

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110824\
 Data File : BP022935.D
 Acq On : 08 Nov 2024 15:30
 Operator : RC/JU
 Sample : P4368-01
 Misc : LOD-MDL-SOIL-4 PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Quant Time: Nov 08 16:00:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 23:36:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.593	152	52369	20.000	ng	0.00
21) Naphthalene-d8	10.346	136	193788	20.000	ng	0.00
39) Acenaphthene-d10	14.216	164	158856	20.000	ng	0.00
64) Phenanthrene-d10	17.028	188	406037	20.000	ng	0.00
76) Chrysene-d12	21.457	240	491231	20.000	ng	0.00
86) Perylene-d12	24.692	264	597497	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.234	112	307910	111.582	ng	0.00
7) Phenol-d6	6.793	99	409363	106.374	ng	0.00
23) Nitrobenzene-d5	8.740	82	340472	83.004	ng	0.00
42) 2,4,6-Tribromophenol	15.739	330	363016	117.896	ng	0.00
45) 2-Fluorobiphenyl	12.822	172	899341	80.893	ng	0.00
79) Terphenyl-d14	19.757	244	2163746	82.722	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.181	88	4761	4.321	ng	90
3) Pyridine	3.599	79	7762	2.566	ng	95
4) n-Nitrosodimethylamine	3.499	42	5020	3.442	ng	# 94
6) Aniline	6.940	93	14747	4.597	ng	96
8) 2-Chlorophenol	7.169	128	10938	3.781	ng	90
9) Benzaldehyde	6.769	77	12324	5.541	ng	96
10) Phenol	6.816	94	14523	3.811	ng	# 77
11) bis(2-Chloroethyl)ether	7.034	93	10244	3.558	ng	94
12) 1,3-Dichlorobenzene	7.481	146	13478	3.651	ng	96
13) 1,4-Dichlorobenzene	7.628	146	13912	3.691	ng	98
14) 1,2-Dichlorobenzene	7.940	146	13494	3.703	ng	95
15) Benzyl Alcohol	7.852	79	7756	2.661	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.105	45	12635	4.044	ng	97
17) 2-Methylphenol	8.052	107	8779	3.393	ng	# 81
18) Hexachloroethane	8.646	117	5234	3.753	ng	90
19) n-Nitroso-di-n-propyla...	8.393	70	9760	3.705	ng	# 94
20) 3+4-Methylphenols	8.393	107	12277	3.395	ng	87
22) Acetophenone	8.416	105	20255	3.927	ng	# 92
24) Nitrobenzene	8.781	77	16763	4.023	ng	98
25) Isophorone	9.299	82	25644	3.694	ng	# 98
26) 2-Nitrophenol	9.499	139	5416	3.165	ng	91
27) 2,4-Dimethylphenol	9.569	122	7508	3.843	ng	95
28) bis(2-Chloroethoxy)met...	9.787	93	14124	3.582	ng	95
29) 2,4-Dichlorophenol	10.046	162	10960	3.241	ng	92
30) 1,2,4-Trichlorobenzene	10.222	180	15845	3.665	ng	95
31) Naphthalene	10.399	128	36501	3.759	ng	99
32) Benzoic acid	9.746	122	477	0.203	ng	# 55
33) 4-Chloroaniline	10.540	127	12684	3.670	ng	# 91
34) Hexachlorobutadiene	10.681	225	11174	3.524	ng	92
35) Caprolactam	11.328	113	2686	2.653	ng	# 57
36) 4-Chloro-3-methylphenol	11.681	107	11409	3.026	ng	94
37) 2-Methylnaphthalene	12.016	142	26444	3.636	ng	98
38) 1-Methylnaphthalene	12.240	142	24558	3.402	ng	# 93
40) 1,2,4,5-Tetrachloroben...	12.387	216	19534	3.632	ng	97
41) Hexachlorocyclopentadiene	12.357	237	4185	2.771	ng	86
43) 2,4,6-Trichlorophenol	12.745	196	11885	3.475	ng	97

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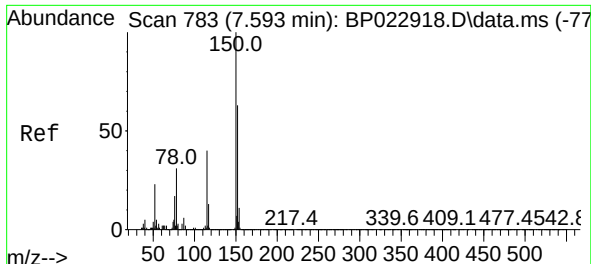
Quant Time: Nov 08 16:00:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.745	196	11885	3.052	ng	# 95
46) 1,1'-Biphenyl	13.040	154	40590	3.844	ng	97
47) 2-Chloronaphthalene	13.081	162	31511	3.596	ng	99
48) 2-Nitroaniline	13.322	65	7666	3.002	ng	85
49) Acenaphthylene	13.940	152	46929	3.834	ng	98
50) Dimethylphthalate	13.687	163	43226	3.717	ng	97
51) 2,6-Dinitrotoluene	13.804	165	8327	3.149	ng	# 84
52) Acenaphthene	14.281	154	27908	3.546	ng	97
53) 3-Nitroaniline	14.157	138	6549	3.048	ng	98
54) 2,4-Dinitrophenol	14.416	184	3281	1.999	ng	91
55) Dibenzofuran	14.622	168	50906	3.683	ng	97
56) 4-Nitrophenol	14.551	139	1990	1.126	ng	91
57) 2,4-Dinitrotoluene	14.616	165	11358	2.971	ng	# 91
58) Fluorene	15.281	166	40021	3.485	ng	96
59) 2,3,4,6-Tetrachlorophenol	14.875	232	12600	3.355	ng	98
60) Diethylphthalate	15.063	149	40519	3.503	ng	97
61) 4-Chlorophenyl-phenyle...	15.275	204	24097	3.561	ng	95
62) 4-Nitroaniline	15.339	138	5692	2.582	ng	# 86
63) Azobenzene	15.575	77	34837	3.502	ng	94
65) 4,6-Dinitro-2-methylph...	15.416	198	6421	2.599	ng	96
66) n-Nitrosodiphenylamine	15.504	169	34963	3.483	ng	97
67) 4-Bromophenyl-phenylether	16.198	248	17034	3.498	ng	95
68) Hexachlorobenzene	16.316	284	22182	3.556	ng	97
69) Atrazine	16.486	200	14684	4.340	ng	89
70) Pentachlorophenol	16.686	266	10353	2.599	ng	92
71) Phenanthrene	17.063	178	72751	3.702	ng	97
72) Anthracene	17.157	178	69447	3.683	ng	99
73) Carbazole	17.451	167	60508	3.359	ng	97
74) Di-n-butylphthalate	18.028	149	61929	3.085	ng	100
75) Fluoranthene	19.175	202	89634	3.288	ng	98
77) Benzidine	19.369	184	41082	4.233	ng	99
78) Pyrene	19.551	202	97202	3.343	ng	99
80) Butylbenzylphthalate	20.498	149	28489	2.874	ng	97
81) Benzo(a)anthracene	21.439	228	109397	3.579	ng	100
82) 3,3'-Dichlorobenzidine	21.374	252	39858	3.221	ng	# 98
83) Chrysene	21.510	228	105767	3.694	ng	99
84) Bis(2-ethylhexyl)phtha...	21.374	149	41169	2.894	ng	98
85) Di-n-octyl phthalate	22.592	149	70294	2.956	ng	# 99
87) Indeno(1,2,3-cd)pyrene	28.362	276	148418	3.683	ng	# 95
88) Benzo(b)fluoranthene	23.739	252	120907	3.444	ng	98
89) Benzo(k)fluoranthene	23.739	252	120907	3.648	ng	98
90) Benzo(a)pyrene	24.539	252	107369	3.575	ng	96
91) Dibenzo(a,h)anthracene	28.421	278	120541	3.647	ng	99
92) Benzo(g,h,i)perylene	29.515	276	113451	3.350	ng	98

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

Instrument :
BNA_P
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LOD-MDL-SOIL-01-QT4-2024

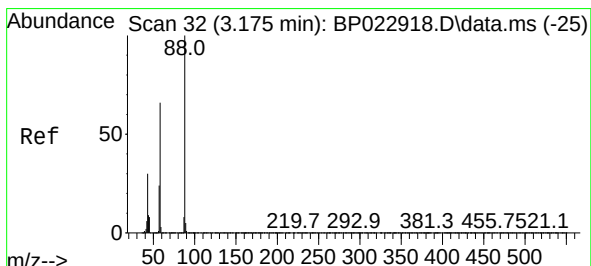
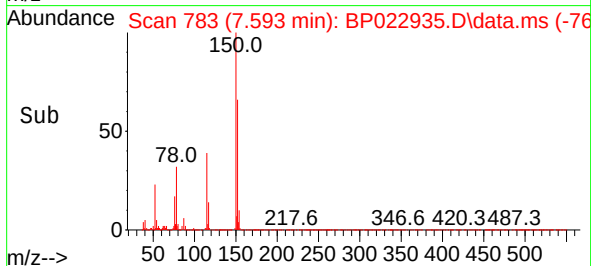
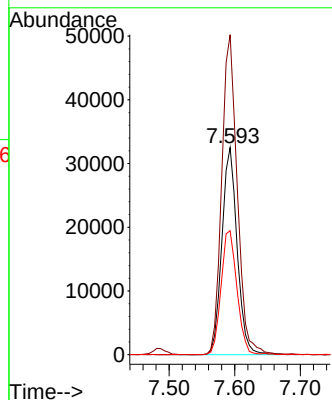
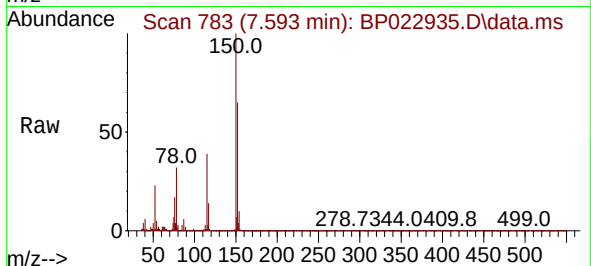
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.593 min Scan# 71
Delta R.T. -0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

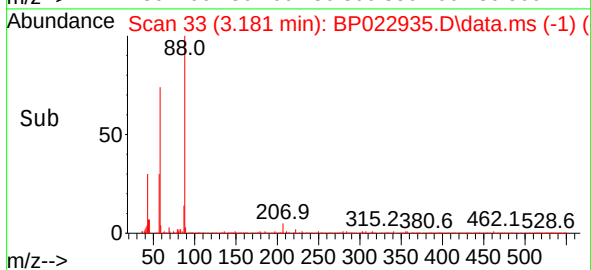
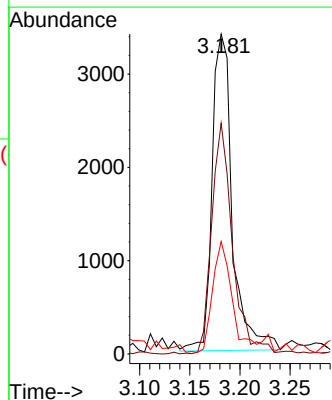
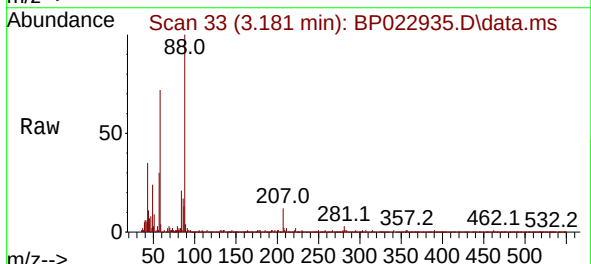
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

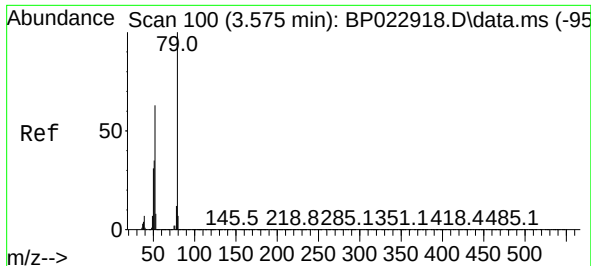
Tgt Ion:152 Resp: 52369
Ion Ratio Lower Upper
152 100
150 154.5 127.0 190.4
115 59.9 50.5 75.7



#2
1,4-Dioxane
Concen: 4.321 ng
RT: 3.181 min Scan# 33
Delta R.T. 0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion: 88 Resp: 4761
Ion Ratio Lower Upper
88 100
58 74.6 52.8 79.2
43 33.4 23.4 35.0





#3

Pyridine

Concen: 2.566 ng

RT: 3.599 min Scan# 104

Delta R.T. 0.024 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

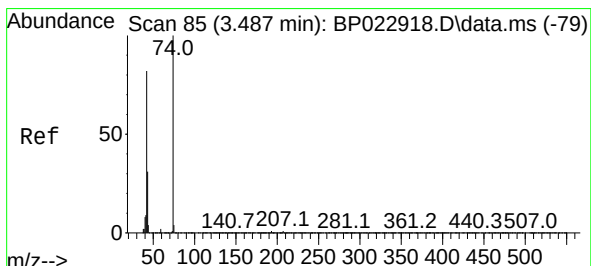
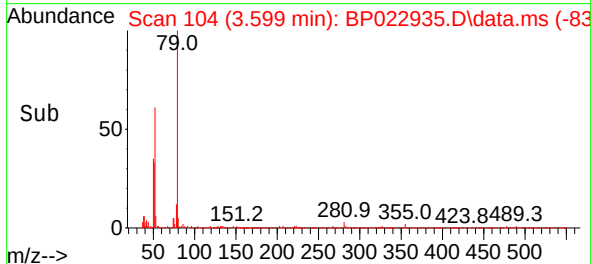
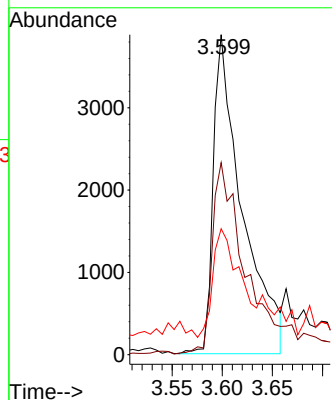
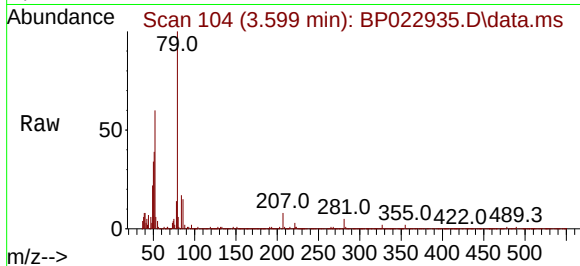
Tgt Ion: 79 Resp: 7762

Ion Ratio Lower Upper

79 100

52 60.0 50.4 75.6

51 39.4 28.6 43.0



#4

n-Nitrosodimethylamine

Concen: 3.442 ng

RT: 3.499 min Scan# 87

Delta R.T. 0.012 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

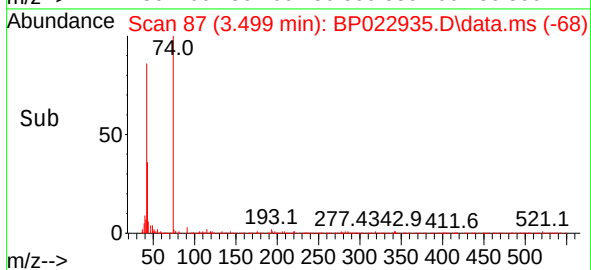
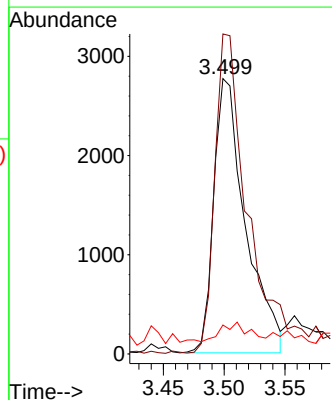
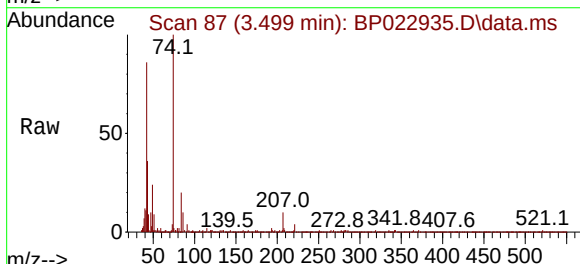
Tgt Ion: 42 Resp: 5020

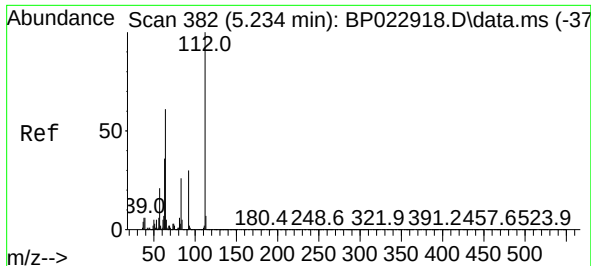
Ion Ratio Lower Upper

42 100

74 116.2 97.7 146.5

44 10.5 4.5 6.7#

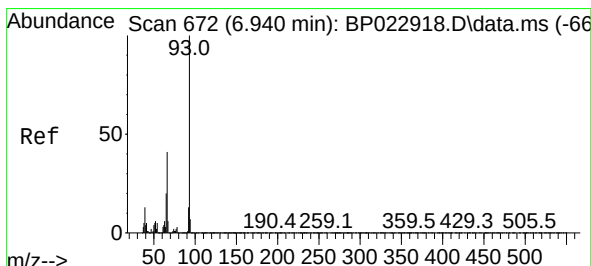
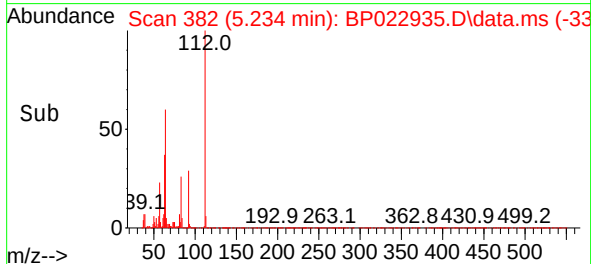
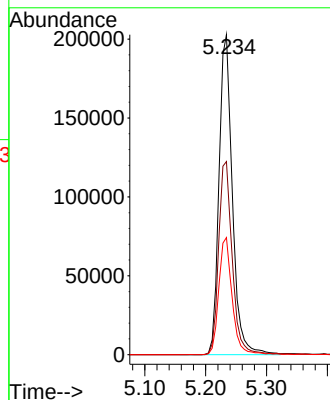
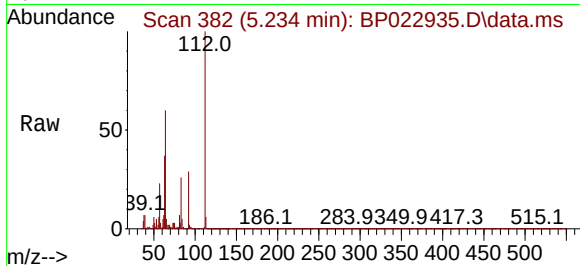




#5
2-Fluorophenol
Concen: 111.582 ng
RT: 5.234 min Scan# 382
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

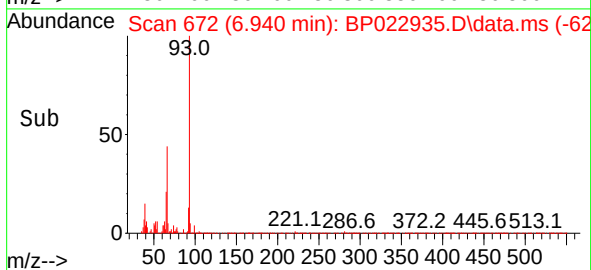
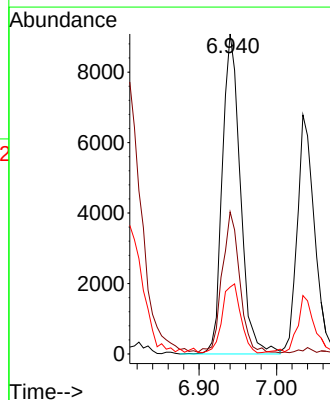
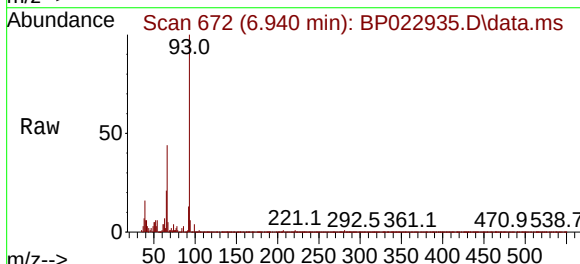
Instrument :
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ClientSampleId :
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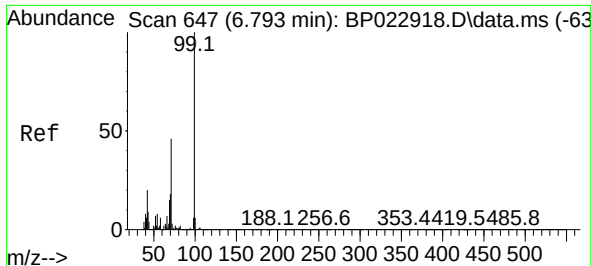
Tgt Ion:112 Resp: 307910
Ion Ratio Lower Upper
112 100
64 60.4 48.7 73.1
63 36.6 29.0 43.4



#6
Aniline
Concen: 4.597 ng
RT: 6.940 min Scan# 672
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion: 93 Resp: 14747
Ion Ratio Lower Upper
93 100
66 44.4 32.9 49.3
65 20.9 16.0 24.0

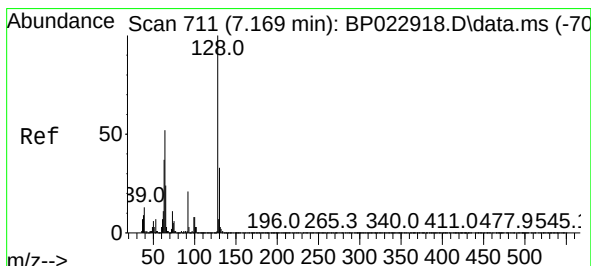
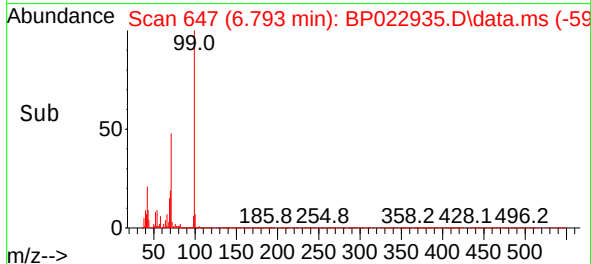
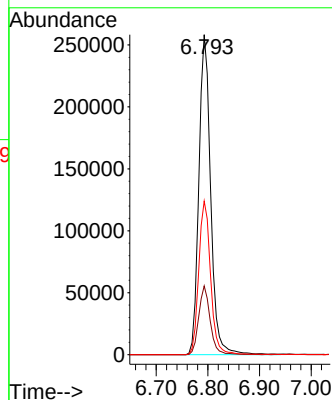
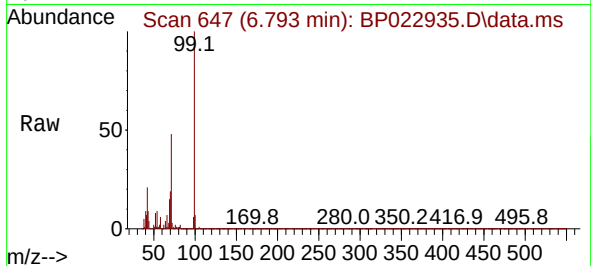




#7
Phenol-d6
Concen: 106.374 ng
RT: 6.793 min Scan# 647
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

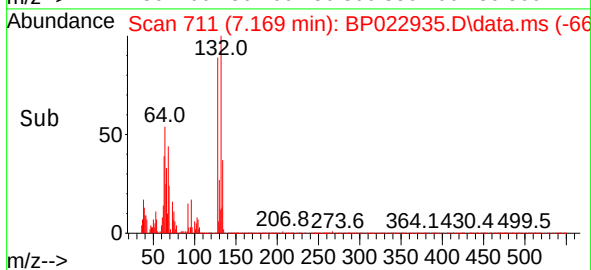
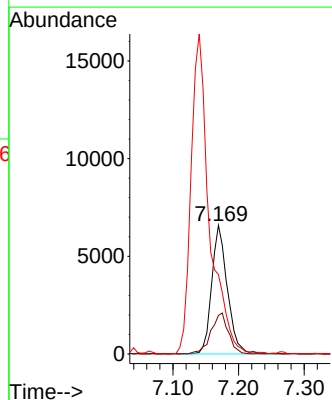
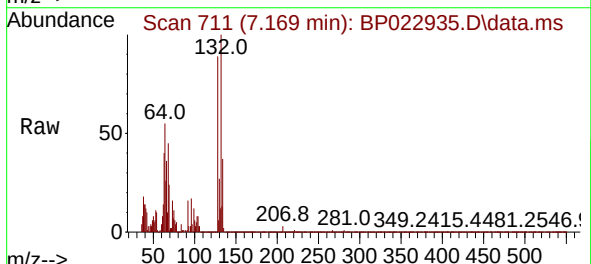
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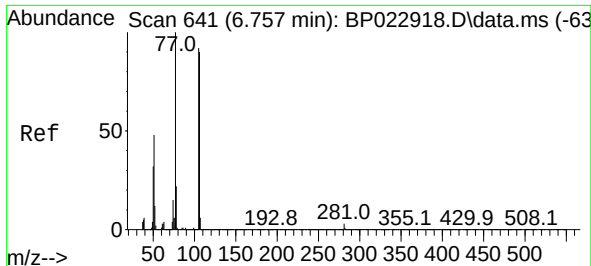
Tgt Ion:	99	Resp:	409363
Ion	Ratio	Lower	Upper
99	100		
42	21.5	15.8	23.6
71	48.0	36.6	55.0



#8
2-Chlorophenol
Concen: 3.781 ng
RT: 7.169 min Scan# 711
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:	128	Resp:	10938
Ion	Ratio	Lower	Upper
128	100		
130	29.9	12.6	52.6
64	61.7	32.7	72.7





