

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091522\
 Data File : BP011710.D
 Acq On : 15 Sep 2022 15:45
 Operator : CG/JU
 Sample : N3980-02
 Misc : LOQ--SOIL-5NG
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Sep 15 16:10:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 16:01:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	344308	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	1353430	20.000	ng	0.00
39) Acenaphthene-d10	14.586	164	752607	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	1462848	20.000	ng	# 0.00
76) Chrysene-d12	21.421	240	1297031	20.000	ng	# 0.00
86) Perylene-d12	23.880	264	1242551	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	2251914	119.049	ng	0.00
7) Phenol-d6	7.099	99	2909874	115.402	ng	0.00
23) Nitrobenzene-d5	9.110	82	1949851	85.442	ng	0.00
42) 2,4,6-Tribromophenol	16.075	330	696959	118.522	ng	0.00
45) 2-Fluorobiphenyl	13.210	172	4320510	89.236	ng	0.00
79) Terphenyl-d14	19.892	244	5439131	91.192	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.381	88	52367	6.286	ng	# 81
3) Pyridine	3.799	79	108594	4.522	ng	# 82
4) n-Nitrosodimethylamine	3.699	42	50408	5.475	ng	# 48
6) Aniline	7.269	93	186205	5.995	ng	89
8) 2-Chlorophenol	7.505	128	128803	5.743	ng	94
9) Benzaldehyde	7.081	77	113330	7.022	ng	91
10) Phenol	7.128	94	162868	5.743	ng	84
11) bis(2-Chloroethyl)ether	7.363	93	129414	5.728	ng	94
12) 1,3-Dichlorobenzene	7.834	146	145128	5.835	ng	# 94
13) 1,4-Dichlorobenzene	7.981	146	148110	5.855	ng	95
14) 1,2-Dichlorobenzene	8.299	146	142477	5.908	ng	95
15) Benzyl Alcohol	8.187	79	94354	5.242	ng	# 87
16) 2,2'-oxybis(1-Chloropr...	8.475	45	181190	6.004	ng	92
17) 2-Methylphenol	8.387	107	94676	5.142	ng	# 92
18) Hexachloroethane	9.028	117	48758	5.573	ng	93
19) n-Nitroso-di-n-propyla...	8.757	70	83828	5.135	ng	# 85
20) 3+4-Methylphenols	8.710	107	121834	4.818	ng	94
22) Acetophenone	8.775	105	183731	5.791	ng	# 87
24) Nitrobenzene	9.151	77	142851	6.016	ng	91
25) Isophorone	9.681	82	209427	5.188	ng	96
26) 2-Nitrophenol	9.869	139	39369	4.042	ng	# 84
27) 2,4-Dimethylphenol	9.922	122	98070	5.811	ng	91
28) bis(2-Chloroethoxy)met...	10.163	93	161357	6.251	ng	99
29) 2,4-Dichlorophenol	10.398	162	88901	4.755	ng	95
30) 1,2,4-Trichlorobenzene	10.616	180	116746	5.640	ng	97
31) Naphthalene	10.804	128	402476	5.730	ng	100
32) Benzoic acid	9.981	122	20605	1.631	ng	# 79
33) 4-Chloroaniline	10.916	127	149133	5.412	ng	# 93
34) Hexachlorobutadiene	11.093	225	64508	5.657	ng	94
35) Caprolactam	11.687	113	21017	3.469	ng	# 80
36) 4-Chloro-3-methylphenol	12.034	107	94546	4.702	ng	95
37) 2-Methylnaphthalene	12.416	142	259213	5.515	ng	95
38) 1-Methylnaphthalene	12.634	142	247945	5.395	ng	97
40) 1,2,4,5-Tetrachloroben...	12.781	216	119405	6.011	ng	98
41) Hexachlorocyclopentadiene	12.763	237	62488	6.303	ng	100
43) 2,4,6-Trichlorophenol	13.016	196	60437	4.473	ng	98

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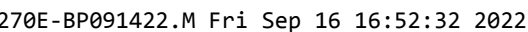
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT3-2022

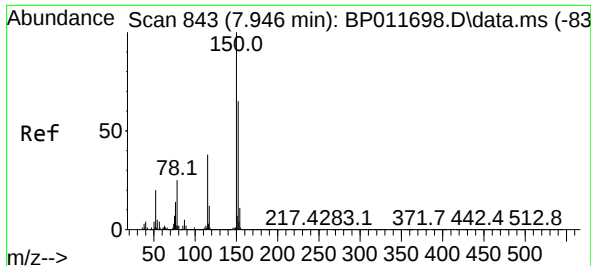
Quant Time: Sep 15 16:10:44 2022
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 16:01:44 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.087	196	71768	4.751	ng	98
46) 1,1'-Biphenyl	13.422	154	346902	6.336	ng	100
47) 2-Chloronaphthalene	13.463	162	251260	5.833	ng	99
48) 2-Nitroaniline	13.663	65	50881	4.212	ng	98
49) Acenaphthylene	14.304	152	345463	5.183	ng	100
50) Dimethylphthalate	14.039	163	284753	5.423	ng	99
51) 2,6-Dinitrotoluene	14.157	165	47337	4.446	ng	93
52) Acenaphthene	14.645	154	243021	5.481	ng	96
53) 3-Nitroaniline	14.486	138	47190	3.844	ng	98
54) 2,4-Dinitrophenol	14.692	184	14207	2.739	ng	97
55) Dibenzofuran	14.986	168	377752	5.916	ng	97
56) 4-Nitrophenol	14.786	139	32178	3.110	ng	# 75
57) 2,4-Dinitrotoluene	14.939	165	51187	3.712	ng	97
58) Fluorene	15.634	166	288532	5.572	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.210	232	52454	4.227	ng	90
60) Diethylphthalate	15.404	149	273247	5.227	ng	98
61) 4-Chlorophenyl-phenyle...	15.628	204	139179	5.814	ng	98
62) 4-Nitroaniline	15.645	138	44535	3.609	ng	# 83
63) Azobenzene	15.922	77	243588	4.849	ng	91
65) 4,6-Dinitro-2-methylph...	15.704	198	20991	2.934	ng	89
66) n-Nitrosodiphenylamine	15.845	169	235650	5.414	ng	98
67) 4-Bromophenyl-phenylether	16.528	248	73681	5.381	ng	95
68) Hexachlorobenzene	16.639	284	81998	5.560	ng	94
69) Atrazine	16.798	200	66532	5.008	ng	97
70) Pentachlorophenol	16.986	266	35702	3.816	ng	94
71) Phenanthrene	17.380	178	448847	5.639	ng	99
72) Anthracene	17.475	178	402039	5.340	ng	99
73) Carbazole	17.745	167	373959	5.265	ng	100
74) Di-n-butylphthalate	18.292	149	379769	4.436	ng	99
75) Fluoranthene	19.345	202	446980	5.207	ng	98
77) Benzidine	19.522	184	162827	5.279	ng	97
78) Pyrene	19.698	202	466720	5.335	ng	99
80) Butylbenzylphthalate	20.569	149	144651	3.946	ng	94
81) Benzo(a)anthracene	21.404	228	451645	5.402	ng	98
82) 3,3'-Dichlorobenzidine	21.339	252	135081	5.320	ng	# 96
83) Chrysene	21.457	228	441560	5.528	ng	99
84) Bis(2-ethylhexyl)phtha...	21.327	149	207599	3.937	ng	# 97
85) Di-n-octyl phthalate	22.274	149	320975	3.547	ng	95
87) Indeno(1,2,3-cd)pyrene	26.445	276	452800	5.058	ng	# 89
88) Benzo(b)fluoranthene	23.127	252	438119	5.701	ng	# 97
89) Benzo(k)fluoranthene	23.174	252	416109	5.373	ng	# 96
90) Benzo(a)pyrene	23.768	252	342943	5.402	ng	# 96
91) Dibenzo(a,h)anthracene	26.468	278	404165	5.437	ng	# 94
92) Benzo(g,h,i)perylene	27.233	276	395337	5.455	ng	# 89

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

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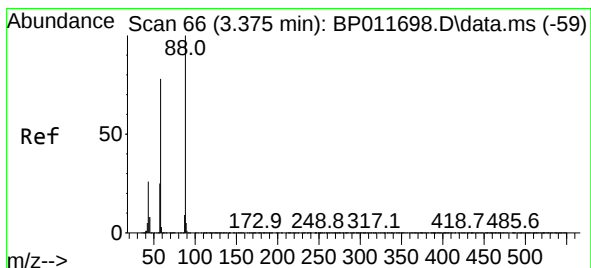
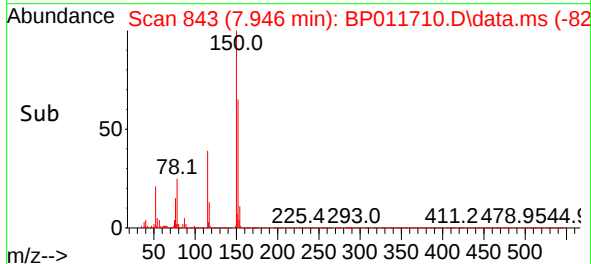
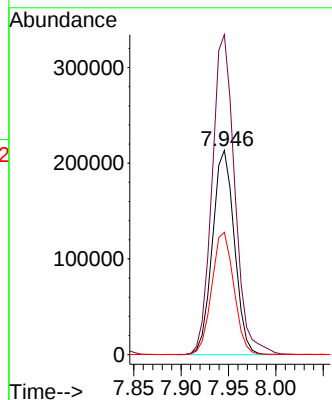
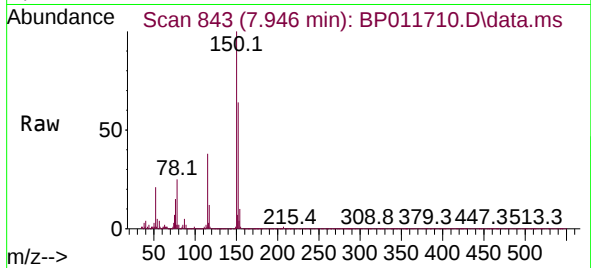




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.946 min Scan# 84
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

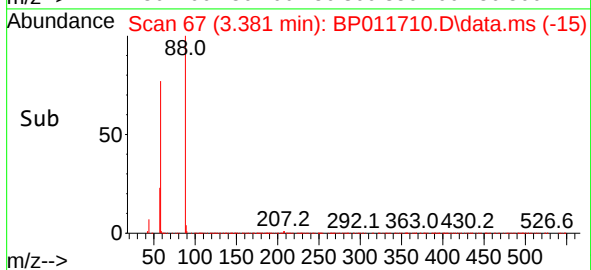
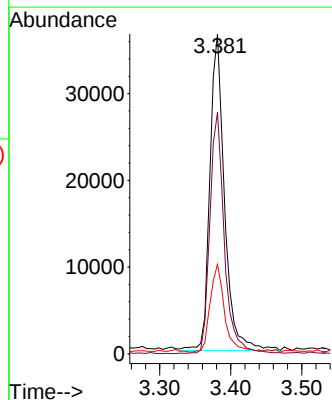
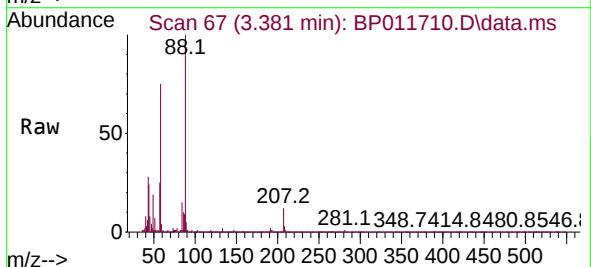
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

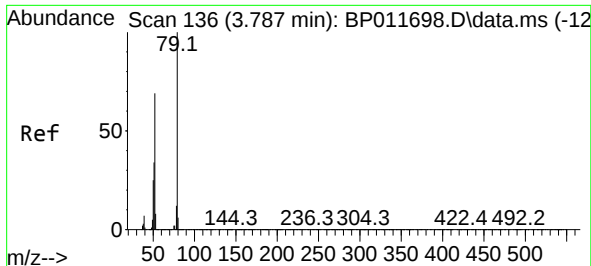
Tgt Ion:152 Resp: 344308
Ion Ratio Lower Upper
152 100
150 156.7 123.4 185.2
115 59.9 51.3 76.9



#2
1,4-Dioxane
Concen: 6.286 ng
RT: 3.381 min Scan# 67
Delta R.T. 0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion: 88 Resp: 52367
Ion Ratio Lower Upper
88 100
58 75.0 74.5 111.7
43 27.0 31.5 47.3





#3

Pyridine

Concen: 4.522 ng

RT: 3.799 min Scan# 11

Delta R.T. 0.012 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

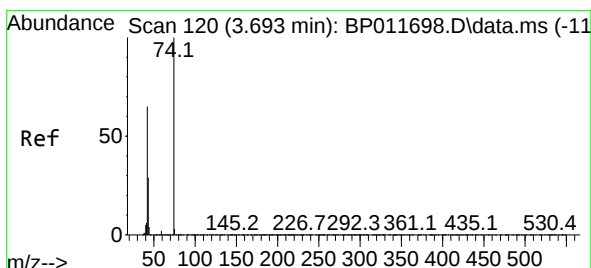
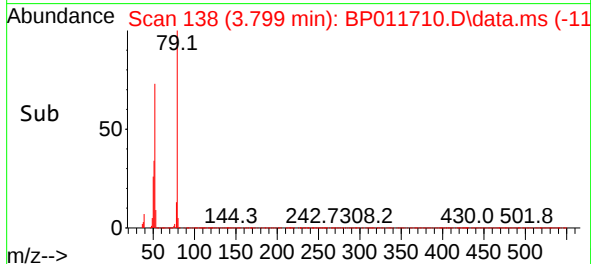
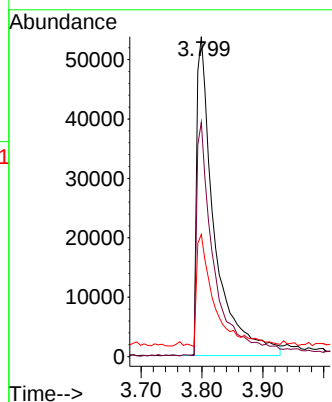
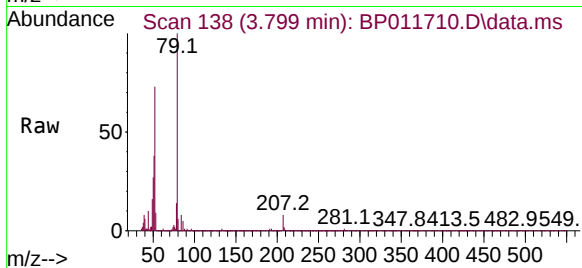
Tgt Ion: 79 Resp: 108594

Ion Ratio Lower Upper

79 100

52 73.2 73.5 110.3#

51 38.2 38.6 57.8#



#4

n-Nitrosodimethylamine

Concen: 5.475 ng

RT: 3.699 min Scan# 121

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

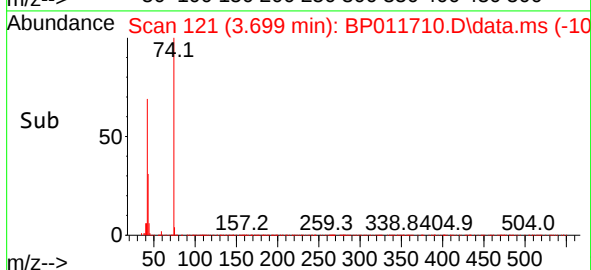
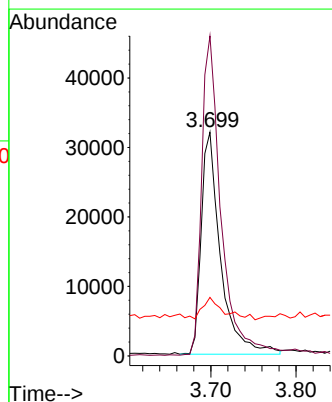
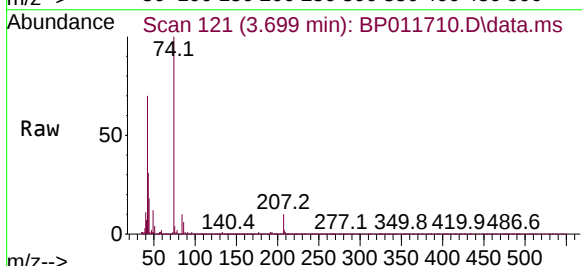
Tgt Ion: 42 Resp: 50408

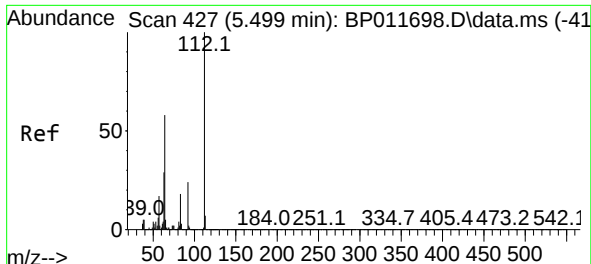
Ion Ratio Lower Upper

42 100

74 143.1 74.4 111.6#

44 26.1 5.7 8.5#

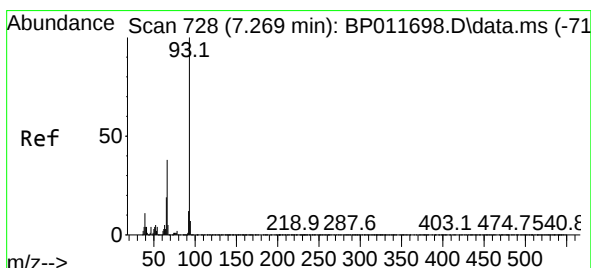
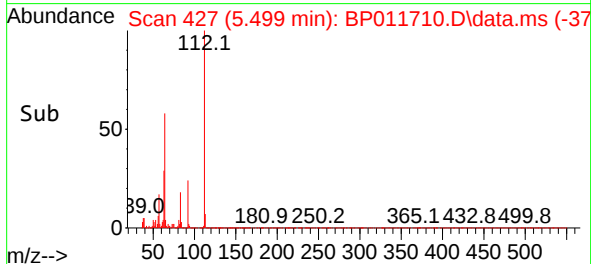
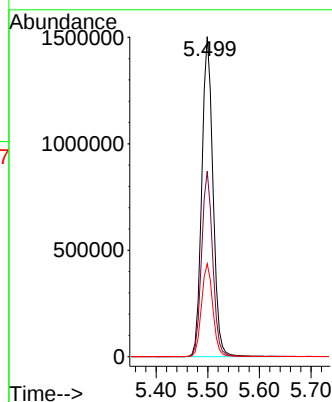
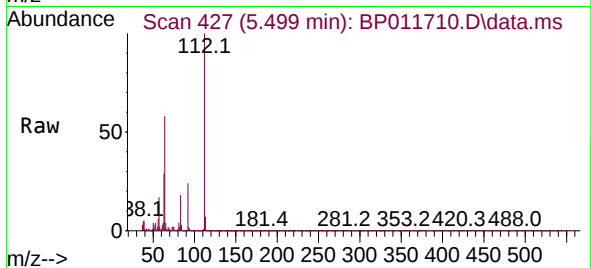




#5
2-Fluorophenol
Concen: 119.049 ng
RT: 5.499 min Scan# 41
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

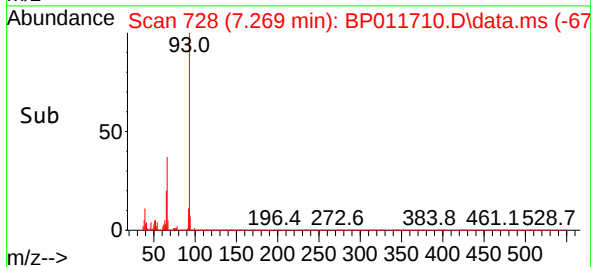
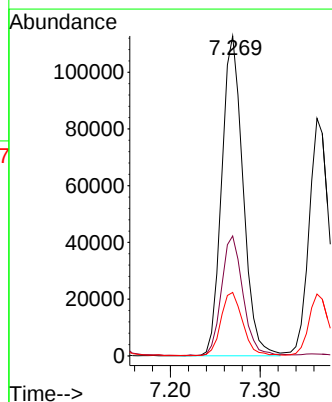
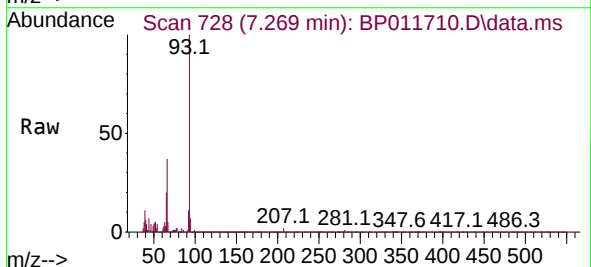
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

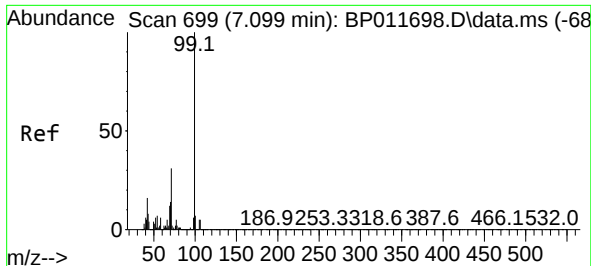
Tgt Ion:112 Resp: 2251914
Ion Ratio Lower Upper
112 100
64 57.9 56.9 85.3
63 29.0 31.2 46.8#



#6
Aniline
Concen: 5.995 ng
RT: 7.269 min Scan# 728
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion: 93 Resp: 186205
Ion Ratio Lower Upper
93 100
66 37.5 36.7 55.1
65 19.8 18.2 27.4

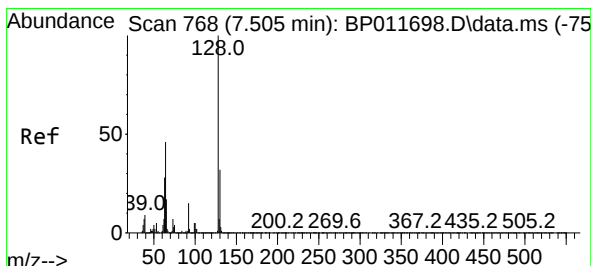
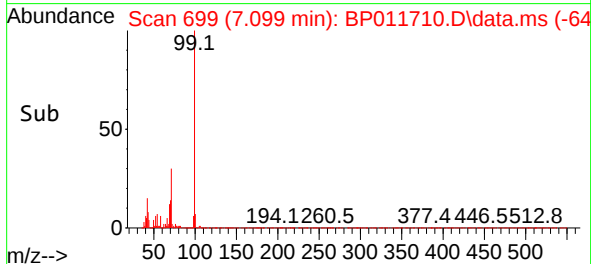
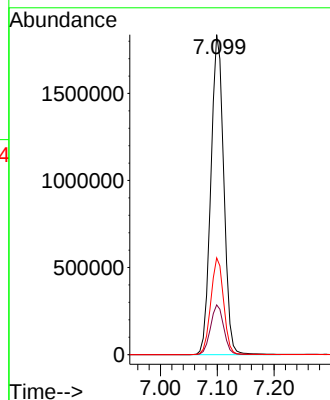
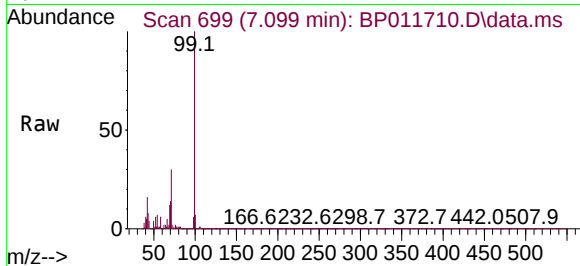




#7
Phenol-d6
Concen: 115.402 ng
RT: 7.099 min Scan# 699
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

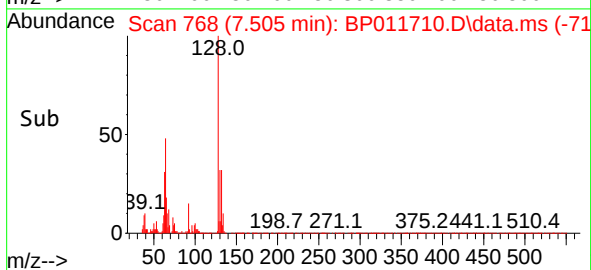
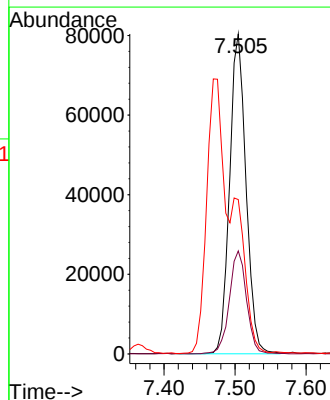
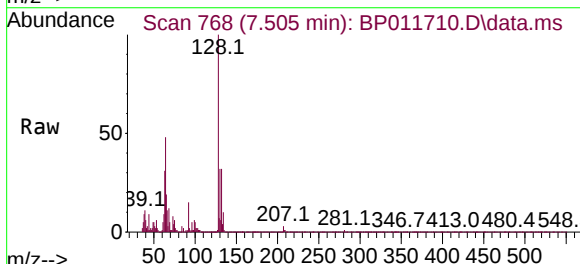
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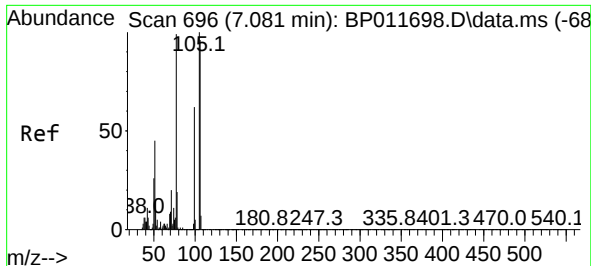
Tgt Ion: 99 Resp: 2909874
Ion Ratio Lower Upper
99 100
42 15.5 20.3 30.5#
71 30.2 33.9 50.9#



#8
2-Chlorophenol
Concen: 5.743 ng
RT: 7.505 min Scan# 768
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion: 128 Resp: 128803
Ion Ratio Lower Upper
128 100
130 32.2 11.8 51.8
64 48.2 35.3 75.3

