

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111822\
 Data File : BP012669.D
 Acq On : 18 Nov 2022 11:20
 Operator : CG/JU
 Sample : N4955-01
 Misc : LOD-MDL-SOIL-8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

Quant Time: Nov 21 03:30:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 03:25:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.046	152	237494	20.000	ng	0.00
21) Naphthalene-d8	10.863	136	1027129	20.000	ng	0.00
39) Acenaphthene-d10	14.675	164	698442	20.000	ng	0.00
64) Phenanthrene-d10	17.433	188	1562545	20.000	ng	0.00
76) Chrysene-d12	21.516	240	1635623	20.000	ng	0.00
86) Perylene-d12	24.039	264	1618372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1309799	99.671	ng	0.00
7) Phenol-d6	7.187	99	1840496	100.564	ng	0.00
23) Nitrobenzene-d5	9.210	82	1323687	81.028	ng	0.00
42) 2,4,6-Tribromophenol	16.163	330	863201	107.995	ng	0.00
45) 2-Fluorobiphenyl	13.304	172	3664005	78.934	ng	0.00
79) Terphenyl-d14	19.980	244	6068773	80.167	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.446	88	39271	7.441	ng	97
3) Pyridine	3.858	79	107924	6.478	ng	99
4) n-Nitrosodimethylamine	3.764	42	50963	7.163	ng	# 77
6) Aniline	7.363	93	176931	7.674	ng	100
8) 2-Chlorophenol	7.599	128	124513	7.673	ng	98
9) Benzaldehyde	7.175	77	112895	10.577	ng	97
10) Phenol	7.210	94	153712	7.455	ng	96
11) bis(2-Chloroethyl)ether	7.457	93	127767	7.779	ng	97
12) 1,3-Dichlorobenzene	7.934	146	141745	7.871	ng	98
13) 1,4-Dichlorobenzene	8.081	146	146633	7.985	ng	99
14) 1,2-Dichlorobenzene	8.399	146	144428	8.196	ng	99
15) Benzyl Alcohol	8.275	79	92780	6.804	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.569	45	185552	8.007	ng	99
17) 2-Methylphenol	8.475	107	104639	7.319	ng	96
18) Hexachloroethane	9.134	117	51220	8.347	ng	99
19) n-Nitroso-di-n-propyla...	8.846	70	88250	7.094	ng	96
20) 3+4-Methylphenols	8.804	107	137043	6.842	ng	100
22) Acetophenone	8.863	105	215370	8.400	ng	# 99
24) Nitrobenzene	9.252	77	144225	8.176	ng	99
25) Isophorone	9.775	82	291277	7.927	ng	99
26) 2-Nitrophenol	9.963	139	46737	6.110	ng	95
27) 2,4-Dimethylphenol	10.016	122	120836	8.371	ng	97
28) bis(2-Chloroethoxy)met...	10.263	93	180489	8.636	ng	100
29) 2,4-Dichlorophenol	10.499	162	118639	7.071	ng	97
30) 1,2,4-Trichlorobenzene	10.722	180	141520	7.858	ng	99
31) Naphthalene	10.910	128	446594	7.909	ng	100
32) Benzoic acid	10.063	122	38533	3.409	ng	97
33) 4-Chloroaniline	11.016	127	170866	7.263	ng	100
34) Hexachlorobutadiene	11.198	225	85836	8.067	ng	95
35) Caprolactam	11.763	113	34730	6.357	ng	99
36) 4-Chloro-3-methylphenol	12.122	107	128997	7.162	ng	98
37) 2-Methylnaphthalene	12.510	142	322548	7.988	ng	99
38) 1-Methylnaphthalene	12.728	142	308708	7.780	ng	99
40) 1,2,4,5-Tetrachloroben...	12.875	216	171505	8.419	ng	99
41) Hexachlorocyclopentadiene	12.857	237	65828	8.496	ng	97
43) 2,4,6-Trichlorophenol	13.104	196	101614	7.006	ng	99

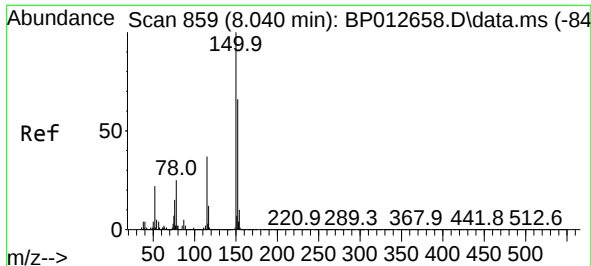
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 03:25:56 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.175	196	113687	7.085	ng	99
46) 1,1'-Biphenyl	13.516	154	440132	8.427	ng	99
47) 2-Chloronaphthalene	13.557	162	336280	8.109	ng	99
48) 2-Nitroaniline	13.751	65	41559	5.007	ng	98
49) Acenaphthylene	14.398	152	529793	7.827	ng	99
50) Dimethylphthalate	14.128	163	408134	7.419	ng	99
51) 2,6-Dinitrotoluene	14.239	165	57958	6.008	ng	89
52) Acenaphthene	14.739	154	330922	7.661	ng	97
53) 3-Nitroaniline	14.569	138	60170	5.446	ng	98
54) 2,4-Dinitrophenol	14.775	184	21718	4.054	ng	91
55) Dibenzofuran	15.075	168	528435	8.104	ng	98
56) 4-Nitrophenol	14.857	139	57413	5.552	ng	93
57) 2,4-Dinitrotoluene	15.028	165	68177	5.313	ng	97
58) Fluorene	15.722	166	432569	8.428	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.292	232	100081	6.928	ng	99
60) Diethylphthalate	15.492	149	390802	7.222	ng	98
61) 4-Chlorophenyl-phenylether	15.722	204	209702	8.500	ng	97
62) 4-Nitroaniline	15.728	138	55145	5.102	ng	95
63) Azobenzene	16.016	77	384832	7.783	ng	99
65) 4,6-Dinitro-2-methylph...	15.786	198	30127	3.926	ng	92
66) n-Nitrosodiphenylamine	15.928	169	349110	7.497	ng	100
67) 4-Bromophenyl-phenylether	16.616	248	117794	7.210	ng	99
68) Hexachlorobenzene	16.728	284	149998	7.916	ng	97
69) Atrazine	16.881	200	91747	7.477	ng	98
70) Pentachlorophenol	17.069	266	81104	6.595	ng	96
71) Phenanthrene	17.475	178	701688	7.917	ng	99
72) Anthracene	17.563	178	684360	8.003	ng	98
73) Carbazole	17.828	167	633220	7.797	ng	100
74) Di-n-butylphthalate	18.386	149	522303	6.169	ng	99
75) Fluoranthene	19.427	202	806868	7.684	ng	99
77) Benzidine	19.604	184	144343	6.419	ng	98
78) Pyrene	19.780	202	829883	7.180	ng	98
80) Butylbenzylphthalate	20.657	149	91151	4.369	ng	100
81) Benzo(a)anthracene	21.498	228	849552	7.409	ng	98
82) 3,3'-Dichlorobenzidine	21.421	252	142506	4.937	ng	97
83) Chrysene	21.551	228	812556	7.473	ng	99
84) Bis(2-ethylhexyl)phtha...	21.427	149	167573	4.432	ng	98
85) Di-n-octyl phthalate	22.404	149	283767	3.548	ng	# 91
87) Indeno(1,2,3-cd)pyrene	26.698	276	813152	6.902	ng	99
88) Benzo(b)fluoranthene	23.268	252	794907	7.419	ng	98
89) Benzo(k)fluoranthene	23.315	252	838072	7.872	ng	99
90) Benzo(a)pyrene	23.927	252	661560	7.440	ng	99
91) Dibenzo(a,h)anthracene	26.721	278	725369	7.445	ng	99
92) Benzo(g,h,i)perylene	27.503	276	683814	7.226	ng	99

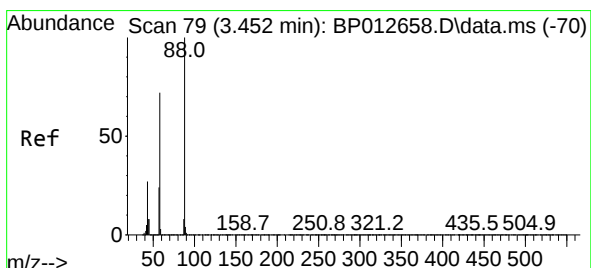
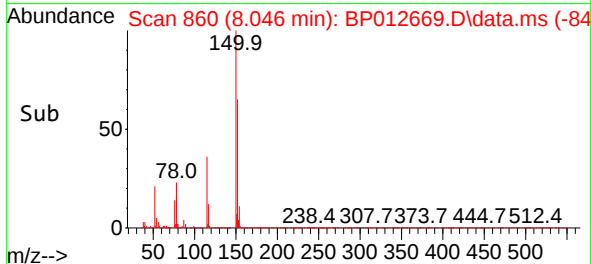
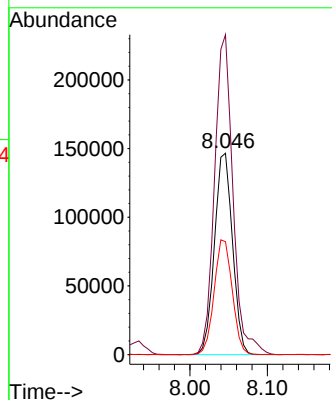
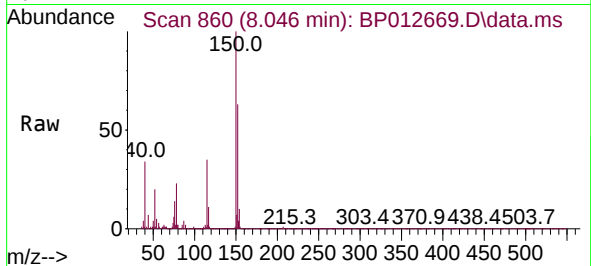
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.046 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

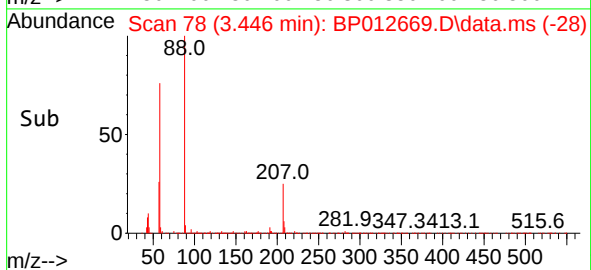
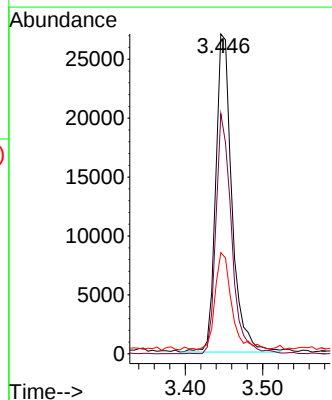
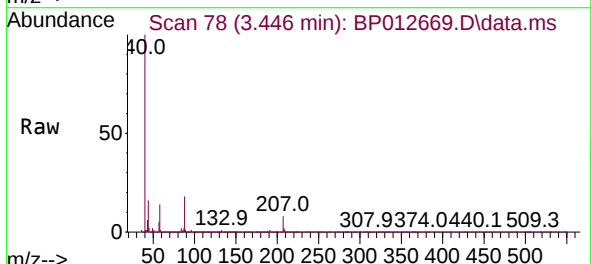
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

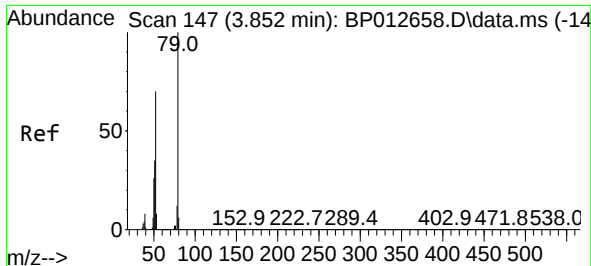
Tgt Ion:152 Resp: 237494
Ion Ratio Lower Upper
152 100
150 158.9 121.8 182.8
115 56.1 45.4 68.2



#2
1,4-Dioxane
Concen: 7.441 ng
RT: 3.446 min Scan# 78
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion: 88 Resp: 39271
Ion Ratio Lower Upper
88 100
58 72.5 59.3 88.9
43 31.6 23.0 34.4

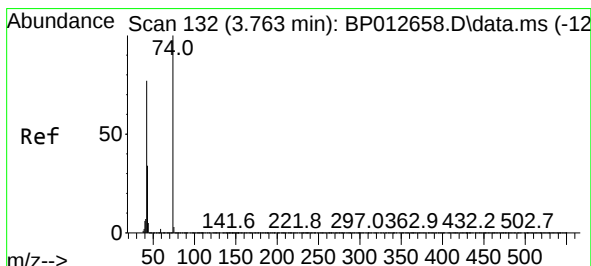
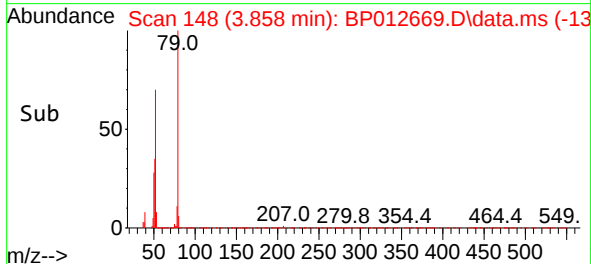
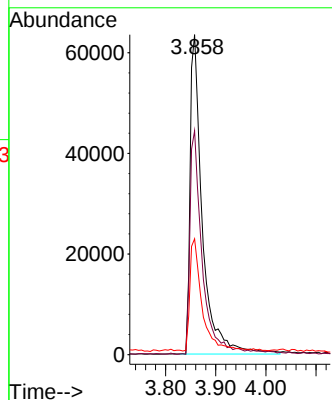
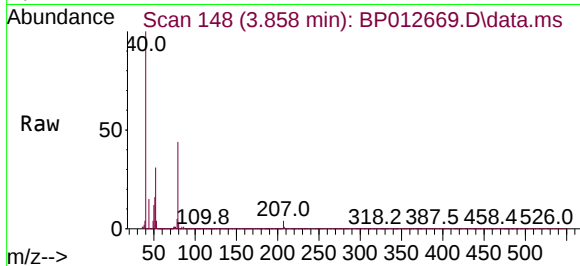




#3
Pyridine
Concen: 6.478 ng
RT: 3.858 min Scan# 147
Delta R.T. 0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

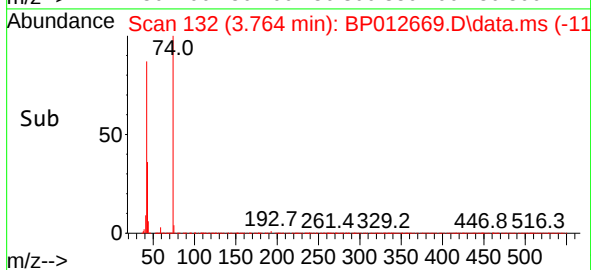
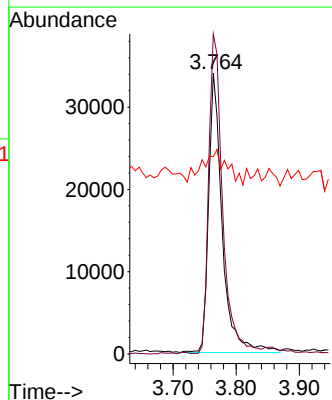
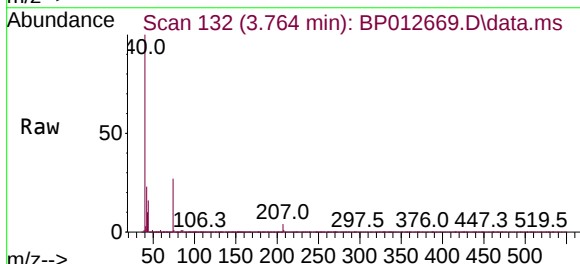
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

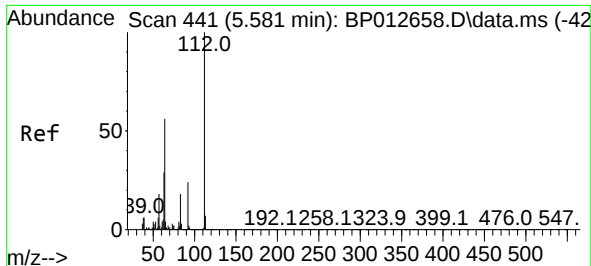
Tgt Ion: 79 Resp: 107924
Ion Ratio Lower Upper
79 100
52 70.0 56.1 84.1
51 36.2 28.1 42.1



#4
n-Nitrosodimethylamine
Concen: 7.163 ng
RT: 3.764 min Scan# 132
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion: 42 Resp: 50963
Ion Ratio Lower Upper
42 100
74 114.0 103.5 155.3
44 70.4 6.4 9.6

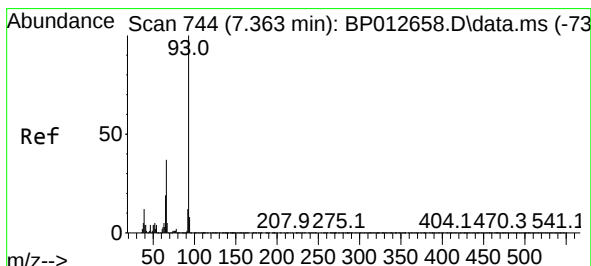
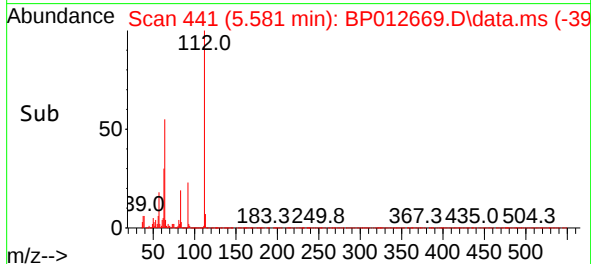
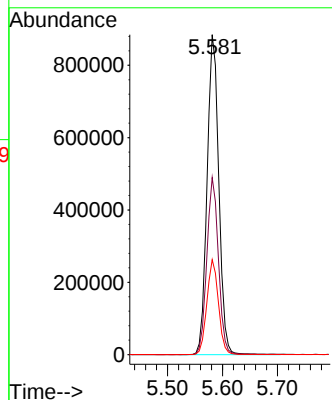
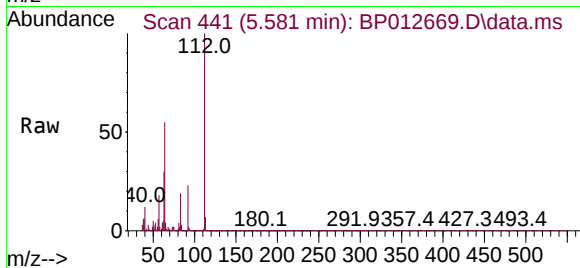




#5
2-Fluorophenol
Concen: 99.671 ng
RT: 5.581 min Scan# 441
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

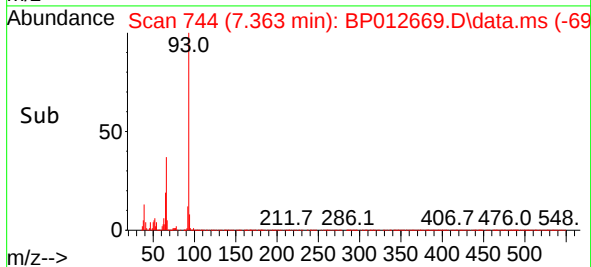
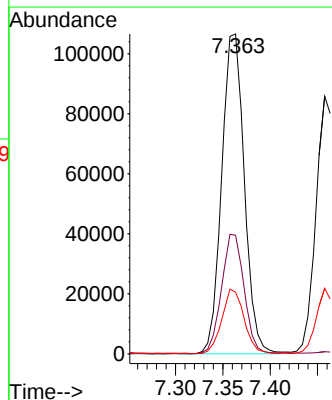
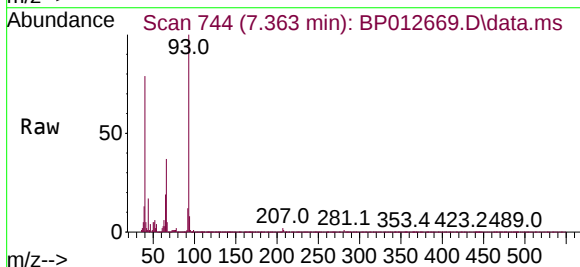
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

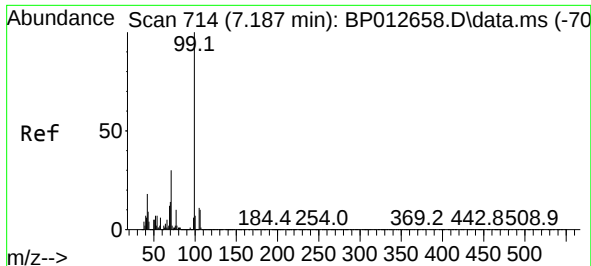
Tgt Ion:112 Resp: 1309799
Ion Ratio Lower Upper
112 100
64 55.3 44.7 67.1
63 29.7 23.3 34.9



#6
Aniline
Concen: 7.674 ng
RT: 7.363 min Scan# 744
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion: 93 Resp: 176931
Ion Ratio Lower Upper
93 100
66 37.1 29.9 44.9
65 19.3 15.4 23.2

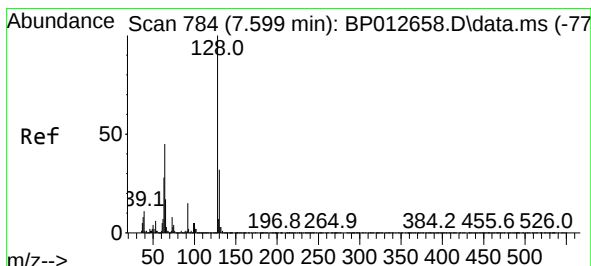
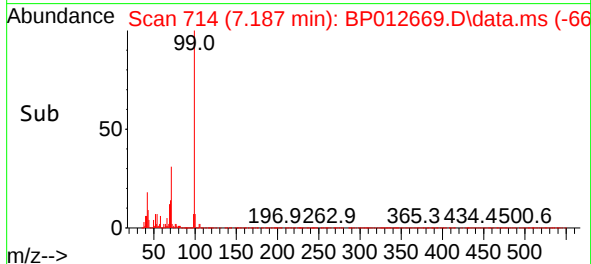
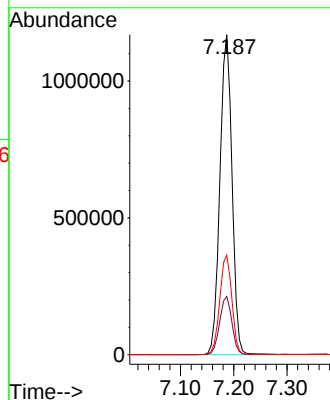
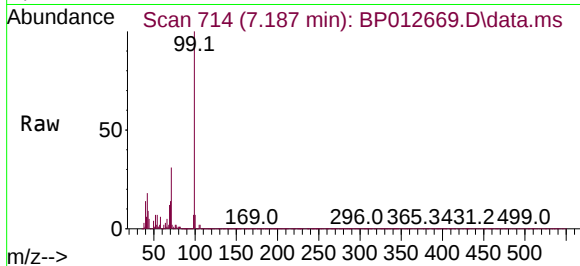




#7
Phenol-d6
Concen: 100.564 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

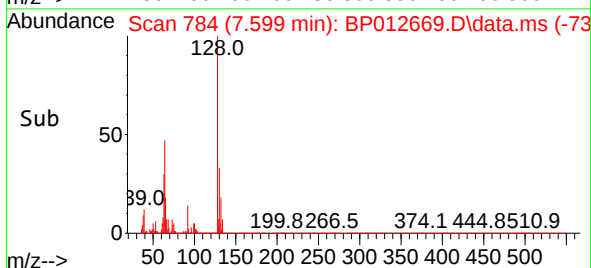
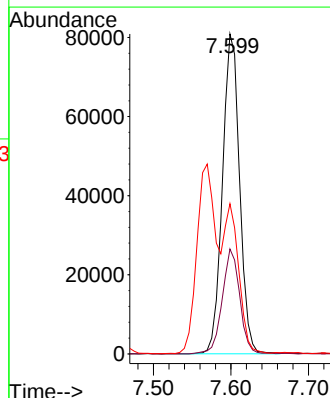
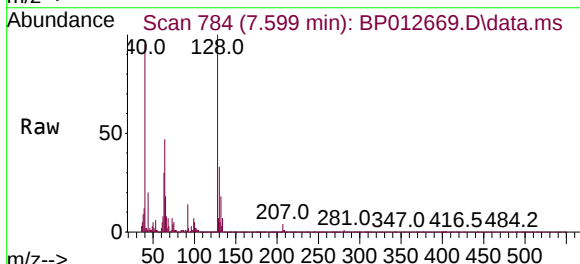
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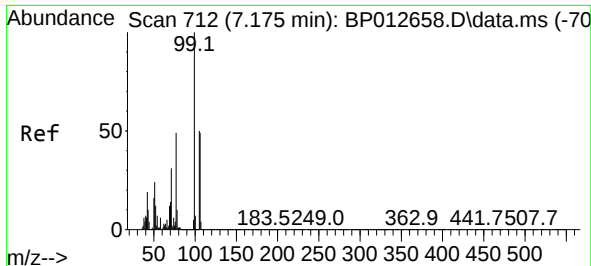
Tgt Ion: 99 Resp: 1840496
Ion Ratio Lower Upper
99 100
42 18.2 14.2 21.2
71 31.1 24.4 36.6



#8
2-Chlorophenol
Concen: 7.673 ng
RT: 7.599 min Scan# 784
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:128 Resp: 124513
Ion Ratio Lower Upper
128 100
130 32.8 12.0 52.0
64 46.9 25.5 65.5

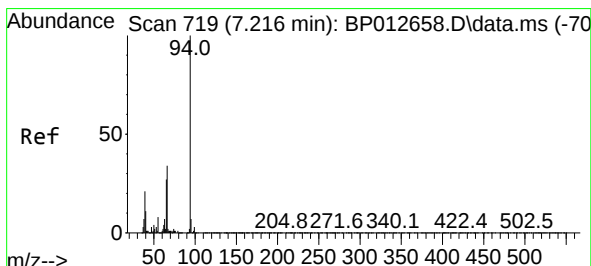
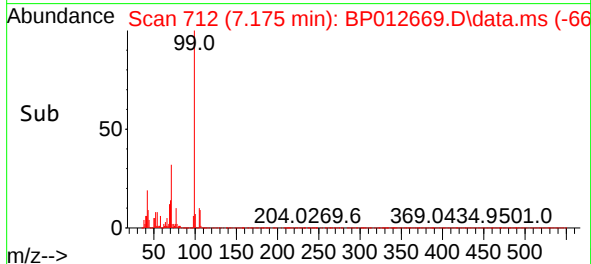
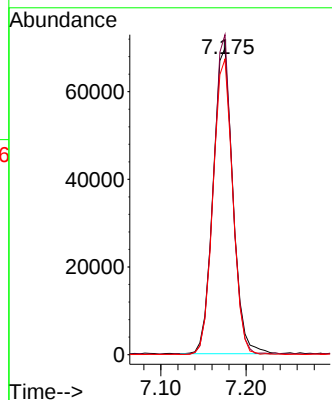
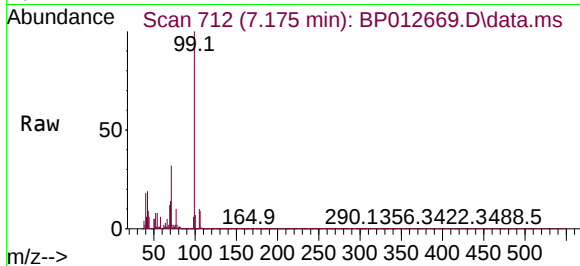