#9

Benzaldehyde

Concen: 5.541 ng

RT: 6.769 min Scan# 641

Delta R.T. 0.012 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

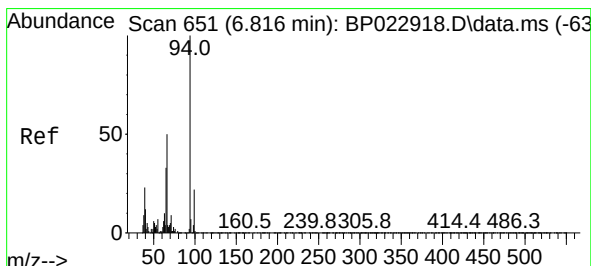
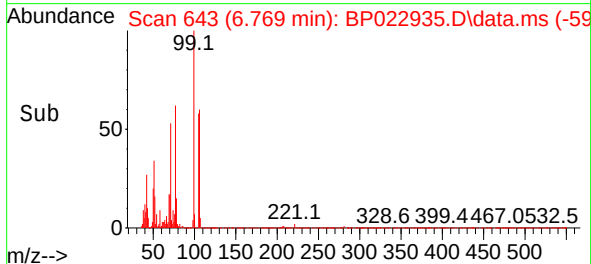
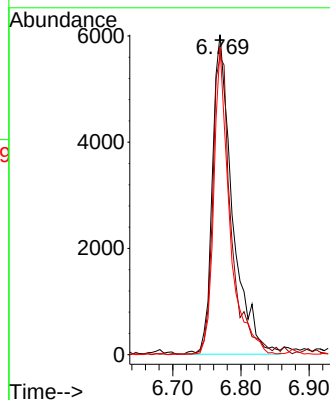
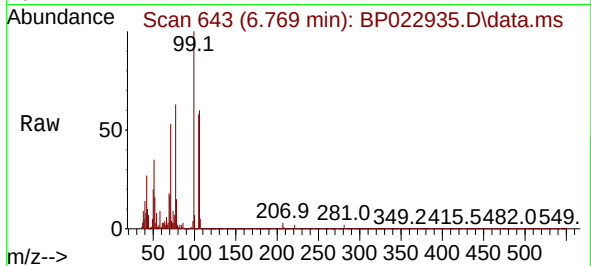
Tgt Ion: 77 Resp: 12324

Ion Ratio Lower Upper

77 100

105 93.0 71.4 111.4

106 96.1 69.9 109.9



#10

Phenol

Concen: 3.811 ng

RT: 6.816 min Scan# 651

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

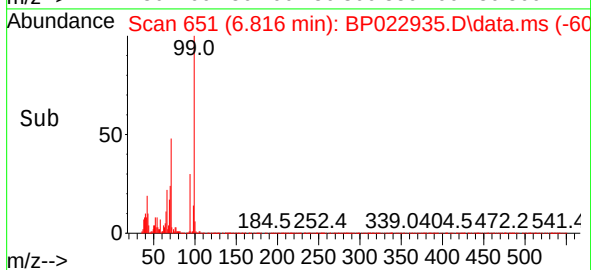
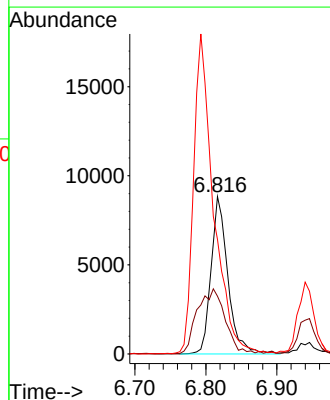
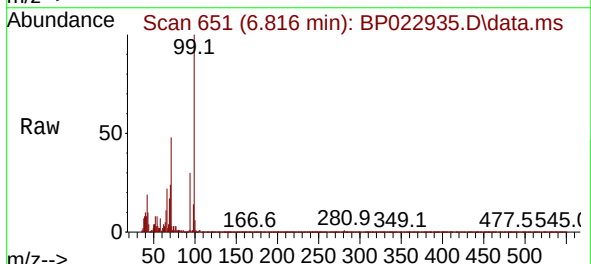
Tgt Ion: 94 Resp: 14523

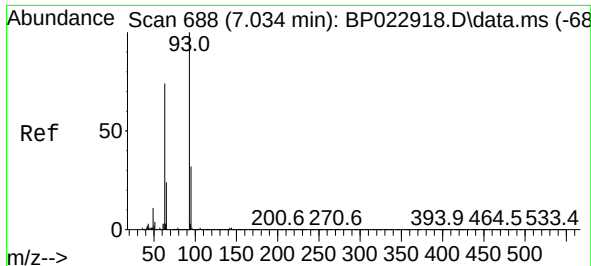
Ion Ratio Lower Upper

94 100

65 36.7 12.9 52.9

66 72.8 30.0 70.0#

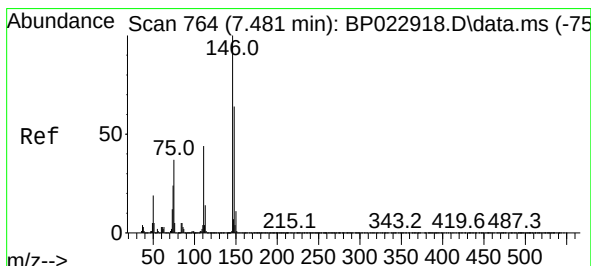
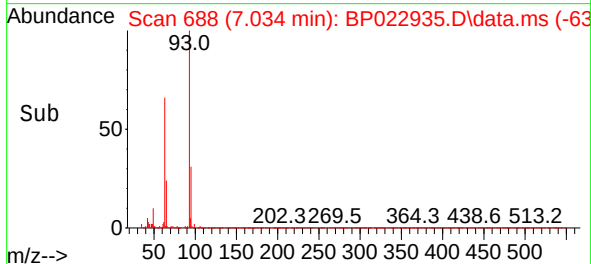
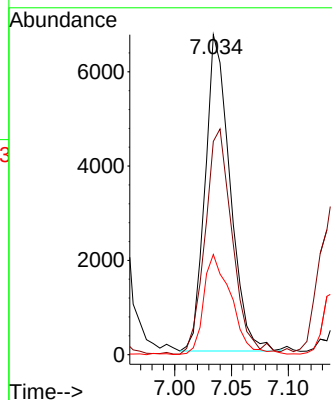
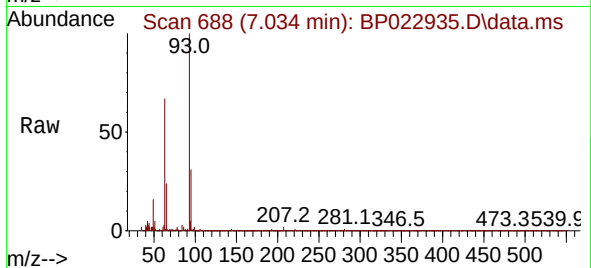




#11
bis(2-Chloroethyl)ether
Concen: 3.558 ng
RT: 7.034 min Scan# 688
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

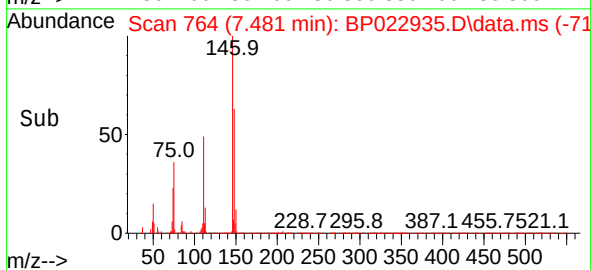
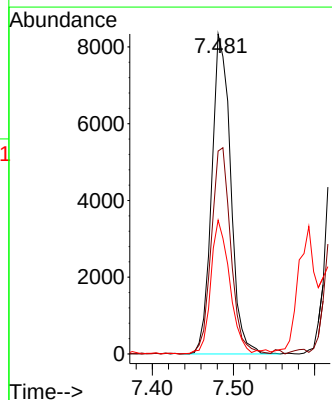
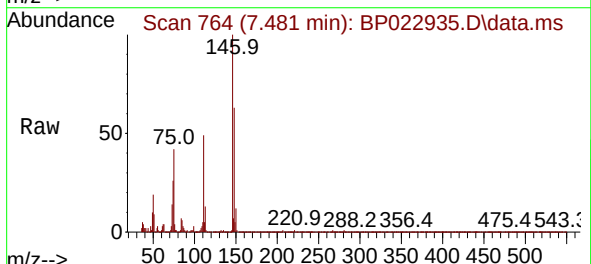
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

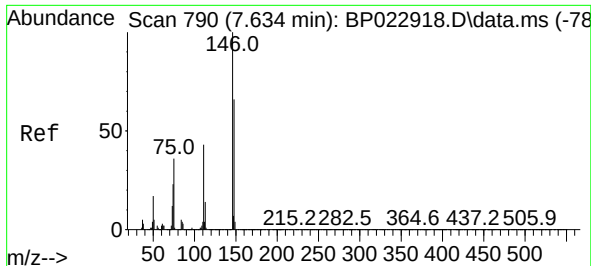
Tgt Ion: 93	Resp: 10244
Ion Ratio	Lower Upper
93 100	
63 66.6	53.6 93.6
95 31.3	12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 3.651 ng
RT: 7.481 min Scan# 764
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:146	Resp:	13478	
Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.4	77.0
75	41.8	29.3	43.9





#13

1,4-Dichlorobenzene

Concen: 3.691 ng

RT: 7.628 min Scan# 71

Delta R.T. -0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

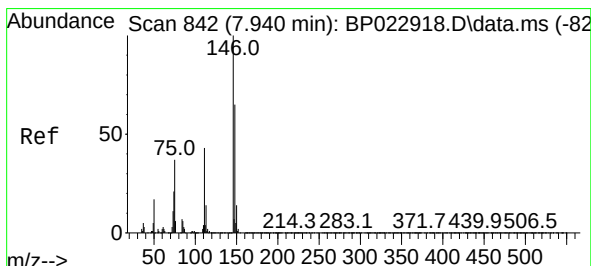
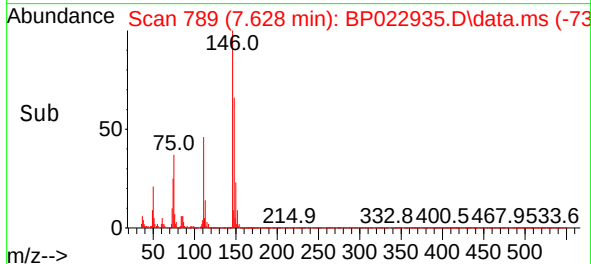
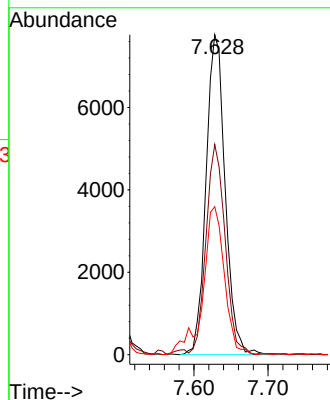
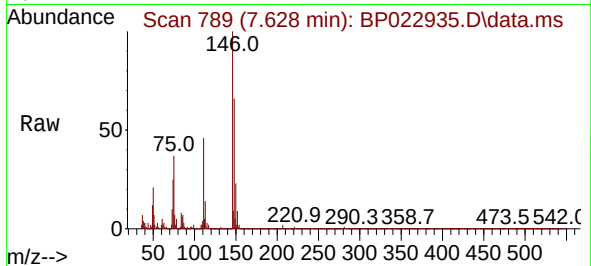
Tgt Ion:146 Resp: 13912

Ion Ratio Lower Upper

146 100

148 65.7 53.2 79.8

111 46.2 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 3.703 ng

RT: 7.940 min Scan# 842

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

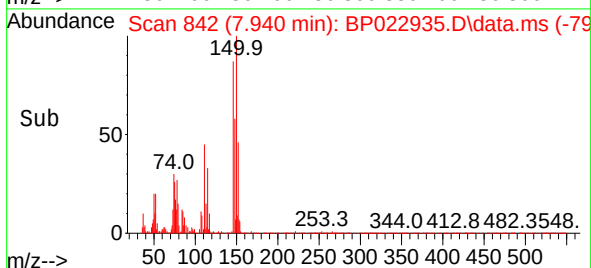
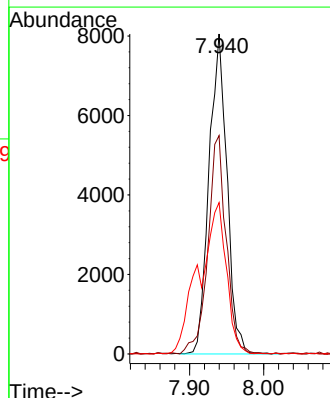
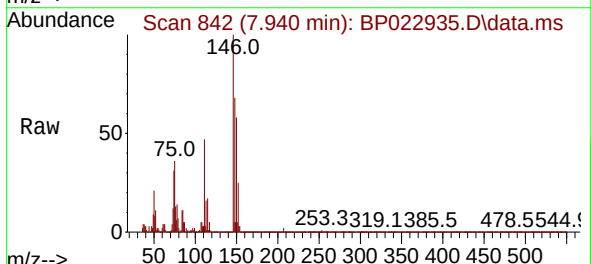
Tgt Ion:146 Resp: 13494

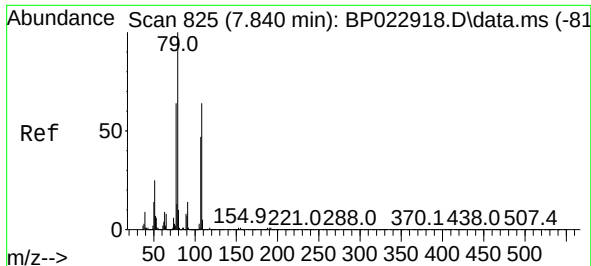
Ion Ratio Lower Upper

146 100

148 68.3 52.4 78.6

111 47.3 34.2 51.4

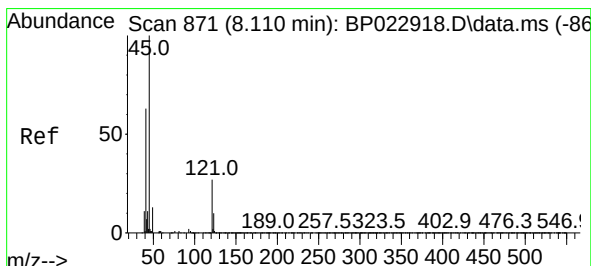
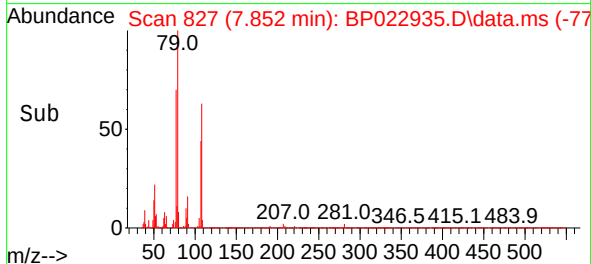
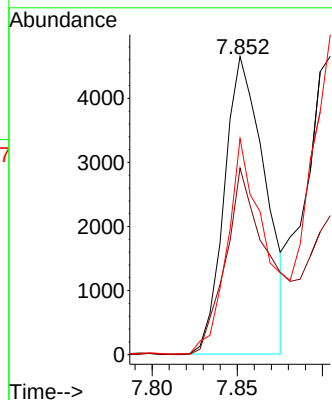
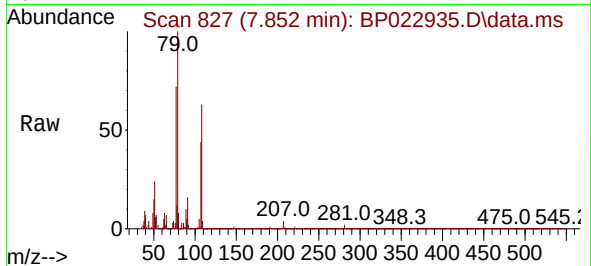




#15
Benzyl Alcohol
Concen: 2.661 ng
RT: 7.852 min Scan# 81
Delta R.T. 0.012 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

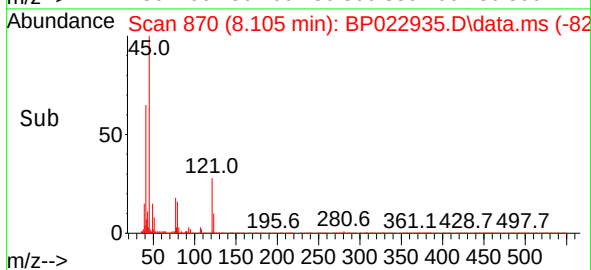
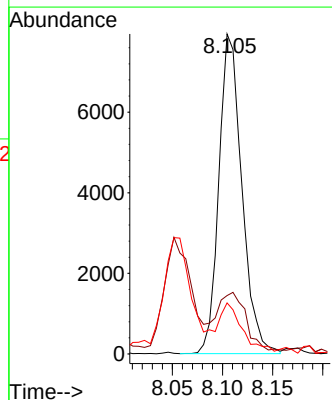
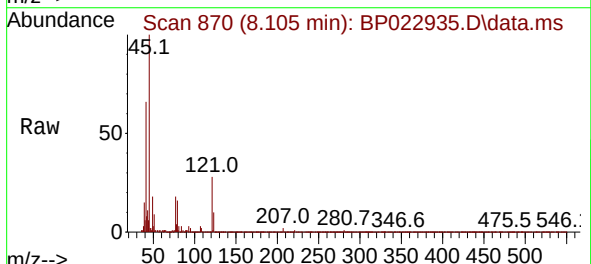
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

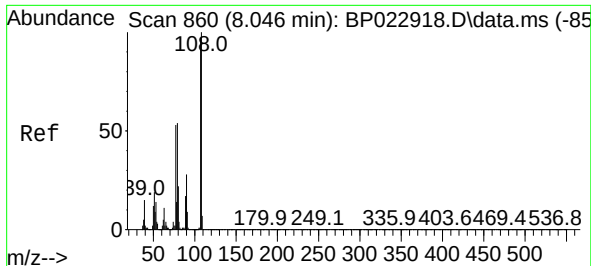
Tgt Ion: 79 Resp: 7756
Ion Ratio Lower Upper
79 100
108 62.6 51.2 76.8
77 72.5 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.044 ng
RT: 8.105 min Scan# 870
Delta R.T. -0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion: 45 Resp: 12635
Ion Ratio Lower Upper
45 100
77 18.3 0.0 39.5
79 16.0 0.0 34.9

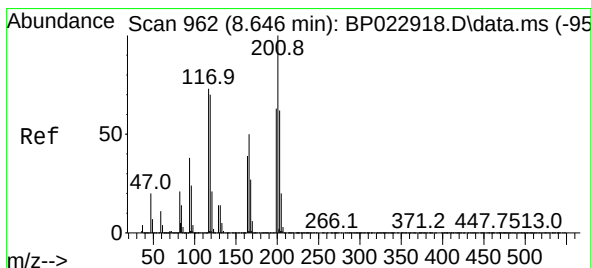
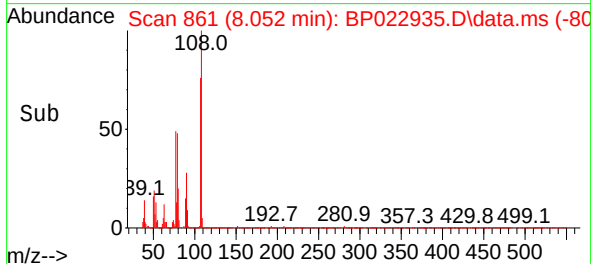
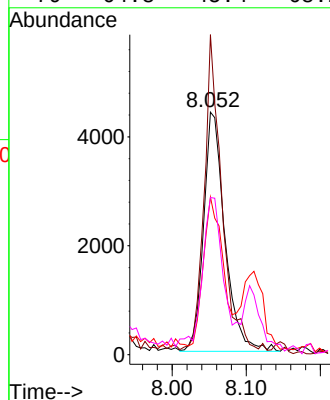
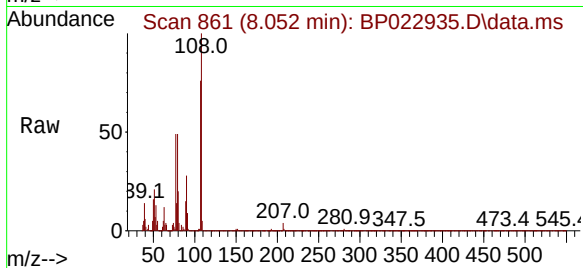




#17
2-Methylphenol
Concen: 3.393 ng
RT: 8.052 min Scan# 861
Delta R.T. 0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

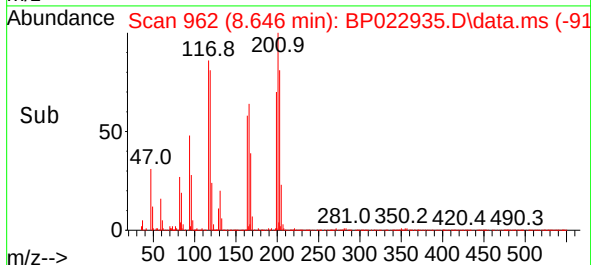
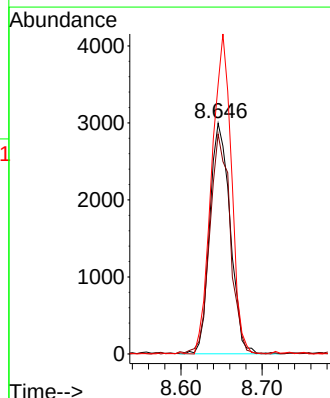
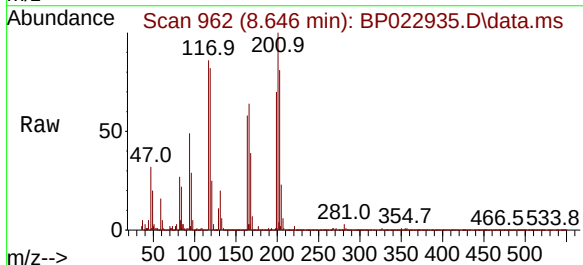
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

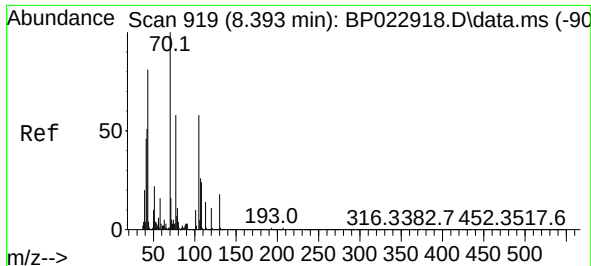
Tgt Ion:	107	Resp:	8779
Ion	Ratio	Lower	Upper
107	100		
108	132.0	83.7	125.5#
77	65.0	45.0	67.4
79	64.8	45.4	68.2



#18
Hexachloroethane
Concen: 3.753 ng
RT: 8.646 min Scan# 962
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:	117	Resp:	5234
Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.7	115.1
201	116.8	110.0	165.0





#19

n-Nitroso-di-n-propylamine

Concen: 3.705 ng

RT: 8.393 min Scan# 919

Delta R.T. 0.000 min

Lab File: BP022935.D

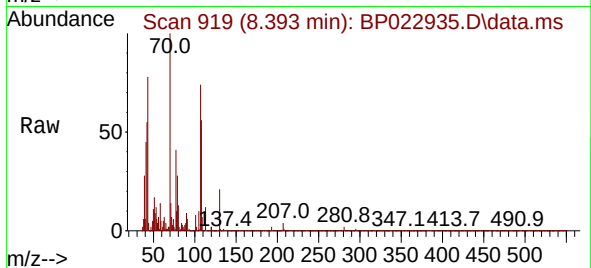
Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 70 Resp: 9760

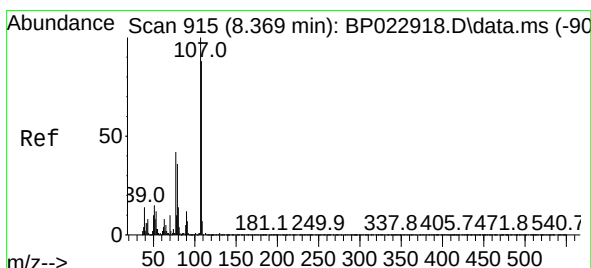
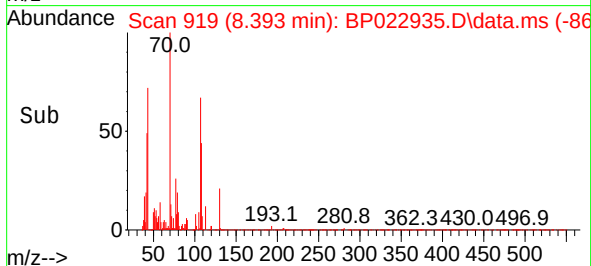
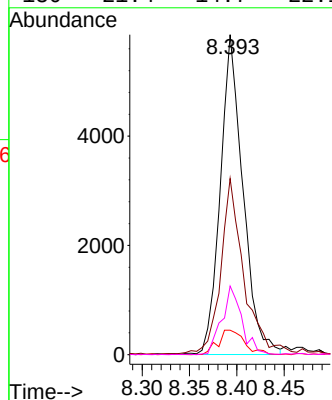
Ion Ratio Lower Upper

70 100

42 55.0 41.0 61.6

101 7.6 7.8 11.6#

130 21.4 14.7 22.1



#20

3+4-Methylphenols

Concen: 3.395 ng

RT: 8.393 min Scan# 919

Delta R.T. 0.024 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Tgt Ion: 107 Resp: 12277

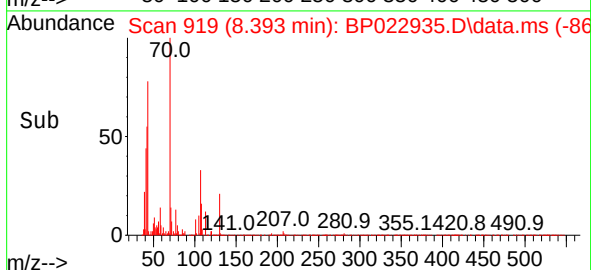
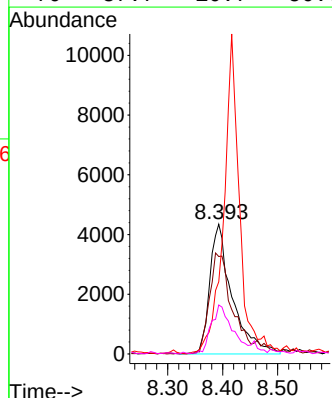
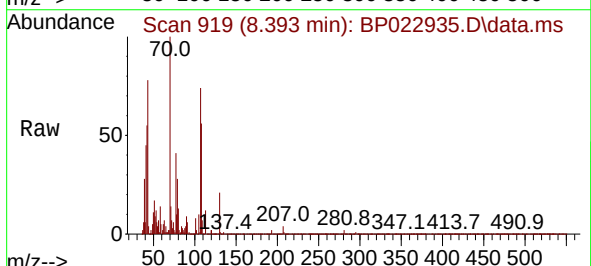
Ion Ratio Lower Upper