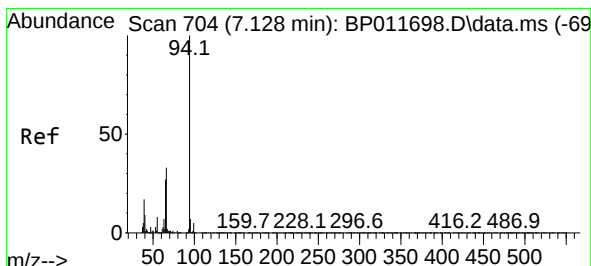
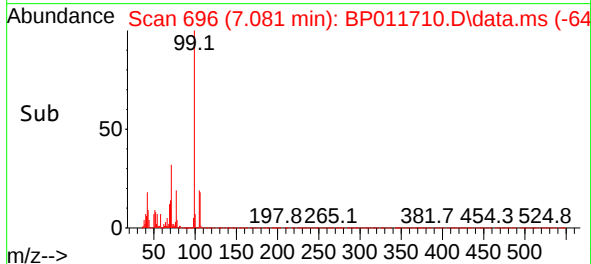
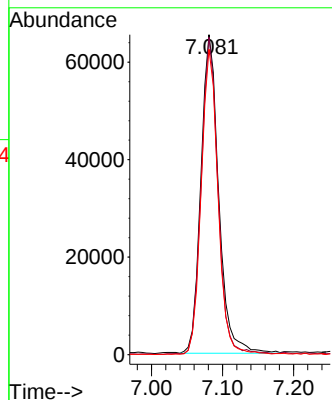
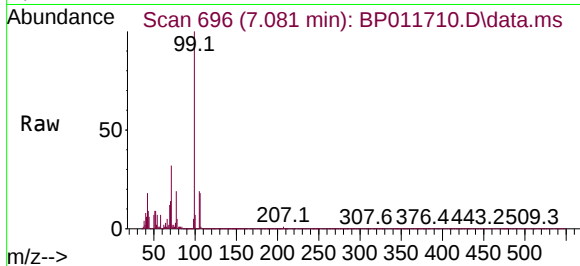




#9
Benzaldehyde
Concen: 7.022 ng
RT: 7.081 min Scan# 696
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

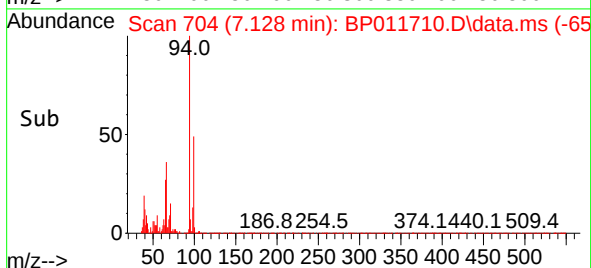
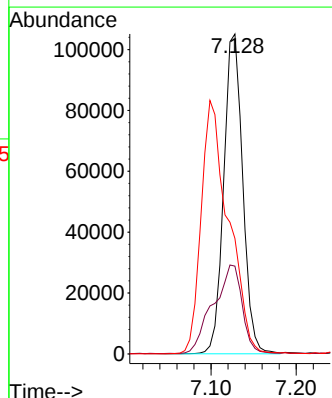
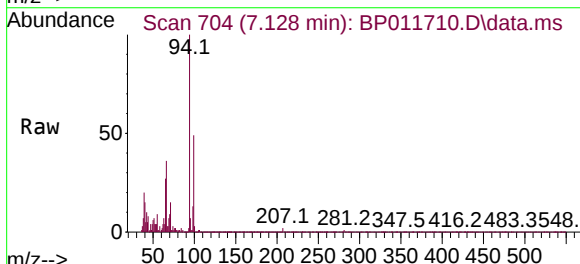
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2022

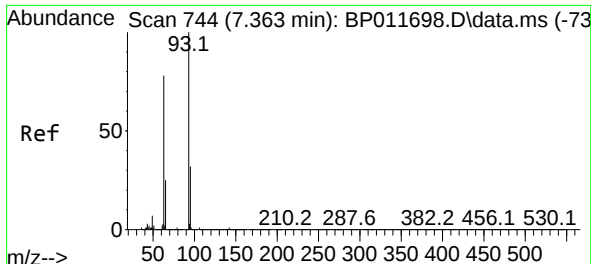
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Ion Ratio Lower Upper
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105 99.2 71.4 111.4
106 95.4 66.9 106.9



#10
Phenol
Concen: 5.743 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion: 94 Resp: 162868
Ion Ratio Lower Upper
94 100
65 27.4 14.0 54.0
66 36.1 29.2 69.2

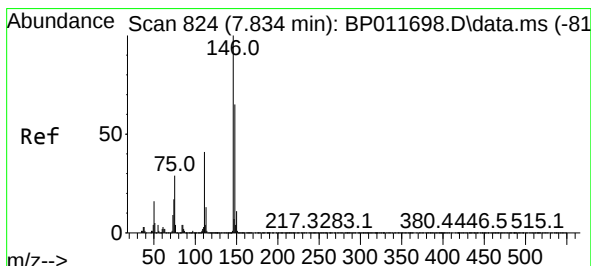
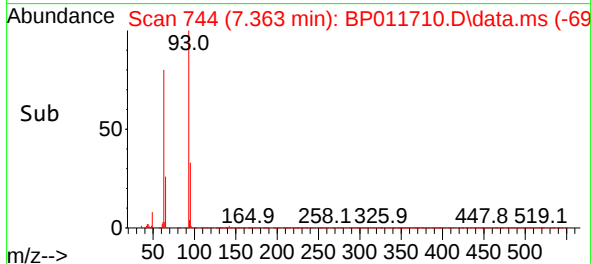
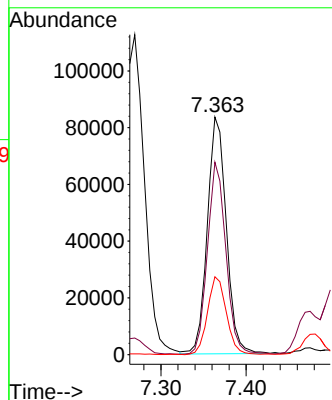
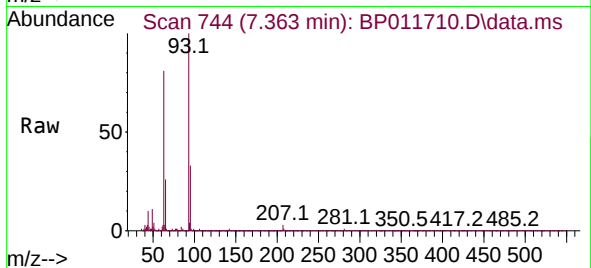




#11
bis(2-Chloroethyl)ether
Concen: 5.728 ng
RT: 7.363 min Scan# 744
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

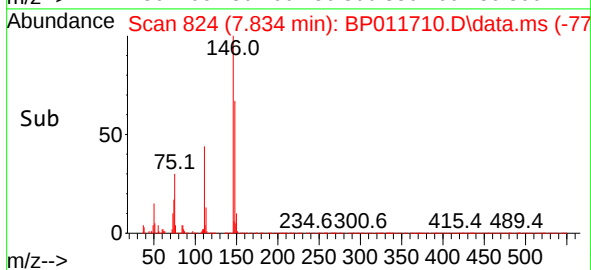
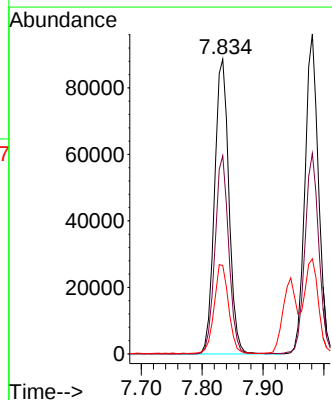
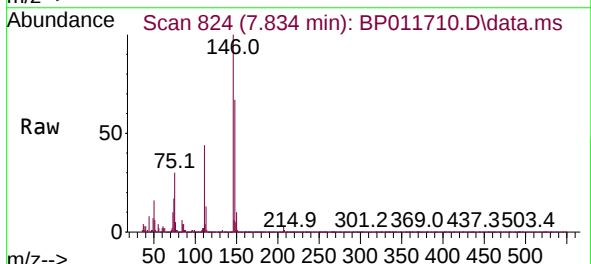
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

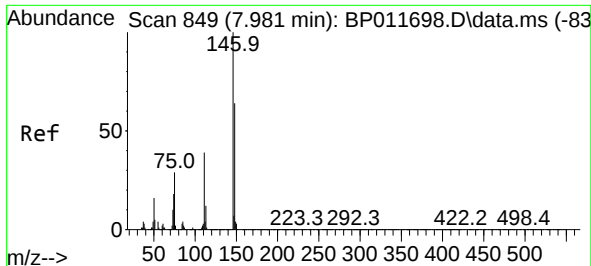
Tgt Ion: 93 Resp: 129414
Ion Ratio Lower Upper
93 100
63 81.0 68.2 108.2
95 32.8 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 5.835 ng
RT: 7.834 min Scan# 824
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:146 Resp: 145128
Ion Ratio Lower Upper
146 100
148 67.3 53.0 79.4
75 30.0 31.3 46.9#





#13

1,4-Dichlorobenzene

Concen: 5.855 ng

RT: 7.981 min Scan# 849

Delta R.T. -0.000 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

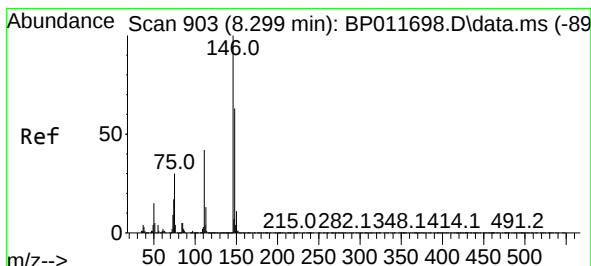
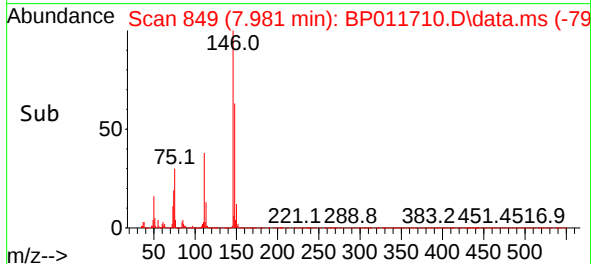
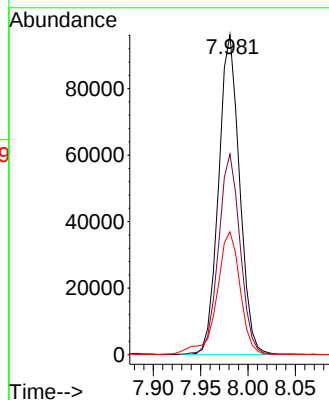
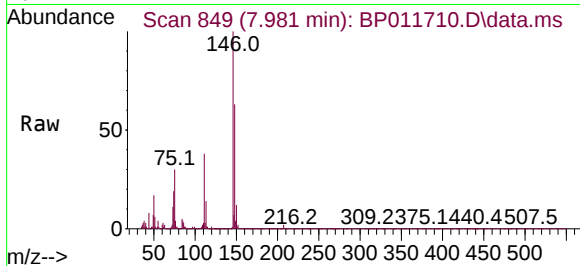
Tgt Ion:146 Resp: 148110

Ion Ratio Lower Upper

146 100

148 62.7 51.6 77.4

111 38.4 35.2 52.8



#14

1,2-Dichlorobenzene

Concen: 5.908 ng

RT: 8.299 min Scan# 903

Delta R.T. -0.000 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

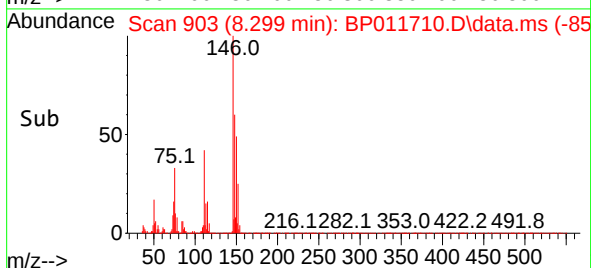
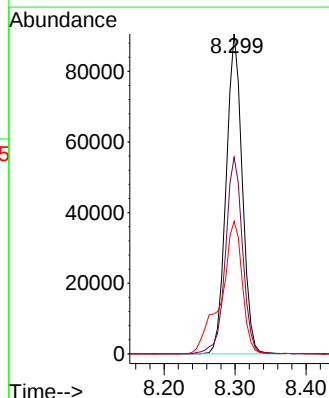
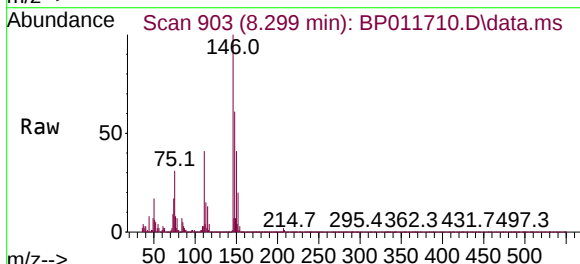
Tgt Ion:146 Resp: 142477

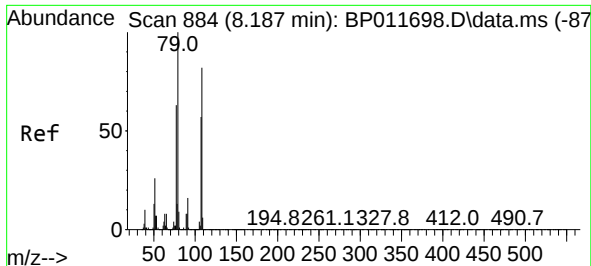
Ion Ratio Lower Upper

146 100

148 61.5 52.2 78.2

111 41.4 36.6 55.0

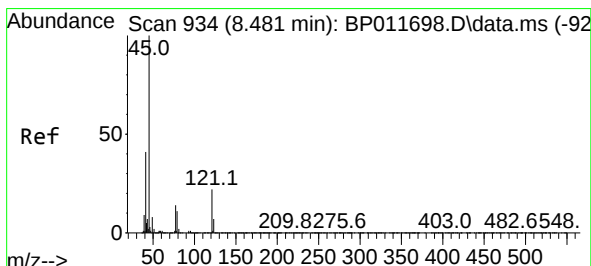
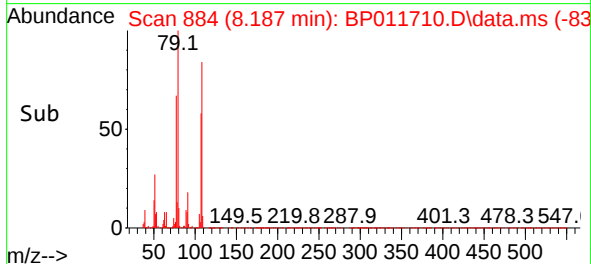
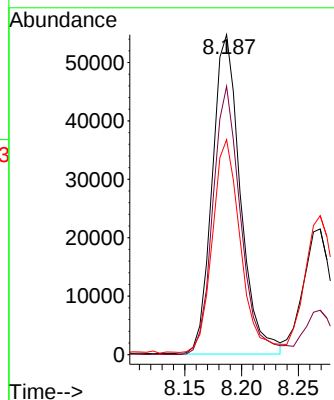
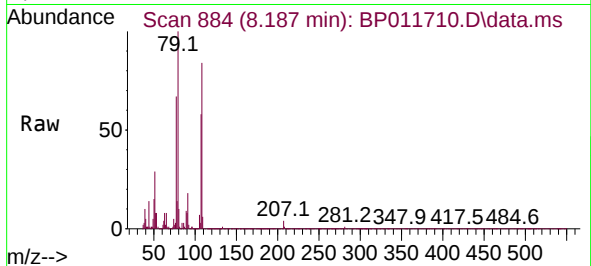




#15
Benzyl Alcohol
Concen: 5.242 ng
RT: 8.187 min Scan# 884
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

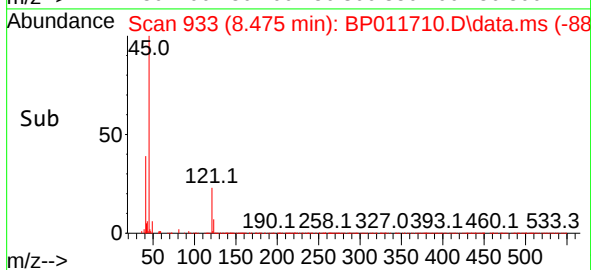
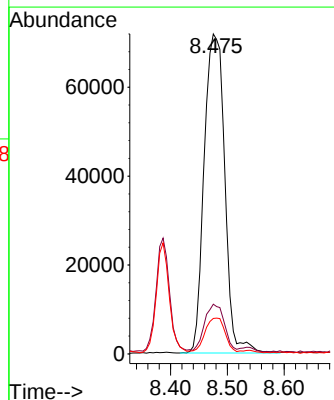
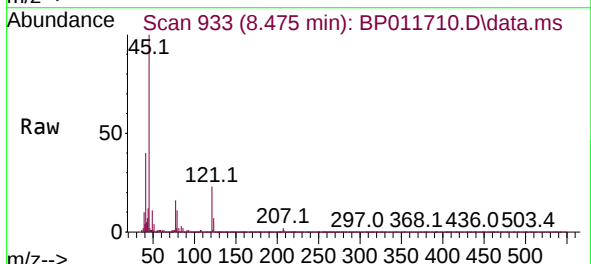
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

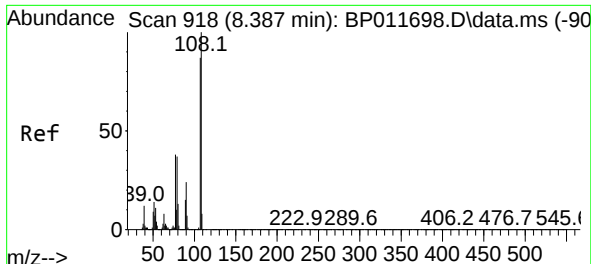
Tgt Ion: 79 Resp: 94354
Ion Ratio Lower Upper
79 100
108 83.8 53.4 80.0#
77 67.2 51.5 77.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.004 ng
RT: 8.475 min Scan# 933
Delta R.T. -0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion: 45 Resp: 181190
Ion Ratio Lower Upper
45 100
77 15.5 0.0 31.8
79 11.1 0.0 28.8

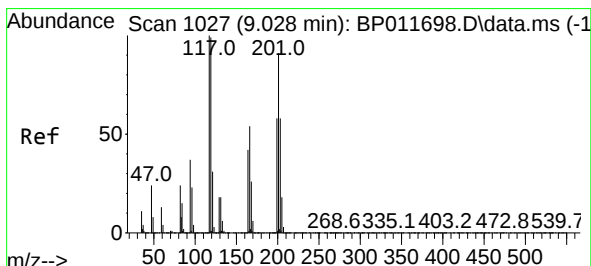
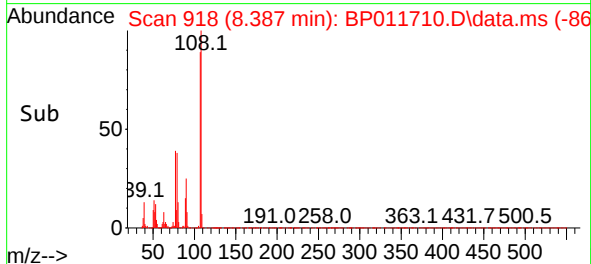
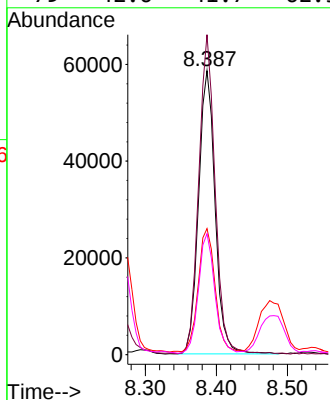
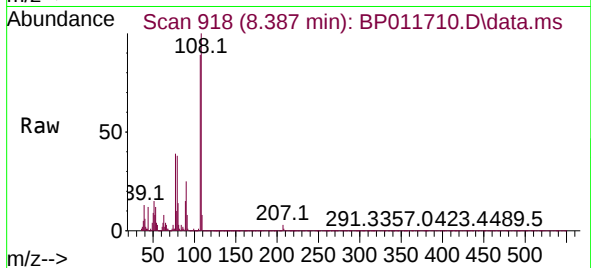




#17
2-Methylphenol
Concen: 5.142 ng
RT: 8.387 min Scan# 918
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

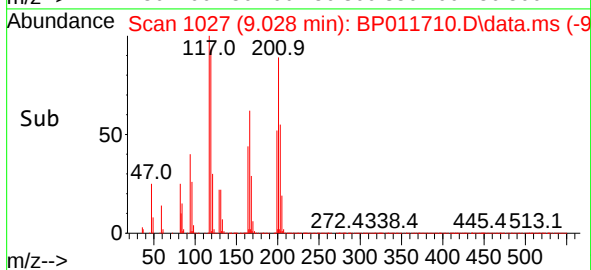
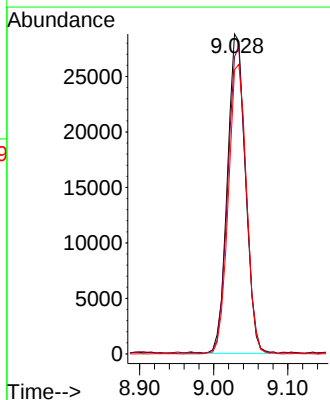
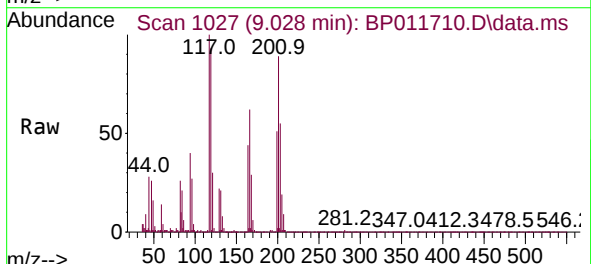
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

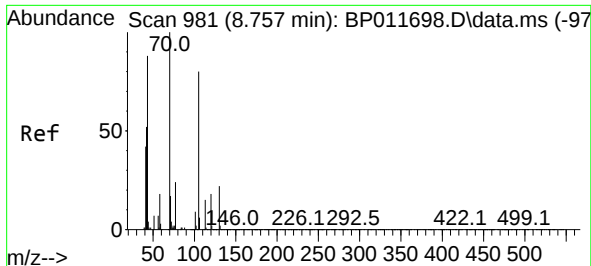
Tgt Ion:	107	Resp:	94676
Ion	Ratio	Lower	Upper
107	100		
108	112.7	88.9	133.3
77	44.4	44.7	67.1#
79	42.6	41.7	62.5



#18
Hexachloroethane
Concen: 5.573 ng
RT: 9.028 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:	117	Resp:	48758
Ion	Ratio	Lower	Upper
117	100		
119	92.9	75.6	113.4
201	88.8	80.9	121.3

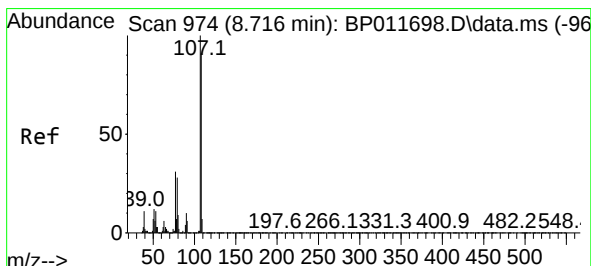
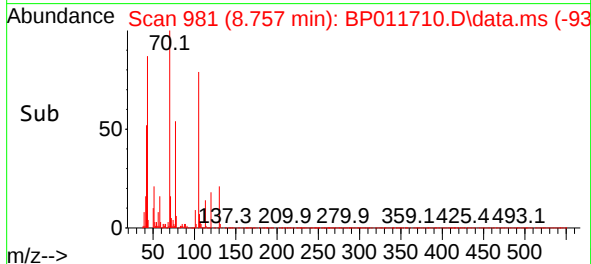
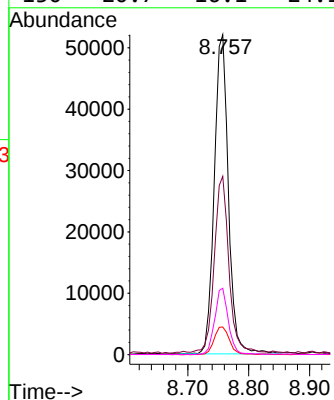
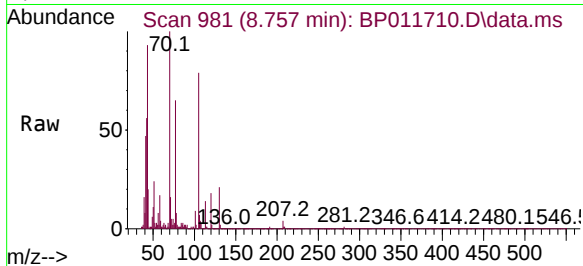




#19
n-Nitroso-di-n-propylamine
Concen: 5.135 ng
RT: 8.757 min Scan# 981
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

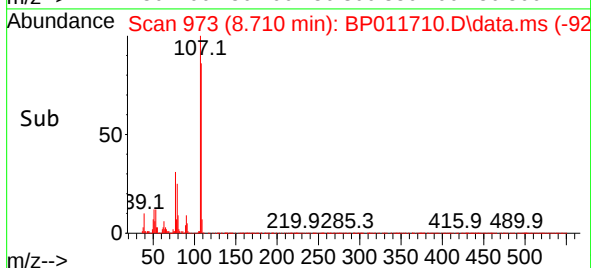
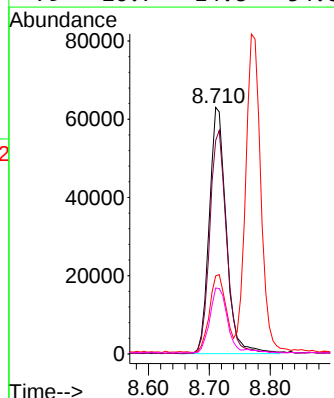
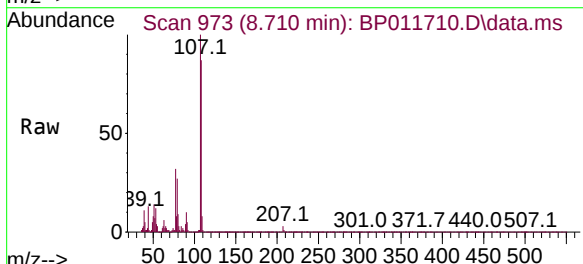
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

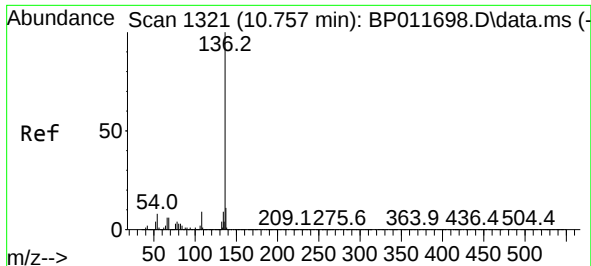
Tgt Ion:	70	Resp:	83828
Ion	Ratio	Lower	Upper
70	100		
42	55.7	58.1	87.1#
101	8.6	8.4	12.6
130	20.7	16.1	24.1



#20
3+4-Methylphenols
Concen: 4.818 ng
RT: 8.710 min Scan# 973
Delta R.T. -0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:	107	Resp:	121834
Ion	Ratio	Lower	Upper
107	100		
108	86.7	67.1	107.1
77	31.7	19.2	59.2
79	26.7	14.8	54.8