#9
Benzaldehyde
Concen: 10.577 ng
RT: 7.175 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

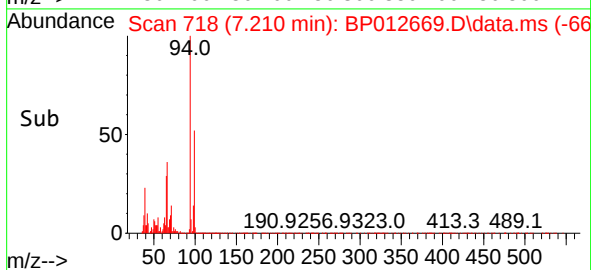
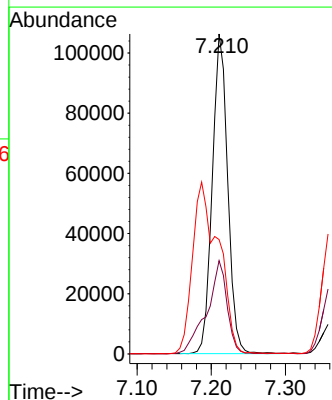
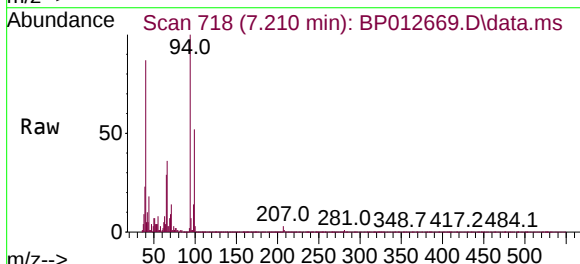
Instrument :
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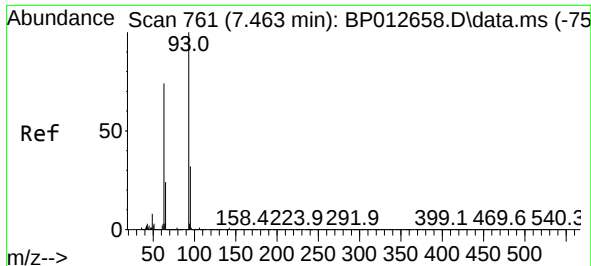
Tgt Ion: 77 Resp: 112895
Ion Ratio Lower Upper
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105 104.4 82.0 122.0
106 96.3 79.6 119.6



#10
Phenol
Concen: 7.455 ng
RT: 7.210 min Scan# 718
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion: 94 Resp: 153712
Ion Ratio Lower Upper
94 100
65 29.2 6.8 46.8
66 35.7 13.9 53.9

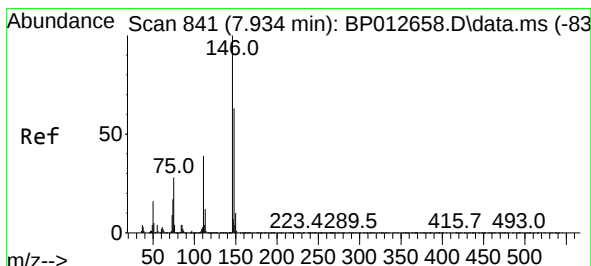
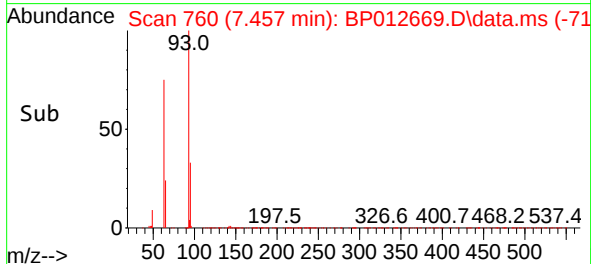
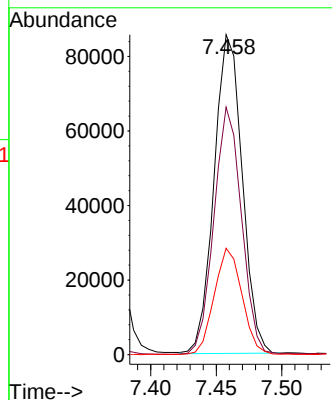
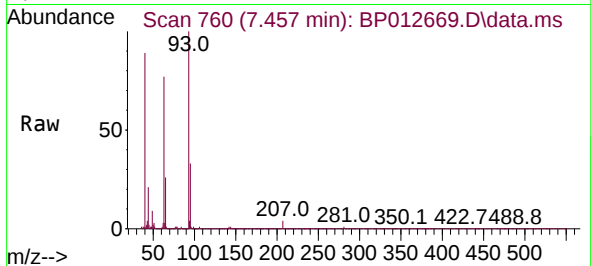




#11
bis(2-Chloroethyl)ether
Concen: 7.779 ng
RT: 7.457 min Scan# 761
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

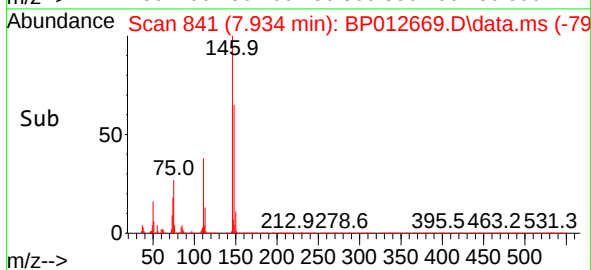
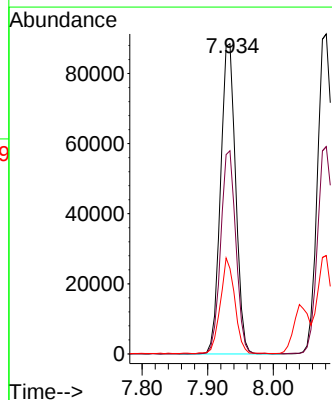
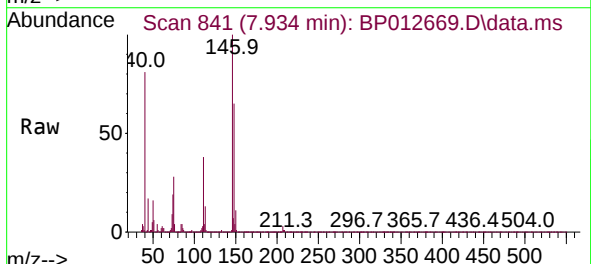
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

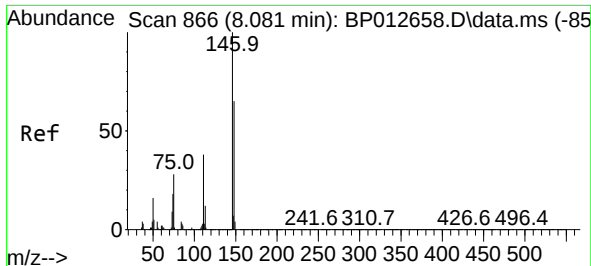
Tgt Ion: 93 Resp: 127767
Ion Ratio Lower Upper
93 100
63 77.3 53.9 93.9
95 33.2 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 7.871 ng
RT: 7.934 min Scan# 841
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:146 Resp: 141745
Ion Ratio Lower Upper
146 100
148 65.5 50.6 76.0
75 27.5 22.5 33.7





#13

1,4-Dichlorobenzene

Concen: 7.985 ng

RT: 8.081 min Scan# 80

Delta R.T. 0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

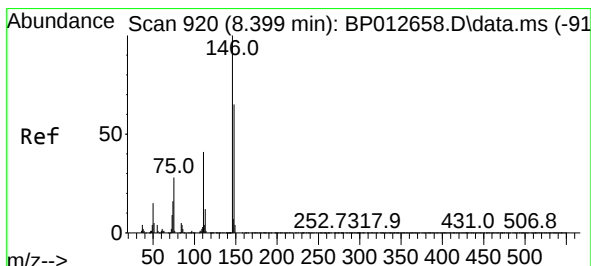
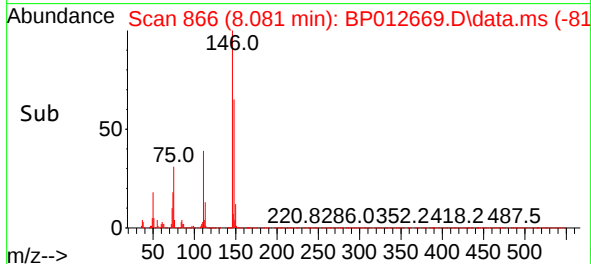
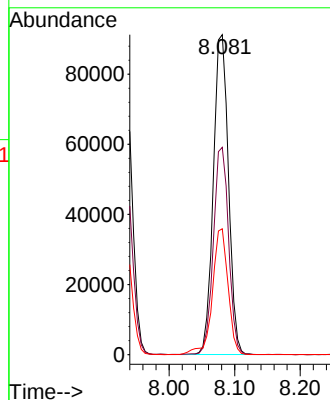
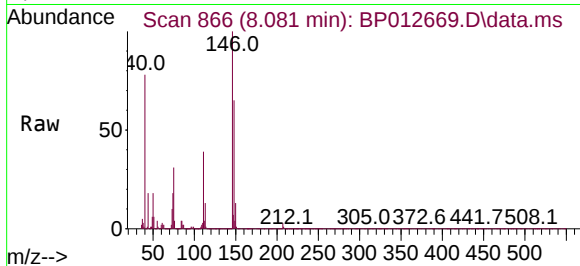
Tgt Ion:146 Resp: 146633

Ion Ratio Lower Upper

146 100

148 64.8 52.2 78.4

111 39.3 30.6 45.8



#14

1,2-Dichlorobenzene

Concen: 8.196 ng

RT: 8.399 min Scan# 920

Delta R.T. 0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

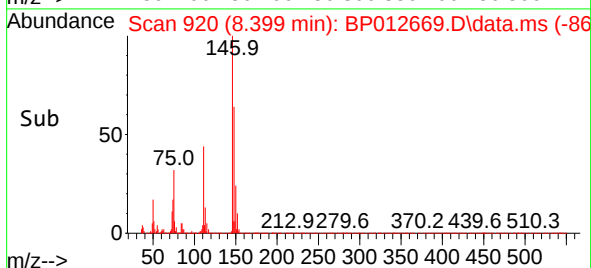
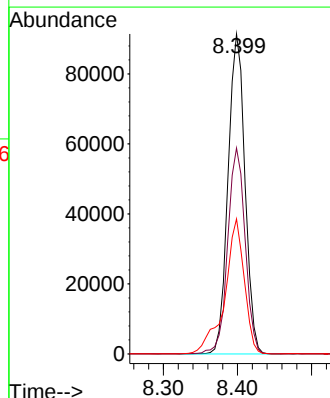
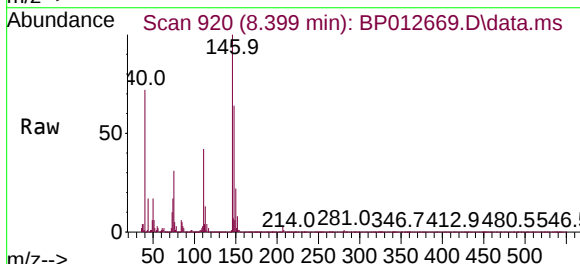
Tgt Ion:146 Resp: 144428

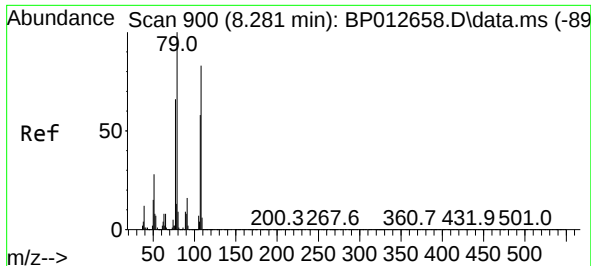
Ion Ratio Lower Upper

146 100

148 64.3 52.1 78.1

111 42.2 32.8 49.2





#15

Benzyl Alcohol

Concen: 6.804 ng

RT: 8.275 min Scan# 89

Delta R.T. -0.006 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

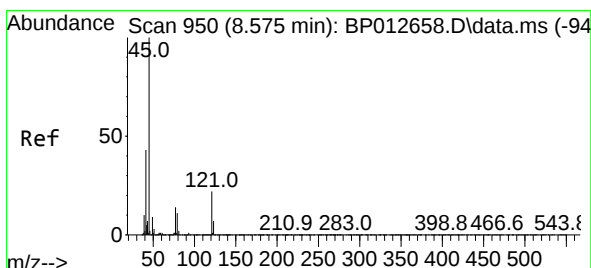
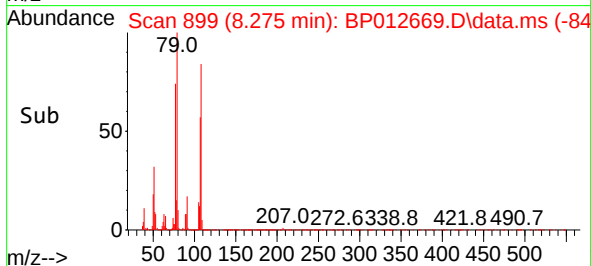
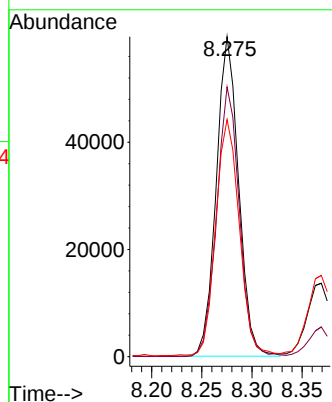
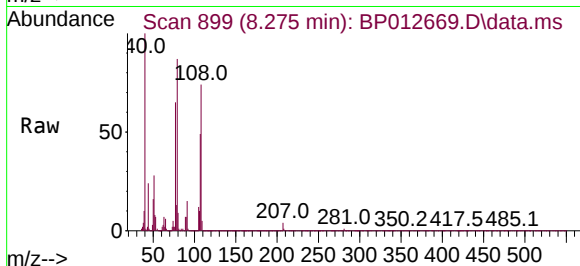
Tgt Ion: 79 Resp: 92780

Ion Ratio Lower Upper

79 100

108 84.3 66.4 99.6

77 74.1 53.2 79.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 8.007 ng

RT: 8.569 min Scan# 949

Delta R.T. -0.006 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

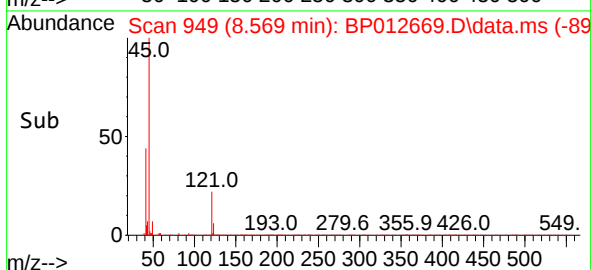
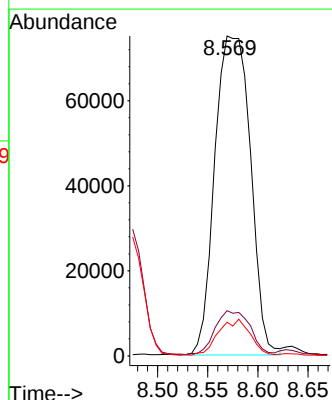
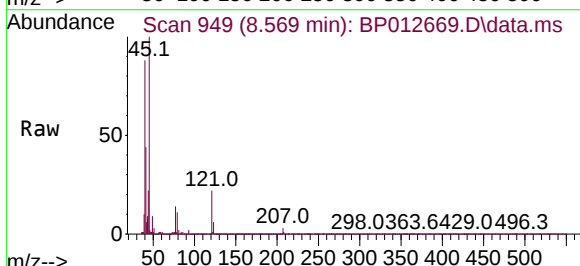
Tgt Ion: 45 Resp: 185552

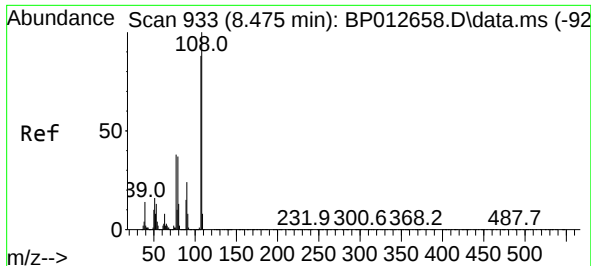
Ion Ratio Lower Upper

45 100

77 14.1 0.0 33.8

79 10.5 0.0 30.7

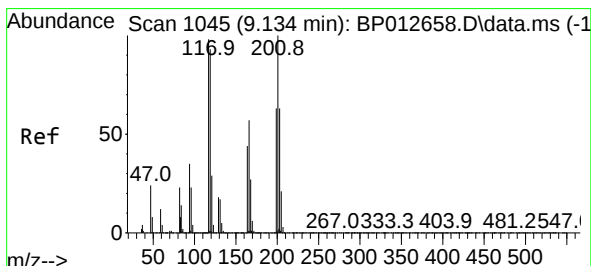
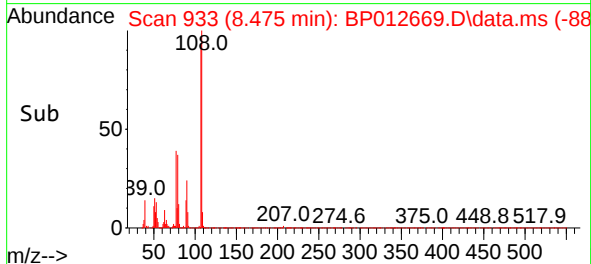
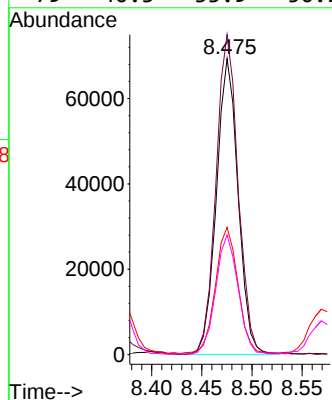
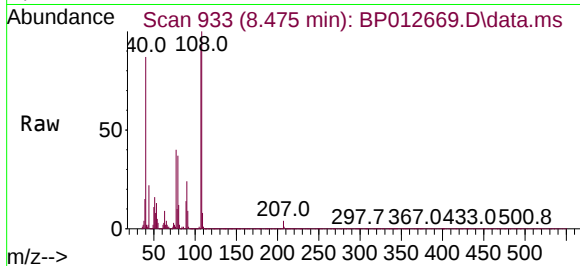




#17
2-Methylphenol
Concen: 7.319 ng
RT: 8.475 min Scan# 933
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

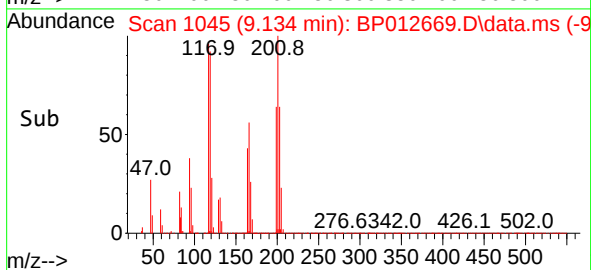
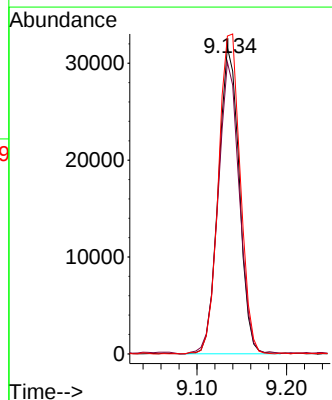
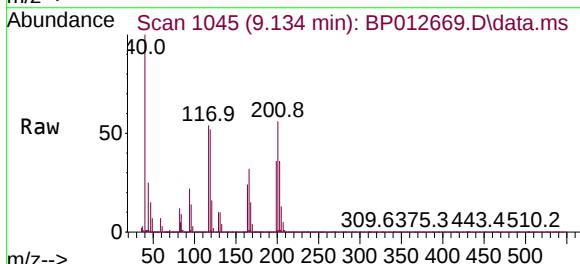
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

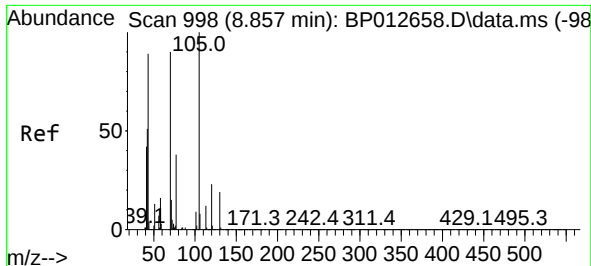
Tgt Ion:	107	Resp:	104639
Ion	Ratio	Lower	Upper
107	100		
108	108.1	91.0	136.6
77	43.0	35.1	52.7
79	40.3	33.9	50.9



#18
Hexachloroethane
Concen: 8.347 ng
RT: 9.134 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:	117	Resp:	51220
Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.1	114.1
201	103.7	81.8	122.8

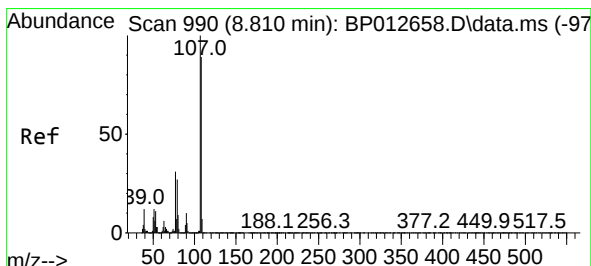
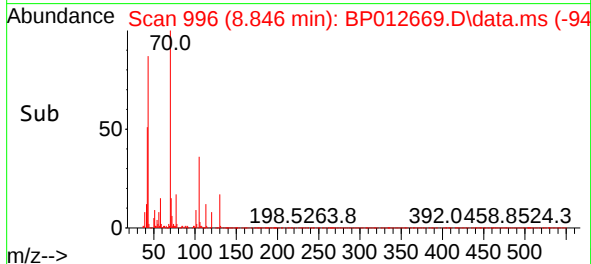
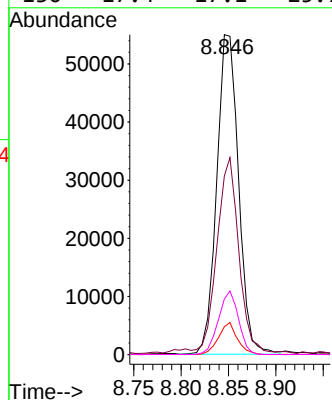
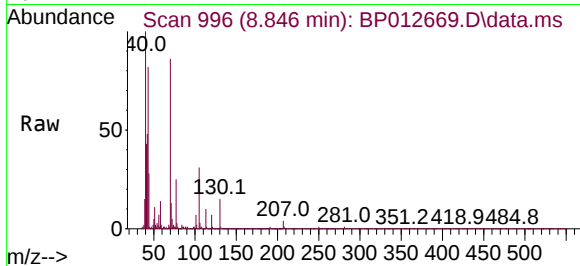




#19
n-Nitroso-di-n-propylamine
Concen: 7.094 ng
RT: 8.846 min Scan# 998
Delta R.T. -0.012 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

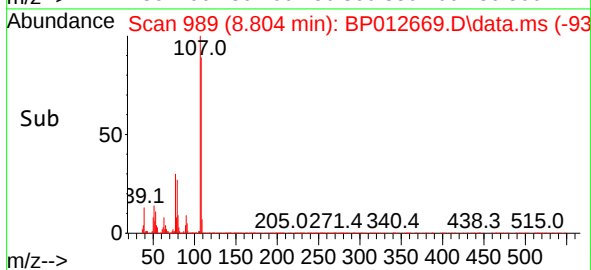
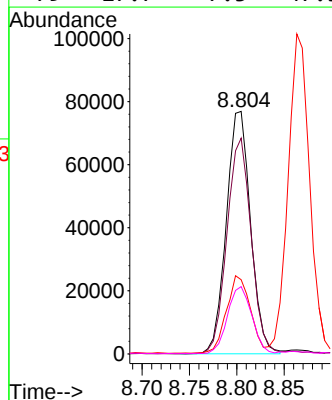
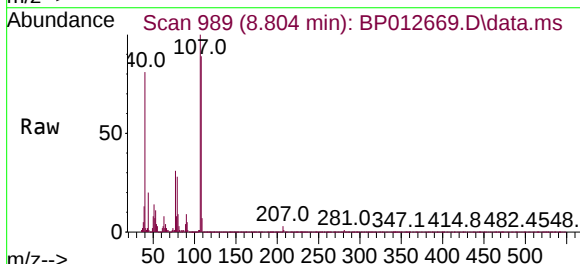
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

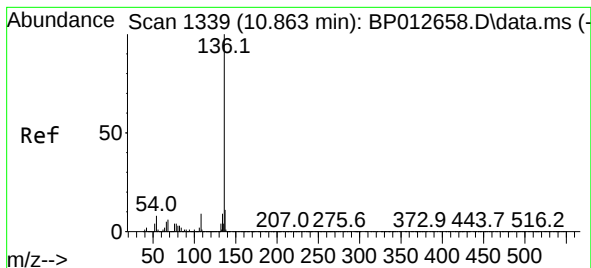
Tgt Ion: 70	Resp:	88250
Ion Ratio	Lower	Upper
70	100	
42	55.8	46.4 69.6
101	8.7	7.6 11.4
130	17.4	17.1 25.7



#20
3+4-Methylphenols
Concen: 6.842 ng
RT: 8.804 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion: 107	Resp:	137043
Ion Ratio	Lower	Upper
107	100	
108	89.0	69.1 109.1
77	30.6	10.8 50.8
79	27.7	7.3 47.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.863 min Scan# 1339

Delta R.T. 0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:136 Resp: 1027129

