

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110824\
 Data File : BP022936.D
 Acq On : 08 Nov 2024 16:10
 Operator : RC/JU
 Sample : P4368-01
 Misc : LOD-MDL-SOIL-8 PPM
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Nov 08 17:10:32 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	7.599	152	49264	20.000	ng	0.00
21) Naphthalene-d8	10.346	136	190044	20.000	ng	0.00
39) Acenaphthene-d10	14.210	164	159992	20.000	ng	0.00
64) Phenanthrene-d10	17.022	188	417330	20.000	ng	0.00
76) Chrysene-d12	21.457	240	515124	20.000	ng	0.00
86) Perylene-d12	24.698	264	630683	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.228	112	306667	118.136	ng	0.00
7) Phenol-d6	6.793	99	437712	120.910	ng	0.00
23) Nitrobenzene-d5	8.740	82	358742	89.181	ng	0.00
42) 2,4,6-Tribromophenol	15.751	330	428072	138.037	ng	0.00
45) 2-Fluorobiphenyl	12.816	172	978245	87.365	ng	0.00
79) Terphenyl-d14	19.757	244	2440770	88.985	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.175	88	8971	8.656	ng	99
3) Pyridine	3.593	79	20293	7.131	ng	# 88
4) n-Nitrosodimethylamine	3.493	42	12283	8.954	ng	# 77
6) Aniline	6.940	93	31787	10.533	ng	97
8) 2-Chlorophenol	7.169	128	21803	8.013	ng	90
9) Benzaldehyde	6.769	77	22419	10.715	ng	98
10) Phenol	6.822	94	30006	8.369	ng	91
11) bis(2-Chloroethyl)ether	7.040	93	23249	8.583	ng	97
12) 1,3-Dichlorobenzene	7.487	146	27148	7.818	ng	98
13) 1,4-Dichlorobenzene	7.634	146	26805	7.559	ng	99
14) 1,2-Dichlorobenzene	7.940	146	26471	7.721	ng	98
15) Benzyl Alcohol	7.846	79	20610	7.516	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.105	45	26742	9.100	ng	97
17) 2-Methylphenol	8.052	107	19703	8.096	ng	96
18) Hexachloroethane	8.652	117	10329	7.874	ng	89
19) n-Nitroso-di-n-propyla...	8.393	70	22204	8.961	ng	93
20) 3+4-Methylphenols	8.381	107	26573	7.813	ng	96
22) Acetophenone	8.411	105	43756	8.650	ng	# 93
24) Nitrobenzene	8.781	77	32897	8.051	ng	95
25) Isophorone	9.299	82	56953	8.365	ng	97
26) 2-Nitrophenol	9.493	139	12037	7.174	ng	88
27) 2,4-Dimethylphenol	9.552	122	15985	8.343	ng	98
28) bis(2-Chloroethoxy)met...	9.775	93	31885	8.245	ng	99
29) 2,4-Dichlorophenol	10.028	162	25485	7.684	ng	92
30) 1,2,4-Trichlorobenzene	10.216	180	32582	7.685	ng	99
31) Naphthalene	10.399	128	76104	7.992	ng	99
32) Benzoic acid	9.663	122	11864	5.157	ng	90
33) 4-Chloroaniline	10.528	127	29836	8.803	ng	# 92
34) Hexachlorobutadiene	10.669	225	23559	7.576	ng	96
35) Caprolactam	11.322	113	7345	7.398	ng	90
36) 4-Chloro-3-methylphenol	11.663	107	27427	7.417	ng	99
37) 2-Methylnaphthalene	12.010	142	57742	8.097	ng	96
38) 1-Methylnaphthalene	12.010	142	57742	8.157	ng	90
40) 1,2,4,5-Tetrachloroben...	12.387	216	44150	8.151	ng	99
41) Hexachlorocyclopentadiene	12.357	237	11262	7.404	ng	99
43) 2,4,6-Trichlorophenol	12.646	196	26370	7.655	ng	98

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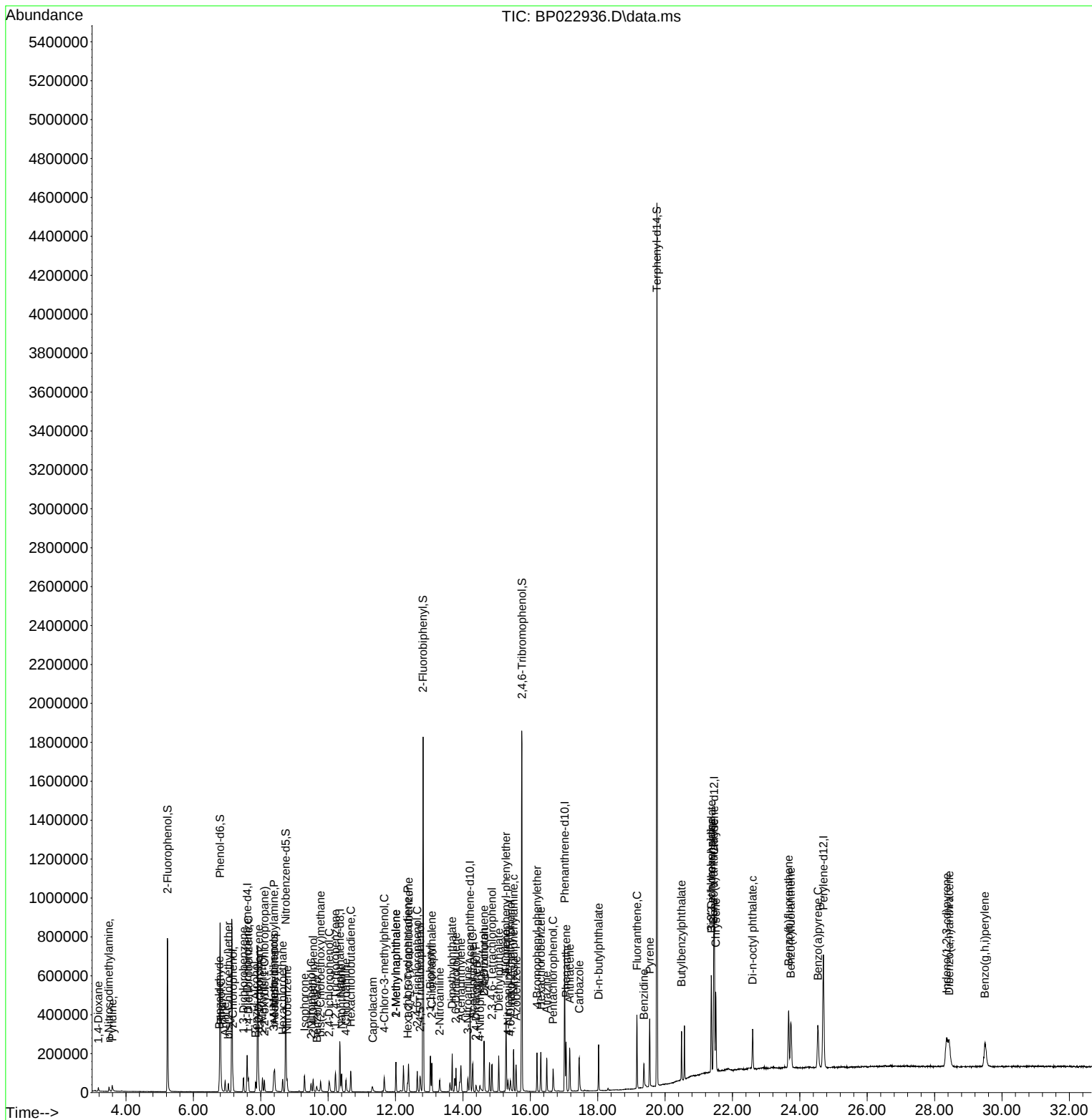
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.728	196	28015	7.144	ng	99
46) 1,1'-Biphenyl	13.034	154	90140	8.475	ng	96
47) 2-Chloronaphthalene	13.075	162	68976	7.815	ng	93
48) 2-Nitroaniline	13.310	65	18697	7.271	ng	99
49) Acenaphthylene	13.940	152	108653	8.815	ng	100
50) Dimethylphthalate	13.681	163	97423	8.317	ng	98
51) 2,6-Dinitrotoluene	13.793	165	20173	7.574	ng	# 85
52) Acenaphthene	14.293	154	63115	7.963	ng	97
53) 3-Nitroaniline	14.146	138	16503	7.626	ng	94
54) 2,4-Dinitrophenol	14.387	184	10536	6.375	ng	93
55) Dibenzofuran	14.628	168	117734	8.458	ng	98
56) 4-Nitrophenol	14.504	139	10284	5.778	ng	92
57) 2,4-Dinitrotoluene	14.628	165	28912	7.509	ng	# 81
58) Fluorene	15.281	166	95109	8.224	ng	97
59) 2,3,4,6-Tetrachlorophenol	14.863	232	30451	8.051	ng	98
60) Diethylphthalate	15.063	149	95181	8.170	ng	99
61) 4-Chlorophenyl-phenyle...	15.281	204	55394	8.127	ng	97
62) 4-Nitroaniline	15.334	138	14204	6.396	ng	# 79
63) Azobenzene	15.581	77	86255	8.610	ng	99
65) 4,6-Dinitro-2-methylph...	15.410	198	17492	6.889	ng	95
66) n-Nitrosodiphenylamine	15.504	169	83659	8.108	ng	99
67) 4-Bromophenyl-phenylether	16.198	248	40624	8.116	ng	94
68) Hexachlorobenzene	16.316	284	50348	7.853	ng	98
69) Atrazine	16.487	200	35408	10.181	ng	97
70) Pentachlorophenol	16.675	266	27779	6.785	ng	91
71) Phenanthrene	17.063	178	167382	8.288	ng	99
72) Anthracene	17.169	178	168329	8.684	ng	99
73) Carbazole	17.451	167	145518	7.861	ng	98
74) Di-n-butylphthalate	18.028	149	158002	7.658	ng	99
75) Fluoranthene	19.163	202	221614	7.910	ng	100
77) Benzidine	19.375	184	98710	9.698	ng	99
78) Pyrene	19.545	202	237179	7.779	ng	99
80) Butylbenzylphthalate	20.486	149	76133	7.323	ng	96
81) Benzo(a)anthracene	21.439	228	269720	8.414	ng	98
82) 3,3'-Dichlorobenzidine	21.369	252	99795	7.691	ng	97
83) Chrysene	21.504	228	254924	8.490	ng	98
84) Bis(2-ethylhexyl)phtha...	21.375	149	110124	7.381	ng	99
85) Di-n-octyl phthalate	22.598	149	187688	7.528	ng	100
87) Indeno(1,2,3-cd)pyrene	28.357	276	358772	8.434	ng	# 95
88) Benzo(b)fluoranthene	23.669	252	300109	8.099	ng	# 99
89) Benzo(k)fluoranthene	23.733	252	285601	8.163	ng	96
90) Benzo(a)pyrene	24.533	252	269175	8.490	ng	99
91) Dibenzo(a,h)anthracene	28.433	278	292253	8.378	ng	99
92) Benzo(g,h,i)perylene	29.492	276	273009	7.638	ng	100

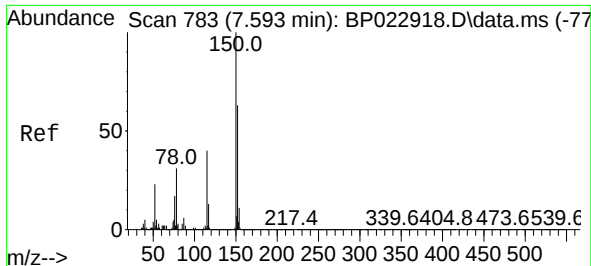
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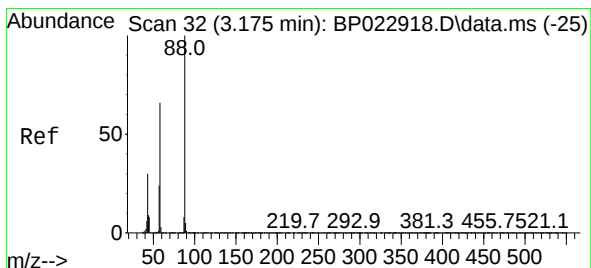
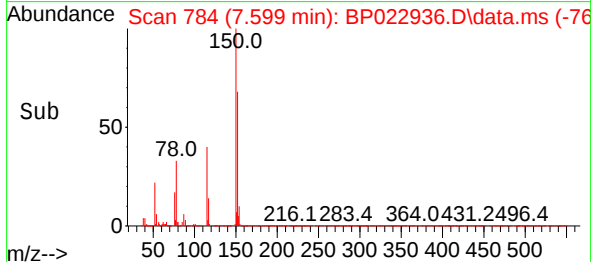
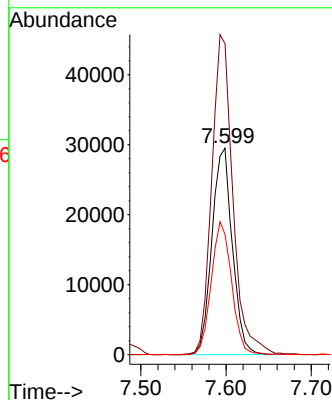
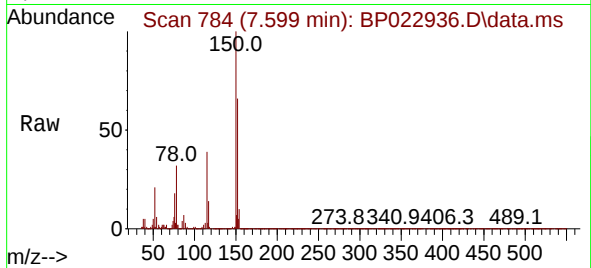




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.599 min Scan# 71
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

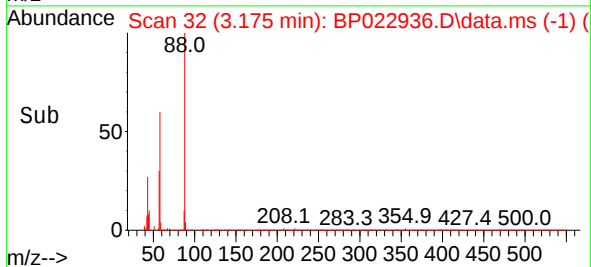
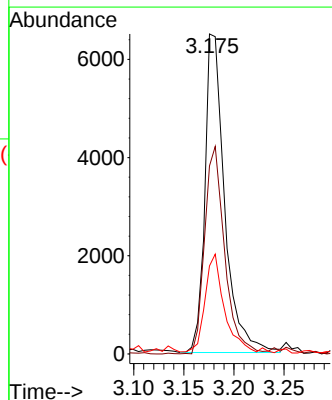
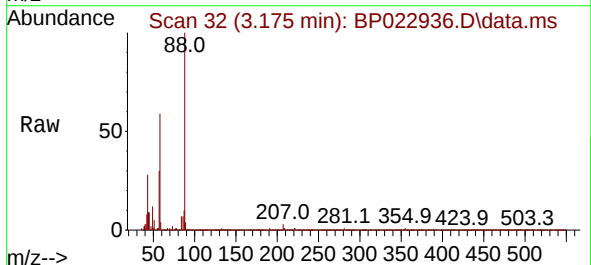
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

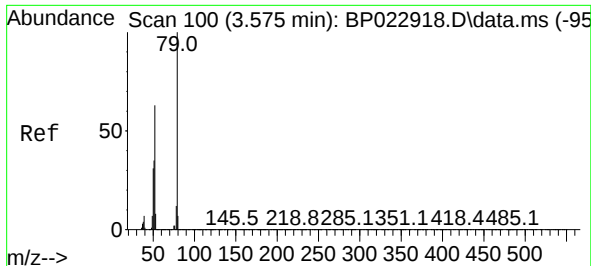
Tgt Ion:152 Resp: 49264
Ion Ratio Lower Upper
152 100
150 150.6 127.0 190.4
115 58.3 50.5 75.7



#2
1,4-Dioxane
Concen: 8.656 ng
RT: 3.175 min Scan# 32
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 88 Resp: 8971
Ion Ratio Lower Upper
88 100
58 65.5 52.8 79.2
43 29.6 23.4 35.0

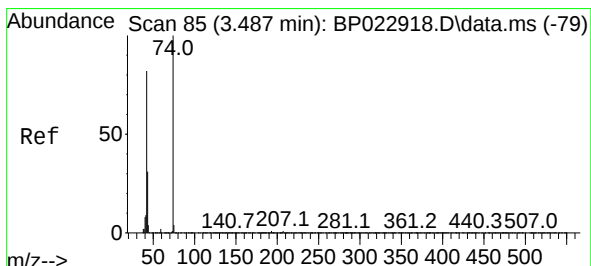
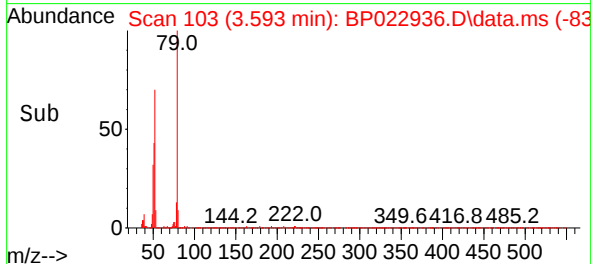
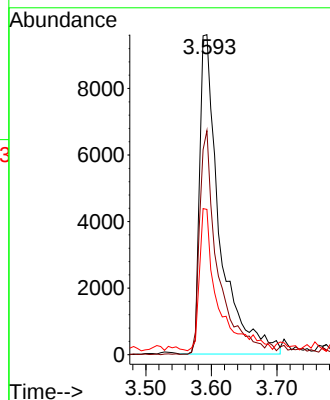
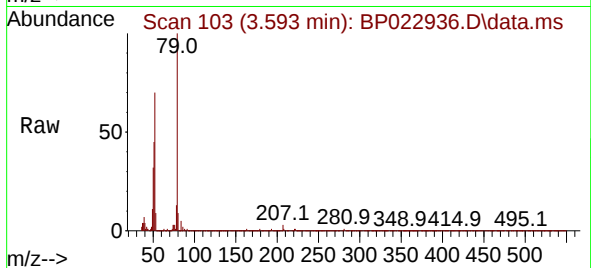




#3
Pyridine
Concen: 7.131 ng
RT: 3.593 min Scan# 103
Delta R.T. 0.018 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

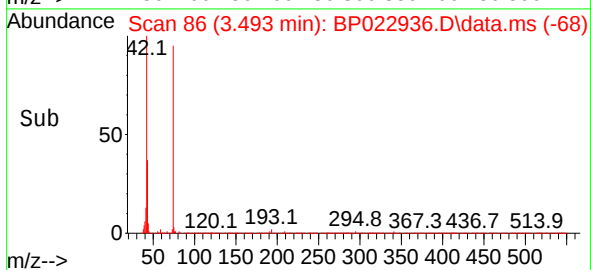
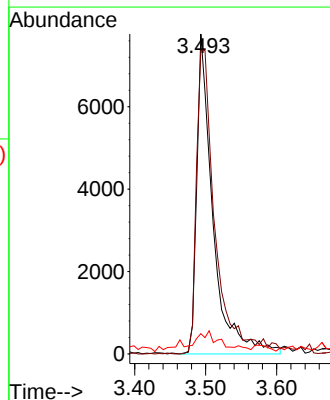
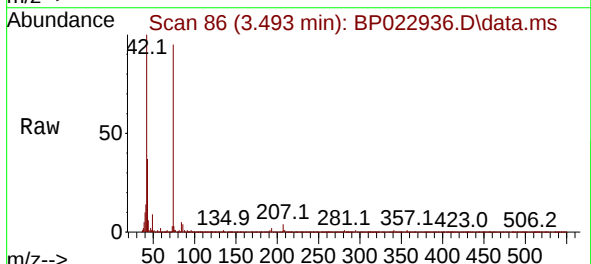
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

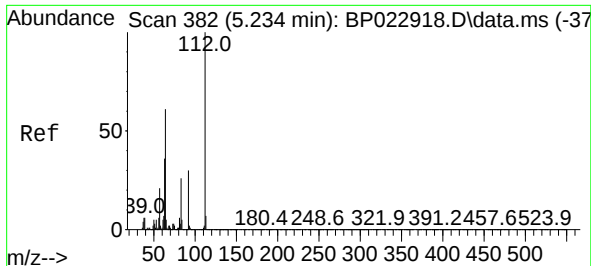
Tgt Ion: 79 Resp: 20293
Ion Ratio Lower Upper
79 100
52 70.0 50.4 75.6
51 45.4 28.6 43.0#



#4
n-Nitrosodimethylamine
Concen: 8.954 ng
RT: 3.493 min Scan# 86
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 42 Resp: 12283
Ion Ratio Lower Upper
42 100
74 94.9 97.7 146.5#
44 6.3 4.5 6.7

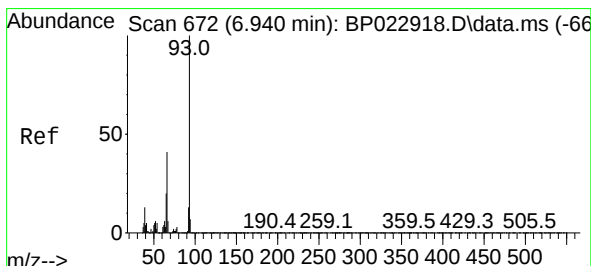
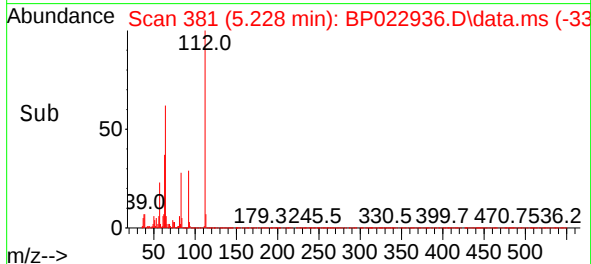
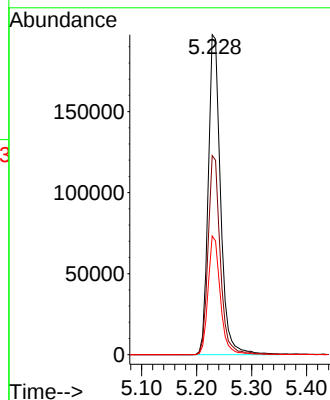
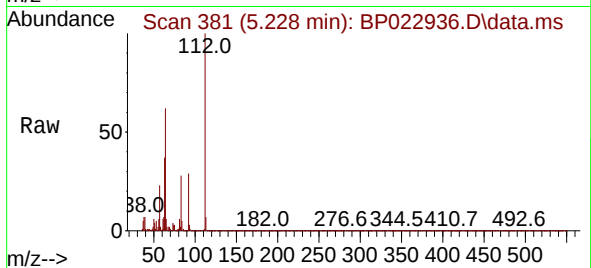




#5
2-Fluorophenol
Concen: 118.136 ng
RT: 5.228 min Scan# 381
Delta R.T. -0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

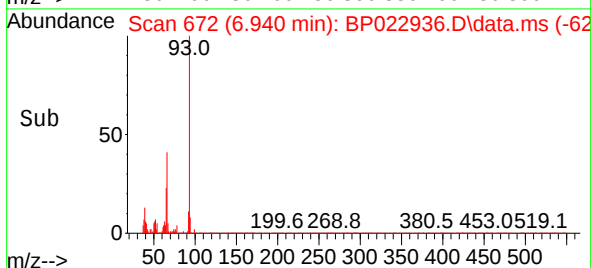
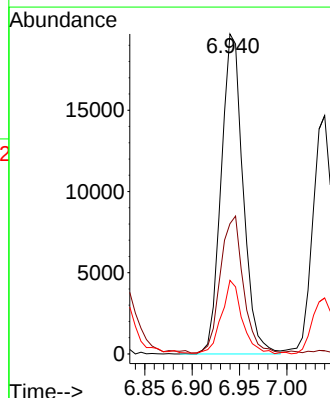
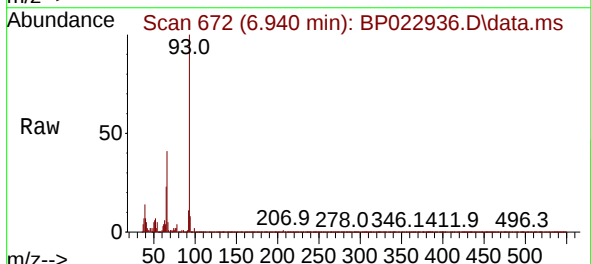
Instrument :
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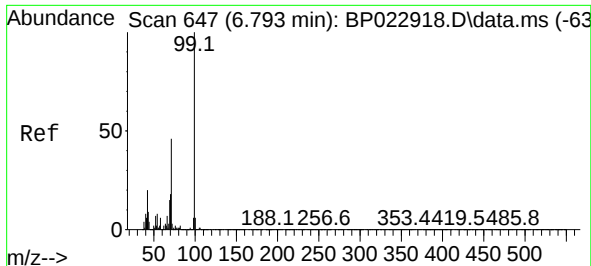
Tgt Ion:112 Resp: 306667
Ion Ratio Lower Upper
112 100
64 62.2 48.7 73.1
63 37.1 29.0 43.4



#6
Aniline
Concen: 10.533 ng
RT: 6.940 min Scan# 672
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 93 Resp: 31787
Ion Ratio Lower Upper
93 100
66 40.7 32.9 49.3
65 23.0 16.0 24.0

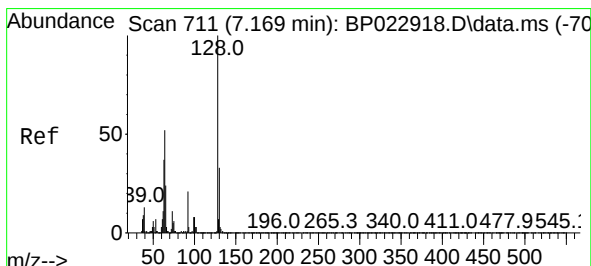
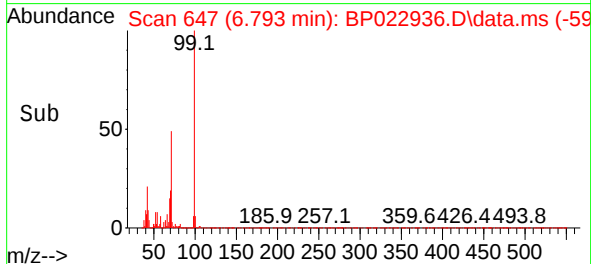
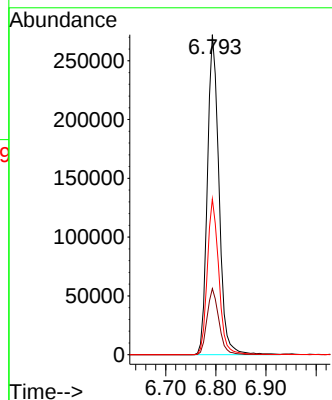
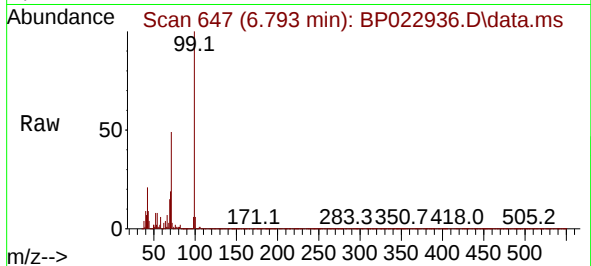




#7
Phenol-d6
Concen: 120.910 ng
RT: 6.793 min Scan# 647
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