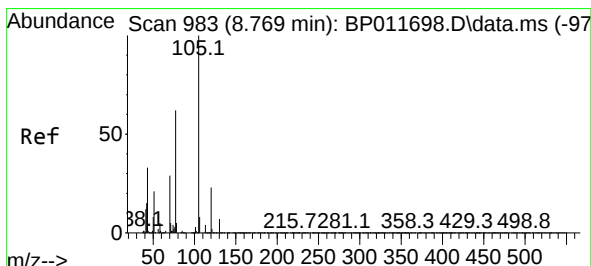
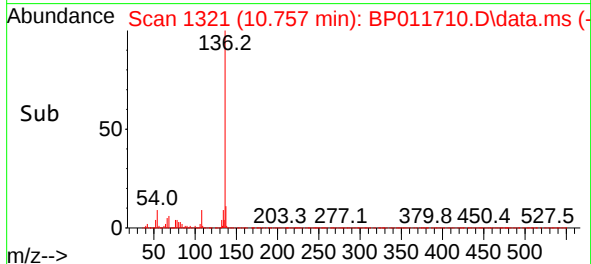
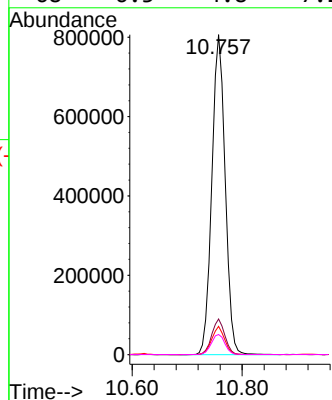
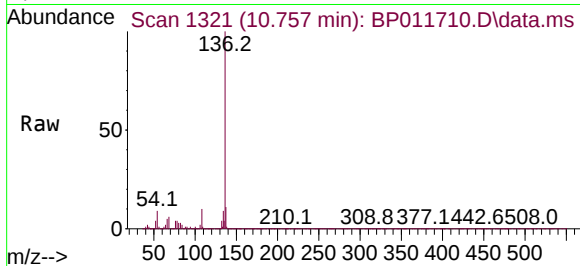


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

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

Tgt Ion:136 Resp: 1353430

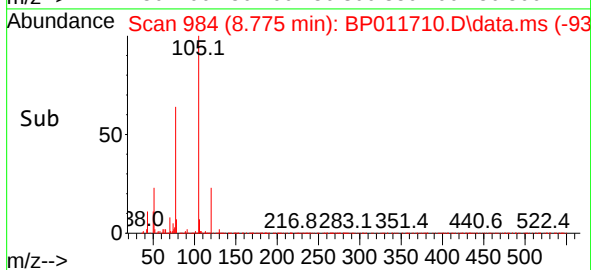
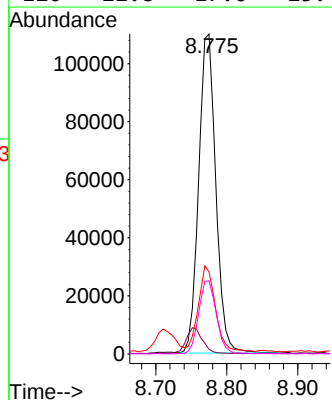
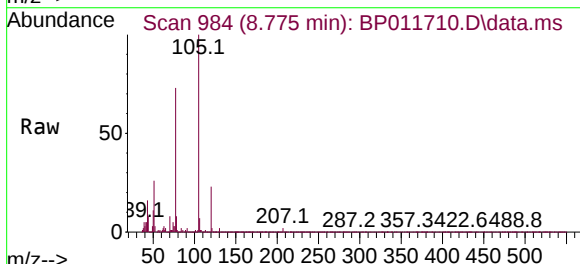
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	8.8	8.7	13.1
68	6.3	4.8	7.2

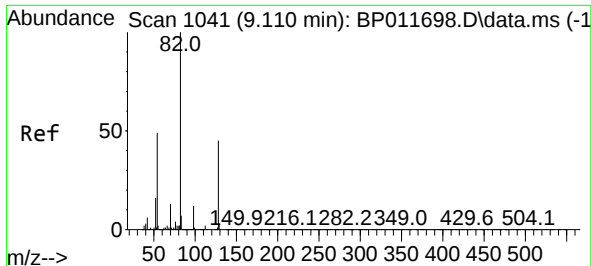


#22
Acetophenone
Concen: 5.791 ng
RT: 8.775 min Scan# 984
Delta R.T. 0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:105 Resp: 183731

Ion	Ratio	Lower	Upper
105	100		
71	1.4	3.4	5.0#
51	25.7	29.5	44.3#
120	22.8	17.0	25.4

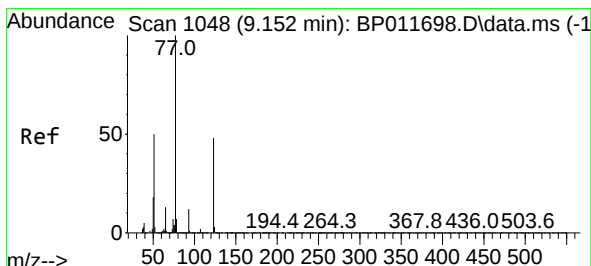
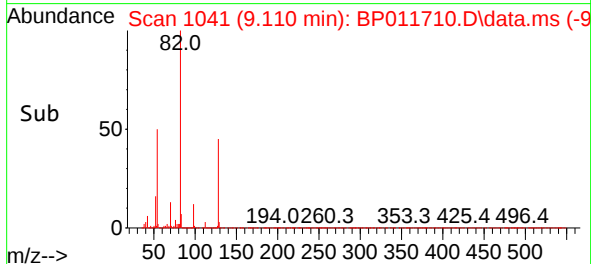
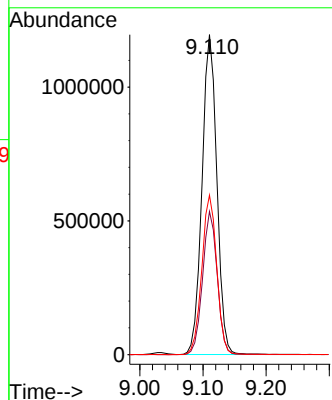
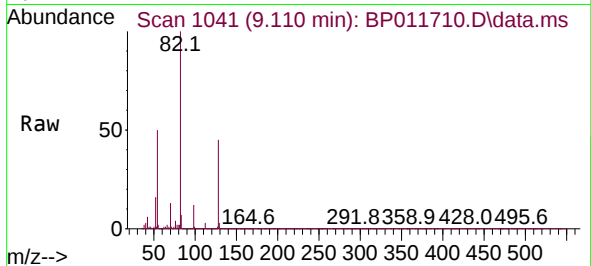




#23
Nitrobenzene-d5
Concen: 85.442 ng
RT: 9.110 min Scan# 1041
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

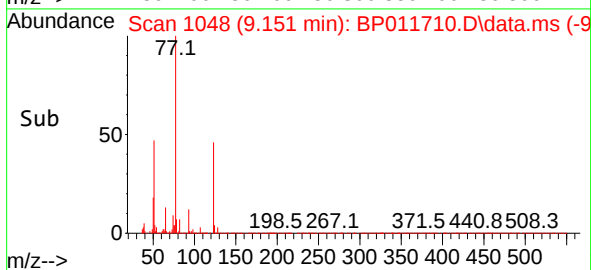
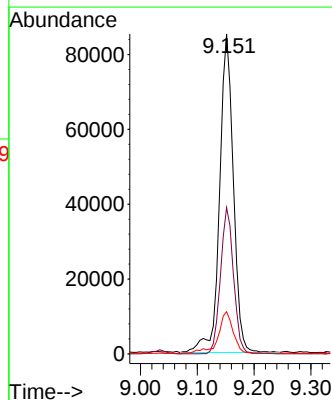
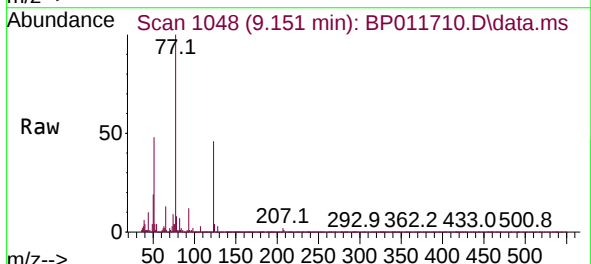
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

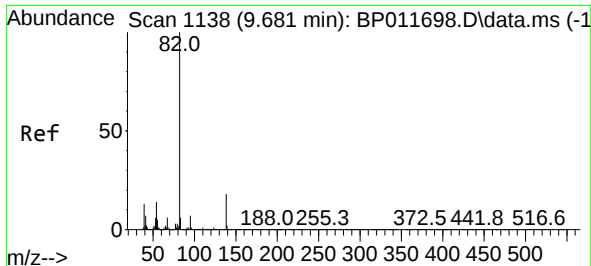
Tgt Ion: 82 Resp: 1949851
Ion Ratio Lower Upper
82 100
128 44.7 31.3 46.9
54 49.8 49.8 74.8#



#24
Nitrobenzene
Concen: 6.016 ng
RT: 9.151 min Scan# 1048
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion: 77 Resp: 142851
Ion Ratio Lower Upper
77 100
123 45.7 31.1 46.7
65 13.2 12.1 18.1

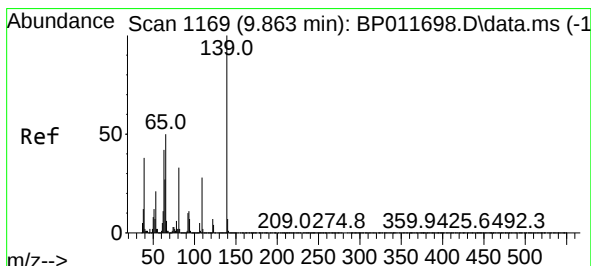
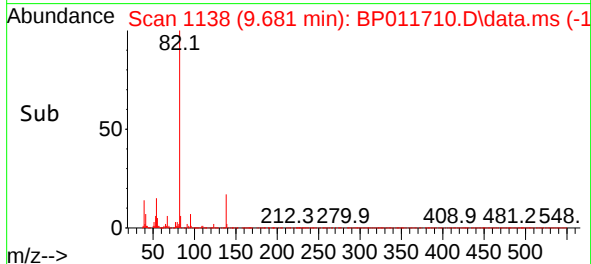
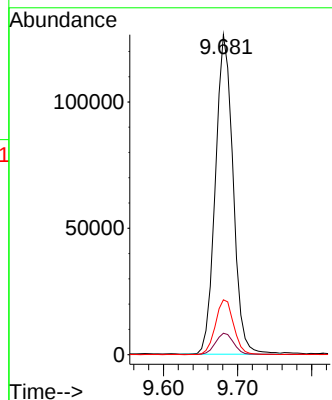
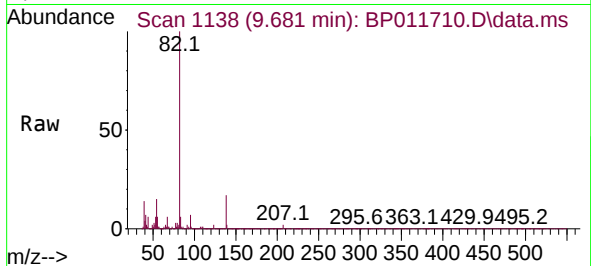




#25
Isophorone
Concen: 5.188 ng
RT: 9.681 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

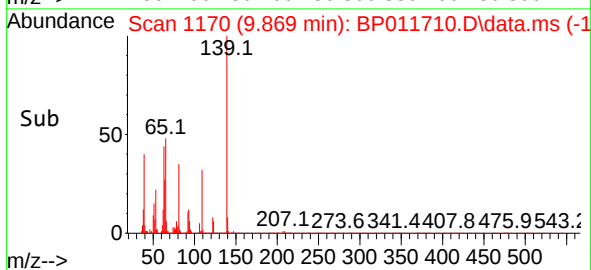
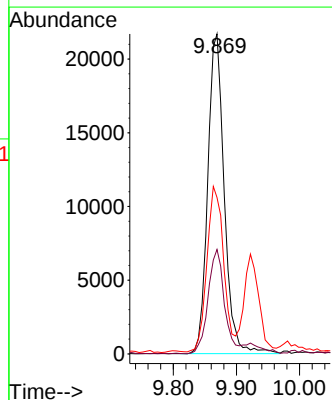
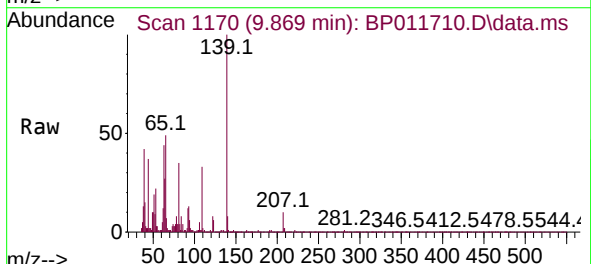
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2022

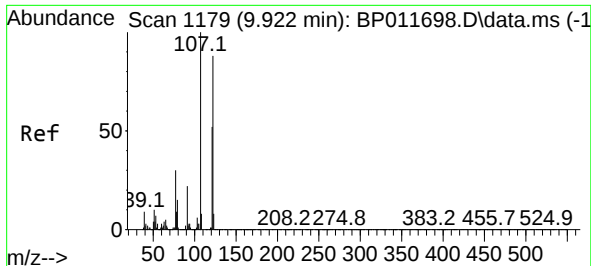
Tgt Ion: 82 Resp: 209427
Ion Ratio Lower Upper
82 100
95 6.7 6.5 9.7
138 17.1 12.4 18.6



#26
2-Nitrophenol
Concen: 4.042 ng
RT: 9.869 min Scan# 1170
Delta R.T. 0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion: 139 Resp: 39369
Ion Ratio Lower Upper
139 100
109 32.6 30.2 45.4
65 48.9 52.2 78.2#

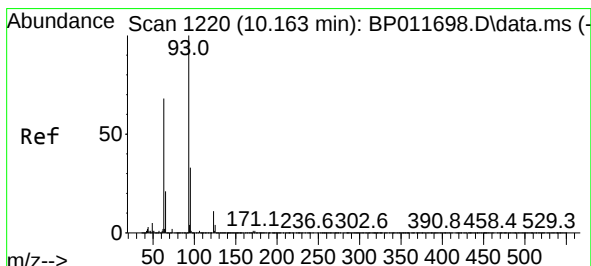
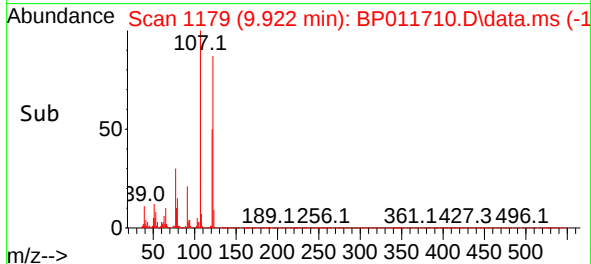
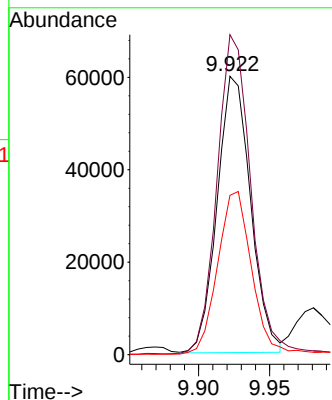
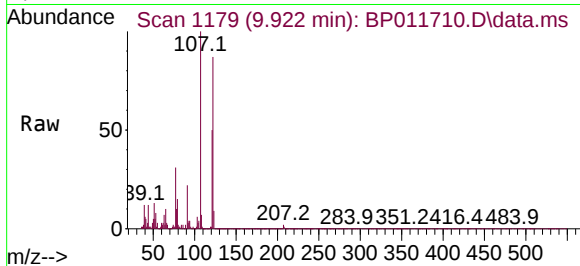




#27
2,4-Dimethylphenol
Concen: 5.811 ng
RT: 9.922 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

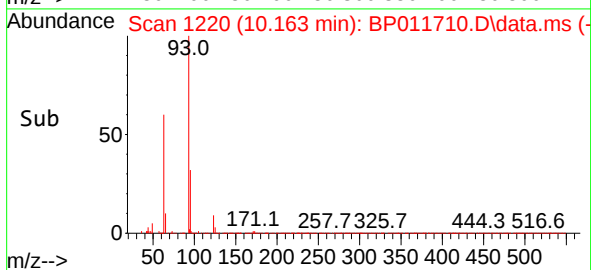
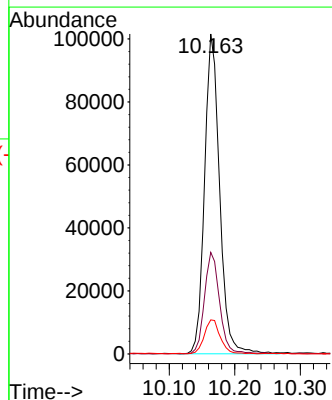
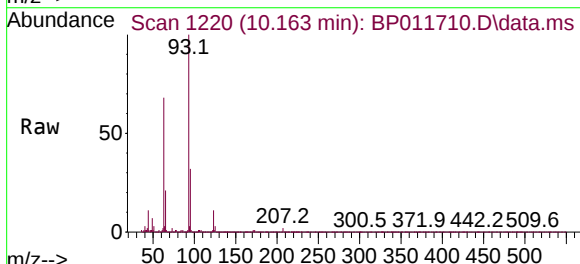
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

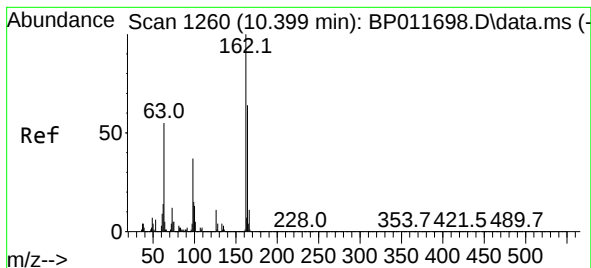
Tgt Ion:122 Resp: 98070
Ion Ratio Lower Upper
122 100
107 115.0 103.5 155.3
121 57.3 47.5 71.3



#28
bis(2-Chloroethoxy)methane
Concen: 6.251 ng
RT: 10.163 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion: 93 Resp: 161357
Ion Ratio Lower Upper
93 100
95 31.7 25.0 37.6
123 10.6 9.0 13.6





#29

2,4-Dichlorophenol

Concen: 4.755 ng

RT: 10.398 min Scan# 1260

Delta R.T. -0.000 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

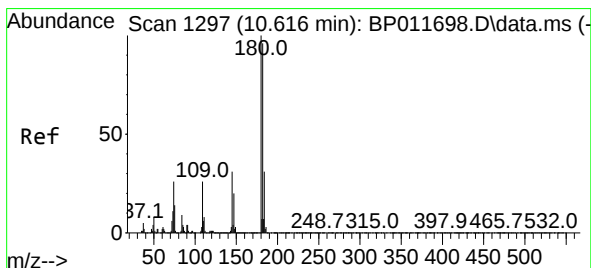
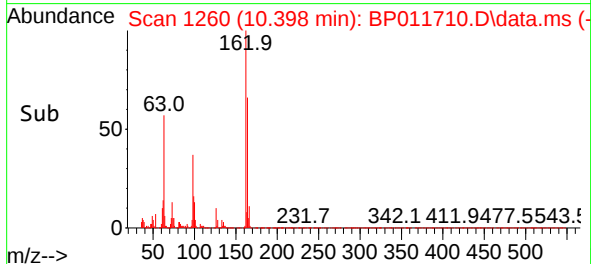
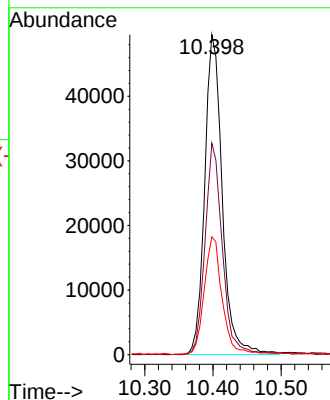
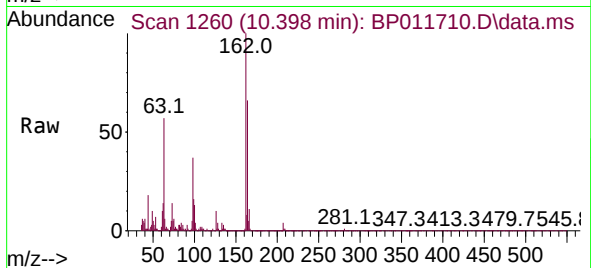
Tgt Ion:162 Resp: 88901

Ion Ratio Lower Upper

162 100

164 66.0 43.0 83.0

98 36.8 20.4 60.4



#30

1,2,4-Trichlorobenzene

Concen: 5.640 ng

RT: 10.616 min Scan# 1297

Delta R.T. -0.000 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

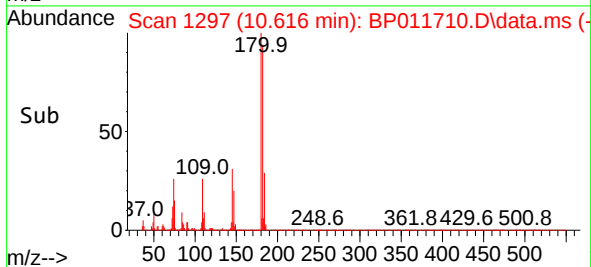
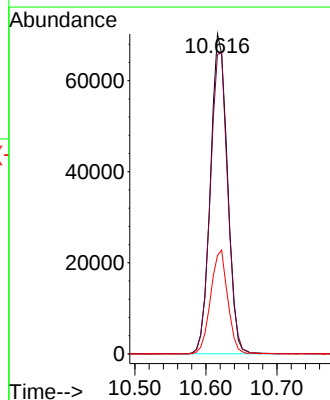
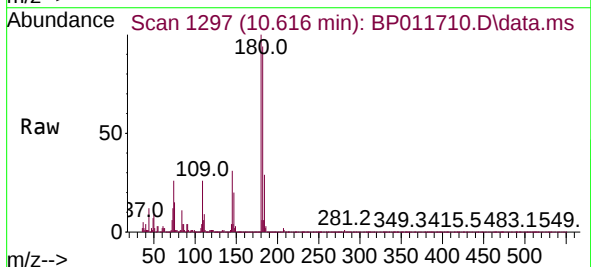
Tgt Ion:180 Resp: 116746

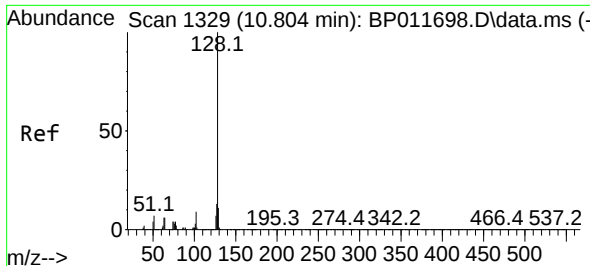
Ion Ratio Lower Upper

180 100

182 93.6 78.0 117.0

145 30.7 24.6 36.8

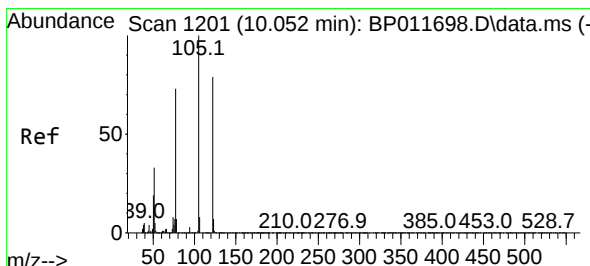
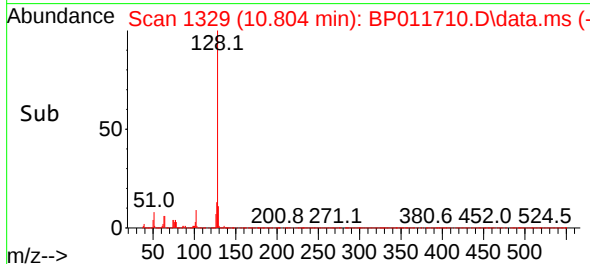
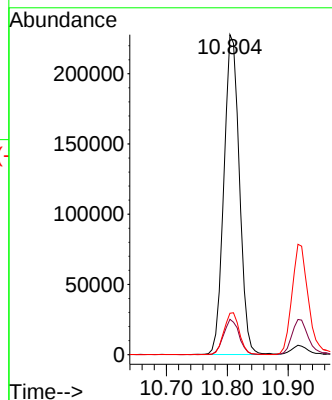
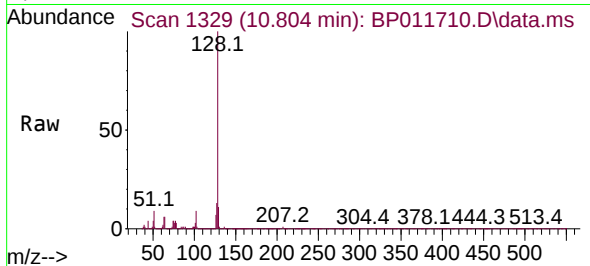




#31
Naphthalene
Concen: 5.730 ng
RT: 10.804 min Scan# 1189
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

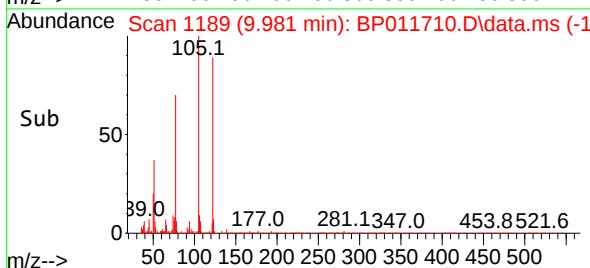
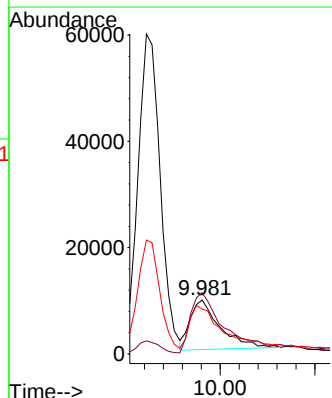
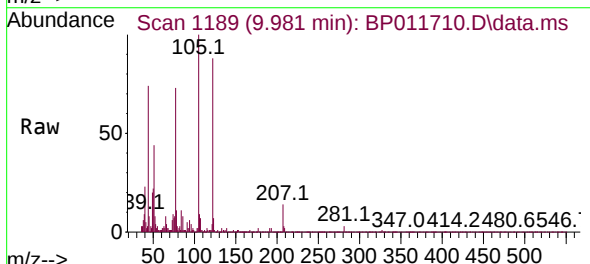
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

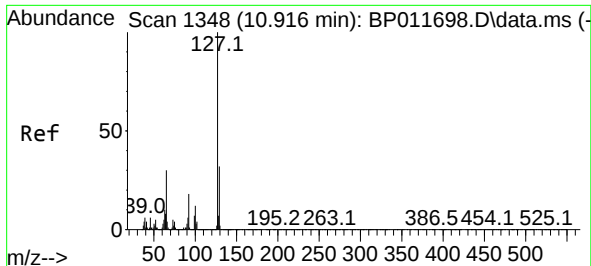
Tgt Ion:128 Resp: 402476
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 12.9 10.3 15.5



