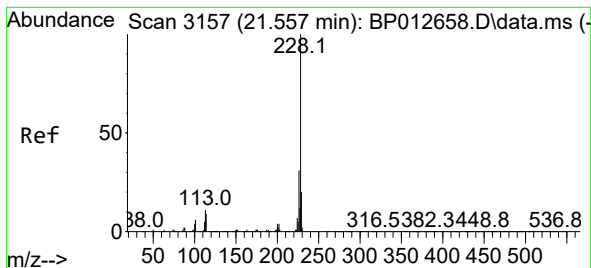
Tgt Ion:228 Resp: 2240034
Ion Ratio Lower Upper
228 100
226 27.1 22.2 33.2
229 20.0 16.2 24.2



#82
3,3'-Dichlorobenzidine
Concen: 6.588 ng
RT: 21.422 min Scan# 3134
Delta R.T. -0.005 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:252 Resp: 333113
Ion Ratio Lower Upper
252 100
254 64.5 51.9 77.9
126 11.1 8.2 12.4





#83

Chrysene

Concen: 11.177 ng

RT: 21.551 min Scan# 3157

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

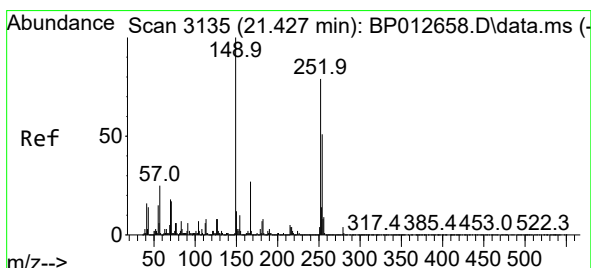
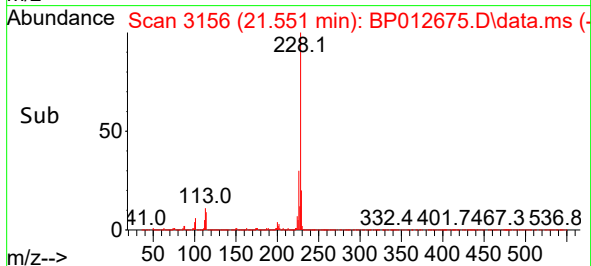
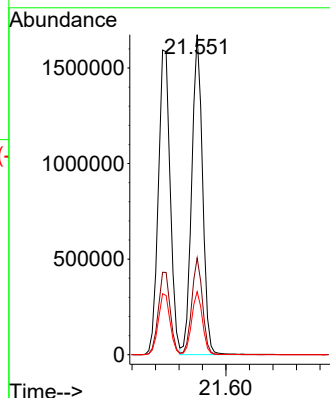
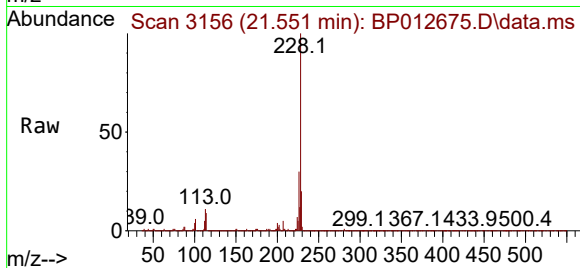
Tgt Ion:228 Resp: 2129178

Ion Ratio Lower Upper

228 100

226 30.3 24.6 36.8

229 19.7 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.517 ng

RT: 21.422 min Scan# 3134

Delta R.T. -0.005 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

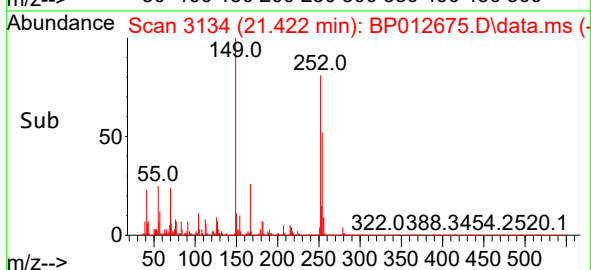
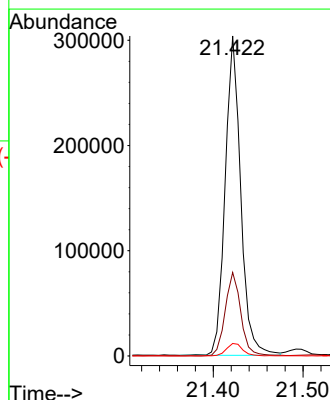
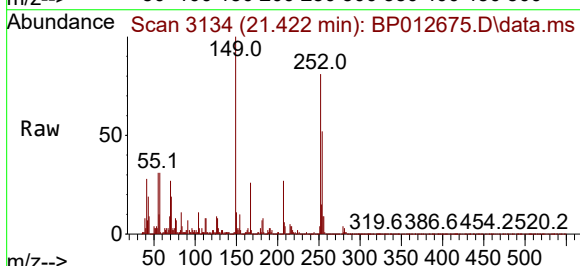
Tgt Ion:149 Resp: 365451