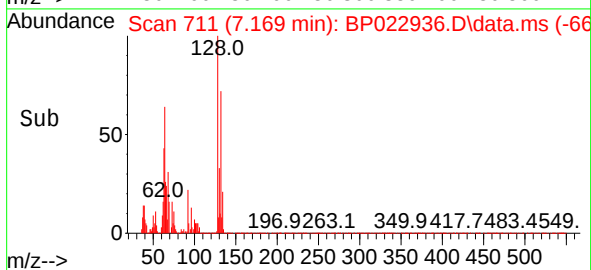
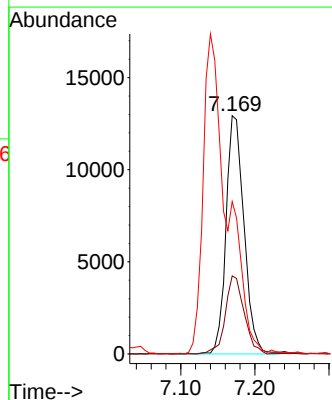
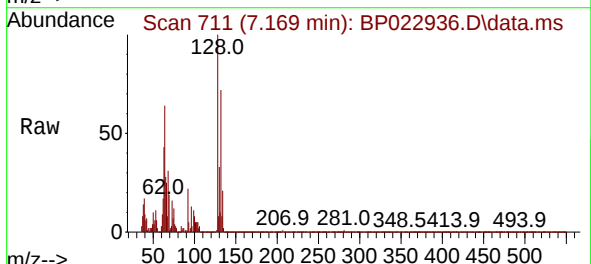
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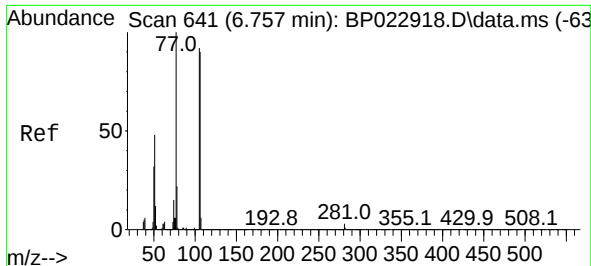
Tgt Ion: 99 Resp: 437712
Ion Ratio Lower Upper
99 100
42 20.7 15.8 23.6
71 48.7 36.6 55.0



#8
2-Chlorophenol
Concen: 8.013 ng
RT: 7.169 min Scan# 711
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 128 Resp: 21803
Ion Ratio Lower Upper
128 100
130 32.8 12.6 52.6
64 64.0 32.7 72.7





#9

Benzaldehyde

Concen: 10.715 ng

RT: 6.769 min Scan# 641

Delta R.T. 0.012 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

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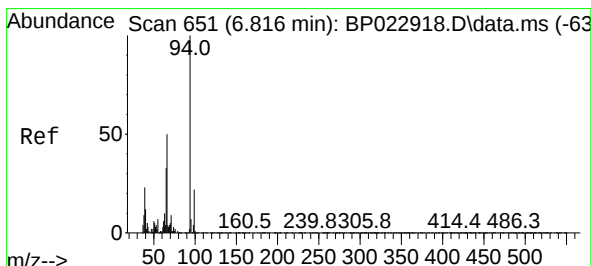
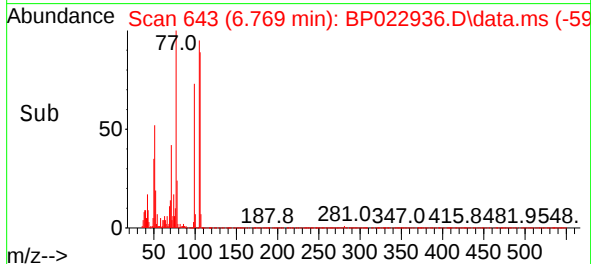
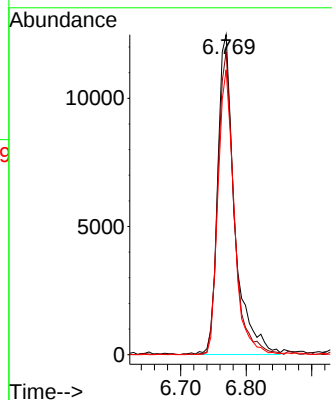
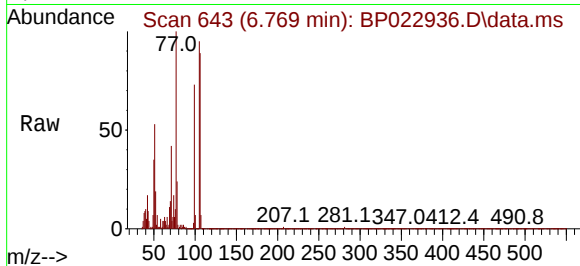
Tgt Ion: 77 Resp: 22419

Ion Ratio Lower Upper

77 100

105 94.7 71.4 111.4

106 89.1 69.9 109.9



#10

Phenol

Concen: 8.369 ng

RT: 6.822 min Scan# 652

Delta R.T. 0.006 min

Lab File: BP022936.D

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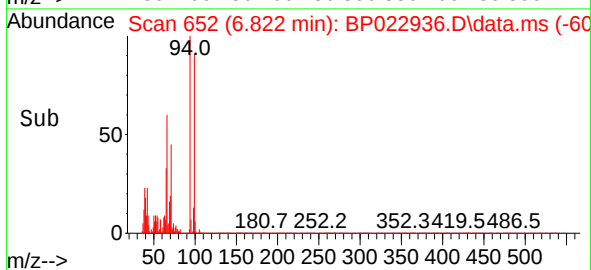
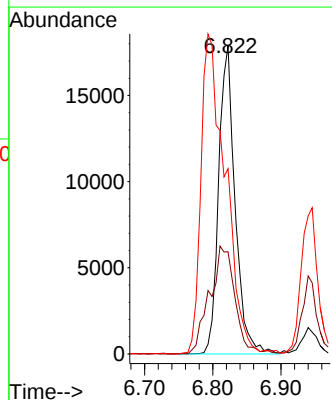
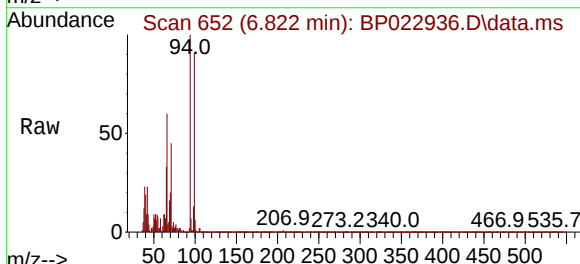
Tgt Ion: 94 Resp: 30006

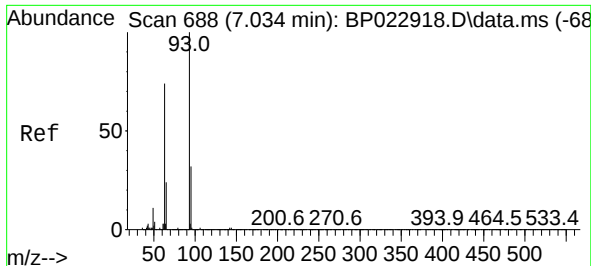
Ion Ratio Lower Upper

94 100

65 33.1 12.9 52.9

66 60.0 30.0 70.0

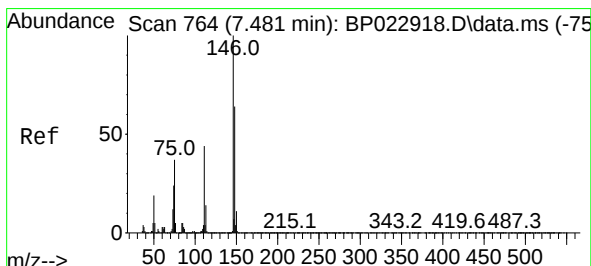
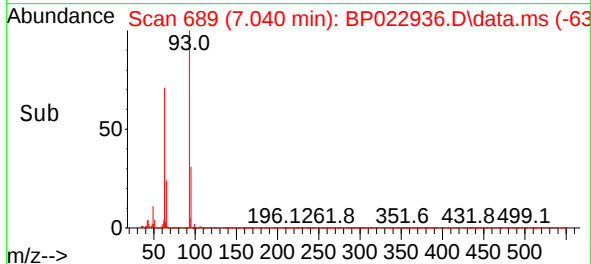
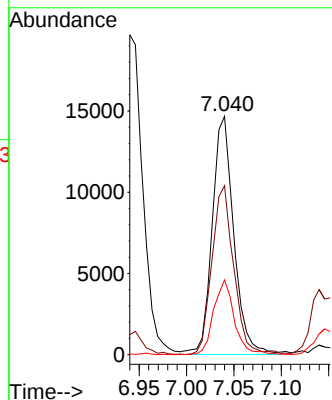
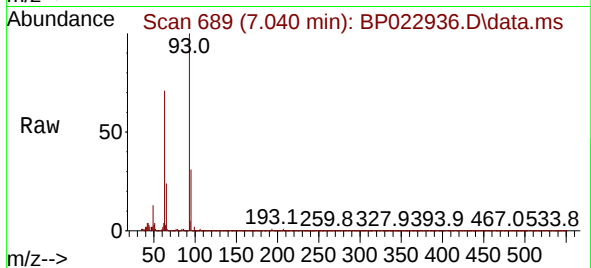




#11
bis(2-Chloroethyl)ether
Concen: 8.583 ng
RT: 7.040 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

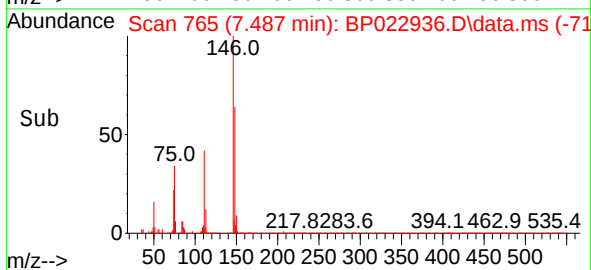
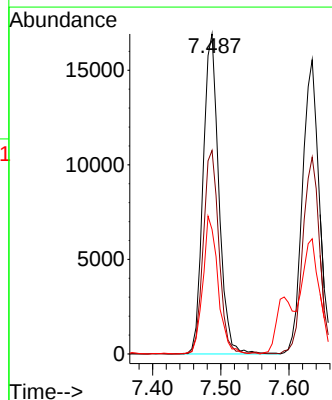
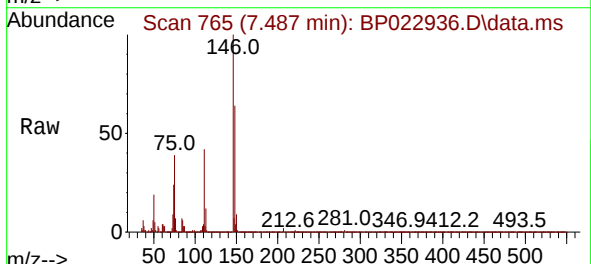
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

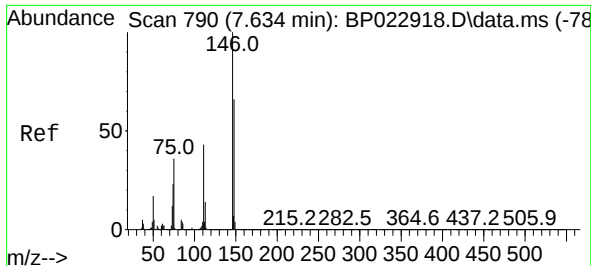
Tgt Ion: 93	Resp: 23249
Ion Ratio	Lower Upper
93 100	
63 70.8	53.6 93.6
95 31.3	12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 7.818 ng
RT: 7.487 min Scan# 765
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:146	Resp:	27148	
Ion Ratio	Lower	Upper	
146	100		
148	63.6	51.4	77.0
75	38.9	29.3	43.9

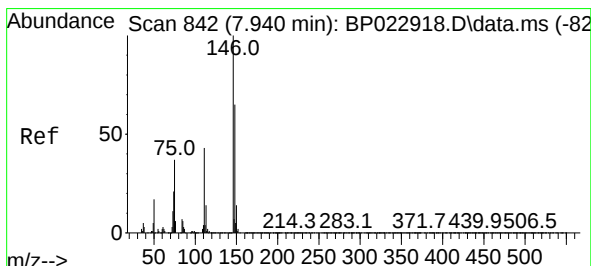
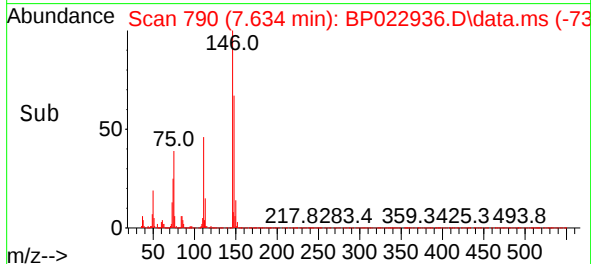
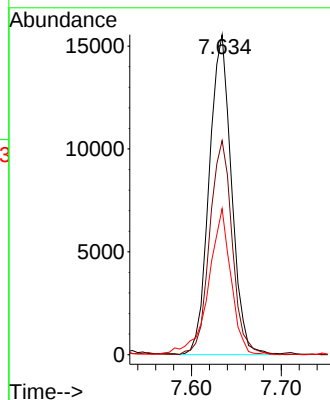
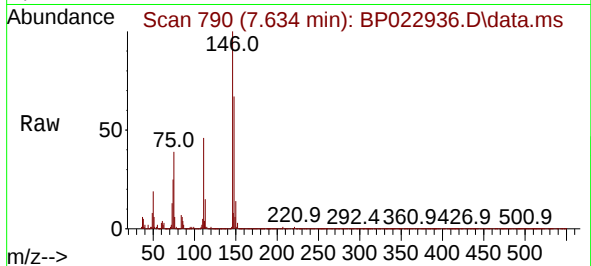




#13
1,4-Dichlorobenzene
Concen: 7.559 ng
RT: 7.634 min Scan# 790
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

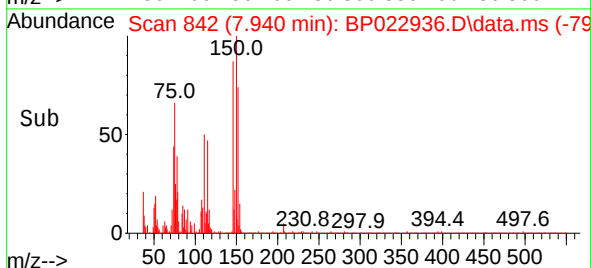
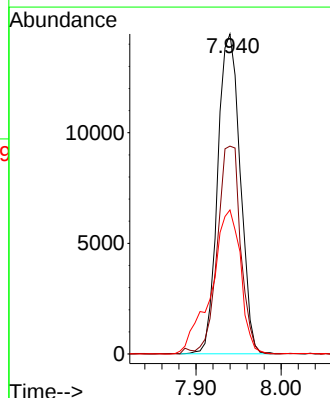
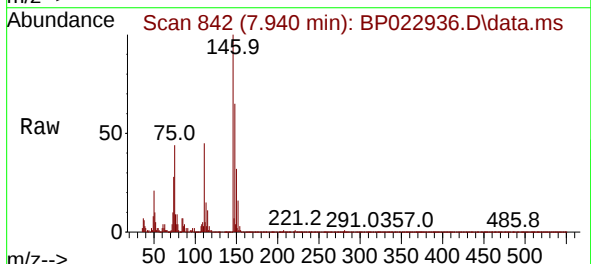
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

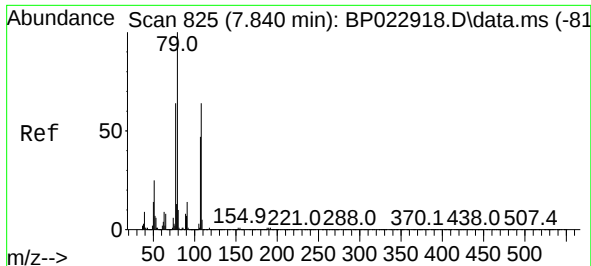
Tgt Ion:146 Resp: 26805
Ion Ratio Lower Upper
146 100
148 66.9 53.2 79.8
111 45.7 35.0 52.4



#14
1,2-Dichlorobenzene
Concen: 7.721 ng
RT: 7.940 min Scan# 842
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:146 Resp: 26471
Ion Ratio Lower Upper
146 100
148 64.9 52.4 78.6
111 45.0 34.2 51.4

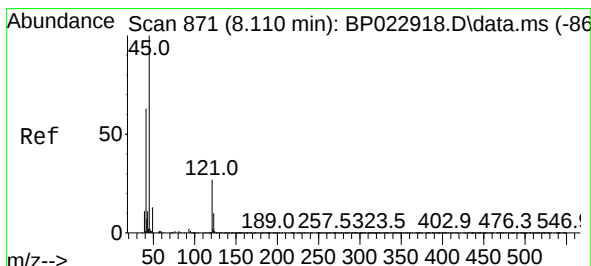
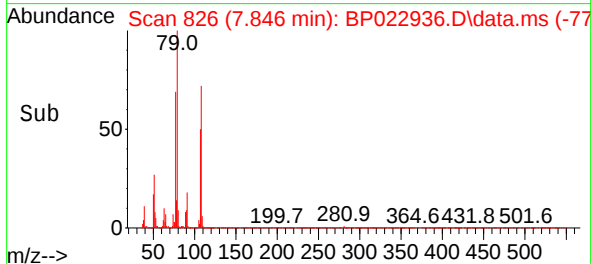
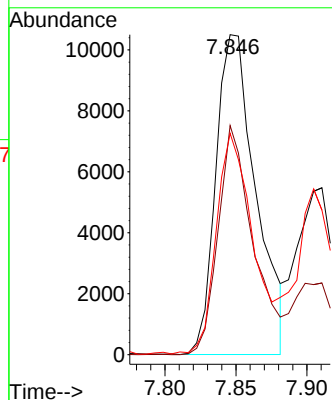
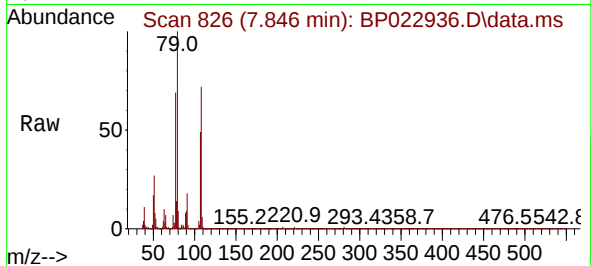




#15
Benzyl Alcohol
Concen: 7.516 ng
RT: 7.846 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

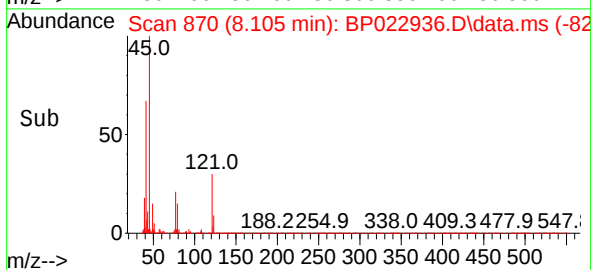
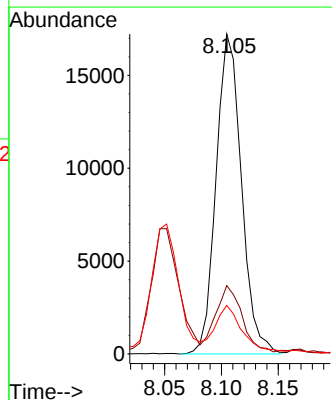
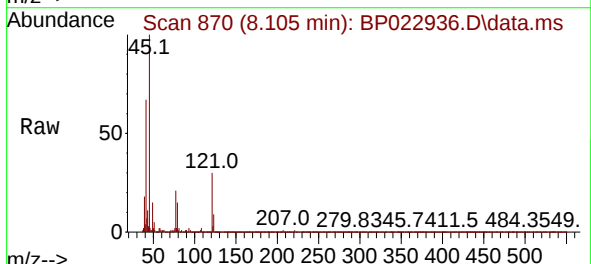
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

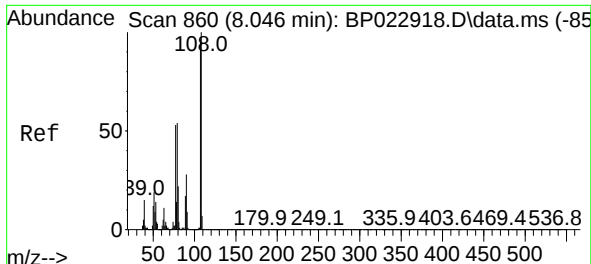
Tgt Ion: 79 Resp: 20610
Ion Ratio Lower Upper
79 100
108 71.6 51.2 76.8
77 69.2 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.100 ng
RT: 8.105 min Scan# 870
Delta R.T. -0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 45 Resp: 26742
Ion Ratio Lower Upper
45 100
77 21.3 0.0 39.5
79 15.2 0.0 34.9

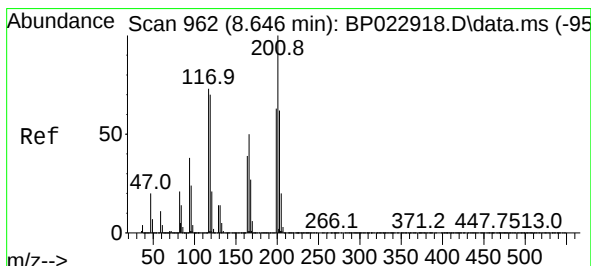
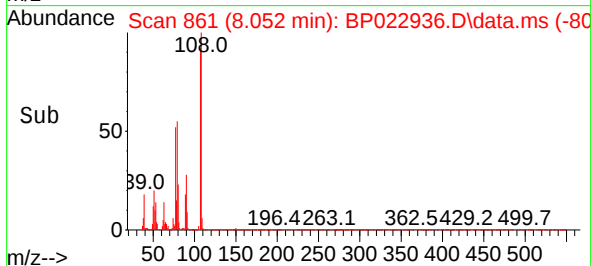
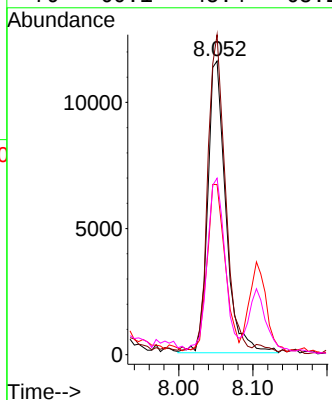
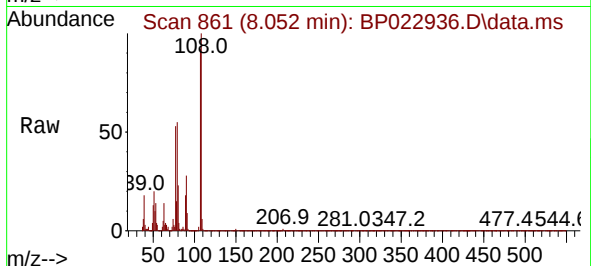




#17
2-Methylphenol
Concen: 8.096 ng
RT: 8.052 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

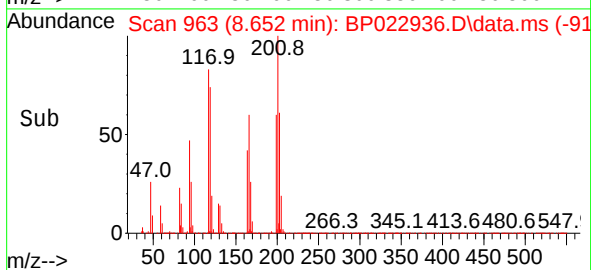
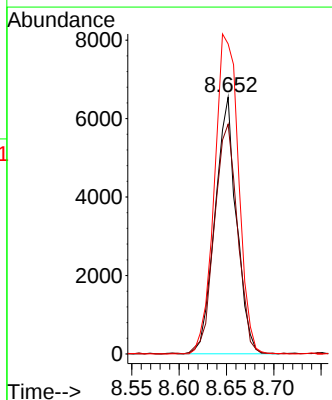
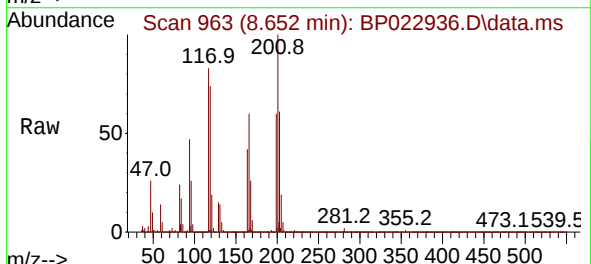
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

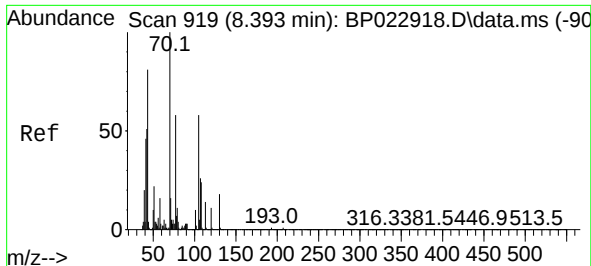
Tgt Ion:	107	Resp:	19703
Ion	Ratio	Lower	Upper
107	100		
108	108.9	83.7	125.5
77	57.9	45.0	67.4
79	60.1	45.4	68.2



#18
Hexachloroethane
Concen: 7.874 ng
RT: 8.652 min Scan# 963
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:	117	Resp:	10329
Ion	Ratio	Lower	Upper
117	100		
119	89.5	76.7	115.1
201	120.7	110.0	165.0

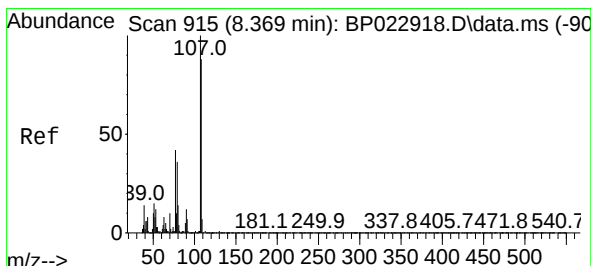
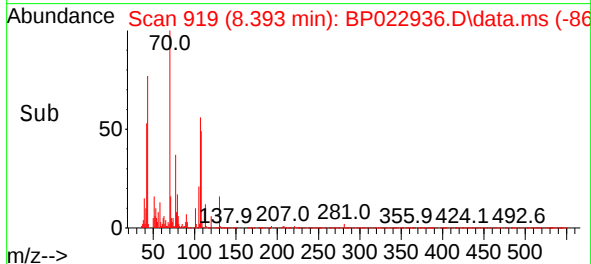
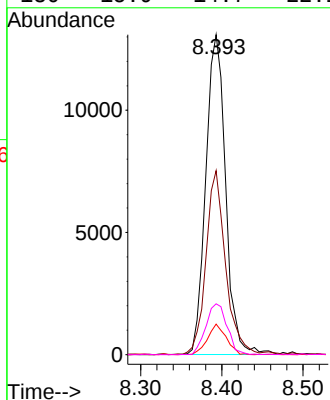
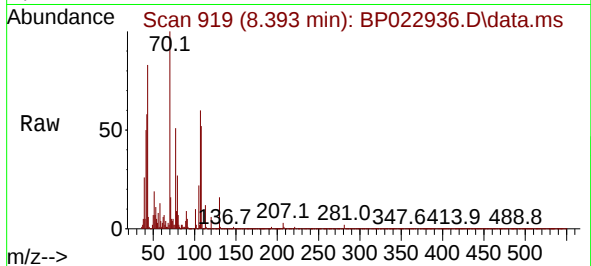