#32
Benzoic acid
Concen: 1.631 ng
RT: 9.981 min Scan# 1189
Delta R.T. -0.071 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:122 Resp: 20605
Ion Ratio Lower Upper
122 100
105 113.7 112.6 152.6
77 82.9 90.2 130.2#

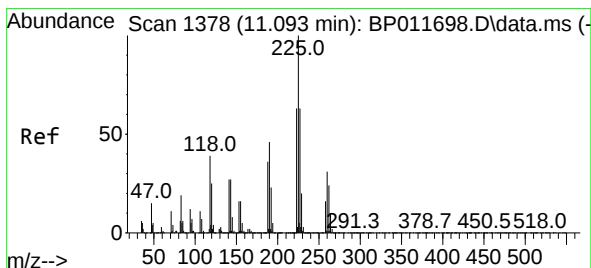
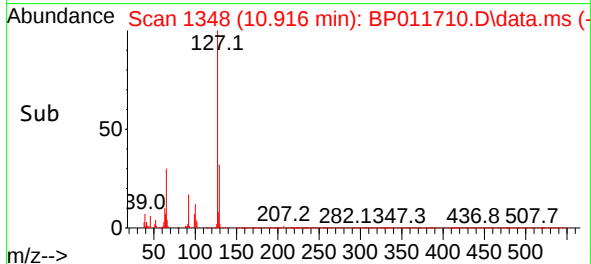
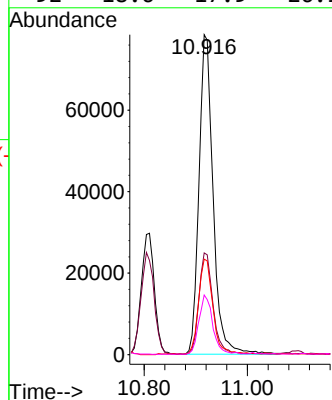
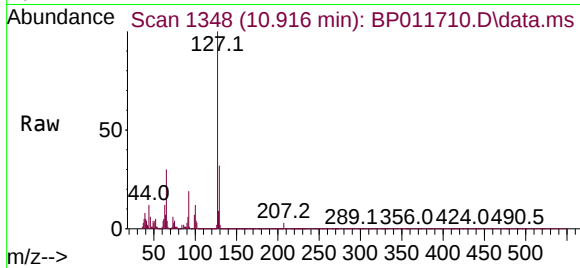




#33
4-Chloroaniline
Concen: 5.412 ng
RT: 10.916 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

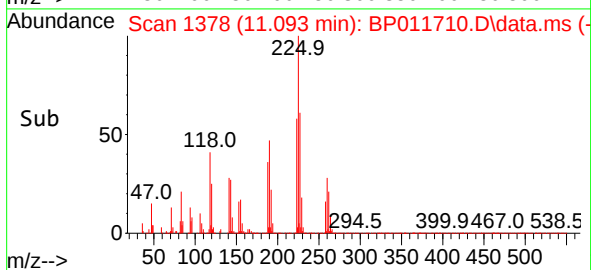
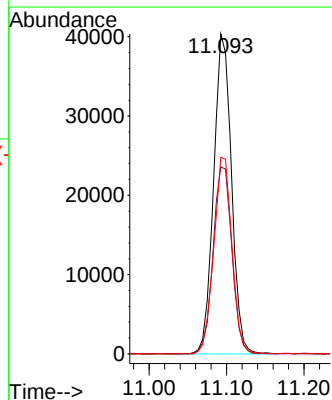
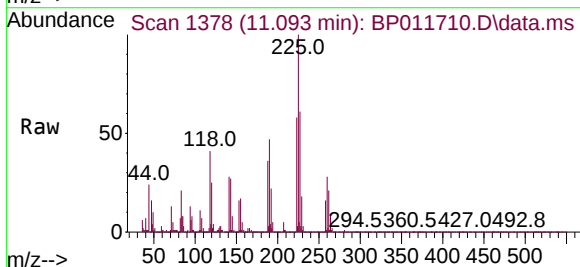
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

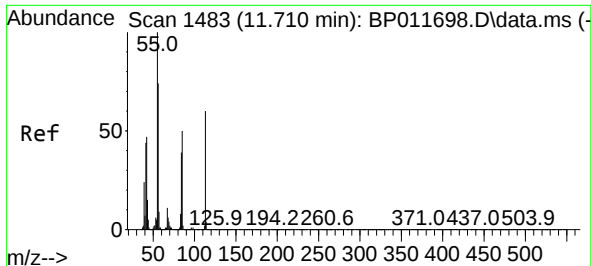
Tgt Ion:	127	Resp:	149133
Ion Ratio	Lower	Upper	
127	100		
129	31.8	25.4	38.2
65	29.8	30.4	45.6#
92	18.6	17.9	26.9



#34
Hexachlorobutadiene
Concen: 5.657 ng
RT: 11.093 min Scan# 1378
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:	225	Resp:	64508
Ion Ratio	Lower	Upper	
225	100		
223	58.4	52.2	78.4
227	61.4	50.8	76.2

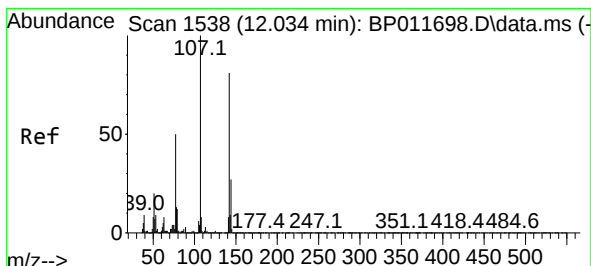
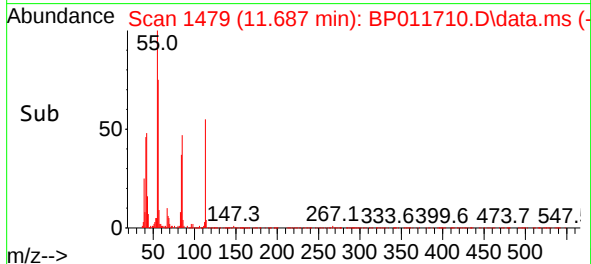
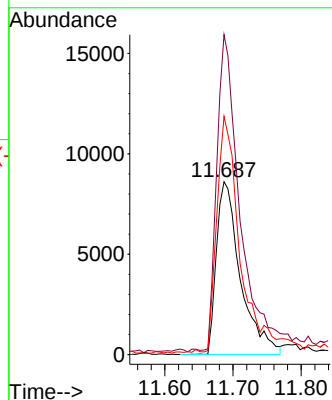
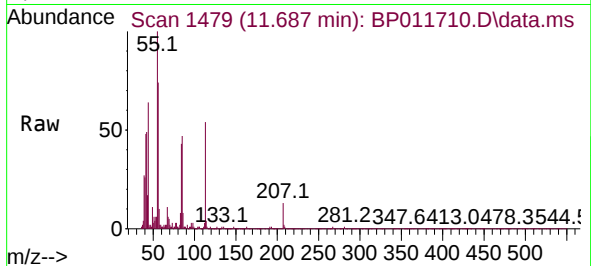




#35
Caprolactam
Concen: 3.469 ng
RT: 11.687 min Scan# 1483
Delta R.T. -0.024 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

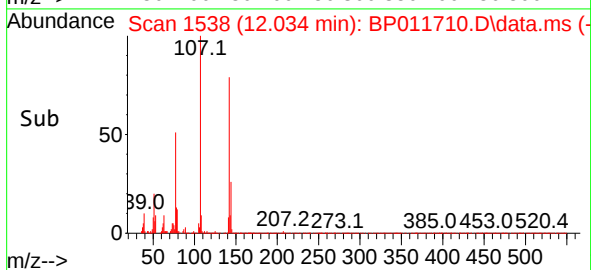
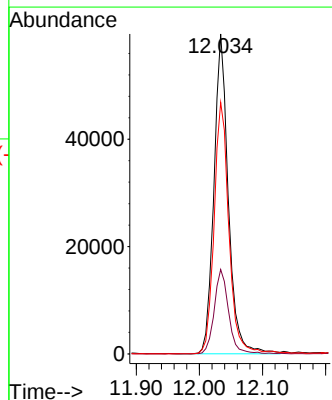
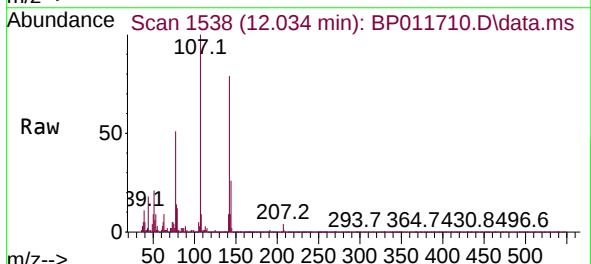
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

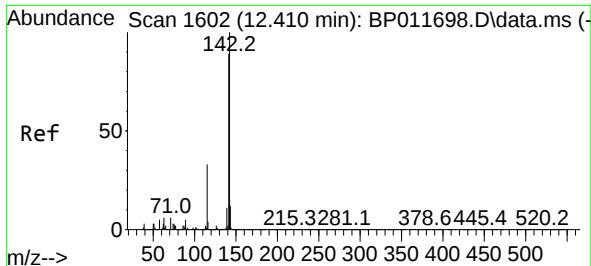
Tgt Ion:113 Resp: 21017
Ion Ratio Lower Upper
113 100
55 185.1 198.6 238.6#
56 137.8 142.7 182.7#



#36
4-Chloro-3-methylphenol
Concen: 4.702 ng
RT: 12.034 min Scan# 1538
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:107 Resp: 94546
Ion Ratio Lower Upper
107 100
144 26.4 19.8 29.6
142 78.6 59.0 88.4

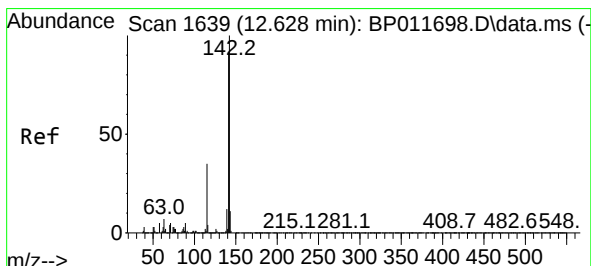
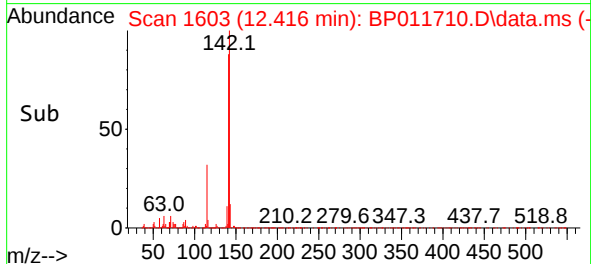
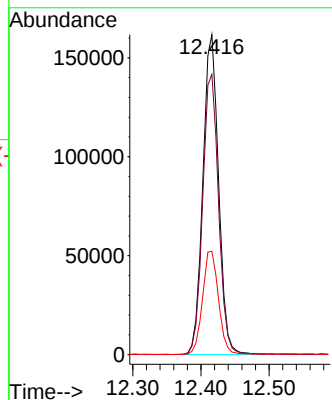
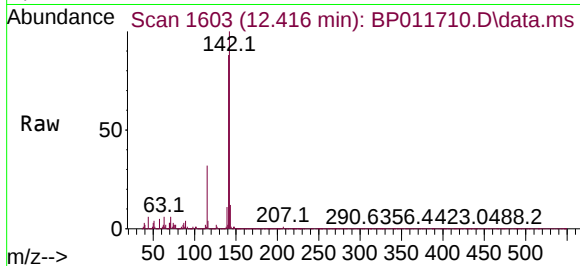




#37
2-Methylnaphthalene
Concen: 5.515 ng
RT: 12.416 min Scan# 1602
Delta R.T. 0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

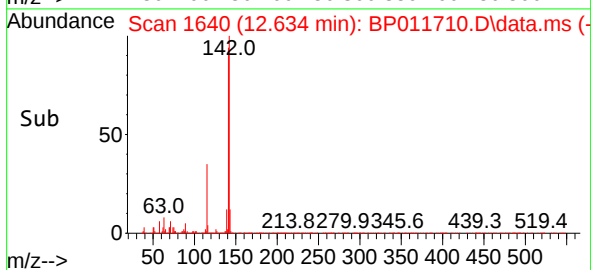
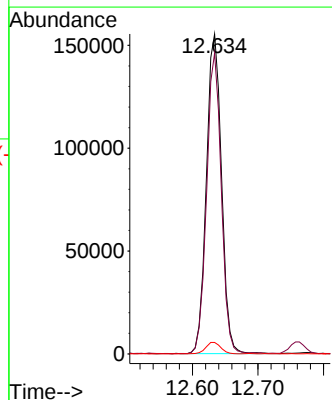
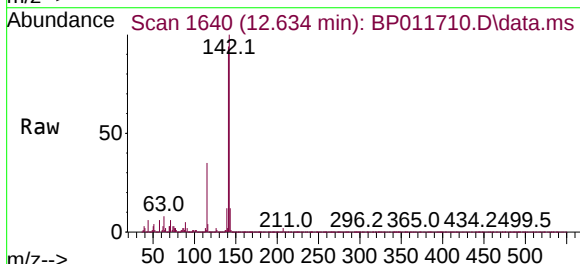
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

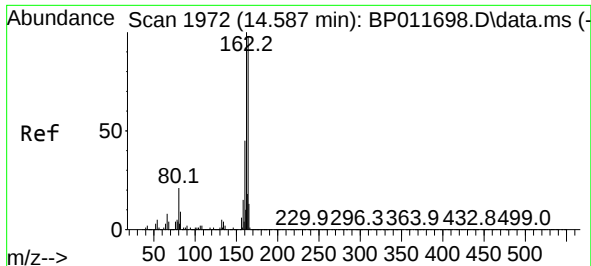
Tgt Ion:142 Resp: 259213
Ion Ratio Lower Upper
142 100
141 87.5 71.3 106.9
115 32.3 31.4 47.2



#38
1-Methylnaphthalene
Concen: 5.395 ng
RT: 12.634 min Scan# 1640
Delta R.T. 0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:142 Resp: 247945
Ion Ratio Lower Upper
142 100
141 94.0 72.6 108.8
116 3.6 3.3 4.9

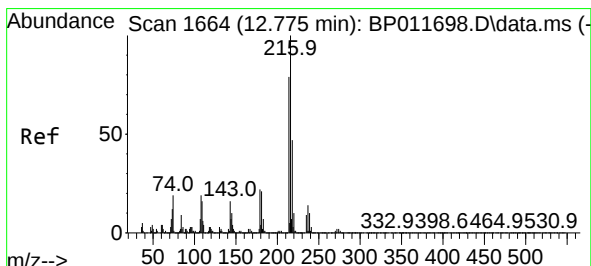
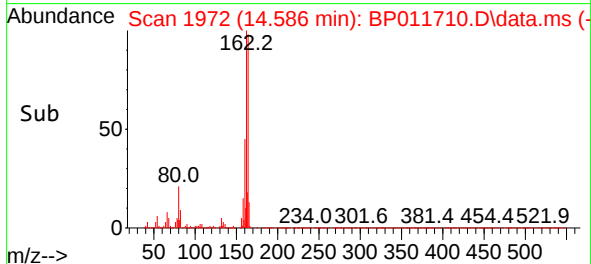
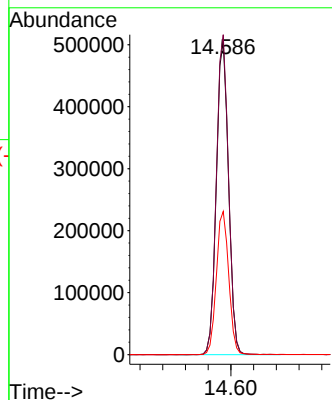
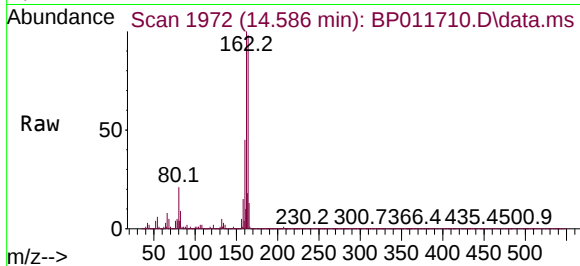




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1972
Delta R.T. -0.001 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

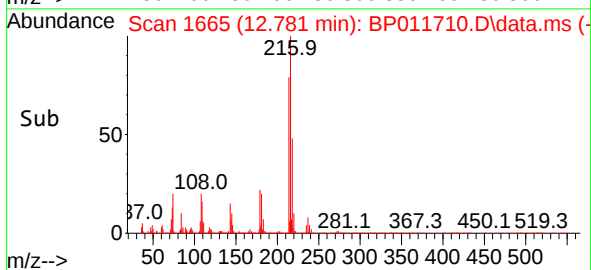
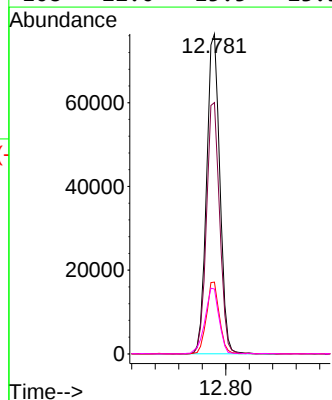
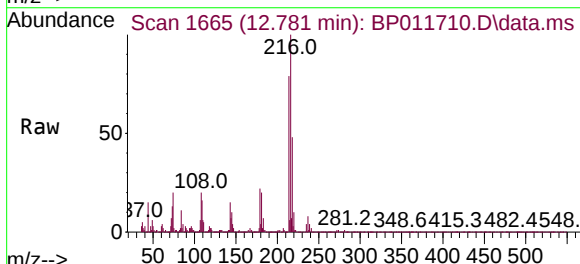
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

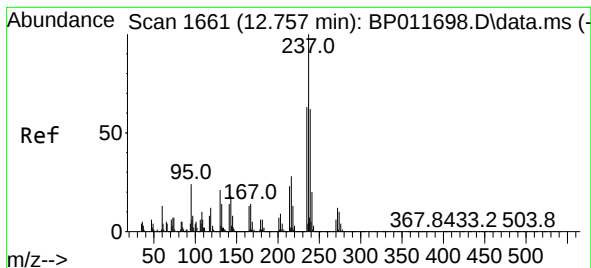
Tgt Ion:164 Resp: 752607
Ion Ratio Lower Upper
164 100
162 102.2 81.9 122.9
160 45.7 34.6 51.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.011 ng
RT: 12.781 min Scan# 1665
Delta R.T. 0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:216 Resp: 119405
Ion Ratio Lower Upper
216 100
214 78.5 61.9 92.9
179 21.8 17.0 25.6
108 22.0 15.5 23.3





#41

Hexachlorocyclopentadiene

Concen: 6.303 ng

RT: 12.763 min Scan# 1661

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

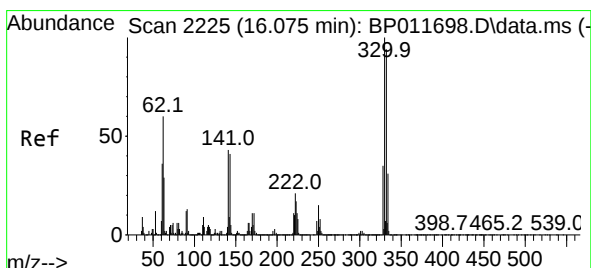
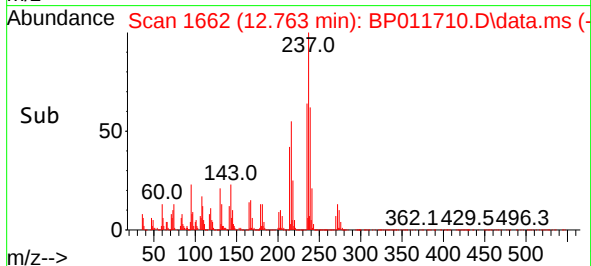
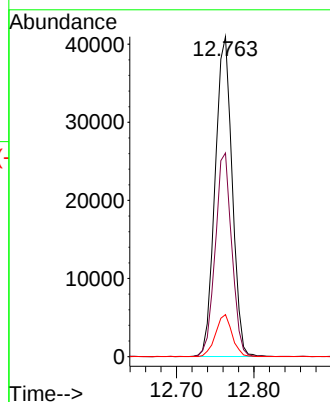
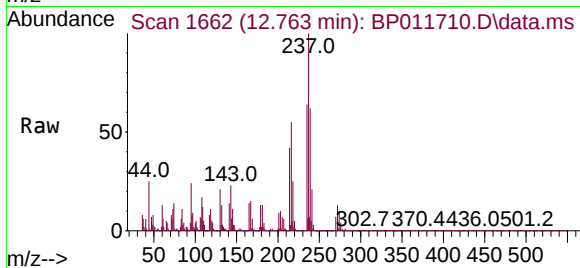
Tgt Ion:237 Resp: 62488

Ion Ratio Lower Upper

237 100

235 63.6 43.3 83.3

272 13.1 0.0 33.0



#42

2,4,6-Tribromophenol

Concen: 118.522 ng

RT: 16.075 min Scan# 2225

Delta R.T. -0.000 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

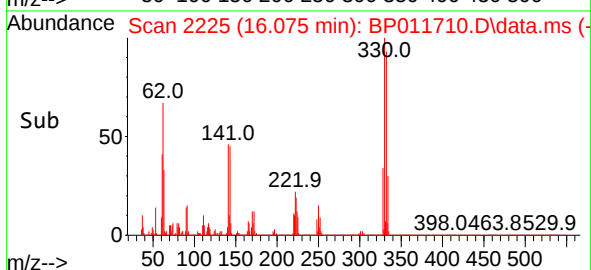
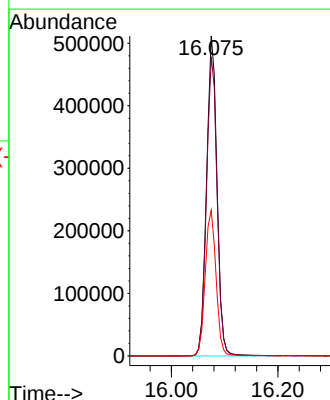
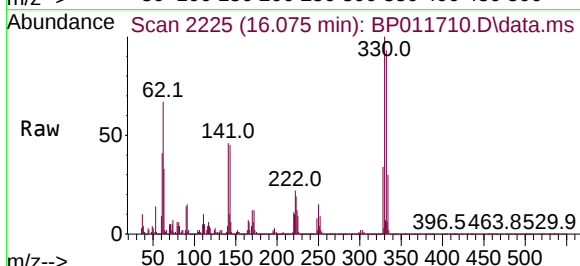
Tgt Ion:330 Resp: 696959

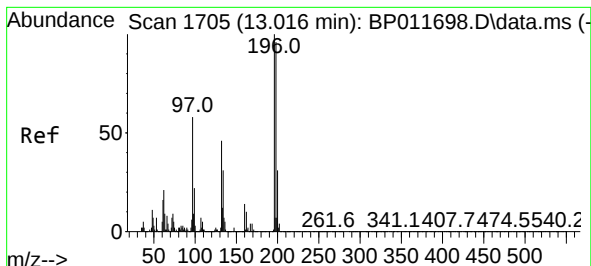
Ion Ratio Lower Upper

330 100

332 94.9 78.1 117.1

141 47.1 31.4 47.2





#43

2,4,6-Trichlorophenol

Concen: 4.473 ng

RT: 13.016 min Scan# 1705

Delta R.T. -0.000 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

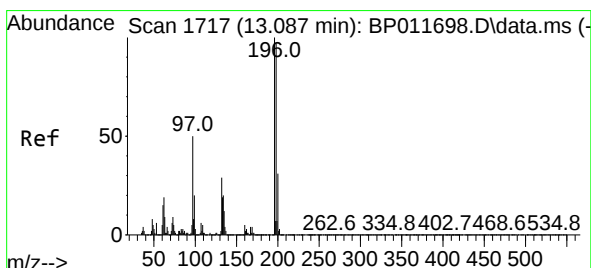
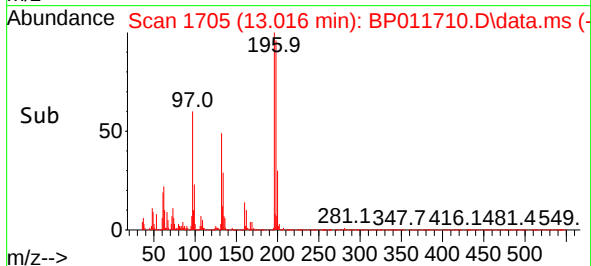
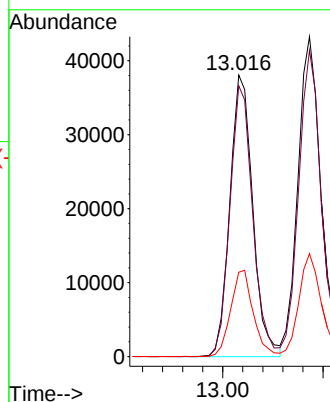
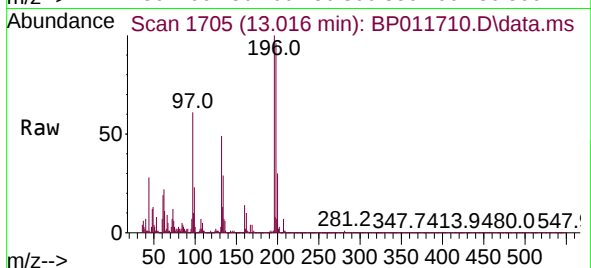
Tgt Ion:196 Resp: 60437

Ion Ratio Lower Upper

196 100

198 96.2 77.7 116.5

200 30.0 25.5 38.3



#44

2,4,5-Trichlorophenol

Concen: 4.751 ng

RT: 13.087 min Scan# 1717

Delta R.T. -0.000 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Tgt Ion:196 Resp: 71768

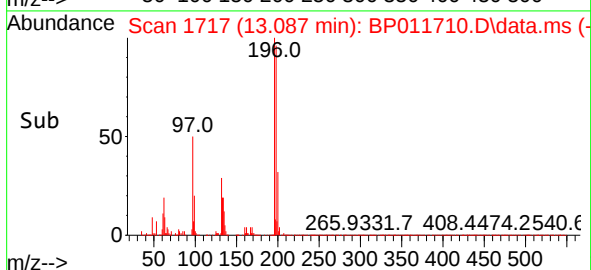
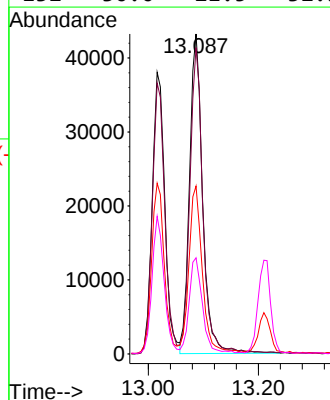
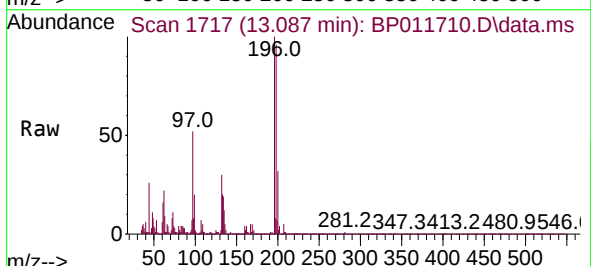
Ion Ratio Lower Upper