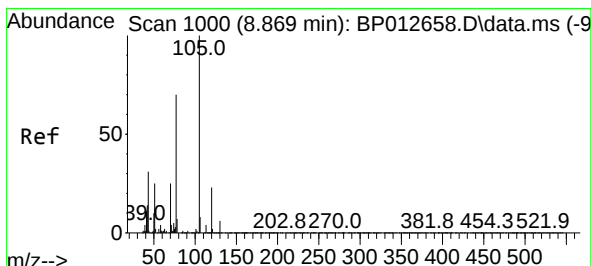
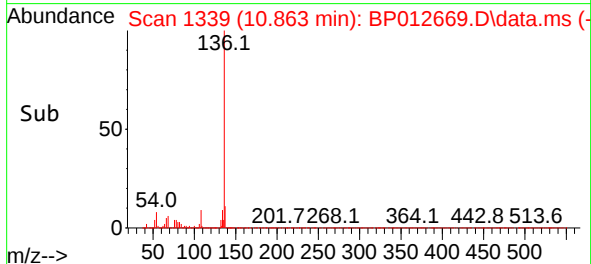
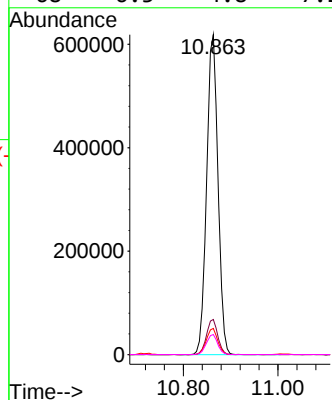
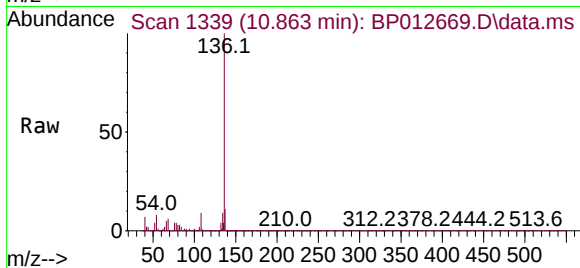
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 8.2 6.3 9.5

68 6.3 4.8 7.2



#22

Acetophenone

Concen: 8.400 ng

RT: 8.863 min Scan# 999

Delta R.T. -0.006 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Tgt Ion:105 Resp: 215370

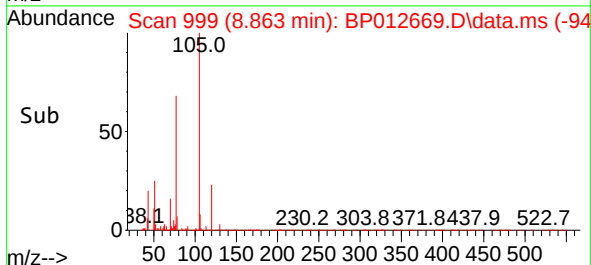
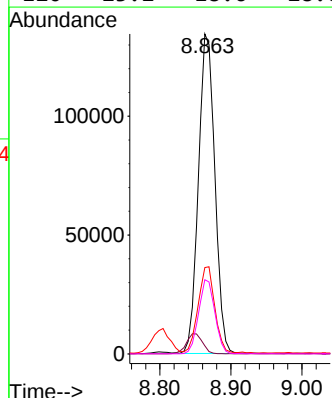
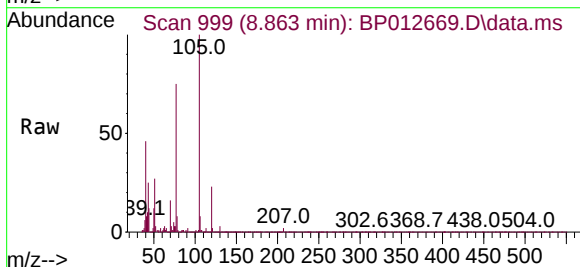
Ion Ratio Lower Upper

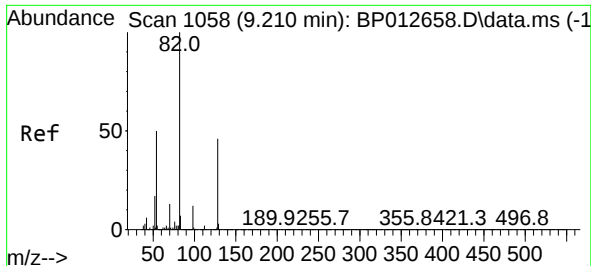
105 100

71 2.5 3.1 4.7#

51 27.0 21.4 32.2

120 23.2 18.6 28.0

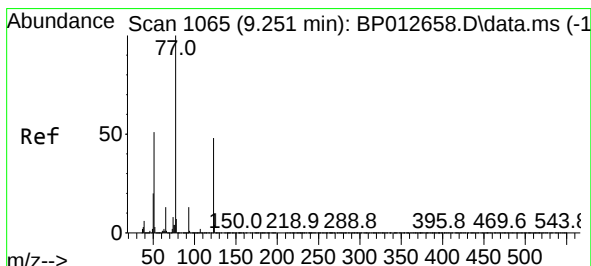
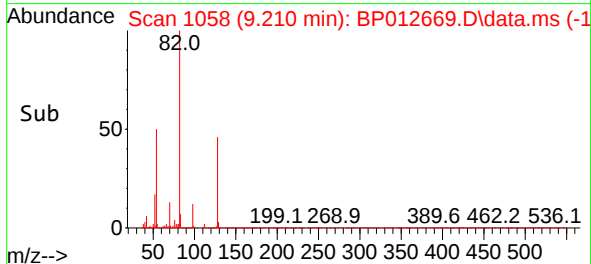
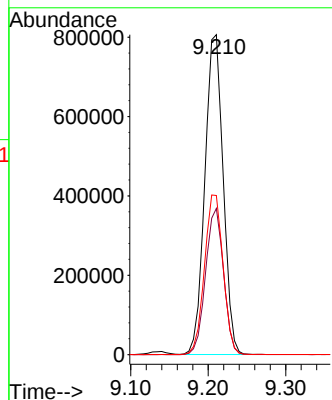
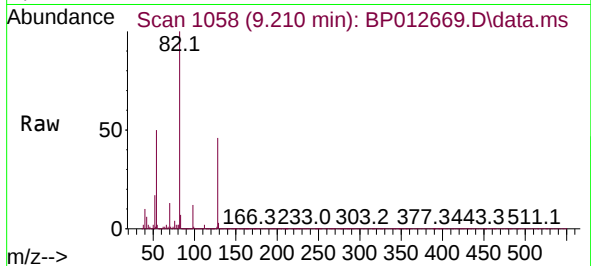




#23
Nitrobenzene-d5
Concen: 81.028 ng
RT: 9.210 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

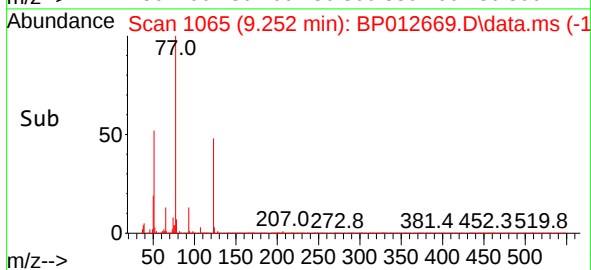
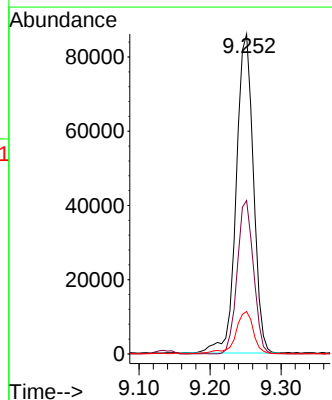
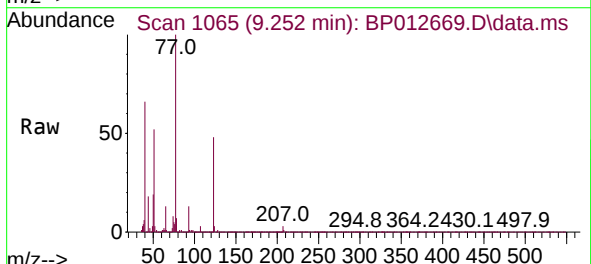
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

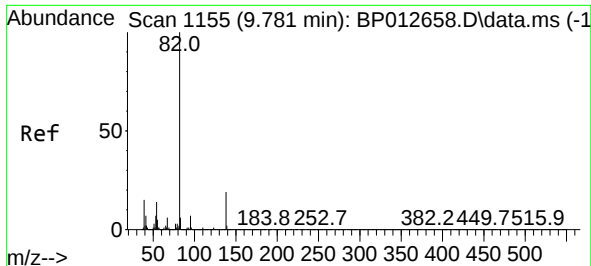
Tgt Ion: 82 Resp: 1323687
Ion Ratio Lower Upper
82 100
128 45.7 36.5 54.7
54 49.7 39.9 59.9



#24
Nitrobenzene
Concen: 8.176 ng
RT: 9.252 min Scan# 1065
Delta R.T. 0.001 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion: 77 Resp: 144225
Ion Ratio Lower Upper
77 100
123 47.9 38.7 58.1
65 13.2 10.6 15.8

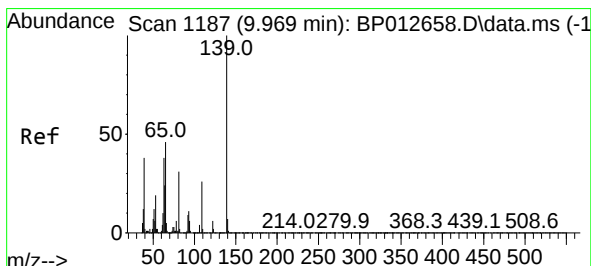
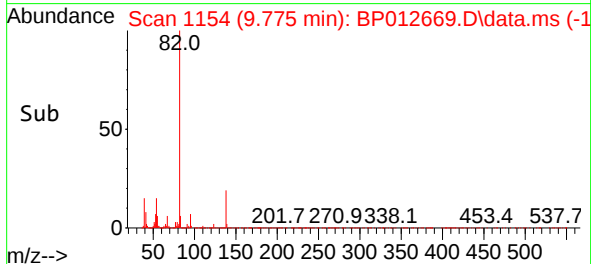
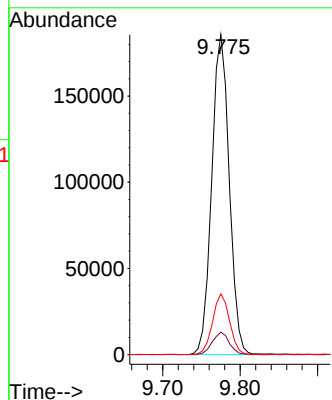
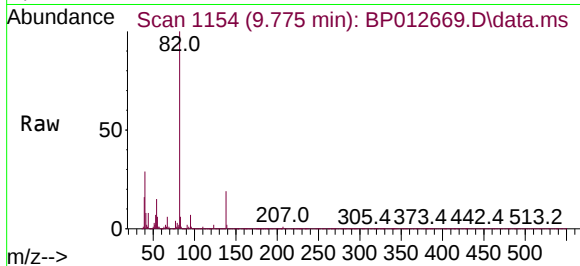




#25
Isophorone
Concen: 7.927 ng
RT: 9.775 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

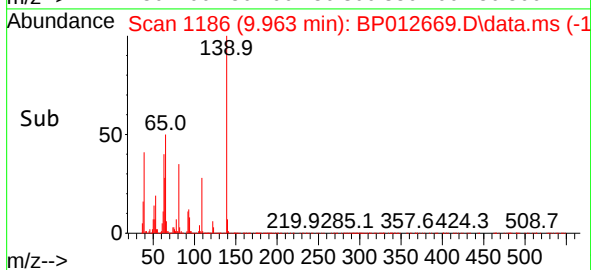
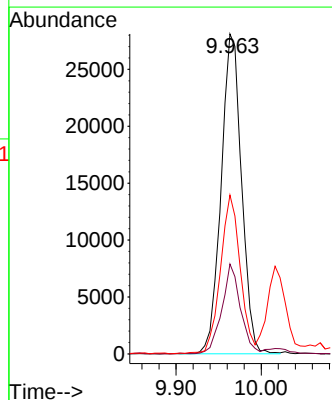
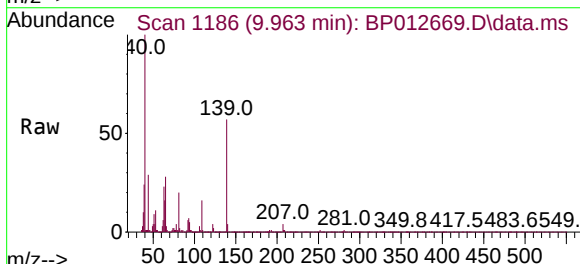
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

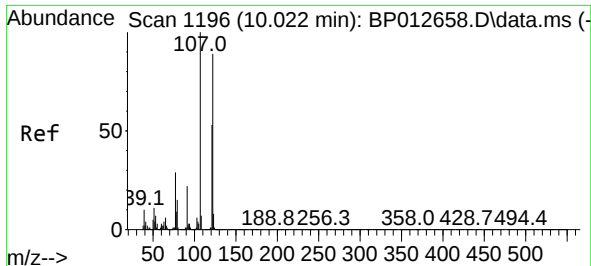
Tgt Ion: 82 Resp: 291277
Ion Ratio Lower Upper
82 100
95 7.0 5.4 8.0
138 19.0 14.9 22.3



#26
2-Nitrophenol
Concen: 6.110 ng
RT: 9.963 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion: 139 Resp: 46737
Ion Ratio Lower Upper
139 100
109 28.1 20.9 31.3
65 49.6 36.6 54.8

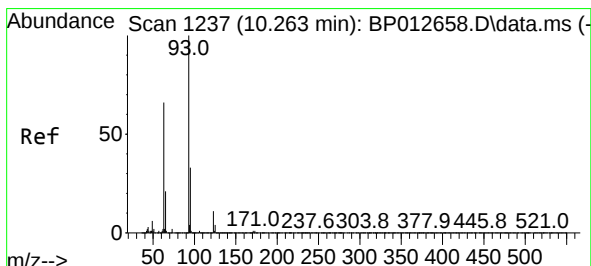
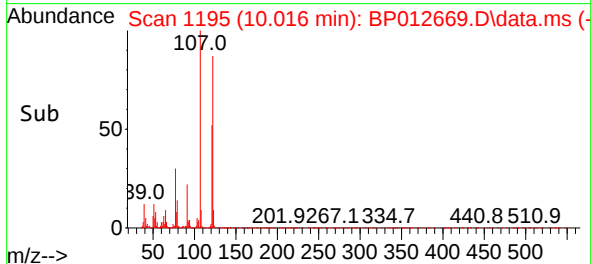
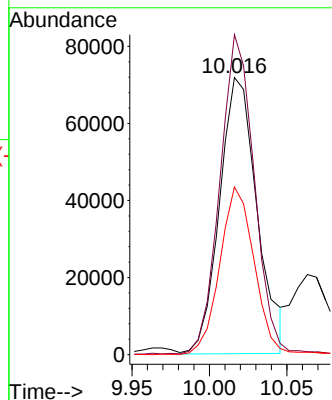
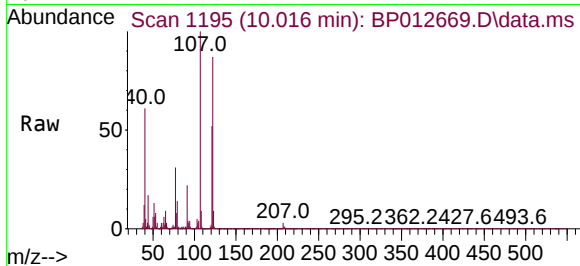




#27
2,4-Dimethylphenol
Concen: 8.371 ng
RT: 10.016 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

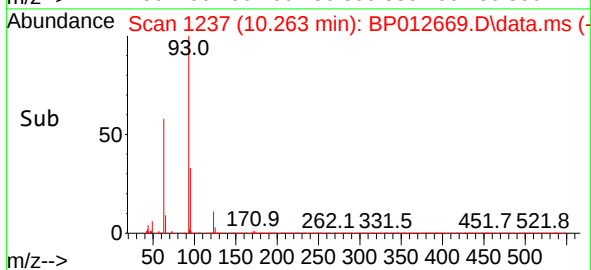
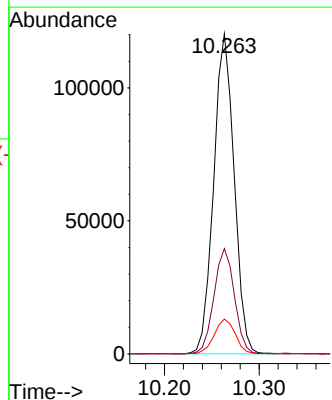
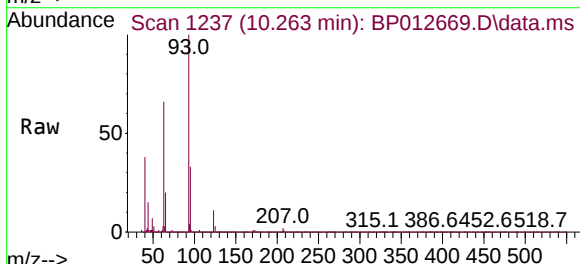
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

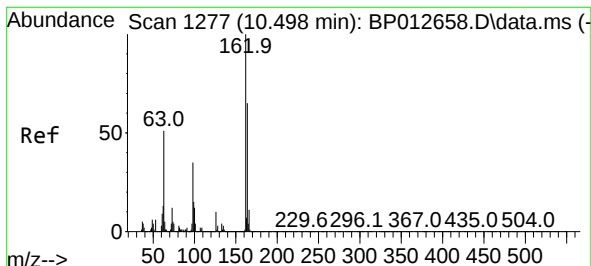
Tgt Ion:122 Resp: 120836
Ion Ratio Lower Upper
122 100
107 115.5 89.2 133.8
121 60.5 47.1 70.7



#28
bis(2-Chloroethoxy)methane
Concen: 8.636 ng
RT: 10.263 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion: 93 Resp: 180489
Ion Ratio Lower Upper
93 100
95 32.9 26.2 39.4
123 10.9 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 7.071 ng

RT: 10.499 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

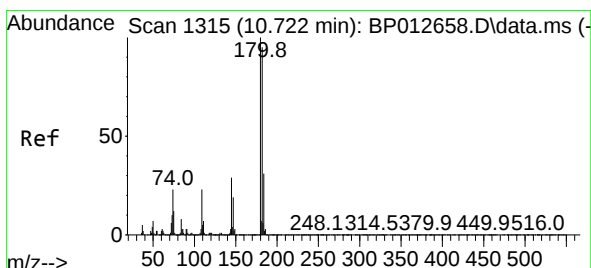
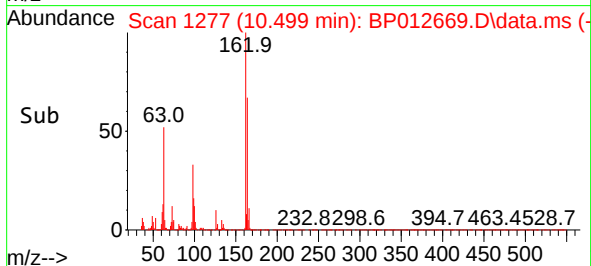
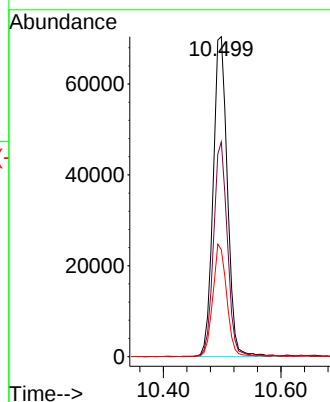
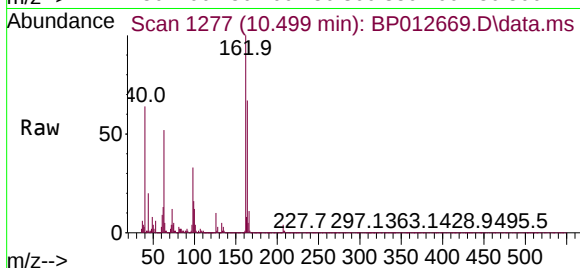
Tgt Ion:162 Resp: 118639

Ion Ratio Lower Upper

162 100

164 67.1 44.7 84.7

98 33.4 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 7.858 ng

RT: 10.722 min Scan# 1315

Delta R.T. 0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

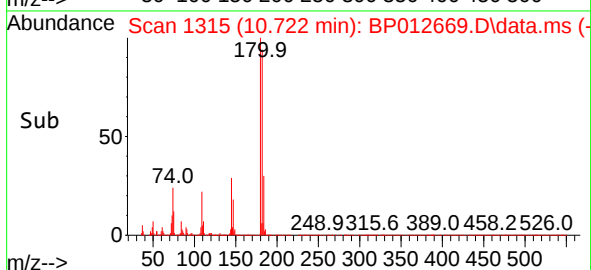
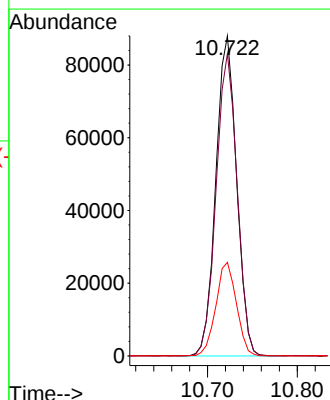
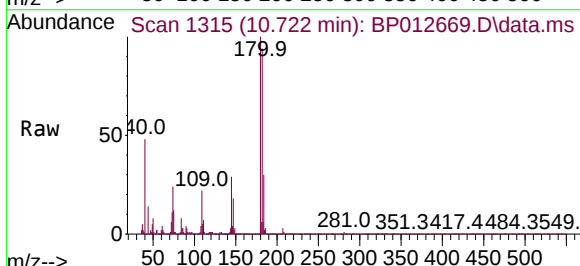
Tgt Ion:180 Resp: 141520

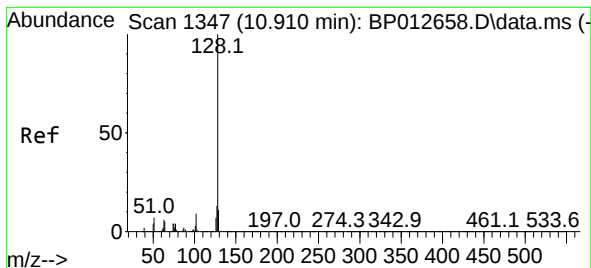
Ion Ratio Lower Upper

180 100

182 94.5 76.1 114.1

145 29.2 23.0 34.4





#31

Naphthalene

Concen: 7.909 ng

RT: 10.910 min Scan# 1347

Delta R.T. 0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

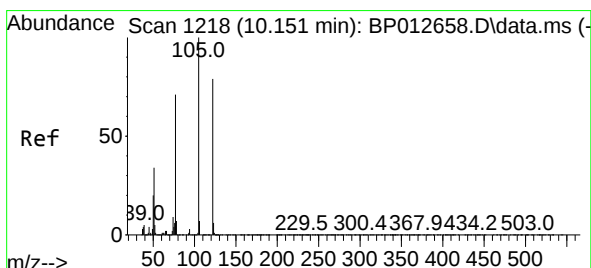
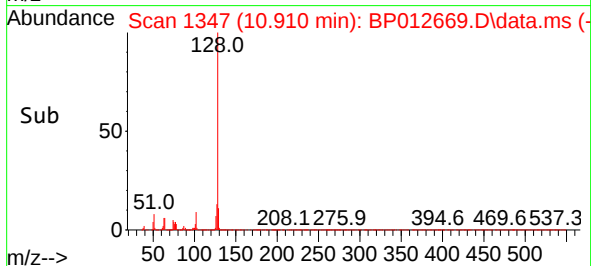
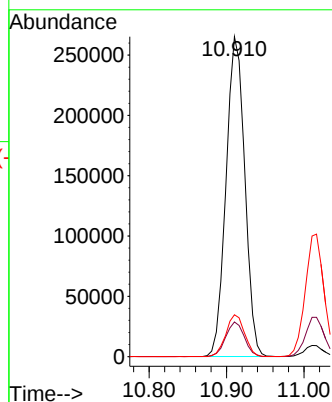
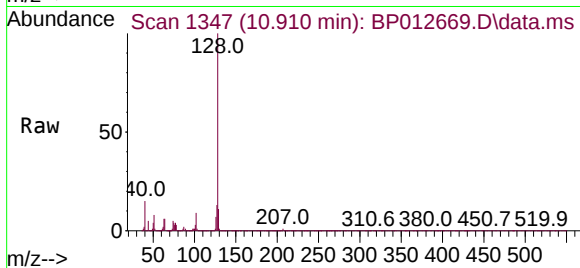
Tgt Ion:128 Resp: 446594

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 13.1 10.5 15.7



#32

Benzoic acid

Concen: 3.409 ng

RT: 10.063 min Scan# 1203

Delta R.T. -0.088 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

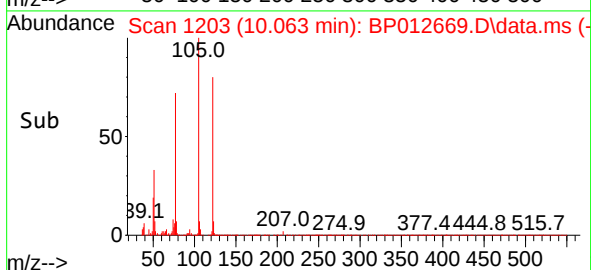
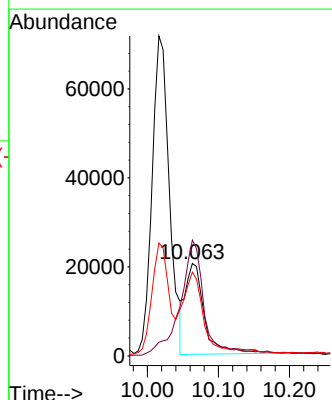
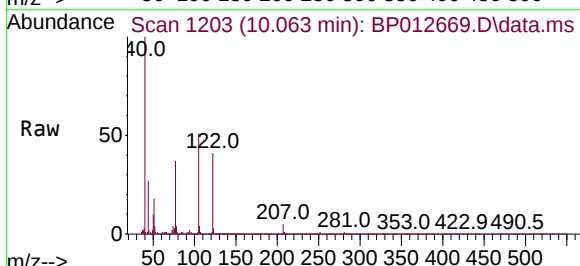
Tgt Ion:122 Resp: 38533

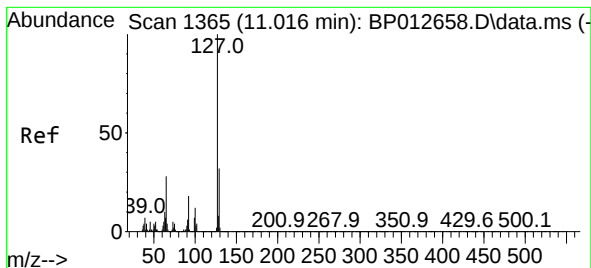
Ion Ratio Lower Upper

122 100

105 125.1 101.1 141.1

77 90.6 67.6 107.6





#33

4-Chloroaniline

Concen: 7.263 ng

RT: 11.016 min Scan# 1365

Delta R.T. 0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:127 Resp: 170866

