

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP053024\
 Data File : BP020482.D
 Acq On : 30 May 2024 11:31
 Operator : MA/JU
 Sample : P2252-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: May 30 11:58:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 03:41:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.757	152	213593	20.000	ng	-0.01
21) Naphthalene-d8	10.534	136	760803	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	426086	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	801210	20.000	ng	0.00
76) Chrysene-d12	21.651	240	779258	20.000	ng	-0.02
86) Perylene-d12	25.009	264	943346	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1358289	113.859	ng	-0.01
7) Phenol-d6	6.916	99	1769404	105.173	ng	-0.02
23) Nitrobenzene-d5	8.899	82	1109342	79.818	ng	-0.02
42) 2,4,6-Tribromophenol	15.904	330	496369	112.251	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	2408517	84.266	ng	0.00
79) Terphenyl-d14	19.927	244	3518941	75.175	ng	-0.02
Target Compounds						Qvalue
6) Aniline	7.322	93	70753	4.150	ng	# 1
8) 2-Chlorophenol	7.322	128	3081844	230.453	ng	100
11) bis(2-Chloroethyl)ether	7.322	93	70772	4.980	ng	# 1
12) 1,3-Dichlorobenzene	7.793	146	1343437	85.265	ng	99
13) 1,4-Dichlorobenzene	7.793	146	1343437	83.891	ng	98
14) 1,2-Dichlorobenzene	8.104	146	1712771	110.824	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.275	45	1494750	70.449	ng	100
18) Hexachloroethane	8.822	117	214297	36.648	ng	98
24) Nitrobenzene	8.951	77	3670731	260.238	ng	99
25) Isophorone	9.469	82	2508674	92.900	ng	100
26) 2-Nitrophenol	9.646	139	752118	127.938	ng	99
27) 2,4-Dimethylphenol	9.646	122	49479	6.065	ng	# 8
29) 2,4-Dichlorophenol	10.175	162	1695278	154.893	ng	98
30) 1,2,4-Trichlorobenzene	10.393	180	3098877	238.497	ng	98
32) Benzoic acid	9.646	122	49479	12.321	ng	# 7
34) Hexachlorobutadiene	10.863	225	926727	113.225	ng	98
36) 4-Chloro-3-methylphenol	11.804	107	2258427	176.240	ng	99
37) 2-Methylnaphthalene	12.193	142	831544	29.837	ng	99
38) 1-Methylnaphthalene	12.193	142	831433	30.095	ng	96
43) 2,4,6-Trichlorophenol	12.792	196	988969	132.713	ng	99
44) 2,4,5-Trichlorophenol	12.792	196	988969	115.034	ng	# 92
47) 2-Chloronaphthalene	13.251	162	2779609	116.277	ng	99
49) Acenaphthylene	14.104	152	1676078	47.252	ng	100
50) Dimethylphthalate	13.851	163	4427732	147.422	ng	99
51) 2,6-Dinitrotoluene	13.851	165	50152	7.812	ng	# 10
52) Acenaphthene	14.451	154	768159	34.331	ng	99
54) 2,4-Dinitrophenol	14.481	184	10	4.978	ng	# 1
55) Dibenzofuran	14.798	168	2449273	69.102	ng	99
56) 4-Nitrophenol	14.598	139	735757	147.706	ng	98
58) Fluorene	15.457	166	4453377	156.511	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.010	232	257006	36.530	ng	99
60) Diethylphthalate	15.245	149	5061070	165.768	ng	100
62) 4-Nitroaniline	15.451	138	49949	7.530	ng	# 19
65) 4,6-Dinitro-2-methylph...	15.551	198	69	7.670	ng	# 1
67) 4-Bromophenyl-phenylether	16.381	248	1018004	124.195	ng	98
69) Atrazine	16.828	200	72687	9.379	ng	# 36