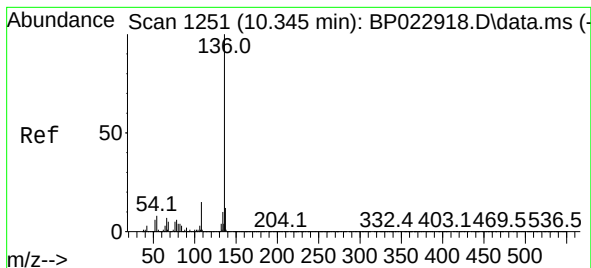
107 100

108 75.1 67.6 107.6

77 55.6 22.6 62.6

79 37.7 16.7 56.7

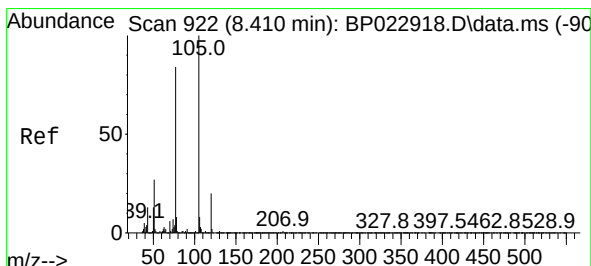
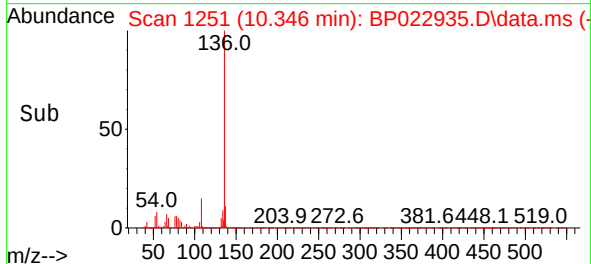
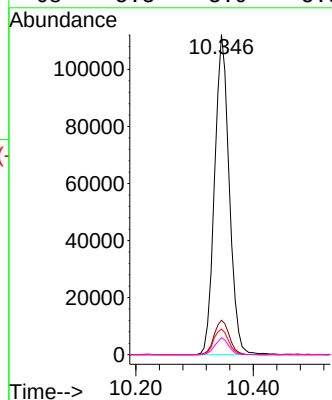
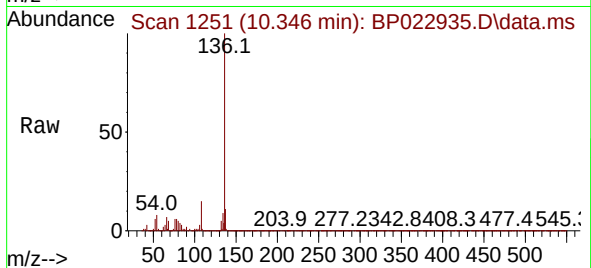




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.346 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

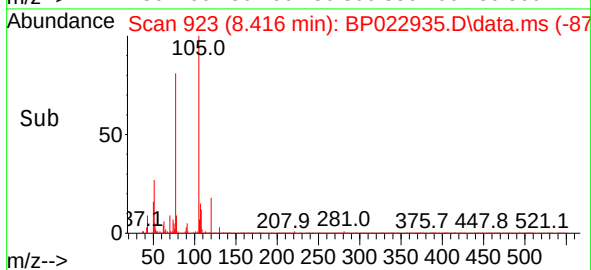
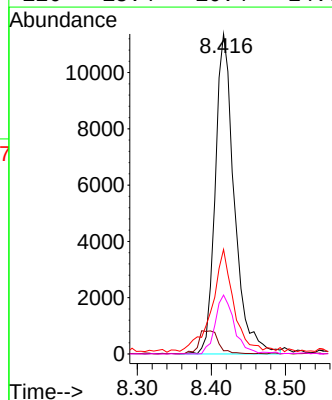
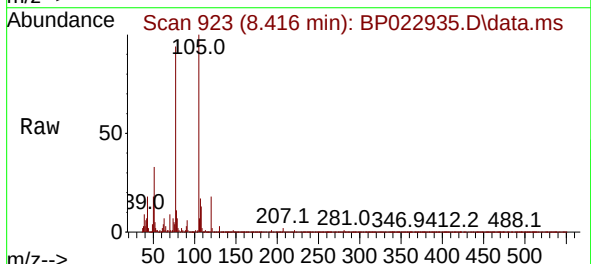
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

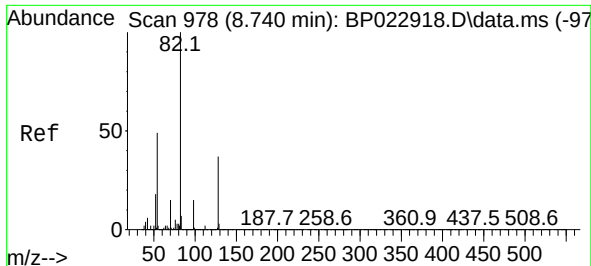
Tgt Ion:	136	Resp:	193788
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.4	14.0
54	8.0	6.4	9.6
68	5.3	3.9	5.9



#22
Acetophenone
Concen: 3.927 ng
RT: 8.416 min Scan# 923
Delta R.T. 0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:	105	Resp:	20255
Ion Ratio	Lower	Upper	
105	100		
71	1.0	0.7	1.1
51	32.7	21.7	32.5#
120	18.4	16.4	24.6





#23

Nitrobenzene-d5

Concen: 83.004 ng

RT: 8.740 min Scan# 91

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

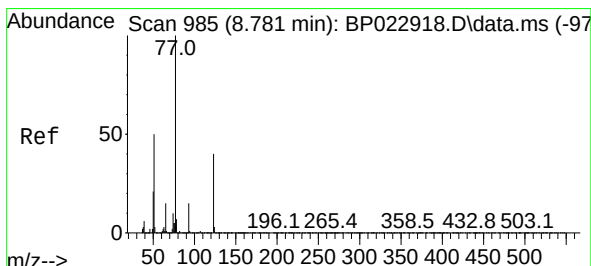
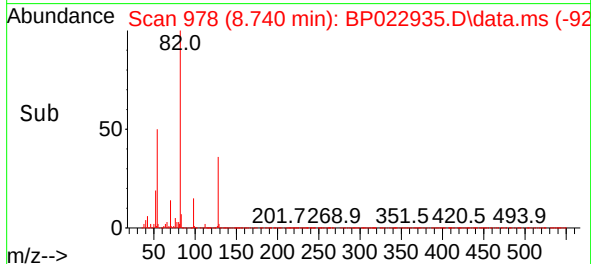
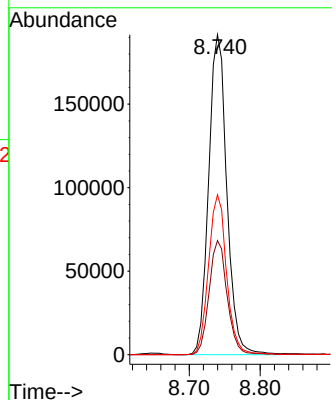
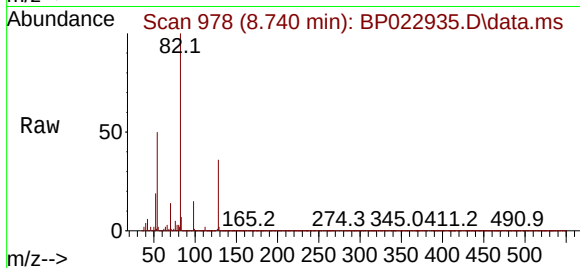
Tgt Ion: 82 Resp: 340472

Ion Ratio Lower Upper

82 100

128 35.7 29.8 44.8

54 50.0 39.0 58.4



#24

Nitrobenzene

Concen: 4.023 ng

RT: 8.781 min Scan# 985

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

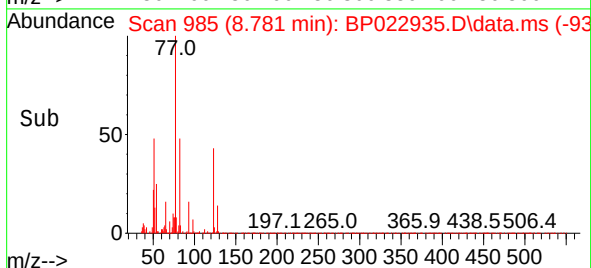
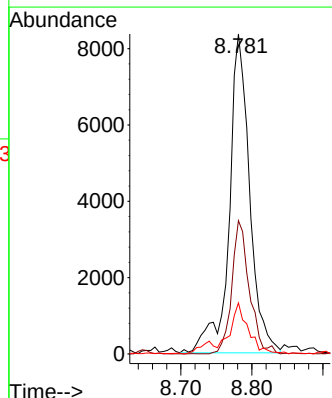
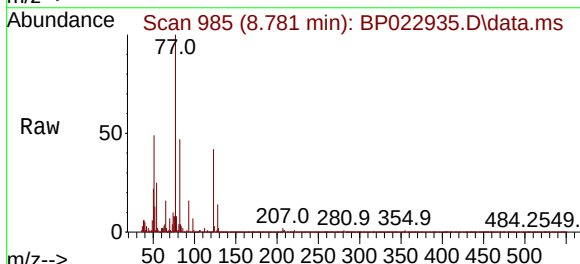
Tgt Ion: 77 Resp: 16763

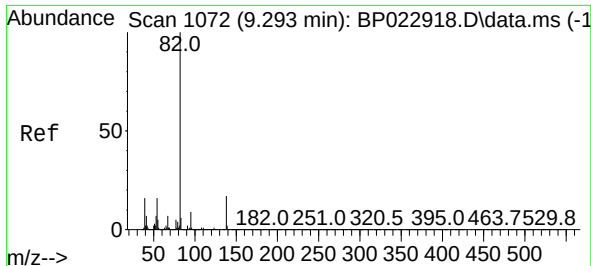
Ion Ratio Lower Upper

77 100

123 41.6 32.2 48.4

65 15.9 11.7 17.5





#25

Isophorone

Concen: 3.694 ng

RT: 9.299 min Scan# 1107

Delta R.T. 0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

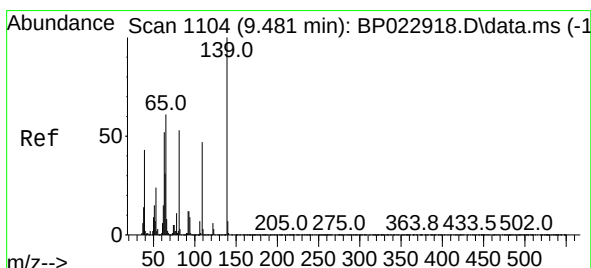
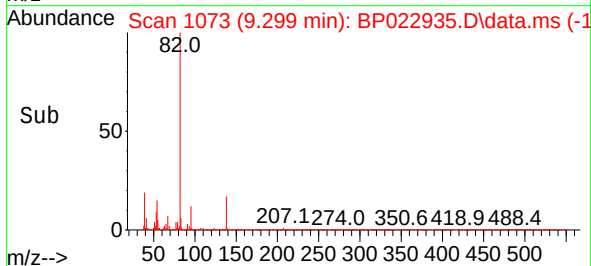
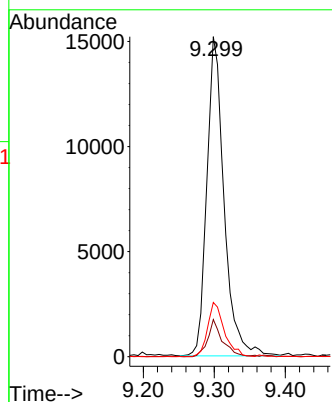
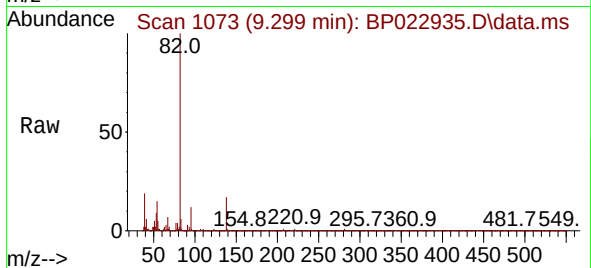
Tgt Ion: 82 Resp: 25644

Ion Ratio Lower Upper

82 100

95 11.6 7.4 11.2#

138 16.9 13.7 20.5



#26

2-Nitrophenol

Concen: 3.165 ng

RT: 9.499 min Scan# 1107

Delta R.T. 0.018 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

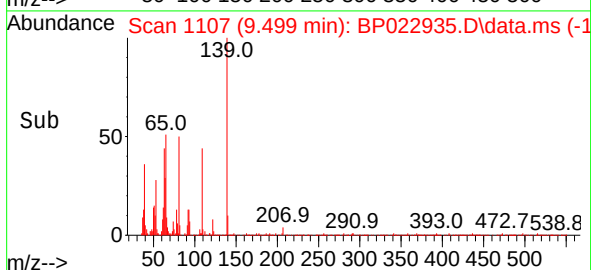
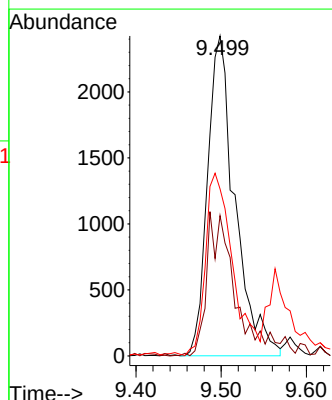
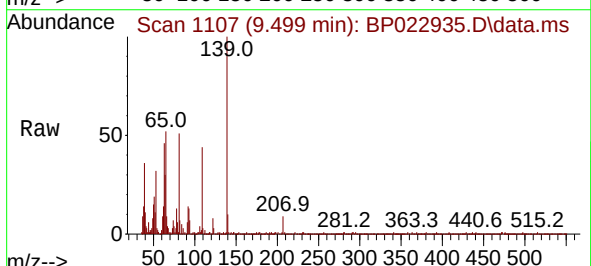
Tgt Ion: 139 Resp: 5416

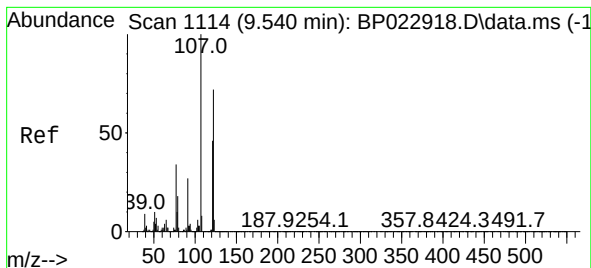
Ion Ratio Lower Upper

139 100

109 43.9 37.8 56.8

65 52.2 48.6 73.0





#27

2,4-Dimethylphenol

Concen: 3.843 ng

RT: 9.569 min Scan# 1119

Delta R.T. 0.030 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

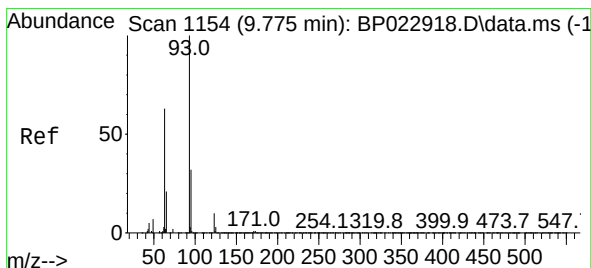
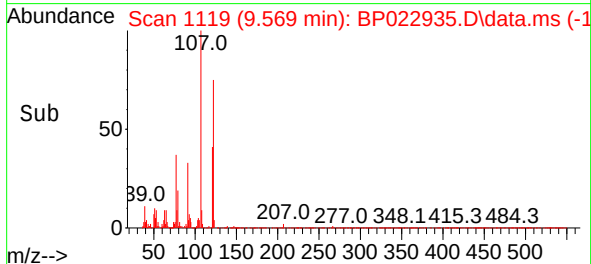
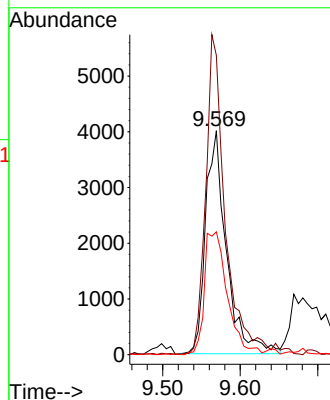
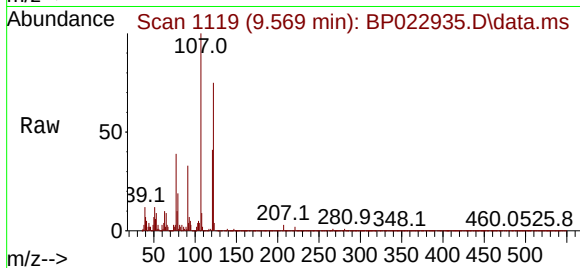
Tgt Ion:122 Resp: 7508

Ion Ratio Lower Upper

122 100

107 133.6 109.8 164.6

121 54.8 50.5 75.7



#28

bis(2-Chloroethoxy)methane

Concen: 3.582 ng

RT: 9.787 min Scan# 1156

Delta R.T. 0.012 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

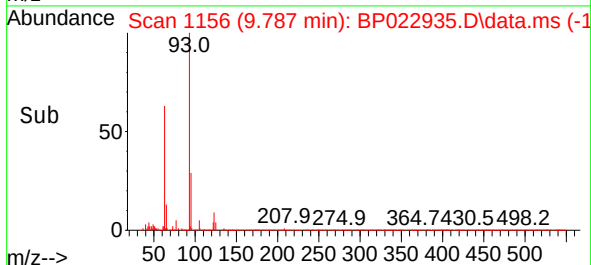
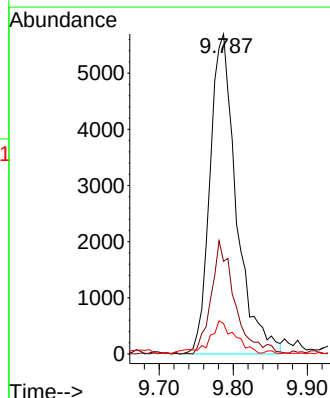
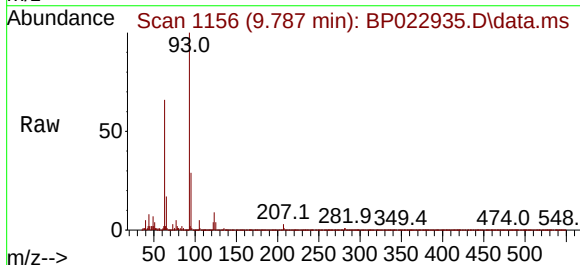
Tgt Ion: 93 Resp: 14124

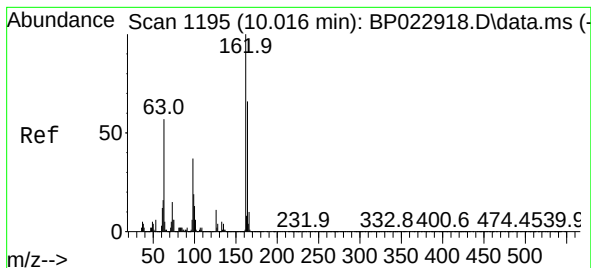
Ion Ratio Lower Upper

93 100

95 29.0 25.4 38.2

123 9.5 8.6 13.0

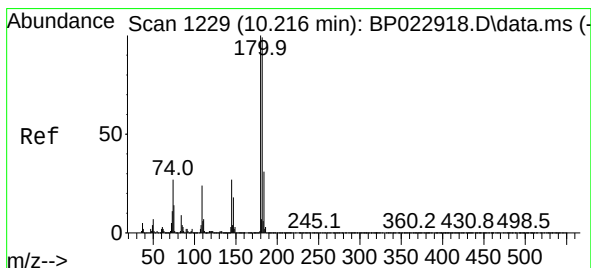
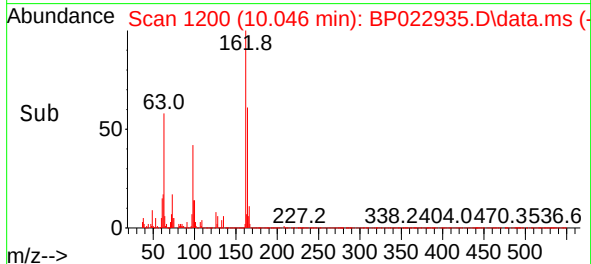
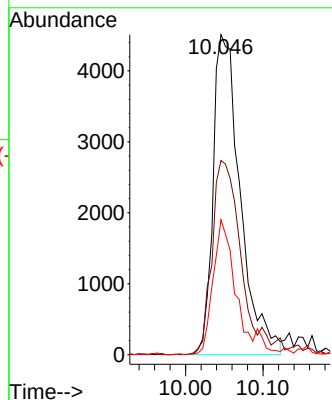
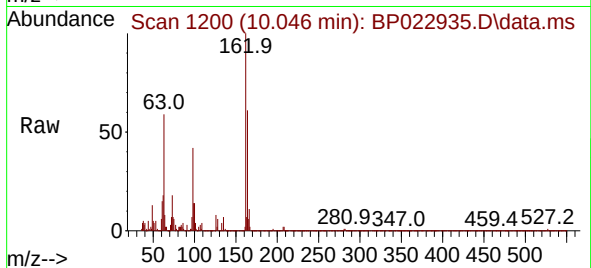




#29
2,4-Dichlorophenol
Concen: 3.241 ng
RT: 10.046 min Scan# 1195
Delta R.T. 0.030 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

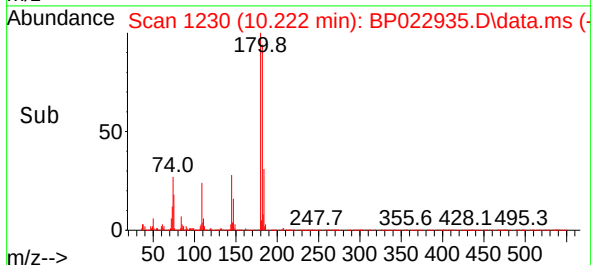
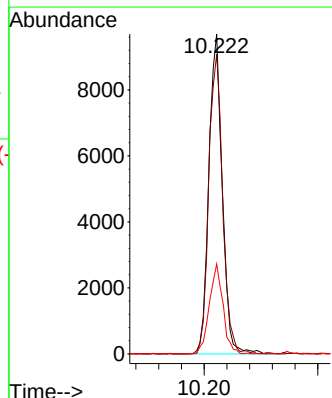
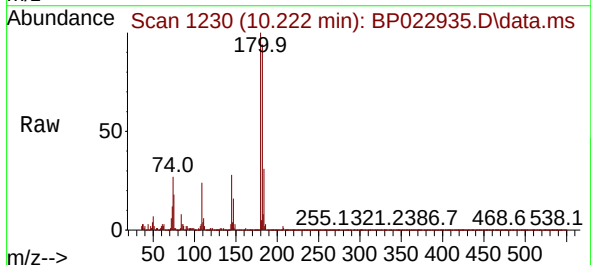
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

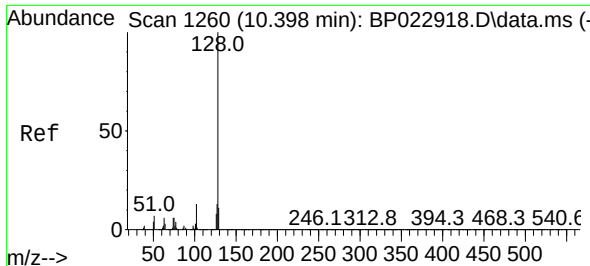
Tgt Ion	Ratio	Lower	Upper
162	100		
164	60.7	46.0	86.0
98	42.2	16.7	56.7



#30
1,2,4-Trichlorobenzene
Concen: 3.665 ng
RT: 10.222 min Scan# 1230
Delta R.T. 0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	79.4	119.2
145	28.1	21.6	32.4

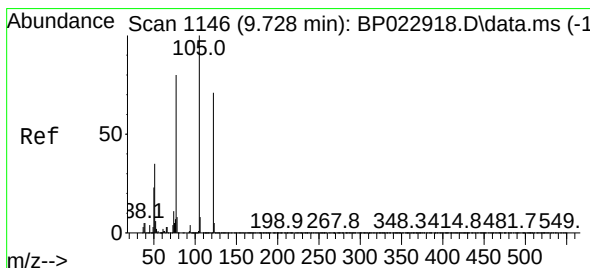
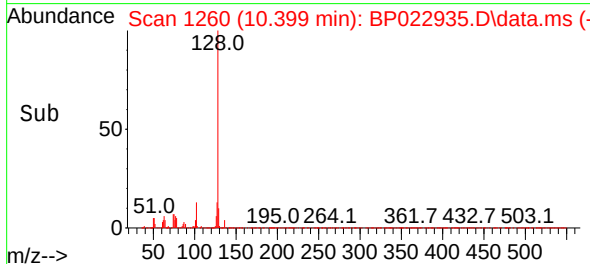
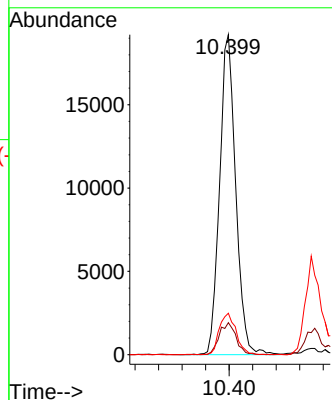
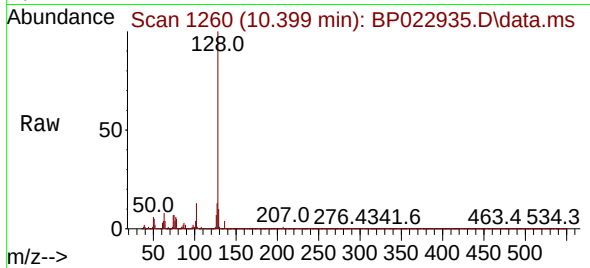




#31
Naphthalene
Concen: 3.759 ng
RT: 10.399 min Scan# 1149
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

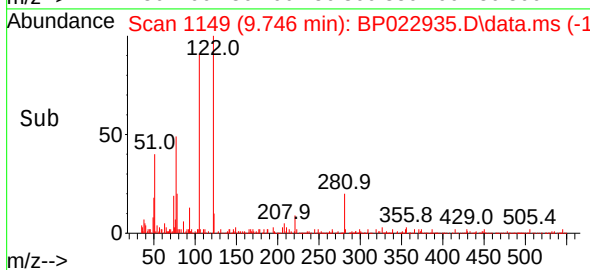
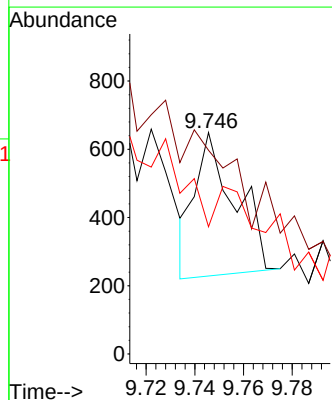
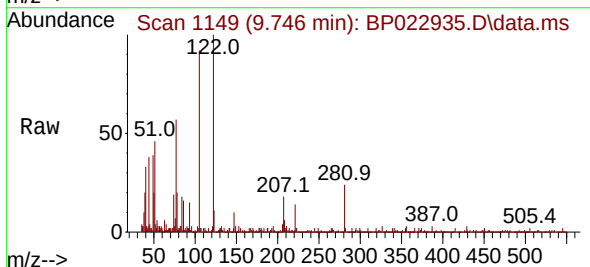
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

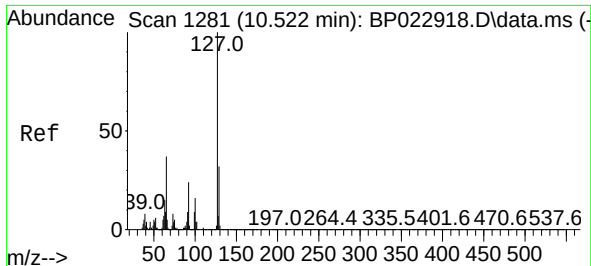
Tgt Ion:	128	Resp:	36501
Ion Ratio	Lower	Upper	
128	100		
129	10.0	8.6	12.8
127	12.9	10.6	16.0