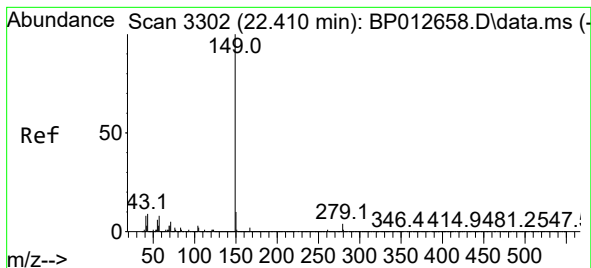
Ion Ratio Lower Upper

149 100

167 26.1 21.7 32.5

279 3.9 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 5.008 ng

RT: 22.398 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

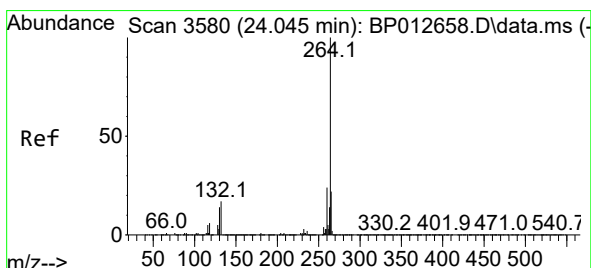
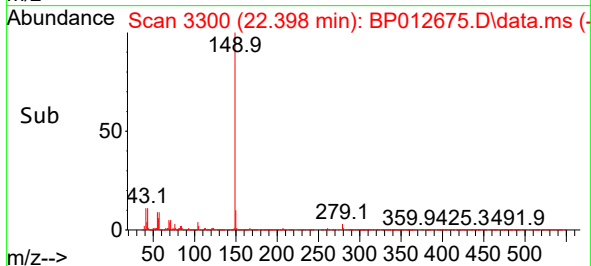
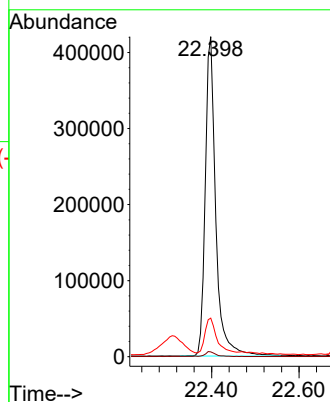
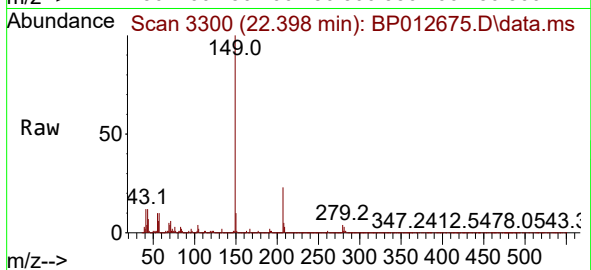
Tgt Ion:149 Resp: 701719

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 11.8 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.039 min Scan# 3579

Delta R.T. -0.006 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

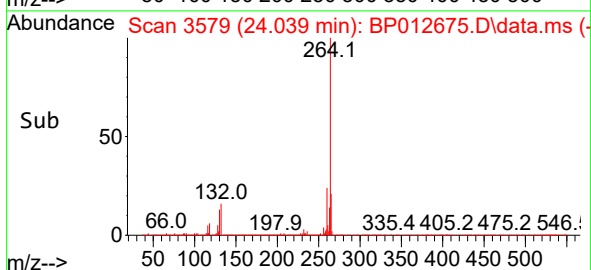
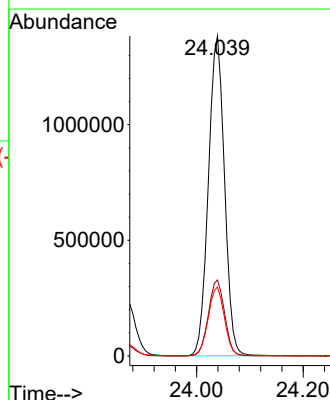
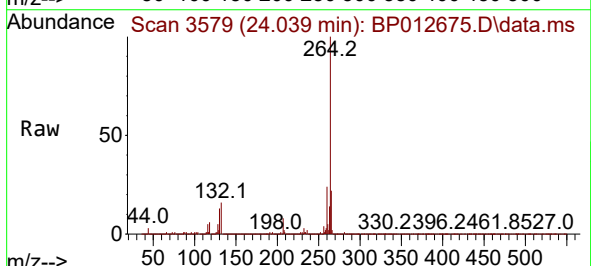
Tgt Ion:264 Resp: 2905038