#19
n-Nitroso-di-n-propylamine
Concen: 8.961 ng
RT: 8.393 min Scan# 919
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

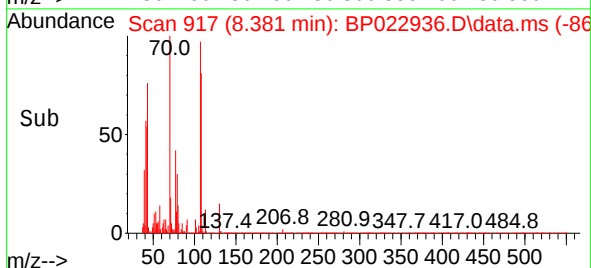
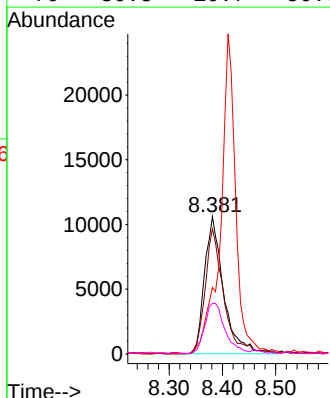
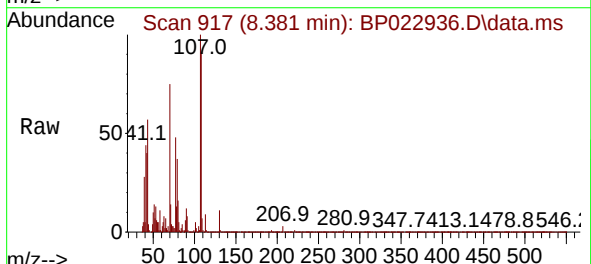
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

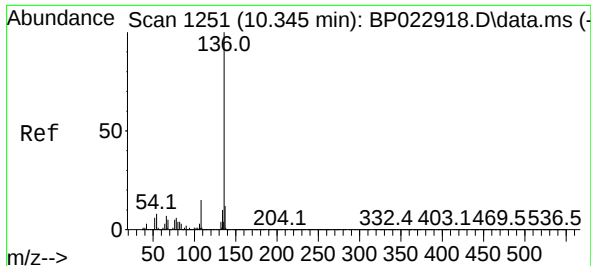
Tgt Ion:	70	Resp:	22204
Ion	Ratio	Lower	Upper
70	100		
42	57.5	41.0	61.6
101	9.6	7.8	11.6
130	15.9	14.7	22.1



#20
3+4-Methylphenols
Concen: 7.813 ng
RT: 8.381 min Scan# 917
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:	107	Resp:	26573
Ion	Ratio	Lower	Upper
107	100		
108	91.0	67.6	107.6
77	48.4	22.6	62.6
79	36.8	16.7	56.7

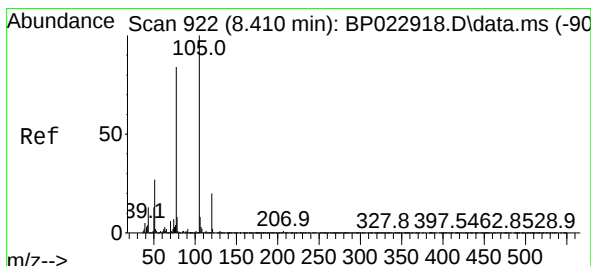
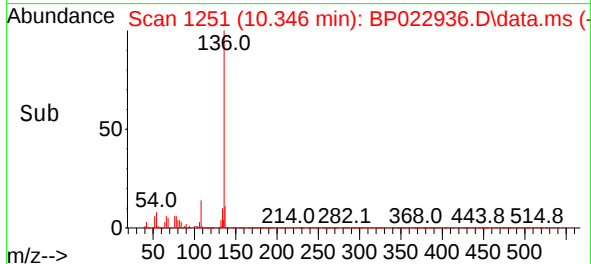
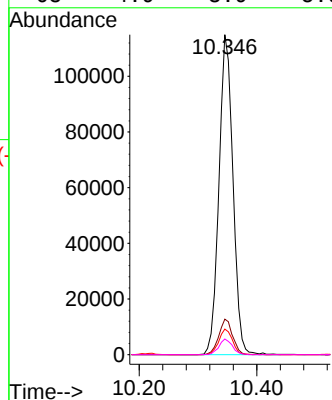
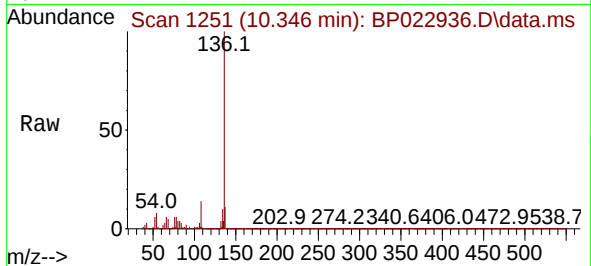




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.346 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

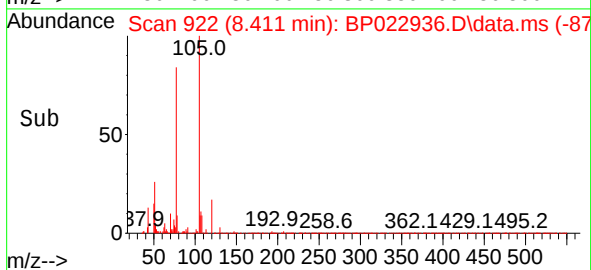
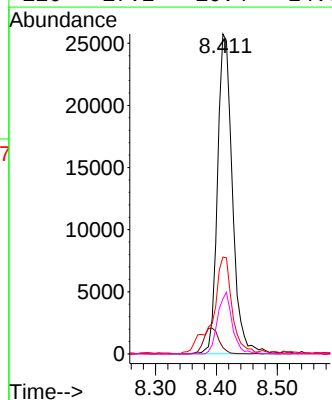
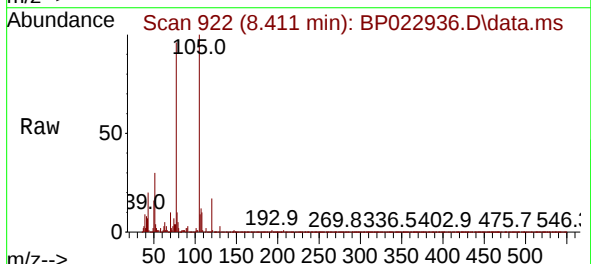
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

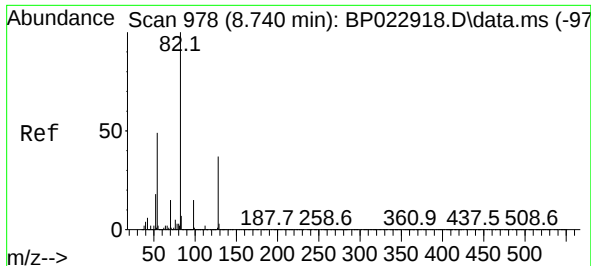
Tgt Ion:	136	Resp:	190044
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.4	14.0
54	8.0	6.4	9.6
68	4.9	3.9	5.9



#22
Acetophenone
Concen: 8.650 ng
RT: 8.411 min Scan# 922
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:	105	Resp:	43756
Ion Ratio	Lower	Upper	
105	100		
71	2.0	0.7	1.1
51	30.3	21.7	32.5
120	17.2	16.4	24.6

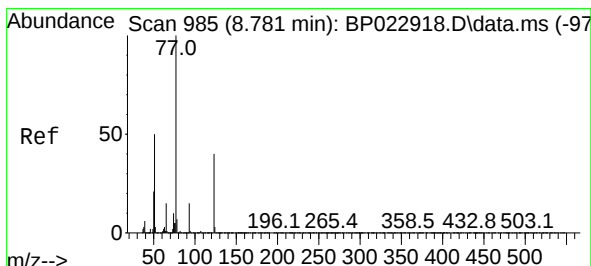
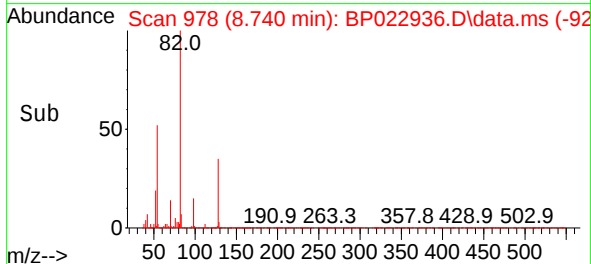
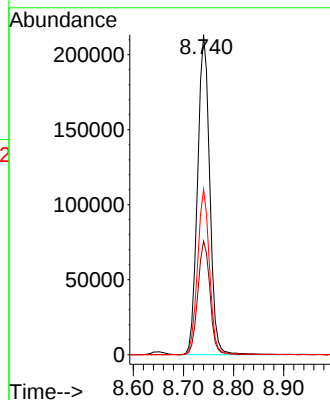
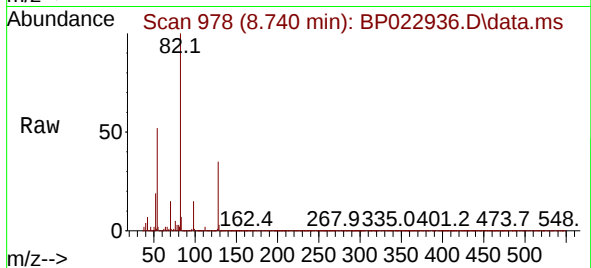




#23
Nitrobenzene-d5
Concen: 89.181 ng
RT: 8.740 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

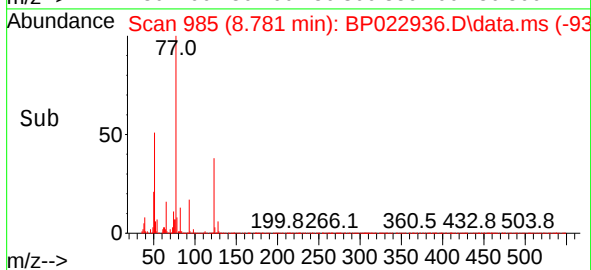
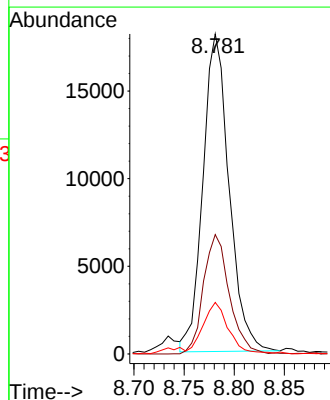
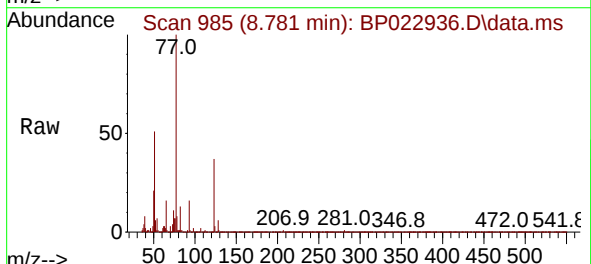
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

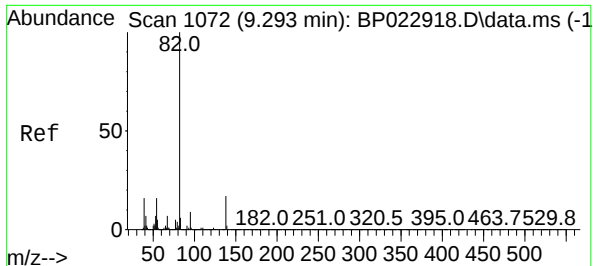
Tgt Ion: 82 Resp: 358742
Ion Ratio Lower Upper
82 100
128 35.5 29.8 44.8
54 51.6 39.0 58.4



#24
Nitrobenzene
Concen: 8.051 ng
RT: 8.781 min Scan# 985
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 77 Resp: 32897
Ion Ratio Lower Upper
77 100
123 37.3 32.2 48.4
65 16.1 11.7 17.5

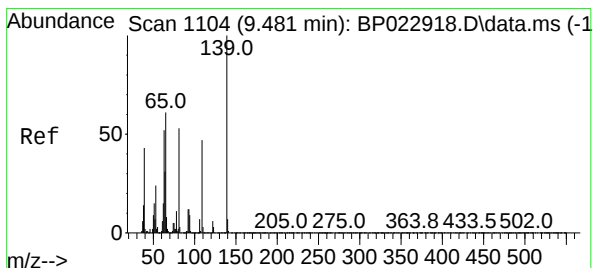
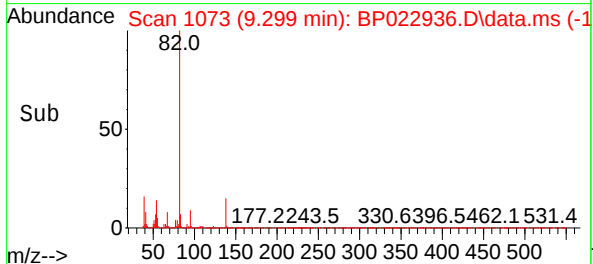
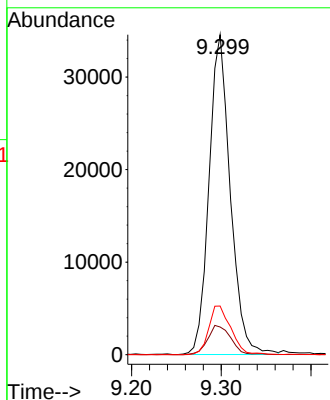
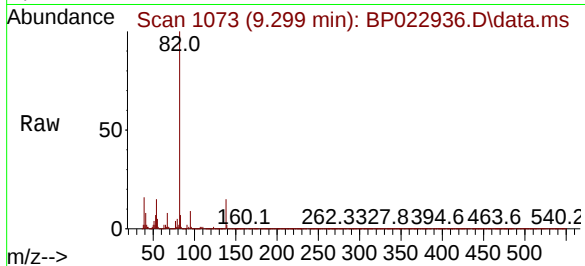




#25
Isophorone
Concen: 8.365 ng
RT: 9.299 min Scan# 1073
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

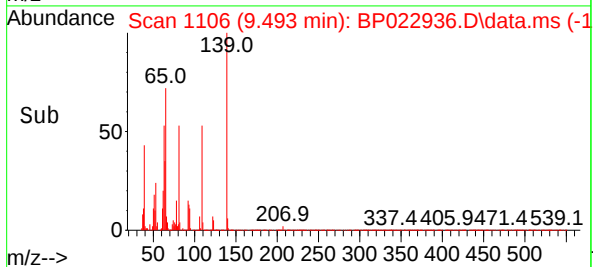
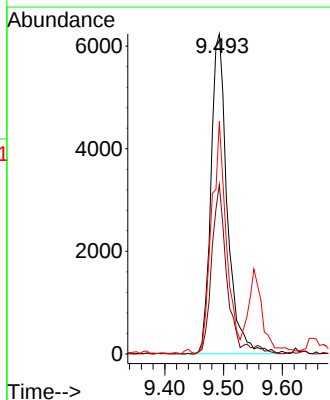
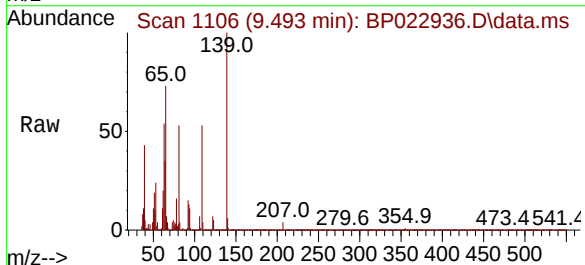
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

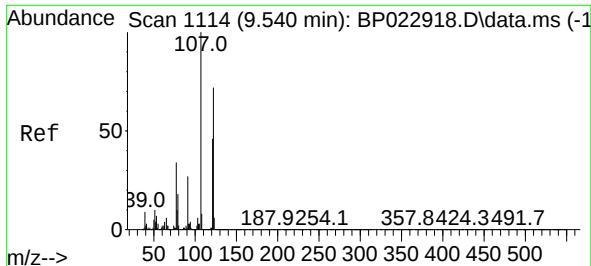
Tgt Ion: 82 Resp: 56953
Ion Ratio Lower Upper
82 100
95 8.6 7.4 11.2
138 15.2 13.7 20.5



#26
2-Nitrophenol
Concen: 7.174 ng
RT: 9.493 min Scan# 1106
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 139 Resp: 12037
Ion Ratio Lower Upper
139 100
109 52.9 37.8 56.8
65 72.7 48.6 73.0

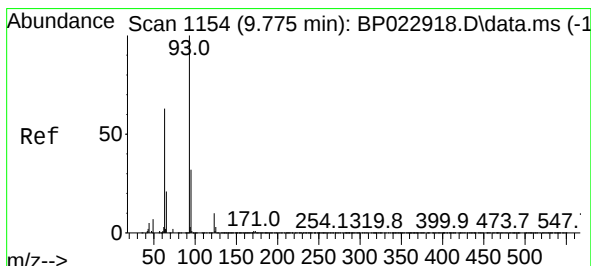
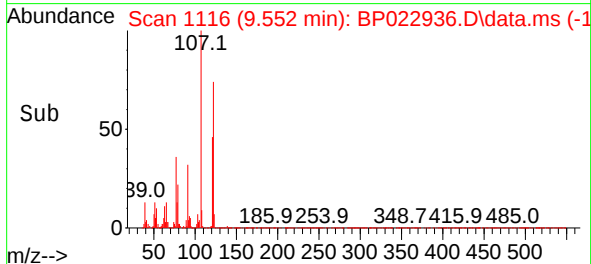
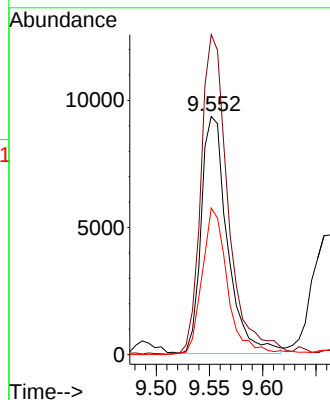
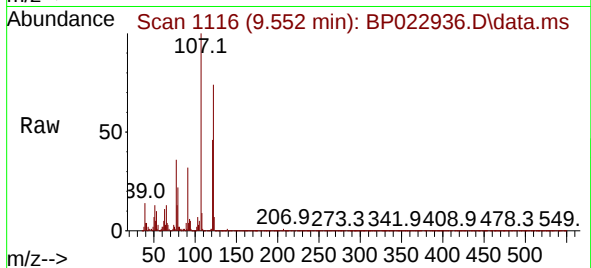




#27
2,4-Dimethylphenol
Concen: 8.343 ng
RT: 9.552 min Scan# 1116
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

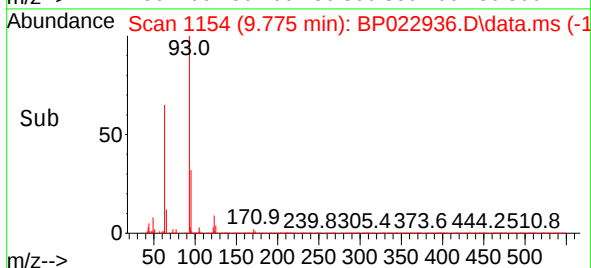
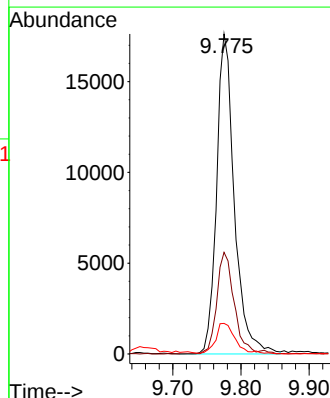
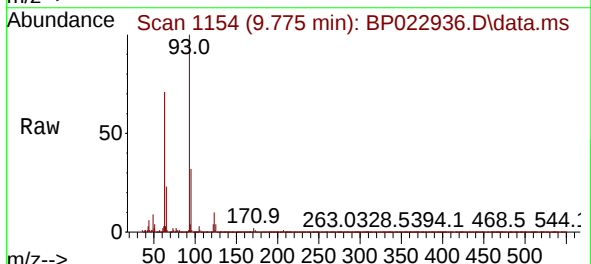
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

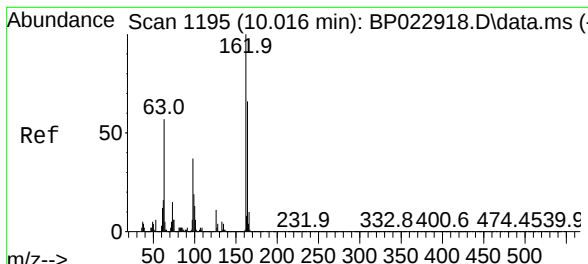
Tgt Ion	Ratio	Lower	Upper
122	100		
107	134.3	109.8	164.6
121	61.6	50.5	75.7



#28
bis(2-Chloroethoxy)methane
Concen: 8.245 ng
RT: 9.775 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.4	38.2
123	9.6	8.6	13.0

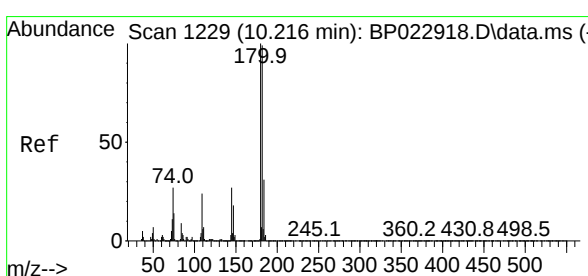
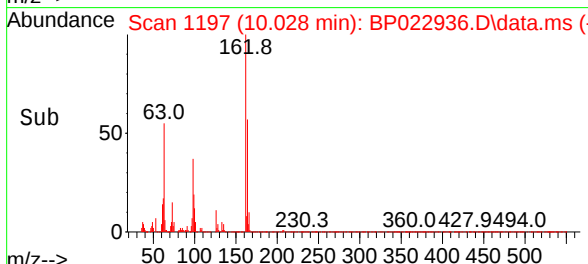
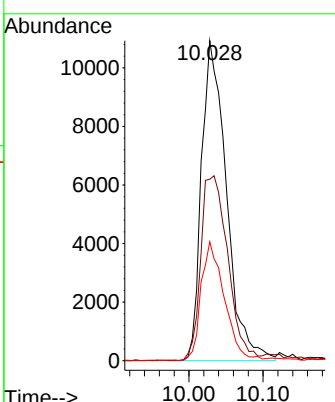
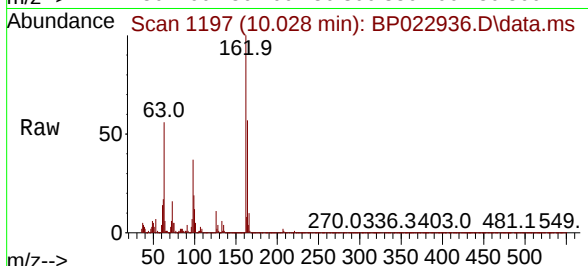




#29
2,4-Dichlorophenol
Concen: 7.684 ng
RT: 10.028 min Scan# 1195
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

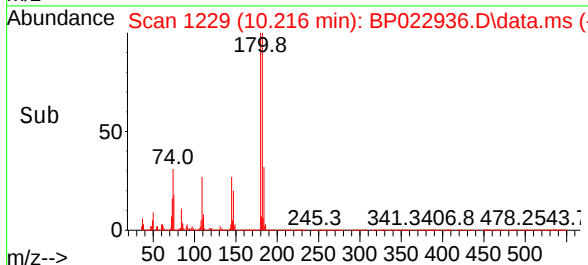
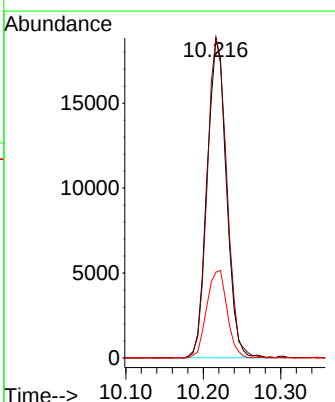
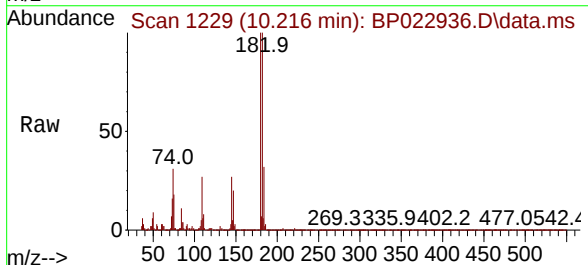
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

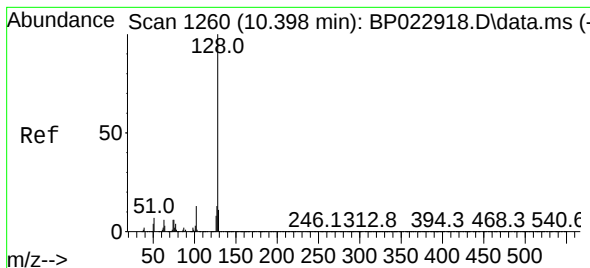
Tgt Ion:	162	Resp:	25485
Ion Ratio	Lower	Upper	
162	100		
164	56.7	46.0	86.0
98	37.1	16.7	56.7



#30
1,2,4-Trichlorobenzene
Concen: 7.685 ng
RT: 10.216 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:	180	Resp:	32582
Ion Ratio	Lower	Upper	
180	100		
182	100.0	79.4	119.2
145	26.8	21.6	32.4





#31

Naphthalene

Concen: 7.992 ng

RT: 10.399 min Scan# 1135

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

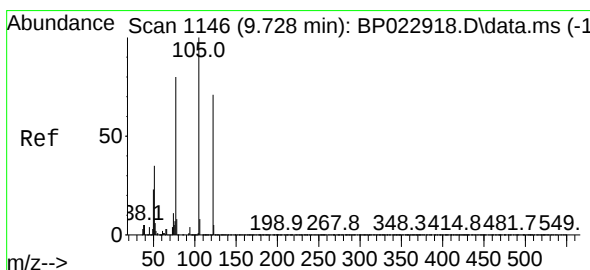
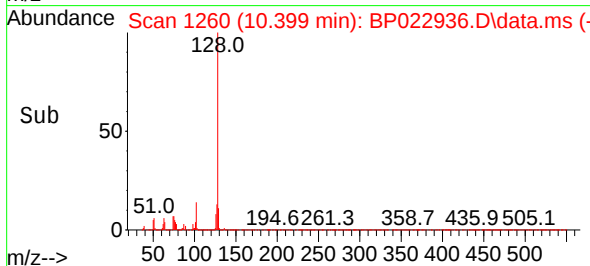
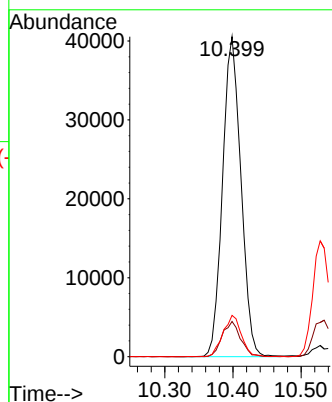
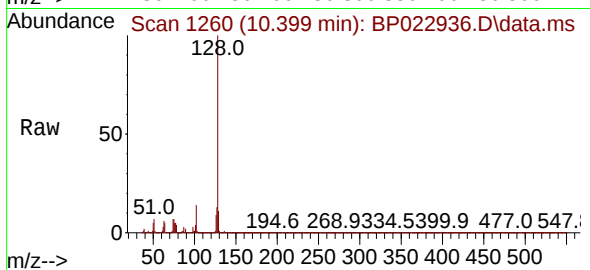
Tgt Ion:128 Resp: 76104