#32
Benzoic acid
Concen: 0.203 ng
RT: 9.746 min Scan# 1149
Delta R.T. 0.018 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:	122	Resp:	477
Ion Ratio	Lower	Upper	
122	100		
105	92.0	119.9	159.9#
77	57.5	92.2	132.2#

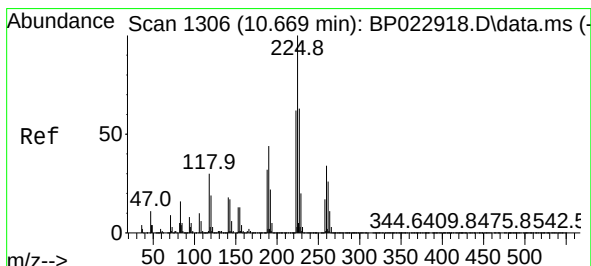
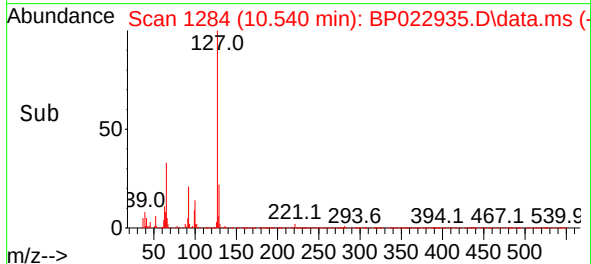
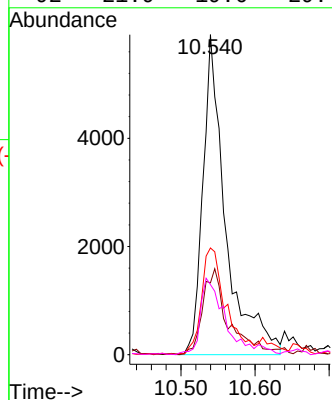
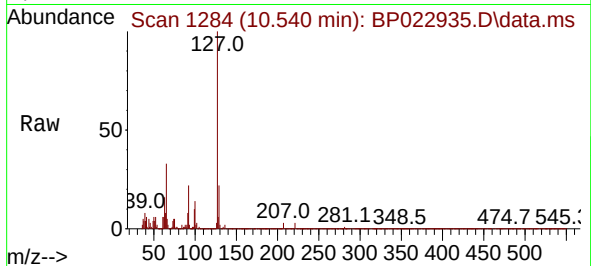




#33
4-Chloroaniline
Concen: 3.670 ng
RT: 10.540 min Scan# 11
Delta R.T. 0.018 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

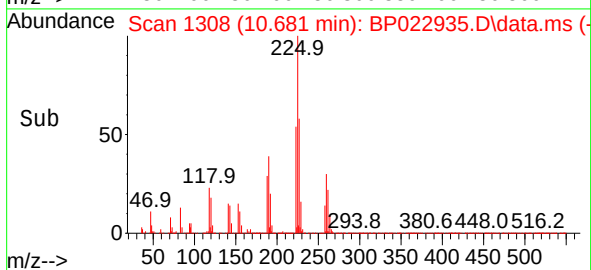
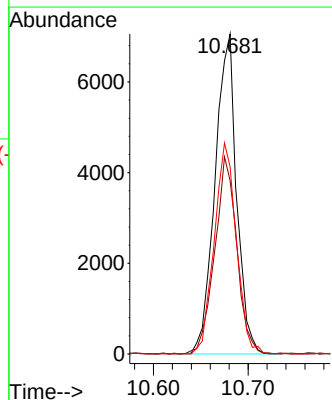
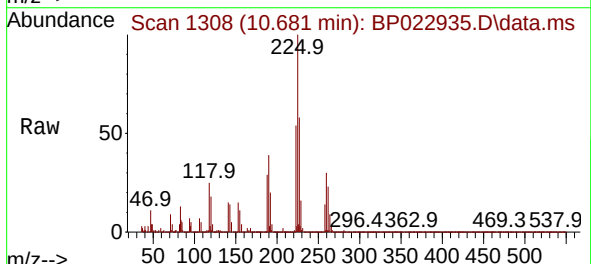
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

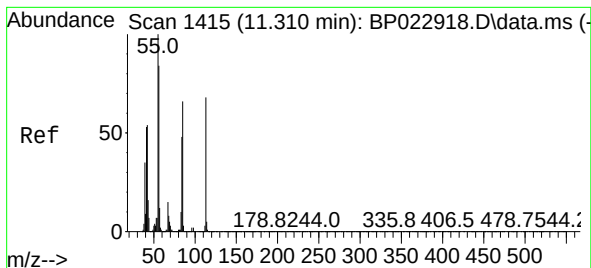
Tgt Ion:	127	Resp:	12684
Ion Ratio	Lower	Upper	
127	100		
129	22.5	25.2	37.8#
65	33.4	29.7	44.5
92	21.9	19.6	29.4



#34
Hexachlorobutadiene
Concen: 3.524 ng
RT: 10.681 min Scan# 1308
Delta R.T. 0.012 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:	225	Resp:	11174
Ion Ratio	Lower	Upper	
225	100		
223	54.2	49.8	74.6
227	58.5	50.5	75.7

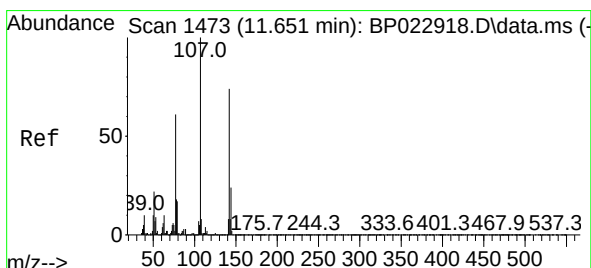
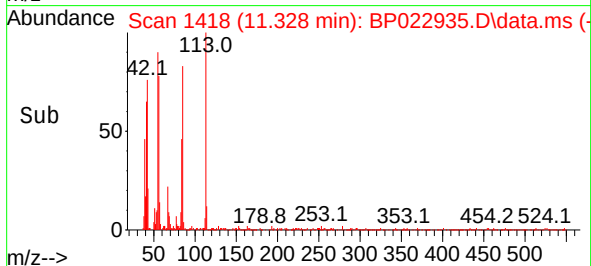
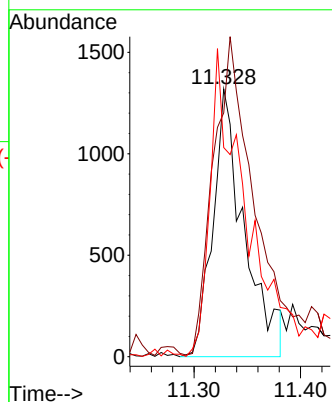
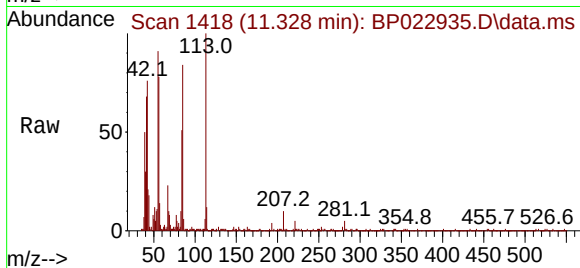




#35
Caprolactam
Concen: 2.653 ng
RT: 11.328 min Scan# 1418
Delta R.T. 0.018 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

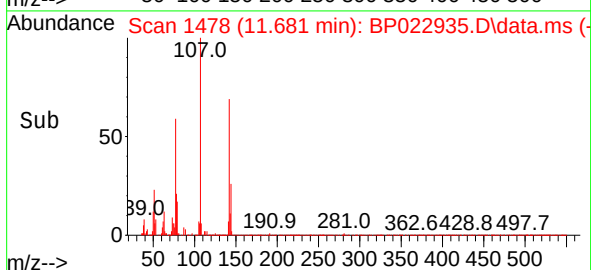
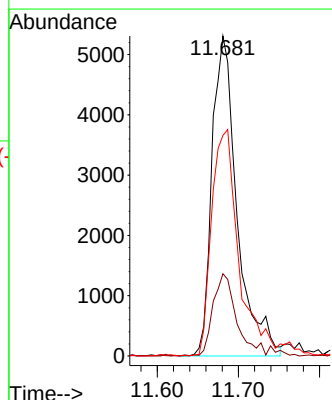
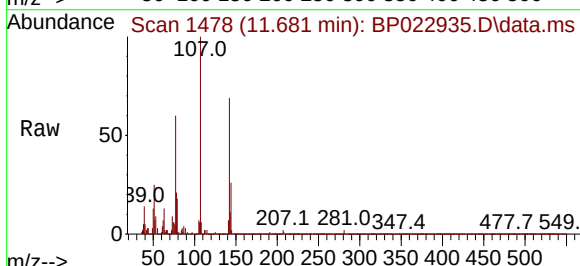
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

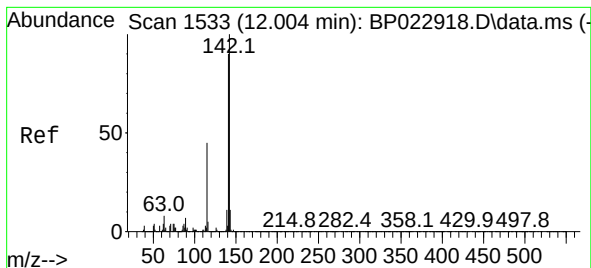
Tgt Ion:113 Resp: 2686
Ion Ratio Lower Upper
113 100
55 91.1 127.4 167.4#
56 78.2 103.5 143.5#



#36
4-Chloro-3-methylphenol
Concen: 3.026 ng
RT: 11.681 min Scan# 1478
Delta R.T. 0.030 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:107 Resp: 11409
Ion Ratio Lower Upper
107 100
144 25.7 19.4 29.0
142 68.9 59.5 89.3





#37

2-Methylnaphthalene

Concen: 3.636 ng

RT: 12.016 min Scan# 1535

Delta R.T. 0.012 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

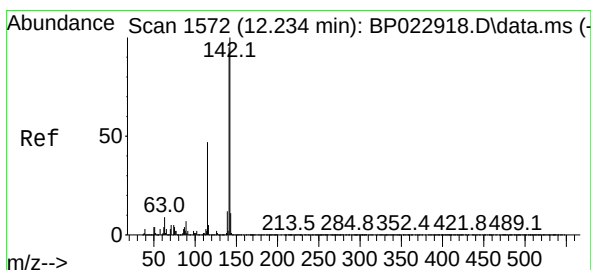
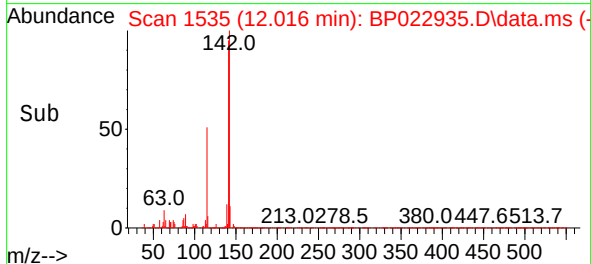
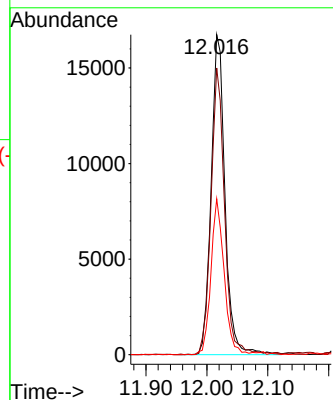
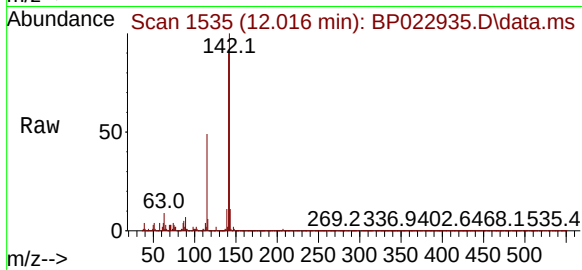
Tgt Ion:142 Resp: 26444

Ion Ratio Lower Upper

142 100

141 89.6 72.2 108.4

115 48.7 35.9 53.9



#38

1-Methylnaphthalene

Concen: 3.402 ng

RT: 12.240 min Scan# 1573

Delta R.T. 0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

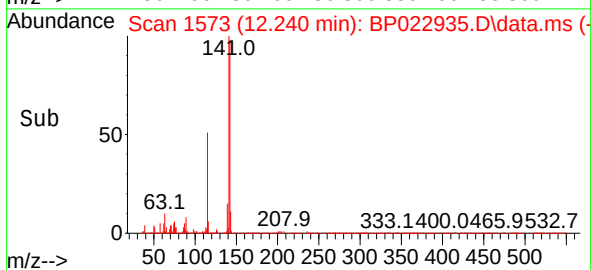
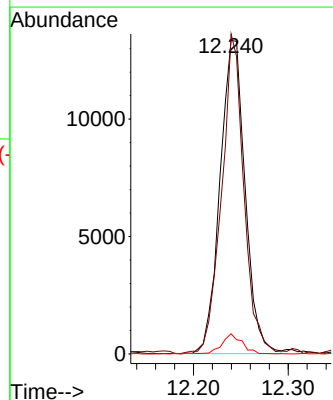
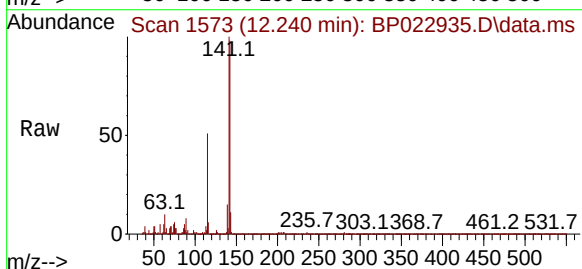
Tgt Ion:142 Resp: 24558

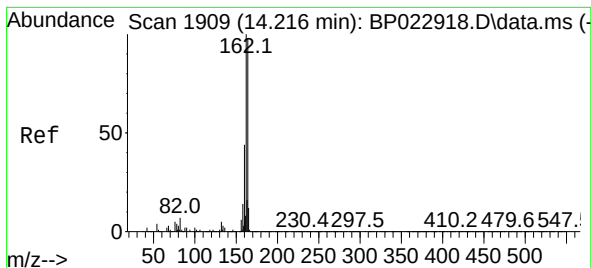
Ion Ratio Lower Upper

142 100

141 102.1 75.8 113.8

116 6.4 3.8 5.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.216 min Scan# 1909

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

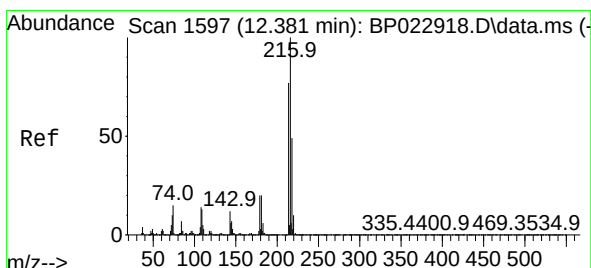
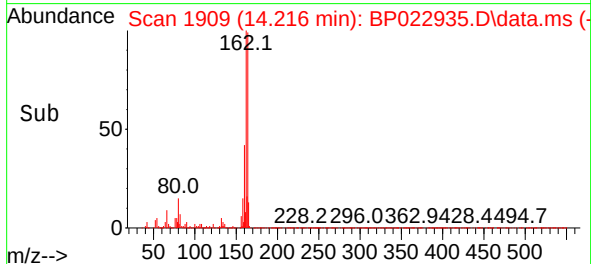
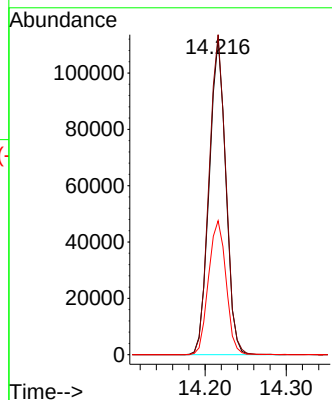
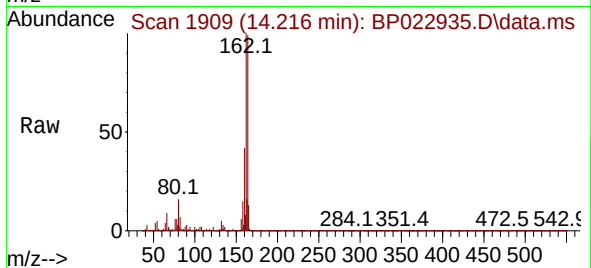
Tgt Ion:164 Resp: 158856

Ion Ratio Lower Upper

164 100

162 101.3 81.8 122.8

160 42.4 35.7 53.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.632 ng

RT: 12.387 min Scan# 1598

Delta R.T. 0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Tgt Ion:216 Resp: 19534

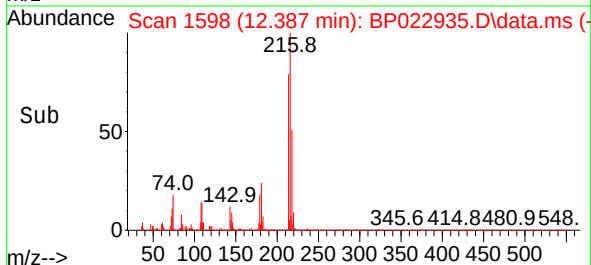
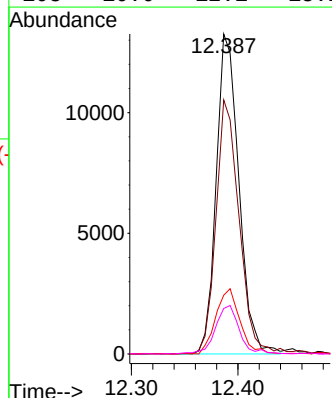
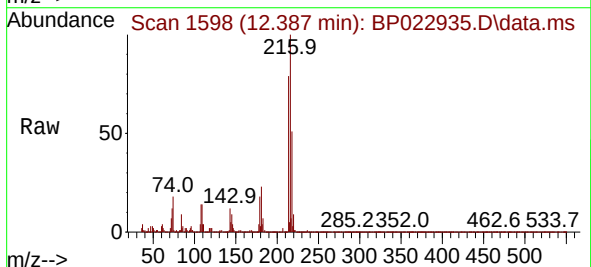
Ion Ratio Lower Upper

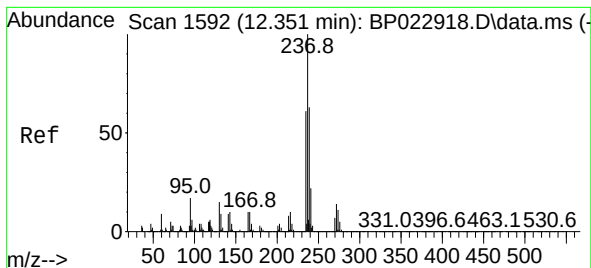
216 100

214 81.3 62.5 93.7

179 21.4 16.5 24.7

108 16.0 12.1 18.1





#41

Hexachlorocyclopentadiene

Concen: 2.771 ng

RT: 12.357 min Scan# 1593

Delta R.T. 0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

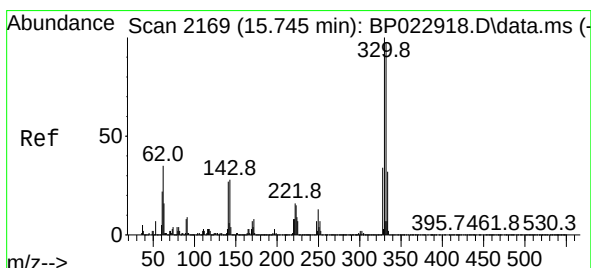
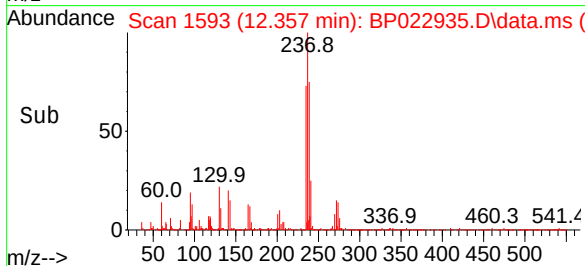
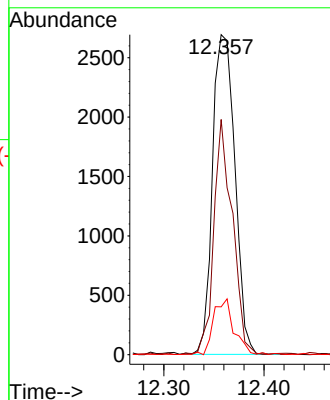
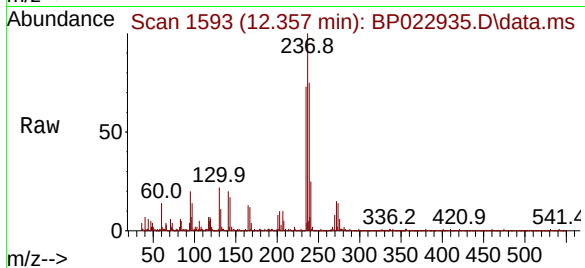
Tgt Ion:237 Resp: 4185

Ion Ratio Lower Upper

237 100

235 73.5 41.2 81.2

272 14.9 0.0 33.7



#42

2,4,6-Tribromophenol

Concen: 117.896 ng

RT: 15.739 min Scan# 2168

Delta R.T. -0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

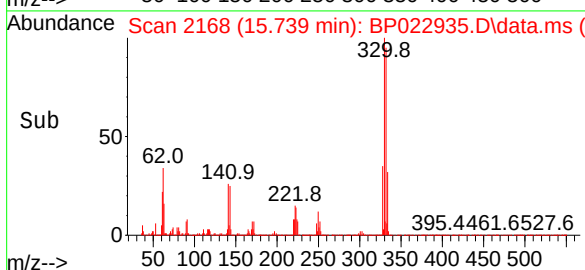
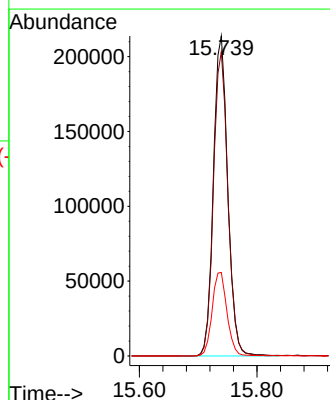
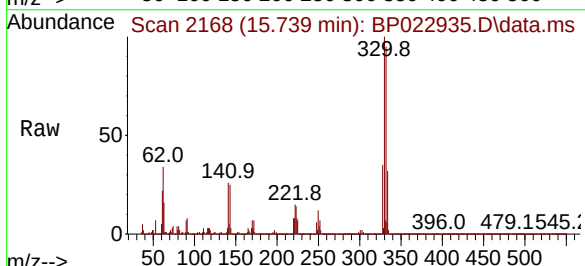
Tgt Ion:330 Resp: 363016

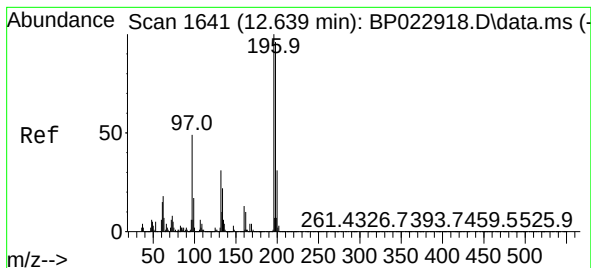
Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

141 27.0 21.6 32.4





#43

2,4,6-Trichlorophenol

Concen: 3.475 ng

RT: 12.745 min Scan# 1

Delta R.T. 0.106 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

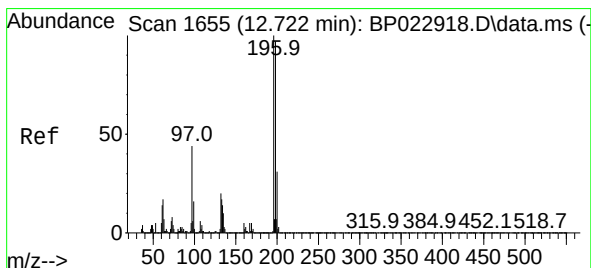
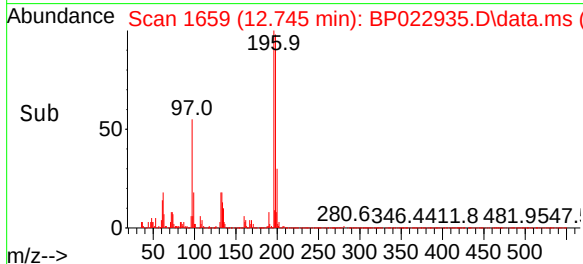
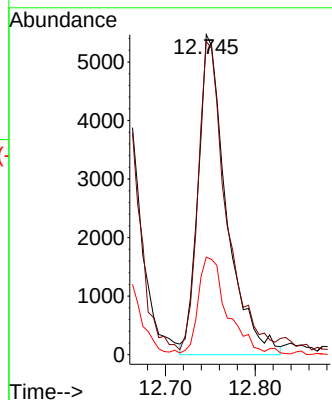
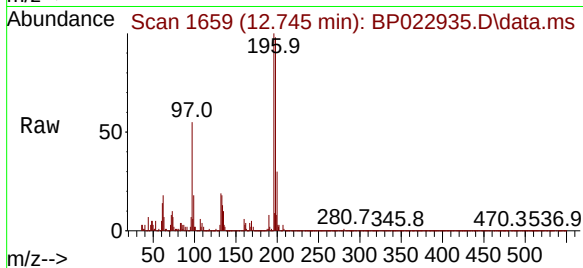
Tgt Ion:196 Resp: 11885

Ion Ratio Lower Upper

196 100

198 97.9 76.5 114.7

200 33.0 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 3.052 ng

RT: 12.745 min Scan# 1659

Delta R.T. 0.024 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Tgt Ion:196 Resp: 11885

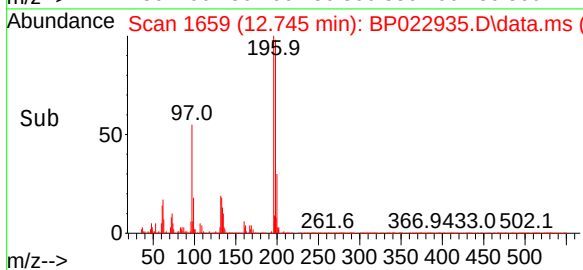
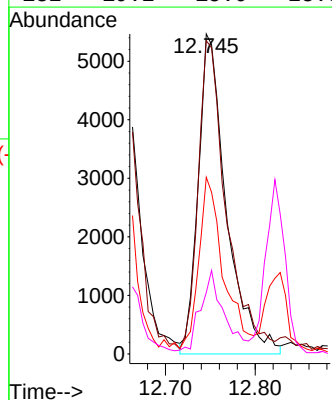
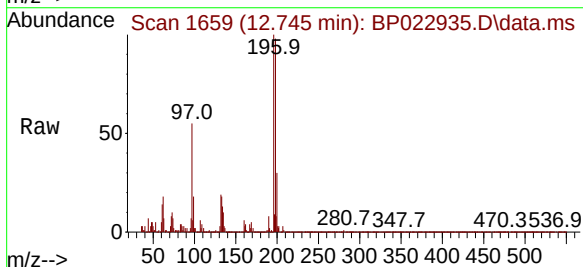
Ion Ratio Lower Upper