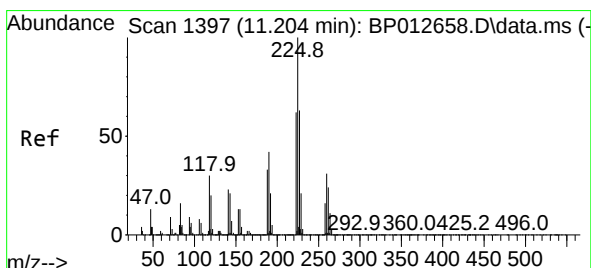
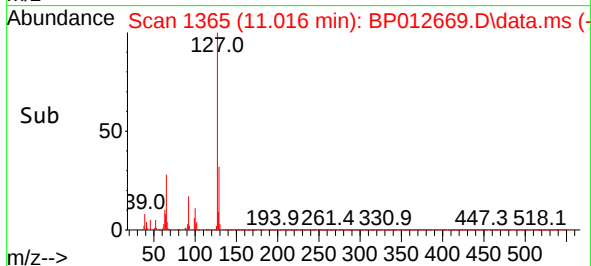
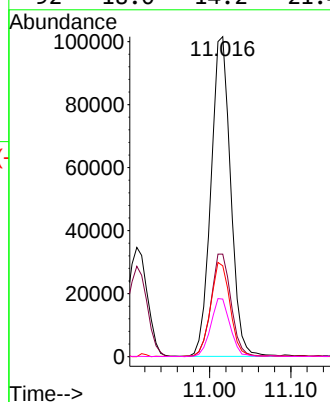
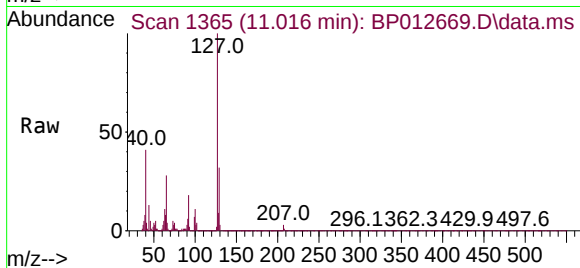
Ion Ratio Lower Upper

127 100

129 32.0 25.4 38.0

65 28.4 22.6 33.8

92 18.0 14.2 21.4



#34

Hexachlorobutadiene

Concen: 8.067 ng

RT: 11.198 min Scan# 1396

Delta R.T. -0.006 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

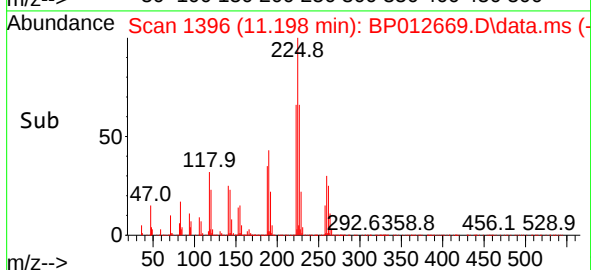
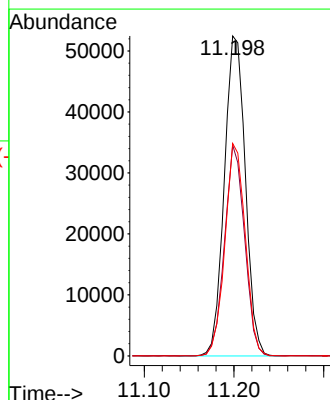
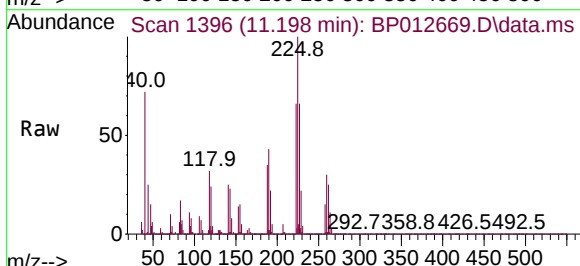
Tgt Ion:225 Resp: 85836

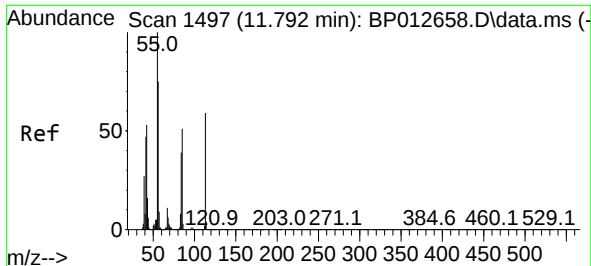
Ion Ratio Lower Upper

225 100

223 65.9 49.6 74.4

227 66.4 50.0 75.0

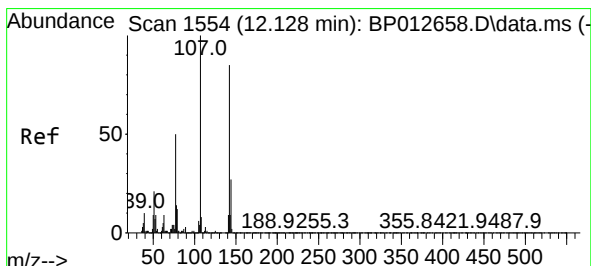
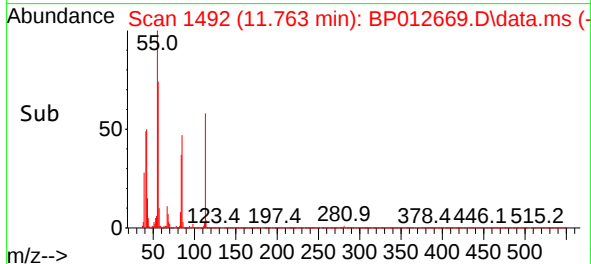
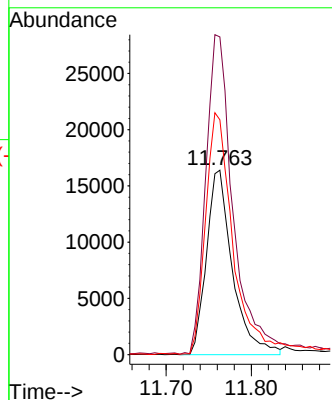
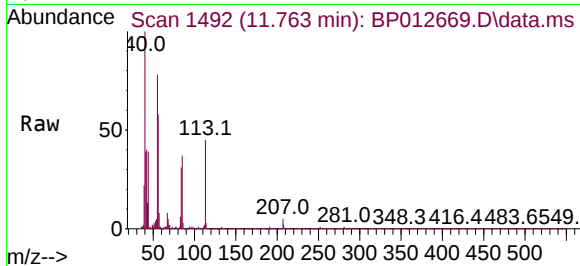




#35
Caprolactam
Concen: 6.357 ng
RT: 11.763 min Scan# 1492
Delta R.T. -0.029 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

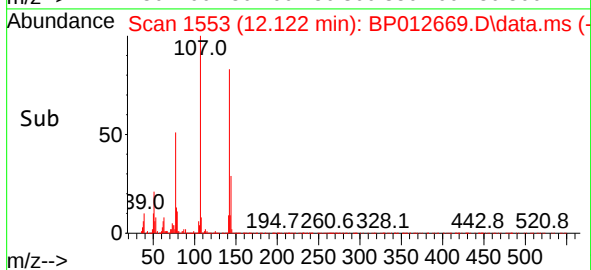
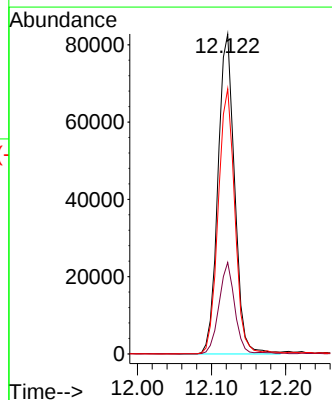
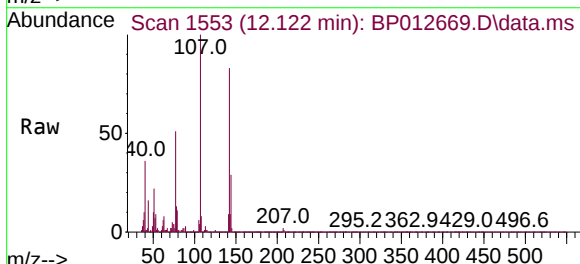
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

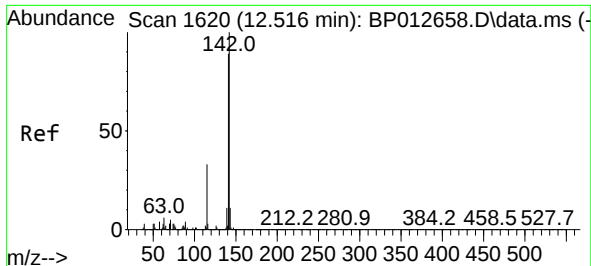
Tgt Ion:113 Resp: 34730
Ion Ratio Lower Upper
113 100
55 172.3 149.2 189.2
56 127.3 106.9 146.9



#36
4-Chloro-3-methylphenol
Concen: 7.162 ng
RT: 12.122 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:107 Resp: 128997
Ion Ratio Lower Upper
107 100
144 28.6 21.9 32.9
142 82.8 68.1 102.1

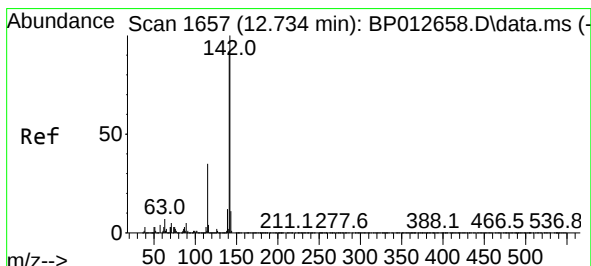
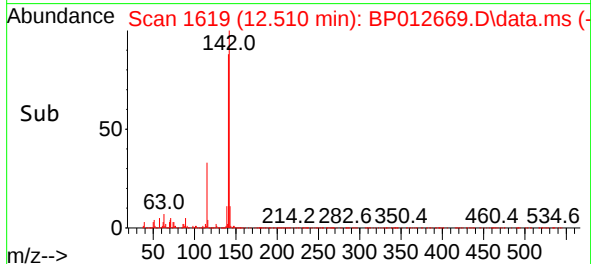
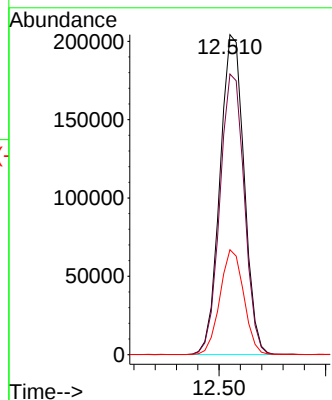
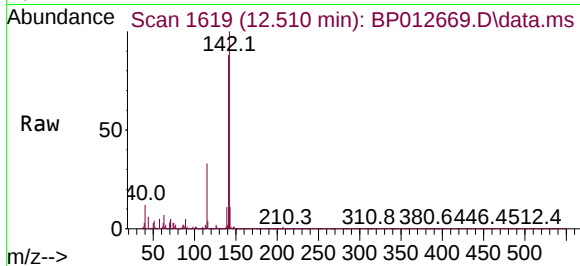




#37
2-Methylnaphthalene
Concen: 7.988 ng
RT: 12.510 min Scan# 1619
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

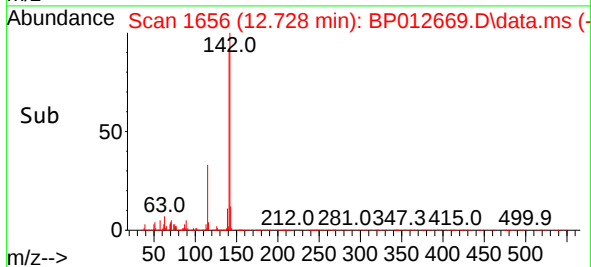
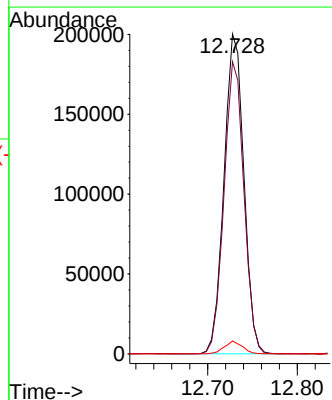
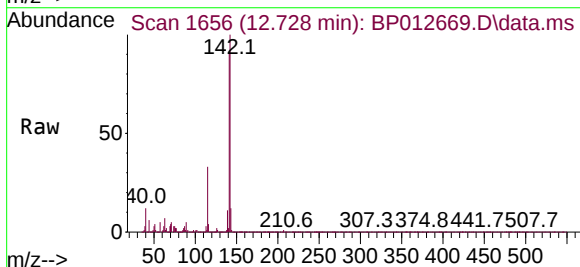
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

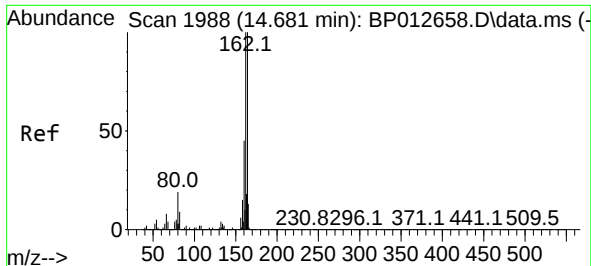
Tgt Ion:142 Resp: 322548
Ion Ratio Lower Upper
142 100
141 87.7 71.0 106.6
115 32.8 26.2 39.4



#38
1-Methylnaphthalene
Concen: 7.780 ng
RT: 12.728 min Scan# 1656
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:142 Resp: 308708
Ion Ratio Lower Upper
142 100
141 91.3 73.9 110.9
116 4.0 2.9 4.3

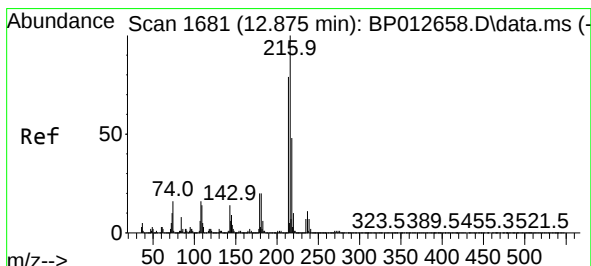
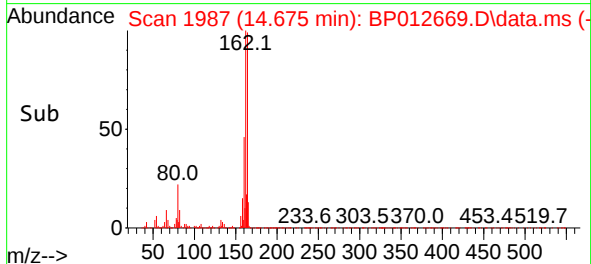
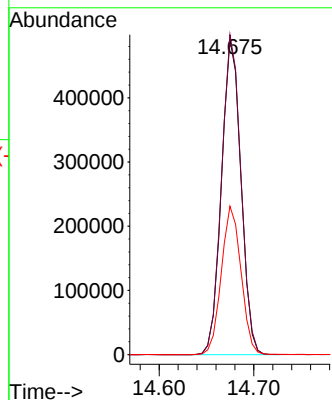
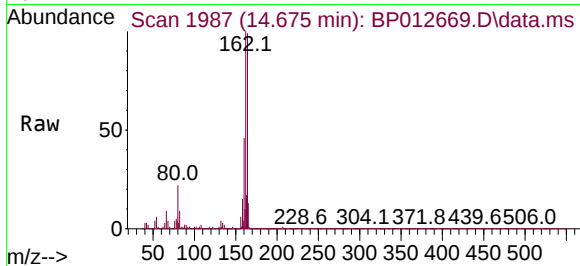




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.675 min Scan# 1988
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

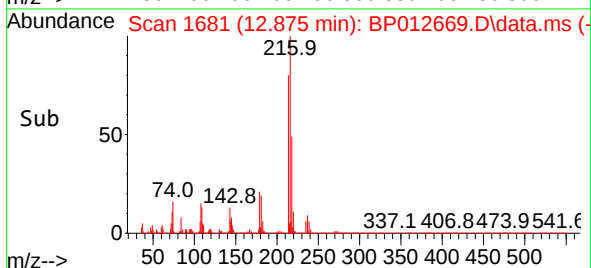
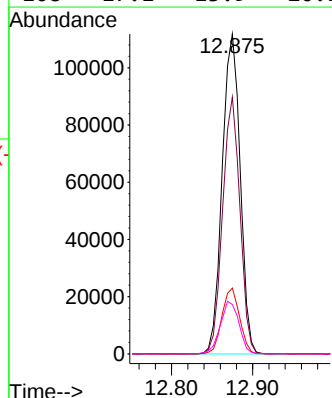
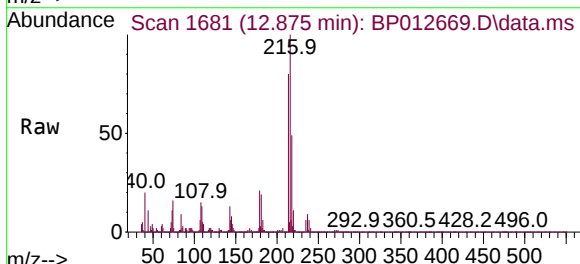
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

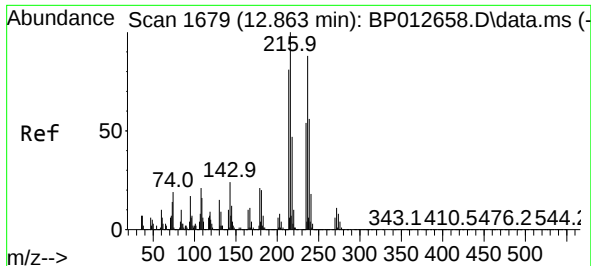
Tgt Ion:164 Resp: 698442
Ion Ratio Lower Upper
164 100
162 101.5 80.3 120.5
160 47.1 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.419 ng
RT: 12.875 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:216 Resp: 171505
Ion Ratio Lower Upper
216 100
214 77.3 62.5 93.7
179 20.2 16.6 24.8
108 17.1 13.9 20.9

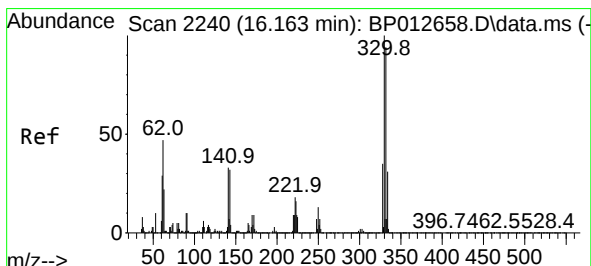
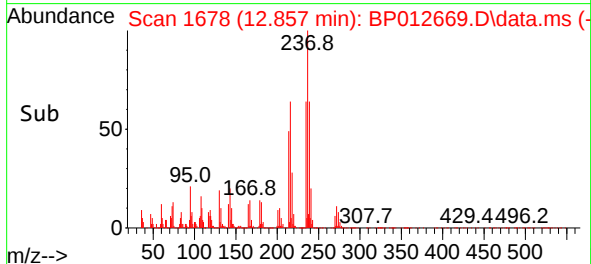
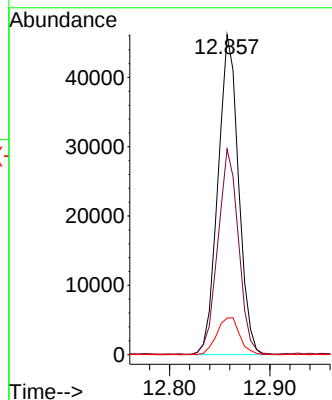
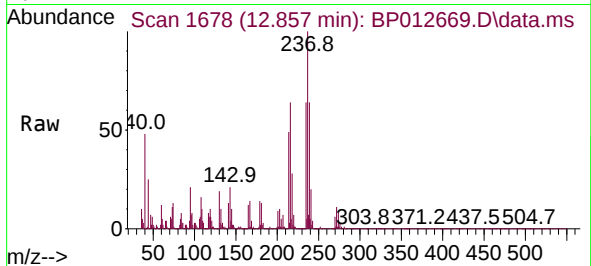




#41
Hexachlorocyclopentadiene
Concen: 8.496 ng
RT: 12.857 min Scan# 1678
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

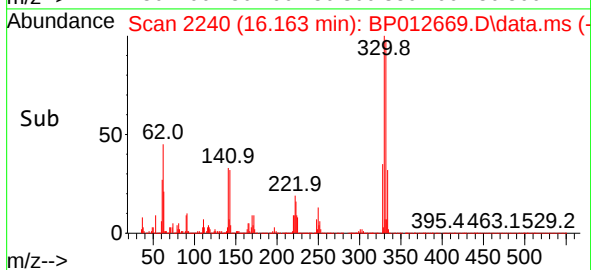
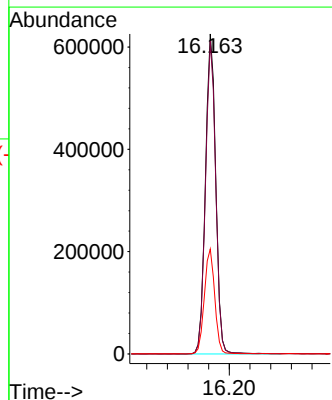
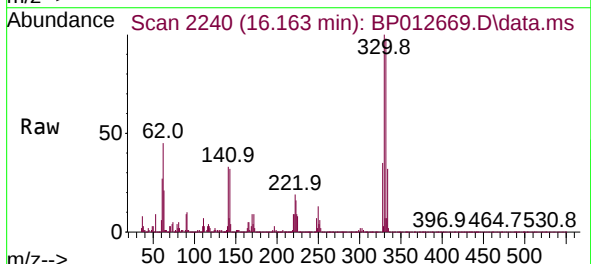
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

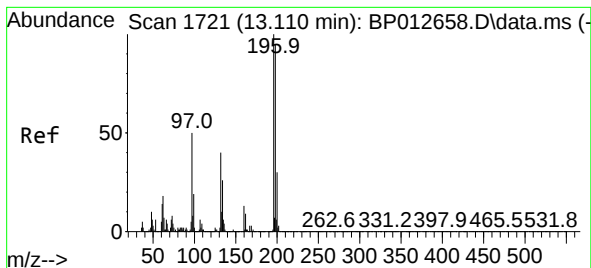
Tgt Ion:	237	Resp:	65828
Ion	Ratio	Lower	Upper
237	100		
235	64.2	41.7	81.7
272	11.4	0.0	32.7



#42
2,4,6-Tribromophenol
Concen: 107.995 ng
RT: 16.163 min Scan# 2240
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:	330	Resp:	863201
Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.4
141	33.2	26.7	40.1





#43

2,4,6-Trichlorophenol

Concen: 7.006 ng

RT: 13.104 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

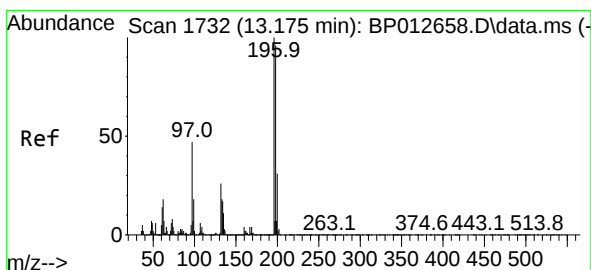
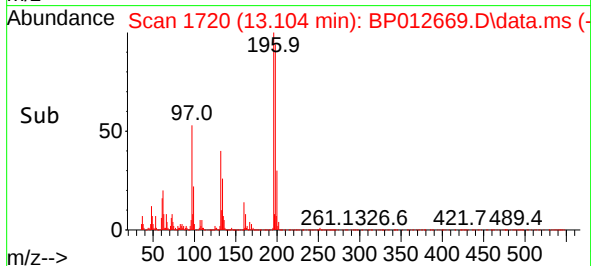
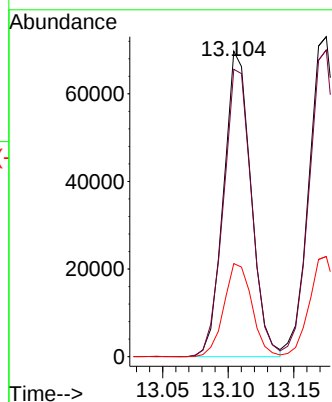
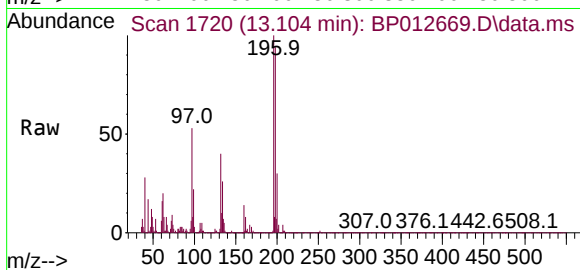
Tgt Ion:196 Resp: 101614

Ion Ratio Lower Upper

196 100

198 94.1 75.8 113.6

200 30.4 24.4 36.6



#44

2,4,5-Trichlorophenol

Concen: 7.085 ng

RT: 13.175 min Scan# 1732

Delta R.T. 0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Tgt Ion:196 Resp: 113687

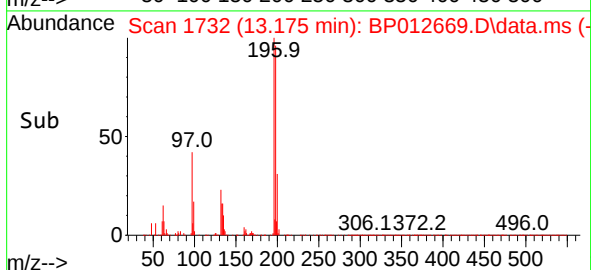
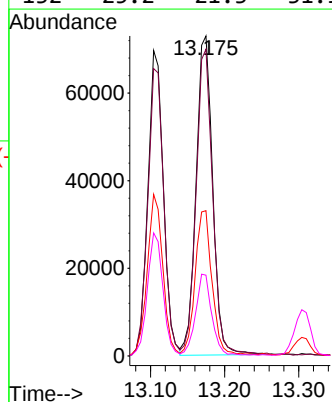
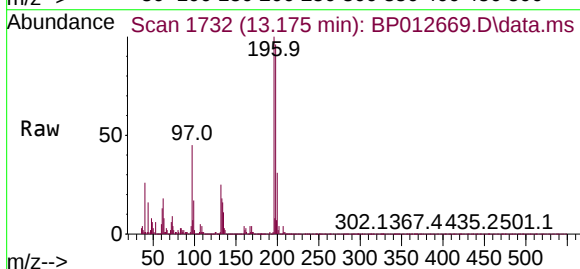
Ion Ratio Lower Upper