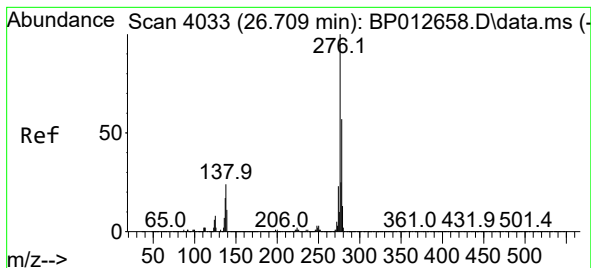
Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 21.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.165 ng

RT: 26.686 min Scan# 4033

Delta R.T. -0.023 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

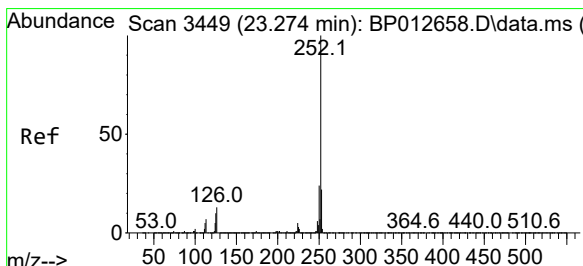
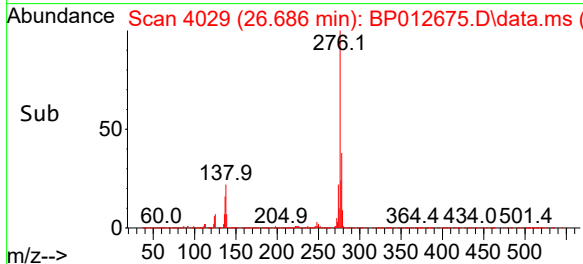
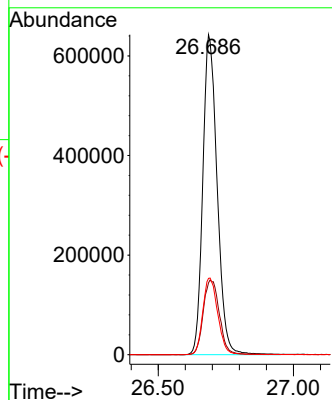
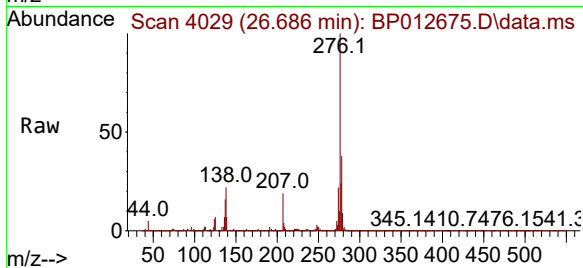
Tgt Ion:276 Resp: 2361263