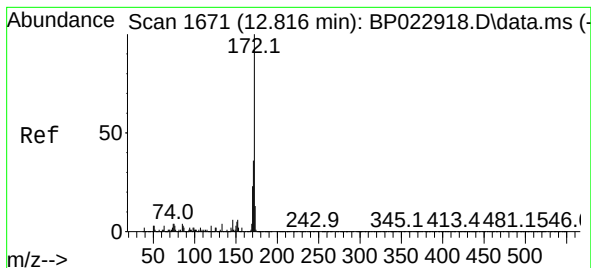
196 100

198 97.9 77.8 116.8

97 55.2 35.2 52.8#

132 19.2 15.9 23.9





#45

2-Fluorobiphenyl

Concen: 80.893 ng

RT: 12.822 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

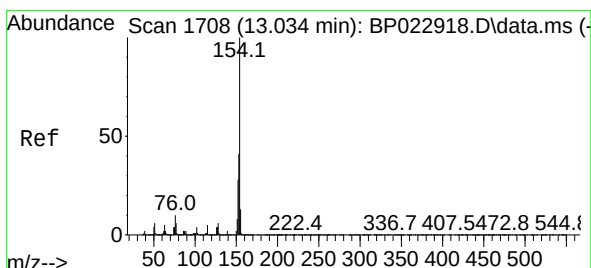
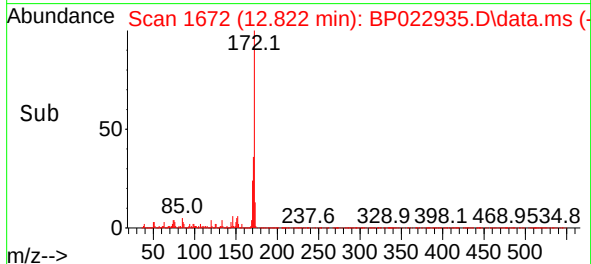
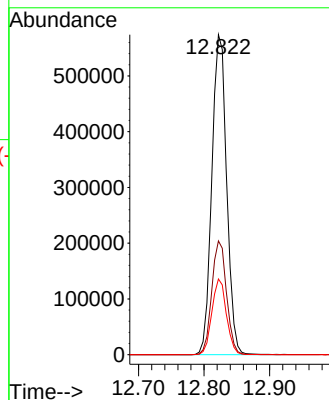
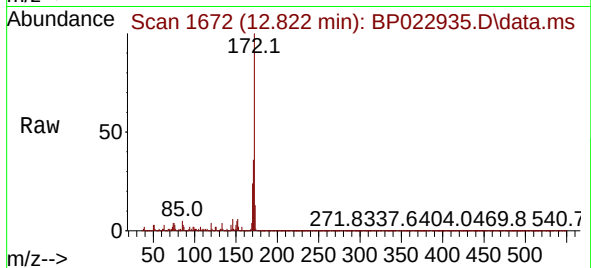
Tgt Ion:172 Resp: 899341

Ion Ratio Lower Upper

172 100

171 35.6 28.5 42.7

170 23.7 18.6 27.8



#46

1,1'-Biphenyl

Concen: 3.844 ng

RT: 13.040 min Scan# 1709

Delta R.T. 0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

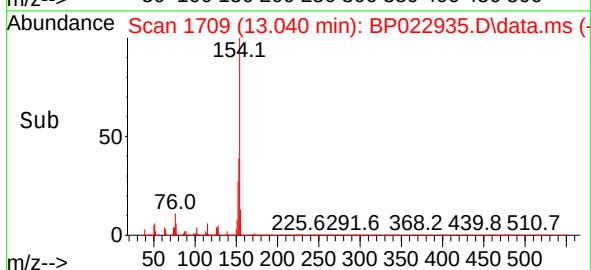
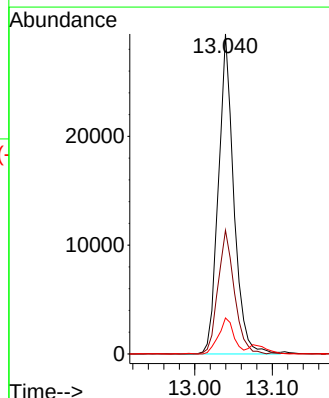
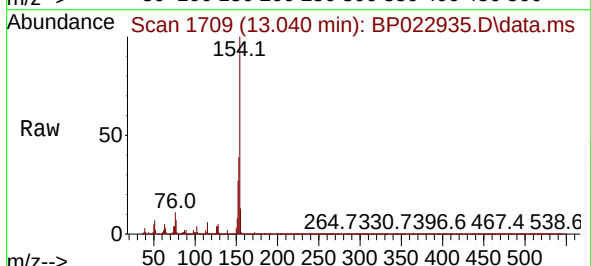
Tgt Ion:154 Resp: 40590

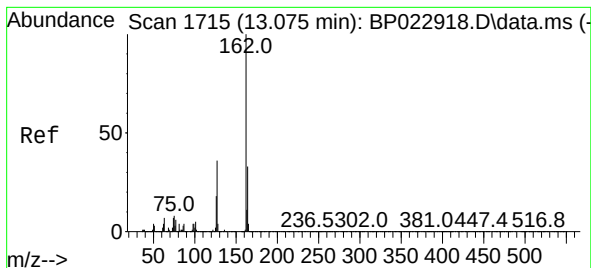
Ion Ratio Lower Upper

154 100

153 38.7 20.6 60.6

76 11.2 0.0 30.5





#47

2-Chloronaphthalene

Concen: 3.596 ng

RT: 13.081 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

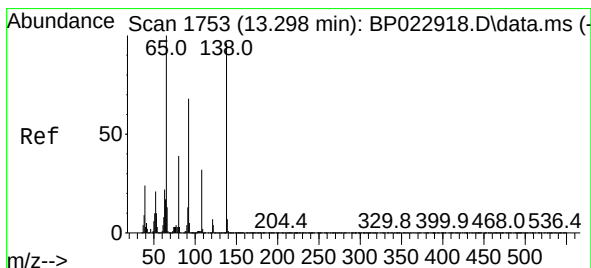
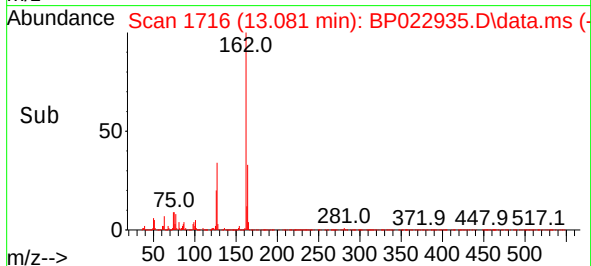
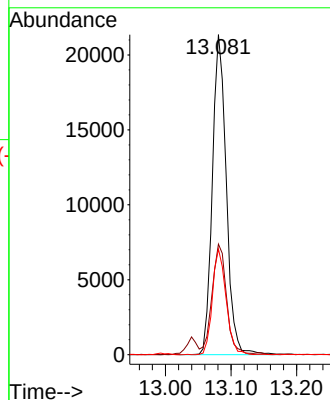
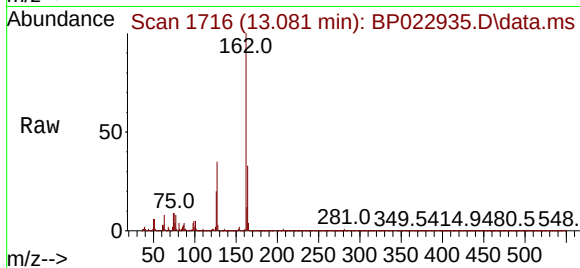
Tgt Ion:162 Resp: 31511

Ion Ratio Lower Upper

162 100

127 34.5 28.6 43.0

164 33.0 26.4 39.6



#48

2-Nitroaniline

Concen: 3.002 ng

RT: 13.322 min Scan# 1757

Delta R.T. 0.024 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

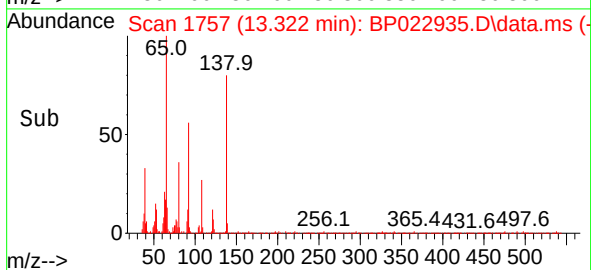
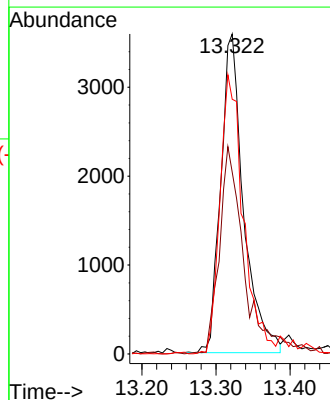
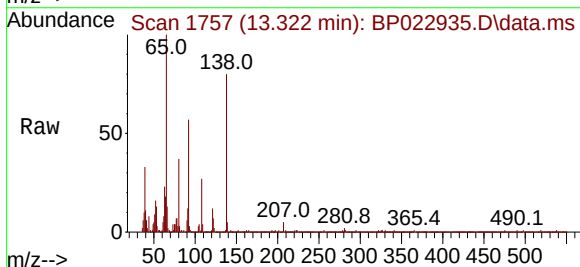
Tgt Ion: 65 Resp: 7666

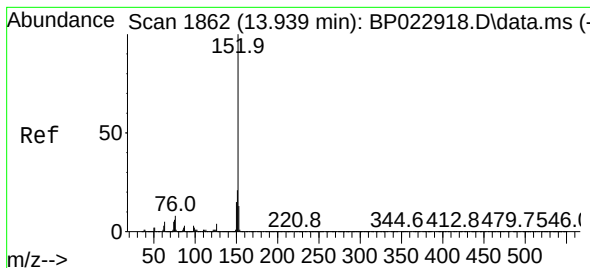
Ion Ratio Lower Upper

65 100

92 56.8 54.4 81.6

138 79.6 76.5 114.7





#49

Acenaphthylene

Concen: 3.834 ng

RT: 13.940 min Scan# 1862

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

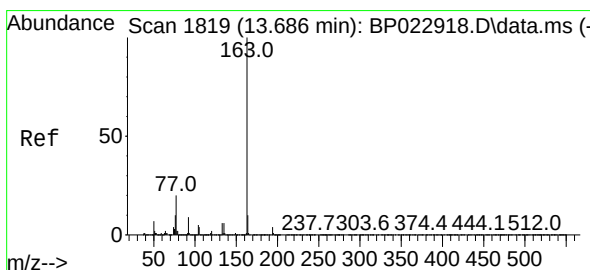
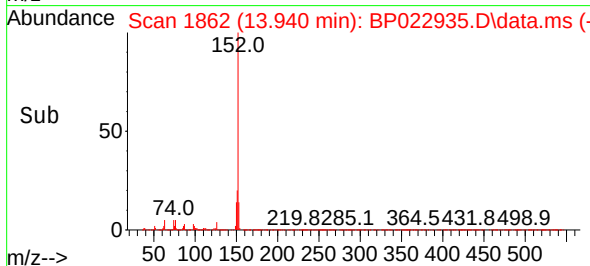
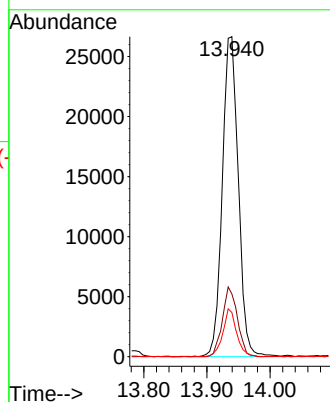
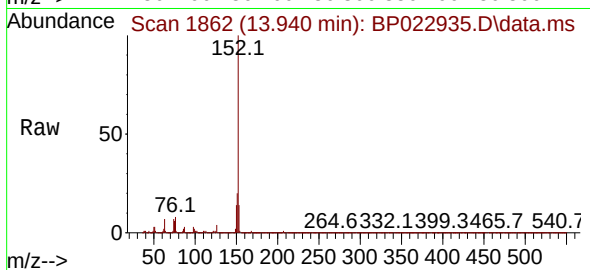
Tgt Ion:152 Resp: 46929

Ion Ratio Lower Upper

152 100

151 19.6 16.8 25.2

153 13.8 10.8 16.2



#50

Dimethylphthalate

Concen: 3.717 ng

RT: 13.687 min Scan# 1819

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

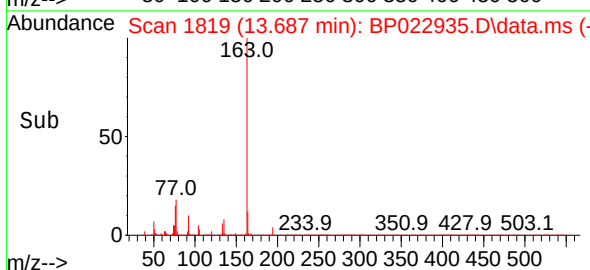
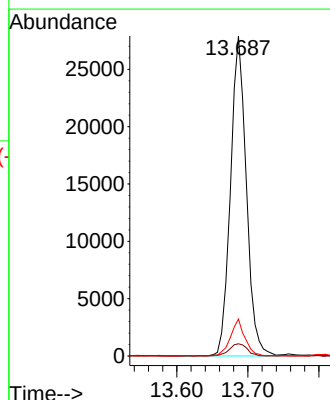
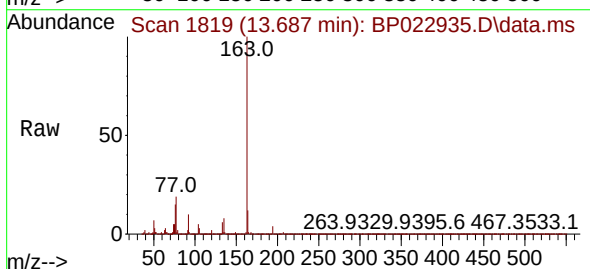
Tgt Ion:163 Resp: 43226

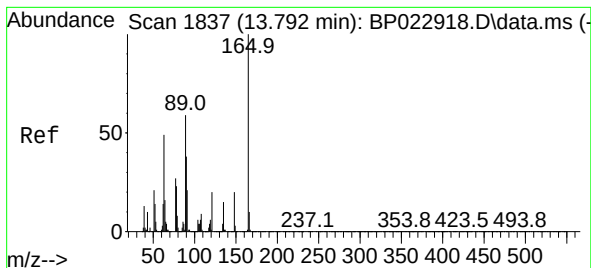
Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

164 11.6 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 3.149 ng

RT: 13.804 min Scan# 1839

Delta R.T. 0.012 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

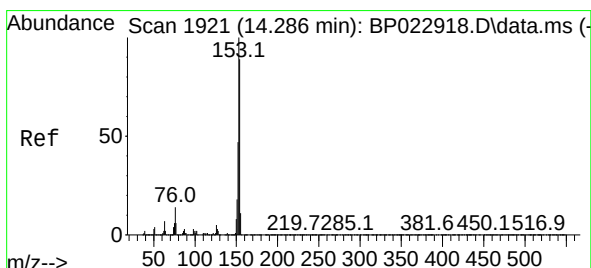
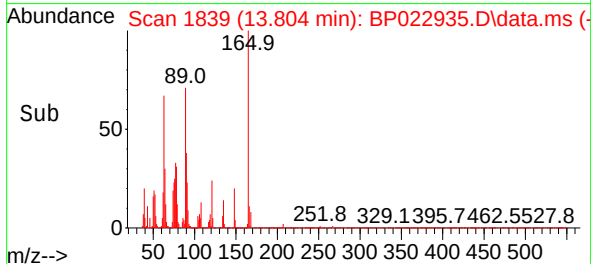
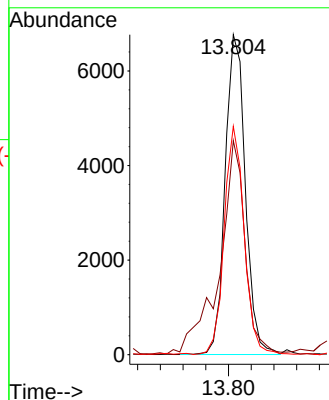
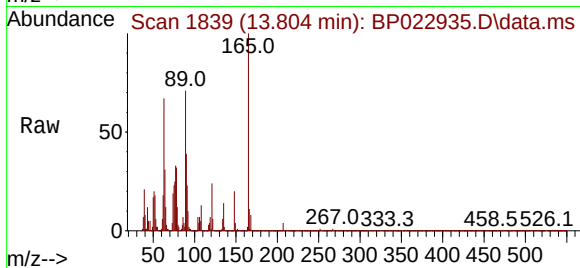
Tgt Ion:165 Resp: 8327

Ion Ratio Lower Upper

165 100

63 66.9 45.1 67.7

89 71.3 46.9 70.3#



#52

Acenaphthene

Concen: 3.546 ng

RT: 14.281 min Scan# 1920

Delta R.T. -0.005 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

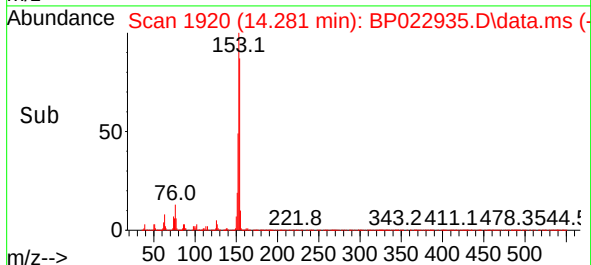
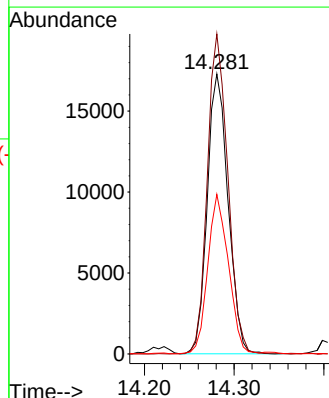
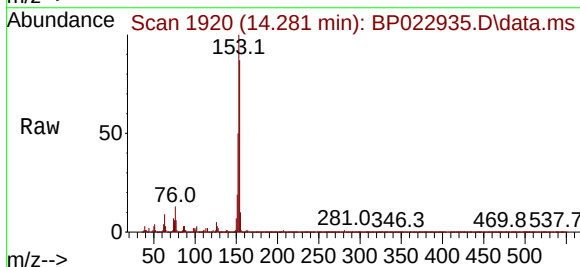
Tgt Ion:154 Resp: 27908

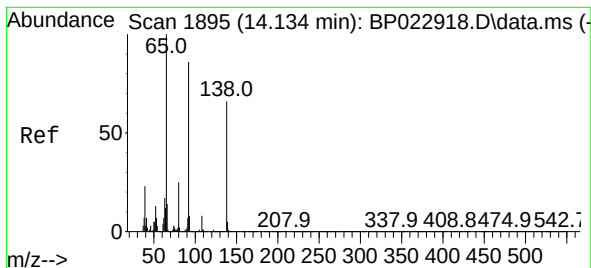
Ion Ratio Lower Upper

154 100

153 114.3 89.9 134.9

152 57.0 42.1 63.1





#53

3-Nitroaniline

Concen: 3.048 ng

RT: 14.157 min Scan# 1899

Delta R.T. 0.024 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

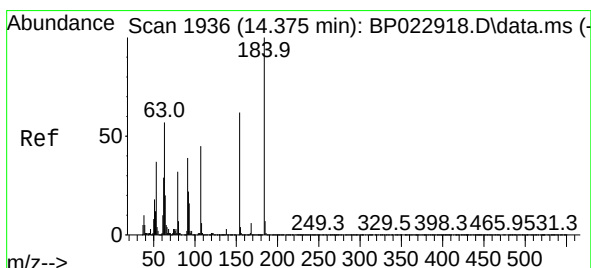
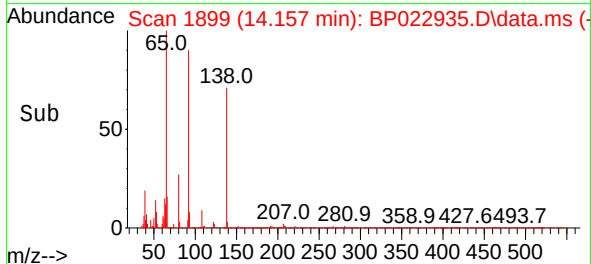
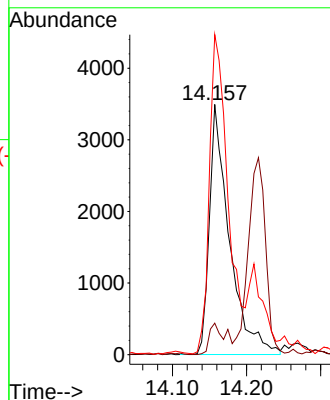
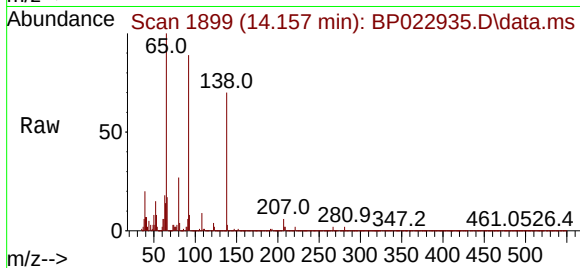
Tgt Ion:138 Resp: 6549

Ion Ratio Lower Upper

138 100

108 12.6 10.2 15.2

92 127.9 104.2 156.2



#54

2,4-Dinitrophenol

Concen: 1.999 ng

RT: 14.416 min Scan# 1943

Delta R.T. 0.041 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

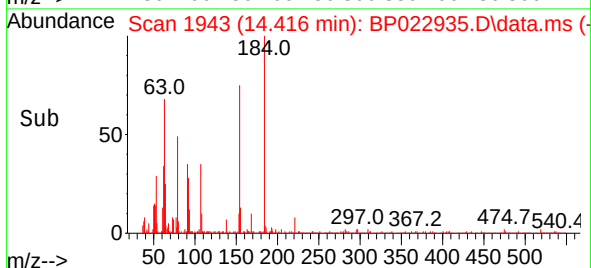
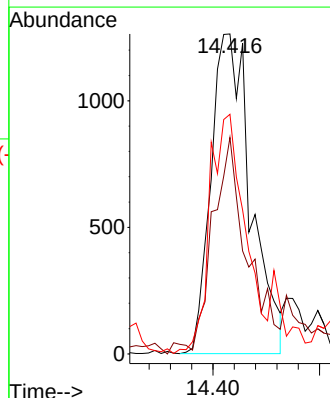
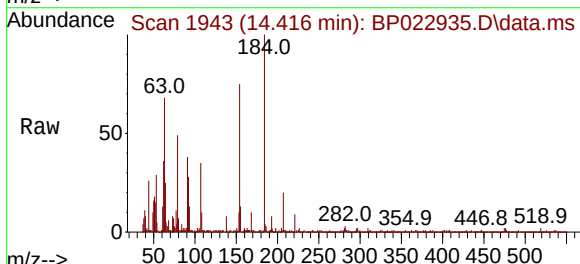
Tgt Ion:184 Resp: 3281

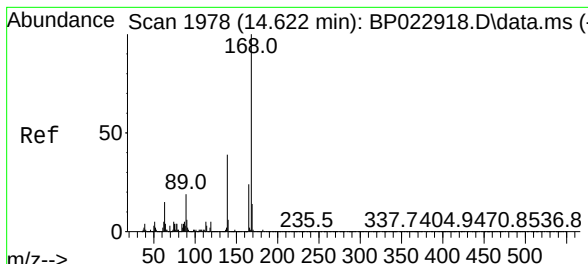
Ion Ratio Lower Upper

184 100

63 67.6 46.3 69.5

154 74.9 56.6 85.0

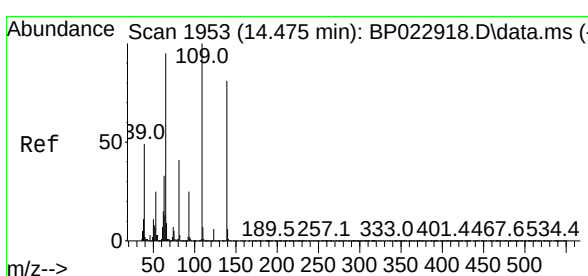
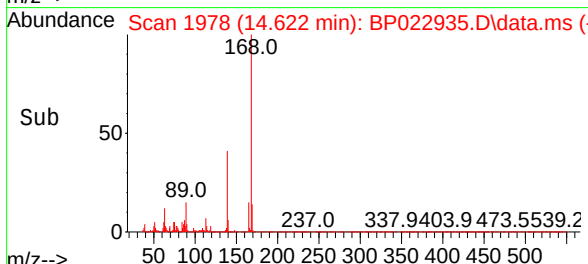
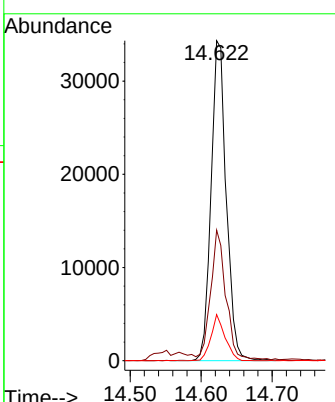
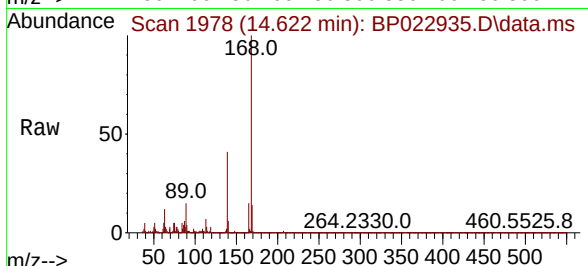




#55
 Dibenzenofuran
 Concen: 3.683 ng
 RT: 14.622 min Scan# 1978
 Delta R.T. 0.000 min
 Lab File: BP022935.D
 Acq: 08 Nov 2024 15:30

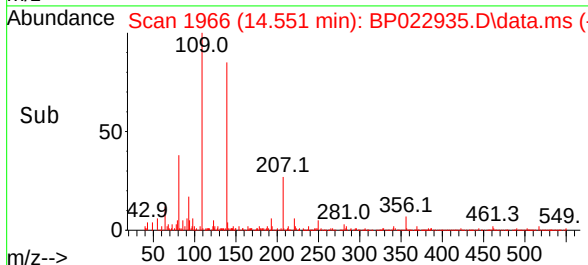
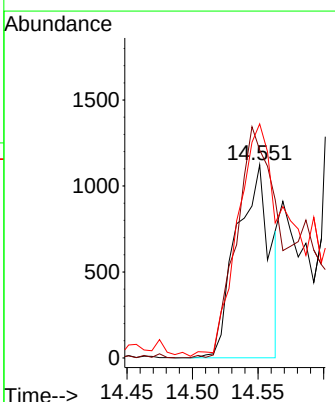
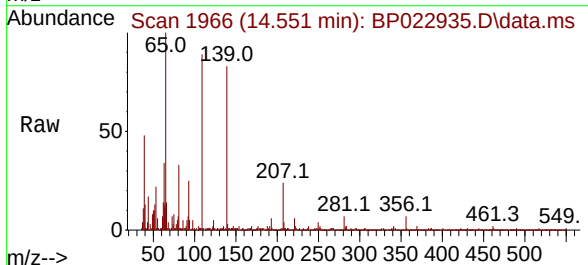
Instrument : BNA_P
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