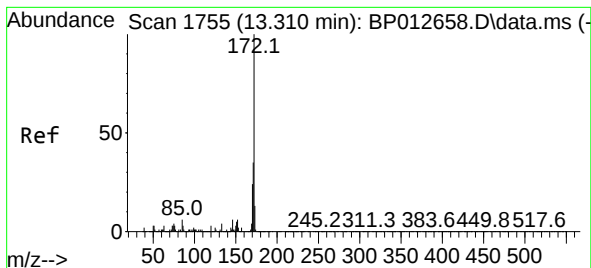
196 100

198 95.8 76.4 114.6

97 45.4 37.5 56.3

132 25.2 21.3 31.9





#45

2-Fluorobiphenyl

Concen: 78.934 ng

RT: 13.304 min Scan# 1755

Delta R.T. -0.006 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

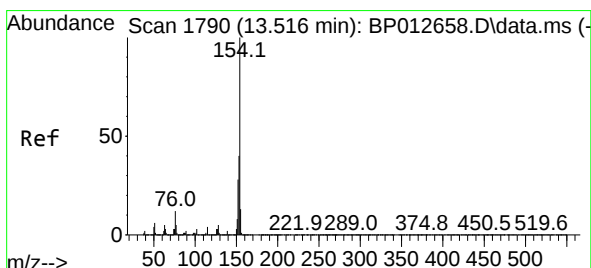
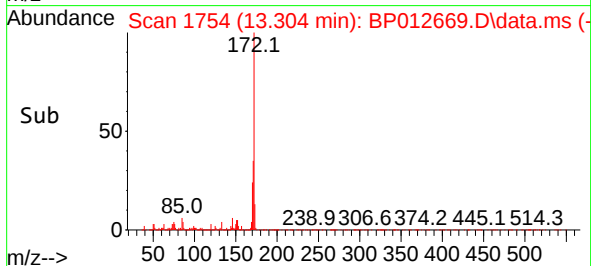
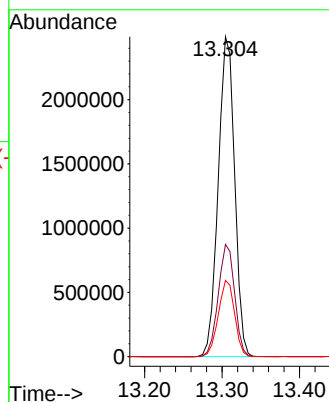
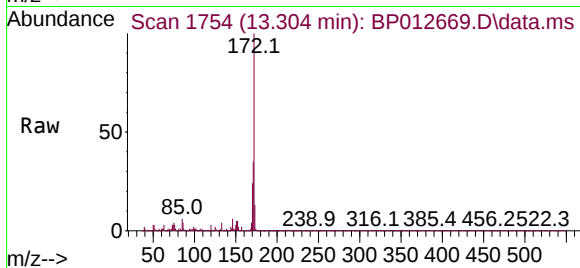
Tgt Ion:172 Resp: 3664005

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.8 19.3 28.9



#46

1,1'-Biphenyl

Concen: 8.427 ng

RT: 13.516 min Scan# 1790

Delta R.T. 0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

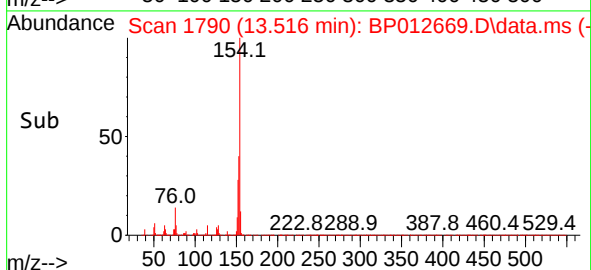
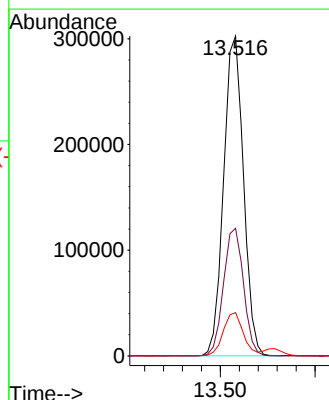
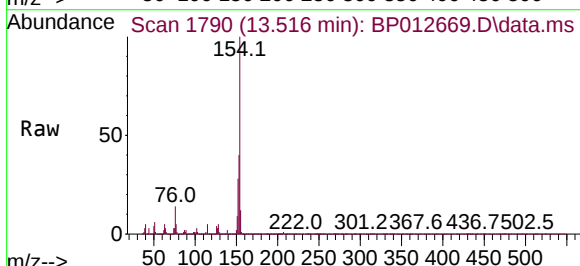
Tgt Ion:154 Resp: 440132

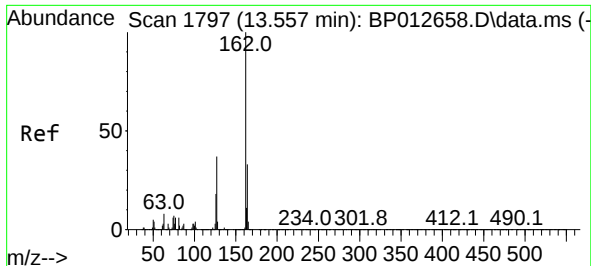
Ion Ratio Lower Upper

154 100

153 39.9 19.6 59.6

76 13.5 0.0 32.4

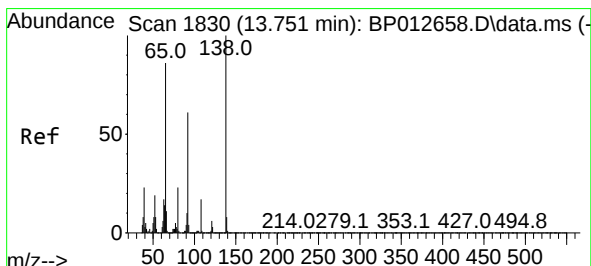
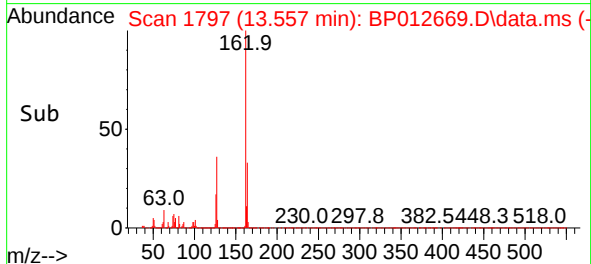
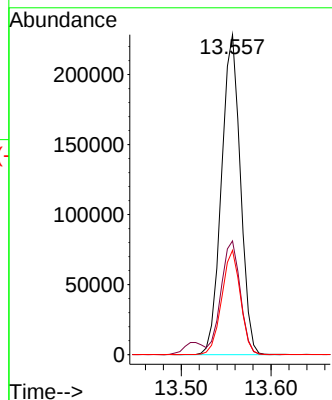
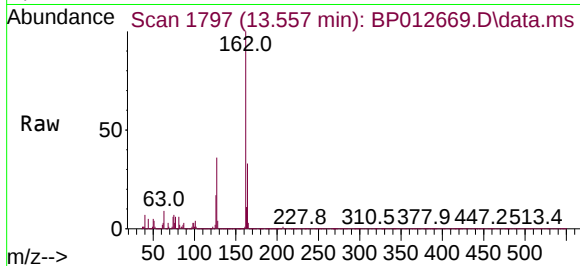




#47
2-Chloronaphthalene
Concen: 8.109 ng
RT: 13.557 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

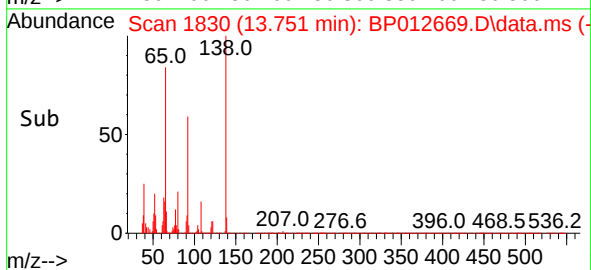
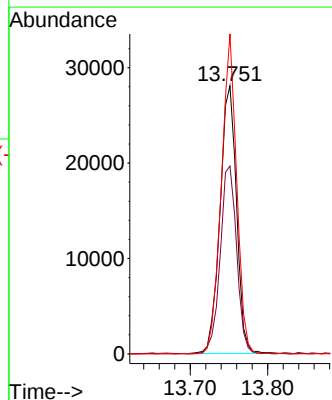
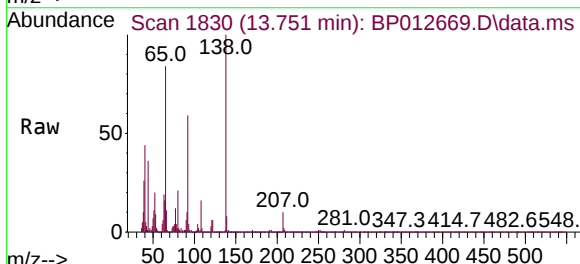
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

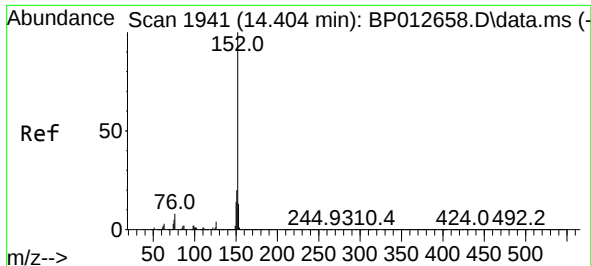
Tgt Ion:162 Resp: 336280
Ion Ratio Lower Upper
162 100
127 35.5 29.4 44.2
164 32.6 26.4 39.6



#48
2-Nitroaniline
Concen: 5.007 ng
RT: 13.751 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion: 65 Resp: 41559
Ion Ratio Lower Upper
65 100
92 70.1 56.7 85.1
138 119.4 92.7 139.1

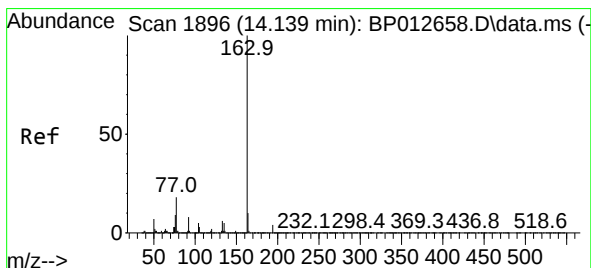
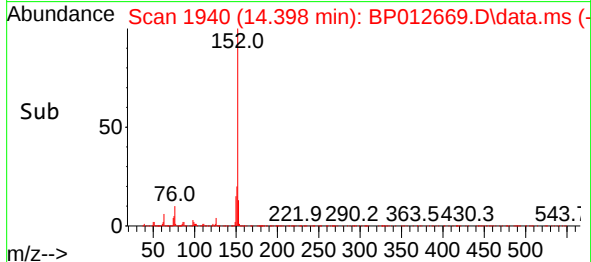
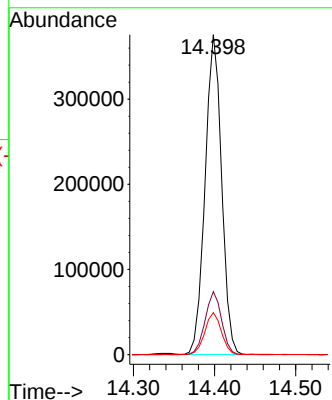
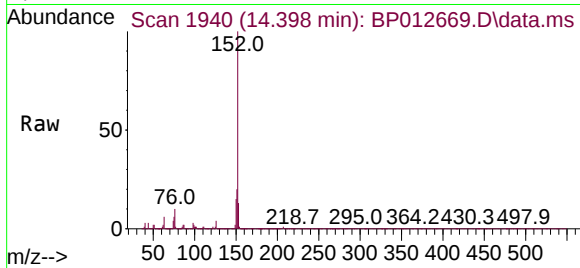




#49
Acenaphthylene
Concen: 7.827 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

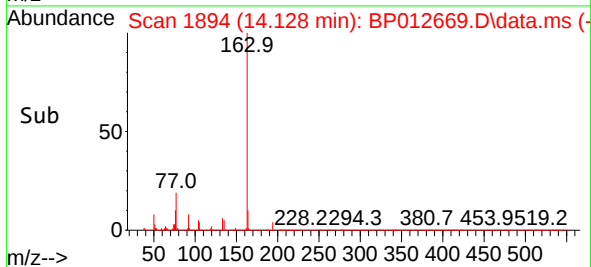
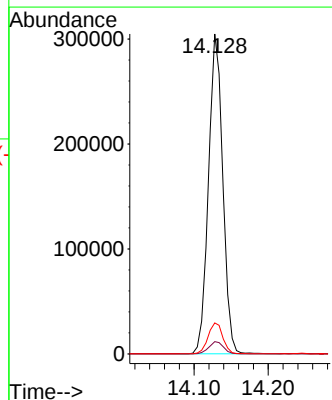
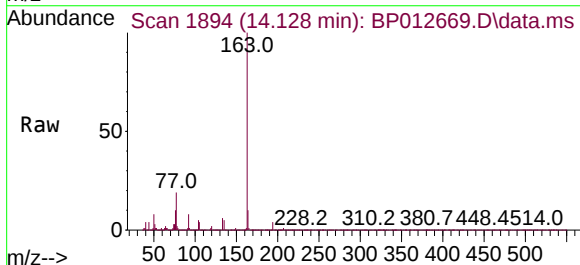
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

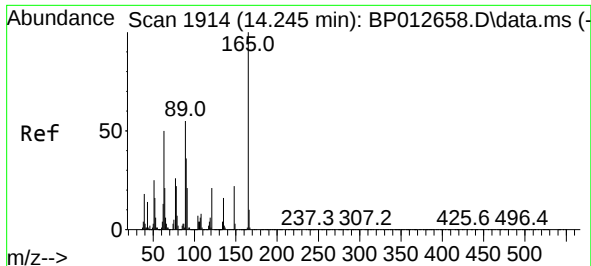
Tgt Ion:152 Resp: 529793
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1
153 13.1 10.6 15.8



#50
Dimethylphthalate
Concen: 7.419 ng
RT: 14.128 min Scan# 1894
Delta R.T. -0.011 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:163 Resp: 408134
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 9.7 8.2 12.4

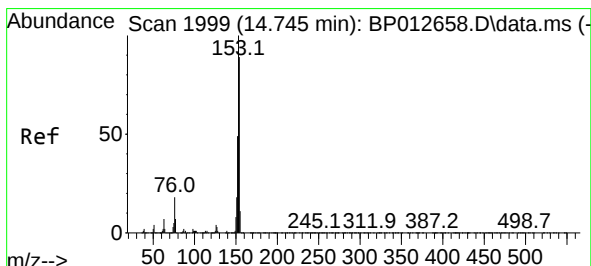
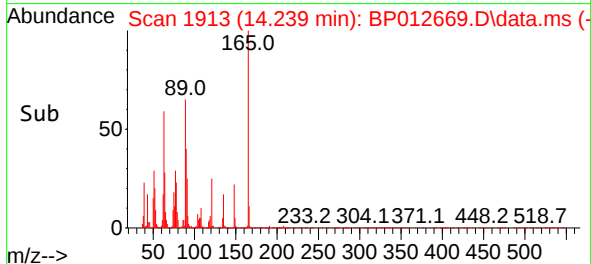
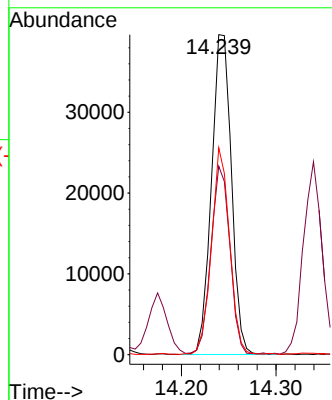
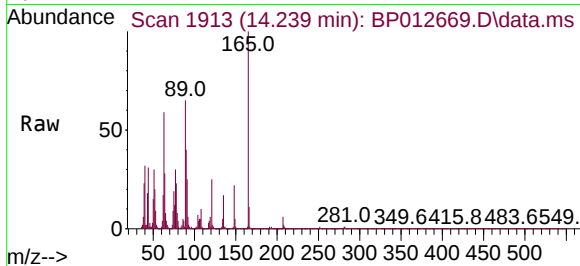




#51
2,6-Dinitrotoluene
Concen: 6.008 ng
RT: 14.239 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

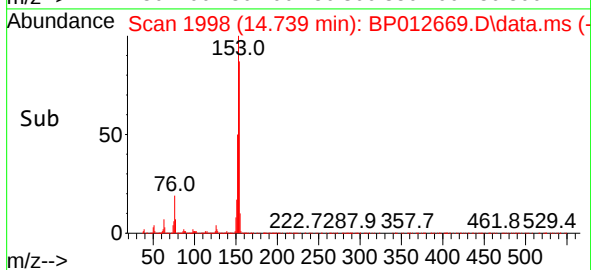
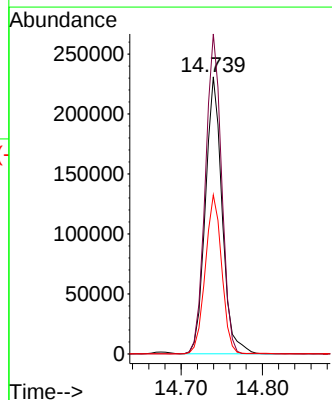
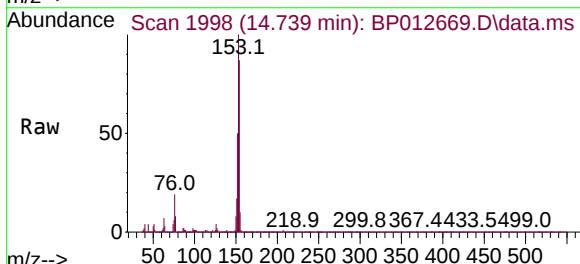
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

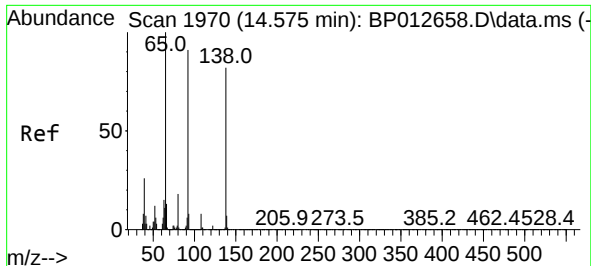
Tgt Ion:165	Resp:	57958
Ion Ratio	Lower	Upper
165	100	
63	58.9	42.6 63.8
89	64.6	44.0 66.0



#52
Acenaphthene
Concen: 7.661 ng
RT: 14.739 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:154	Resp:	330922
Ion Ratio	Lower	Upper
154	100	
153	115.5	90.2 135.2
152	57.4	43.9 65.9

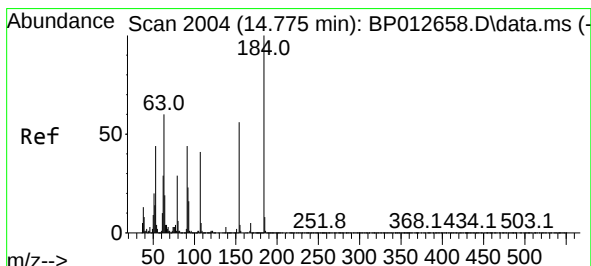
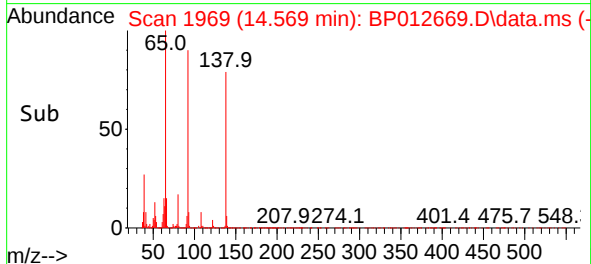
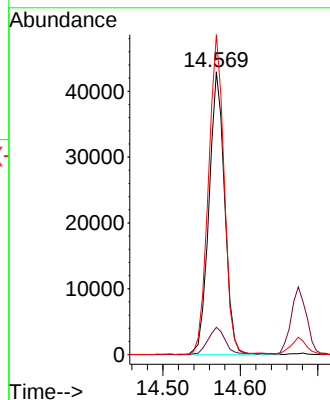
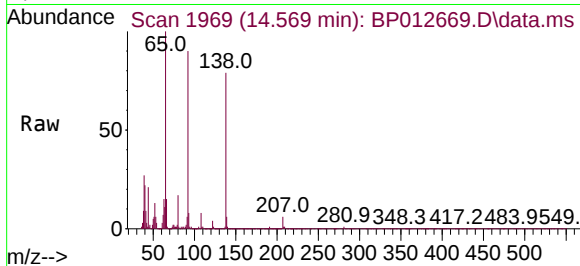




#53
3-Nitroaniline
Concen: 5.446 ng
RT: 14.569 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

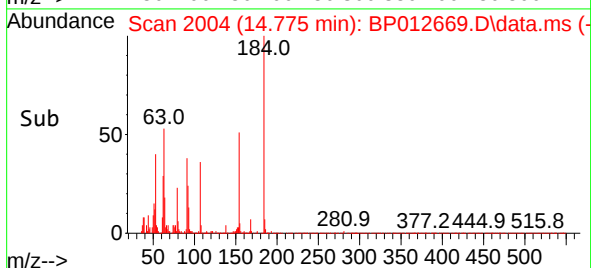
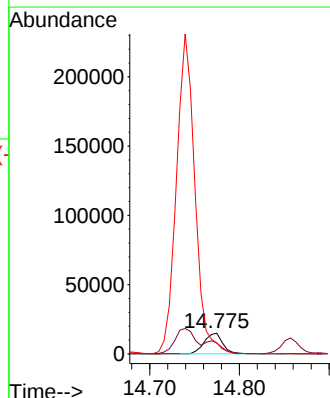
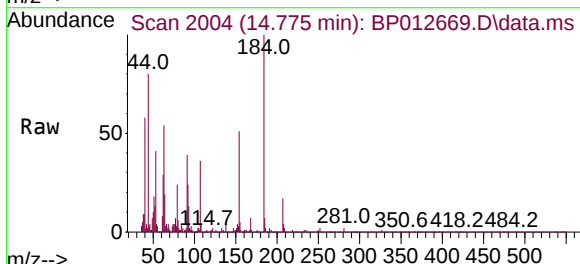
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

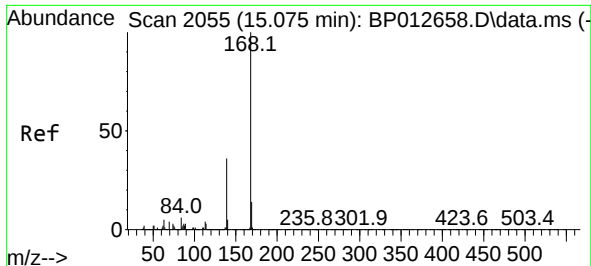
Tgt Ion:138 Resp: 60170
Ion Ratio Lower Upper
138 100
108 9.7 8.2 12.2
92 113.1 89.1 133.7



#54
2,4-Dinitrophenol
Concen: 4.054 ng
RT: 14.775 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:184 Resp: 21718
Ion Ratio Lower Upper
184 100
63 53.7 48.0 72.0
154 51.1 47.1 70.7

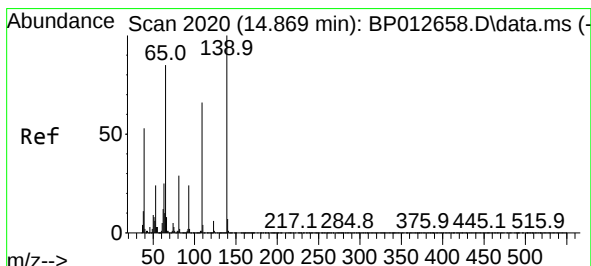
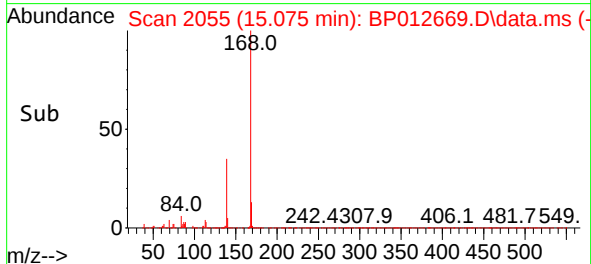
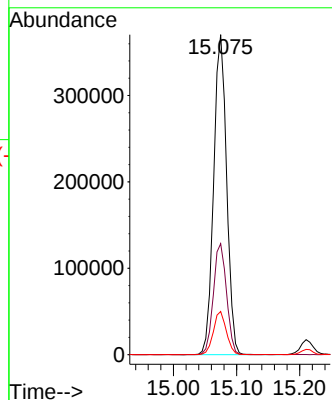
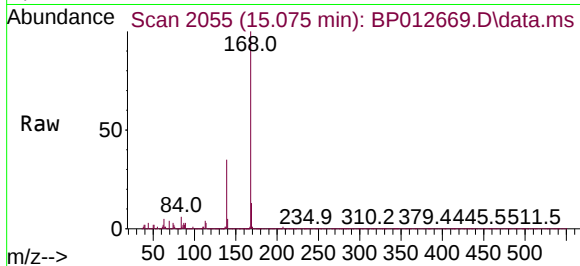




#55
Dibenzofuran
Concen: 8.104 ng
RT: 15.075 min Scan# 2055
Delta R.T. -0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

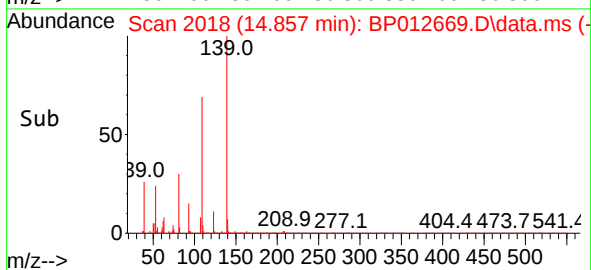
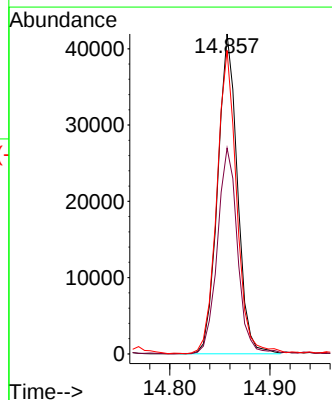
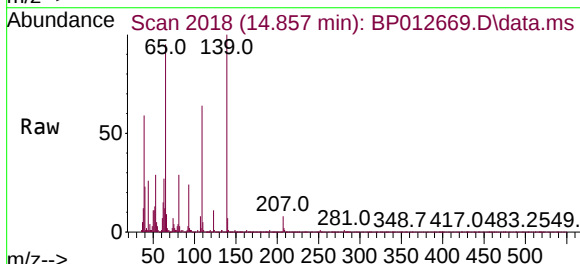
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022