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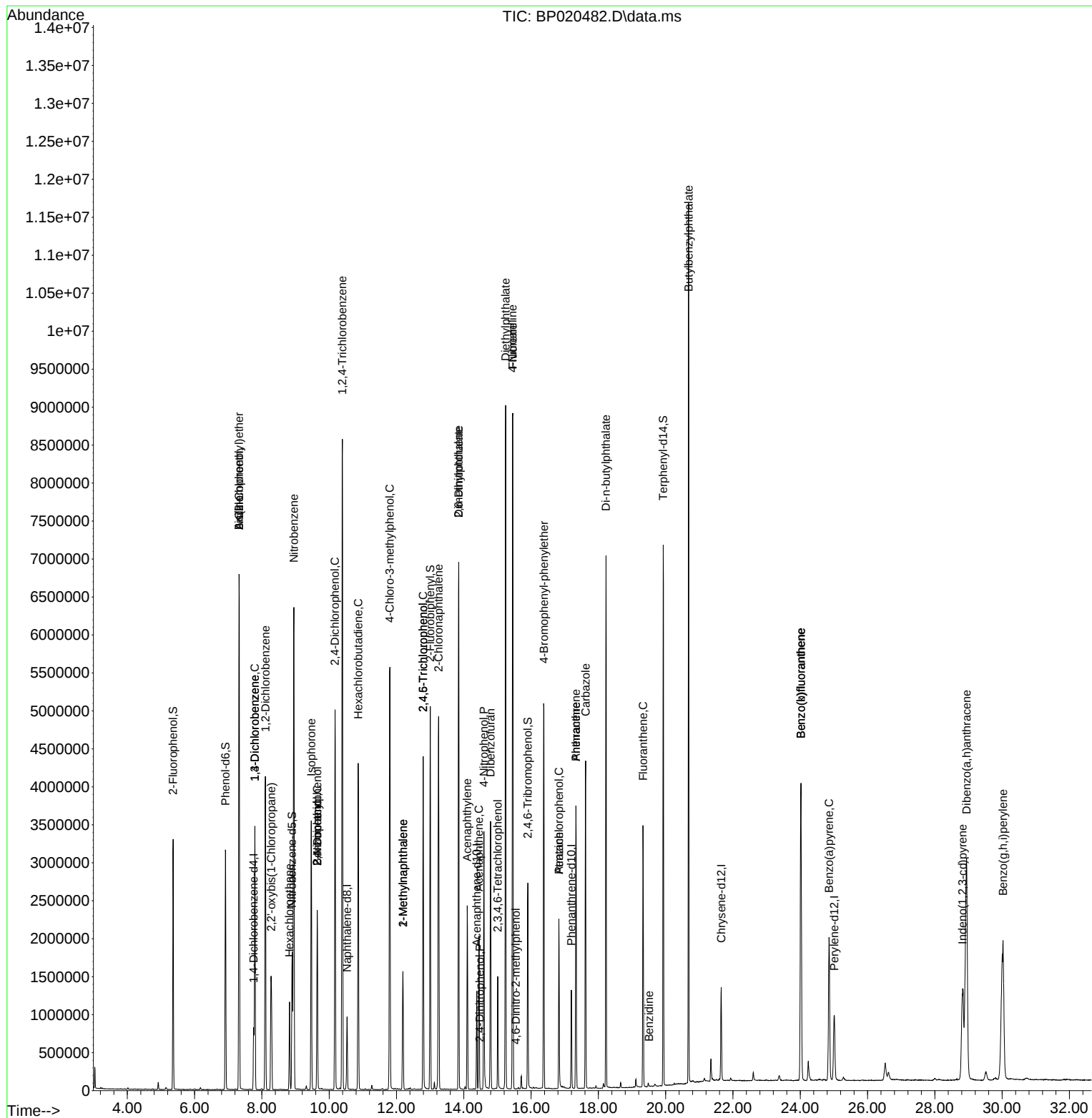
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Pentachlorophenol	16.828	266	369522	63.069	ng	99
71) Phenanthrene	17.333	178	2471296	62.747	ng	99
72) Anthracene	17.333	178	2471296	63.945	ng	99
73) Carbazole	17.622	167	2682773	71.765	ng	99
74) Di-n-butylphthalate	18.227	149	5034595	111.211	ng	100
75) Fluoranthene	19.327	202	2173405	46.645	ng	100
77) Benzidine	19.510	184	389	5.983	ng	# 14
80) Butylbenzylphthalate	20.680	149	3281231	134.396	ng	95
87) Indeno(1,2,3-cd)pyrene	28.827	276	2165788	37.755	ng	# 92
88) Benzo(b)fluoranthene	24.021	252	3875683	65.948	ng	100
89) Benzo(k)fluoranthene	24.021	252	3875683	67.616	ng	100
90) Benzo(a)pyrene	24.857	252	1967915	40.433	ng	99
91) Dibenzo(a,h)anthracene	28.945	278	5096838	106.524	ng	100
92) Benzo(g,h,i)perylene	30.027	276	3370951	70.485	ng	99