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

127 12.9 10.6 16.0



#32

Benzoic acid

Concen: 5.157 ng

RT: 9.663 min Scan# 1135

Delta R.T. -0.064 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

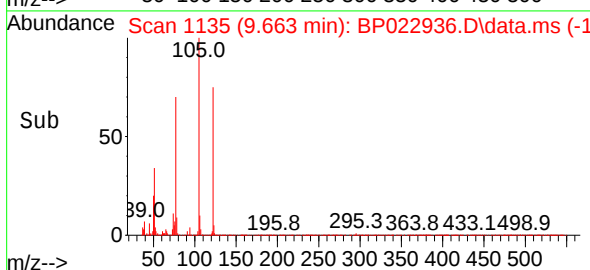
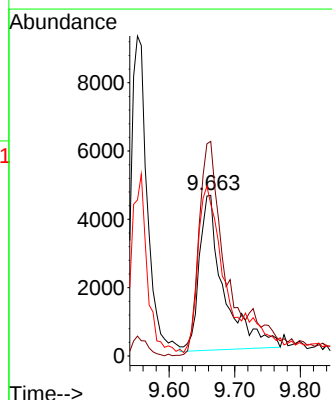
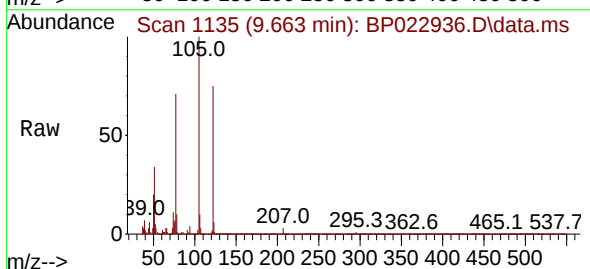
Tgt Ion:122 Resp: 11864

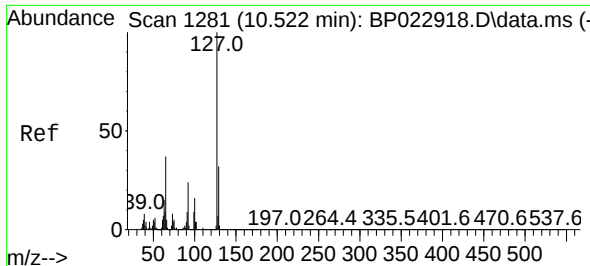
Ion Ratio Lower Upper

122 100

105 133.5 119.9 159.9

77 94.5 92.2 132.2

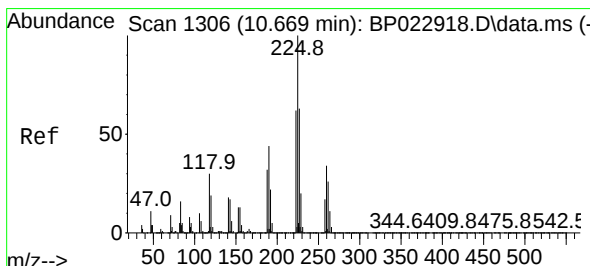
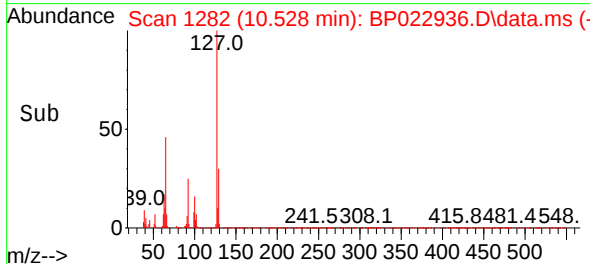
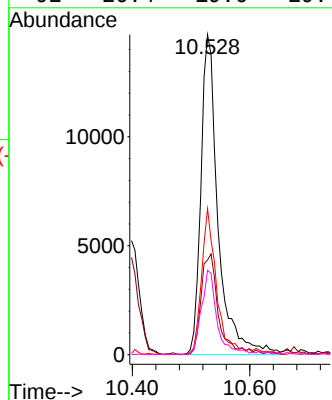
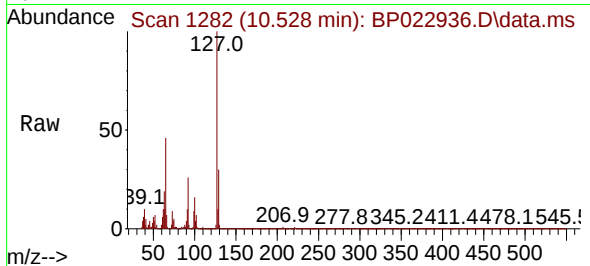




#33
4-Chloroaniline
Concen: 8.803 ng
RT: 10.528 min Scan# 1281
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

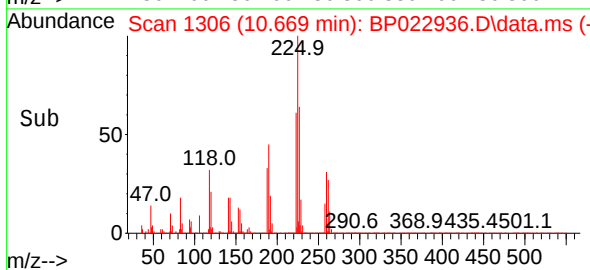
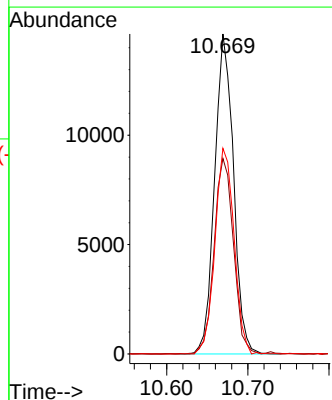
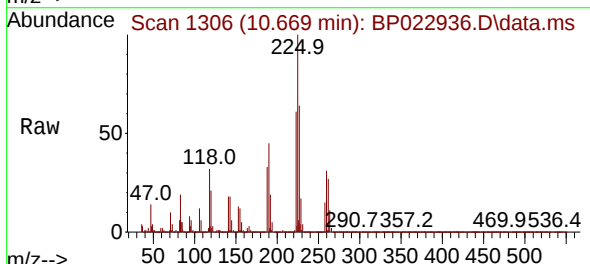
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

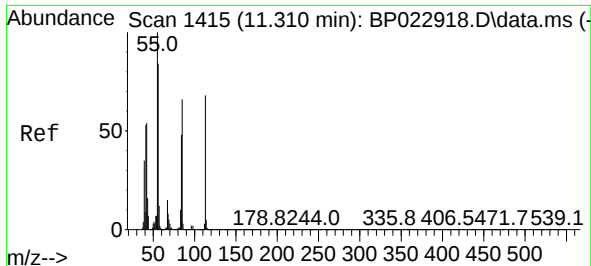
Tgt Ion:	127	Resp:	29836
Ion	Ratio	Lower	Upper
127	100		
129	29.6	25.2	37.8
65	45.6	29.7	44.5
92	26.4	19.6	29.4



#34
Hexachlorobutadiene
Concen: 7.576 ng
RT: 10.669 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:	225	Resp:	23559
Ion	Ratio	Lower	Upper
225	100		
223	57.5	49.8	74.6
227	64.4	50.5	75.7





#35

Caprolactam

Concen: 7.398 ng

RT: 11.322 min Scan# 1417

Delta R.T. 0.012 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

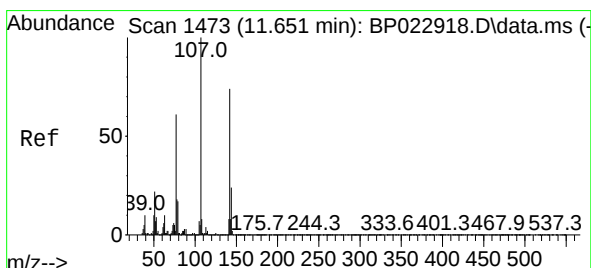
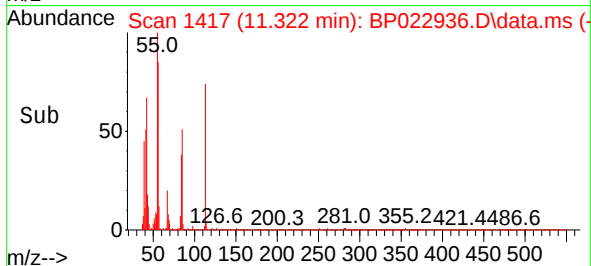
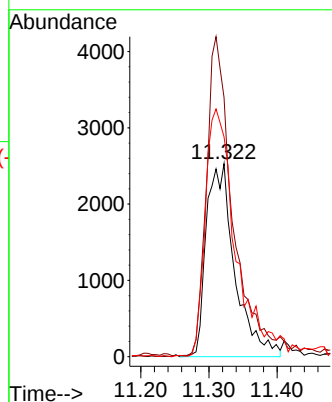
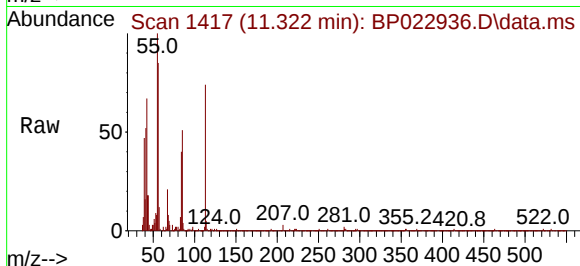
Tgt Ion:113 Resp: 7345

Ion Ratio Lower Upper

113 100

55 134.4 127.4 167.4

56 113.9 103.5 143.5



#36

4-Chloro-3-methylphenol

Concen: 7.417 ng

RT: 11.663 min Scan# 1475

Delta R.T. 0.012 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

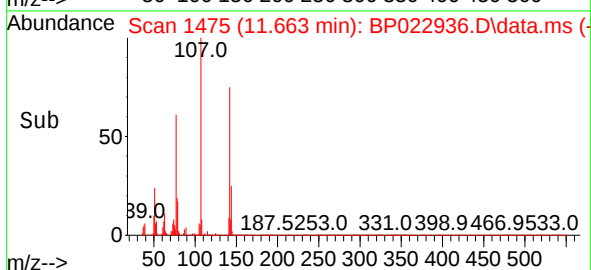
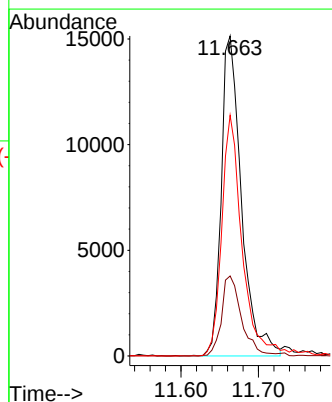
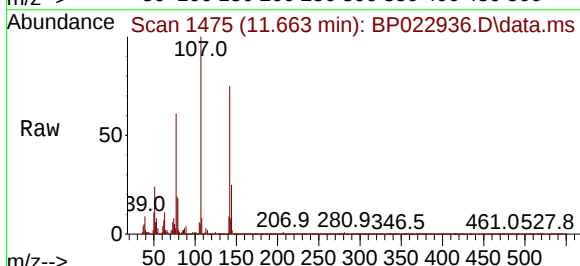
Tgt Ion:107 Resp: 27427

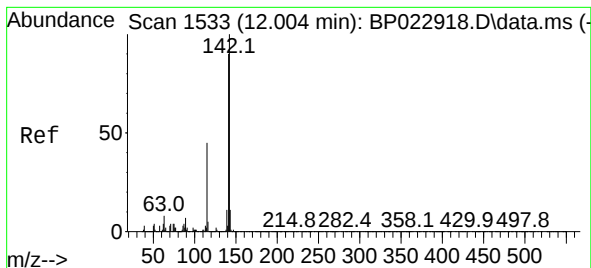
Ion Ratio Lower Upper

107 100

144 25.0 19.4 29.0

142 75.2 59.5 89.3





#37

2-Methylnaphthalene

Concen: 8.097 ng

RT: 12.010 min Scan# 1534

Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

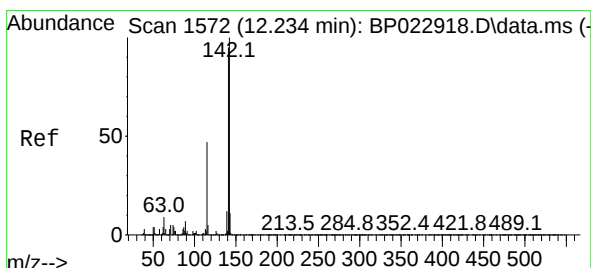
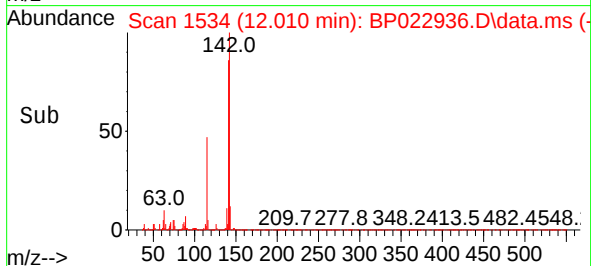
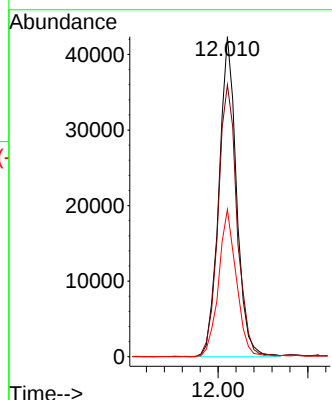
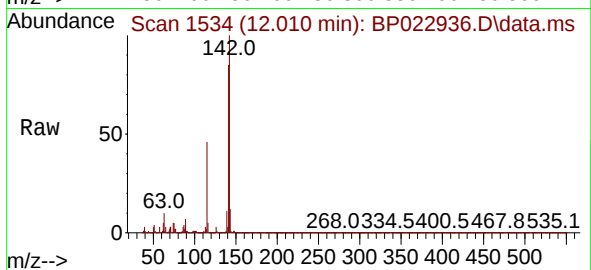
Tgt Ion:142 Resp: 57742

Ion Ratio Lower Upper

142 100

141 85.0 72.2 108.4

115 46.0 35.9 53.9



#38

1-Methylnaphthalene

Concen: 8.157 ng

RT: 12.010 min Scan# 1534

Delta R.T. -0.223 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

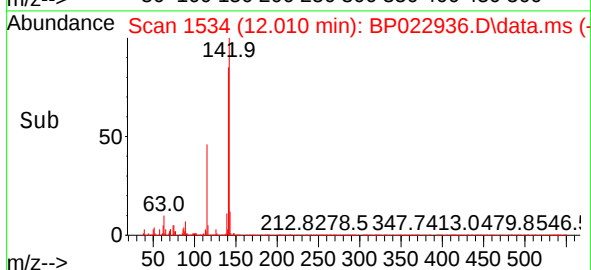
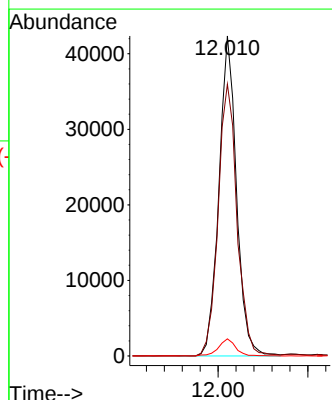
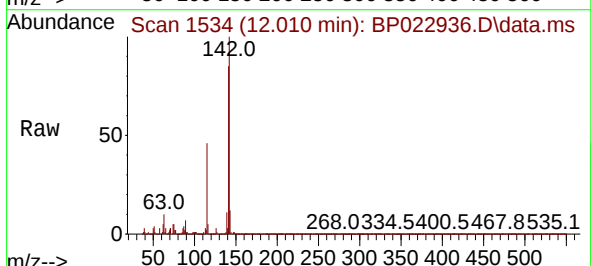
Tgt Ion:142 Resp: 57742

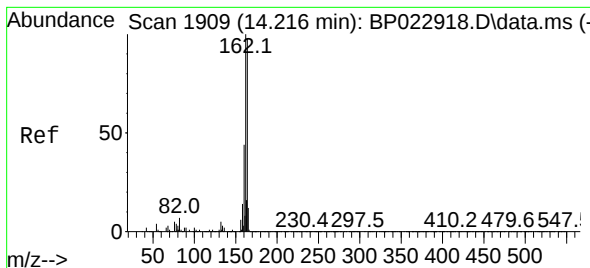
Ion Ratio Lower Upper

142 100

141 85.0 75.8 113.8

116 5.4 3.8 5.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.210 min Scan# 1909

Delta R.T. -0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

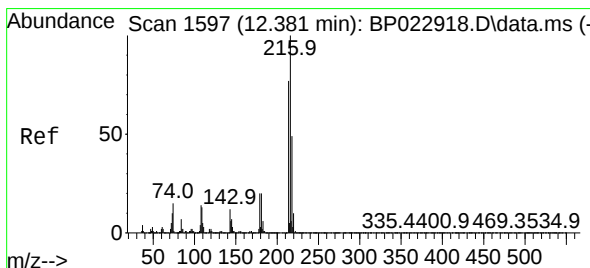
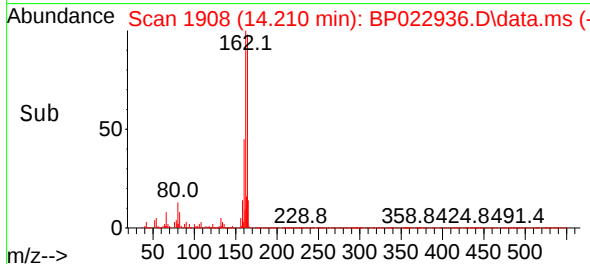
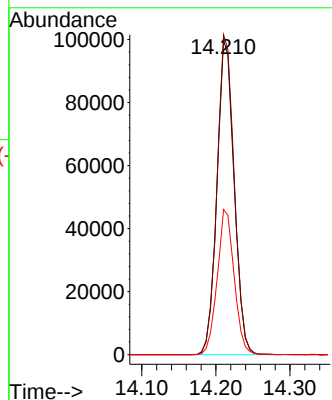
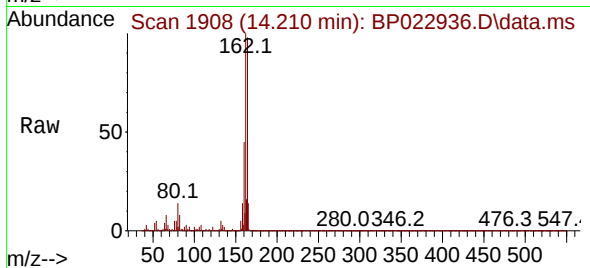
Tgt Ion:164 Resp: 159992

Ion Ratio Lower Upper

164 100

162 101.6 81.8 122.8

160 46.1 35.7 53.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.151 ng

RT: 12.387 min Scan# 1598

Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Tgt Ion:216 Resp: 44150

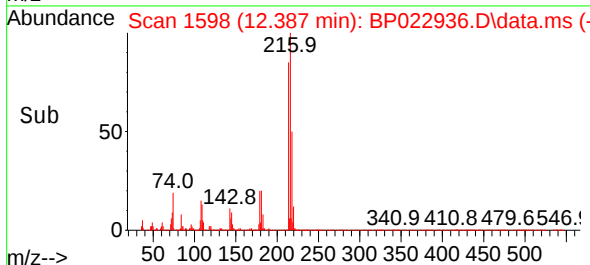
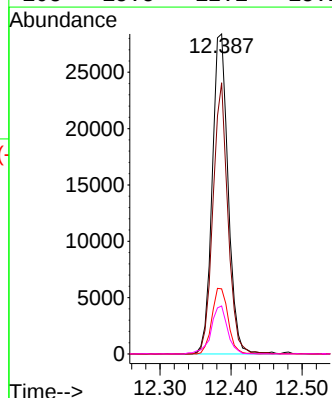
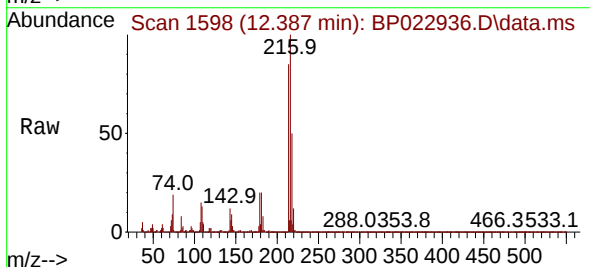
Ion Ratio Lower Upper

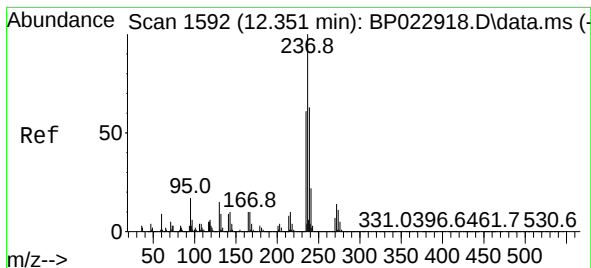
216 100

214 79.7 62.5 93.7

179 20.9 16.5 24.7

108 15.5 12.1 18.1

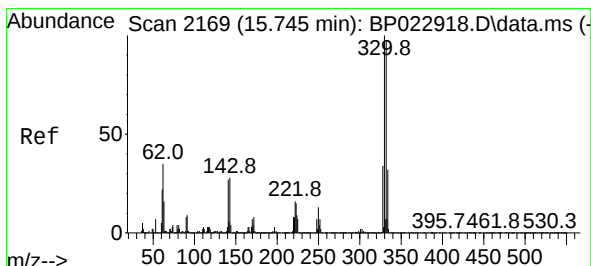
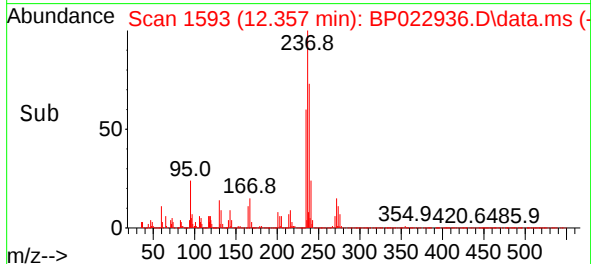
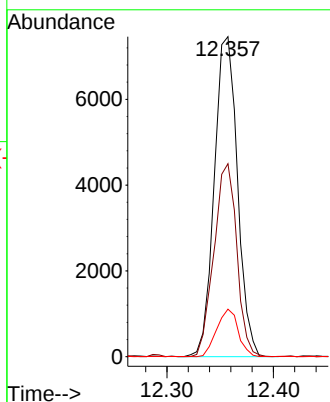
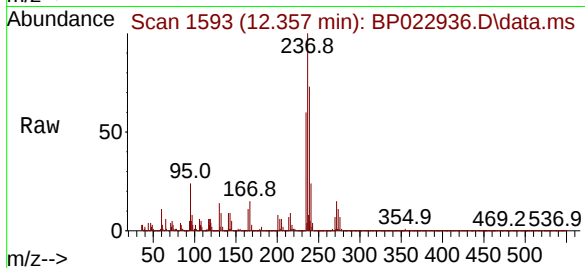




#41
Hexachlorocyclopentadiene
Concen: 7.404 ng
RT: 12.357 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

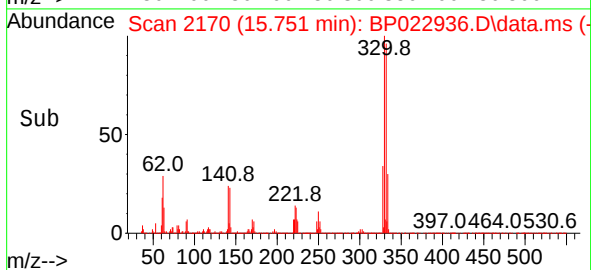
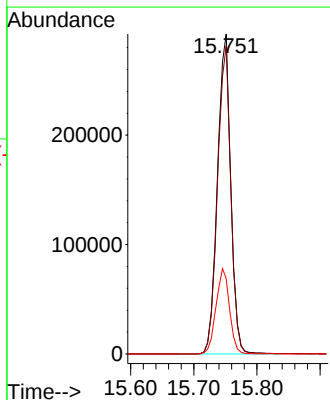
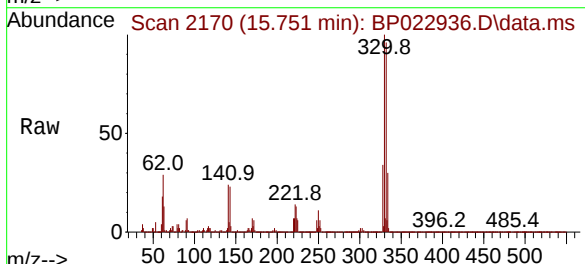
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

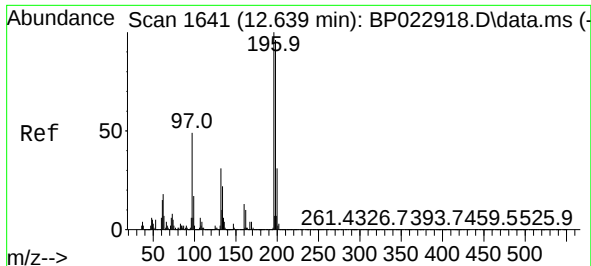
Tgt Ion	Ratio	Lower	Upper
237	100		
235	60.3	41.2	81.2
272	14.9	0.0	33.7



#42
2,4,6-Tribromophenol
Concen: 138.037 ng
RT: 15.751 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	27.0	21.6	32.4

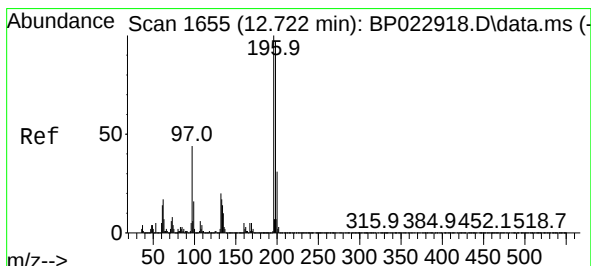
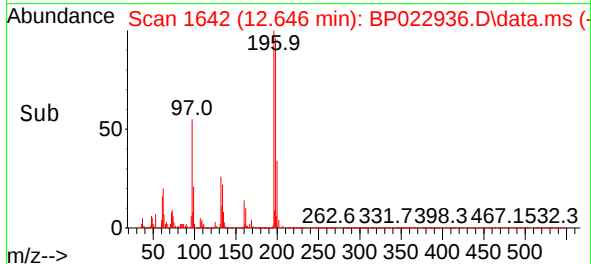
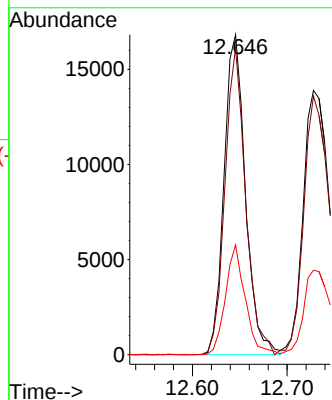
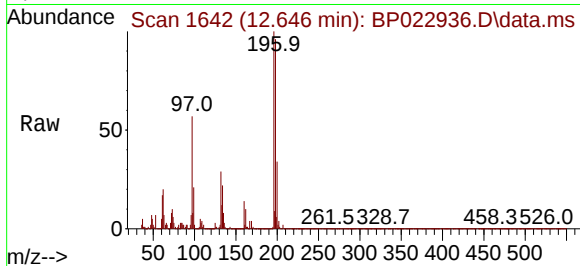




#43
2,4,6-Trichlorophenol
Concen: 7.655 ng
RT: 12.646 min Scan# 1642
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