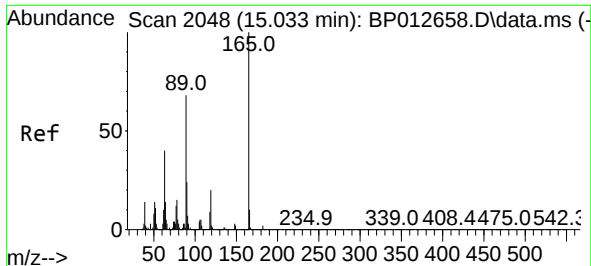
Tgt Ion:	168	Resp:	528435
Ion Ratio	Lower	Upper	
168	100		
139	34.7	29.0	43.6
169	13.5	11.0	16.4



#56
4-Nitrophenol
Concen: 5.552 ng
RT: 14.857 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:	139	Resp:	57413
Ion Ratio	Lower	Upper	
139	100		
109	64.3	45.7	85.7
65	94.8	65.4	105.4

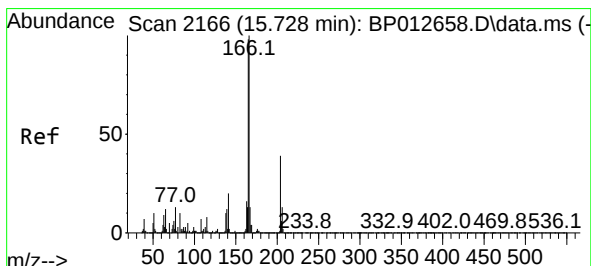
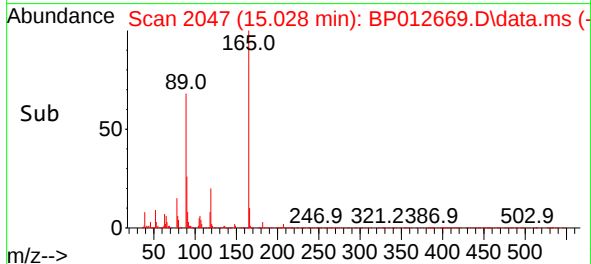
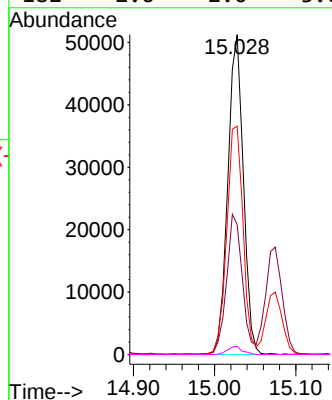
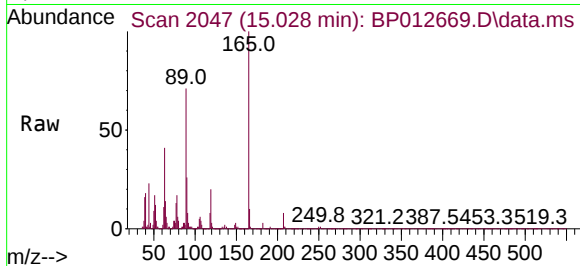




#57
2,4-Dinitrotoluene
Concen: 5.313 ng
RT: 15.028 min Scan# 2048
Delta R.T. -0.005 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

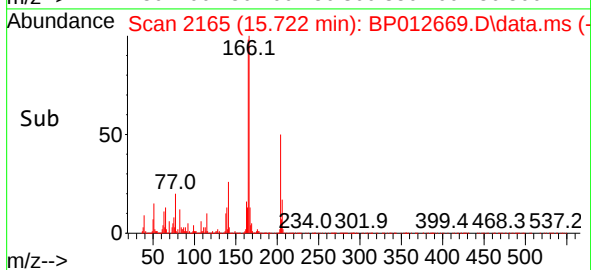
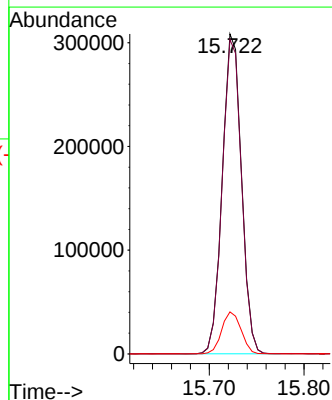
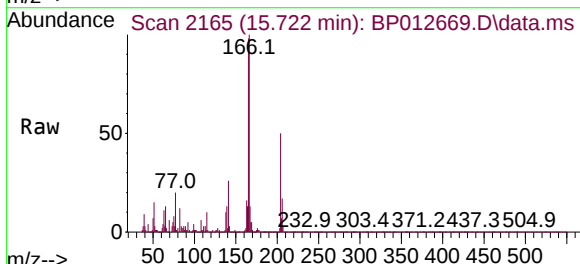
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

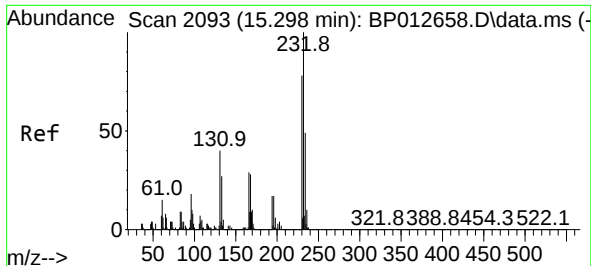
Tgt Ion:	165	Resp:	68177
Ion Ratio	Lower	Upper	
165	100		
63	40.7	32.0	48.0
89	71.4	54.1	81.1
182	2.6	2.0	3.0



#58
Fluorene
Concen: 8.428 ng
RT: 15.722 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:	166	Resp:	432569
Ion Ratio	Lower	Upper	
166	100		
165	98.2	78.8	118.2
167	13.1	10.8	16.2

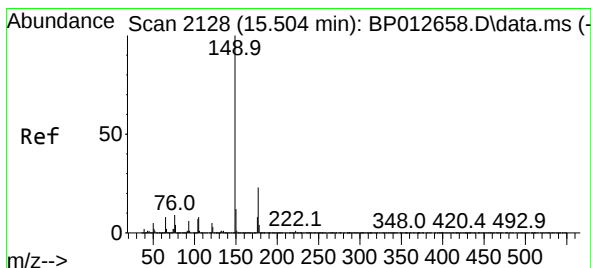
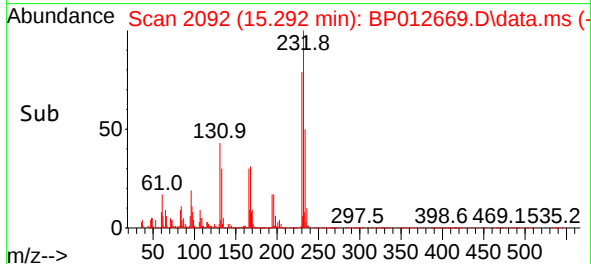
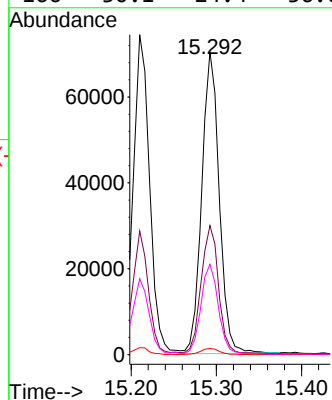
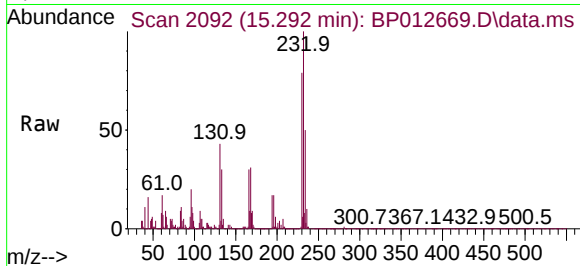




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.928 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

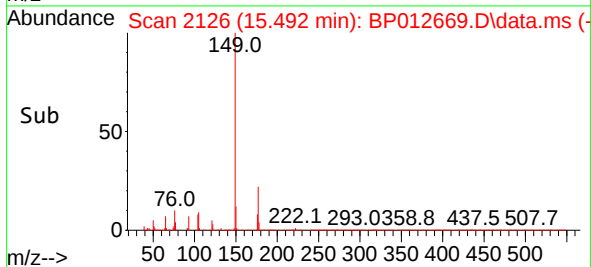
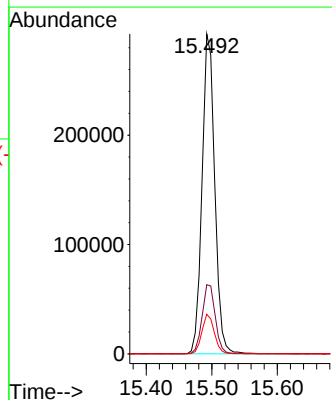
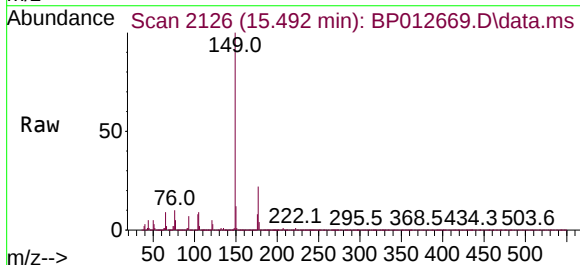
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

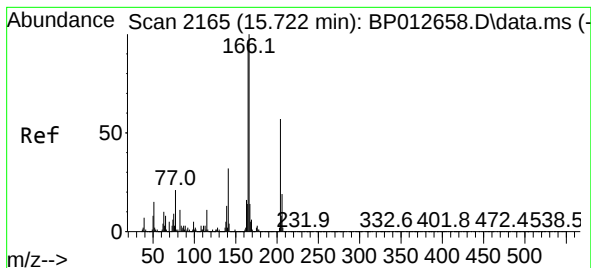
Tgt Ion:232 Resp: 100081
Ion Ratio Lower Upper
232 100
131 42.5 34.3 51.5
130 2.2 1.8 2.6
166 30.1 24.4 36.6



#60
Diethylphthalate
Concen: 7.222 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.012 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:149 Resp: 390802
Ion Ratio Lower Upper
149 100
177 21.6 18.2 27.4
150 12.4 9.8 14.6

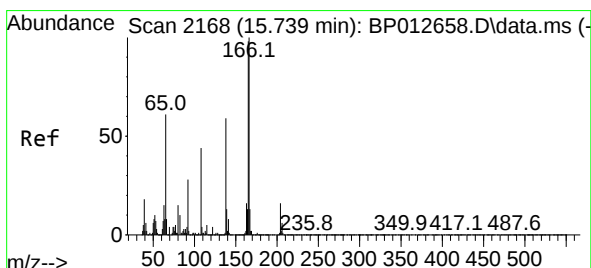
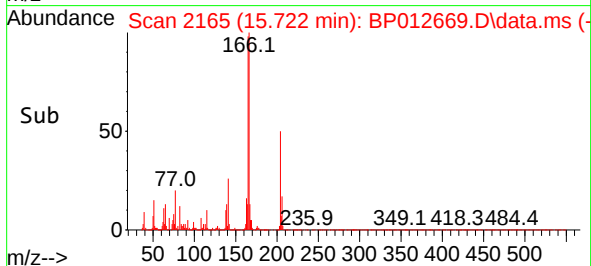
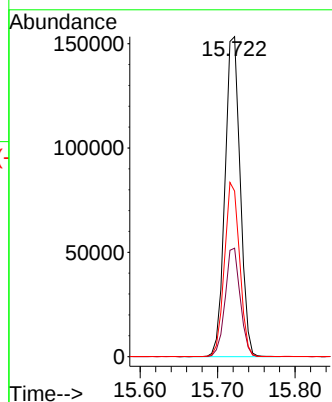
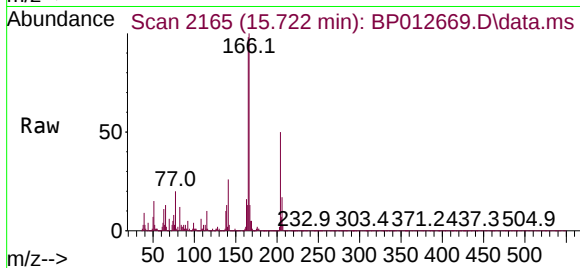




#61
4-Chlorophenyl-phenylether
Concen: 8.500 ng
RT: 15.722 min Scan# 2165
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

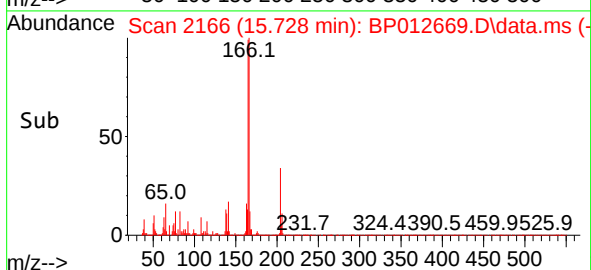
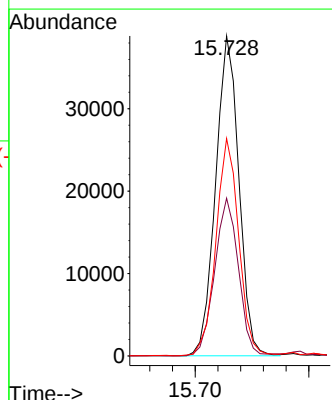
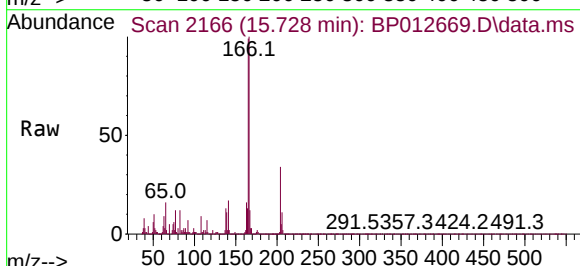
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

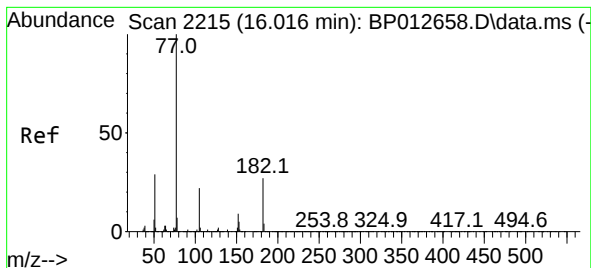
Tgt Ion:204 Resp: 209702
Ion Ratio Lower Upper
204 100
206 33.9 26.9 40.3
141 51.7 44.3 66.5



#62
4-Nitroaniline
Concen: 5.102 ng
RT: 15.728 min Scan# 2166
Delta R.T. -0.011 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:138 Resp: 55145
Ion Ratio Lower Upper
138 100
92 49.3 28.2 68.2
108 67.9 53.7 93.7





#63

Azobenzene

Concen: 7.783 ng

RT: 16.016 min Scan# 2215

Delta R.T. 0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 77 Resp: 384832

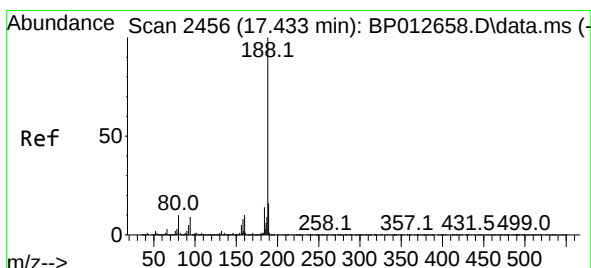
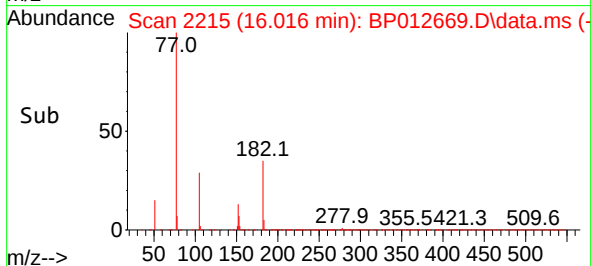
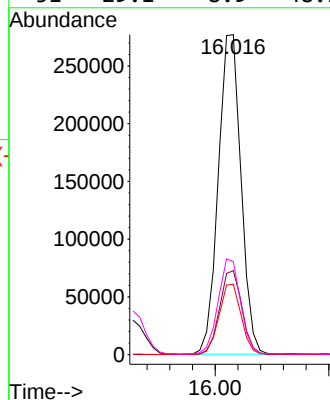
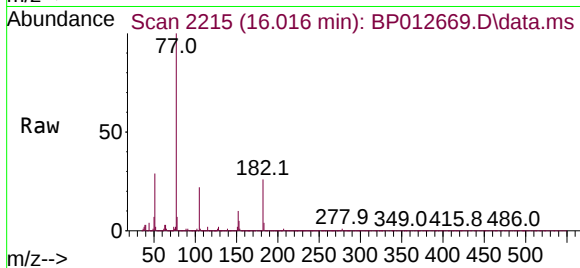
Ion Ratio Lower Upper

77 100

182 26.2 7.1 47.1

105 22.0 1.9 41.9

51 29.1 8.9 48.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.433 min Scan# 2456

Delta R.T. 0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

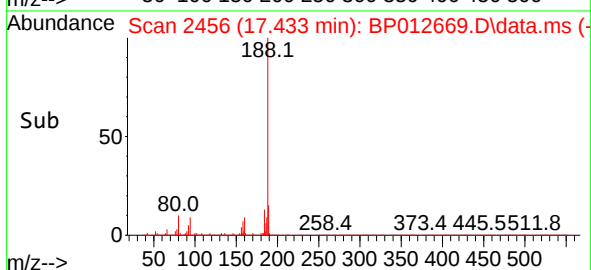
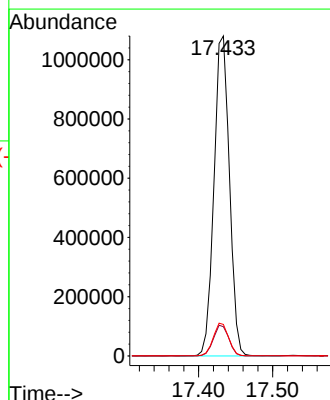
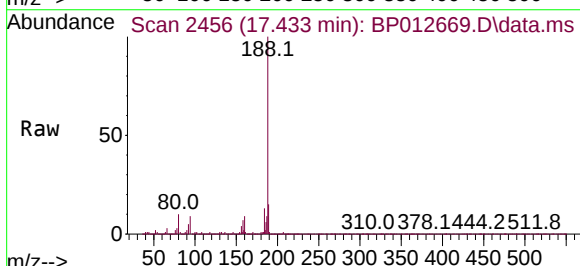
Tgt Ion: 188 Resp: 1562545

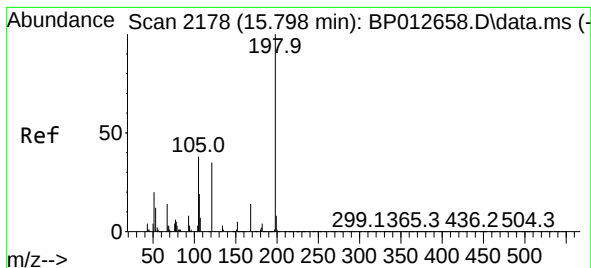
Ion Ratio Lower Upper

188 100

94 9.1 7.5 11.3

80 9.8 8.2 12.2

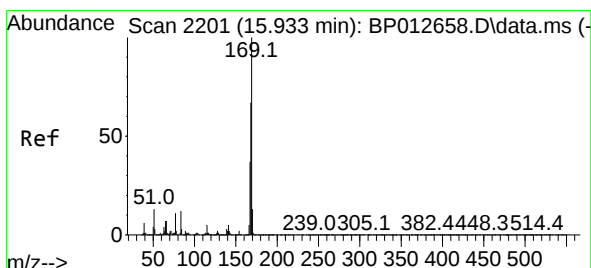
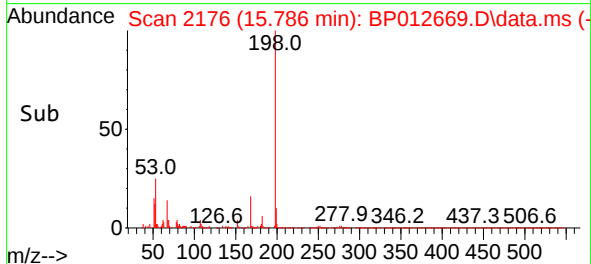
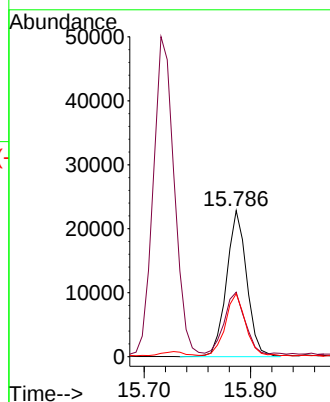
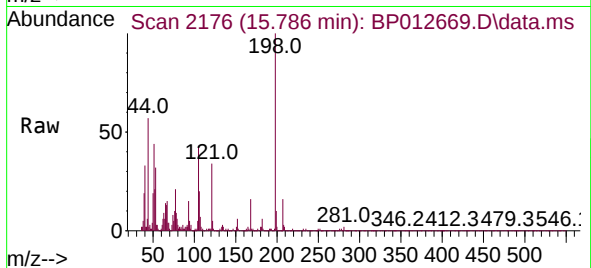




#65
4,6-Dinitro-2-methylphenol
Concen: 3.926 ng
RT: 15.786 min Scan# 2178
Delta R.T. -0.012 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

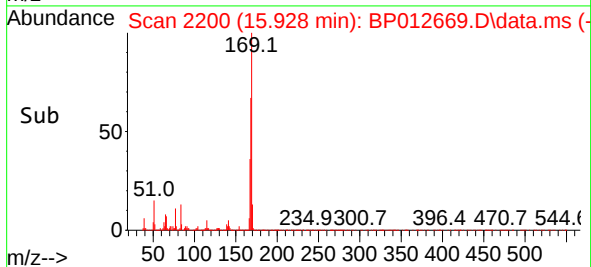
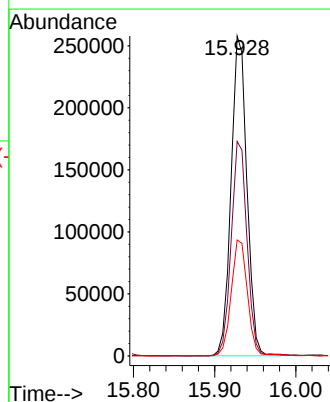
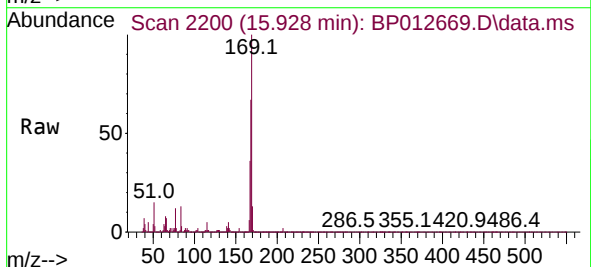
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

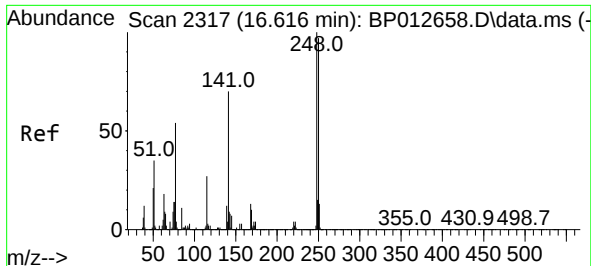
Tgt Ion:198 Resp: 30127
Ion Ratio Lower Upper
198 100
51 44.2 18.2 58.2
105 43.1 19.6 59.6



#66
n-Nitrosodiphenylamine
Concen: 7.497 ng
RT: 15.928 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:169 Resp: 349110
Ion Ratio Lower Upper
169 100
168 67.0 53.5 80.3
167 36.3 29.3 43.9

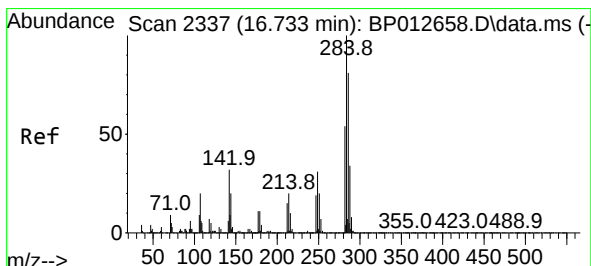
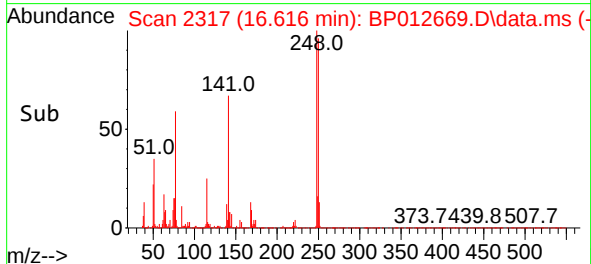
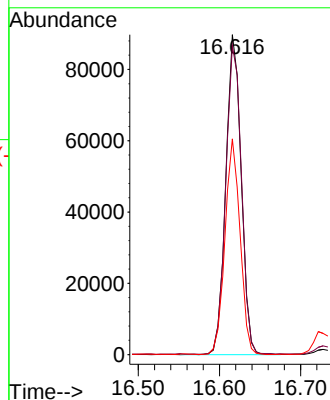
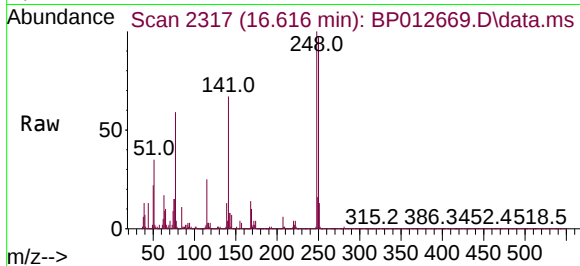




#67
4-Bromophenyl-phenylether
Concen: 7.210 ng
RT: 16.616 min Scan# 2317
Delta R.T. 0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

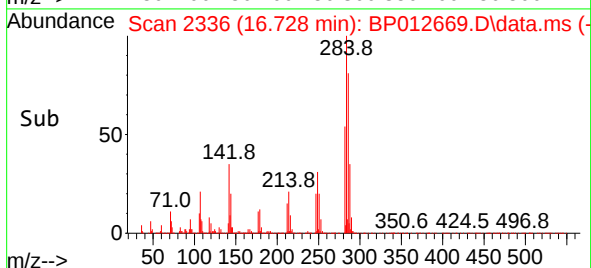
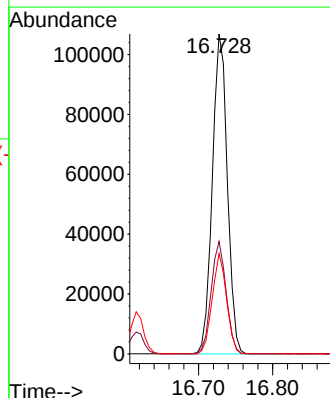
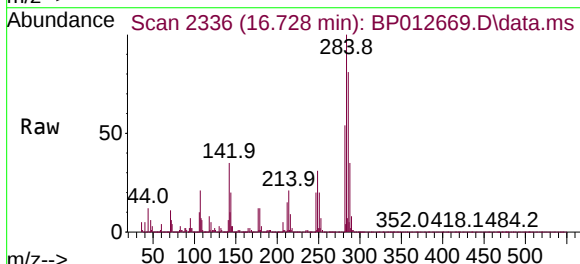
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