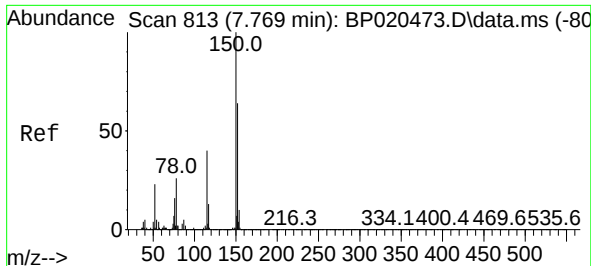
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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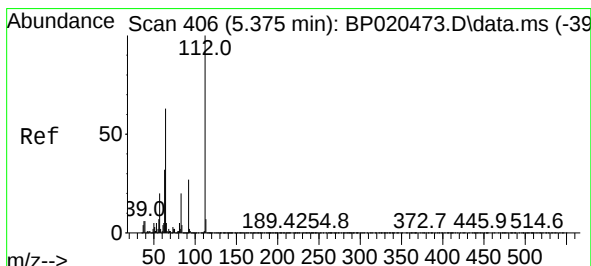
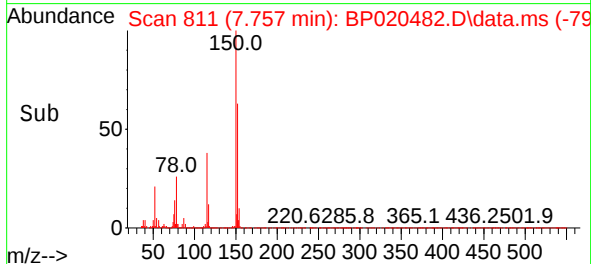
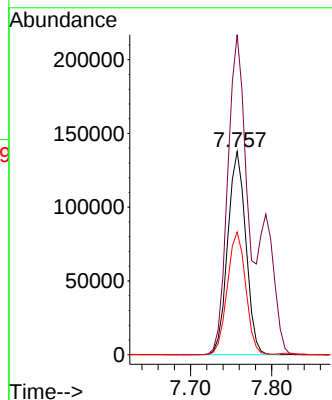
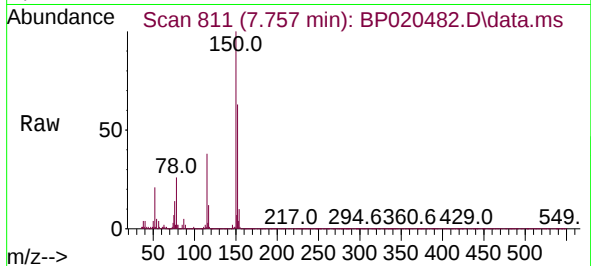




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.757 min Scan# 813
Delta R.T. -0.012 min
Lab File: BP020482.D
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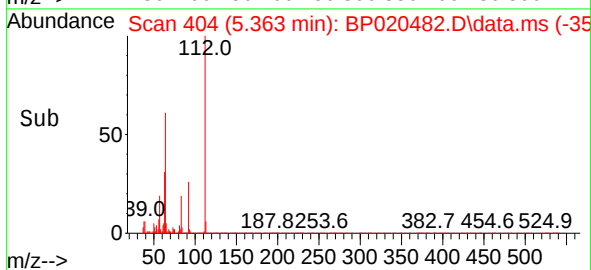
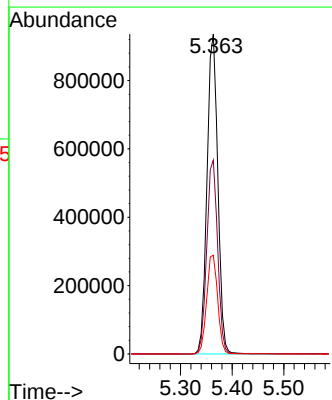
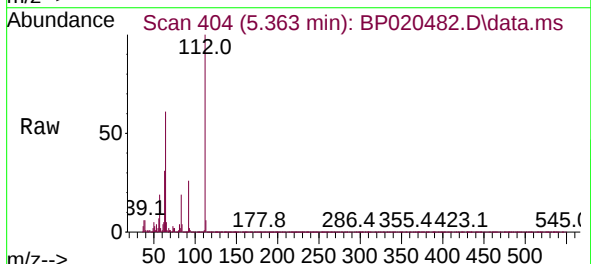
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOIL