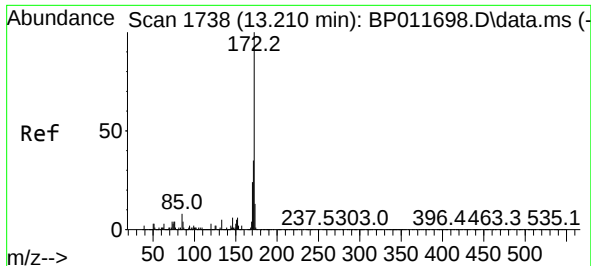
196 100

198 95.7 75.7 113.5

97 52.4 42.4 63.6

132 30.0 21.5 32.3

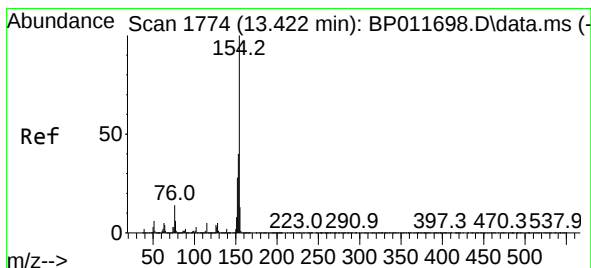
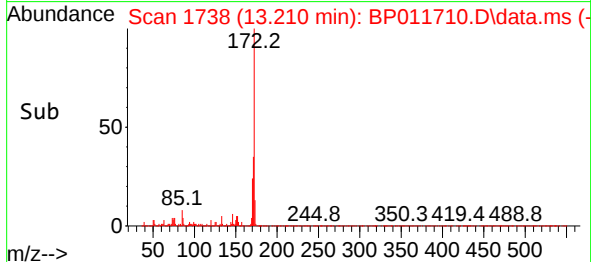
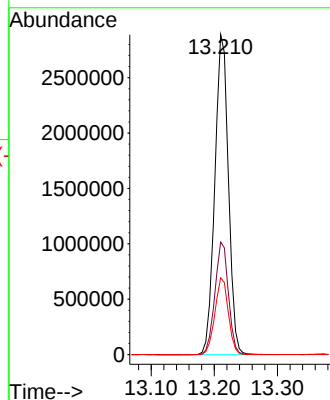
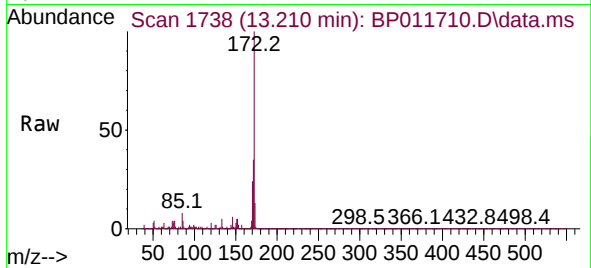




#45
2-Fluorobiphenyl
Concen: 89.236 ng
RT: 13.210 min Scan# 1738
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

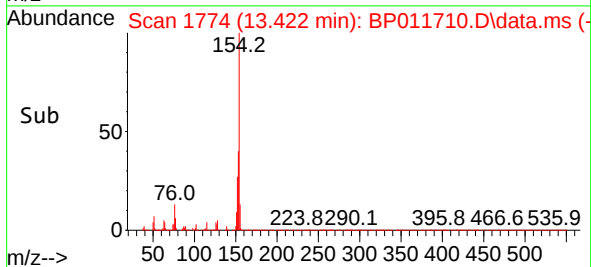
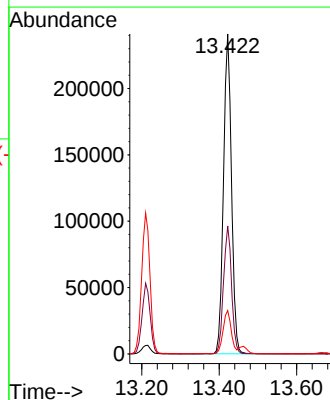
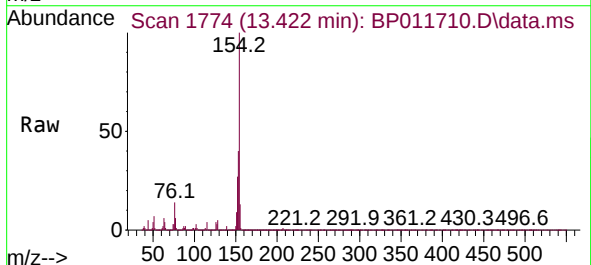
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

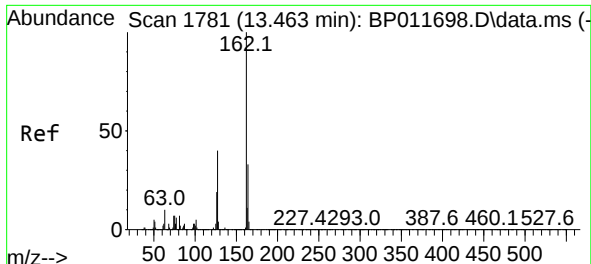
Tgt Ion:172 Resp: 4320510
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 24.0 18.2 27.2



#46
1,1'-Biphenyl
Concen: 6.336 ng
RT: 13.422 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:154 Resp: 346902
Ion Ratio Lower Upper
154 100
153 40.0 20.1 60.1
76 13.5 0.0 33.2

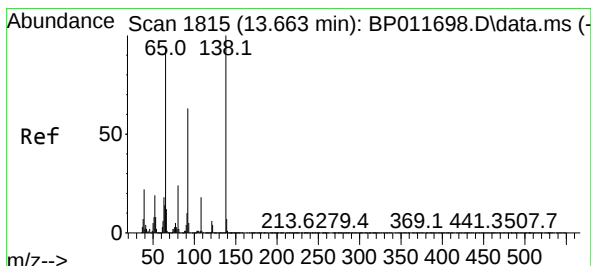
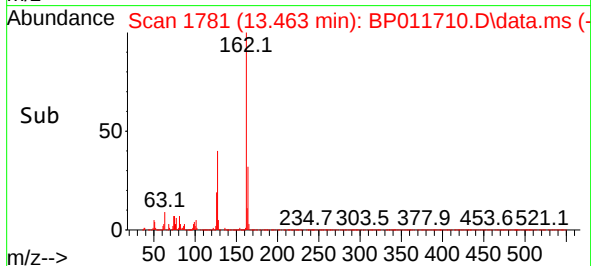
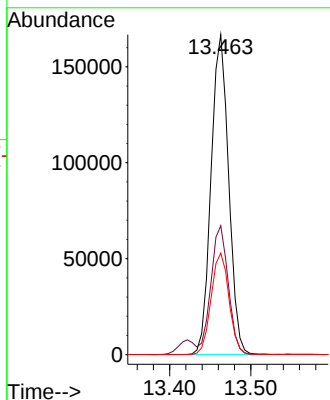
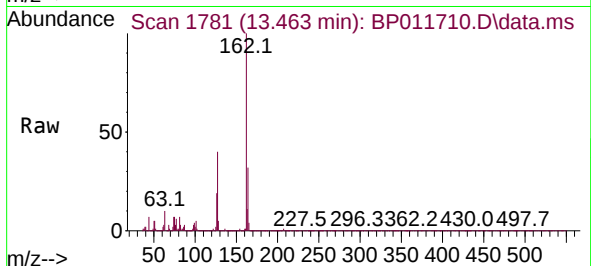




#47
2-Chloronaphthalene
Concen: 5.833 ng
RT: 13.463 min Scan# 1781
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

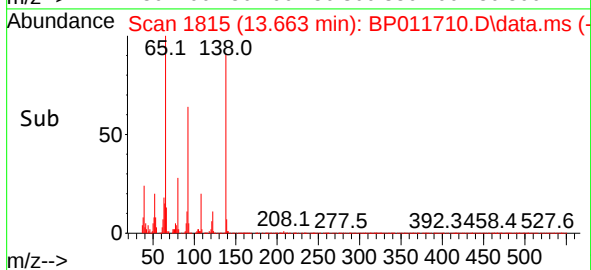
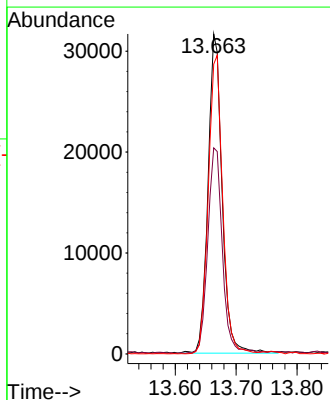
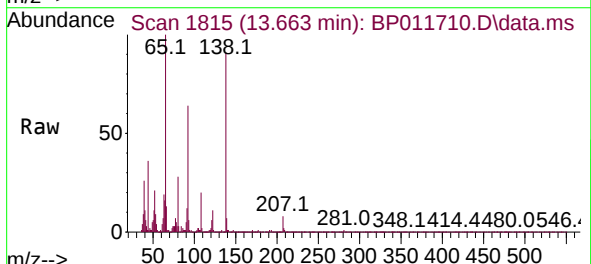
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT3-2022

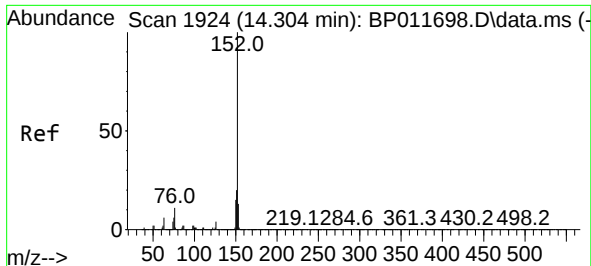
Tgt Ion:162 Resp: 251260
Ion Ratio Lower Upper
162 100
127 40.3 32.4 48.6
164 31.7 26.3 39.5



#48
2-Nitroaniline
Concen: 4.212 ng
RT: 13.663 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion: 65 Resp: 50881
Ion Ratio Lower Upper
65 100
92 64.4 50.0 75.0
138 90.5 71.2 106.8

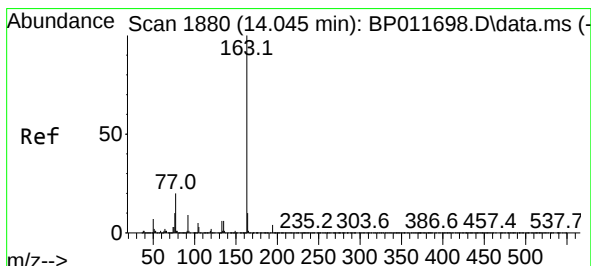
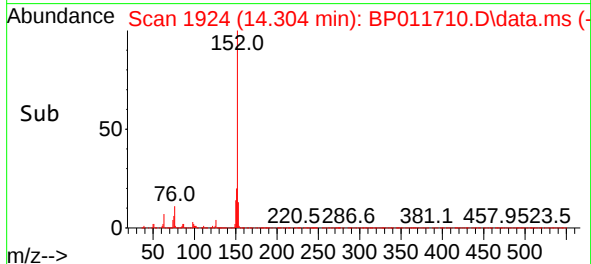
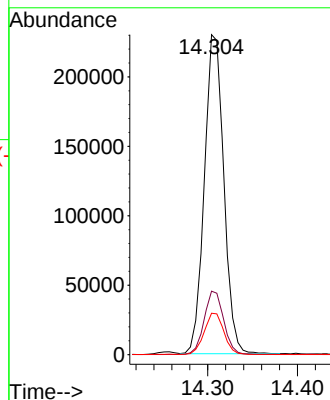
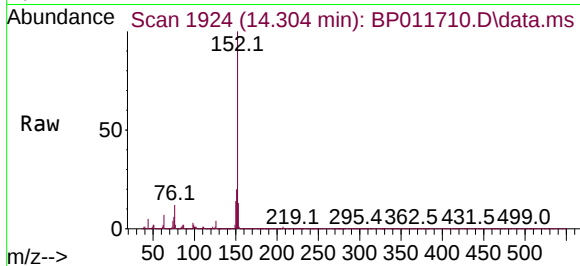




#49
Acenaphthylene
Concen: 5.183 ng
RT: 14.304 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

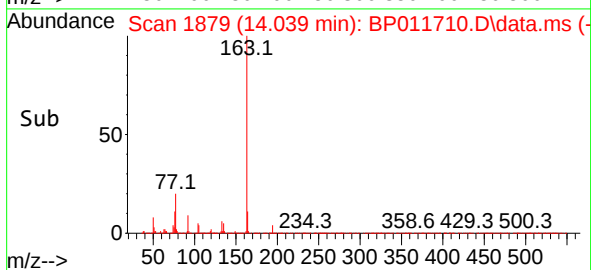
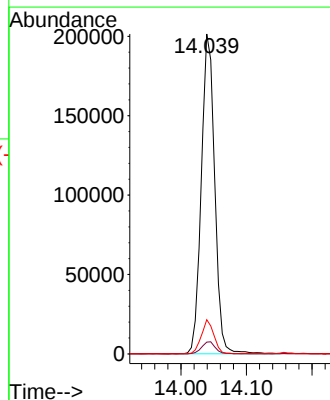
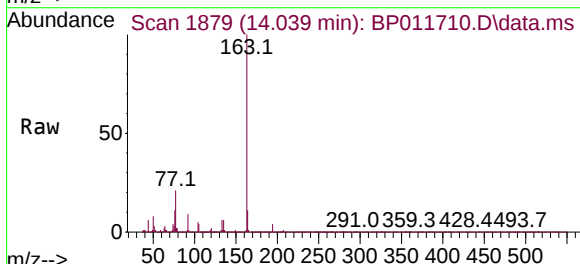
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

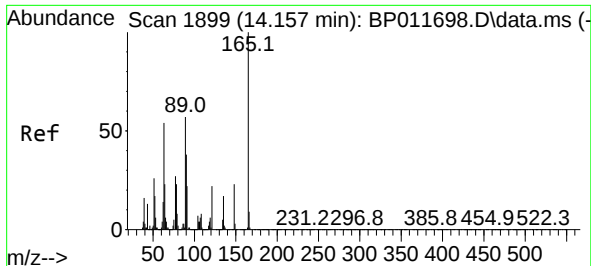
Tgt Ion:152 Resp: 345463
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 12.9 10.4 15.6



#50
Dimethylphthalate
Concen: 5.423 ng
RT: 14.039 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:163 Resp: 284753
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 10.7 8.2 12.4

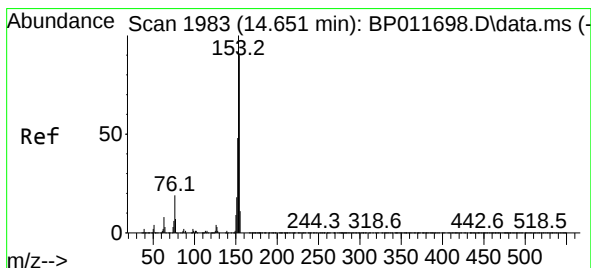
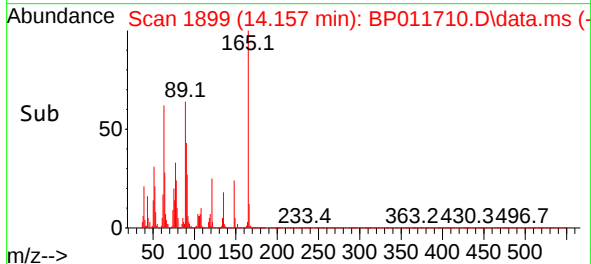
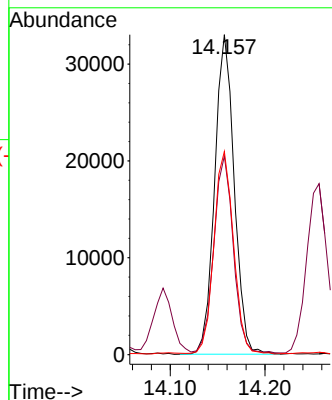
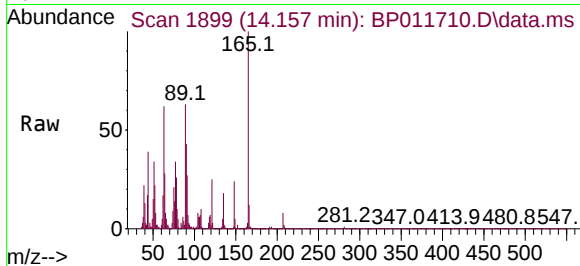




#51
2,6-Dinitrotoluene
Concen: 4.446 ng
RT: 14.157 min Scan# 1899
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

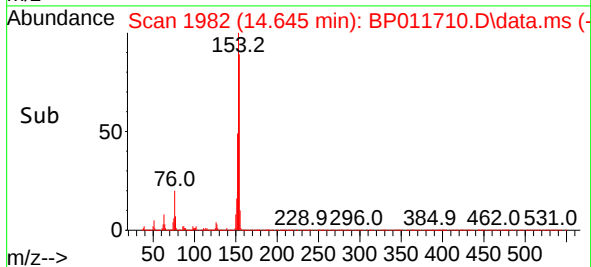
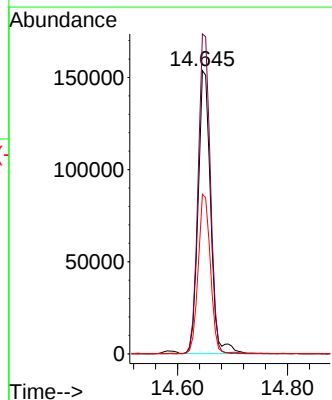
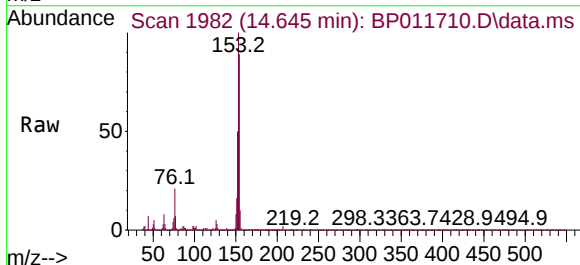
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

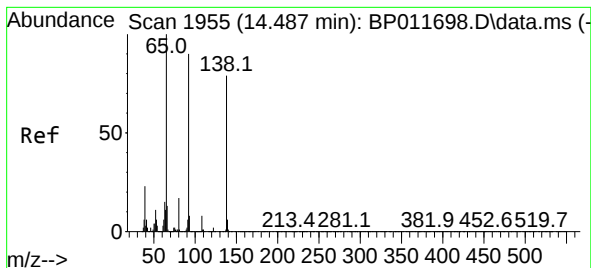
Tgt Ion:165 Resp: 47337
Ion Ratio Lower Upper
165 100
63 62.1 57.3 85.9
89 63.5 50.2 75.2



#52
Acenaphthene
Concen: 5.481 ng
RT: 14.645 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:154 Resp: 243021
Ion Ratio Lower Upper
154 100
153 112.9 87.4 131.2
152 56.4 41.7 62.5





#53

3-Nitroaniline

Concen: 3.844 ng

RT: 14.486 min Scan# 1955

Delta R.T. -0.001 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

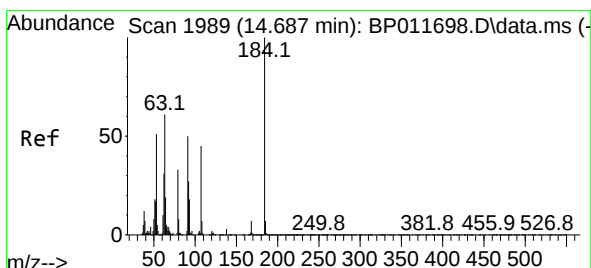
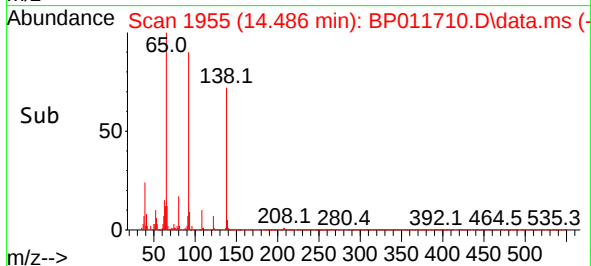
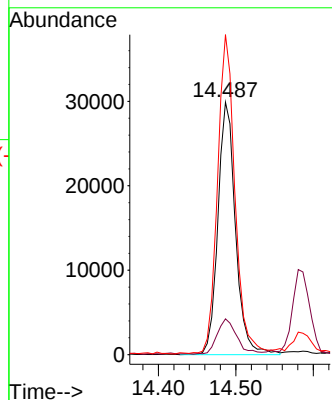
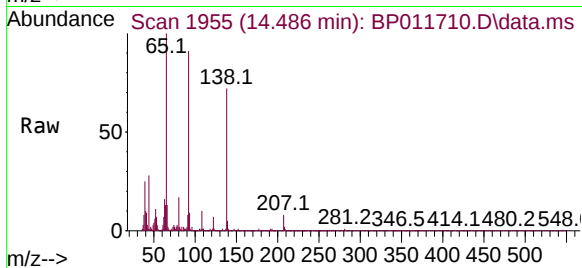
Tgt Ion:138 Resp: 47190

Ion Ratio Lower Upper

138 100

108 14.2 9.5 14.3

92 126.8 99.9 149.9



#54

2,4-Dinitrophenol

Concen: 2.739 ng

RT: 14.692 min Scan# 1990

Delta R.T. 0.005 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

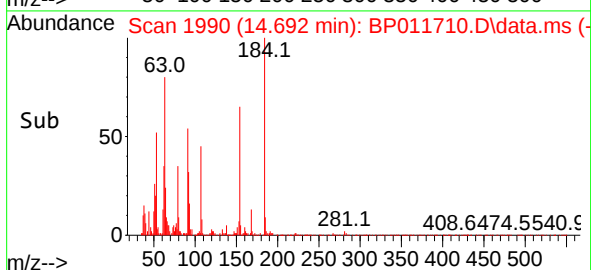
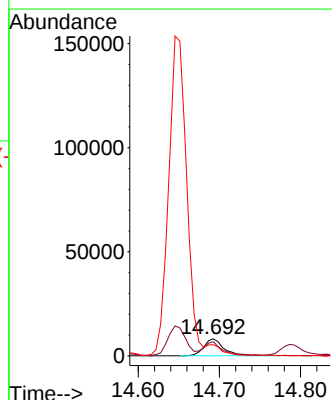
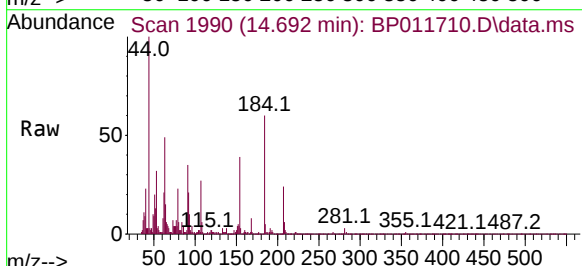
Tgt Ion:184 Resp: 14207

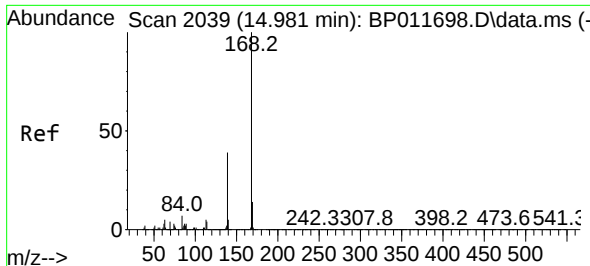
Ion Ratio Lower Upper

184 100

63 82.8 65.4 98.2

154 65.1 55.4 83.2

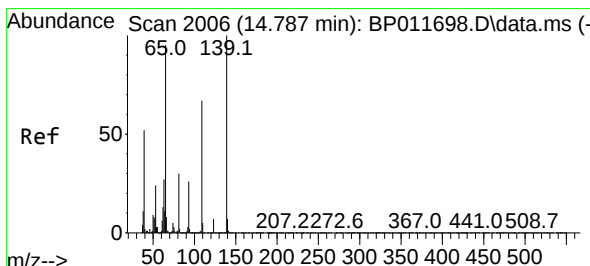
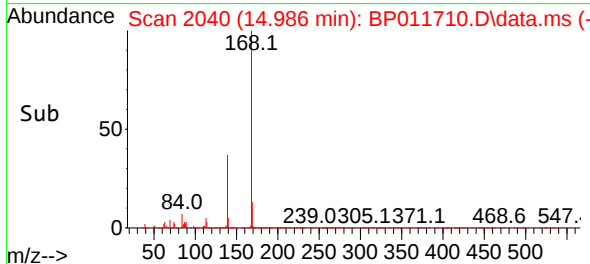
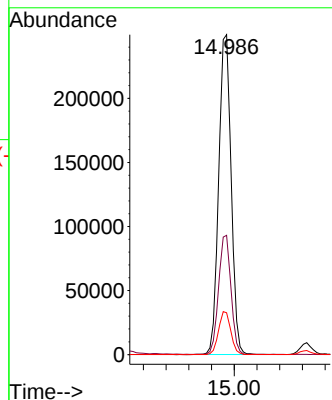
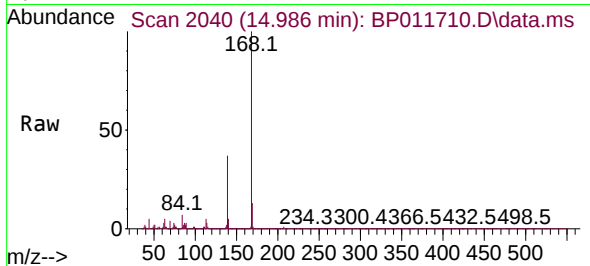




#55
Dibenzofuran
Concen: 5.916 ng
RT: 14.986 min Scan# 2039
Delta R.T. 0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

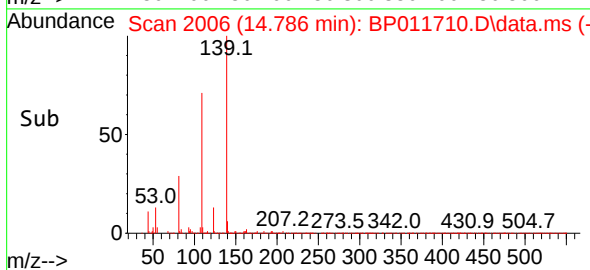
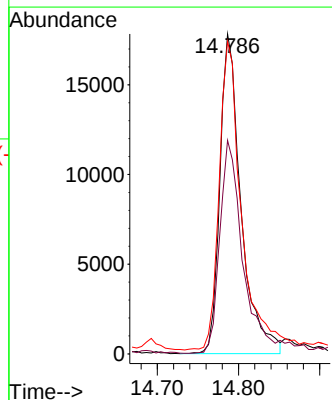
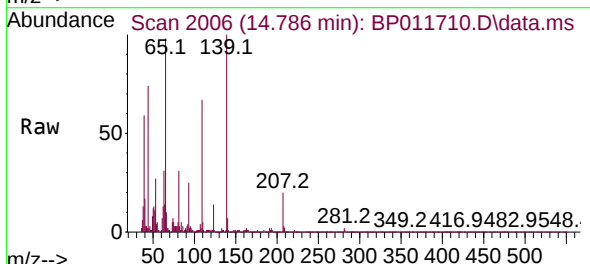
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