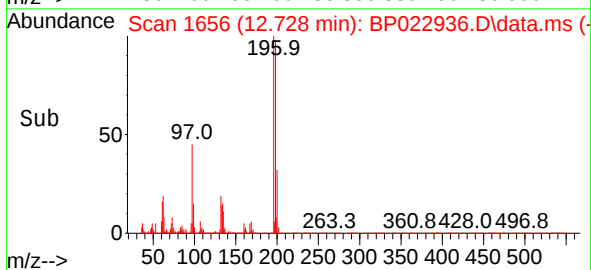
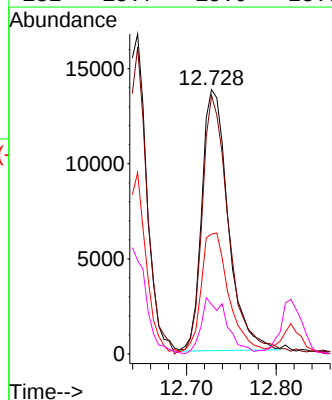
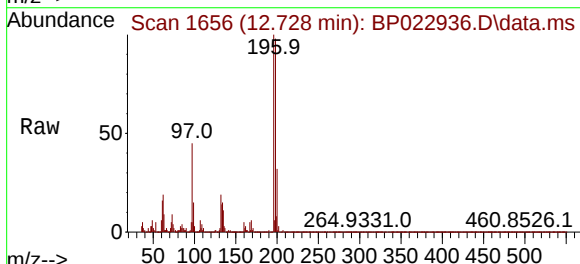
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

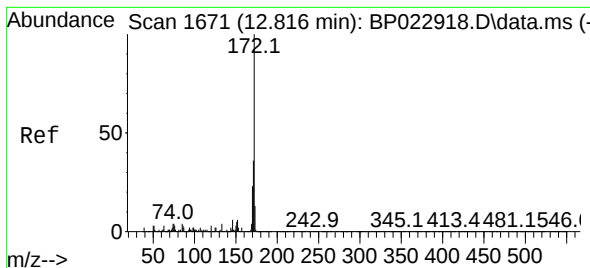
Tgt Ion:196 Resp: 26370
Ion Ratio Lower Upper
196 100
198 95.8 76.5 114.7
200 34.3 24.6 36.8



#44
2,4,5-Trichlorophenol
Concen: 7.144 ng
RT: 12.728 min Scan# 1656
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:196 Resp: 28015
Ion Ratio Lower Upper
196 100
198 97.9 77.8 116.8
97 45.4 35.2 52.8
132 18.7 15.9 23.9





#45

2-Fluorobiphenyl

Concen: 87.365 ng

RT: 12.816 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

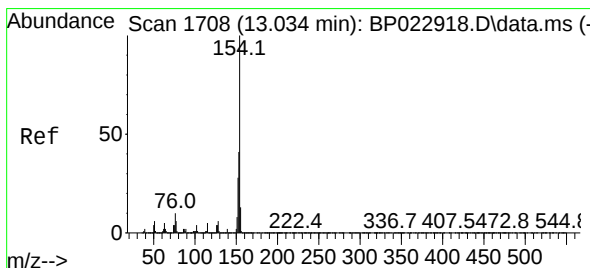
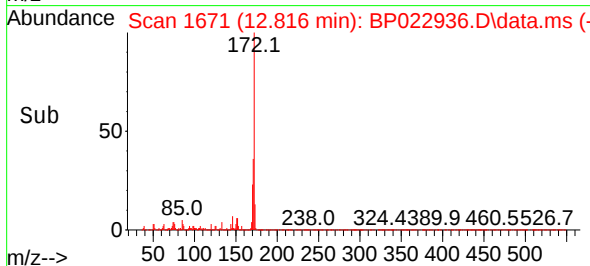
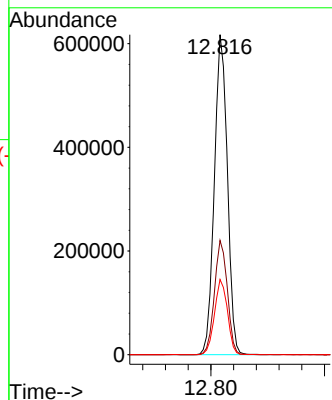
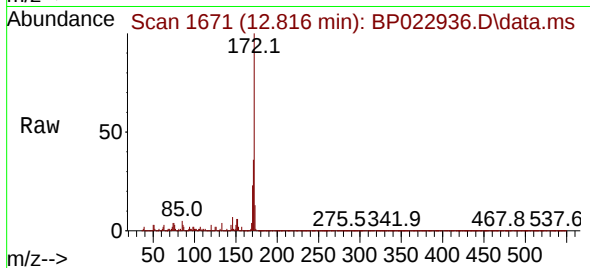
Tgt Ion:172 Resp: 978245

Ion Ratio Lower Upper

172 100

171 35.7 28.5 42.7

170 23.5 18.6 27.8



#46

1,1'-Biphenyl

Concen: 8.475 ng

RT: 13.034 min Scan# 1708

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

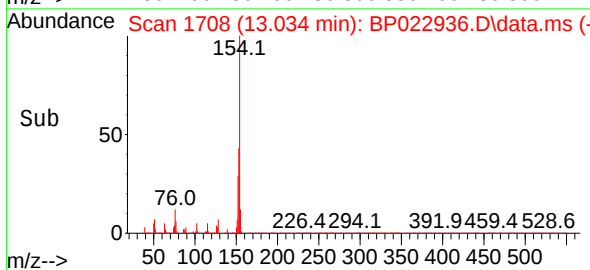
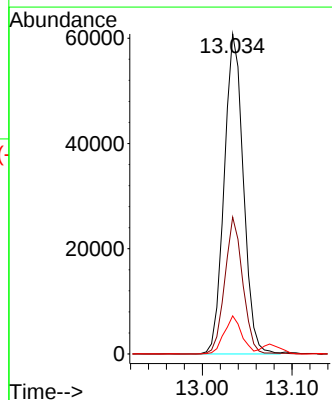
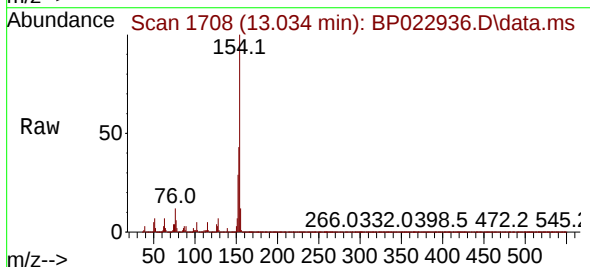
Tgt Ion:154 Resp: 90140

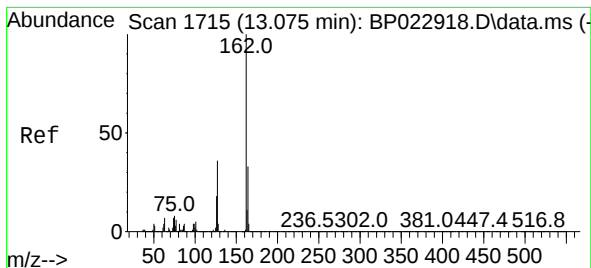
Ion Ratio Lower Upper

154 100

153 42.8 20.6 60.6

76 11.9 0.0 30.5

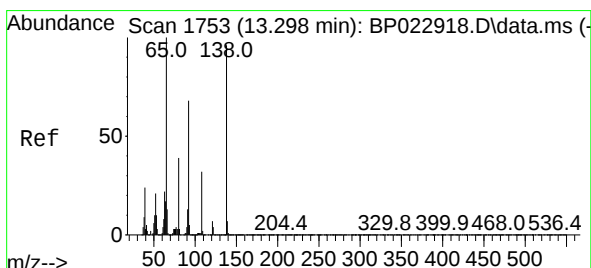
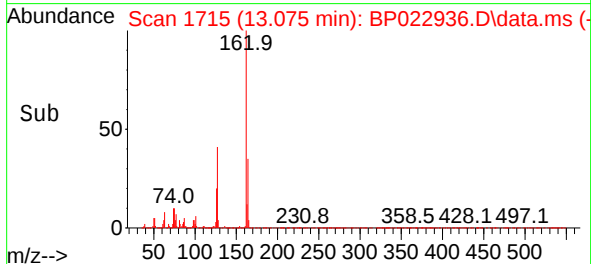
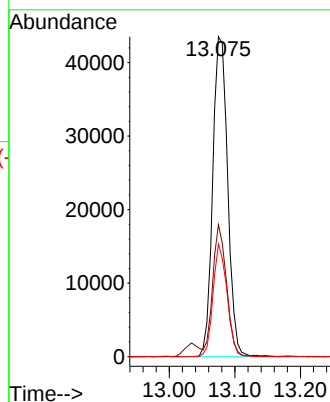
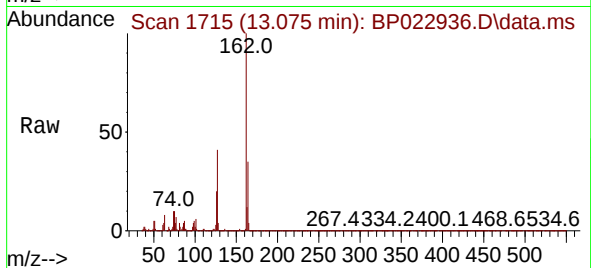




#47
2-Chloronaphthalene
Concen: 7.815 ng
RT: 13.075 min Scan# 1715
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

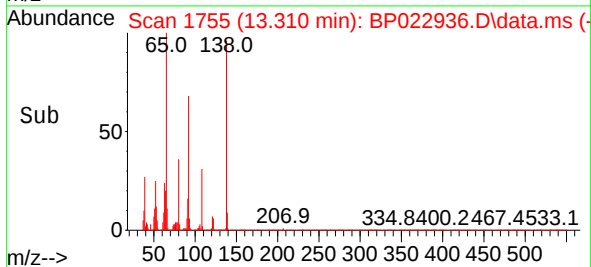
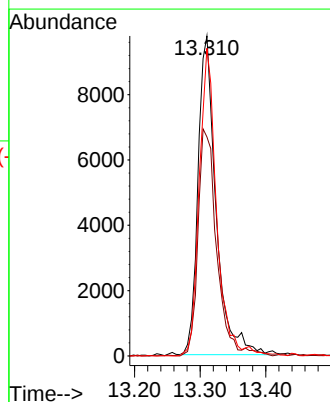
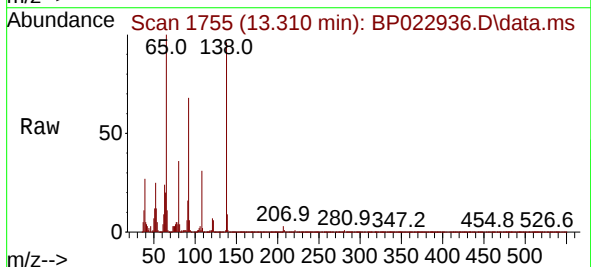
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

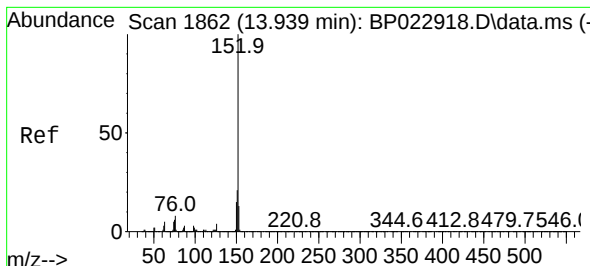
Tgt Ion:162 Resp: 68976
Ion Ratio Lower Upper
162 100
127 41.3 28.6 43.0
164 35.2 26.4 39.6



#48
2-Nitroaniline
Concen: 7.271 ng
RT: 13.310 min Scan# 1755
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 65 Resp: 18697
Ion Ratio Lower Upper
65 100
92 68.4 54.4 81.6
138 96.1 76.5 114.7





#49

Acenaphthylene

Concen: 8.815 ng

RT: 13.940 min Scan# 1862

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

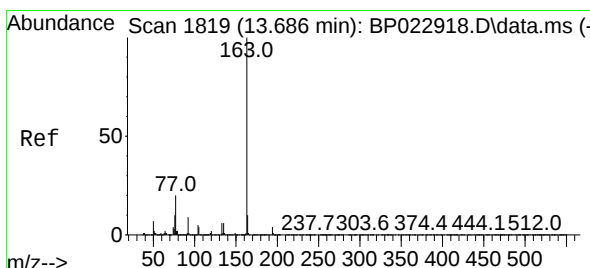
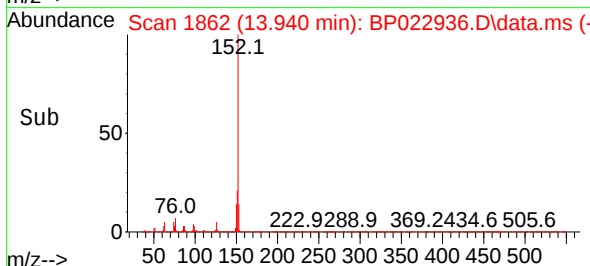
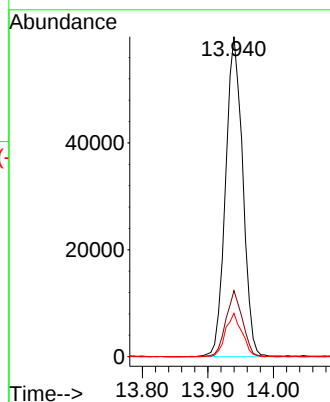
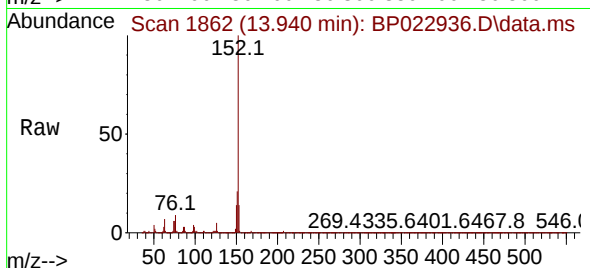
Tgt Ion:152 Resp: 108653

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

153 13.5 10.8 16.2



#50

Dimethylphthalate

Concen: 8.317 ng

RT: 13.681 min Scan# 1818

Delta R.T. -0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

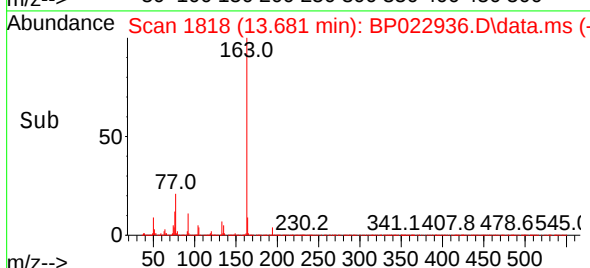
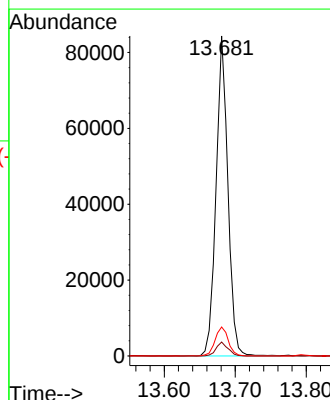
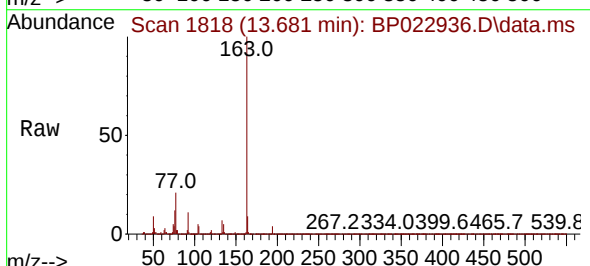
Tgt Ion:163 Resp: 97423

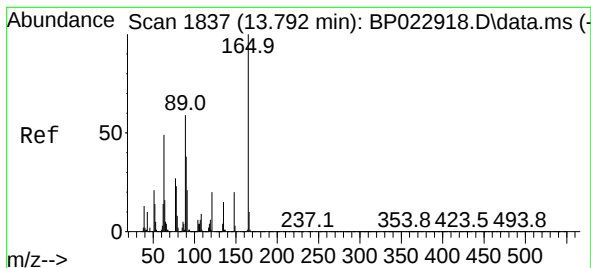
Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

164 9.0 8.0 12.0

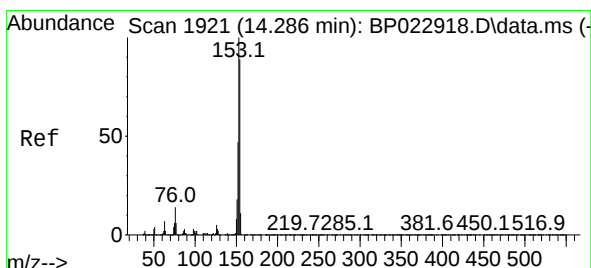
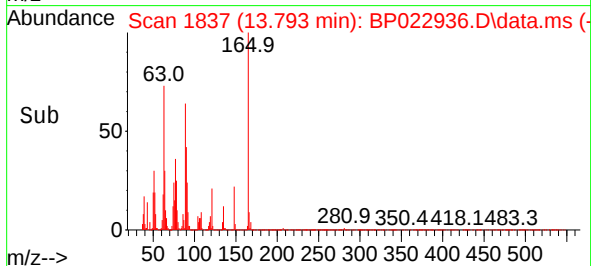
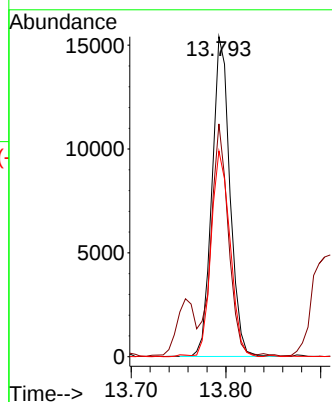
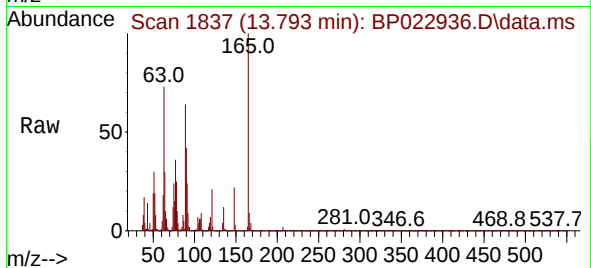




#51
2,6-Dinitrotoluene
Concen: 7.574 ng
RT: 13.793 min Scan# 1837
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

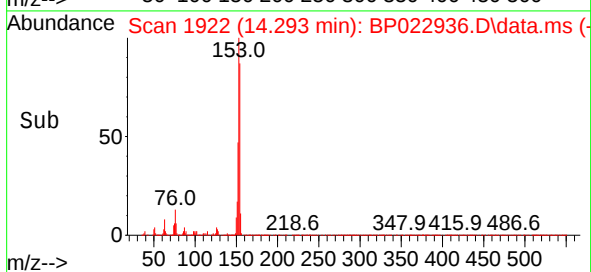
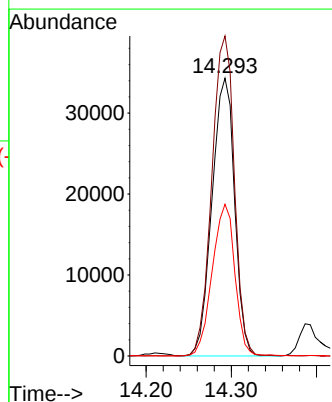
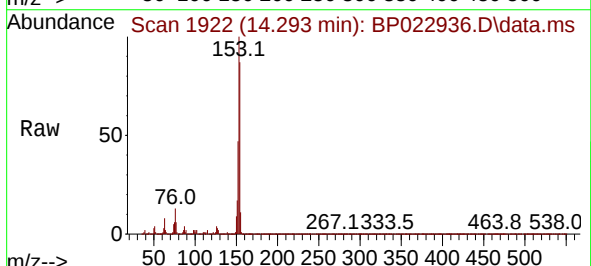
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

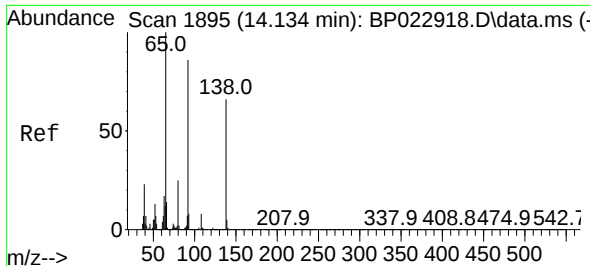
Tgt Ion:165 Resp: 20173
Ion Ratio Lower Upper
165 100
63 72.7 45.1 67.7#
89 64.3 46.9 70.3



#52
Acenaphthene
Concen: 7.963 ng
RT: 14.293 min Scan# 1922
Delta R.T. 0.007 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:154 Resp: 63115
Ion Ratio Lower Upper
154 100
153 115.2 89.9 134.9
152 54.6 42.1 63.1

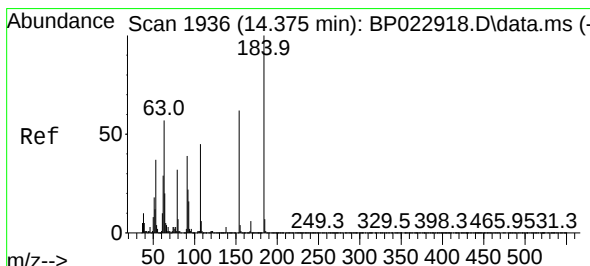
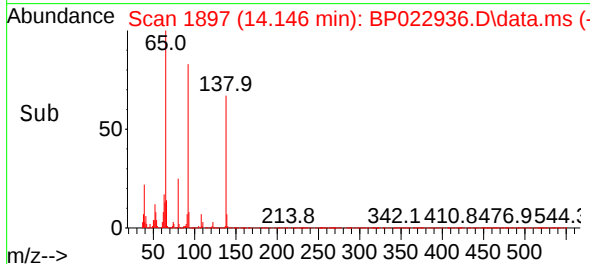
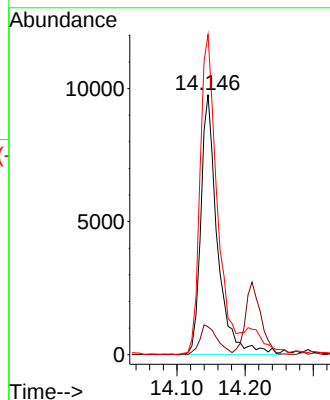
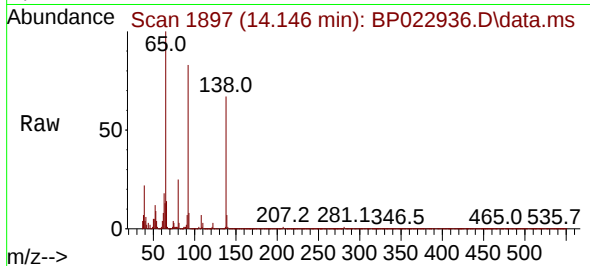




#53
3-Nitroaniline
Concen: 7.626 ng
RT: 14.146 min Scan# 1897
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

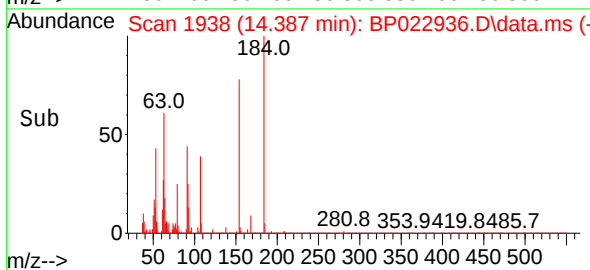
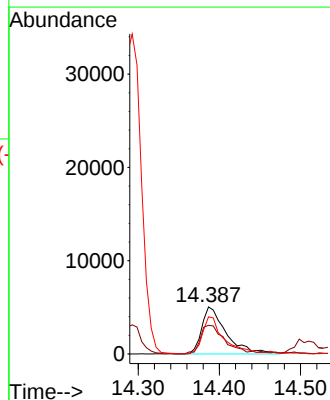
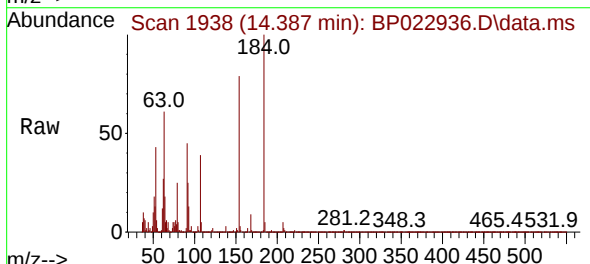
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

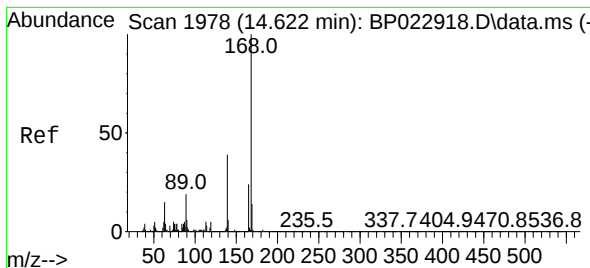
Tgt Ion:138 Resp: 16503
Ion Ratio Lower Upper
138 100
108 10.7 10.2 15.2
92 123.1 104.2 156.2



#54
2,4-Dinitrophenol
Concen: 6.375 ng
RT: 14.387 min Scan# 1938
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:184 Resp: 10536
Ion Ratio Lower Upper
184 100
63 60.9 46.3 69.5
154 78.8 56.6 85.0





#55

Dibenzenofuran

Concen: 8.458 ng

RT: 14.628 min Scan# 1978

Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

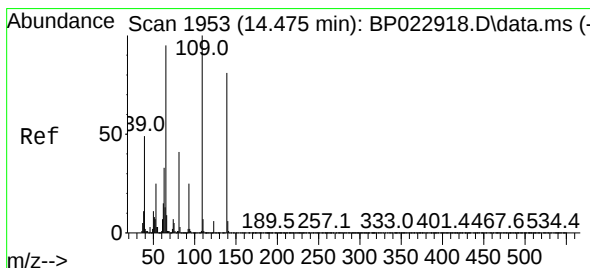
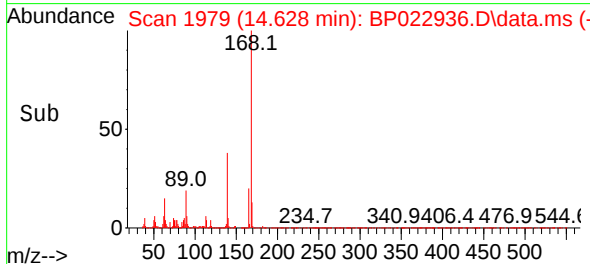
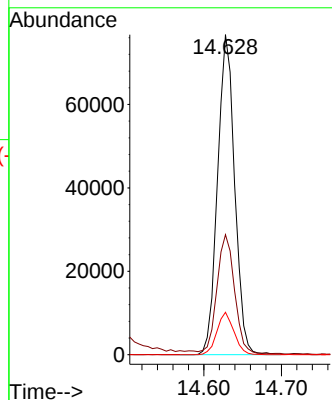
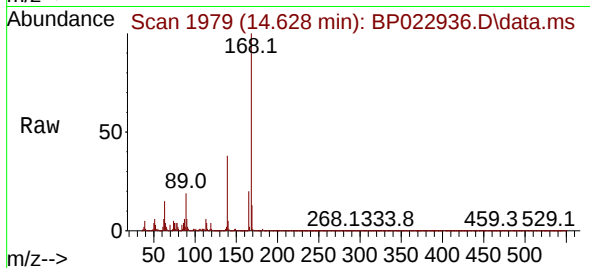
Tgt Ion:168 Resp: 117734