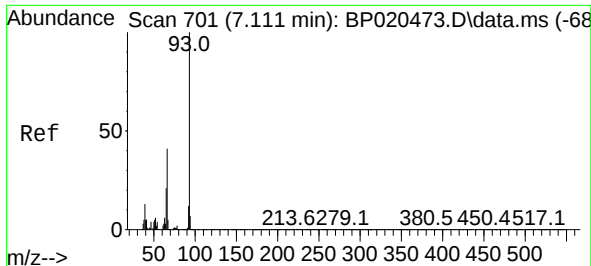
Tgt Ion:152 Resp: 213593
Ion Ratio Lower Upper
152 100
150 157.5 124.2 186.2
115 60.3 49.5 74.3



#5
2-Fluorophenol
Concen: 113.859 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.012 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion:112 Resp: 1358289
Ion Ratio Lower Upper
112 100
64 60.6 50.1 75.1
63 30.9 25.7 38.5

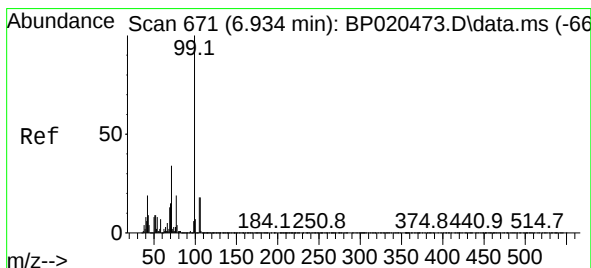
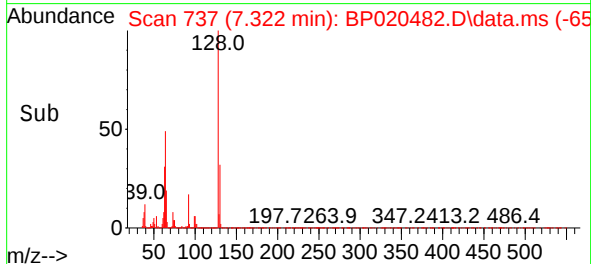
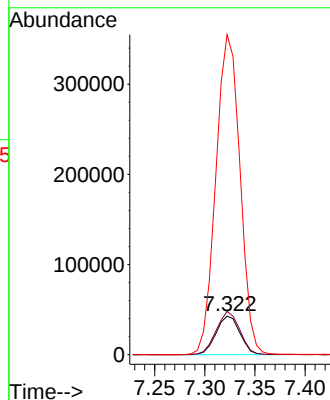
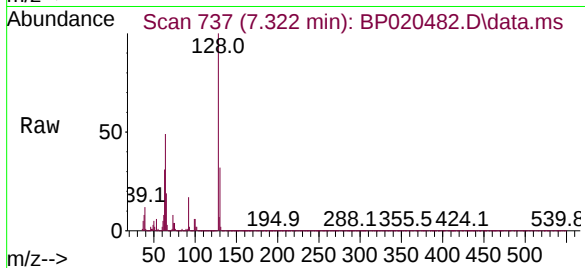




#6
Aniline
Concen: 4.150 ng
RT: 7.322 min Scan# 71
Delta R.T. 0.212 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