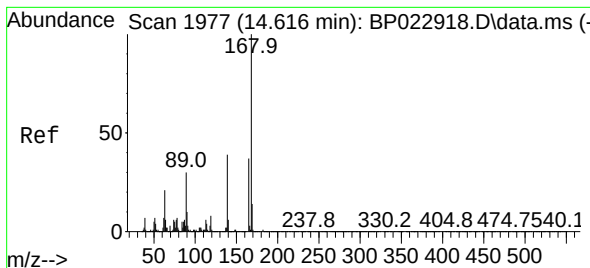
Tgt Ion:	168	Resp:	50906
Ion Ratio	Lower	Upper	
168	100		
139	40.8	31.1	46.7
169	14.4	11.0	16.6



#56
 4-Nitrophenol
 Concen: 1.126 ng
 RT: 14.551 min Scan# 1966
 Delta R.T. 0.077 min
 Lab File: BP022935.D
 Acq: 08 Nov 2024 15:30

Tgt Ion:	139	Resp:	1990
Ion Ratio	Lower	Upper	
139	100		
109	107.7	103.1	143.1
65	121.2	96.9	136.9





#57

2,4-Dinitrotoluene

Concen: 2.971 ng

RT: 14.616 min Scan# 1977

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:165 Resp: 11358

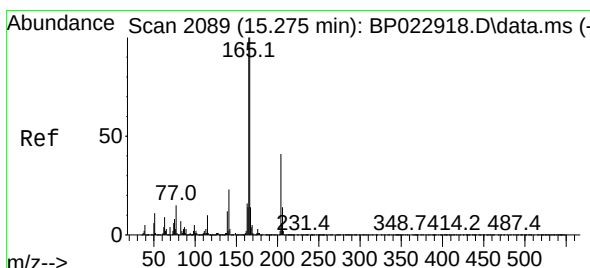
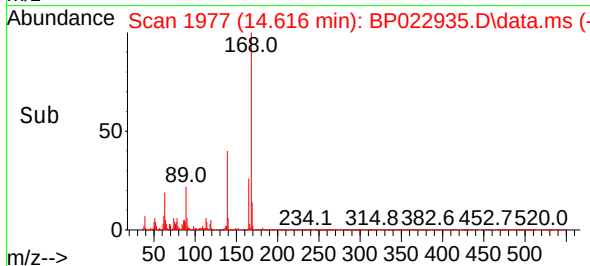
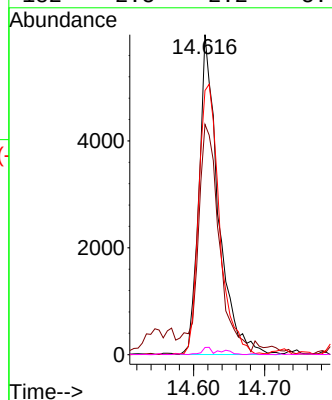
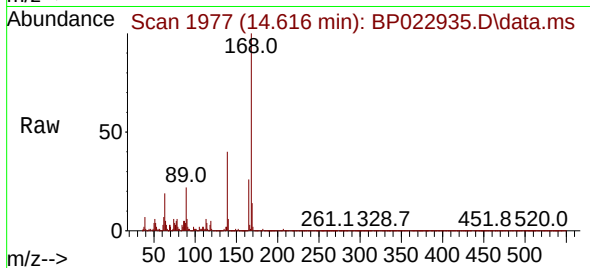
Ion Ratio Lower Upper

165 100

63 72.0 46.5 69.7#

89 82.5 64.0 96.0

182 2.3 2.2 3.4



#58

Fluorene

Concen: 3.485 ng

RT: 15.281 min Scan# 2090

Delta R.T. 0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

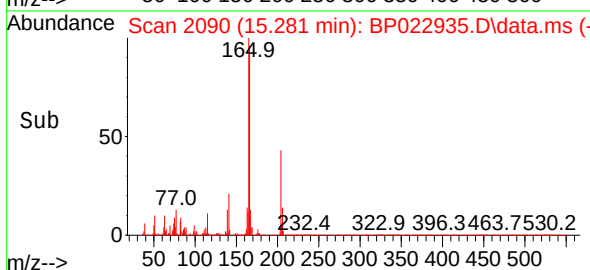
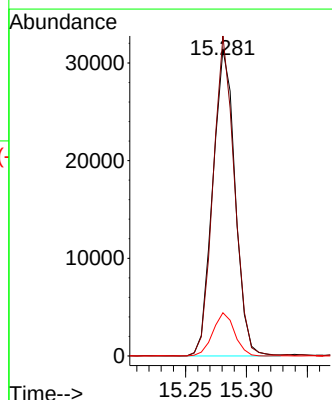
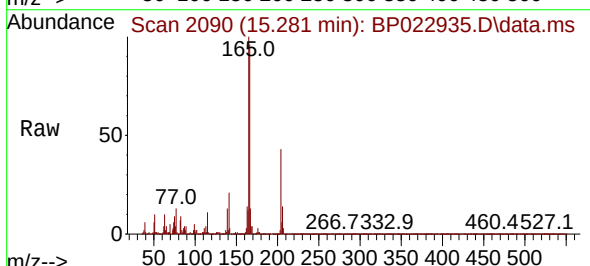
Tgt Ion:166 Resp: 40021

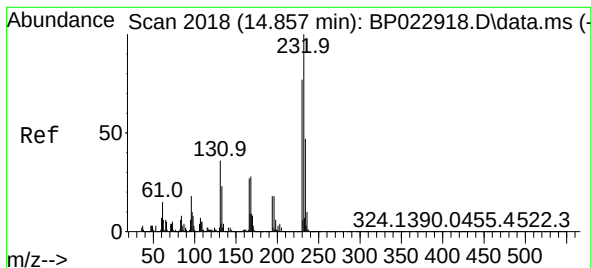
Ion Ratio Lower Upper

166 100

165 104.3 80.1 120.1

167 14.1 11.1 16.7

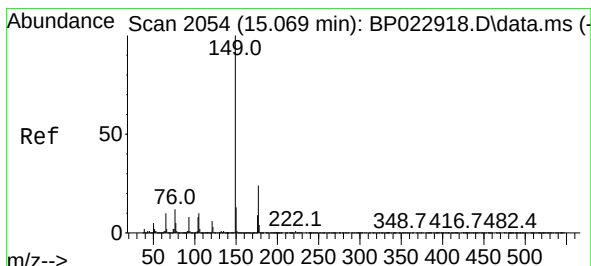
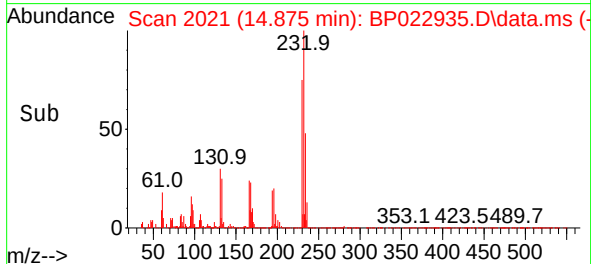
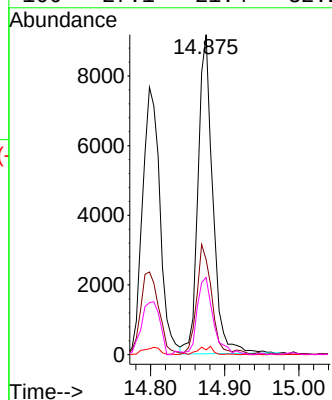
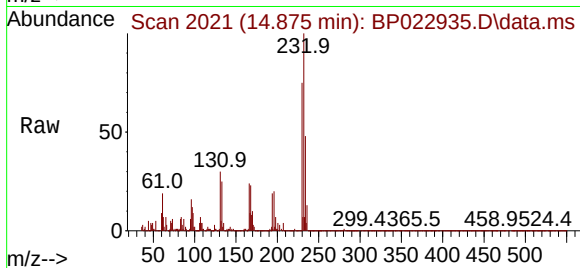




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.355 ng
RT: 14.875 min Scan# 2018
Delta R.T. 0.018 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

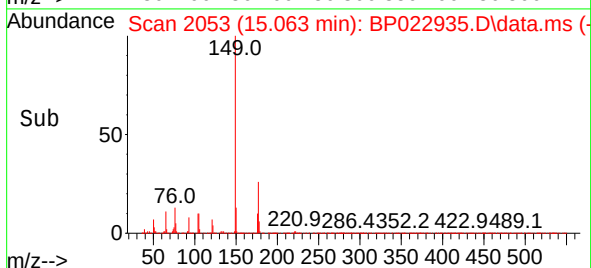
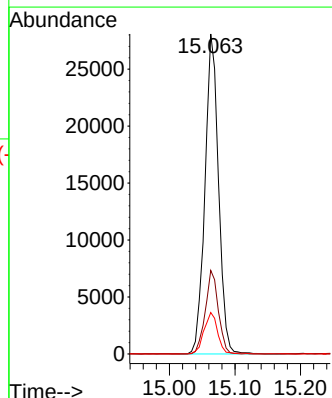
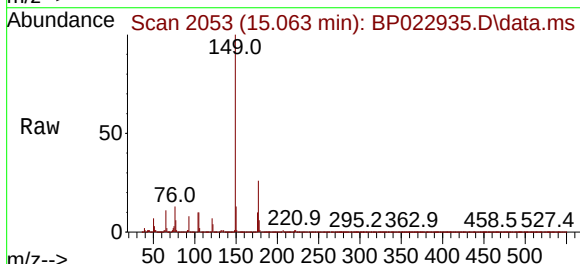
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

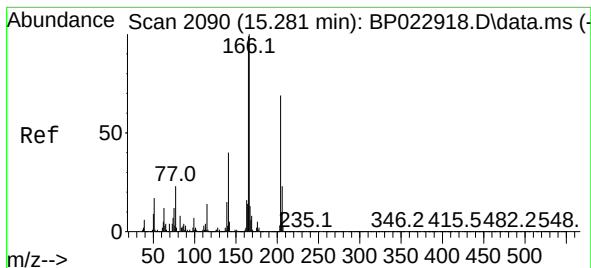
Tgt Ion:	232	Resp:	12600
Ion Ratio	Lower	Upper	
232	100		
131	33.1	28.2	42.2
130	2.5	1.7	2.5
166	27.1	21.4	32.2



#60
Diethylphthalate
Concen: 3.503 ng
RT: 15.063 min Scan# 2053
Delta R.T. -0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:	149	Resp:	40519
Ion Ratio	Lower	Upper	
149	100		
177	26.1	18.9	28.3
150	12.9	10.3	15.5

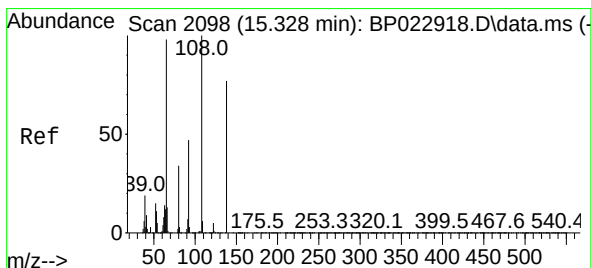
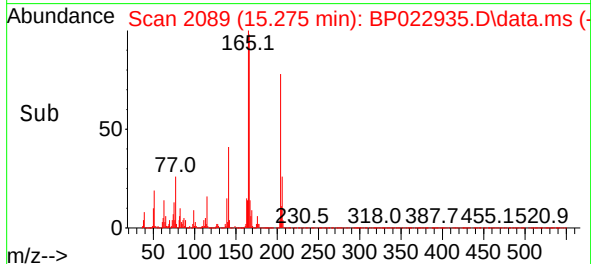
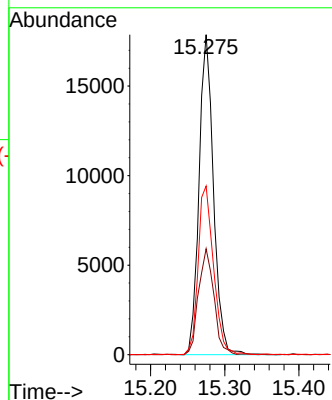
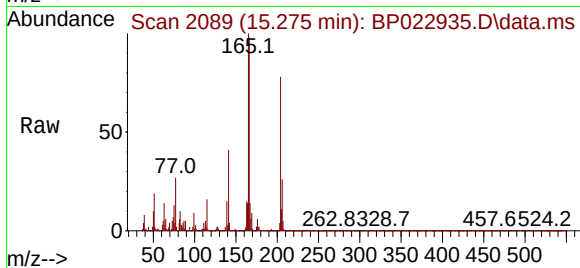




#61
4-Chlorophenyl-phenylether
Concen: 3.561 ng
RT: 15.275 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

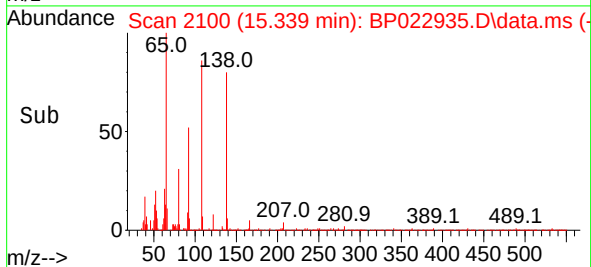
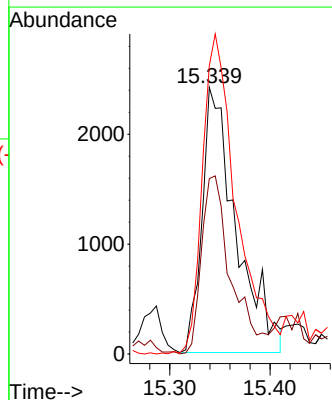
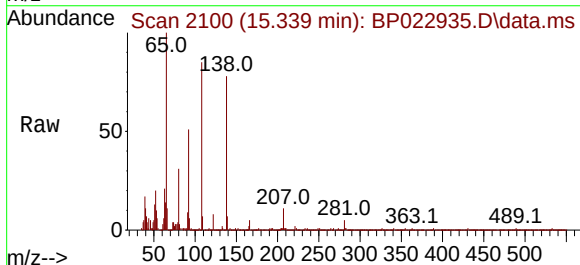
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

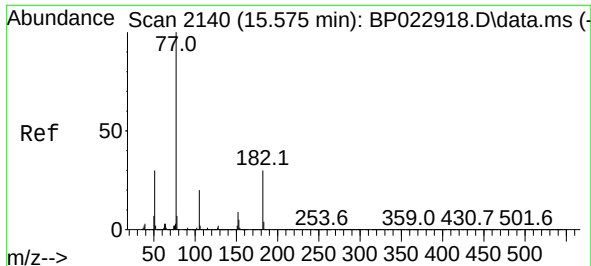
Tgt Ion:204 Resp: 24097
Ion Ratio Lower Upper
204 100
206 33.1 26.8 40.2
141 52.7 46.2 69.4



#62
4-Nitroaniline
Concen: 2.582 ng
RT: 15.339 min Scan# 2100
Delta R.T. 0.012 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:138 Resp: 5692
Ion Ratio Lower Upper
138 100
92 65.8 41.9 81.9
108 108.2 109.3 149.3#

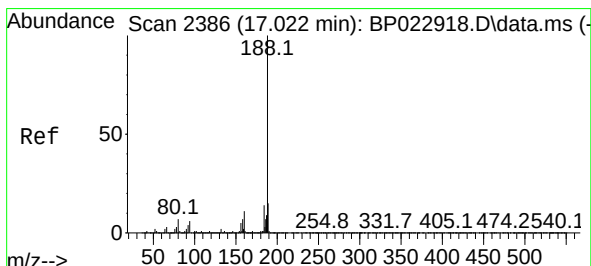
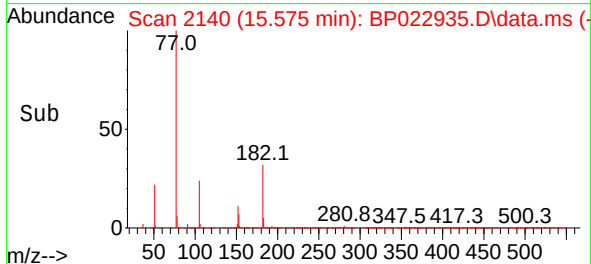
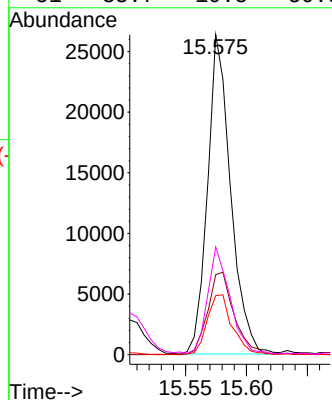
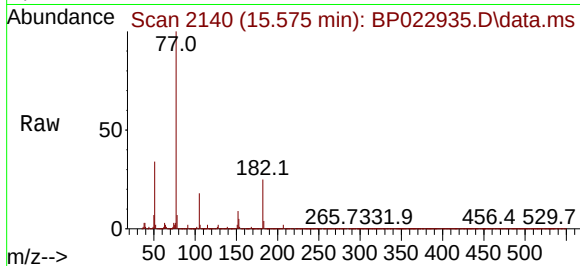




#63
Azobenzene
Concen: 3.502 ng
RT: 15.575 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

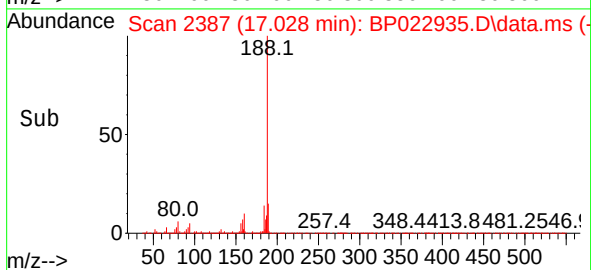
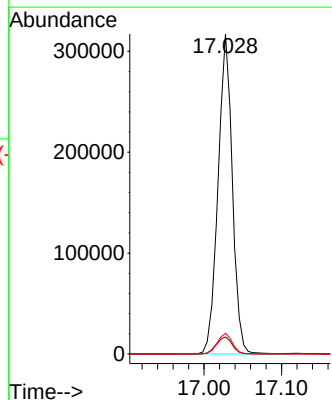
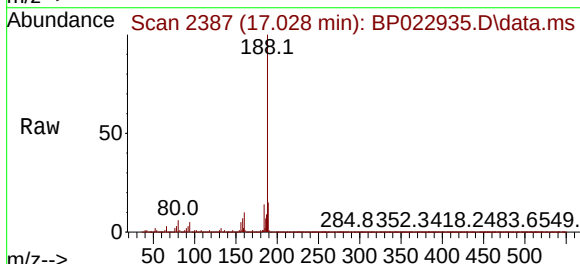
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

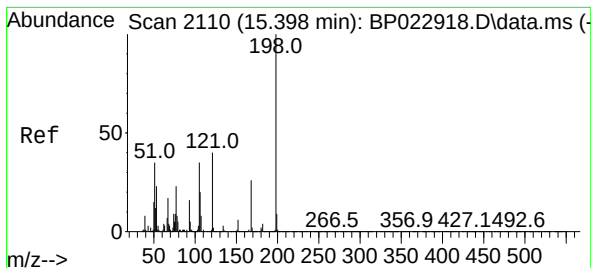
Tgt Ion: 77	Resp: 34837
Ion Ratio	Lower Upper
77 100	
182 25.0	9.9 49.9
105 18.4	0.0 39.9
51 33.7	10.5 50.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.028 min Scan# 2387
Delta R.T. 0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:188	Resp: 406037
Ion Ratio	Lower Upper
188 100	
94 5.3	4.8 7.2
80 6.4	5.9 8.9

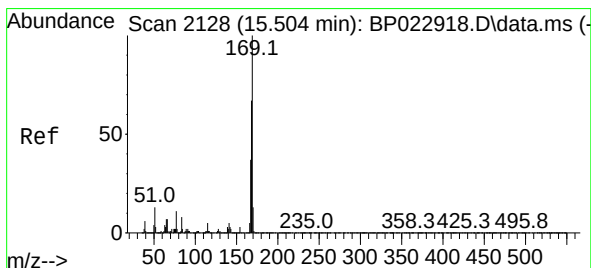
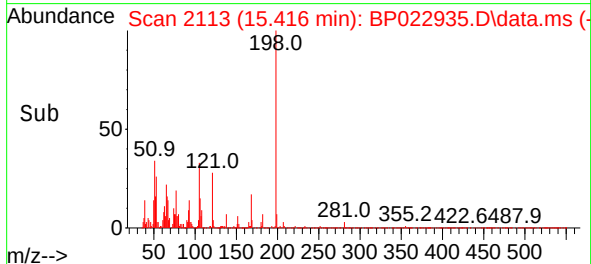
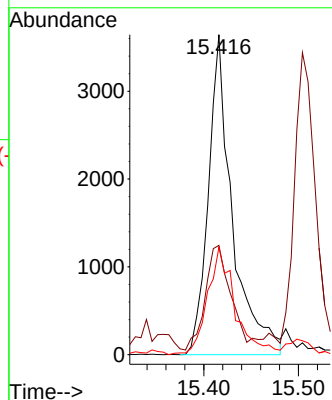
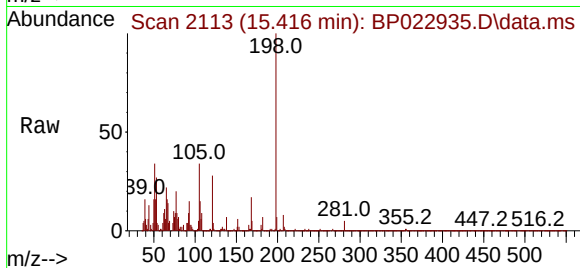




#65
4,6-Dinitro-2-methylphenol
Concen: 2.599 ng
RT: 15.416 min Scan# 2113
Delta R.T. 0.018 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

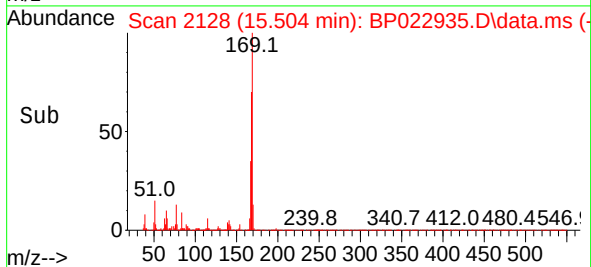
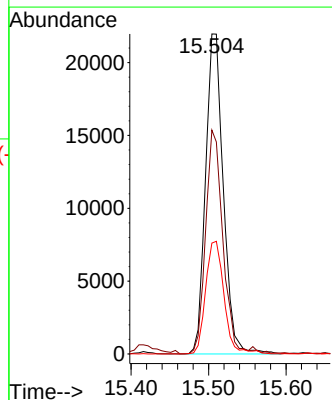
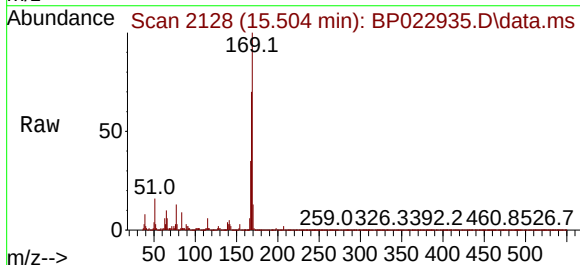
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

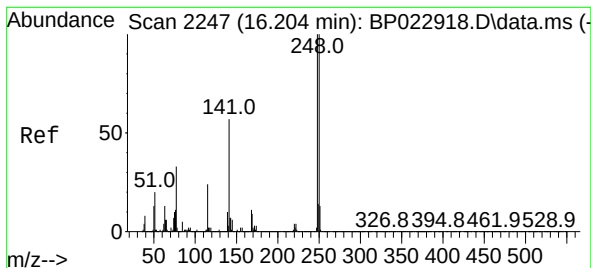
Tgt Ion:198 Resp: 6421
Ion Ratio Lower Upper
198 100
51 34.1 17.4 57.4
105 33.5 15.4 55.4



#66
n-Nitrosodiphenylamine
Concen: 3.483 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:169 Resp: 34963
Ion Ratio Lower Upper
169 100
168 70.0 53.9 80.9
167 34.7 29.4 44.0





#67

4-Bromophenyl-phenylether

Concen: 3.498 ng

RT: 16.198 min Scan# 2246

Delta R.T. -0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

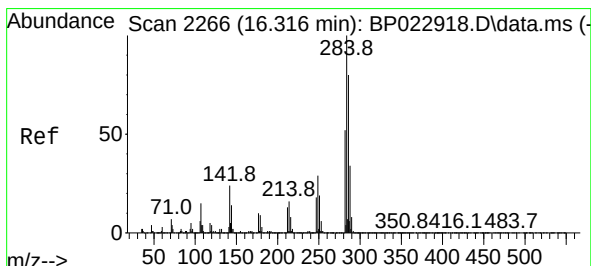
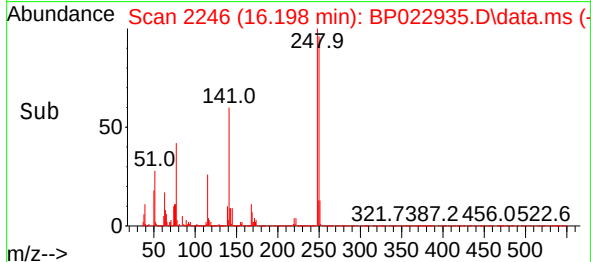
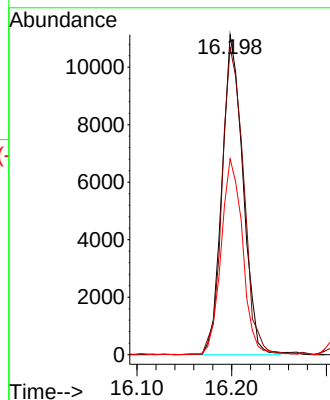
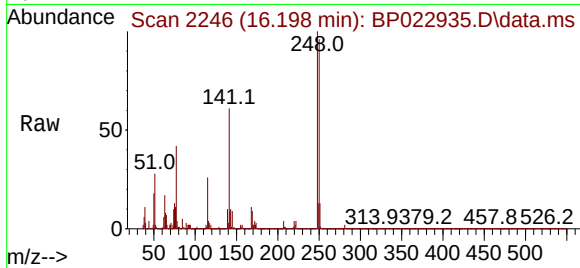
Tgt Ion:248 Resp: 17034