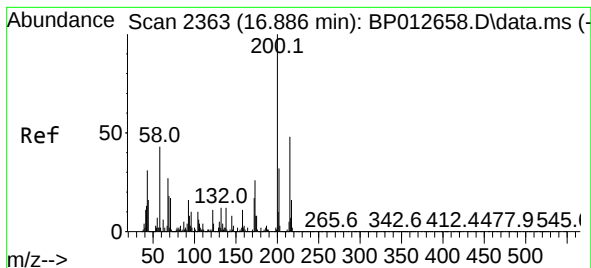
Tgt Ion:248 Resp: 117794
Ion Ratio Lower Upper
248 100
250 96.5 77.4 116.2
141 67.4 55.6 83.4



#68
Hexachlorobenzene
Concen: 7.916 ng
RT: 16.728 min Scan# 2336
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:284 Resp: 149998
Ion Ratio Lower Upper
284 100
142 35.1 25.8 38.6
249 31.3 25.0 37.4





#69

Atrazine

Concen: 7.477 ng

RT: 16.881 min Scan# 2363

Delta R.T. -0.006 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

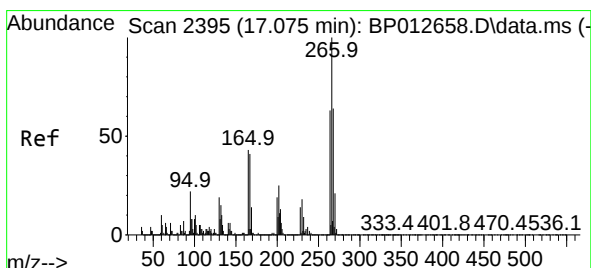
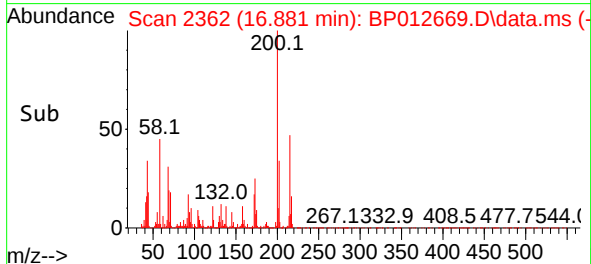
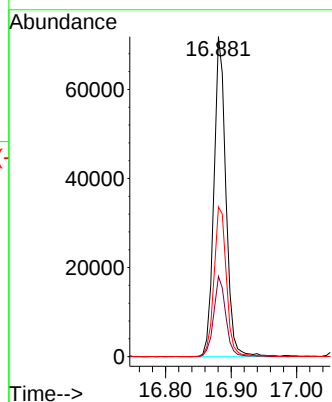
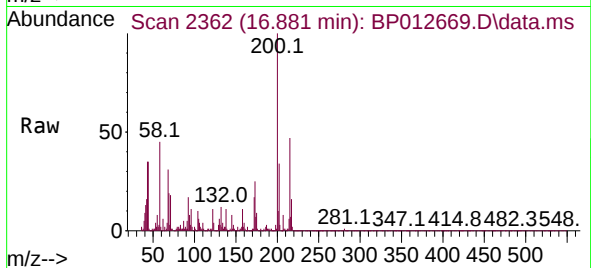
Tgt Ion:200 Resp: 91747

Ion Ratio Lower Upper

200 100

173 25.1 6.2 46.2

215 46.8 28.4 68.4



#70

Pentachlorophenol

Concen: 6.595 ng

RT: 17.069 min Scan# 2394

Delta R.T. -0.006 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

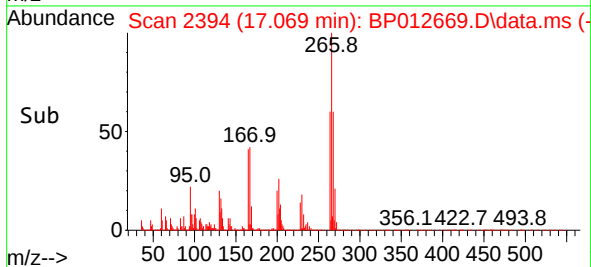
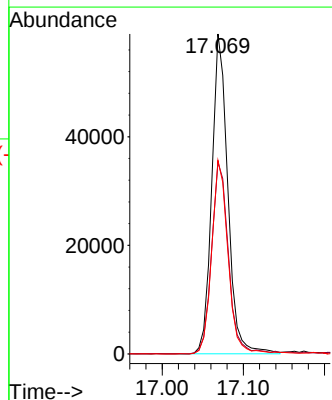
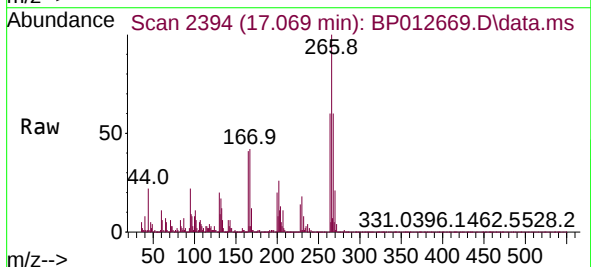
Tgt Ion:266 Resp: 81104

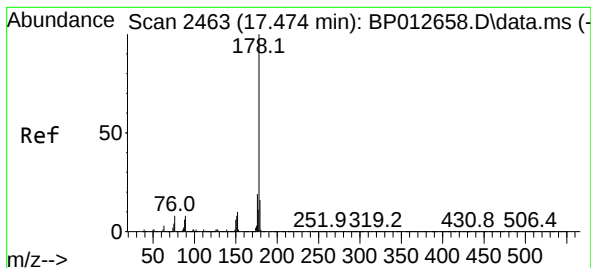
Ion Ratio Lower Upper

266 100

268 59.9 51.4 77.0

264 60.5 50.6 75.8





#71

Phenanthrene

Concen: 7.917 ng

RT: 17.475 min Scan# 24

Delta R.T. 0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

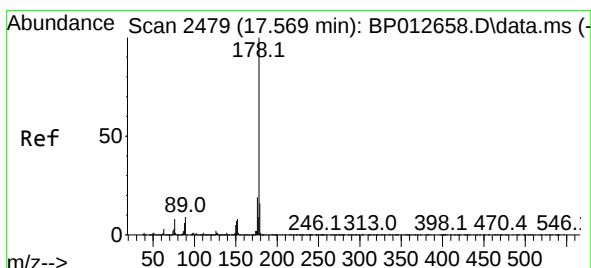
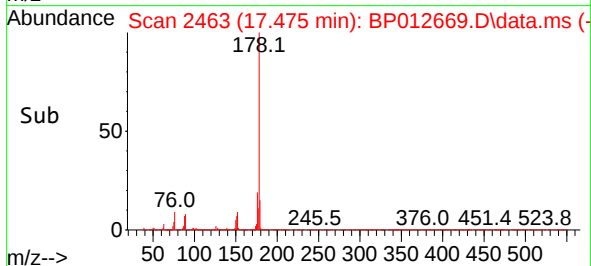
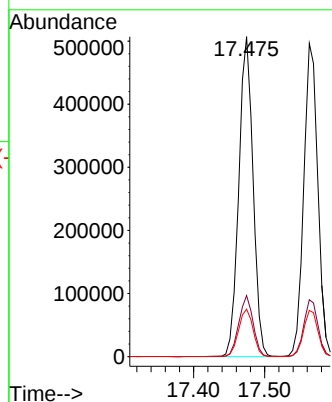
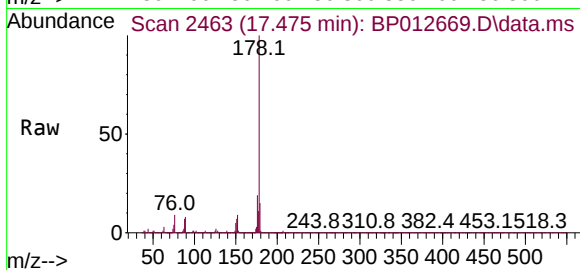
Tgt Ion:178 Resp: 701688

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 14.8 12.5 18.7



#72

Anthracene

Concen: 8.003 ng

RT: 17.563 min Scan# 2478

Delta R.T. -0.006 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

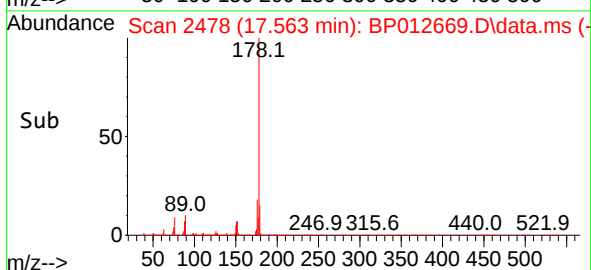
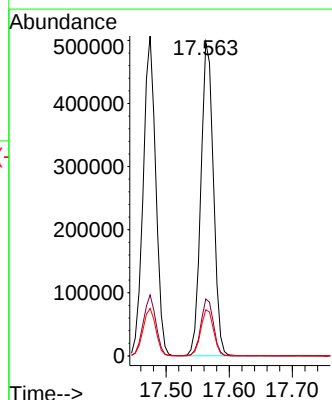
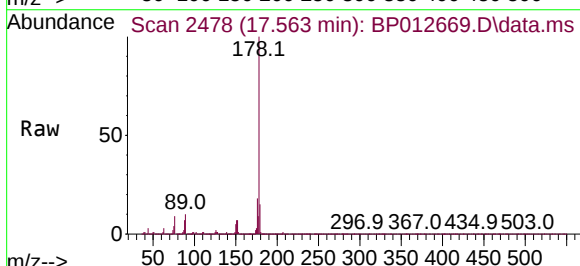
Tgt Ion:178 Resp: 684360

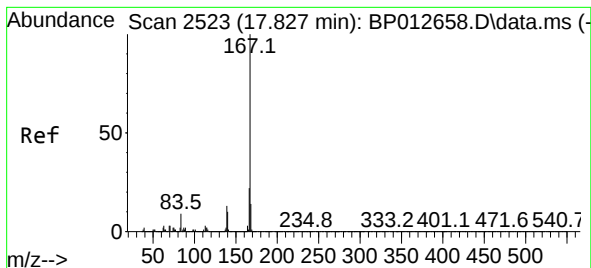
Ion Ratio Lower Upper

178 100

176 18.2 15.3 22.9

179 14.7 12.8 19.2





#73

Carbazole

Concen: 7.797 ng

RT: 17.828 min Scan# 2523

Delta R.T. 0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

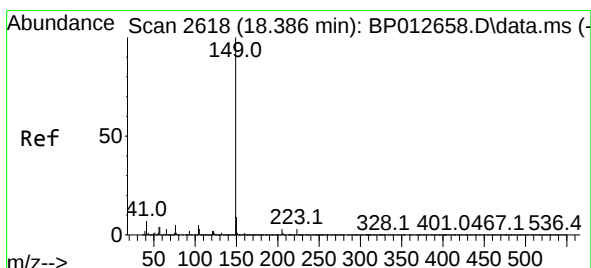
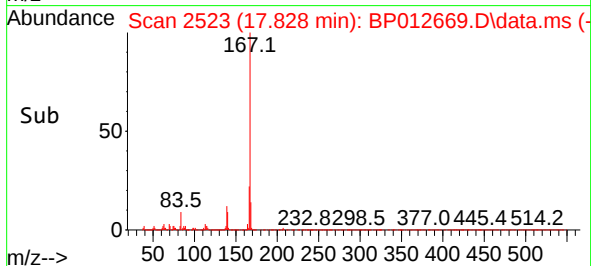
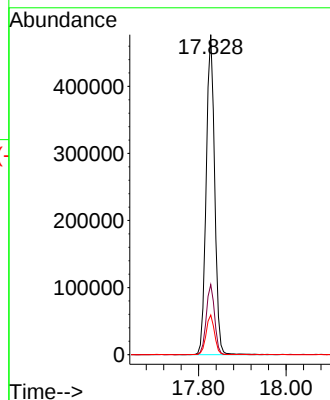
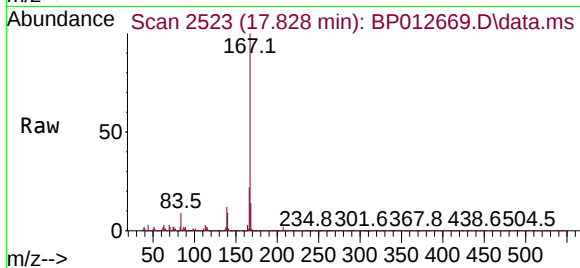
Tgt Ion:167 Resp: 633220

Ion Ratio Lower Upper

167 100

166 21.9 17.4 26.2

139 12.4 10.2 15.2



#74

Di-n-butylphthalate

Concen: 6.169 ng

RT: 18.386 min Scan# 2618

Delta R.T. 0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

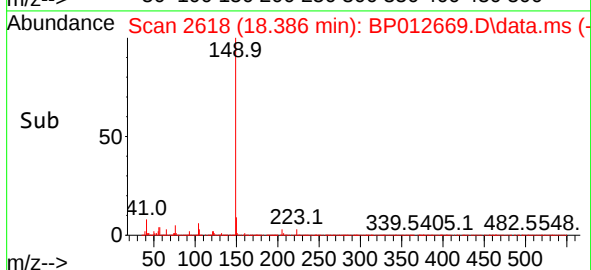
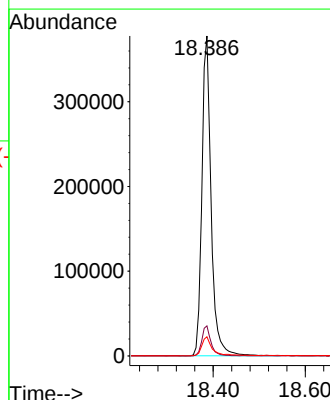
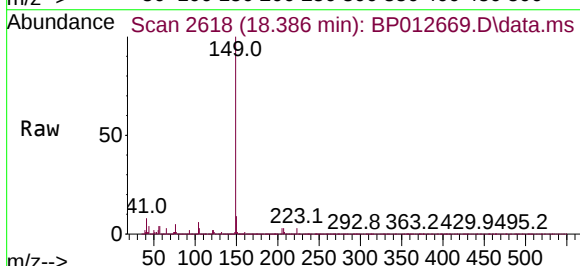
Tgt Ion:149 Resp: 522303

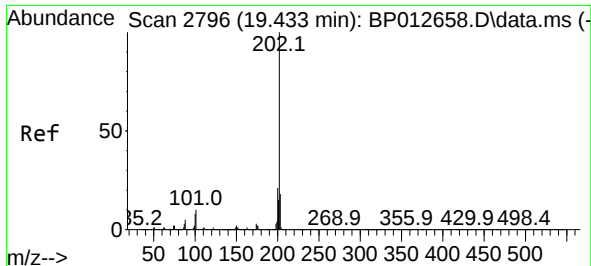
Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

104 6.0 4.0 6.0

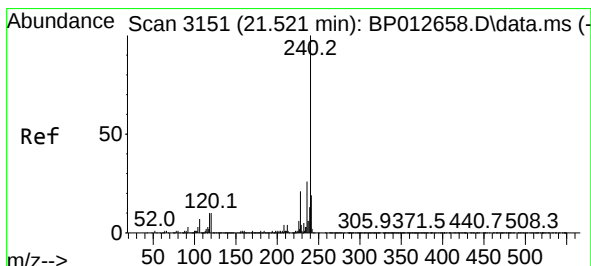
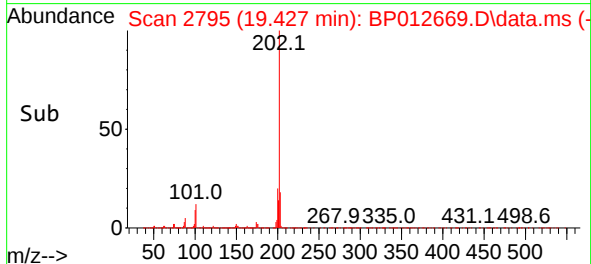
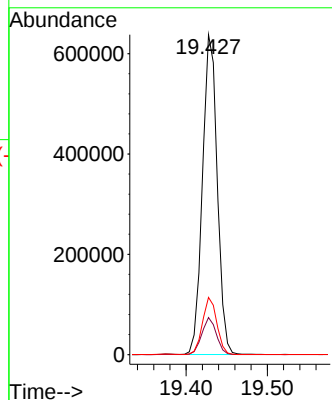
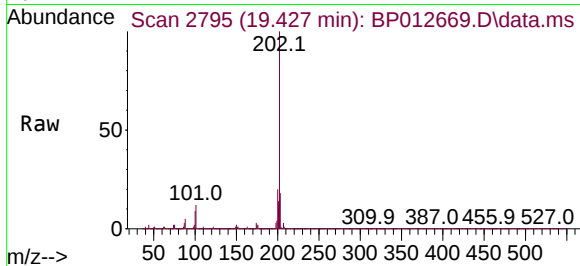




#75
Fluoranthene
Concen: 7.684 ng
RT: 19.427 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

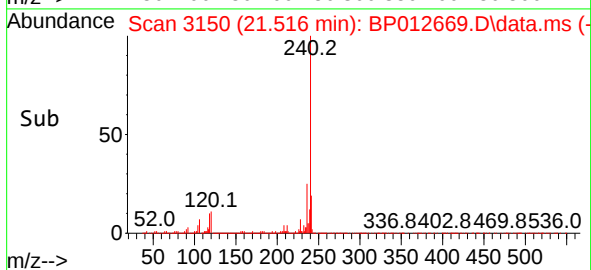
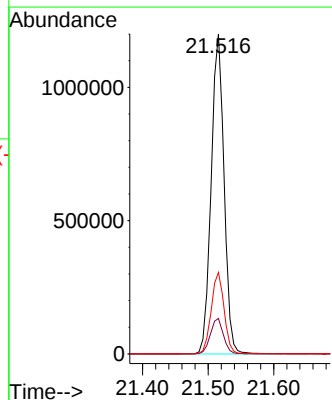
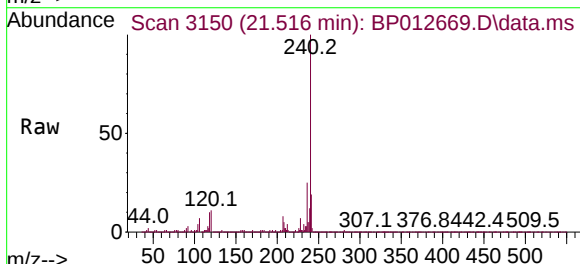
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

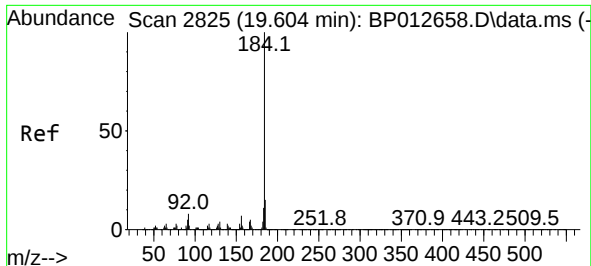
Tgt Ion:202 Resp: 806868
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.4
203 17.9 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3150
Delta R.T. -0.005 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:240 Resp: 1635623
Ion Ratio Lower Upper
240 100
120 11.1 8.2 12.2
236 25.5 20.4 30.6

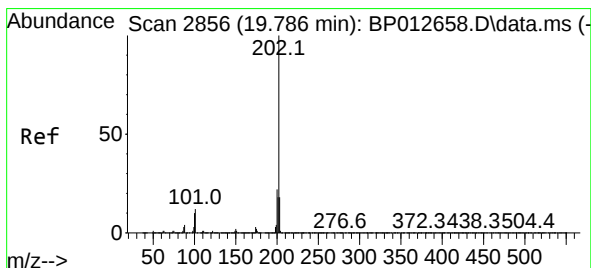
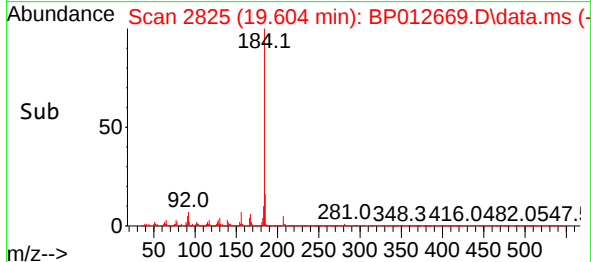
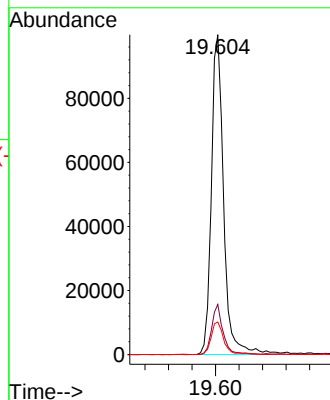
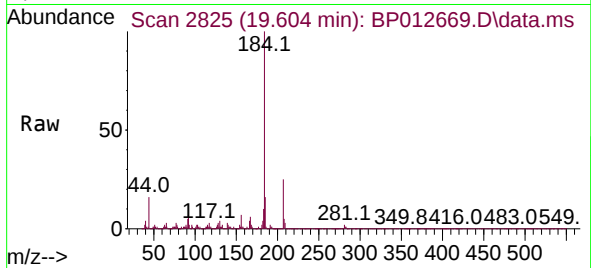




#77
Benzidine
Concen: 6.419 ng
RT: 19.604 min Scan# 2825
Delta R.T. -0.000 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

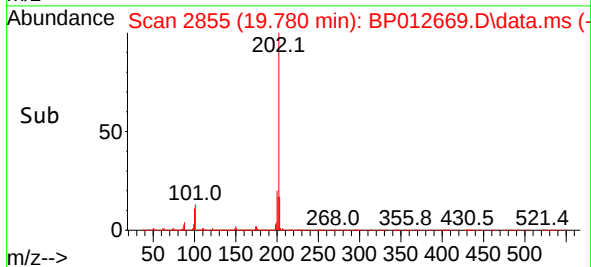
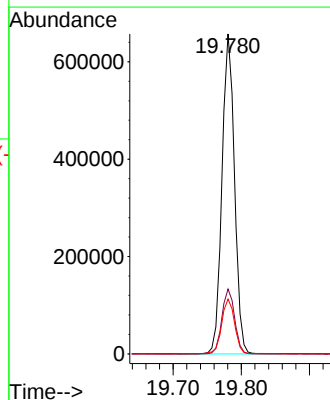
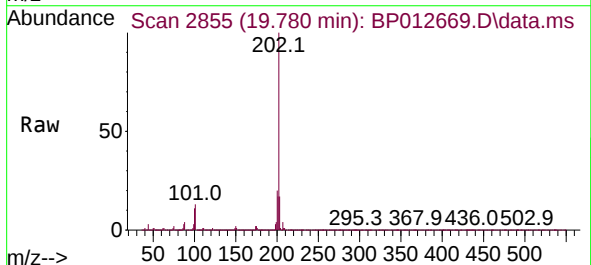
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

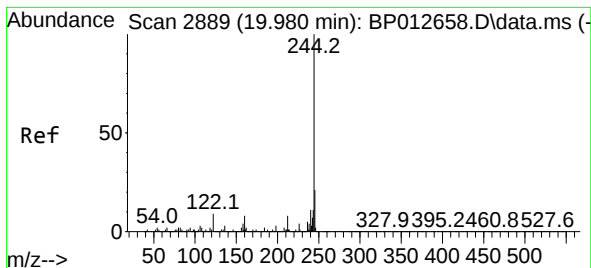
Tgt Ion:184 Resp: 144343
Ion Ratio Lower Upper
184 100
185 15.7 12.2 18.2
183 10.2 9.0 13.4



#78
Pyrene
Concen: 7.180 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:202 Resp: 829883
Ion Ratio Lower Upper
202 100
200 20.3 17.4 26.0
203 17.1 14.3 21.5





#79

Terphenyl-d14

Concen: 80.167 ng

RT: 19.980 min Scan# 2889

Delta R.T. 0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

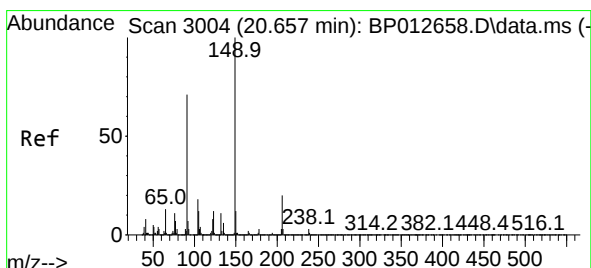
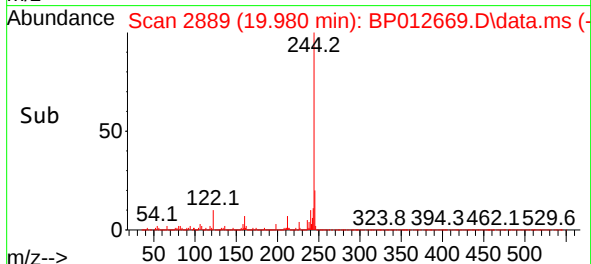
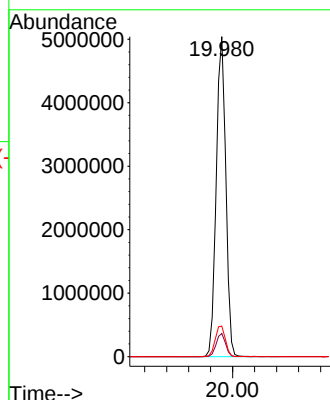
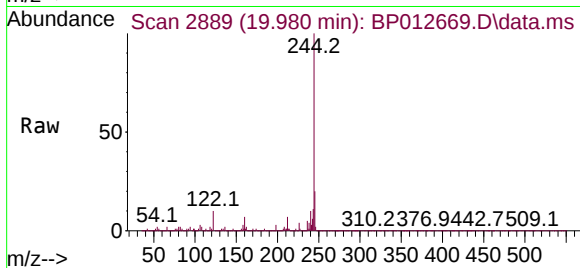
Tgt Ion:244 Resp: 6068773