Ion Ratio Lower Upper

168 100

139 37.5 31.1 46.7

169 13.3 11.0 16.6



#56

4-Nitrophenol

Concen: 5.778 ng

RT: 14.504 min Scan# 1958

Delta R.T. 0.030 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

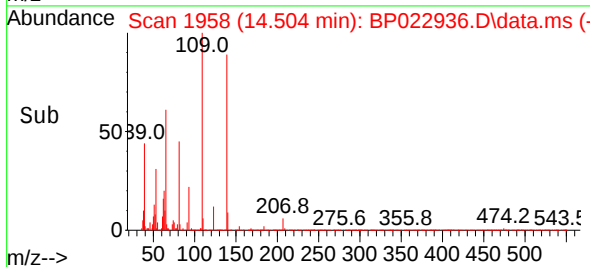
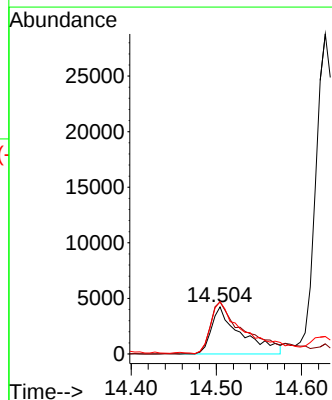
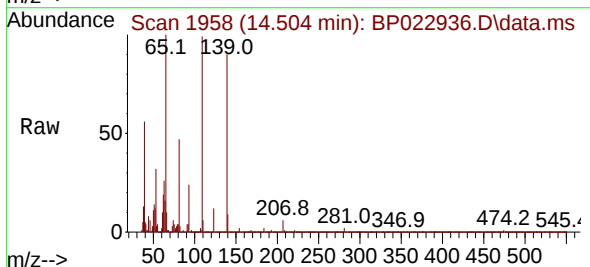
Tgt Ion:139 Resp: 10284

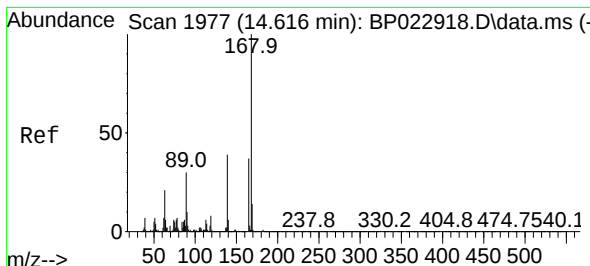
Ion Ratio Lower Upper

139 100

109 110.7 103.1 143.1

65 111.4 96.9 136.9

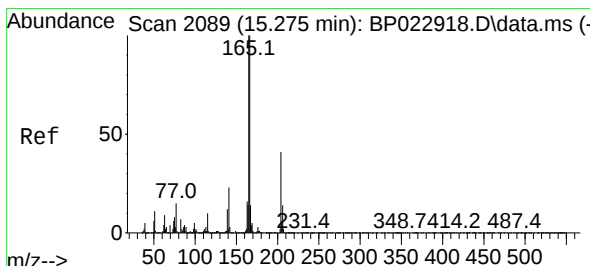
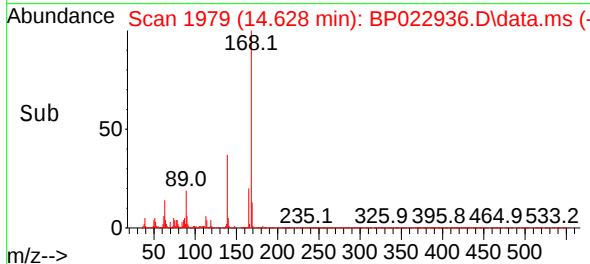
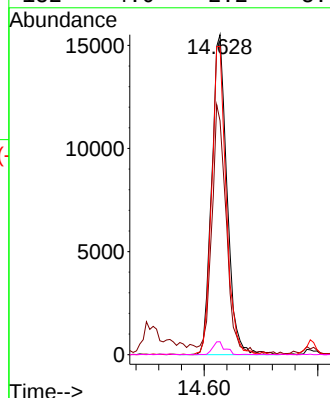
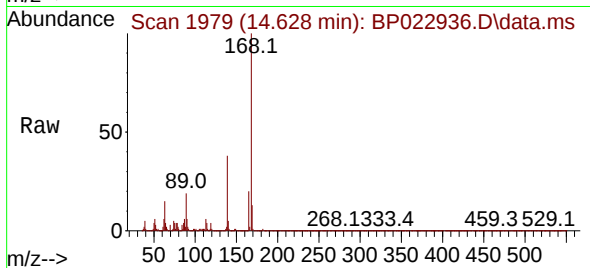




#57
2,4-Dinitrotoluene
Concen: 7.509 ng
RT: 14.628 min Scan# 1979
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

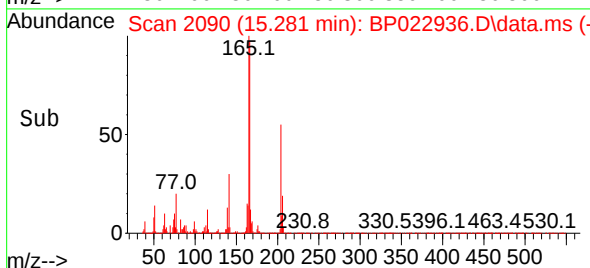
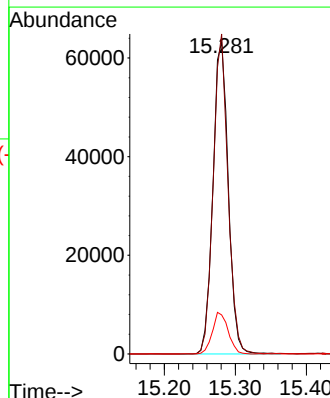
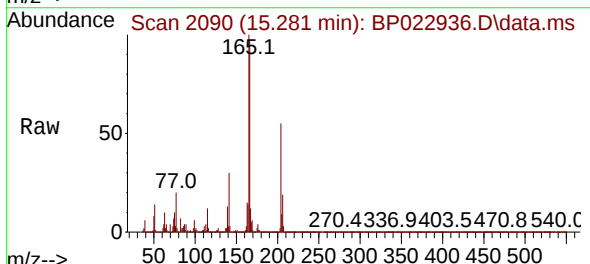
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

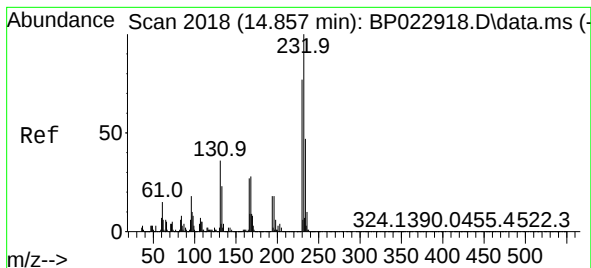
Tgt Ion:165 Resp: 28912
Ion Ratio Lower Upper
165 100
63 73.1 46.5 69.7#
89 96.3 64.0 96.0#
182 4.0 2.2 3.4#



#58
Fluorene
Concen: 8.224 ng
RT: 15.281 min Scan# 2090
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:166 Resp: 95109
Ion Ratio Lower Upper
166 100
165 102.6 80.1 120.1
167 12.5 11.1 16.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.051 ng

RT: 14.863 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:232 Resp: 30451

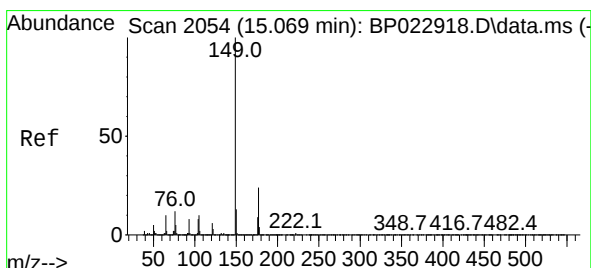
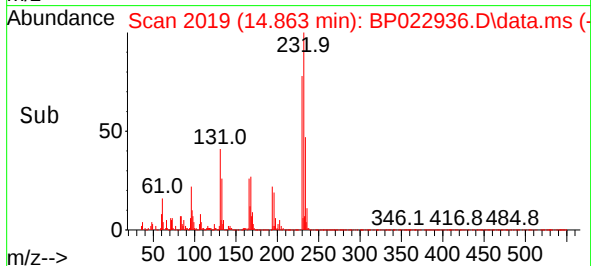
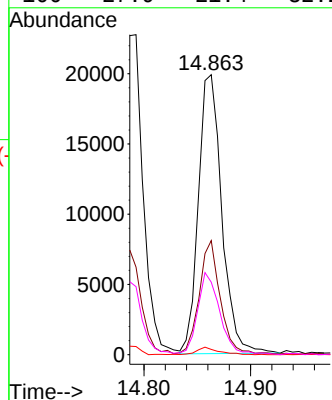
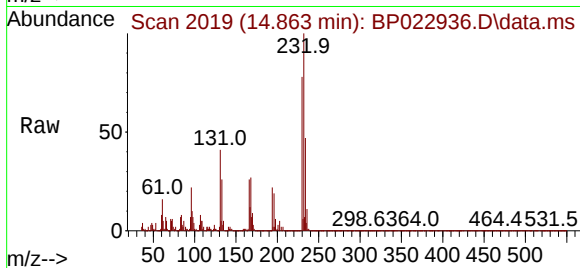
Ion Ratio Lower Upper

232 100

131 36.3 28.2 42.2

130 2.5 1.7 2.5

166 27.9 21.4 32.2



#60

Diethylphthalate

Concen: 8.170 ng

RT: 15.063 min Scan# 2053

Delta R.T. -0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

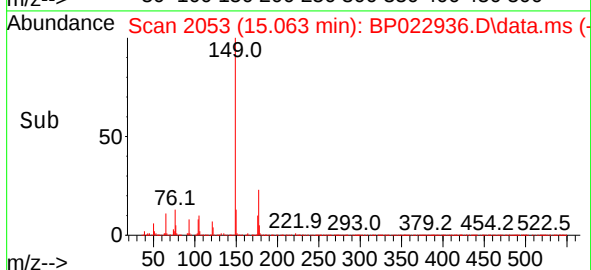
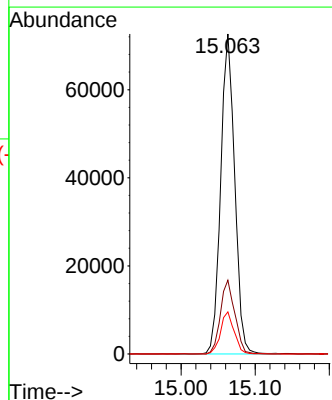
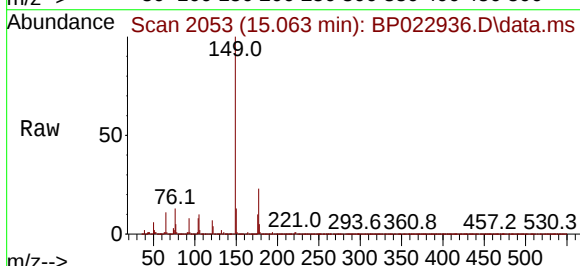
Tgt Ion:149 Resp: 95181

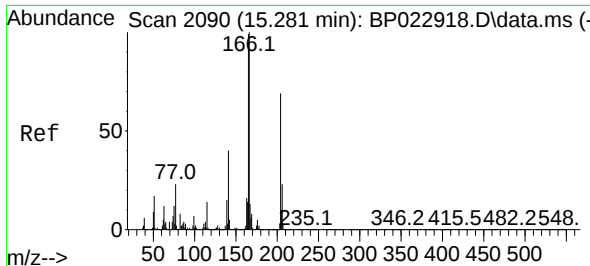
Ion Ratio Lower Upper

149 100

177 23.0 18.9 28.3

150 13.1 10.3 15.5

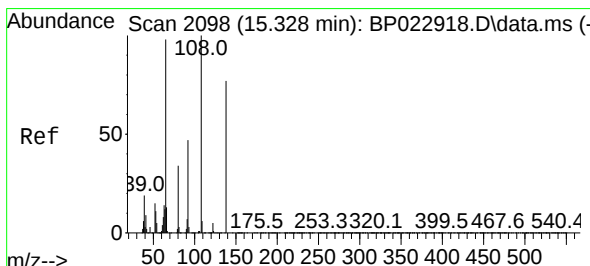
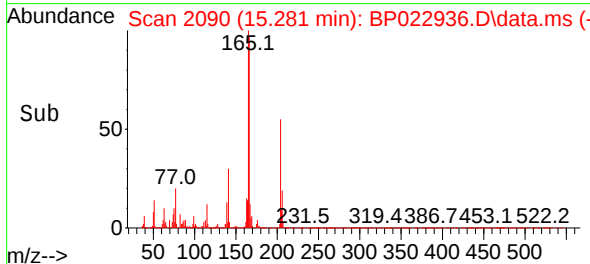
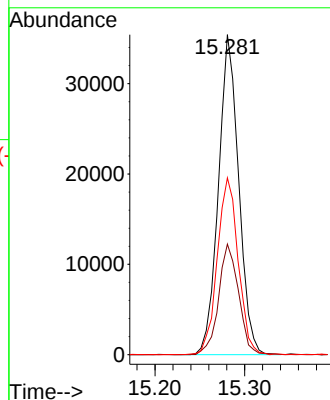
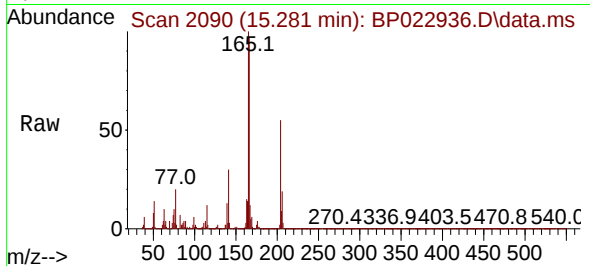




#61
4-Chlorophenyl-phenylether
Concen: 8.127 ng
RT: 15.281 min Scan# 2090
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

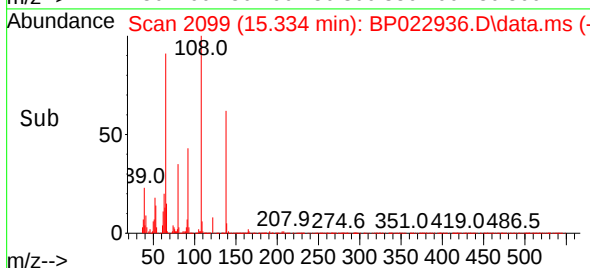
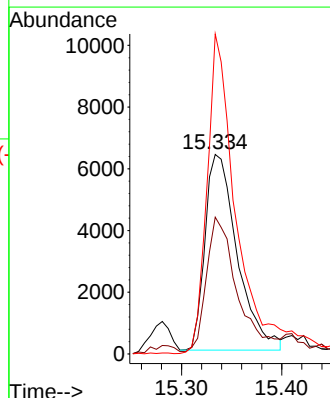
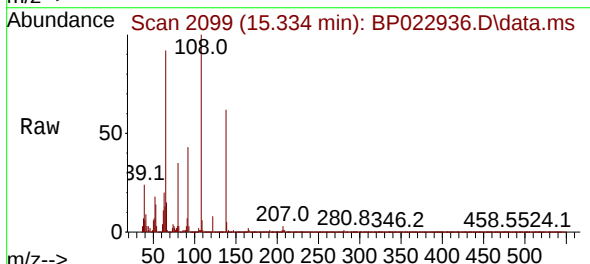
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

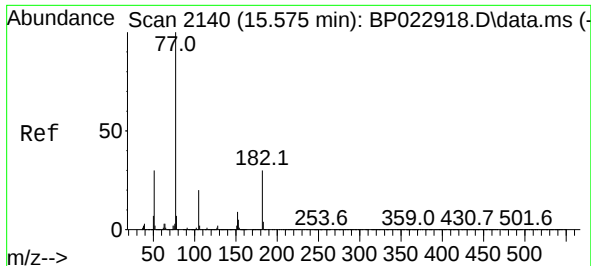
Tgt Ion:204 Resp: 55394
Ion Ratio Lower Upper
204 100
206 34.6 26.8 40.2
141 55.2 46.2 69.4



#62
4-Nitroaniline
Concen: 6.396 ng
RT: 15.334 min Scan# 2099
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:138 Resp: 14204
Ion Ratio Lower Upper
138 100
92 68.6 41.9 81.9
108 160.3 109.3 149.3#

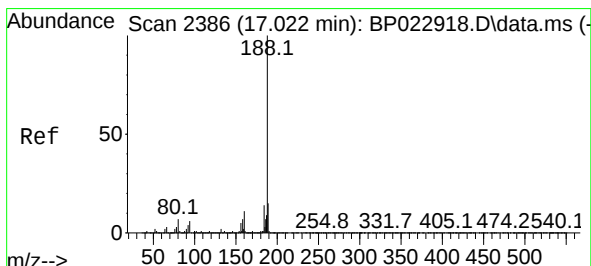
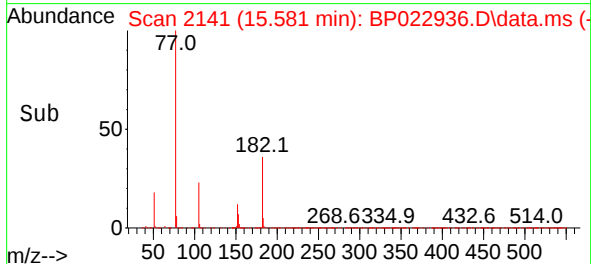
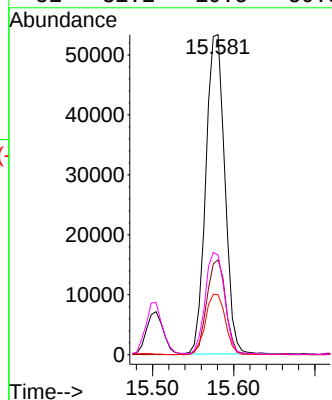
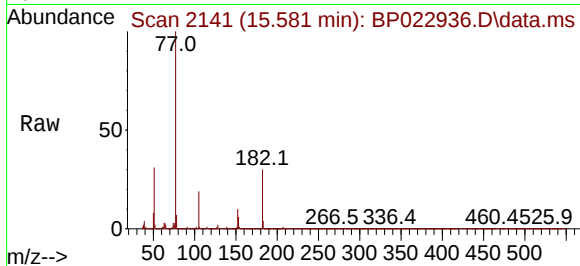




#63
Azobenzene
Concen: 8.610 ng
RT: 15.581 min Scan# 2140
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

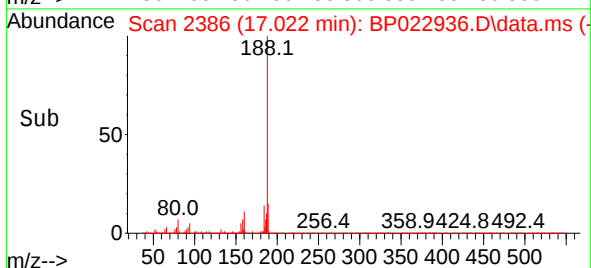
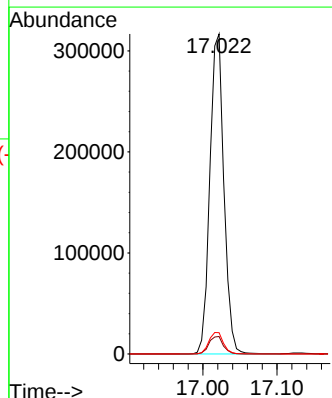
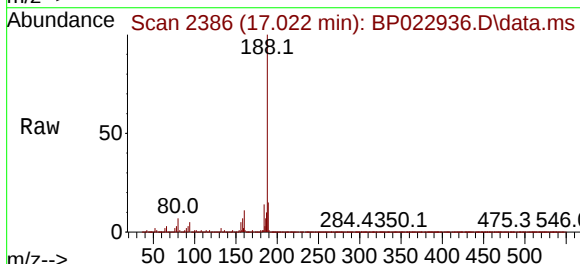
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

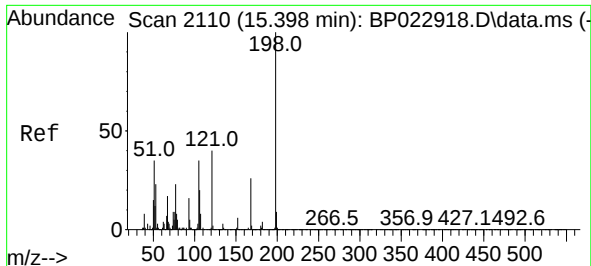
Tgt Ion: 77	Resp: 86255
Ion Ratio	Lower Upper
77 100	
182 29.6	9.9 49.9
105 18.7	0.0 39.9
51 31.1	10.5 50.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.022 min Scan# 2386
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 188	Resp: 417330
Ion Ratio	Lower Upper
188 100	
94 5.5	4.8 7.2
80 6.6	5.9 8.9





#65

4,6-Dinitro-2-methylphenol

Concen: 6.889 ng

RT: 15.410 min Scan# 2112

Delta R.T. 0.012 min

Lab File: BP022936.D

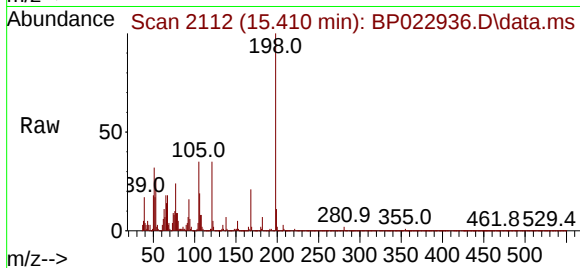
Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



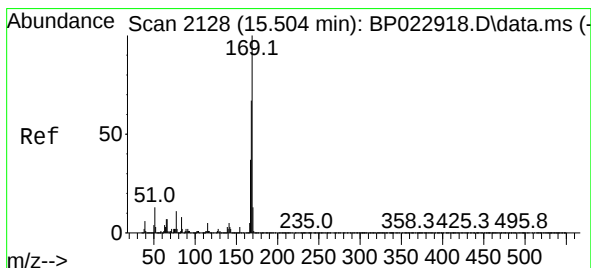
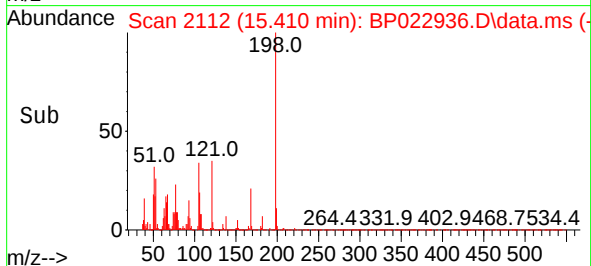
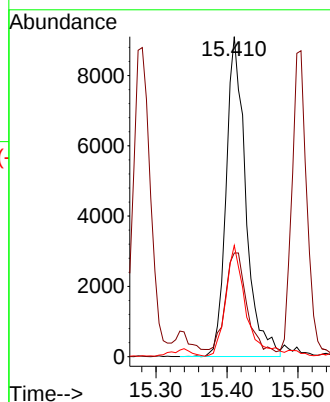
Tgt Ion:198 Resp: 17492

Ion Ratio Lower Upper

198 100

51 32.4 17.4 57.4

105 34.8 15.4 55.4



#66

n-Nitrosodiphenylamine

Concen: 8.108 ng

RT: 15.504 min Scan# 2128

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

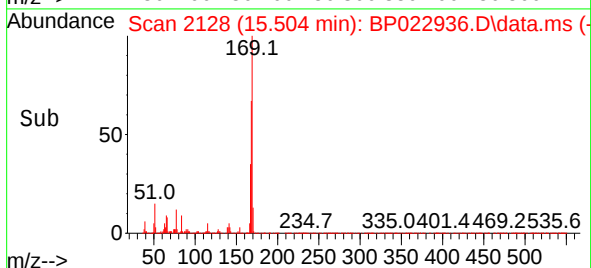
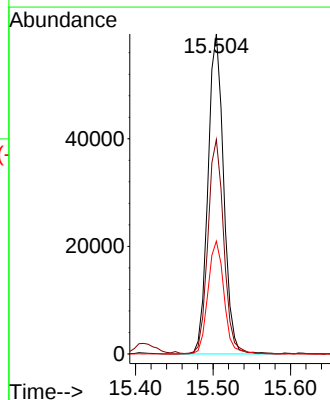
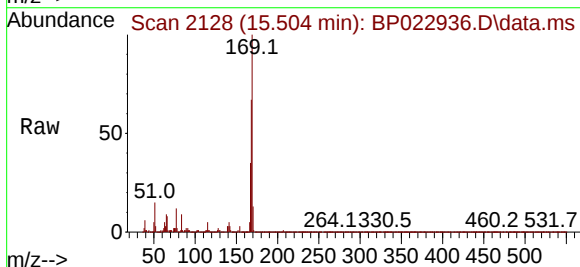
Tgt Ion:169 Resp: 83659

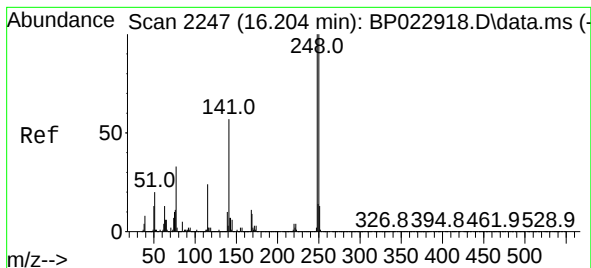
Ion Ratio Lower Upper

169 100

168 67.0 53.9 80.9

167 35.2 29.4 44.0

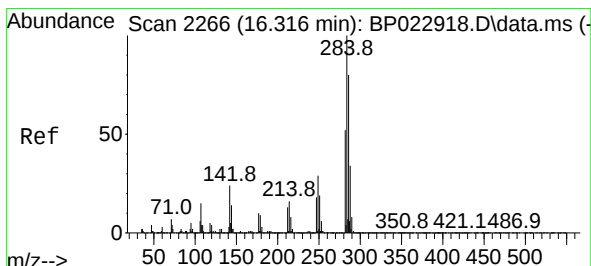
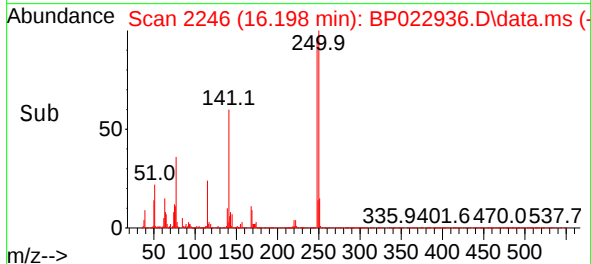
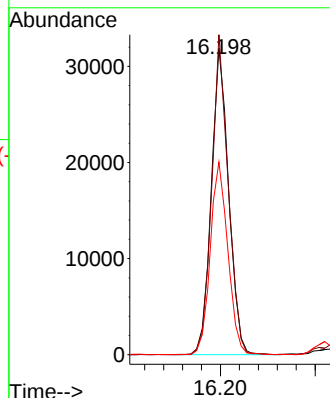
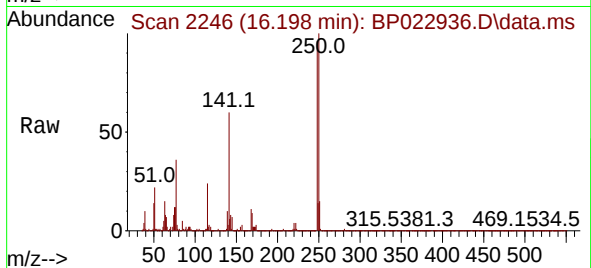