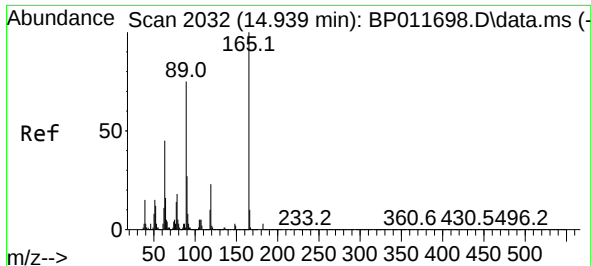
Tgt Ion:168 Resp: 377752
Ion Ratio Lower Upper
168 100
139 37.3 31.5 47.3
169 13.1 10.3 15.5



#56
4-Nitrophenol
Concen: 3.110 ng
RT: 14.786 min Scan# 2006
Delta R.T. -0.001 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:139 Resp: 32178
Ion Ratio Lower Upper
139 100
109 66.7 70.6 110.6#
65 97.7 106.6 146.6#

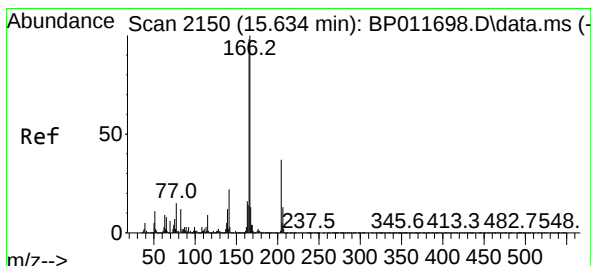
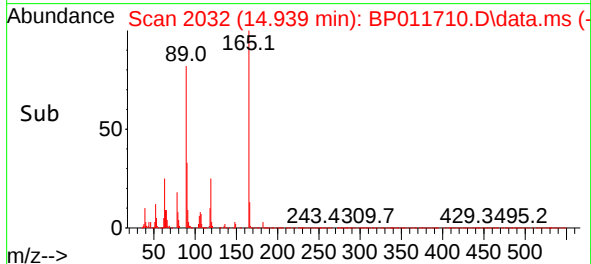
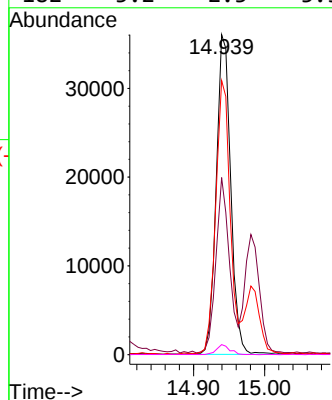
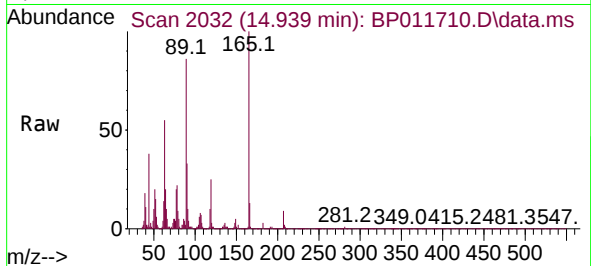




#57
2,4-Dinitrotoluene
Concen: 3.712 ng
RT: 14.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

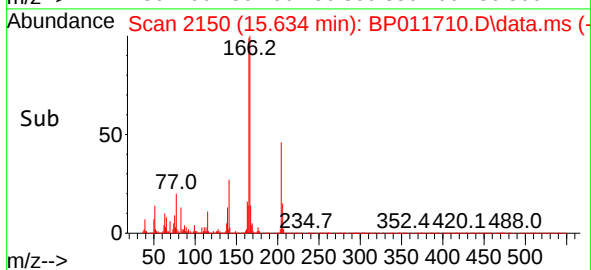
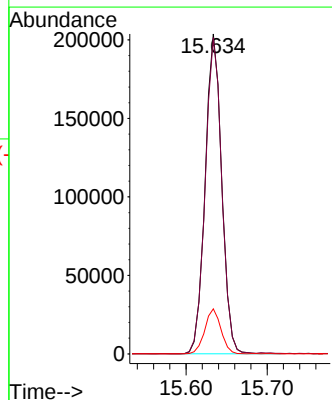
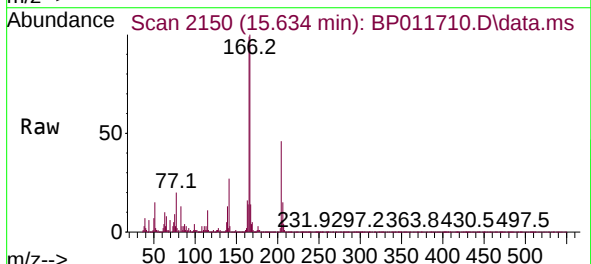
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

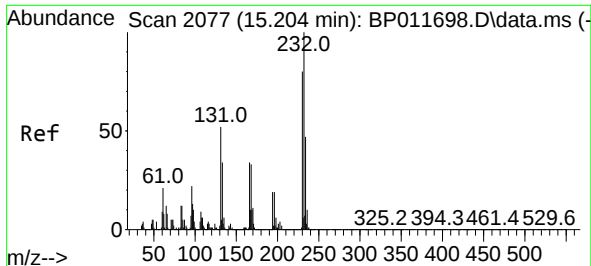
Tgt Ion:	165	Resp:	51187
Ion Ratio	Lower	Upper	
165	100		
63	55.3	46.2	69.2
89	85.6	65.8	98.8
182	3.2	2.3	3.5



#58
Fluorene
Concen: 5.572 ng
RT: 15.634 min Scan# 2150
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:	166	Resp:	288532
Ion Ratio	Lower	Upper	
166	100		
165	98.8	77.0	115.4
167	14.1	10.9	16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.227 ng

RT: 15.210 min Scan# 2077

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:232 Resp: 52454

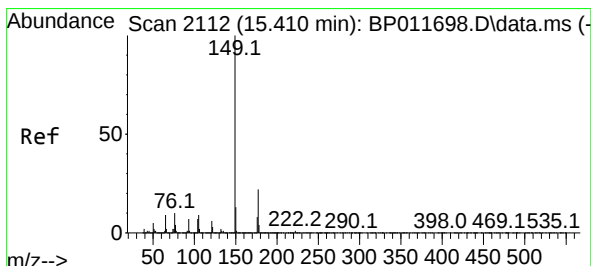
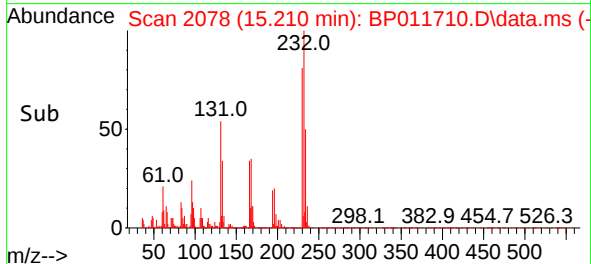
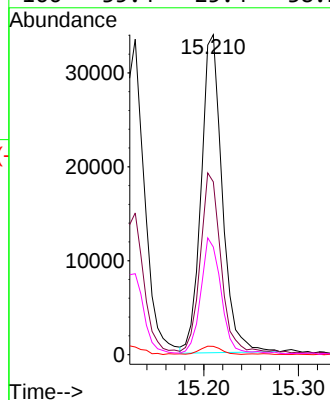
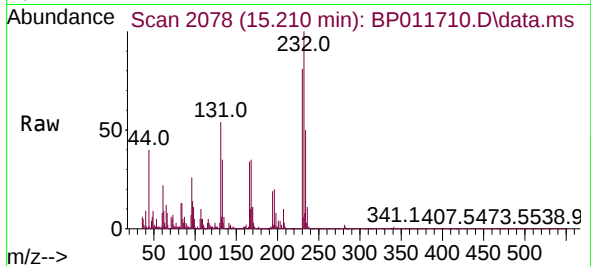
Ion Ratio Lower Upper

232 100

131 54.4 37.0 55.6

130 2.8 2.2 3.2

166 35.4 25.4 38.2



#60

Diethylphthalate

Concen: 5.227 ng

RT: 15.404 min Scan# 2111

Delta R.T. -0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

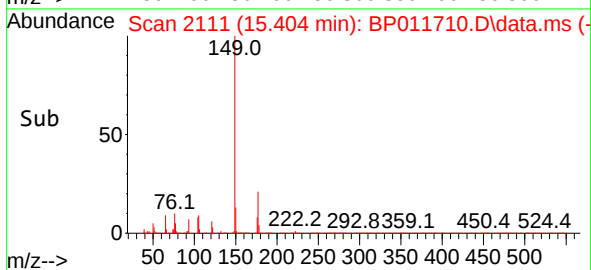
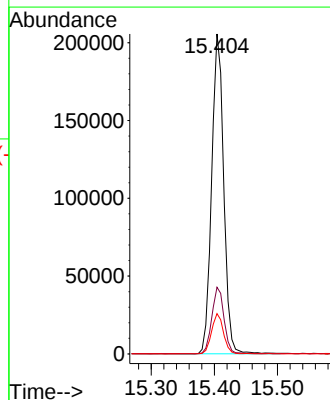
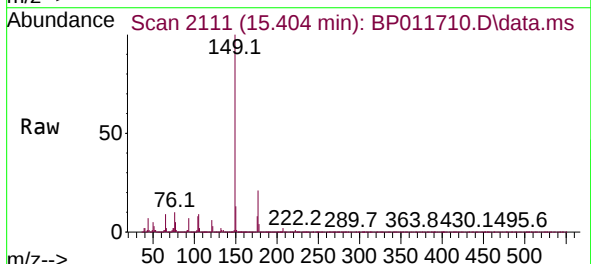
Tgt Ion:149 Resp: 273247

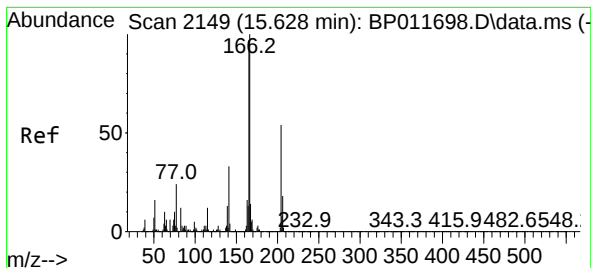
Ion Ratio Lower Upper

149 100

177 20.8 17.8 26.8

150 12.6 9.9 14.9

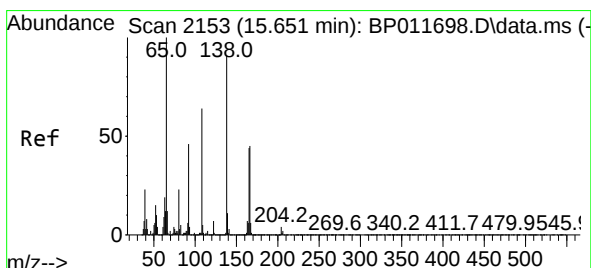
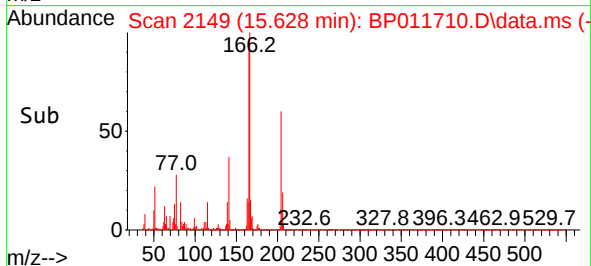
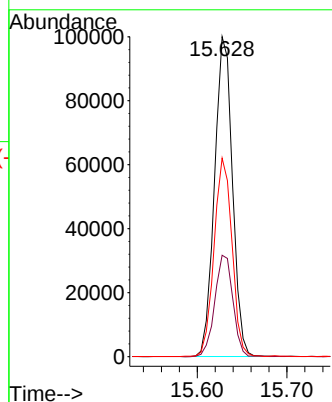
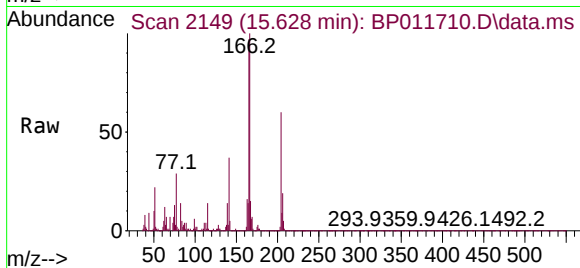




#61
4-Chlorophenyl-phenylether
Concen: 5.814 ng
RT: 15.628 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

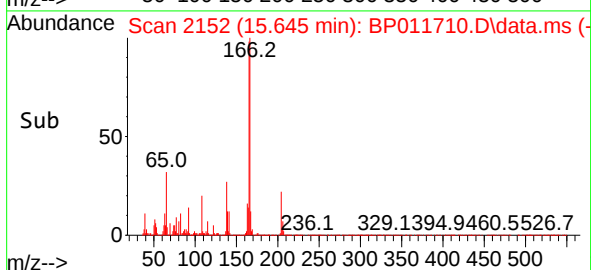
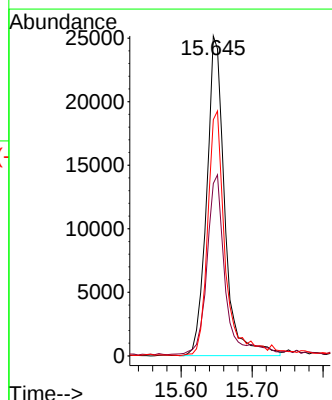
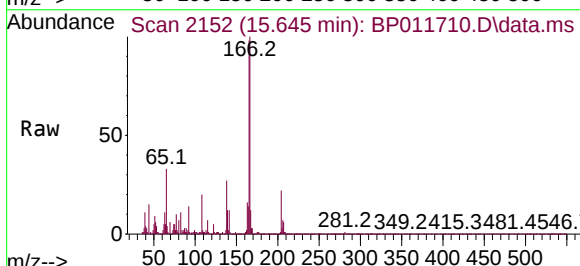
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

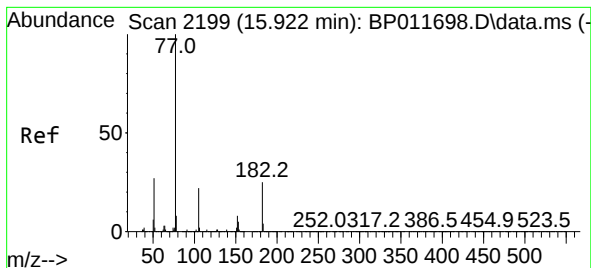
Tgt Ion:204 Resp: 139179
Ion Ratio Lower Upper
204 100
206 31.7 26.3 39.5
141 62.0 51.1 76.7



#62
4-Nitroaniline
Concen: 3.609 ng
RT: 15.645 min Scan# 2152
Delta R.T. -0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:138 Resp: 44535
Ion Ratio Lower Upper
138 100
92 53.9 38.0 78.0
108 73.8 77.6 117.6#





#63

Azobenzene

Concen: 4.849 ng

RT: 15.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion: 77 Resp: 243588

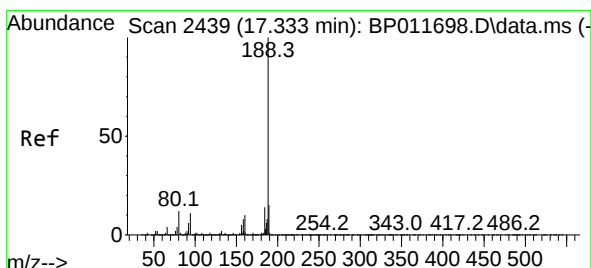
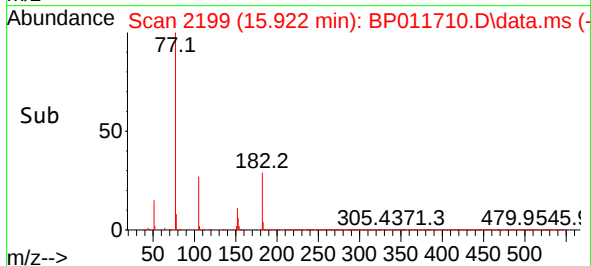
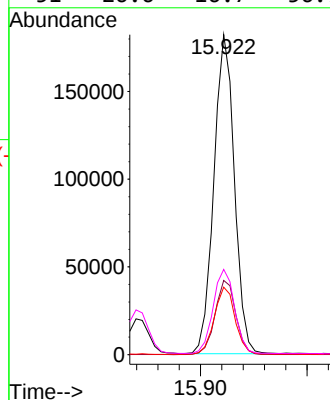
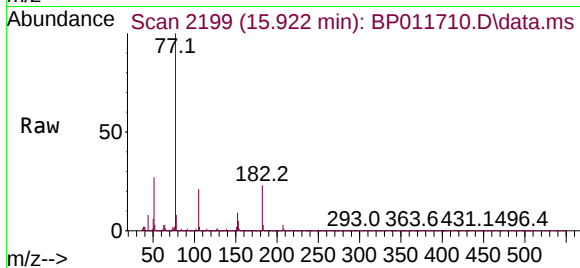
Ion Ratio Lower Upper

77 100

182 23.2 3.0 43.0

105 21.1 0.0 38.6

51 26.6 16.7 56.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.339 min Scan# 2440

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

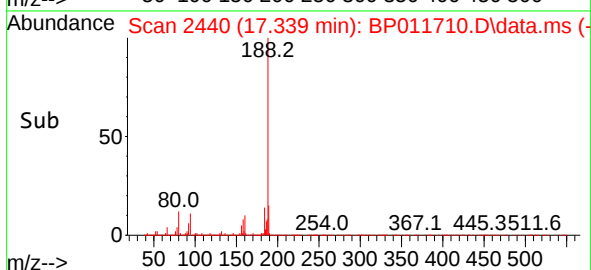
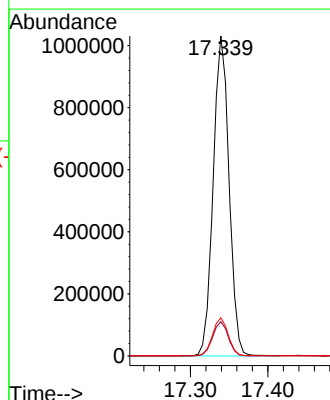
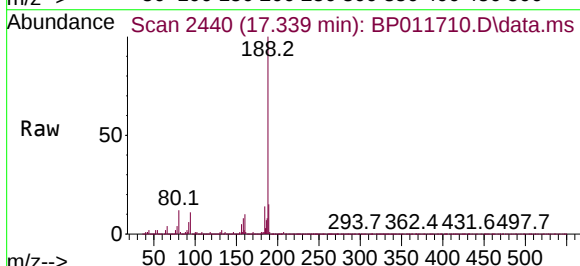
Tgt Ion:188 Resp: 1462848

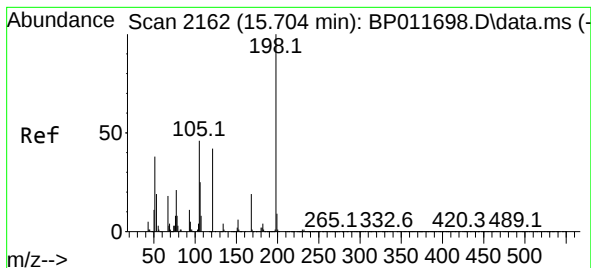
Ion Ratio Lower Upper

188 100

94 10.7 6.6 10.0#

80 11.9 8.0 12.0

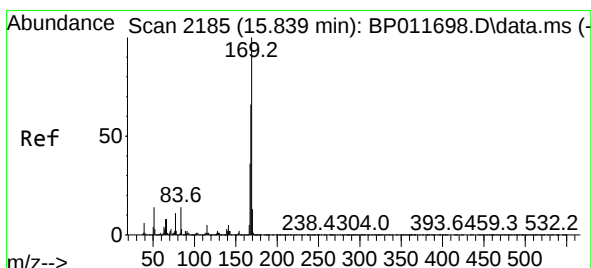
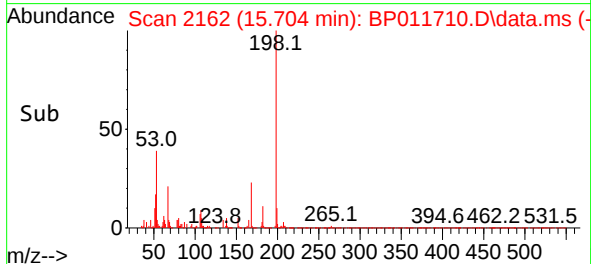
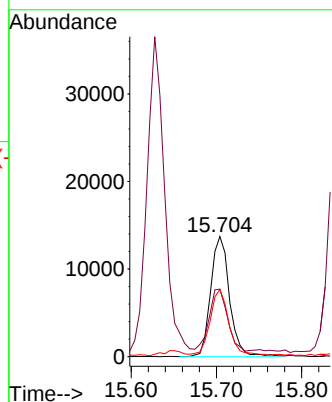
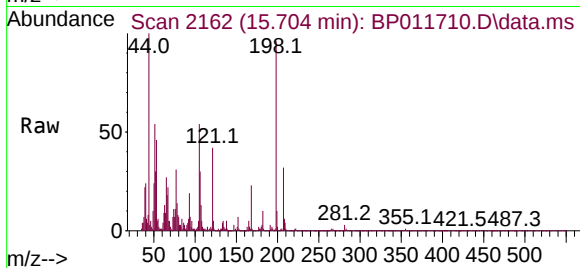




#65
4,6-Dinitro-2-methylphenol
Concen: 2.934 ng
RT: 15.704 min Scan# 2162
Delta R.T. 0.000 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

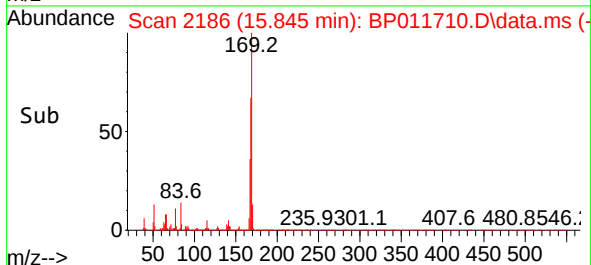
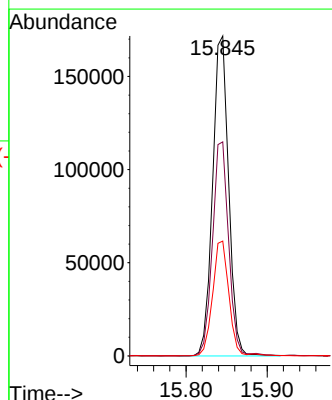
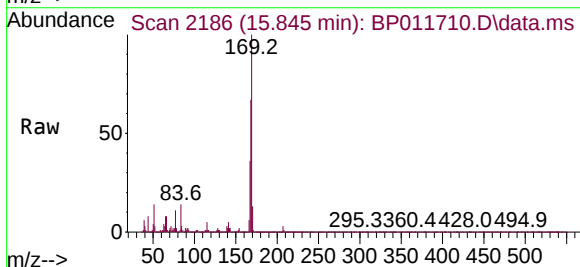
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

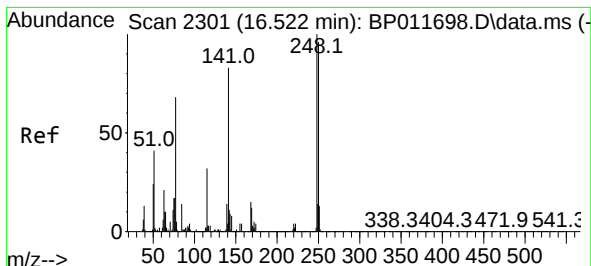
Tgt Ion:198	Resp:	20991
Ion Ratio	Lower	Upper
198	100	
51	56.1	41.2 81.2
105	55.8	25.3 65.3



#66
n-Nitrosodiphenylamine
Concen: 5.414 ng
RT: 15.845 min Scan# 2186
Delta R.T. 0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:169	Resp:	235650
Ion Ratio	Lower	Upper
169	100	
168	66.9	51.8 77.8
167	35.9	28.3 42.5

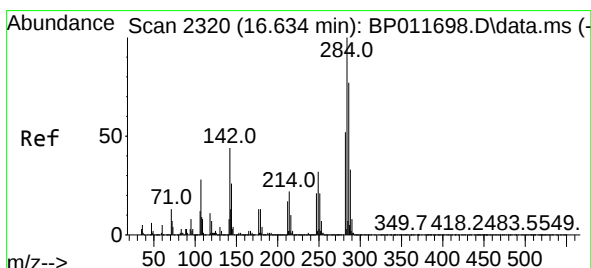
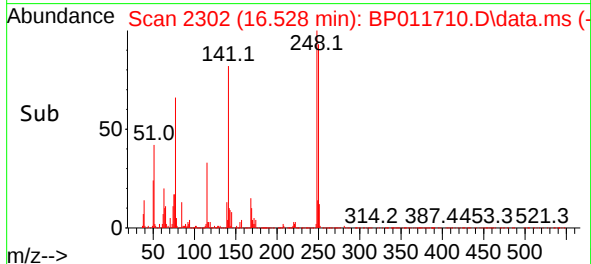
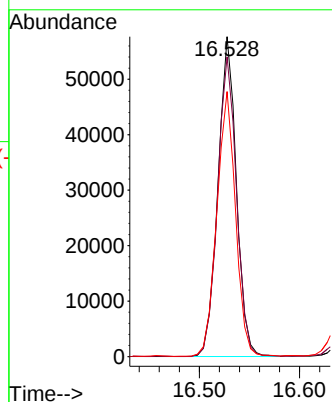
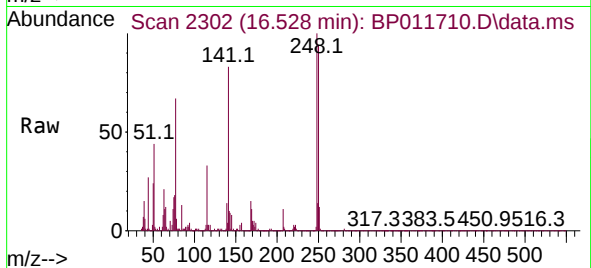




#67
4-Bromophenyl-phenylether
Concen: 5.381 ng
RT: 16.528 min Scan# 2301
Delta R.T. 0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

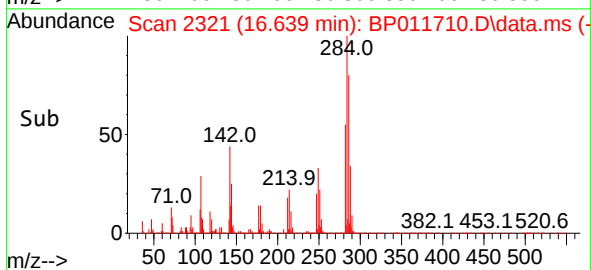
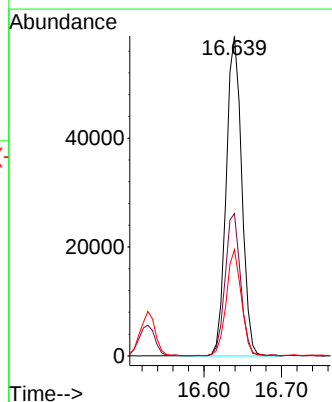
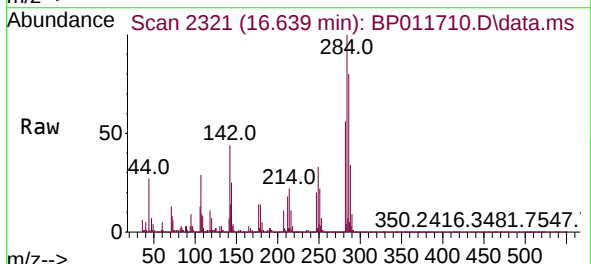
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