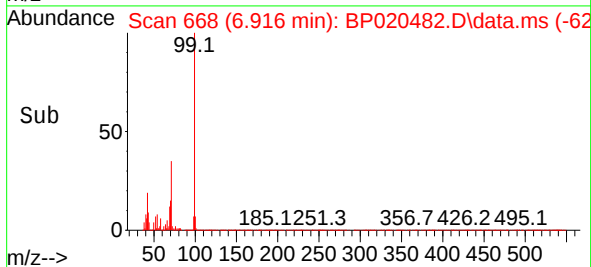
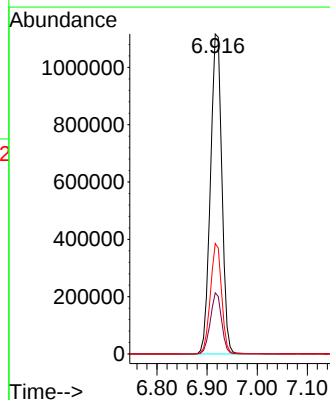
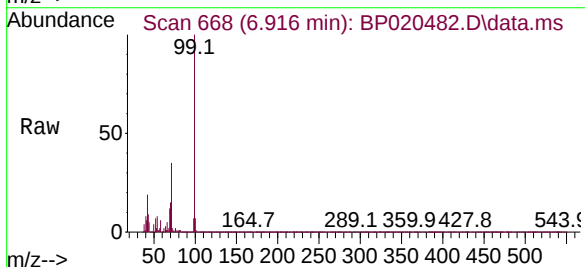
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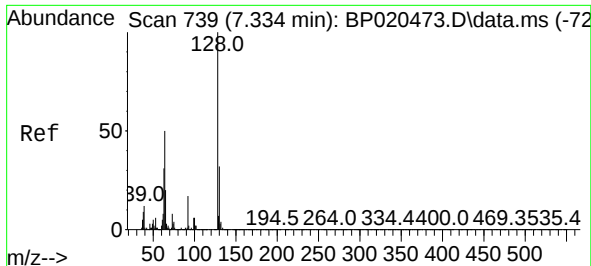
Tgt Ion: 93 Resp: 70753
Ion Ratio Lower Upper
93 100
66 111.9 32.8 49.2#
65 828.4 16.9 25.3#



#7
Phenol-d6
Concen: 105.173 ng
RT: 6.916 min Scan# 668
Delta R.T. -0.018 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion: 99 Resp: 1769404
Ion Ratio Lower Upper
99 100
42 19.1 15.0 22.4
71 34.5 27.3 40.9

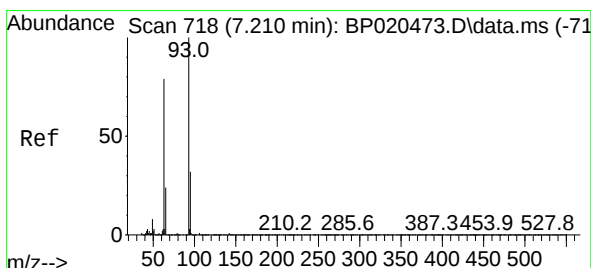
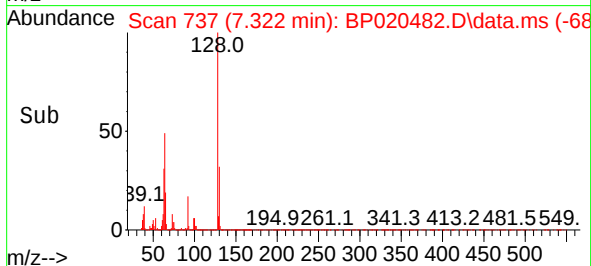
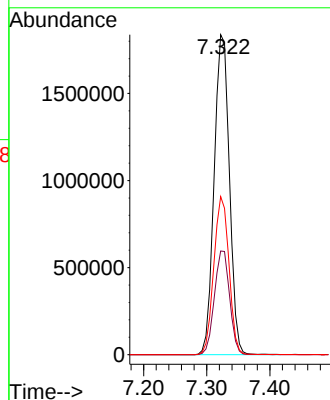
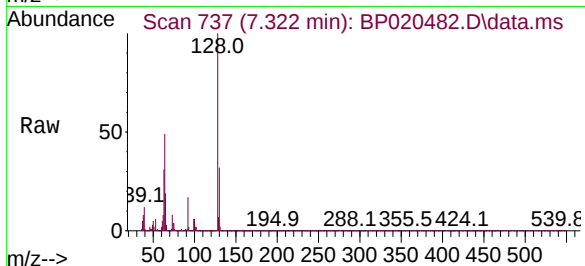




#8
2-Chlorophenol
Concen: 230.453 ng
RT: 7.322 min Scan# 737
Delta R.T. -0.012 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