#67
4-Bromophenyl-phenylether
Concen: 8.116 ng
RT: 16.198 min Scan# 2246
Delta R.T. -0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

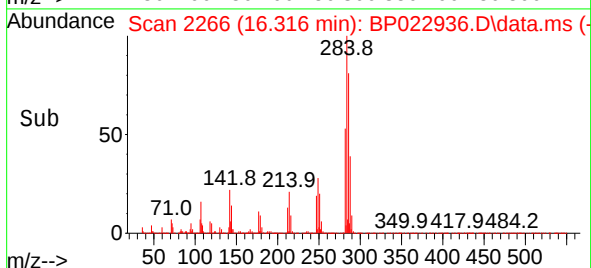
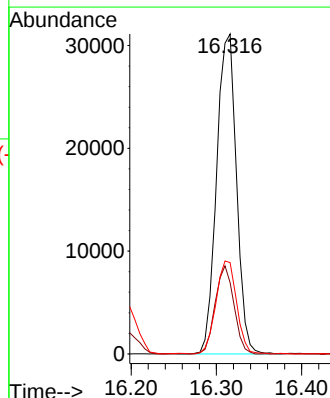
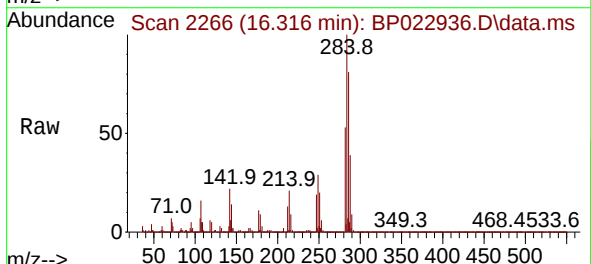
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

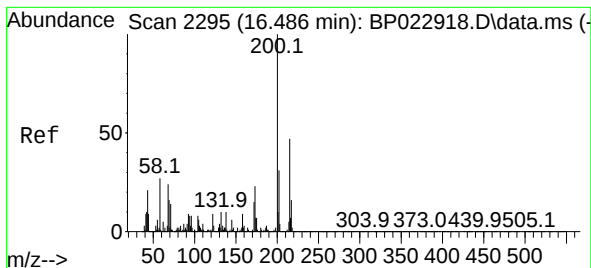
Tgt Ion:248 Resp: 40624
Ion Ratio Lower Upper
248 100
250 104.4 79.8 119.6
141 62.8 45.2 67.8



#68
Hexachlorobenzene
Concen: 7.853 ng
RT: 16.316 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:284 Resp: 50348
Ion Ratio Lower Upper
284 100
142 22.3 19.0 28.4
249 28.5 23.0 34.6





#69

Atrazine

Concen: 10.181 ng

RT: 16.487 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

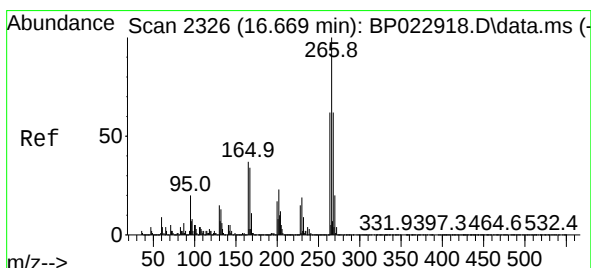
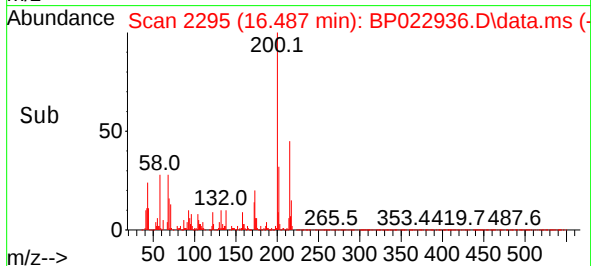
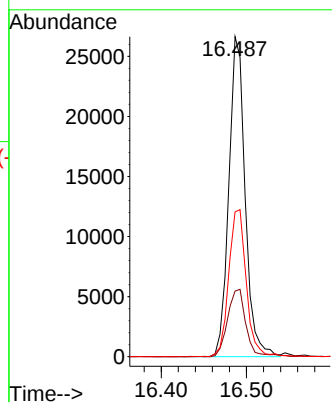
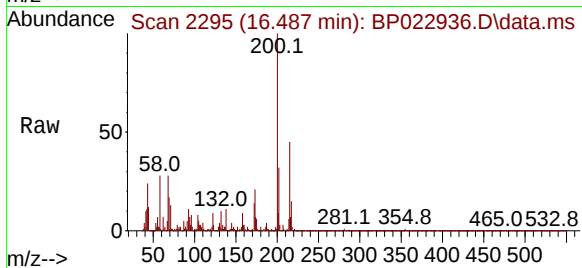
Tgt Ion:200 Resp: 35408

Ion Ratio Lower Upper

200 100

173 20.5 2.7 42.7

215 45.2 27.1 67.1



#70

Pentachlorophenol

Concen: 6.785 ng

RT: 16.675 min Scan# 2327

Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

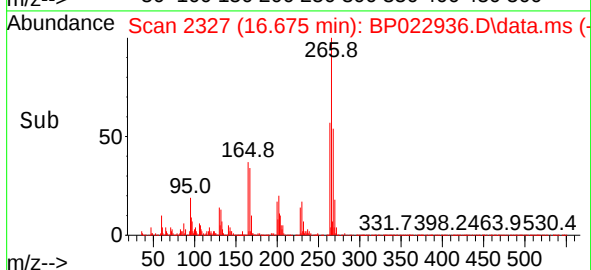
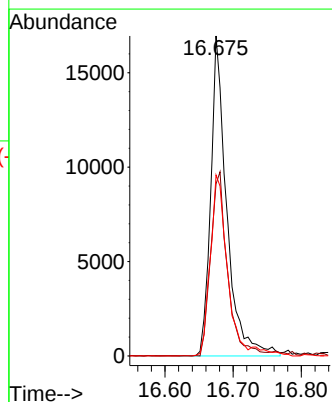
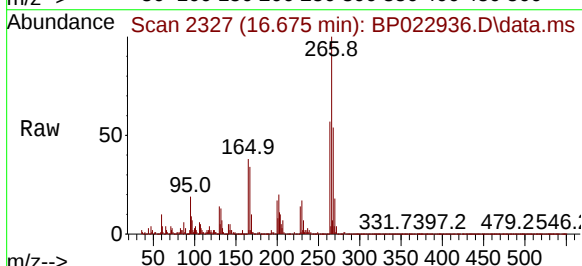
Tgt Ion:266 Resp: 27779

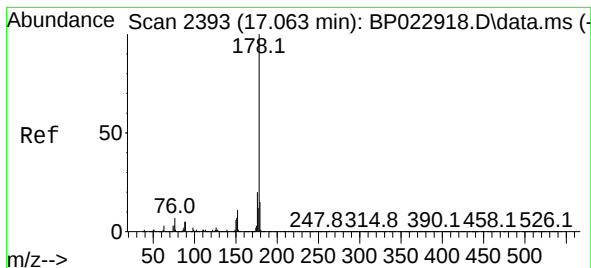
Ion Ratio Lower Upper

266 100

268 53.7 49.9 74.9

264 56.5 49.7 74.5





#71

Phenanthrene

Concen: 8.288 ng

RT: 17.063 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

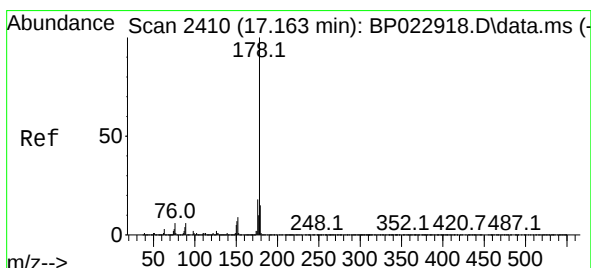
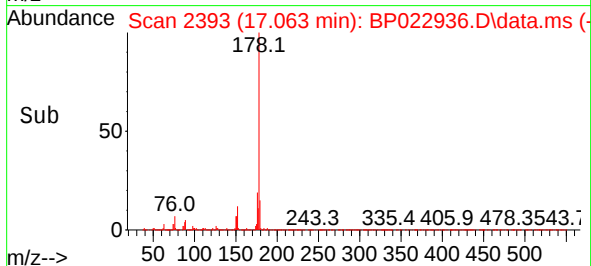
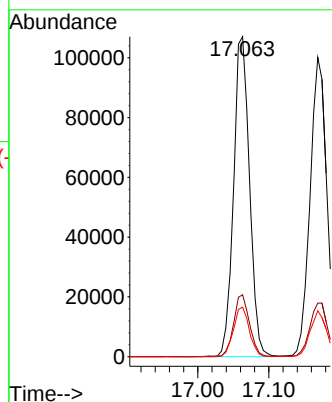
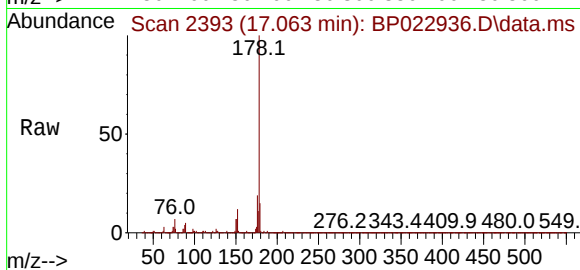
Tgt Ion:178 Resp: 167382

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

179 15.5 12.0 18.0



#72

Anthracene

Concen: 8.684 ng

RT: 17.169 min Scan# 2411

Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

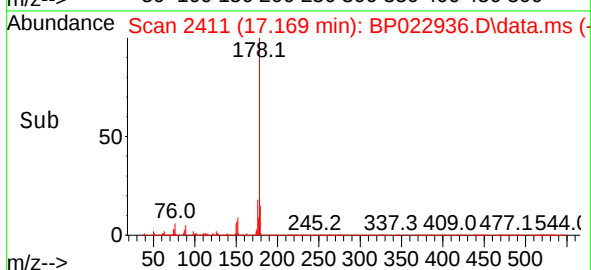
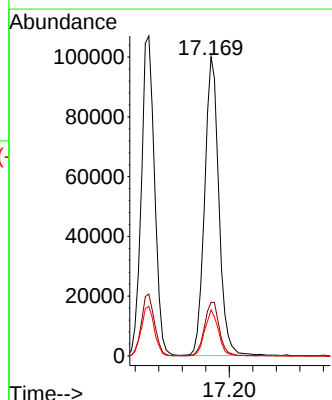
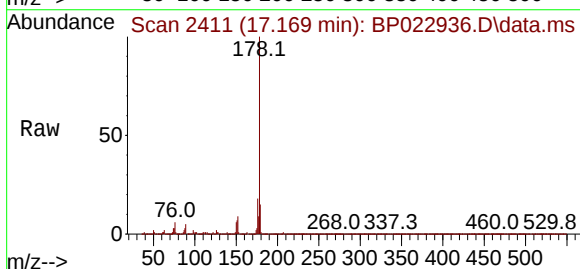
Tgt Ion:178 Resp: 168329

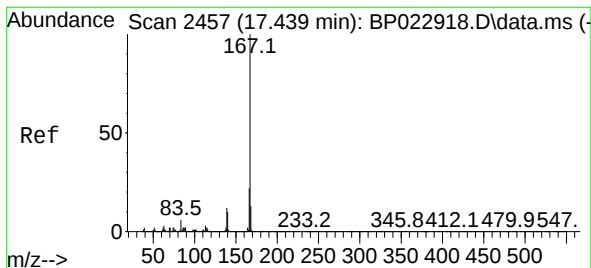
Ion Ratio Lower Upper

178 100

176 17.9 14.6 22.0

179 15.3 12.3 18.5





#73

Carbazole

Concen: 7.861 ng

RT: 17.451 min Scan# 2459

Delta R.T. 0.012 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

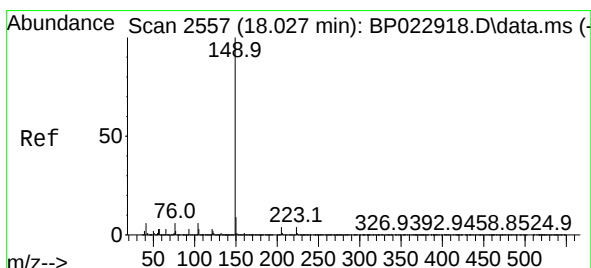
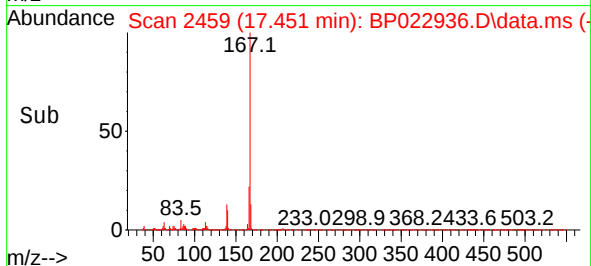
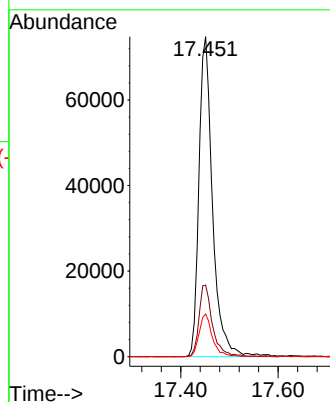
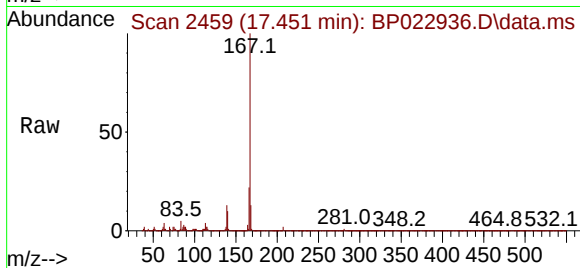
Tgt Ion:167 Resp: 145518

Ion Ratio Lower Upper

167 100

166 22.4 17.4 26.2

139 13.4 10.0 15.0



#74

Di-n-butylphthalate

Concen: 7.658 ng

RT: 18.028 min Scan# 2557

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

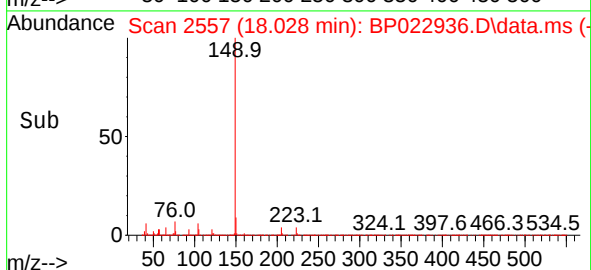
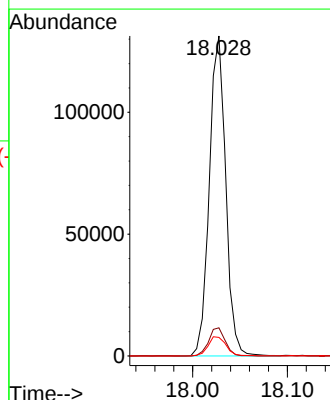
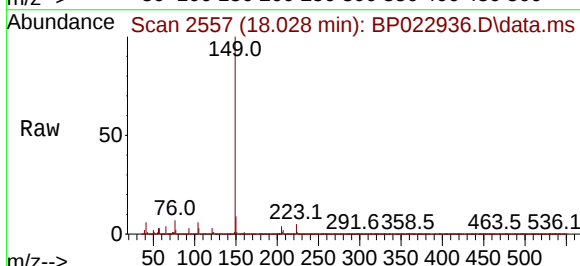
Tgt Ion:149 Resp: 158002

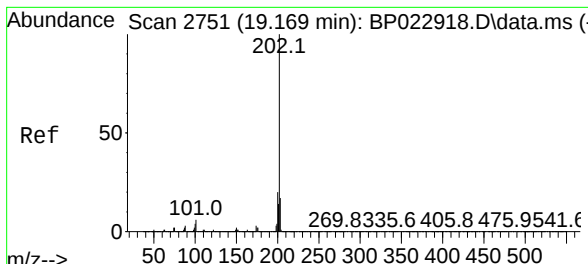
Ion Ratio Lower Upper

149 100

150 8.8 7.2 10.8

104 5.8 4.8 7.2

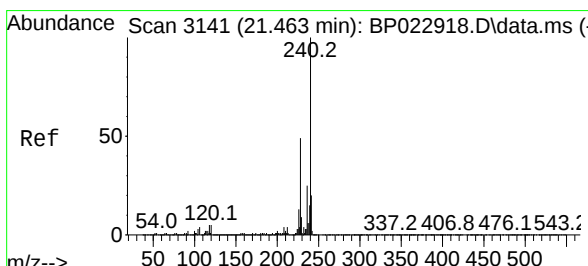
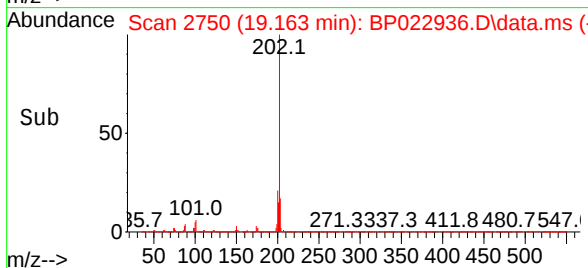
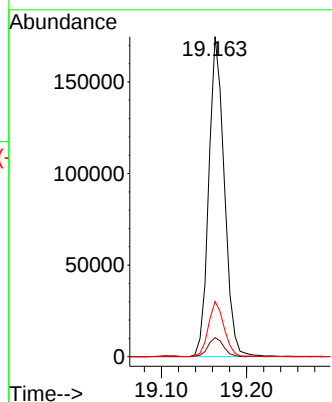
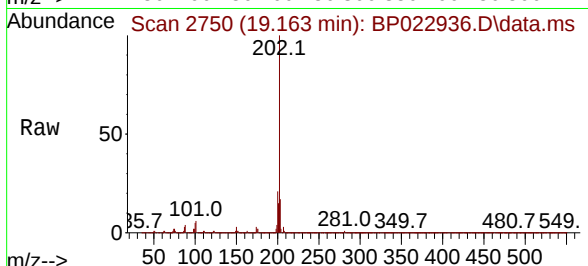




#75
Fluoranthene
Concen: 7.910 ng
RT: 19.163 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

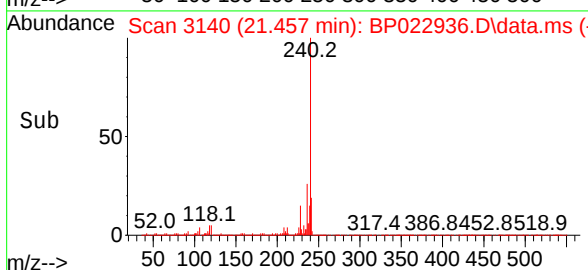
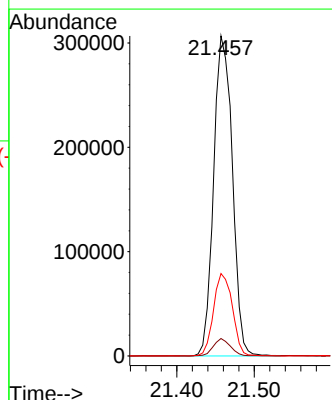
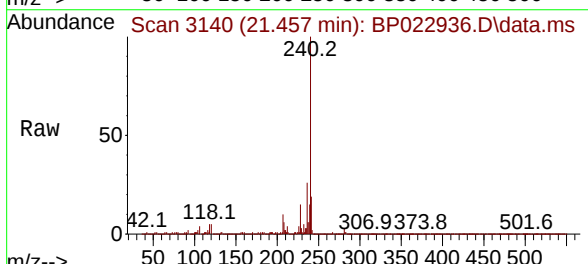
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

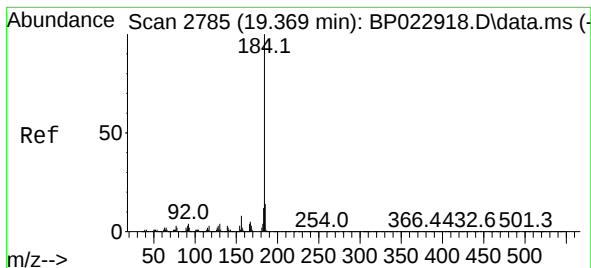
Tgt Ion:	202	Resp:	221614
Ion	Ratio	Lower	Upper
202	100		
101	6.0	0.0	25.5
203	17.3	0.0	37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3140
Delta R.T. -0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:	240	Resp:	515124
Ion	Ratio	Lower	Upper
240	100		
120	5.5	4.2	6.2
236	25.7	20.4	30.6





#77

Benzidine

Concen: 9.698 ng

RT: 19.375 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

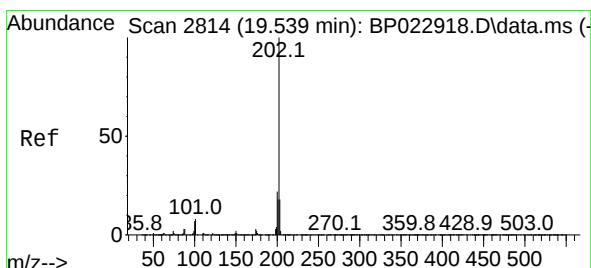
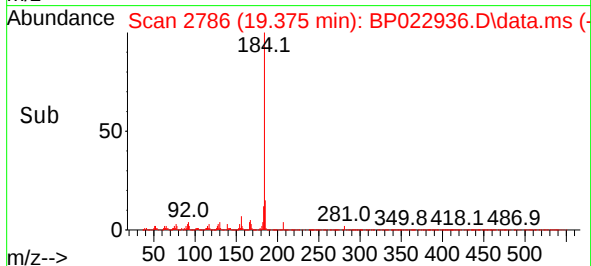
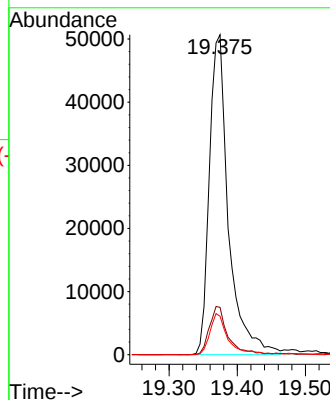
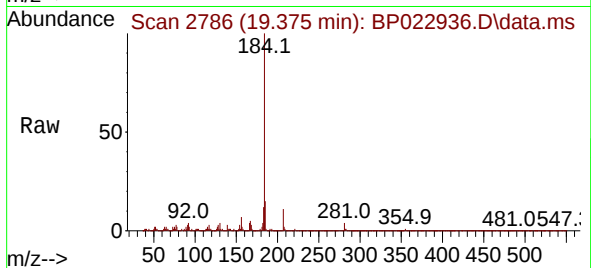
Tgt Ion:184 Resp: 98710

Ion Ratio Lower Upper

184 100

185 14.8 11.3 16.9

183 12.0 9.7 14.5



#78

Pyrene

Concen: 7.779 ng

RT: 19.545 min Scan# 2815

Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

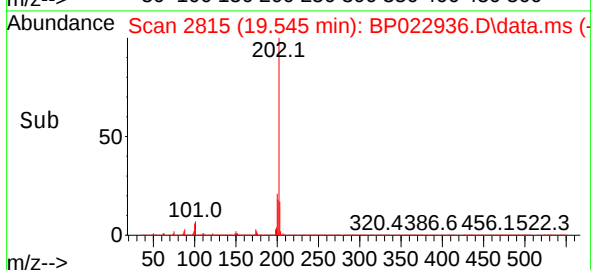
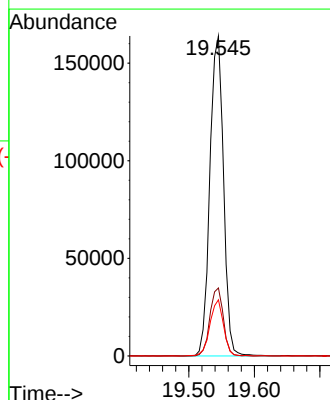
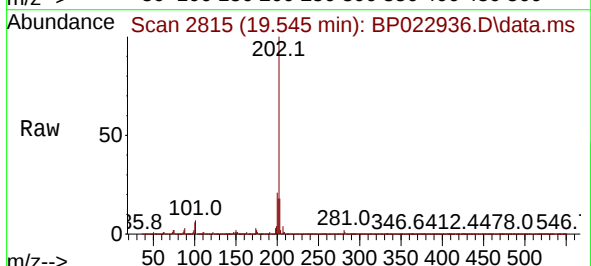
Tgt Ion:202 Resp: 237179

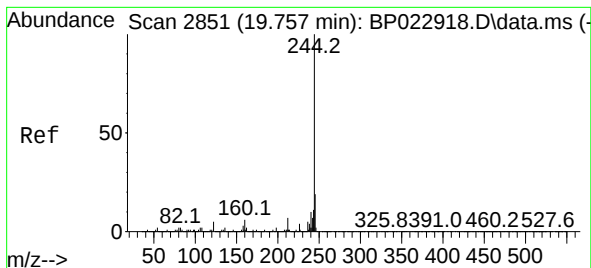
Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.0

203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 88.985 ng

RT: 19.757 min Scan# 2851

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

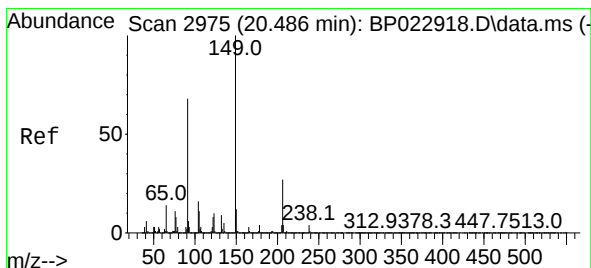
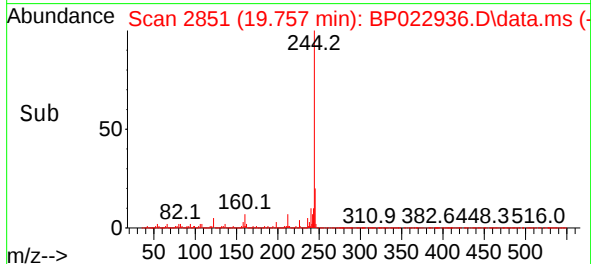
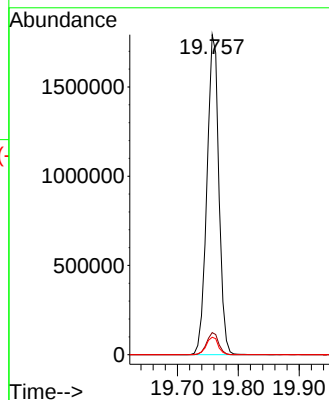
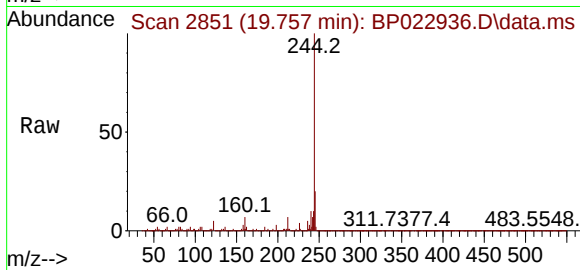
Tgt Ion:244 Resp: 2440770