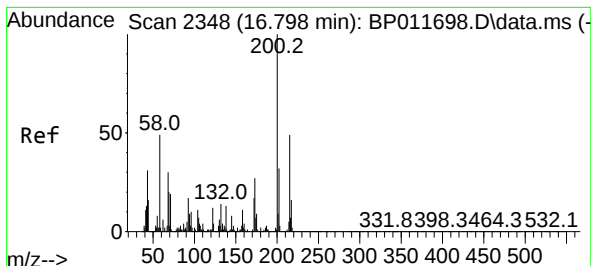
Tgt Ion:248 Resp: 73681
Ion Ratio Lower Upper
248 100
250 93.7 77.7 116.5
141 82.8 62.0 93.0



#68
Hexachlorobenzene
Concen: 5.560 ng
RT: 16.639 min Scan# 2321
Delta R.T. 0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:284 Resp: 81998
Ion Ratio Lower Upper
284 100
142 44.5 30.8 46.2
249 33.2 26.8 40.2





#69

Atrazine

Concen: 5.008 ng

RT: 16.798 min Scan# 2348

Delta R.T. -0.000 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

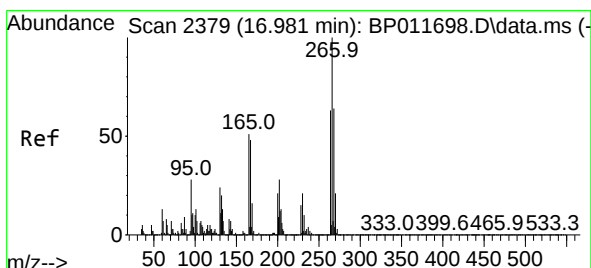
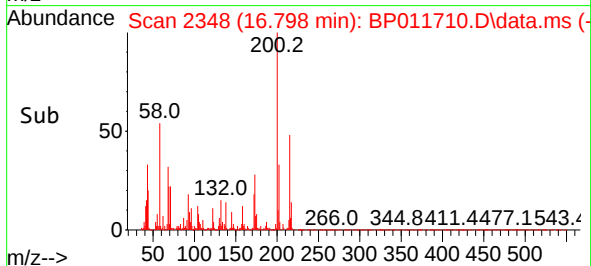
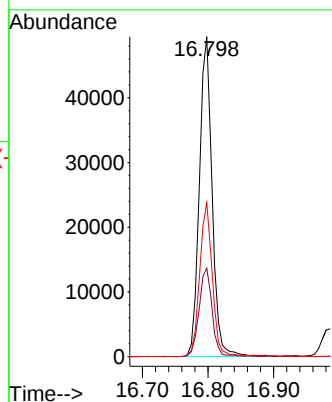
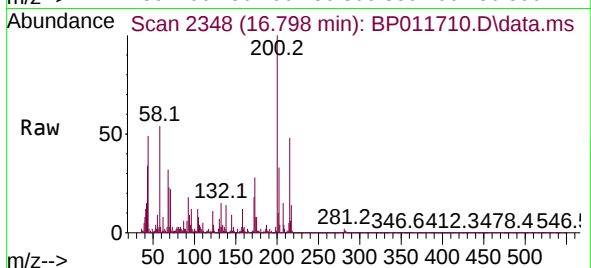
Tgt Ion:200 Resp: 66532

Ion Ratio Lower Upper

200 100

173 27.7 5.3 45.3

215 48.1 29.4 69.4



#70

Pentachlorophenol

Concen: 3.816 ng

RT: 16.986 min Scan# 2380

Delta R.T. 0.005 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

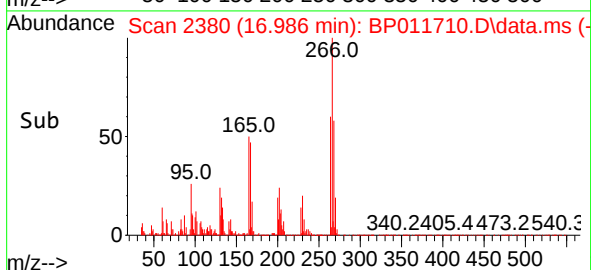
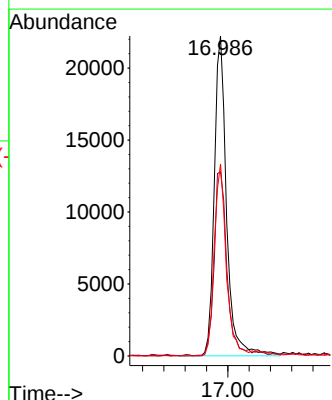
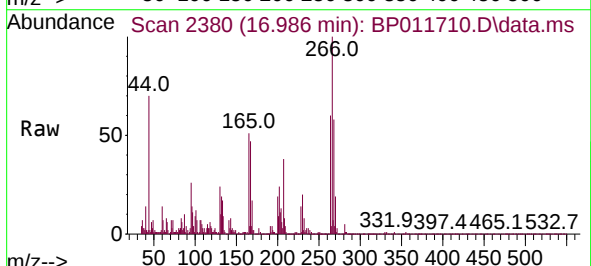
Tgt Ion:266 Resp: 35702

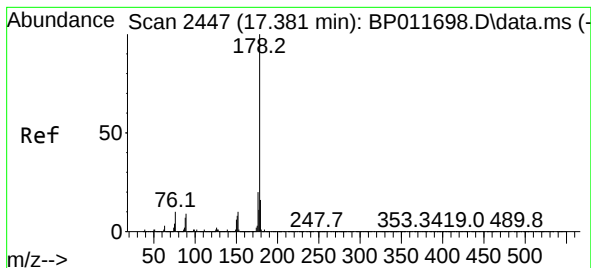
Ion Ratio Lower Upper

266 100

268 57.5 50.5 75.7

264 60.0 50.4 75.6





#71

Phenanthrene

Concen: 5.639 ng

RT: 17.380 min Scan# 2447

Delta R.T. -0.000 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

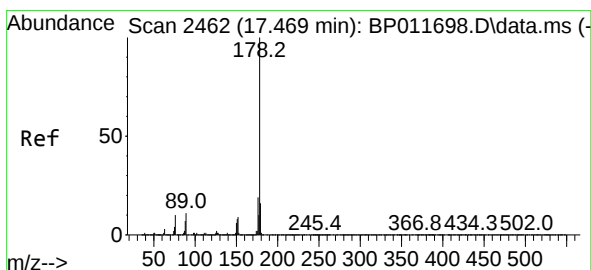
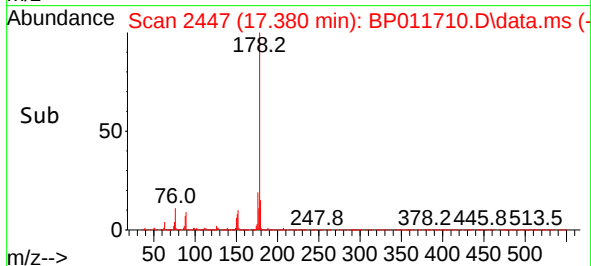
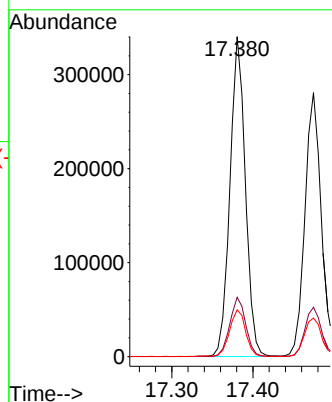
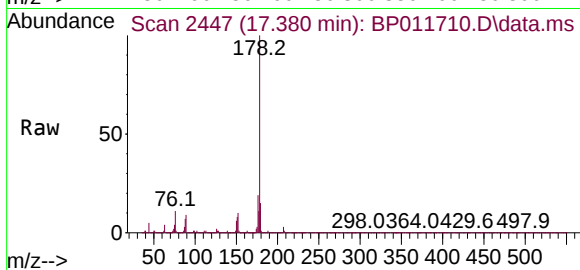
Tgt Ion:178 Resp: 448847

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

179 14.6 12.2 18.2



#72

Anthracene

Concen: 5.340 ng

RT: 17.475 min Scan# 2463

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

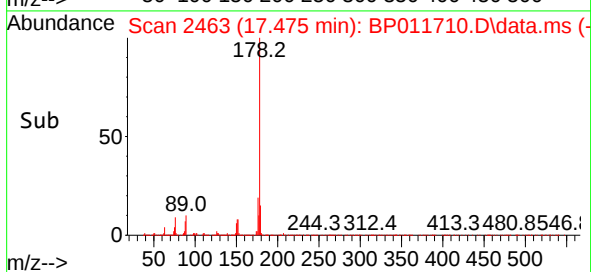
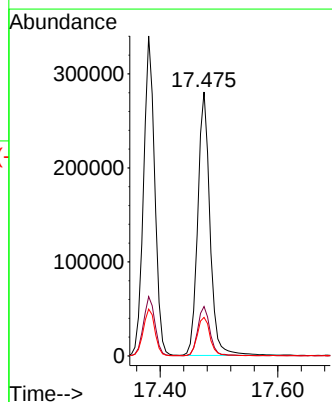
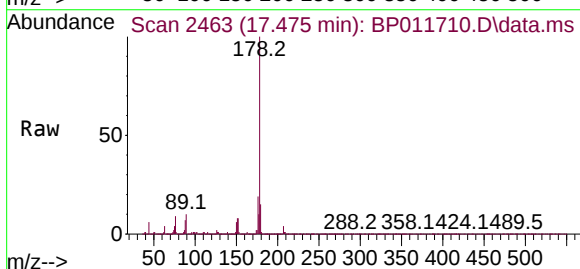
Tgt Ion:178 Resp: 402039

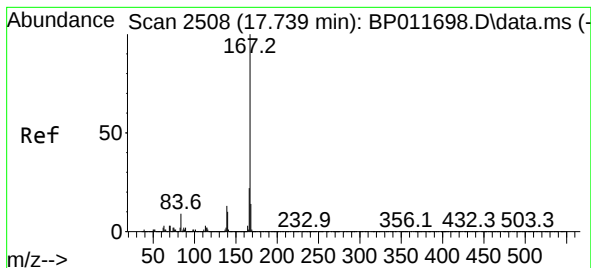
Ion Ratio Lower Upper

178 100

176 18.7 14.5 21.7

179 14.6 12.2 18.4





#73

Carbazole

Concen: 5.265 ng

RT: 17.745 min Scan# 2508

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

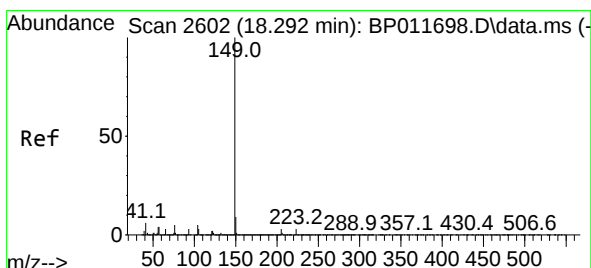
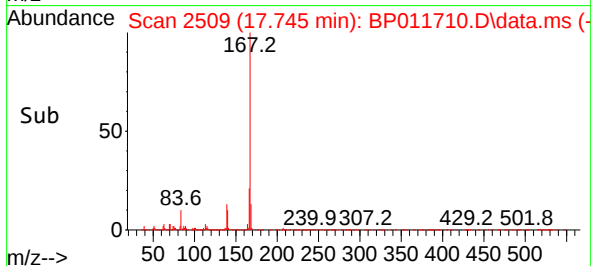
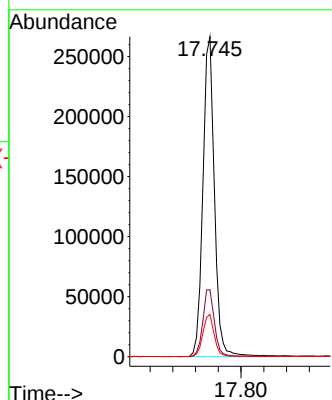
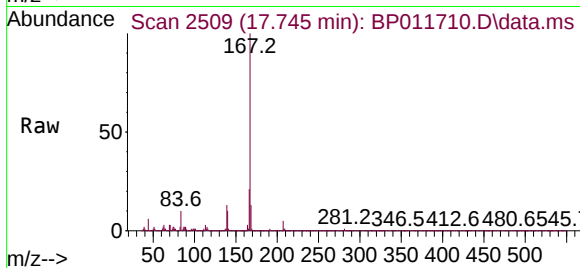
Tgt Ion:167 Resp: 373959

Ion Ratio Lower Upper

167 100

166 20.9 16.9 25.3

139 13.2 10.6 15.8



#74

Di-n-butylphthalate

Concen: 4.436 ng

RT: 18.292 min Scan# 2602

Delta R.T. -0.000 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

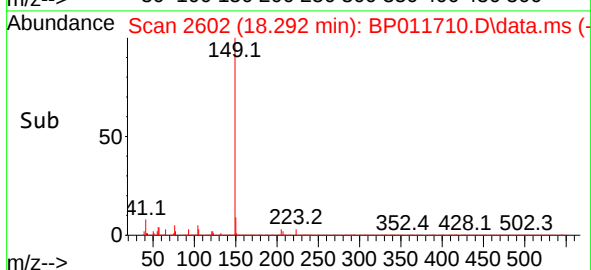
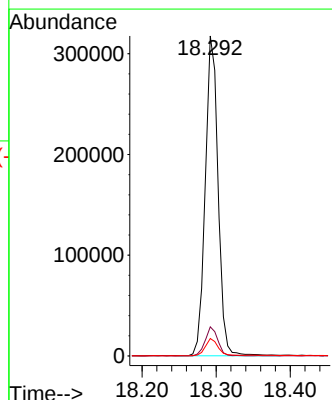
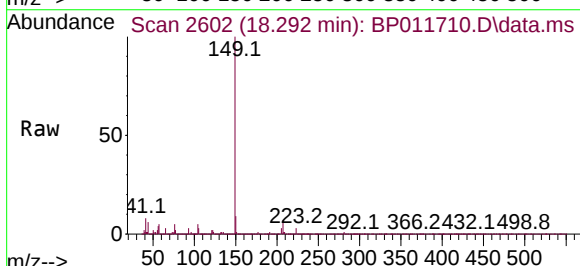
Tgt Ion:149 Resp: 379769

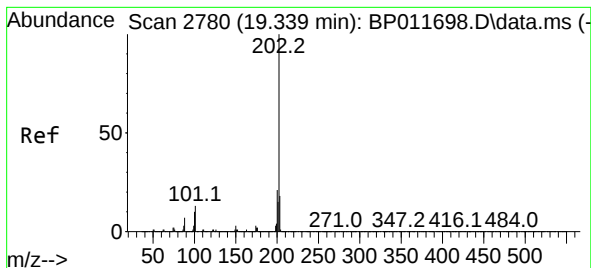
Ion Ratio Lower Upper

149 100

150 9.1 7.5 11.3

104 5.4 4.8 7.2





#75

Fluoranthene

Concen: 5.207 ng

RT: 19.345 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

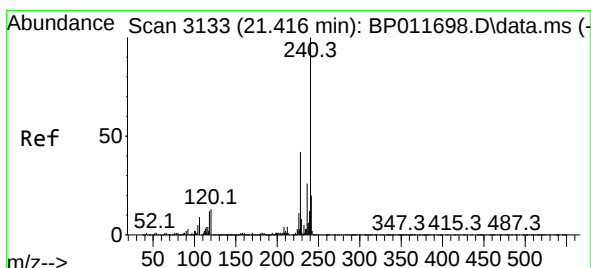
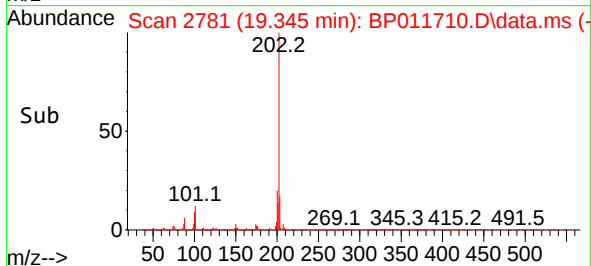
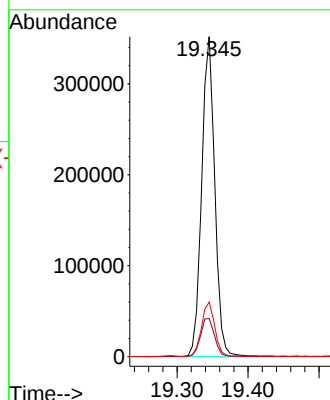
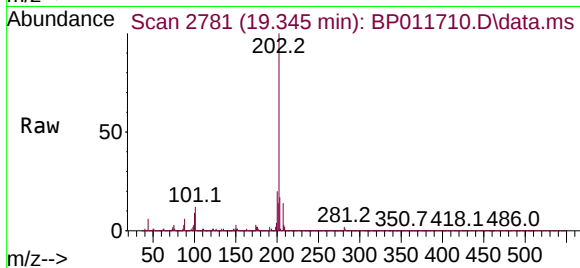
Tgt Ion:202 Resp: 446980

Ion Ratio Lower Upper

202 100

101 11.9 0.0 29.6

203 17.0 0.0 36.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.421 min Scan# 3134

Delta R.T. 0.005 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

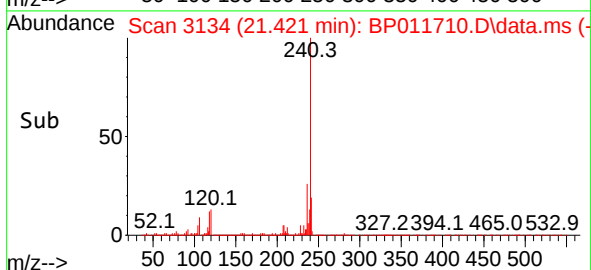
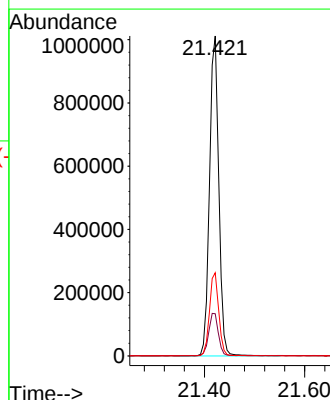
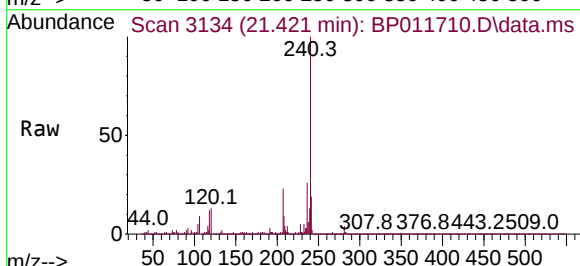
Tgt Ion:240 Resp: 1297031

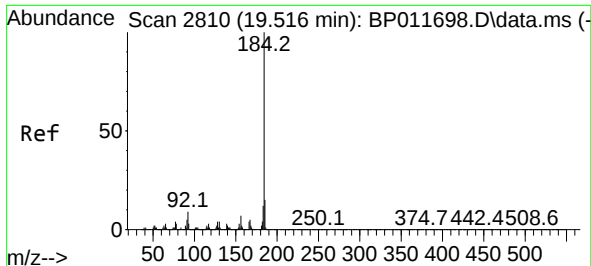
Ion Ratio Lower Upper

240 100

120 13.2 8.6 12.8#

236 26.0 19.8 29.6

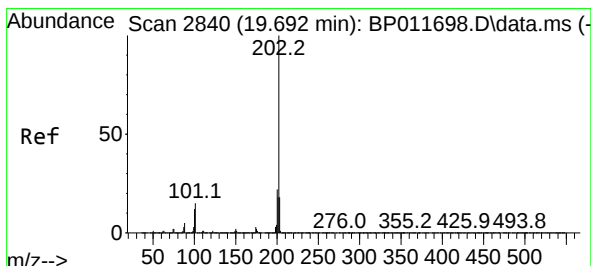
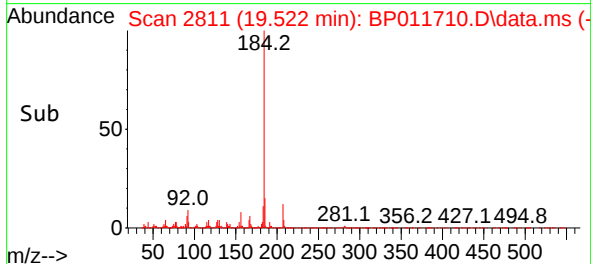
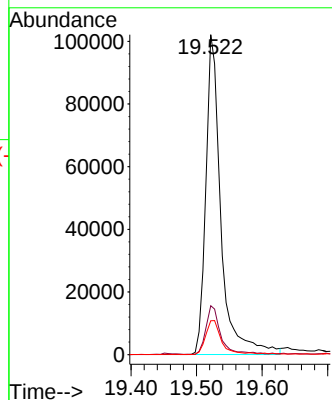
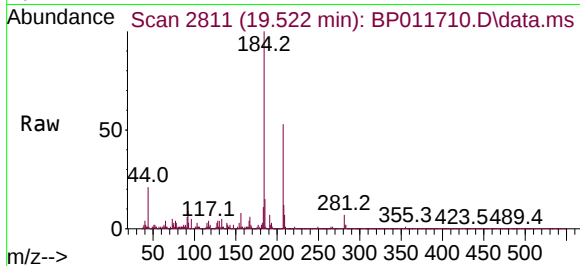




#77
Benzidine
Concen: 5.279 ng
RT: 19.522 min Scan# 2811
Delta R.T. 0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

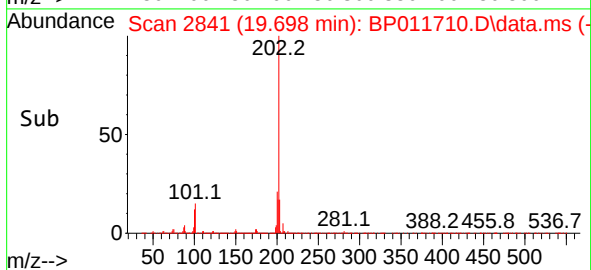
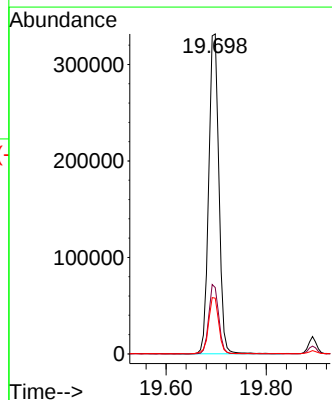
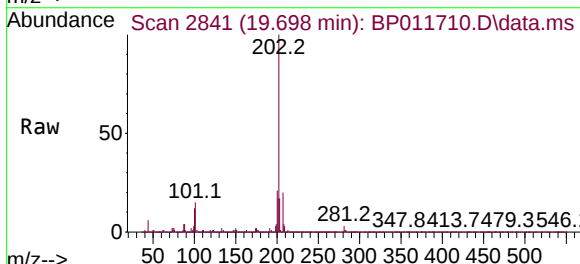
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

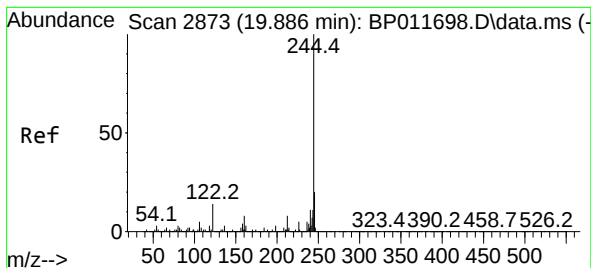
Tgt Ion:184 Resp: 162827
Ion Ratio Lower Upper
184 100
185 15.3 10.7 16.1
183 10.6 9.0 13.6



#78
Pyrene
Concen: 5.335 ng
RT: 19.698 min Scan# 2841
Delta R.T. 0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:202 Resp: 466720
Ion Ratio Lower Upper
202 100
200 20.7 16.3 24.5
203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 91.192 ng

RT: 19.892 min Scan# 2873

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

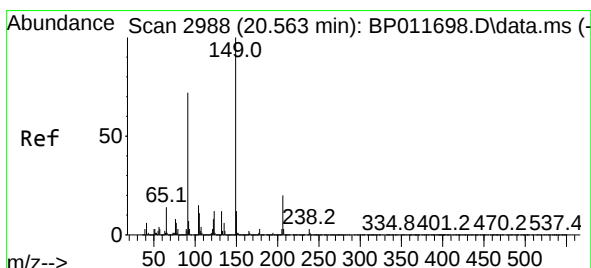
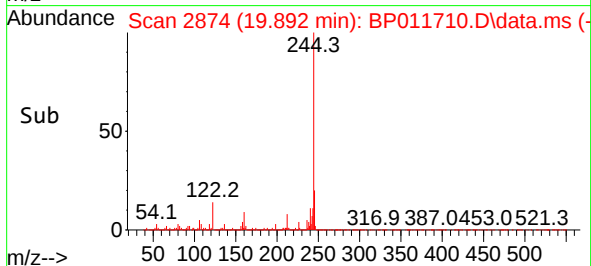
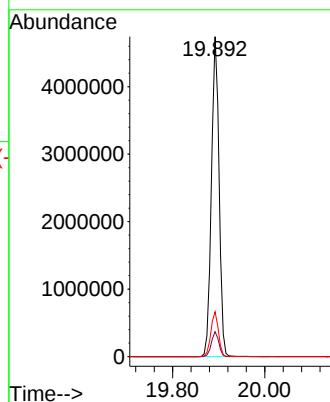
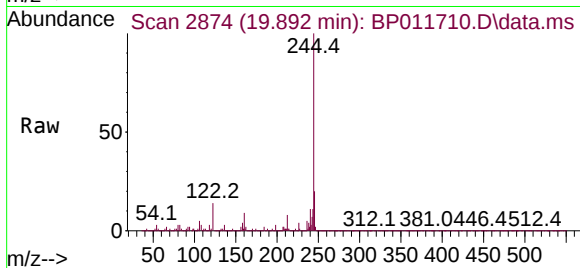
Tgt Ion:244 Resp: 5439131