Ion Ratio Lower Upper

248 100

250 96.0 79.8 119.6

141 61.2 45.2 67.8



#68

Hexachlorobenzene

Concen: 3.556 ng

RT: 16.316 min Scan# 2266

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

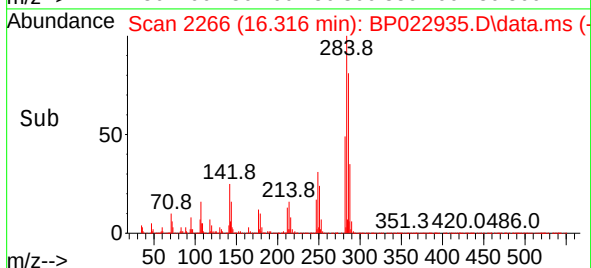
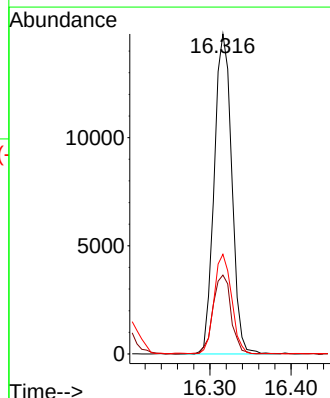
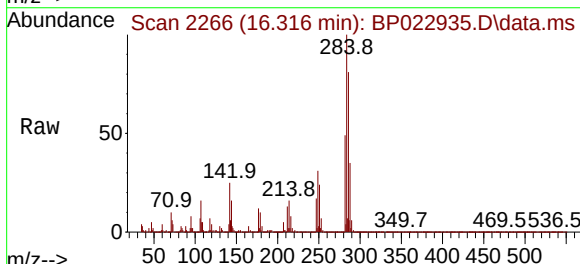
Tgt Ion:284 Resp: 22182

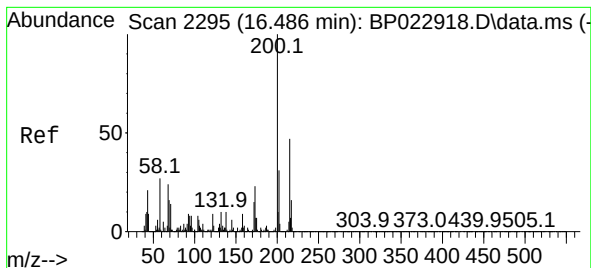
Ion Ratio Lower Upper

284 100

142 24.7 19.0 28.4

249 31.2 23.0 34.6





#69

Atrazine

Concen: 4.340 ng

RT: 16.486 min Scan# 2295

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

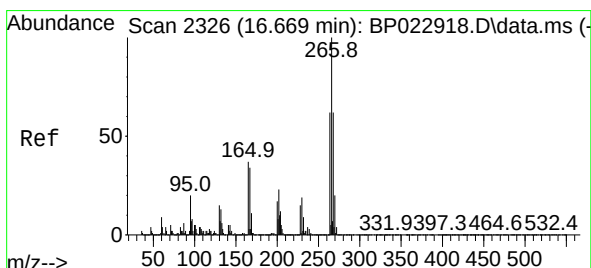
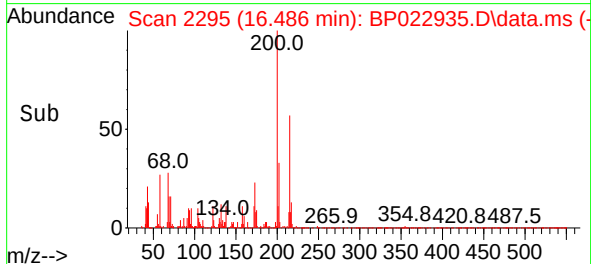
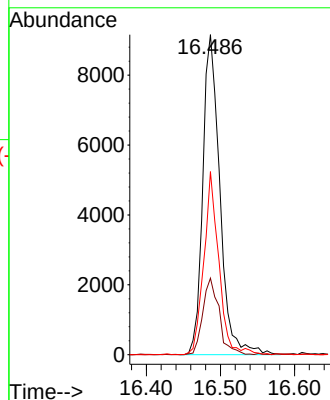
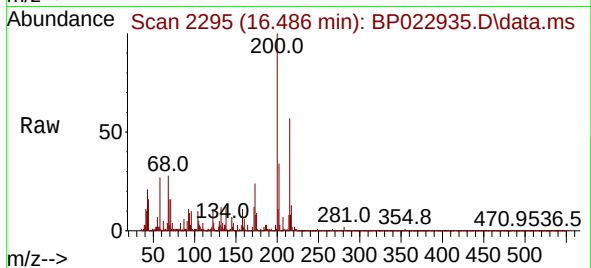
Tgt Ion:200 Resp: 14684

Ion Ratio Lower Upper

200 100

173 23.9 2.7 42.7

215 57.2 27.1 67.1



#70

Pentachlorophenol

Concen: 2.599 ng

RT: 16.686 min Scan# 2329

Delta R.T. 0.018 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

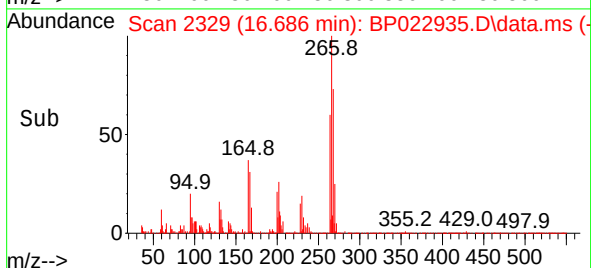
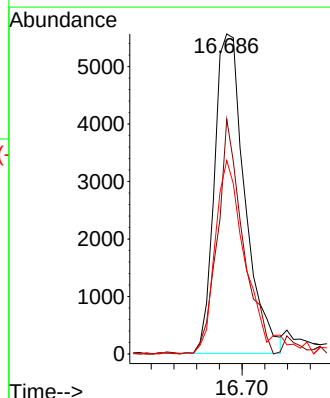
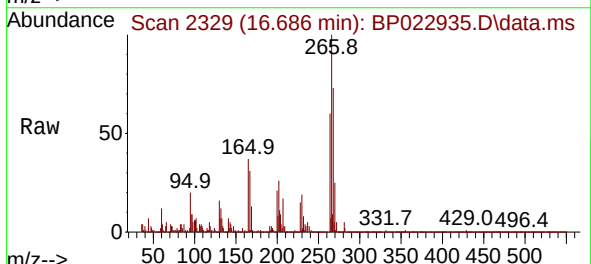
Tgt Ion:266 Resp: 10353

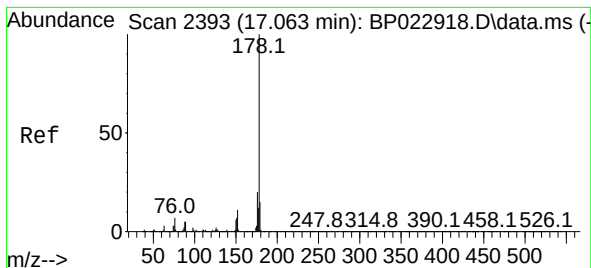
Ion Ratio Lower Upper

266 100

268 73.3 49.9 74.9

264 60.4 49.7 74.5





#71

Phenanthrene

Concen: 3.702 ng

RT: 17.063 min Scan# 2409

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

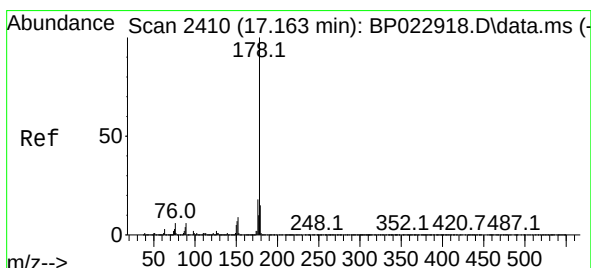
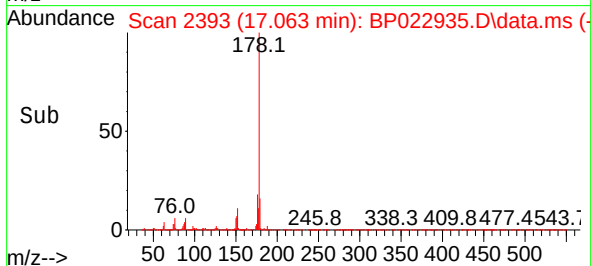
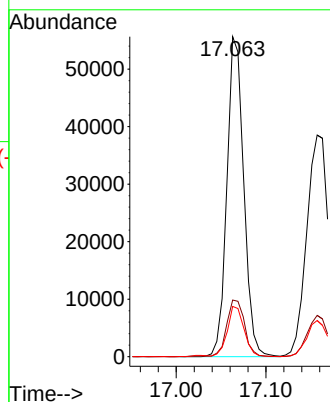
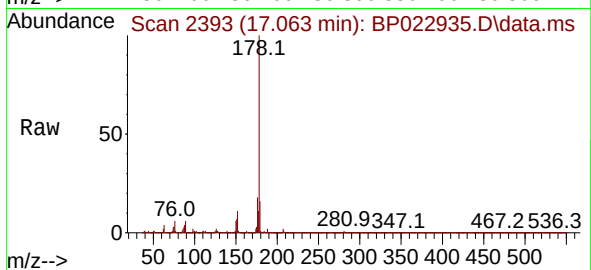
Tgt Ion:178 Resp: 72751

Ion Ratio Lower Upper

178 100

176 17.7 15.6 23.4

179 15.7 12.0 18.0



#72

Anthracene

Concen: 3.683 ng

RT: 17.157 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

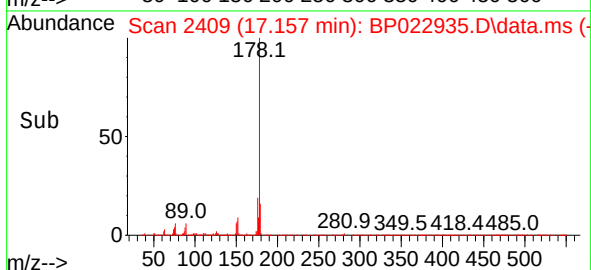
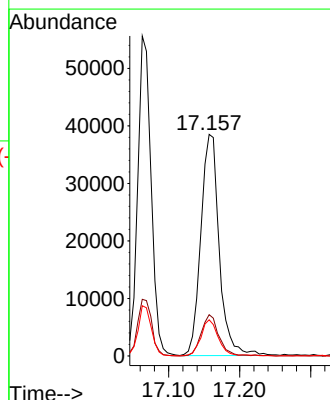
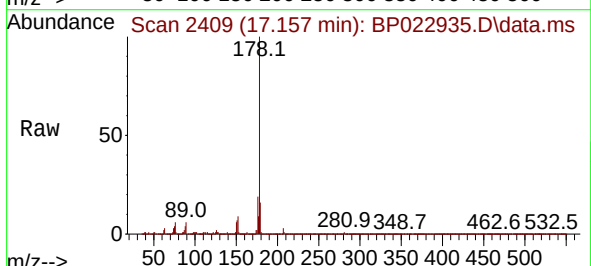
Tgt Ion:178 Resp: 69447

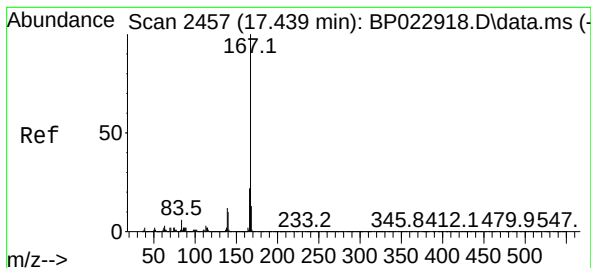
Ion Ratio Lower Upper

178 100

176 18.7 14.6 22.0

179 16.4 12.3 18.5





#73

Carbazole

Concen: 3.359 ng

RT: 17.451 min Scan# 2459

Delta R.T. 0.012 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

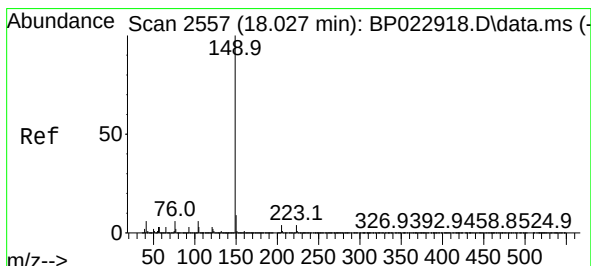
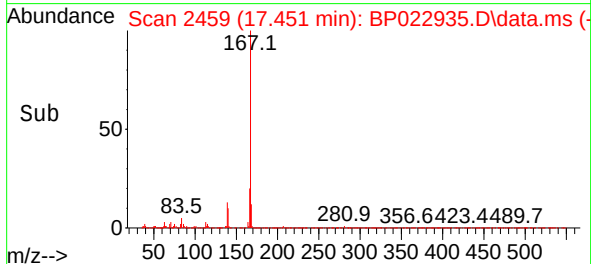
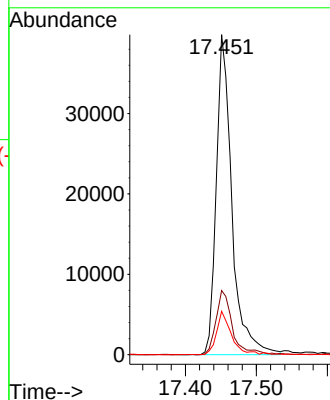
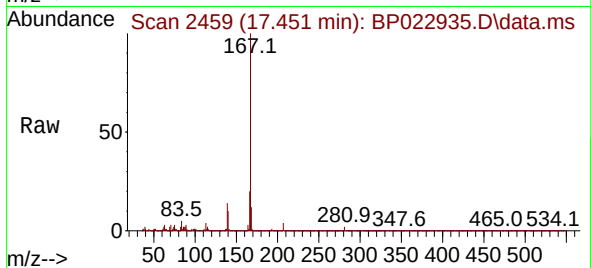
Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:167	Resp:	60508
Ion Ratio	Lower	Upper
167	100	
166	20.1	17.4 26.2
139	13.6	10.0 15.0



#74

Di-n-butylphthalate

Concen: 3.085 ng

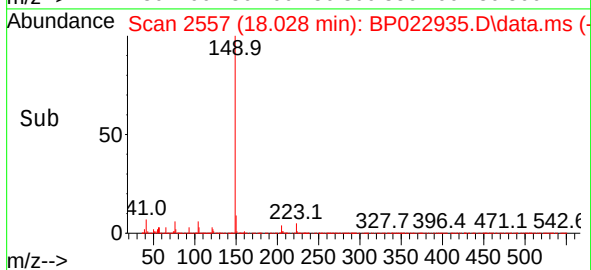
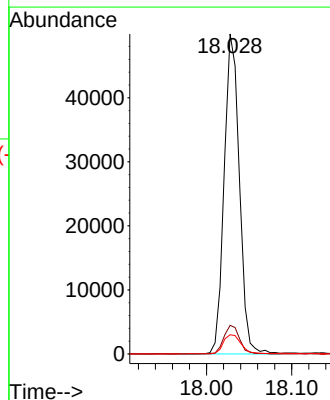
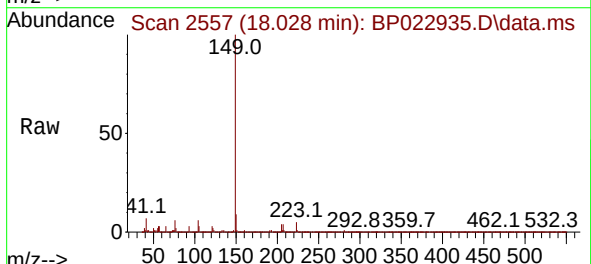
RT: 18.028 min Scan# 2557

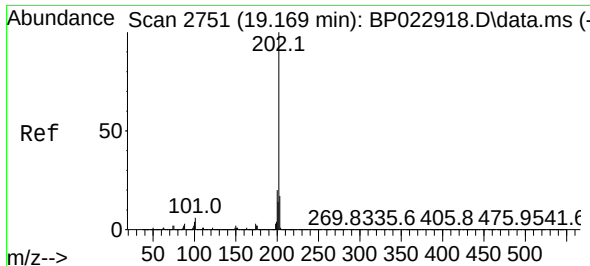
Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Tgt Ion:149	Resp:	61929
Ion Ratio	Lower	Upper
149	100	
150	9.0	7.2 10.8
104	6.0	4.8 7.2

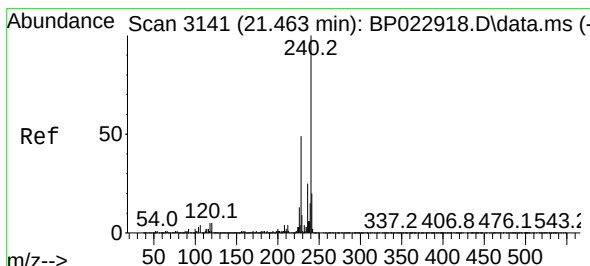
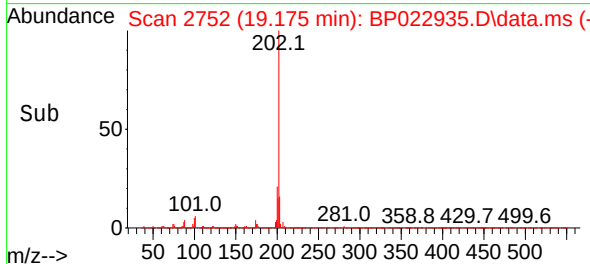
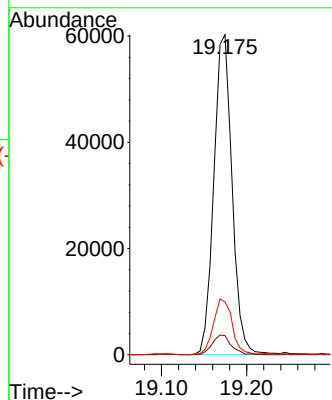
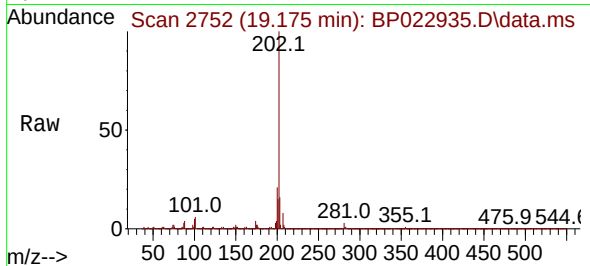




#75
Fluoranthene
Concen: 3.288 ng
RT: 19.175 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

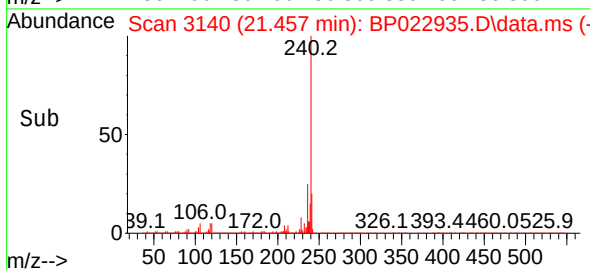
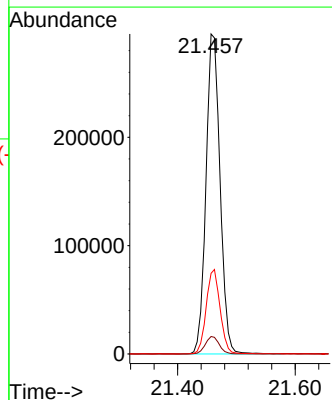
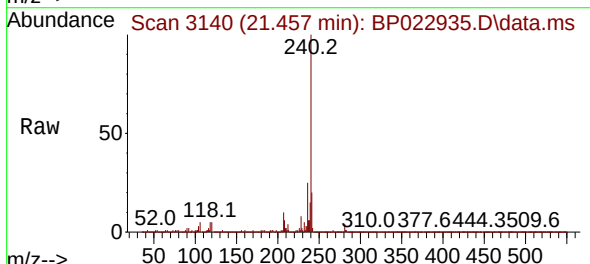
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

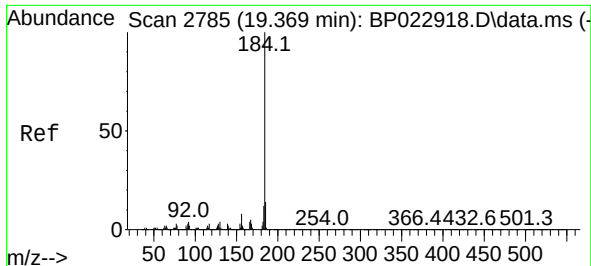
Tgt Ion:	202	Resp:	89634
Ion Ratio	Lower	Upper	
202	100		
101	5.9	0.0	25.5
203	16.5	0.0	37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3140
Delta R.T. -0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:	240	Resp:	491231
Ion Ratio	Lower	Upper	
240	100		
120	5.5	4.2	6.2
236	25.2	20.4	30.6

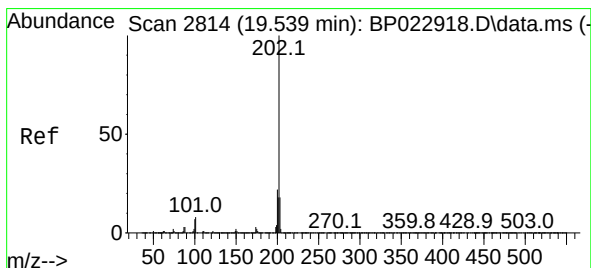
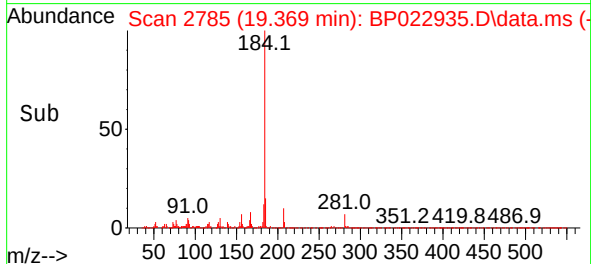
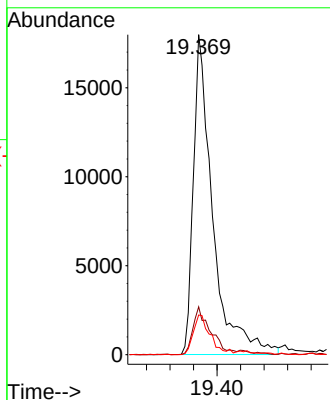
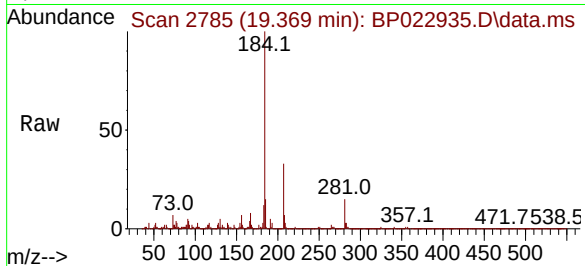




#77
Benzidine
Concen: 4.233 ng
RT: 19.369 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

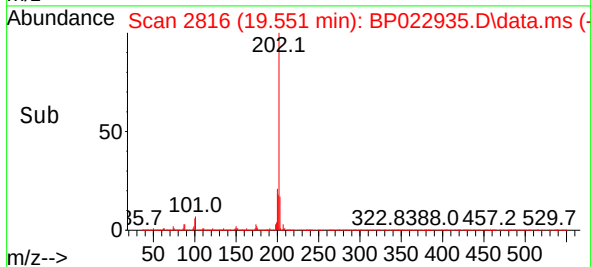
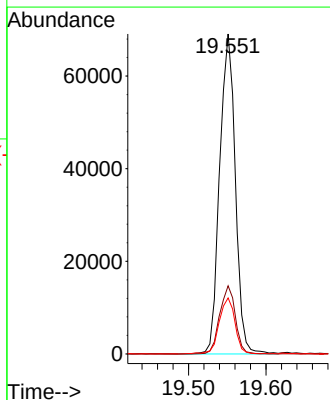
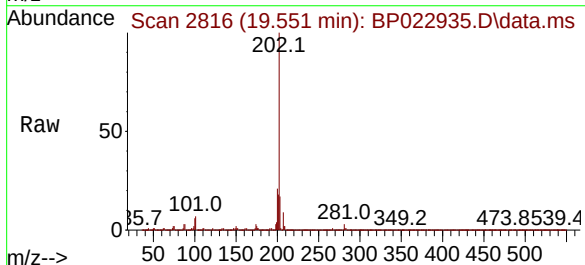
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

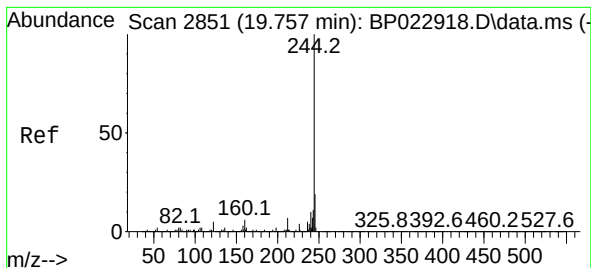
Tgt Ion:184 Resp: 41082
Ion Ratio Lower Upper
184 100
185 14.9 11.3 16.9
183 12.4 9.7 14.5



#78
Pyrene
Concen: 3.343 ng
RT: 19.551 min Scan# 2816
Delta R.T. 0.012 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:202 Resp: 97202
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.0
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 82.722 ng

RT: 19.757 min Scan# 2163

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

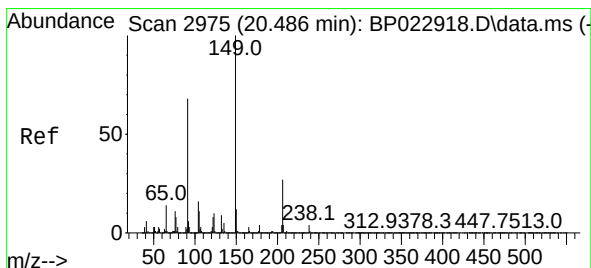
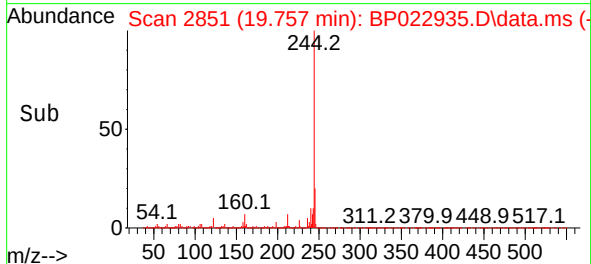
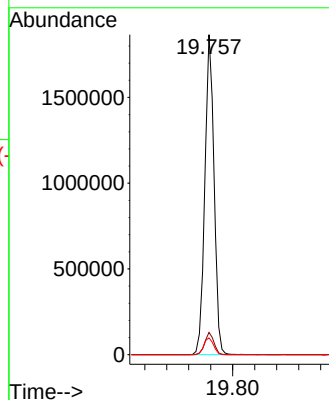
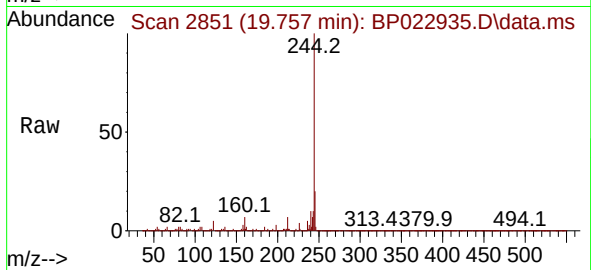
Tgt Ion:244 Resp: 2163746