Ion Ratio Lower Upper

276 100

138 26.2 20.8 31.2

277 25.0 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 11.391 ng

RT: 23.263 min Scan# 3447

Delta R.T. -0.012 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

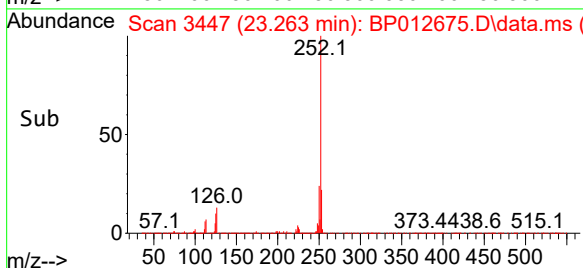
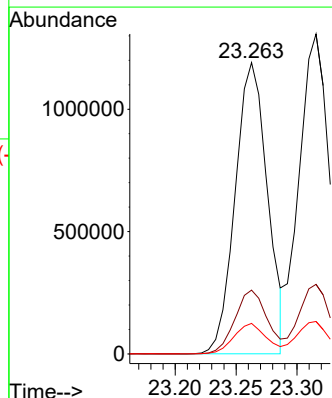
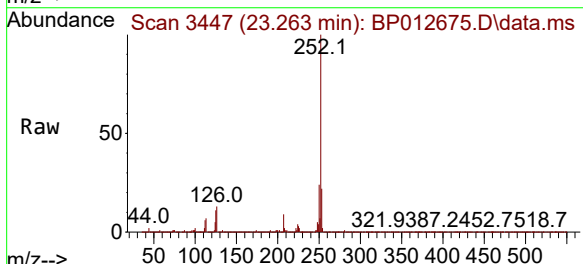
Tgt Ion:252 Resp: 2190755

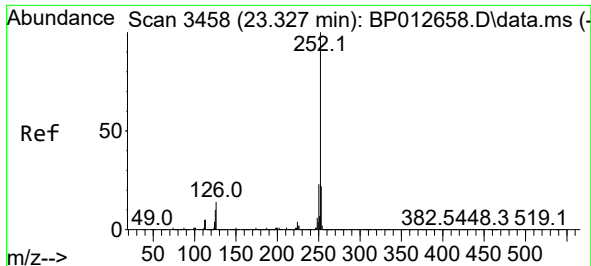
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 10.5 7.9 11.9

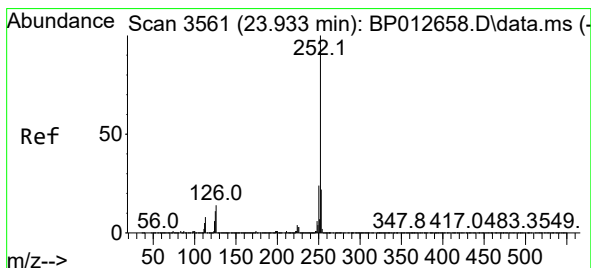
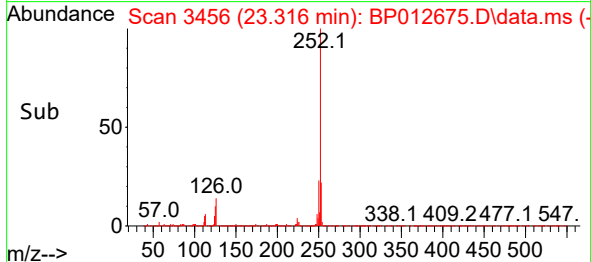
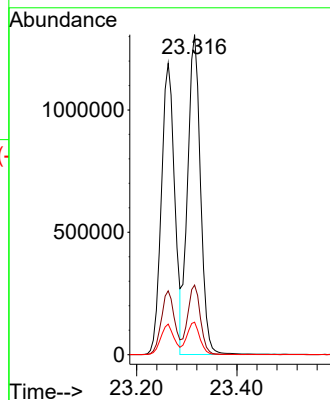
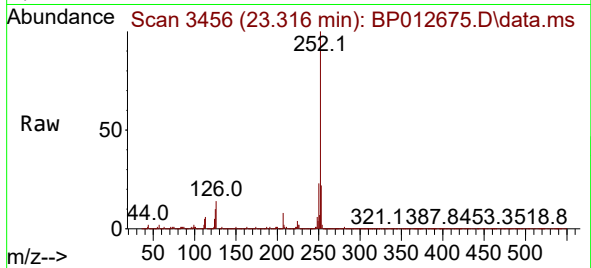




#89
Benzo(k)fluoranthene
Concen: 12.178 ng
RT: 23.316 min Scan# 34
Delta R.T. -0.012 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