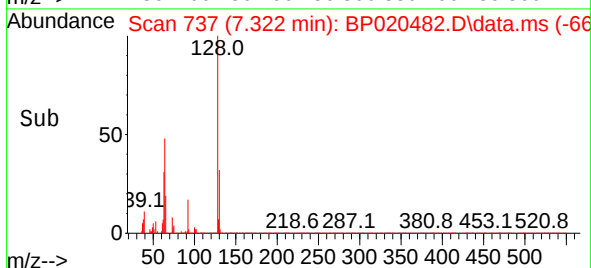
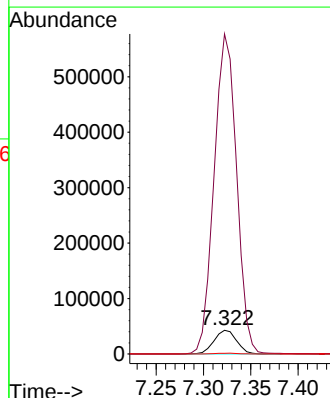
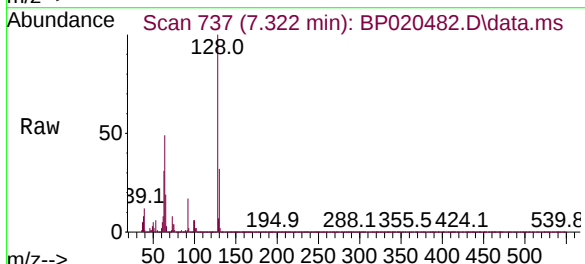
Instrument :
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PT-BNA-SOIL

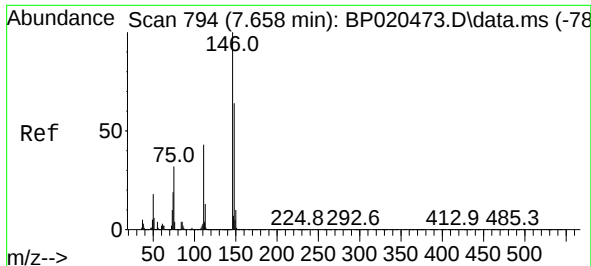
Tgt Ion:128 Resp: 3081844
Ion Ratio Lower Upper
128 100
130 32.4 12.4 52.4
64 49.4 29.6 69.6



#11
bis(2-Chloroethyl)ether
Concen: 4.980 ng
RT: 7.322 min Scan# 737
Delta R.T. 0.112 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion: 93 Resp: 70772
Ion Ratio Lower Upper
93 100
63 1347.1 58.3 98.3#
95 2.6 12.3 52.3#

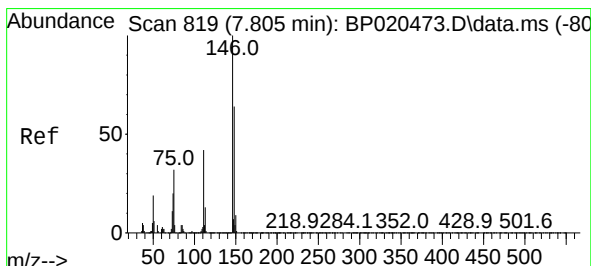
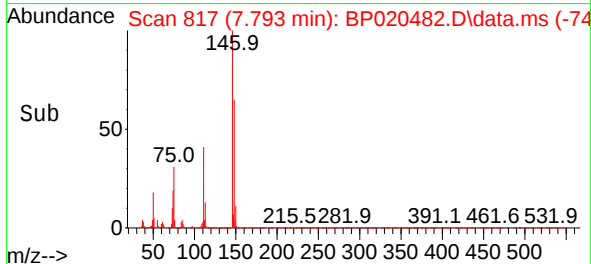
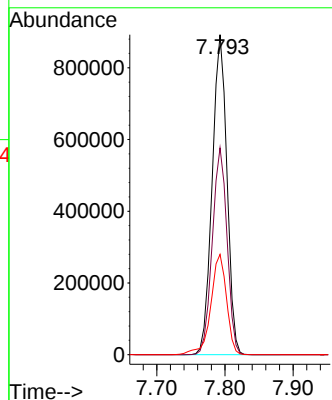
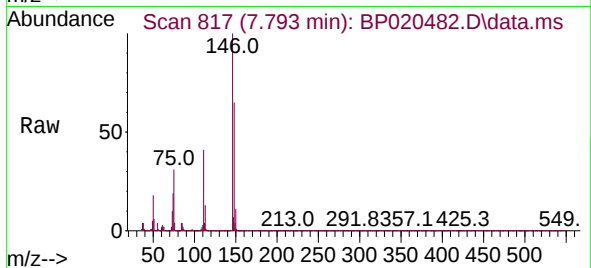