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 5.3 4.4 6.6



#80

Butylbenzylphthalate

Concen: 2.874 ng

RT: 20.498 min Scan# 2977

Delta R.T. 0.012 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

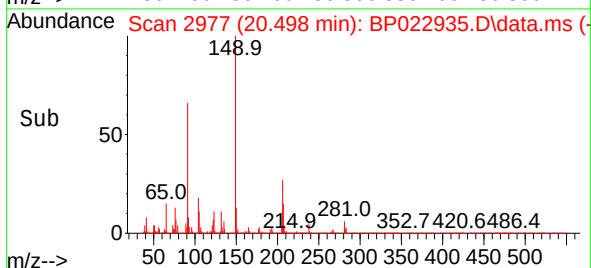
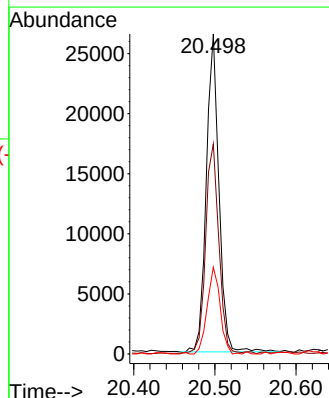
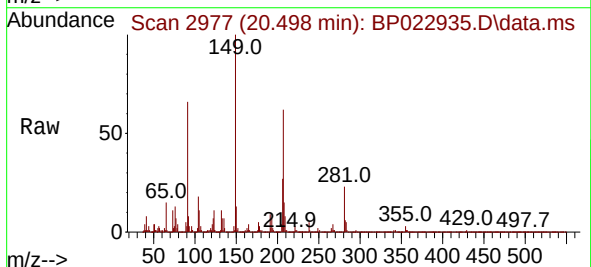
Tgt Ion:149 Resp: 28489

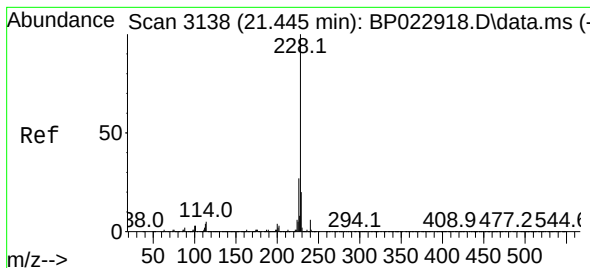
Ion Ratio Lower Upper

149 100

91 65.6 54.6 82.0

206 27.1 21.3 31.9





#81

Benzo(a)anthracene

Concen: 3.579 ng

RT: 21.439 min Scan# 3137

Delta R.T. -0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

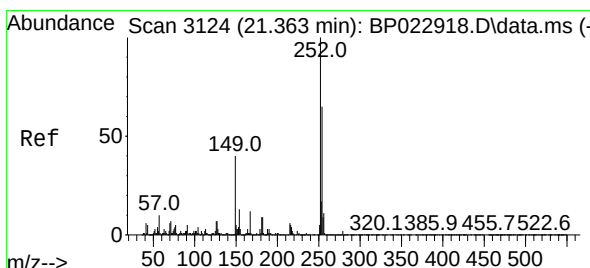
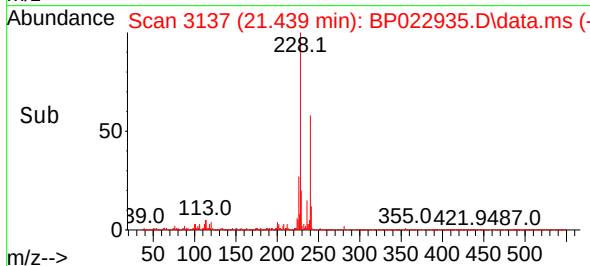
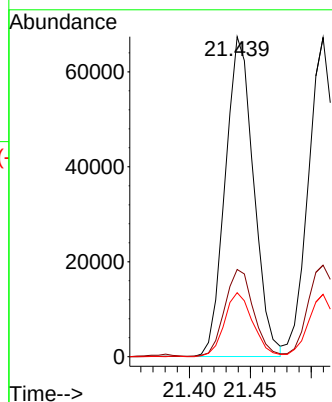
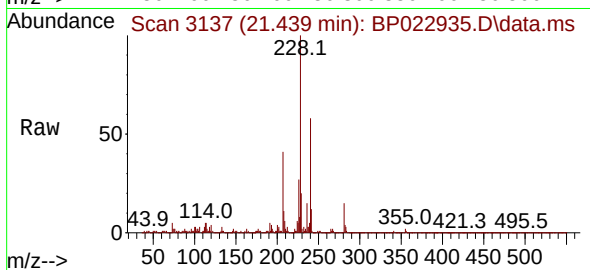
Tgt Ion:228 Resp: 109397

Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.6

229 20.0 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 3.221 ng

RT: 21.374 min Scan# 3126

Delta R.T. 0.012 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

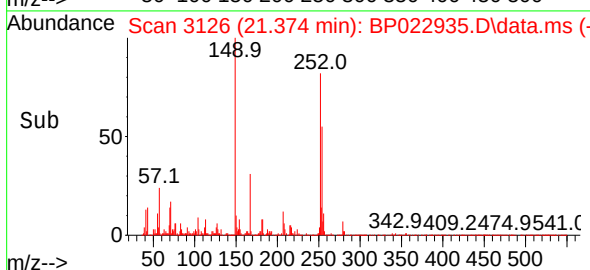
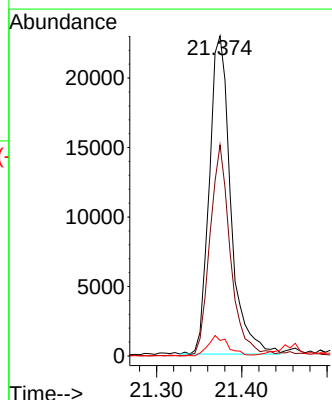
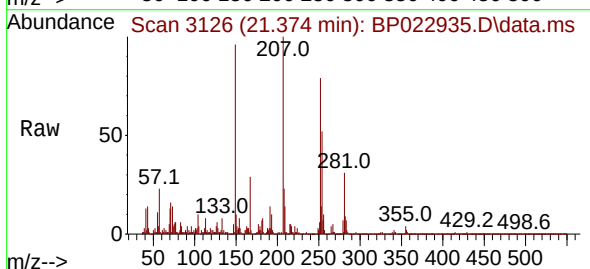
Tgt Ion:252 Resp: 39858

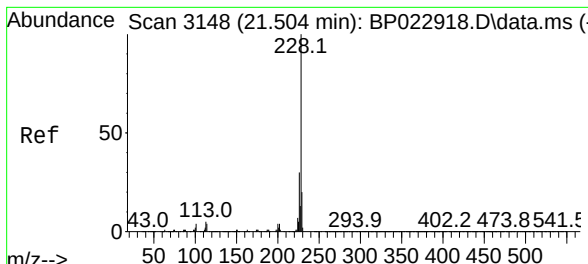
Ion Ratio Lower Upper

252 100

254 65.9 51.7 77.5

126 4.8 5.4 8.0#





#83

Chrysene

Concen: 3.694 ng

RT: 21.510 min Scan# 3149

Delta R.T. 0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

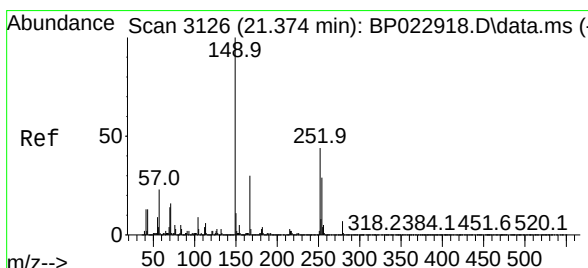
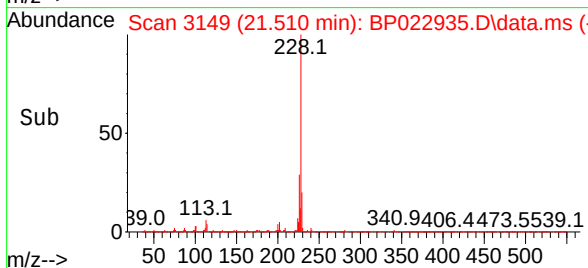
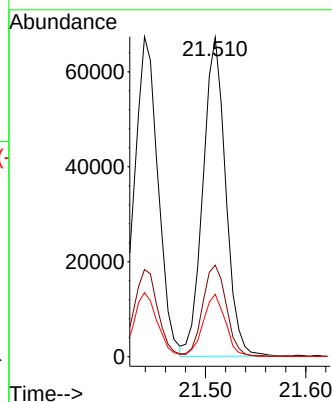
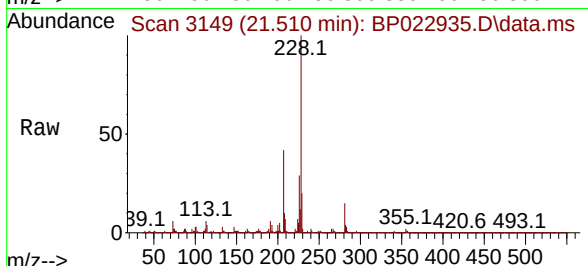
Tgt Ion:228 Resp: 105767

Ion Ratio Lower Upper

228 100

226 28.7 23.8 35.6

229 19.5 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.894 ng

RT: 21.374 min Scan# 3126

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

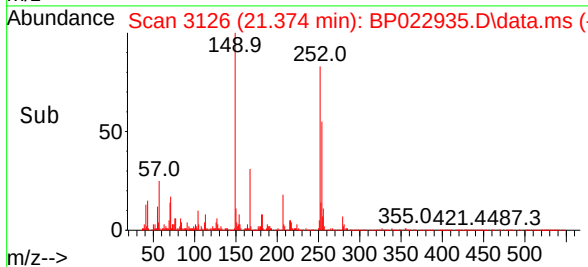
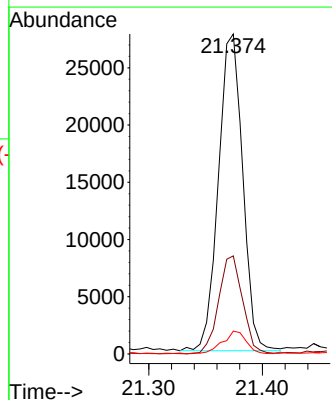
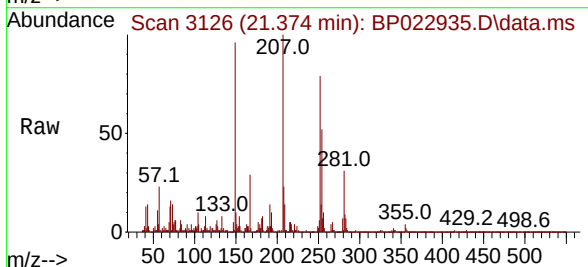
Tgt Ion:149 Resp: 41169

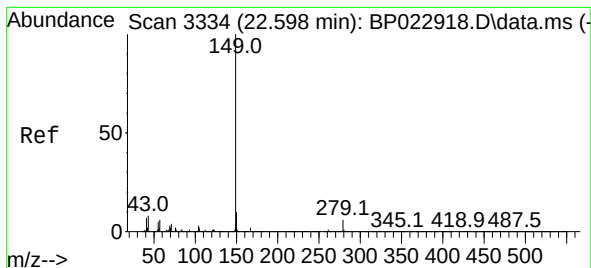
Ion Ratio Lower Upper

149 100

167 30.7 23.7 35.5

279 7.2 5.3 7.9





#85

Di-n-octyl phthalate

Concen: 2.956 ng

RT: 22.592 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

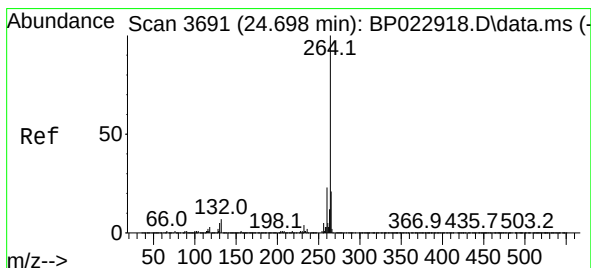
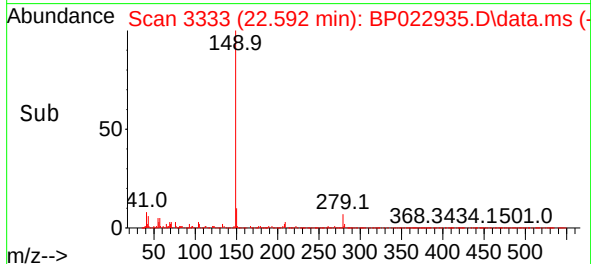
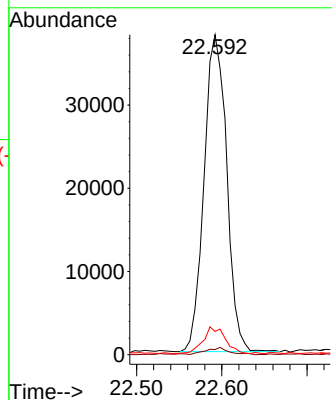
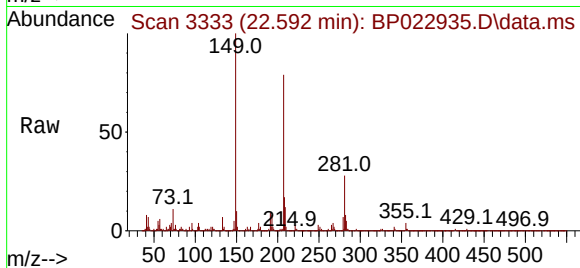
Tgt Ion:149 Resp: 70294

Ion Ratio Lower Upper

149 100

167 2.2 1.4 2.0#

43 8.2 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.692 min Scan# 3690

Delta R.T. -0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

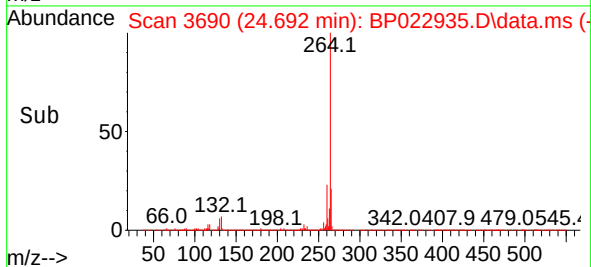
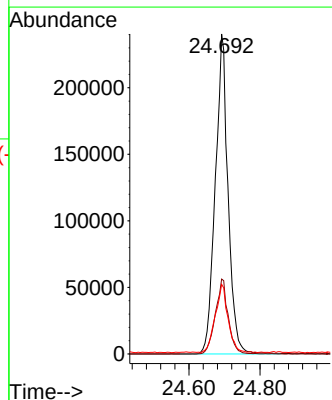
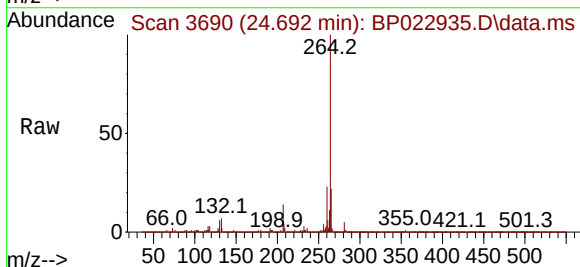
Tgt Ion:264 Resp: 597497

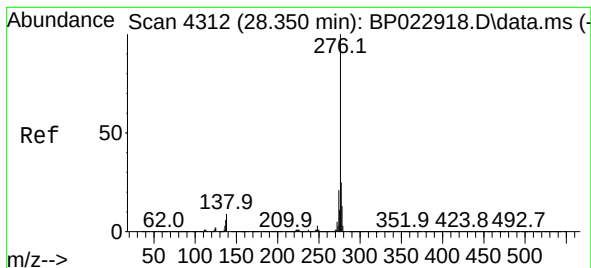
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.683 ng

RT: 28.362 min Scan# 41

Delta R.T. 0.012 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

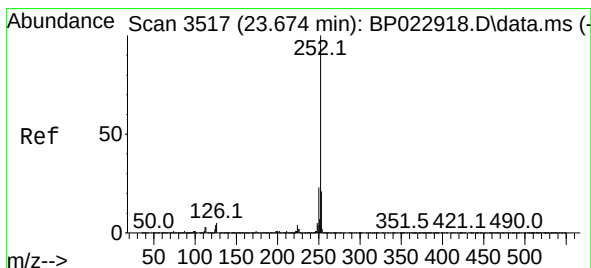
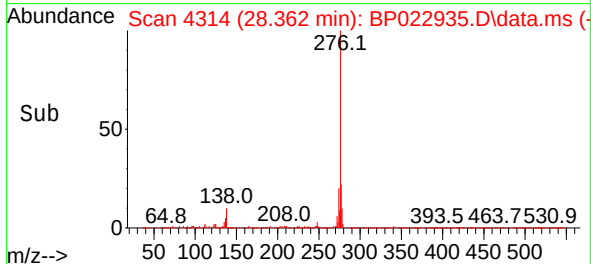
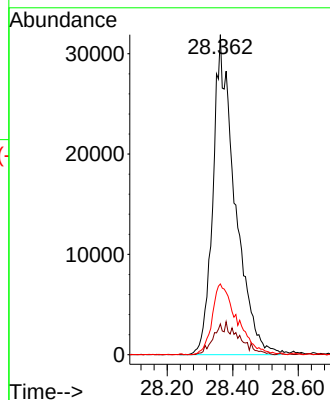
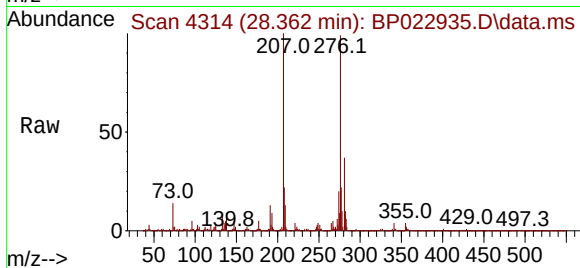
Tgt Ion:276 Resp: 148418

Ion Ratio Lower Upper

276 100

138 4.9 8.7 13.1#

277 25.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 3.444 ng

RT: 23.739 min Scan# 3528

Delta R.T. 0.065 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

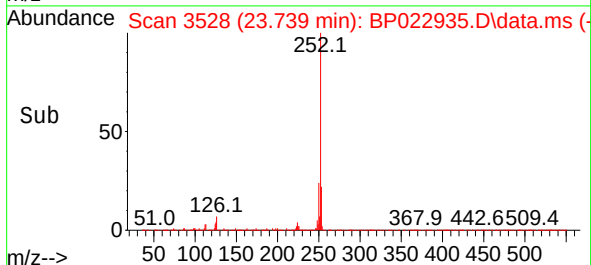
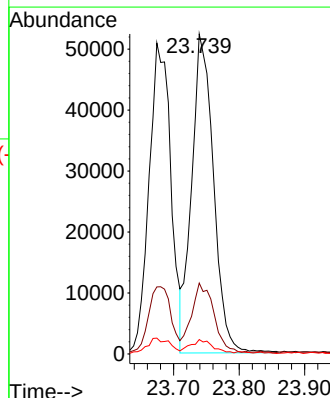
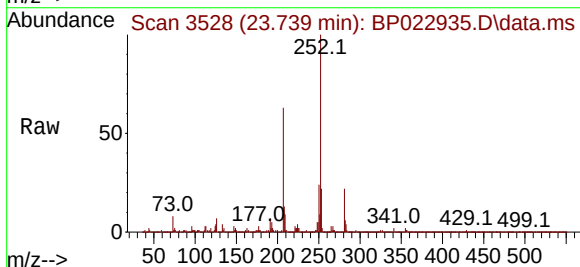
Tgt Ion:252 Resp: 120907

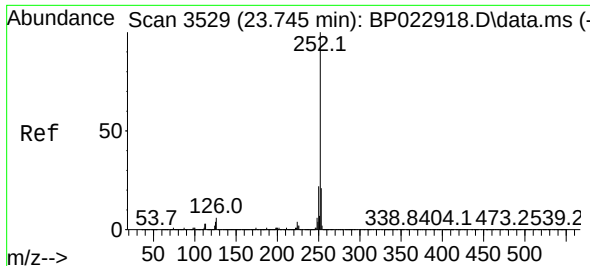
Ion Ratio Lower Upper

252 100

253 22.1 16.8 25.2

125 4.5 3.2 4.8

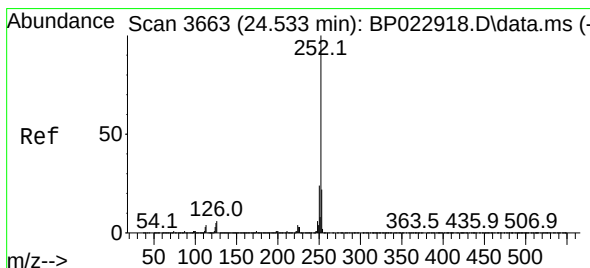
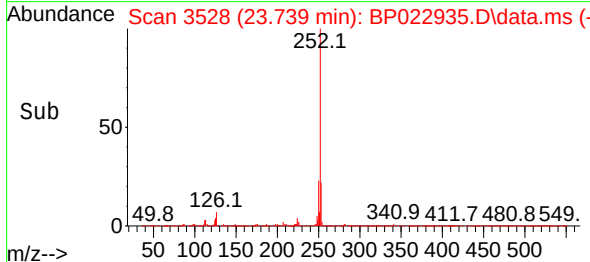
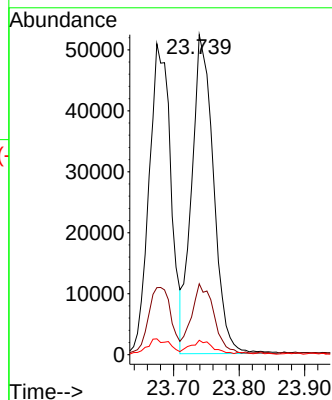
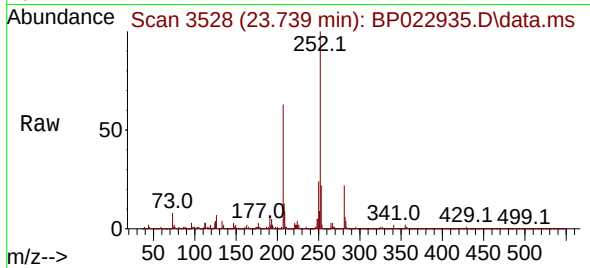




#89
Benzo(k)fluoranthene
Concen: 3.648 ng
RT: 23.739 min Scan# 3529
Delta R.T. -0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

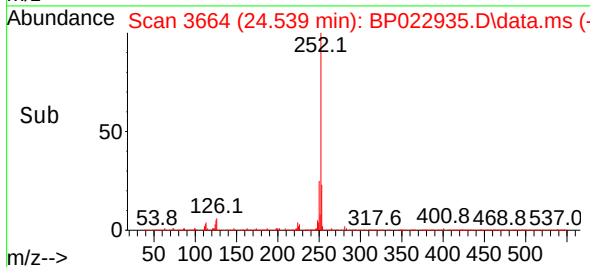
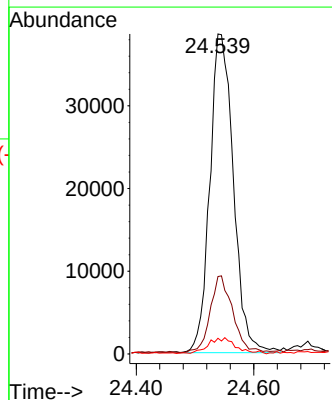
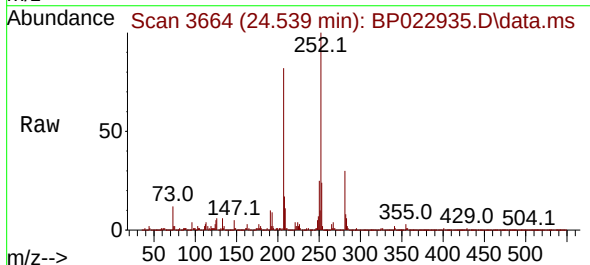
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

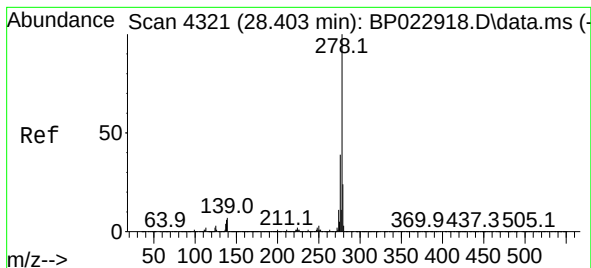
Tgt Ion:252 Resp: 120907
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 4.5 3.4 5.2



#90
Benzo(a)pyrene
Concen: 3.575 ng
RT: 24.539 min Scan# 3664
Delta R.T. 0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:252 Resp: 107369
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 4.9 4.0 6.0





#91

Dibenzo(a,h)anthracene

Concen: 3.647 ng

RT: 28.421 min Scan# 41

Delta R.T. 0.018 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

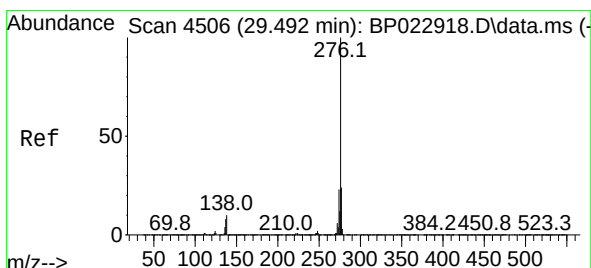
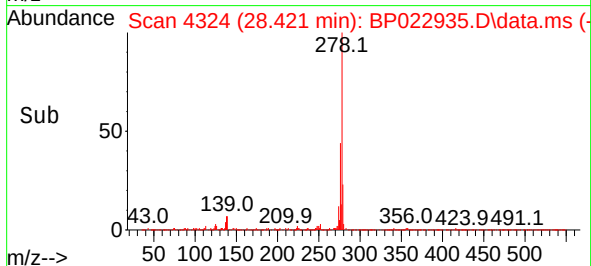
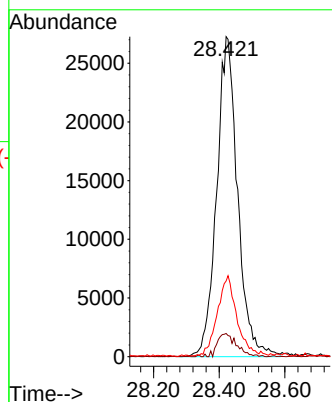
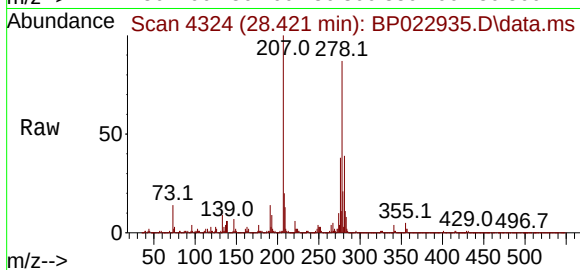
Tgt Ion:278 Resp: 120541

Ion Ratio Lower Upper

278 100

139 7.3 5.4 8.2

279 23.6 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 3.350 ng

RT: 29.515 min Scan# 4510

Delta R.T. 0.024 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Tgt Ion:276 Resp: 113451

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 8.2 7.6 11.4