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

122 14.0 7.6 11.4#



#80

Butylbenzylphthalate

Concen: 3.946 ng

RT: 20.569 min Scan# 2989

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

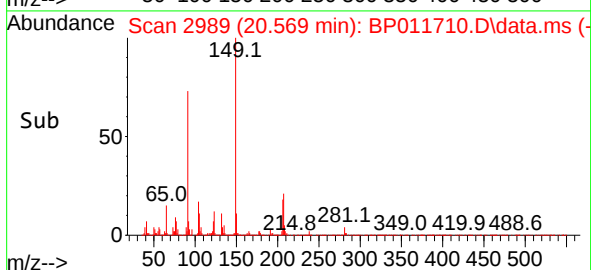
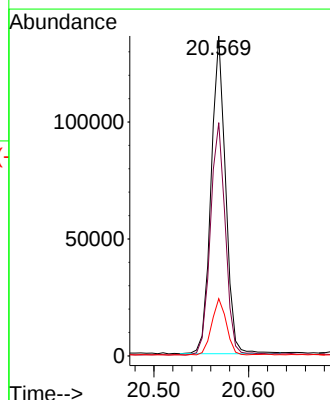
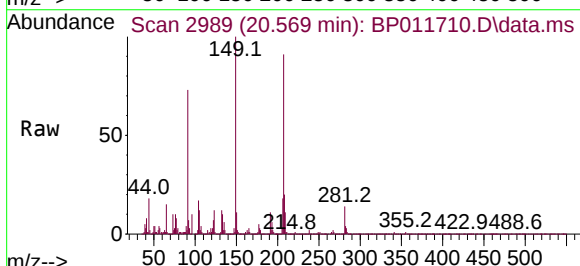
Tgt Ion:149 Resp: 144651

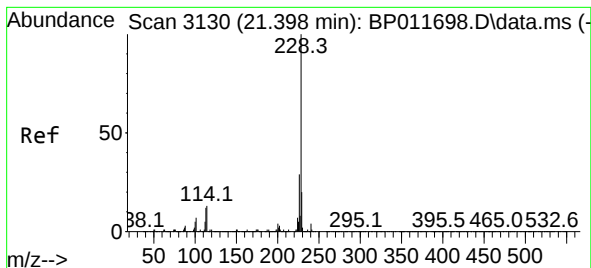
Ion Ratio Lower Upper

149 100

91 72.9 62.5 93.7

206 17.9 17.0 25.4





#81

Benzo(a)anthracene

Concen: 5.402 ng

RT: 21.404 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

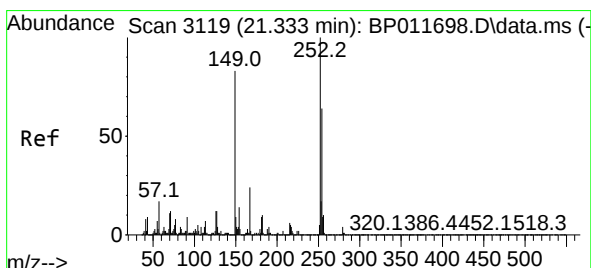
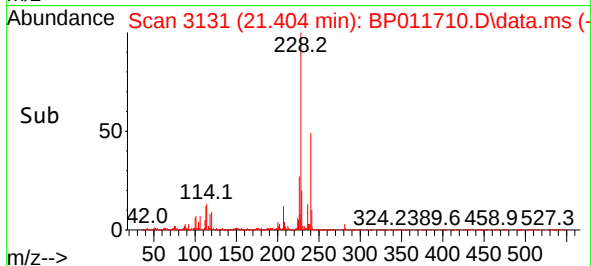
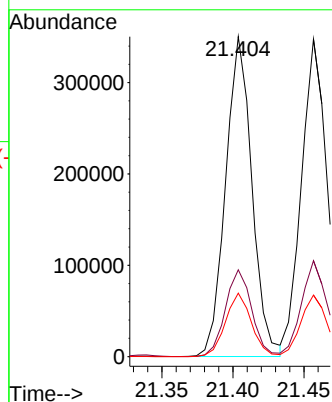
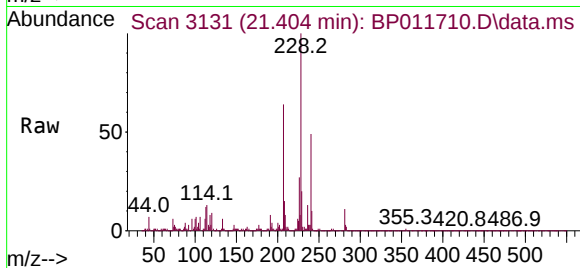
Tgt Ion:228 Resp: 451645

Ion Ratio Lower Upper

228 100

226 27.1 20.8 31.2

229 19.8 15.2 22.8



#82

3,3'-Dichlorobenzidine

Concen: 5.320 ng

RT: 21.339 min Scan# 3120

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

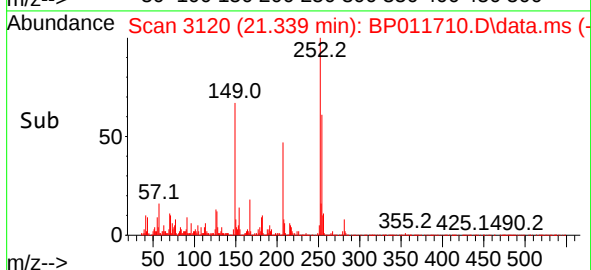
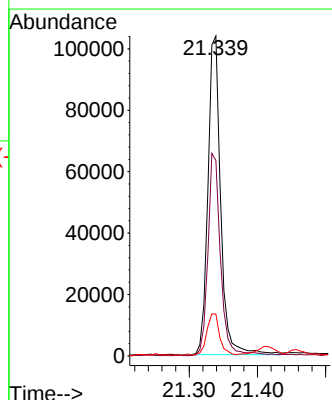
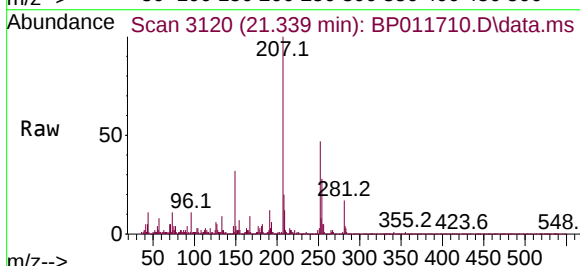
Tgt Ion:252 Resp: 135081

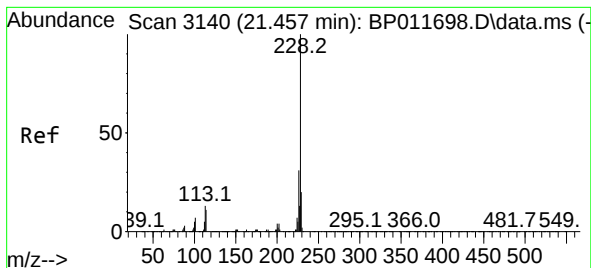
Ion Ratio Lower Upper

252 100

254 61.1 51.1 76.7

126 13.1 8.4 12.6#





#83

Chrysene

Concen: 5.528 ng

RT: 21.457 min Scan# 3118

Delta R.T. -0.000 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

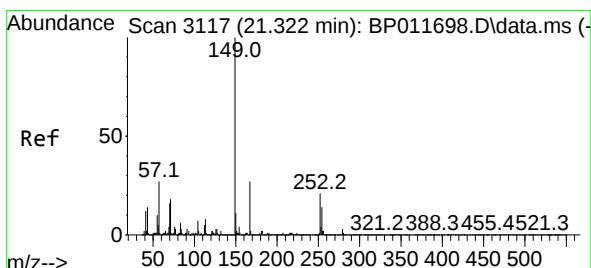
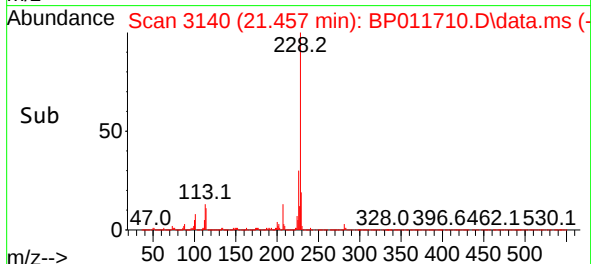
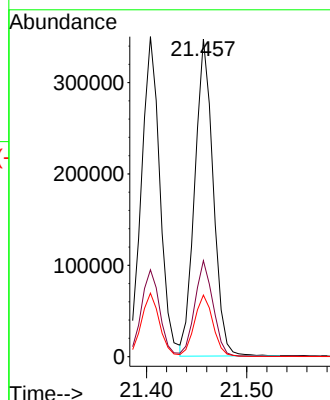
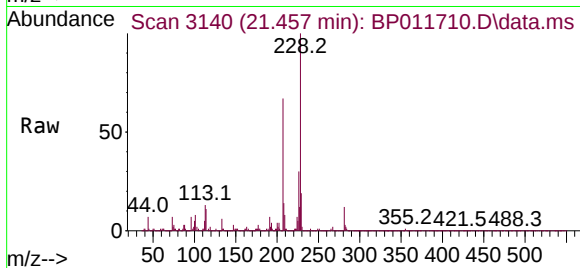
Tgt Ion:228 Resp: 441560

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.2

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.937 ng

RT: 21.327 min Scan# 3118

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

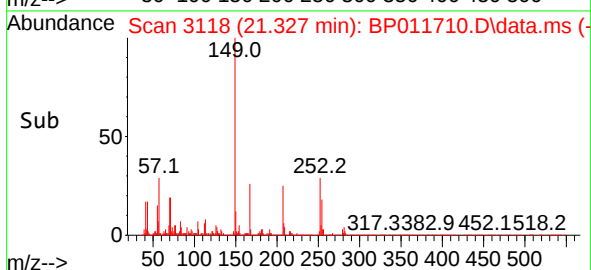
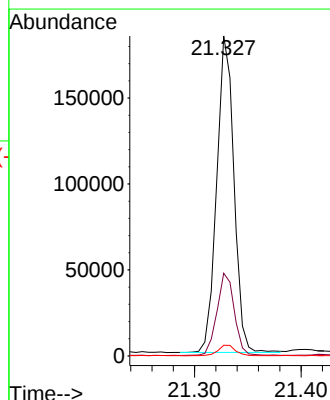
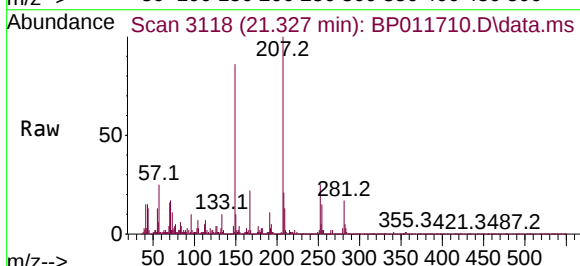
Tgt Ion:149 Resp: 207599

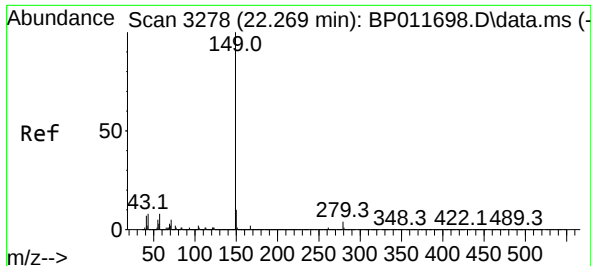
Ion Ratio Lower Upper

149 100

167 25.8 21.8 32.8

279 3.3 3.7 5.5#

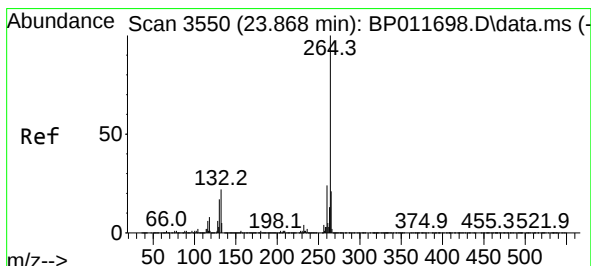
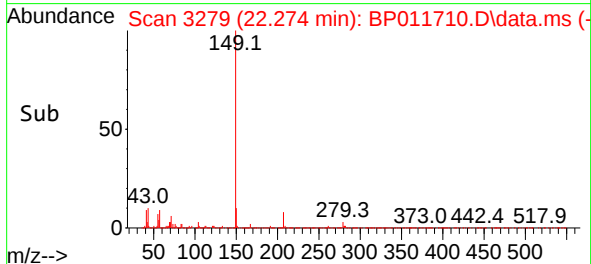
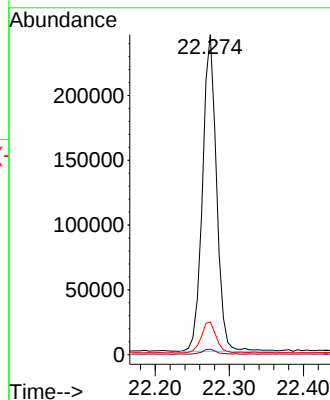
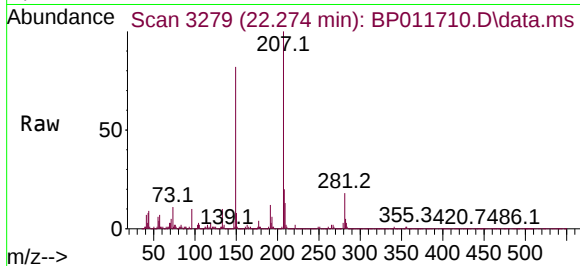




#85
Di-n-octyl phthalate
Concen: 3.547 ng
RT: 22.274 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

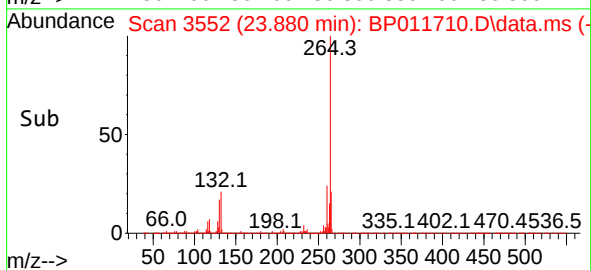
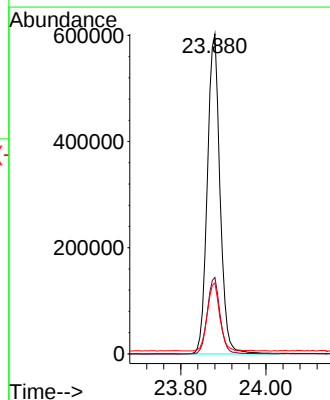
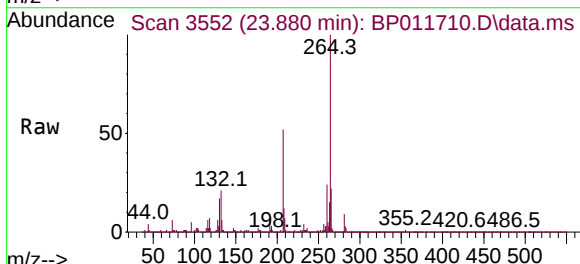
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT3-2022

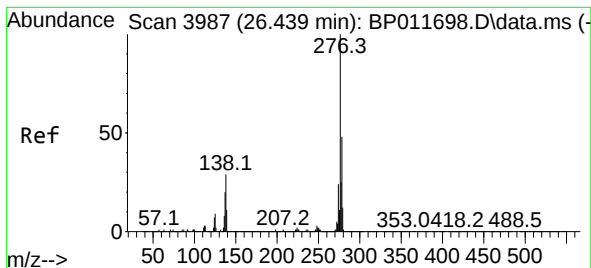
Tgt Ion:149 Resp: 320975
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 10.5 10.0 15.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.880 min Scan# 3552
Delta R.T. 0.012 min
Lab File: BP011710.D
Acq: 15 Sep 2022 15:45

Tgt Ion:264 Resp: 1242551
Ion Ratio Lower Upper
264 100
260 23.9 19.3 28.9
265 22.2 18.0 27.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.058 ng

RT: 26.445 min Scan# 3987

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

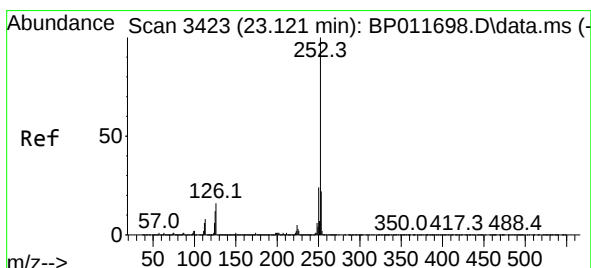
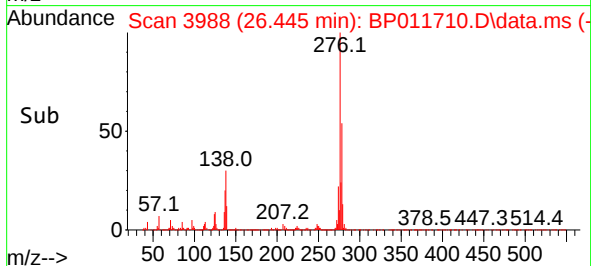
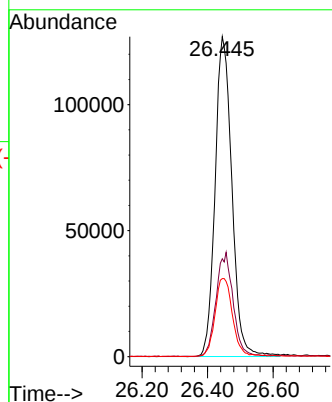
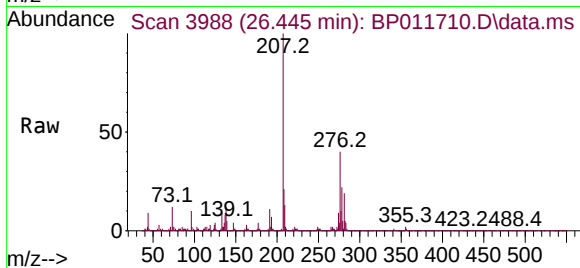
Tgt Ion:276 Resp: 452800

Ion Ratio Lower Upper

276 100

138 33.0 17.5 26.3#

277 25.5 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 5.701 ng

RT: 23.127 min Scan# 3424

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

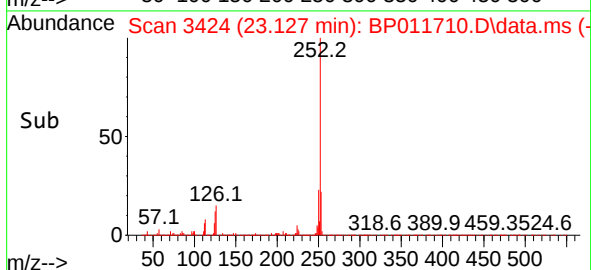
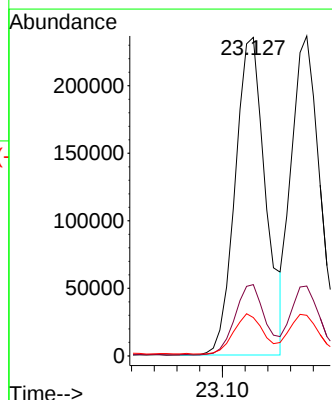
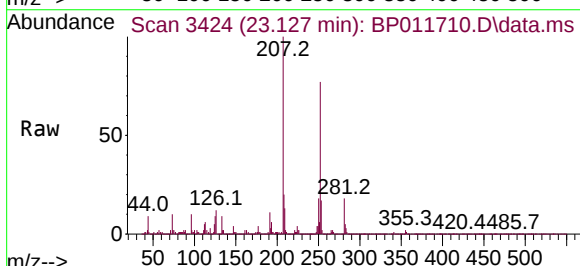
Tgt Ion:252 Resp: 438119

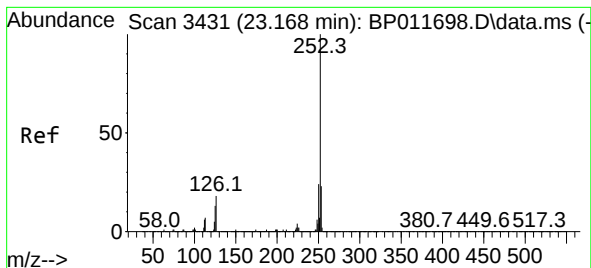
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 12.0 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 5.373 ng

RT: 23.174 min Scan# 34

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

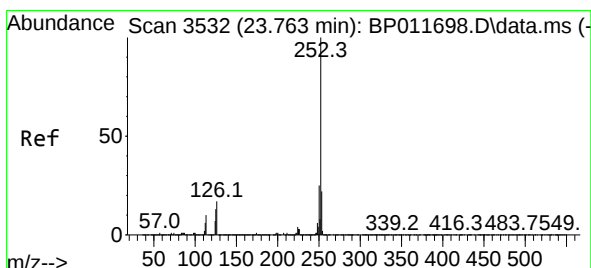
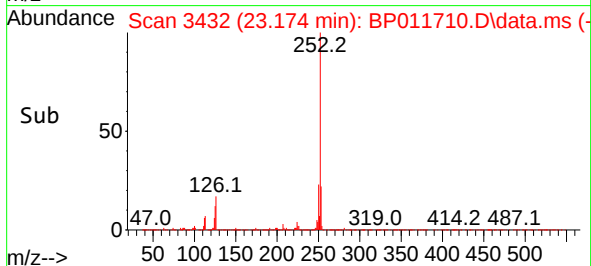
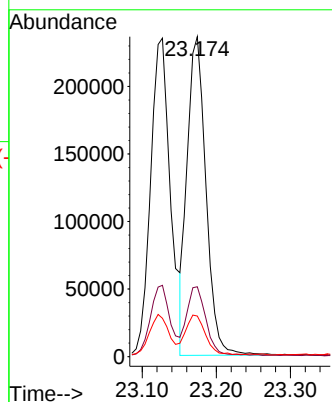
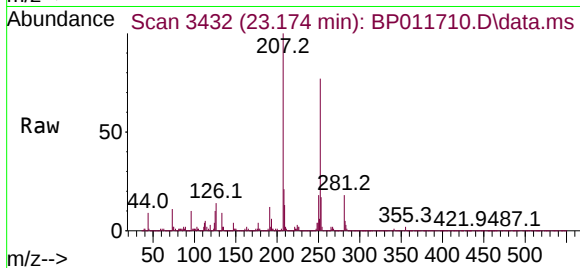
Tgt Ion:252 Resp: 416109

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

125 12.7 7.0 10.4#



#90

Benzo(a)pyrene

Concen: 5.402 ng

RT: 23.768 min Scan# 3533

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

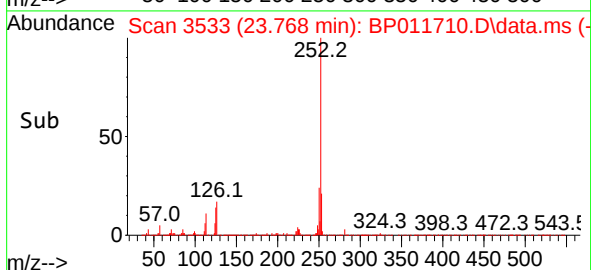
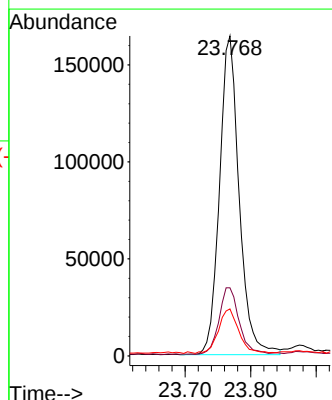
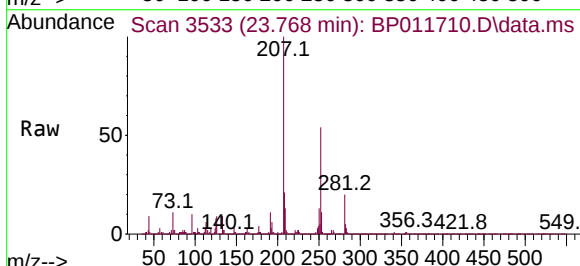
Tgt Ion:252 Resp: 342943

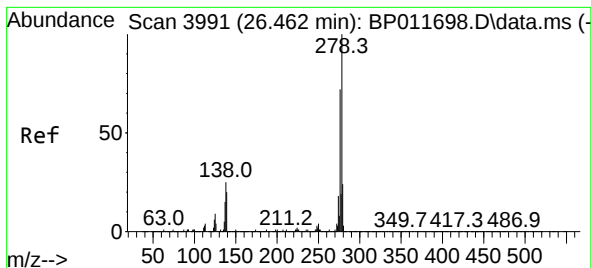
Ion Ratio Lower Upper

252 100

253 21.3 17.0 25.6

125 14.7 7.9 11.9#





#91

Dibenzo(a,h)anthracene

Concen: 5.437 ng

RT: 26.468 min Scan# 3991

Delta R.T. 0.006 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT3-2022

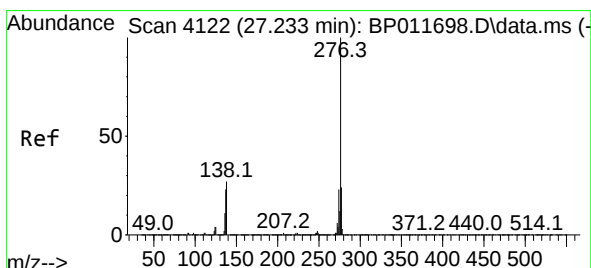
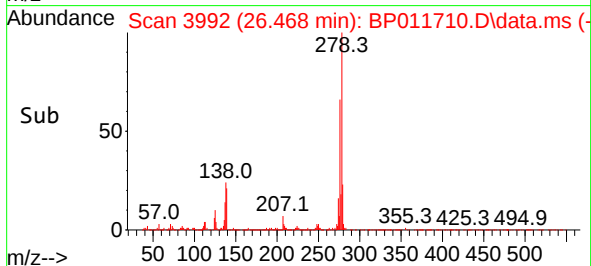
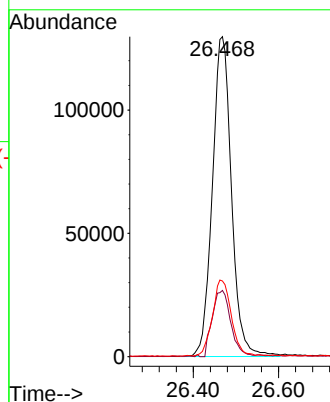
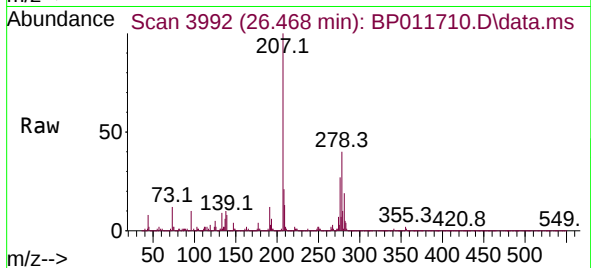
Tgt Ion:278 Resp: 404165

Ion Ratio Lower Upper

278 100

139 20.7 11.4 17.0#

279 23.6 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 5.455 ng

RT: 27.233 min Scan# 4122

Delta R.T. -0.000 min

Lab File: BP011710.D

Acq: 15 Sep 2022 15:45

Tgt Ion:276 Resp: 395337

Ion Ratio Lower Upper

276 100

277 24.6 18.7 28.1

138 29.0 15.2 22.8#