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 5.4 4.4 6.6



#80

Butylbenzylphthalate

Concen: 7.323 ng

RT: 20.486 min Scan# 2975

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

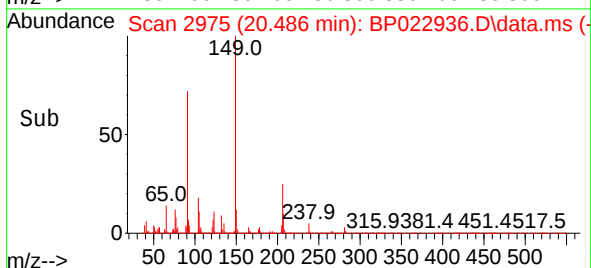
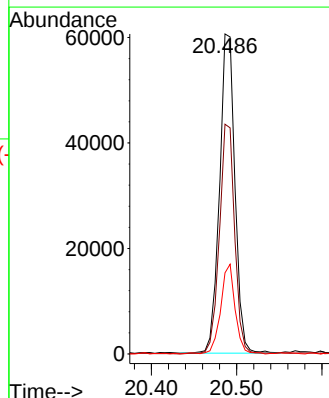
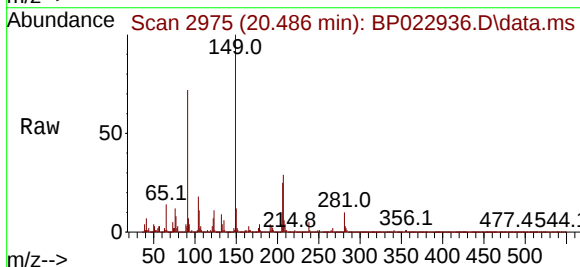
Tgt Ion:149 Resp: 76133

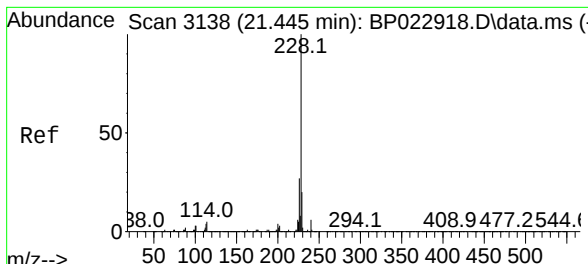
Ion Ratio Lower Upper

149 100

91 71.8 54.6 82.0

206 25.3 21.3 31.9



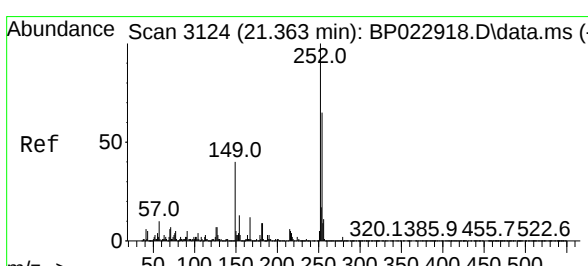
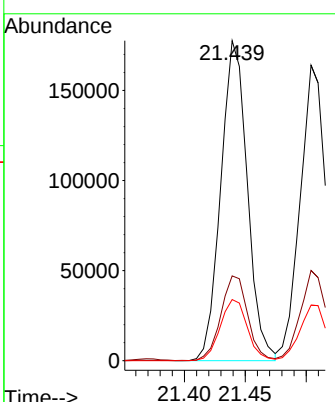
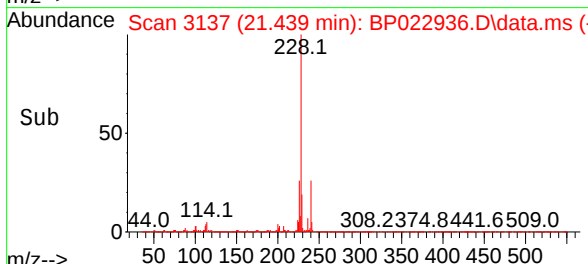
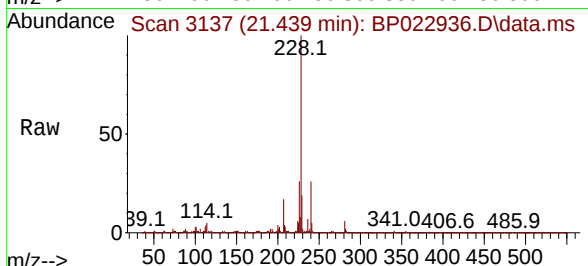


#81
 Benzo(a)anthracene
 Concen: 8.414 ng
 RT: 21.439 min Scan# 3137
 Delta R.T. -0.006 min
 Lab File: BP022936.D
 Acq: 08 Nov 2024 16:10

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

Tgt Ion: 228 Resp: 269720

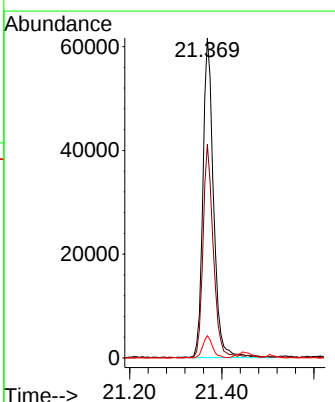
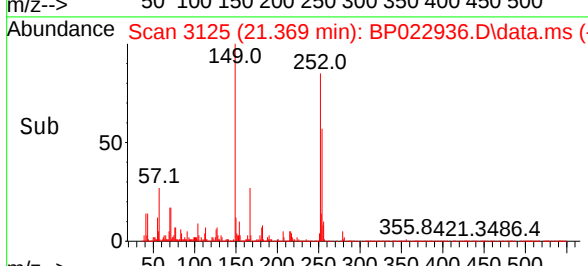
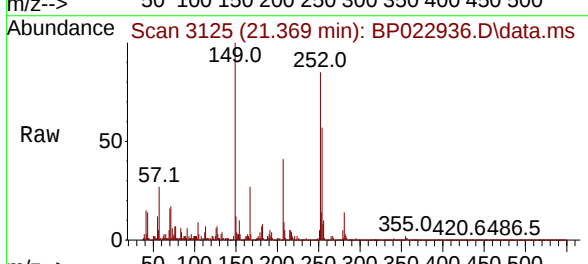
Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.8	32.6
229	19.1	16.0	24.0

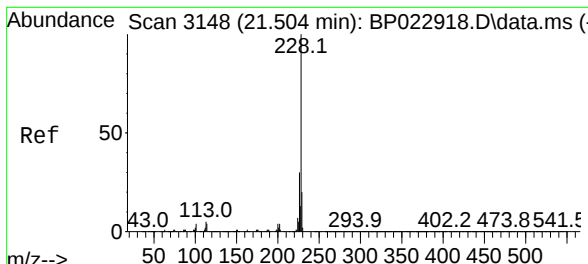


#82
 3,3'-Dichlorobenzidine
 Concen: 7.691 ng
 RT: 21.369 min Scan# 3125
 Delta R.T. 0.006 min
 Lab File: BP022936.D
 Acq: 08 Nov 2024 16:10

Tgt Ion: 252 Resp: 99795

Ion	Ratio	Lower	Upper
252	100		
254	66.8	51.7	77.5
126	7.0	5.4	8.0

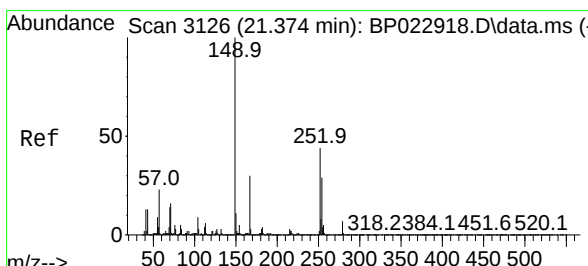
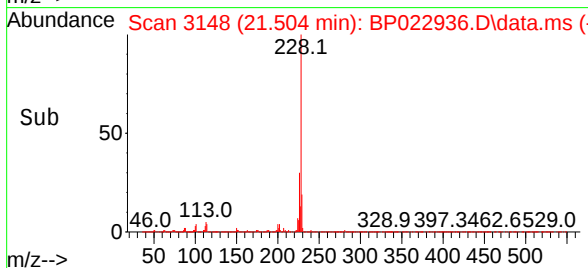
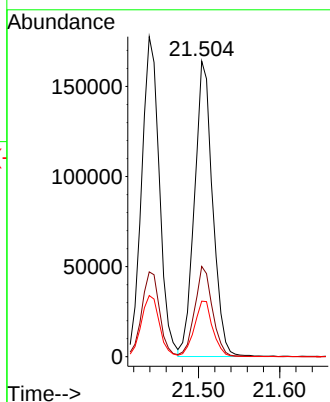
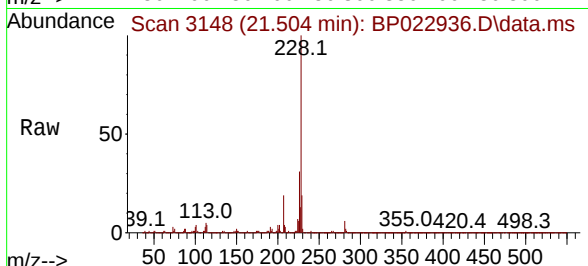




#83
 Chrysene
 Concen: 8.490 ng
 RT: 21.504 min Scan# 3148
 Delta R.T. 0.000 min
 Lab File: BP022936.D
 Acq: 08 Nov 2024 16:10

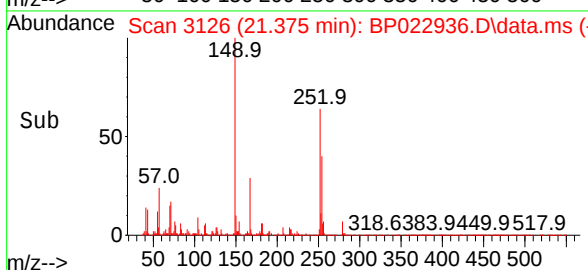
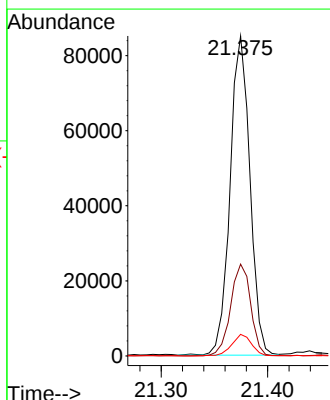
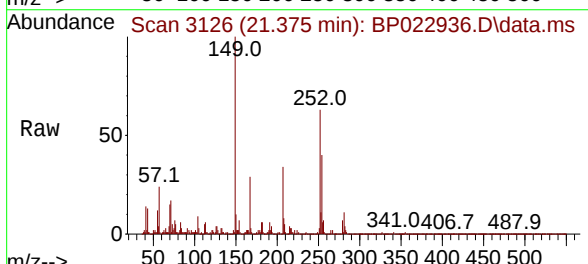
Instrument : BNA_P
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

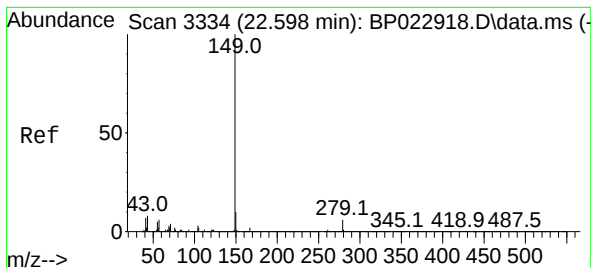
Tgt Ion:	228	Resp:	254924
Ion Ratio	Lower	Upper	
228	100		
226	30.5	23.8	35.6
229	18.8	15.8	23.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 7.381 ng
 RT: 21.375 min Scan# 3126
 Delta R.T. 0.000 min
 Lab File: BP022936.D
 Acq: 08 Nov 2024 16:10

Tgt Ion:	149	Resp:	110124
Ion Ratio	Lower	Upper	
149	100		
167	28.7	23.7	35.5
279	6.8	5.3	7.9





#85

Di-n-octyl phthalate

Concen: 7.528 ng

RT: 22.598 min Scan# 3334

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

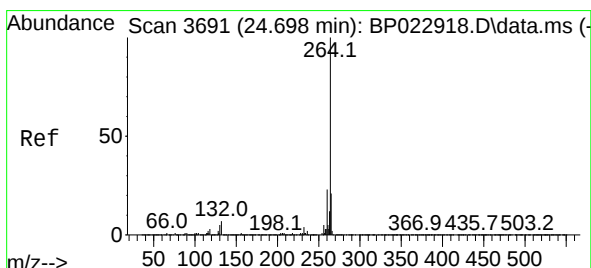
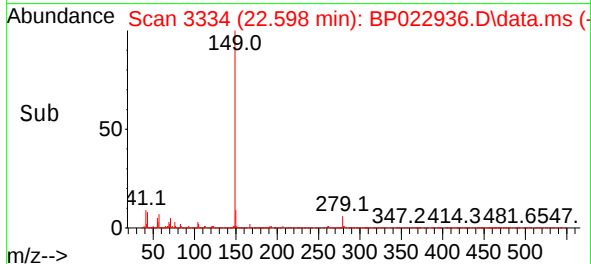
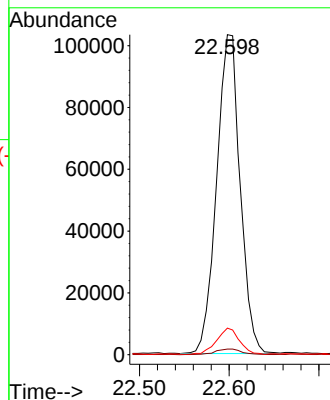
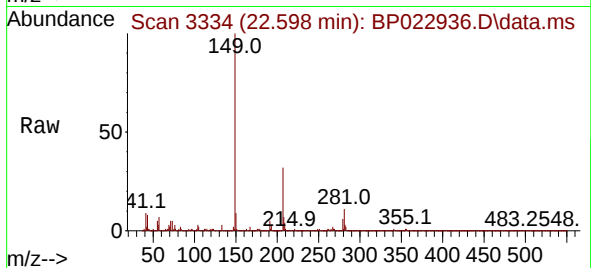
Tgt Ion:149 Resp: 187688

Ion Ratio Lower Upper

149 100

167 2.0 1.4 2.0

43 7.8 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.698 min Scan# 3691

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

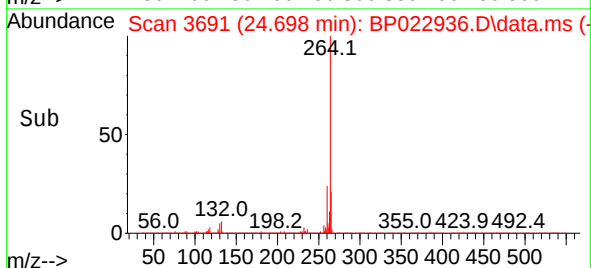
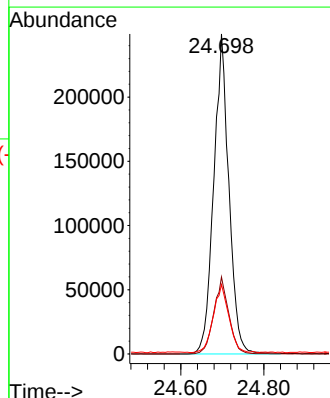
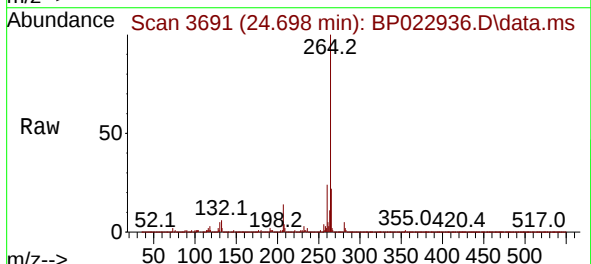
Tgt Ion:264 Resp: 630683

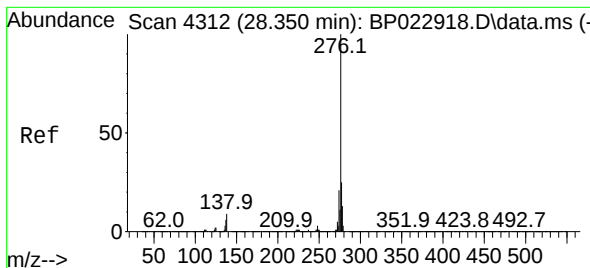
Ion Ratio Lower Upper

264 100

260 24.1 18.6 28.0

265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.434 ng

RT: 28.357 min Scan# 41

Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

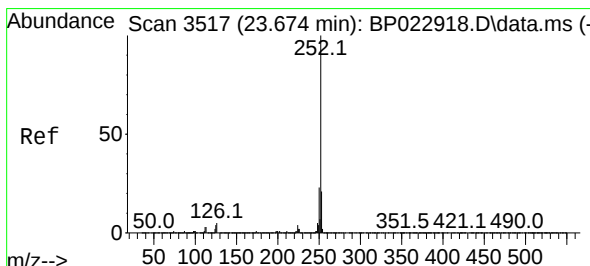
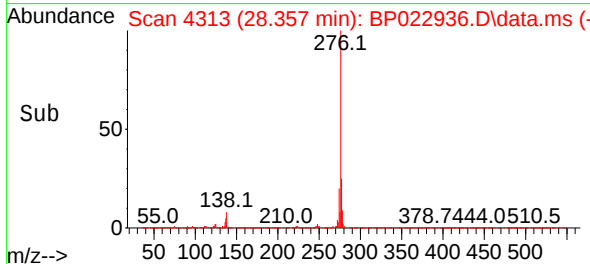
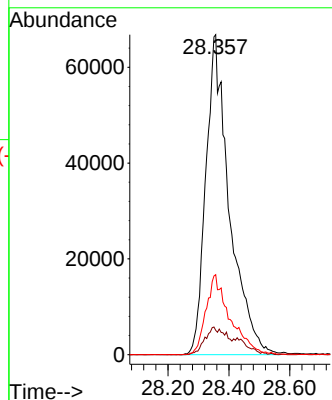
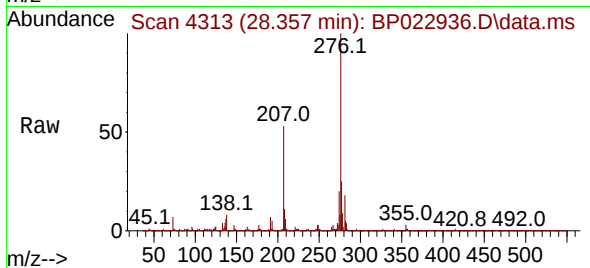
Tgt Ion:276 Resp: 358772

Ion Ratio Lower Upper

276 100

138 4.6 8.7 13.1#

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 8.099 ng

RT: 23.669 min Scan# 3516

Delta R.T. -0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

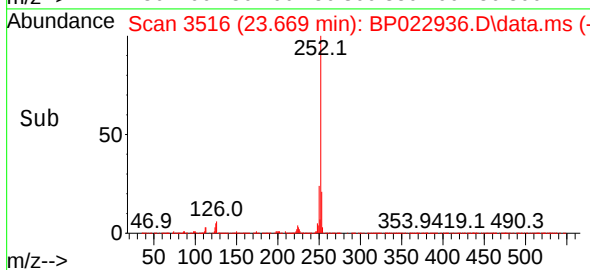
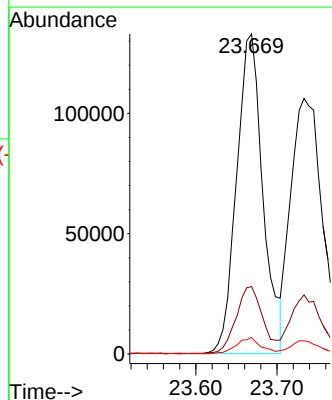
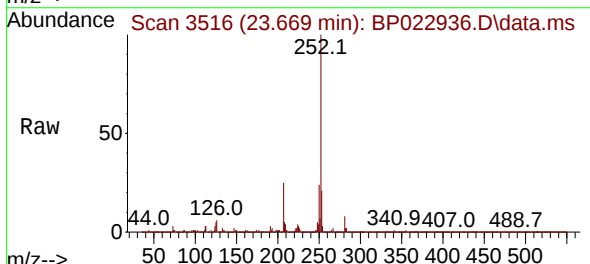
Tgt Ion:252 Resp: 300109

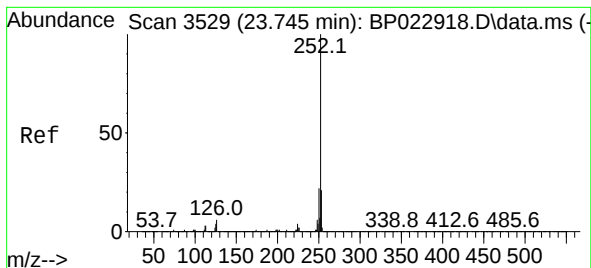
Ion Ratio Lower Upper

252 100

253 21.1 16.8 25.2

125 5.1 3.2 4.8#





#89

Benzo(k)fluoranthene

Concen: 8.163 ng

RT: 23.733 min Scan# 3529

Delta R.T. -0.012 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

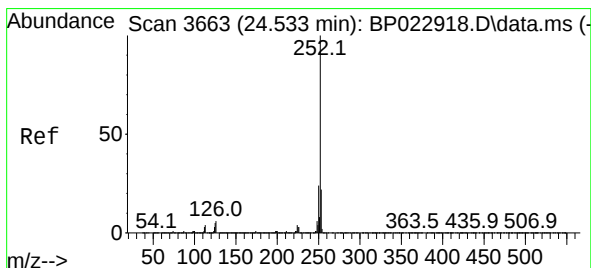
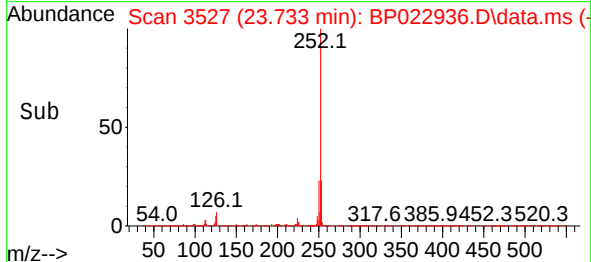
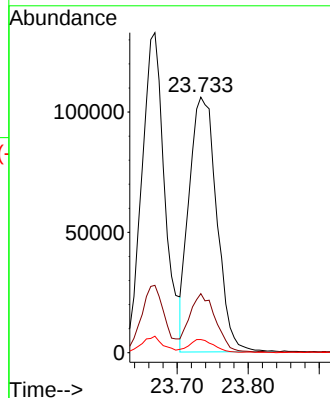
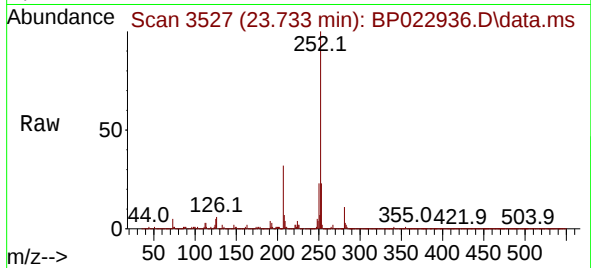
Tgt Ion:252 Resp: 285601

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

125 5.1 3.4 5.2



#90

Benzo(a)pyrene

Concen: 8.490 ng

RT: 24.533 min Scan# 3663

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

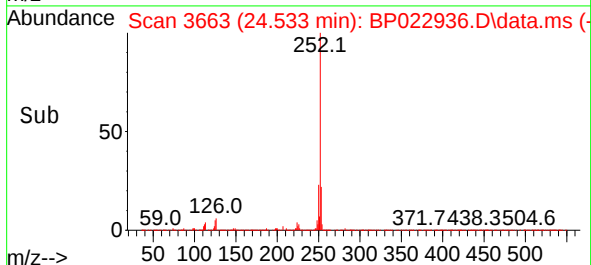
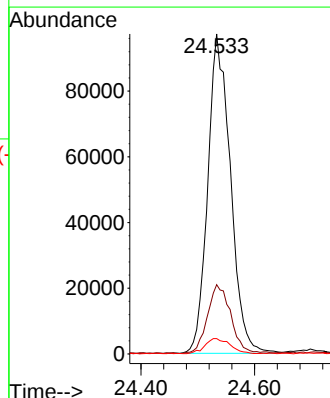
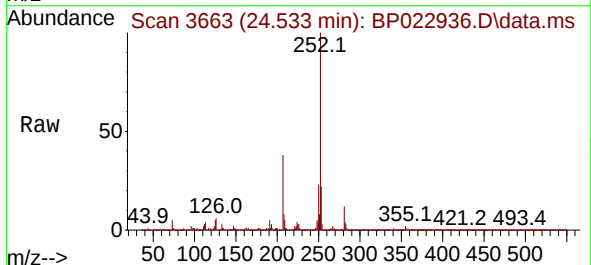
Tgt Ion:252 Resp: 269175

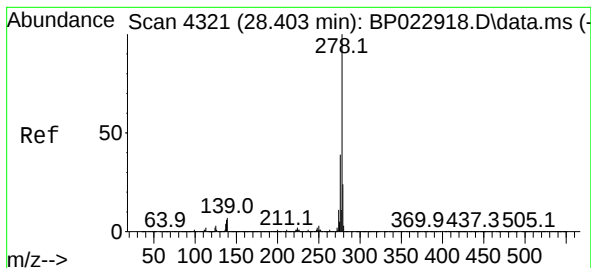
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 4.8 4.0 6.0





#91

Dibenzo(a,h)anthracene

Concen: 8.378 ng

RT: 28.433 min Scan# 41

Delta R.T. 0.030 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

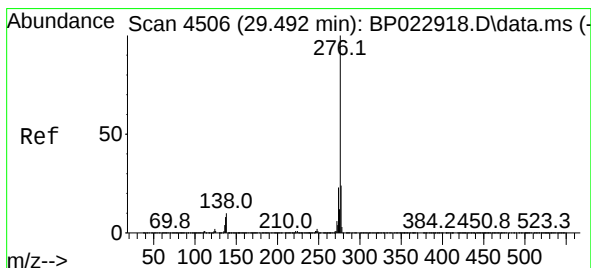
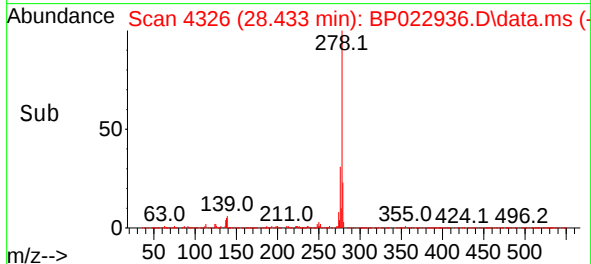
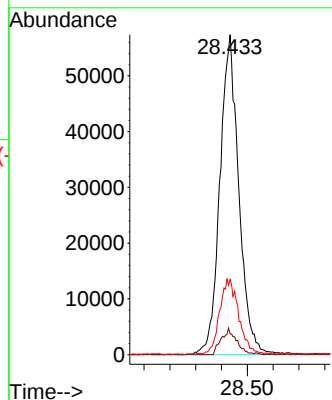
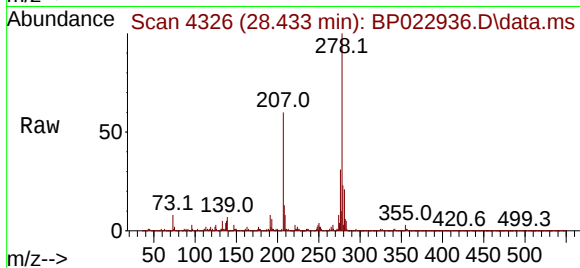
Tgt Ion:278 Resp: 292253

Ion Ratio Lower Upper

278 100

139 6.5 5.4 8.2

279 23.5 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 7.638 ng

RT: 29.492 min Scan# 4506

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Tgt Ion:276 Resp: 273009

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 9.8 7.6 11.4