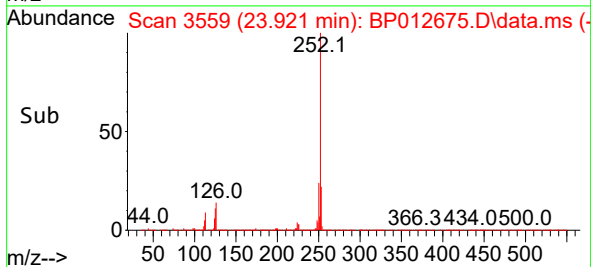
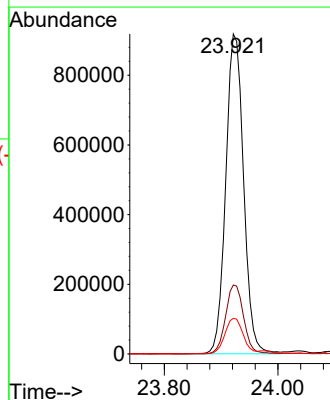
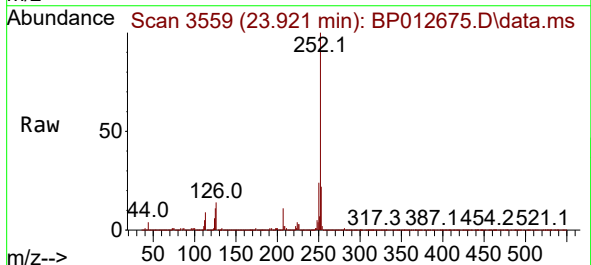
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

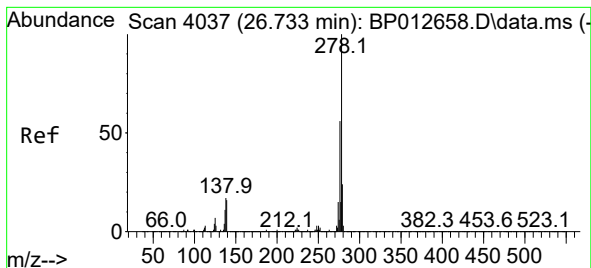
Tgt Ion:252 Resp: 2327225
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 10.2 7.9 11.9



#90
Benzo(a)pyrene
Concen: 12.554 ng
RT: 23.921 min Scan# 3559
Delta R.T. -0.012 min
Lab File: BP012675.D
Acq: 18 Nov 2022 17:31

Tgt Ion:252 Resp: 2003683
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 11.1 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 11.999 ng

RT: 26.715 min Scan# 4034

Delta R.T. -0.017 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

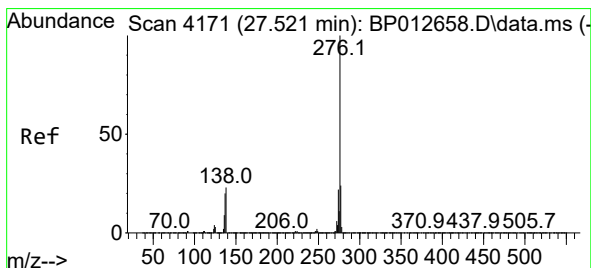
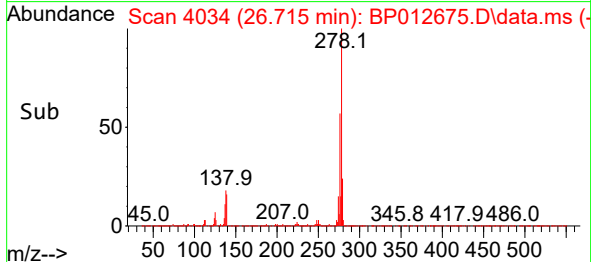
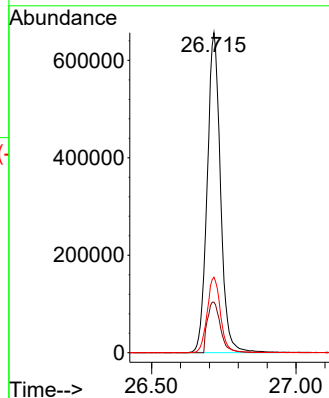
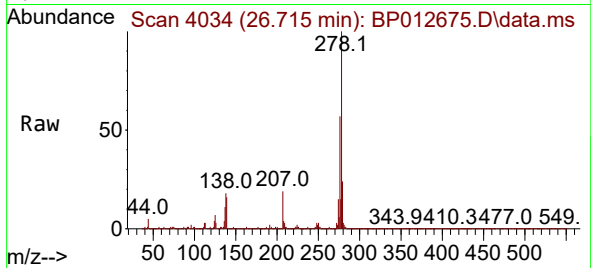
Tgt Ion:278 Resp: 2098414

Ion Ratio Lower Upper

278 100

139 15.8 13.0 19.4

279 23.6 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 11.277 ng

RT: 27.504 min Scan# 4168

Delta R.T. -0.017 min

Lab File: BP012675.D

Acq: 18 Nov 2022 17:31

Tgt Ion:276 Resp: 1915576

Ion Ratio Lower Upper

276 100

277 23.9 19.4 29.2

138 22.4 18.1 27.1