Ion Ratio Lower Upper

244 100

212 7.2 6.3 9.5

122 9.5 7.5 11.3



#80

Butylbenzylphthalate

Concen: 4.369 ng

RT: 20.657 min Scan# 3004

Delta R.T. -0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

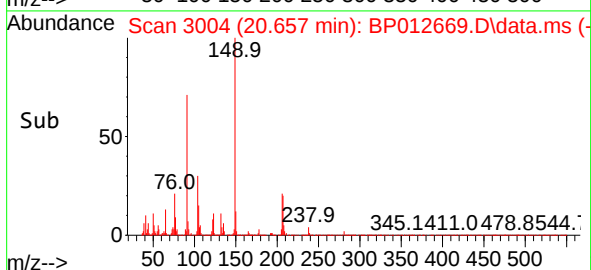
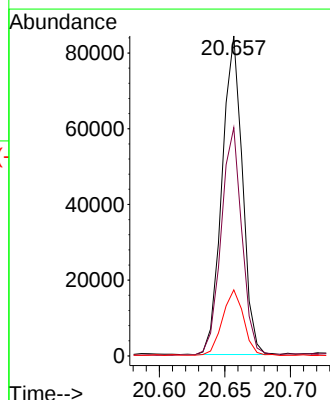
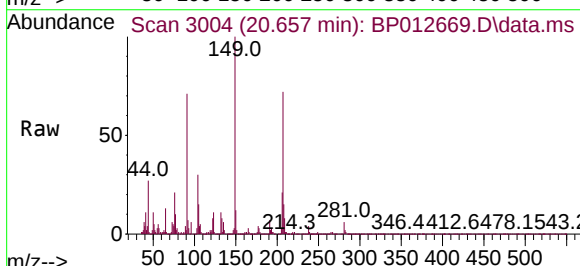
Tgt Ion:149 Resp: 91151

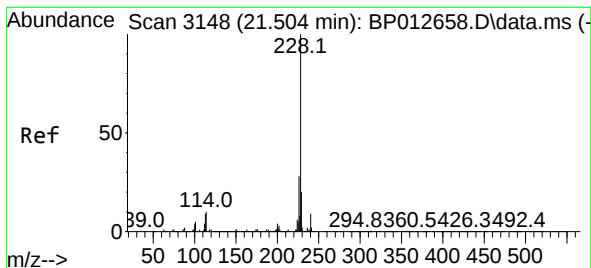
Ion Ratio Lower Upper

149 100

91 71.3 56.9 85.3

206 20.6 16.1 24.1





#81

Benzo(a)anthracene

Concen: 7.409 ng

RT: 21.498 min Scan# 3148

Delta R.T. -0.006 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

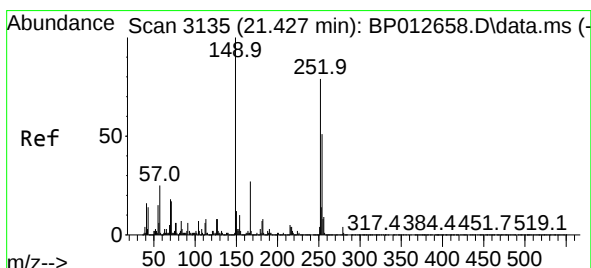
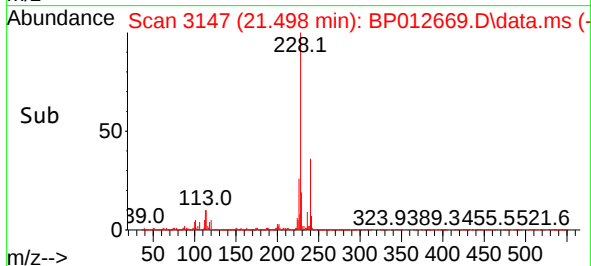
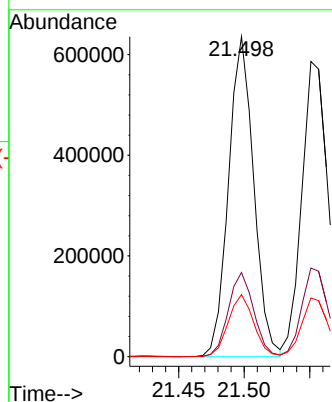
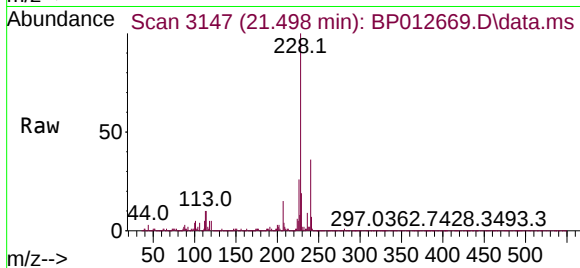
Tgt Ion:228 Resp: 849552

Ion Ratio Lower Upper

228 100

226 26.3 22.2 33.2

229 19.4 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 4.937 ng

RT: 21.421 min Scan# 3134

Delta R.T. -0.006 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

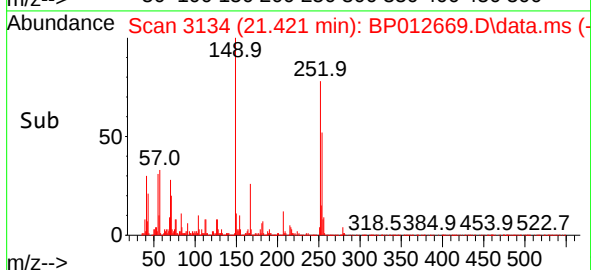
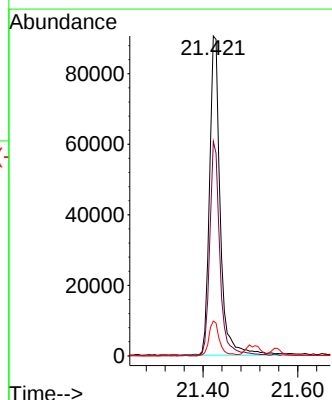
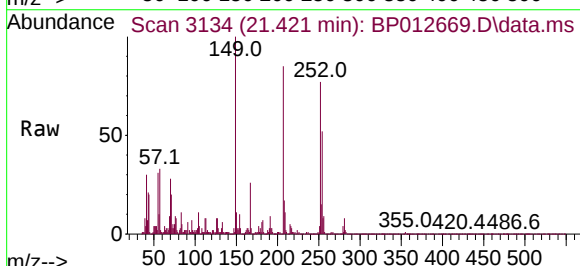
Tgt Ion:252 Resp: 142506

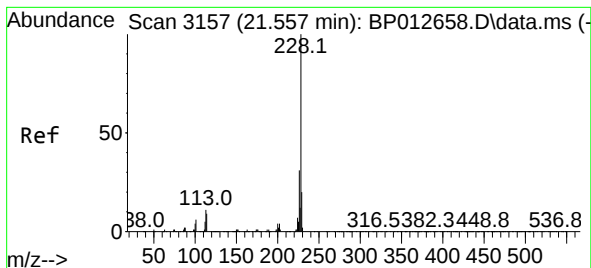
Ion Ratio Lower Upper

252 100

254 67.0 51.9 77.9

126 10.9 8.2 12.4





#83

Chrysene

Concen: 7.473 ng

RT: 21.551 min Scan# 3157

Delta R.T. -0.006 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

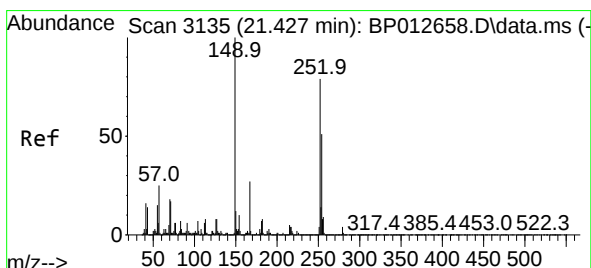
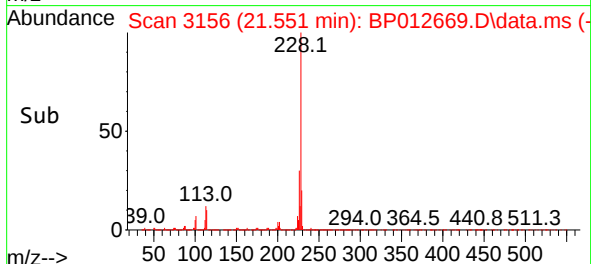
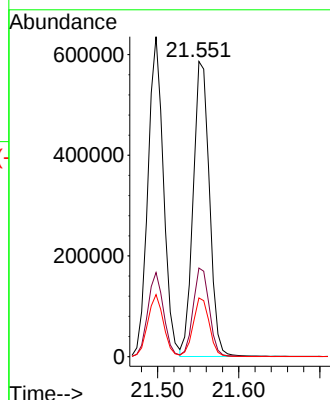
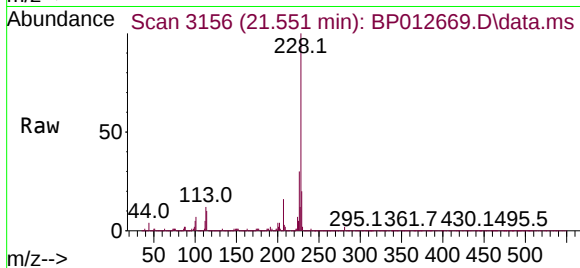
Tgt Ion:228 Resp: 812556

Ion Ratio Lower Upper

228 100

226 30.0 24.6 36.8

229 19.9 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.432 ng

RT: 21.427 min Scan# 3135

Delta R.T. 0.000 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

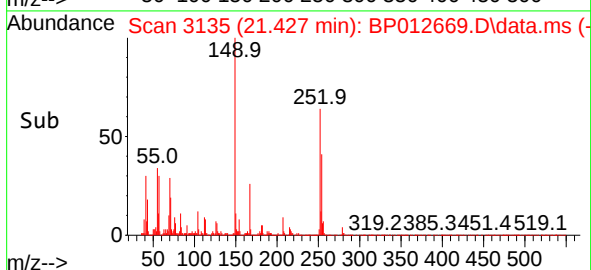
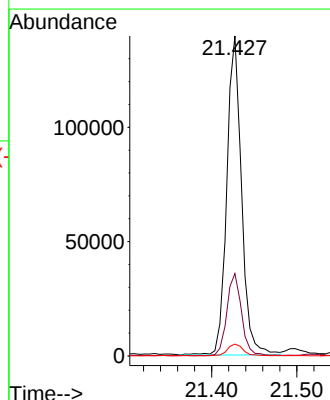
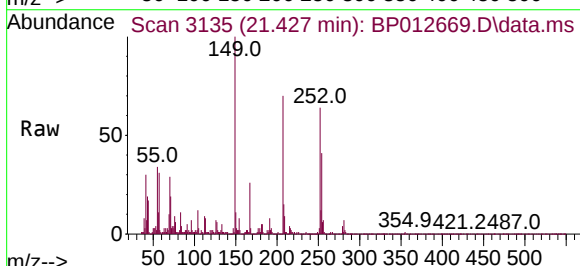
Tgt Ion:149 Resp: 167573

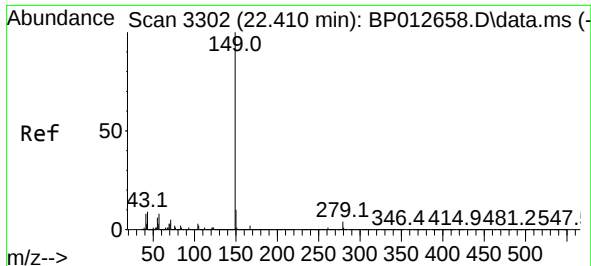
Ion Ratio Lower Upper

149 100

167 25.8 21.7 32.5

279 3.7 3.1 4.7

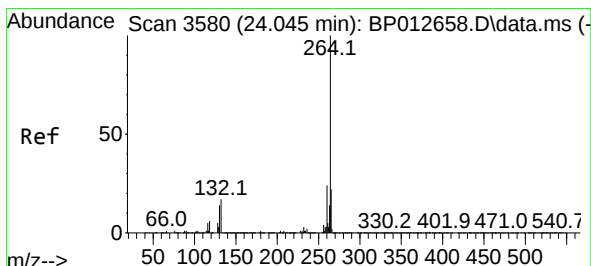
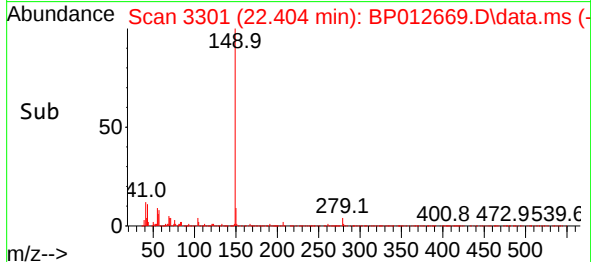
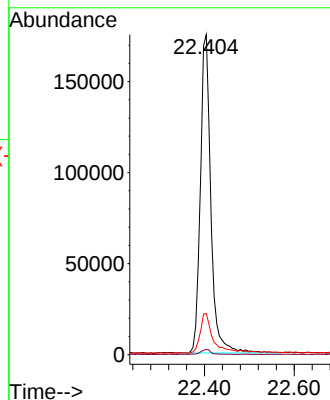
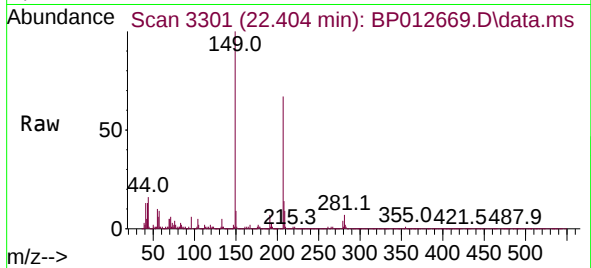




#85
Di-n-octyl phthalate
Concen: 3.548 ng
RT: 22.404 min Scan# 331
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

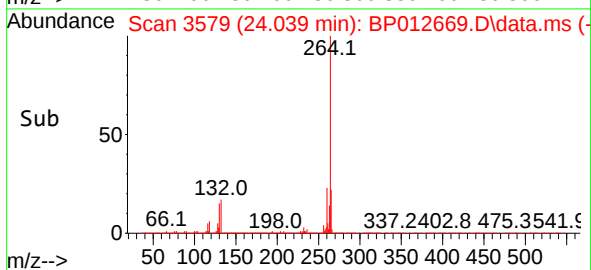
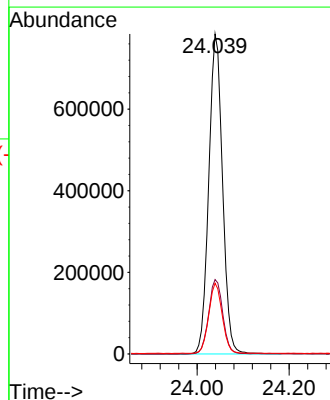
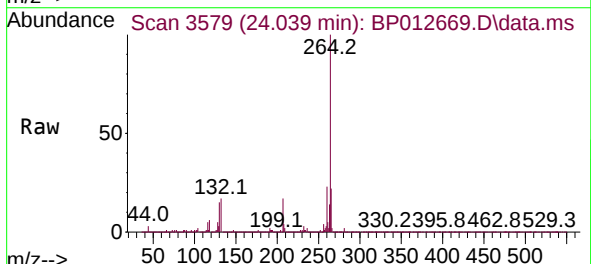
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

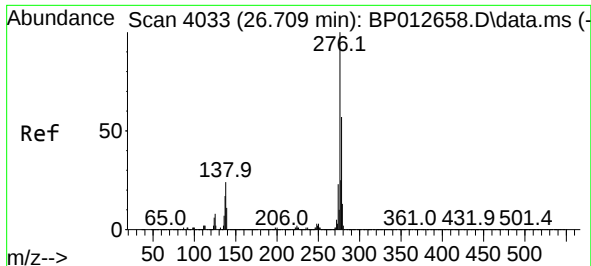
Tgt Ion:149 Resp: 283767
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 15.0 8.9 13.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.039 min Scan# 3579
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:264 Resp: 1618372
Ion Ratio Lower Upper
264 100
260 23.2 19.3 28.9
265 22.1 17.3 25.9

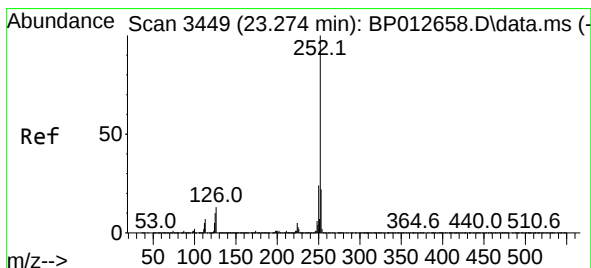
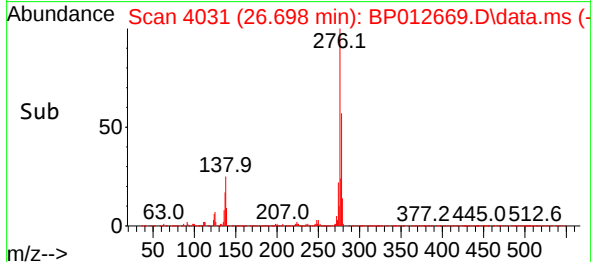
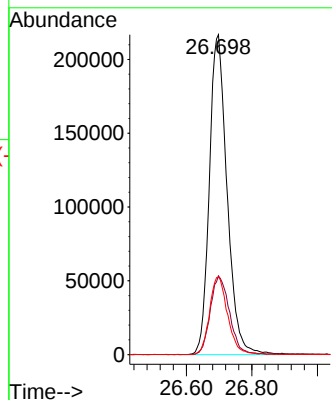
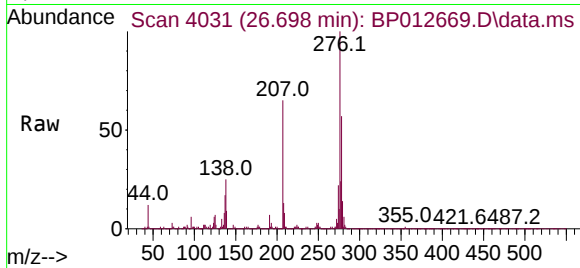




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.902 ng
RT: 26.698 min Scan# 4033
Delta R.T. -0.012 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

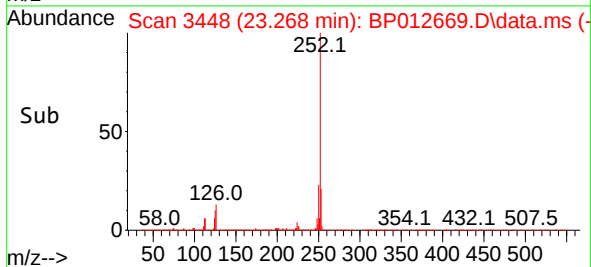
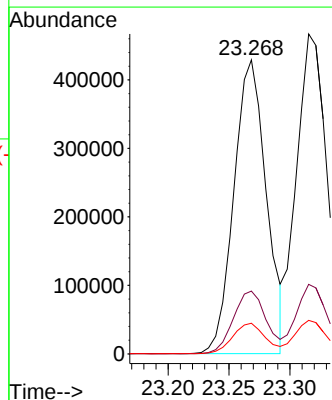
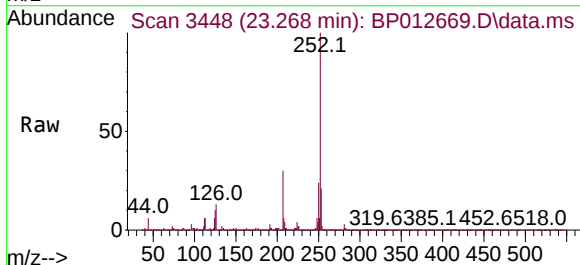
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

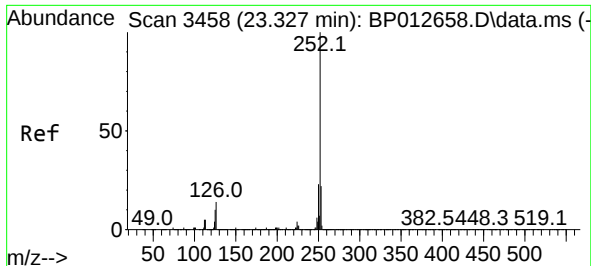
Tgt Ion:276 Resp: 813152
Ion Ratio Lower Upper
276 100
138 26.5 20.8 31.2
277 24.8 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 7.419 ng
RT: 23.268 min Scan# 3448
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:252 Resp: 794907
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.8
125 10.4 7.9 11.9

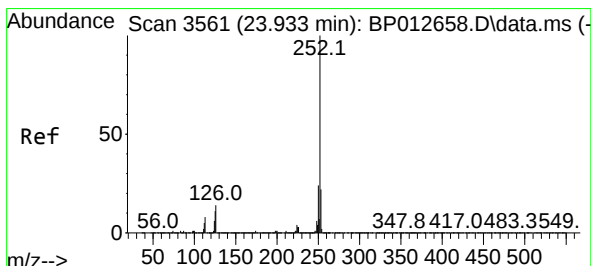
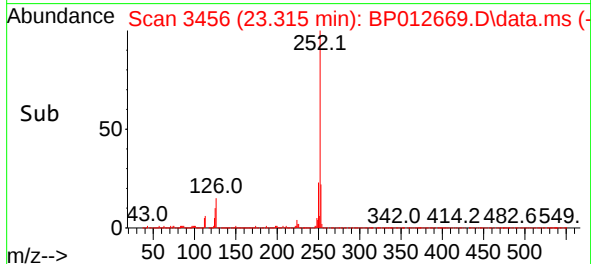
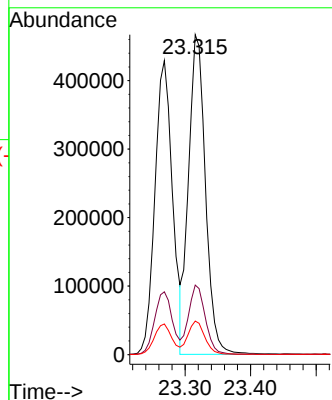
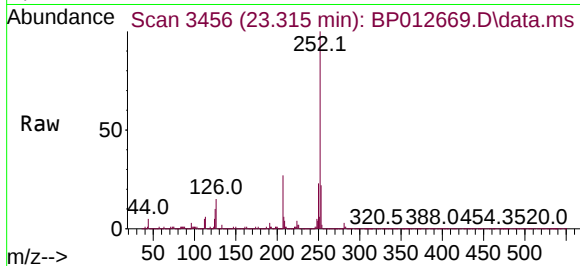




#89
Benzo(k)fluoranthene
Concen: 7.872 ng
RT: 23.315 min Scan# 34
Delta R.T. -0.012 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

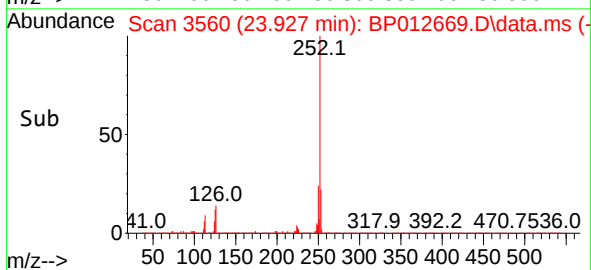
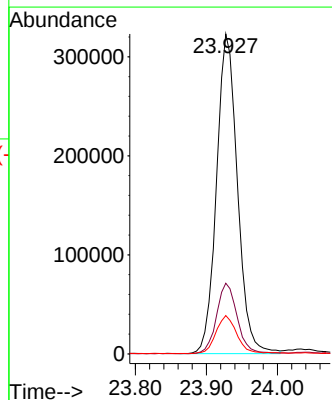
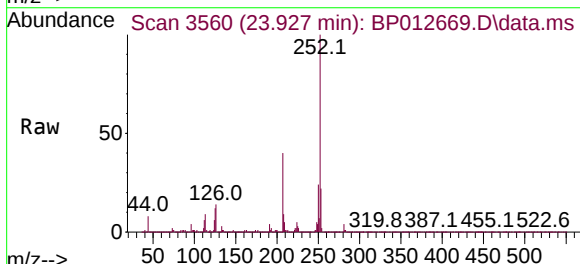
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

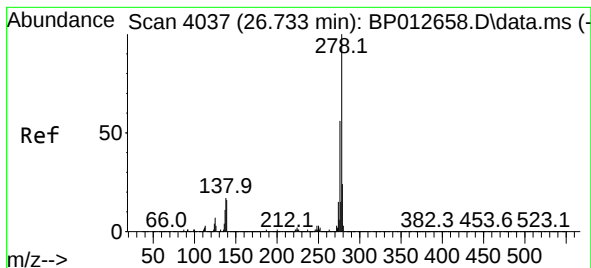
Tgt Ion:252 Resp: 838072
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 10.5 7.9 11.9



#90
Benzo(a)pyrene
Concen: 7.440 ng
RT: 23.927 min Scan# 3560
Delta R.T. -0.006 min
Lab File: BP012669.D
Acq: 18 Nov 2022 11:20

Tgt Ion:252 Resp: 661560
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 12.0 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 7.445 ng

RT: 26.721 min Scan# 4037

Delta R.T. -0.012 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

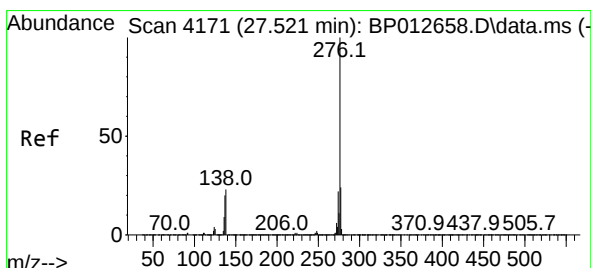
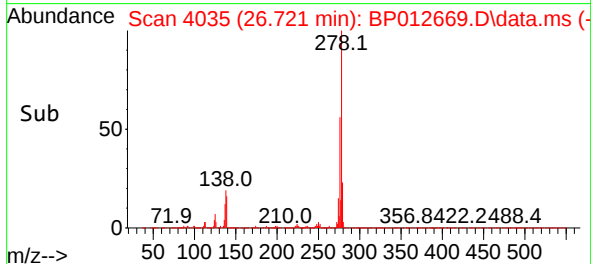
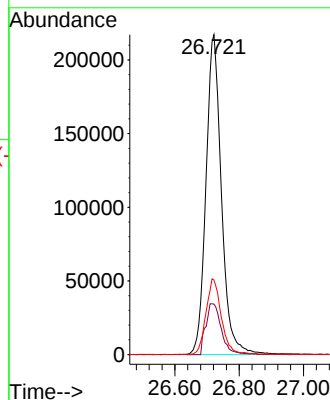
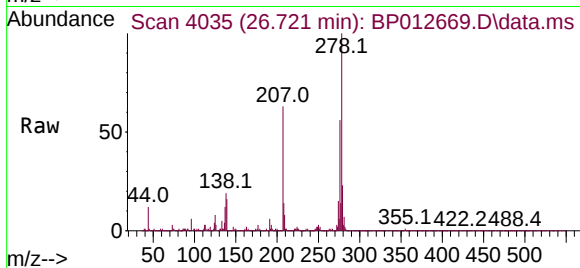
Tgt Ion:278 Resp: 725369

Ion Ratio Lower Upper

278 100

139 15.8 13.0 19.4

279 23.3 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 7.226 ng

RT: 27.503 min Scan# 4168

Delta R.T. -0.018 min

Lab File: BP012669.D

Acq: 18 Nov 2022 11:20

Tgt Ion:276 Resp: 683814

Ion Ratio Lower Upper

276 100

277 24.0 19.4 29.2

138 22.0 18.1 27.1