#12
1,3-Dichlorobenzene
Concen: 85.265 ng
RT: 7.793 min Scan# 817
Delta R.T. 0.135 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

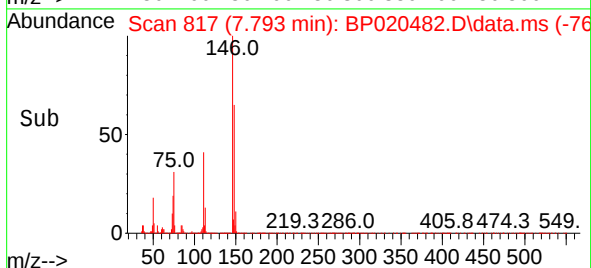
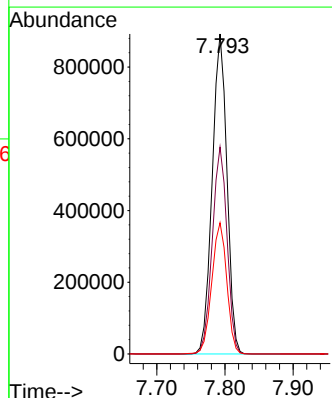
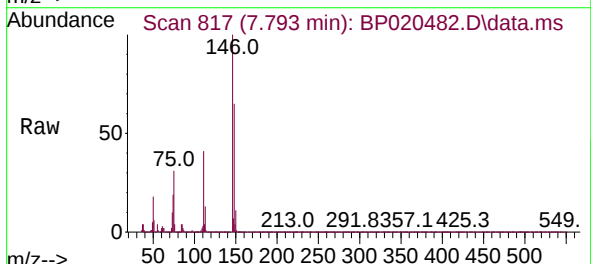
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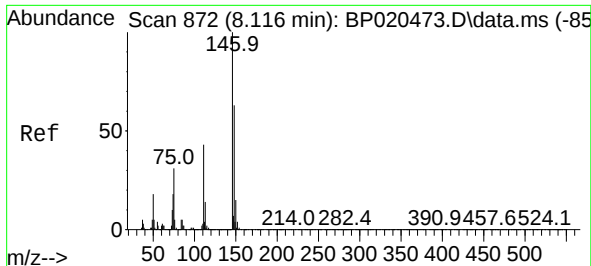
Tgt Ion:146 Resp: 1343437
Ion Ratio Lower Upper
146 100
148 64.6 51.2 76.8
75 31.4 25.3 37.9



#13
1,4-Dichlorobenzene
Concen: 83.891 ng
RT: 7.793 min Scan# 817
Delta R.T. -0.012 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion:146 Resp: 1343437
Ion Ratio Lower Upper
146 100
148 64.6 50.8 76.2
111 41.0 33.8 50.6





#14

1,2-Dichlorobenzene

Concen: 110.824 ng

RT: 8.104 min Scan# 81

Delta R.T. -0.012 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOIL

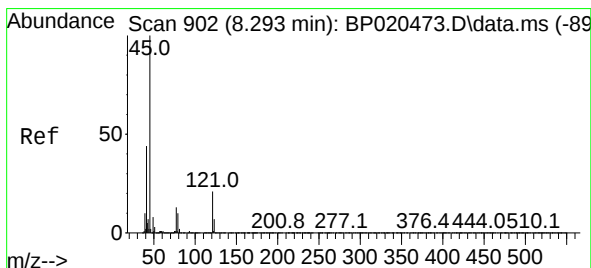
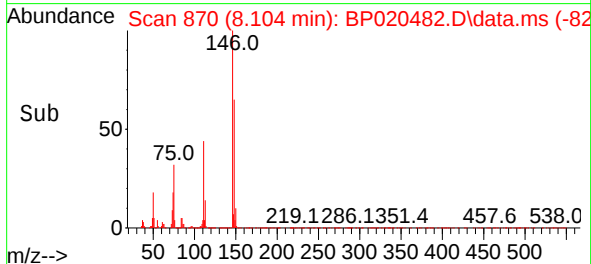
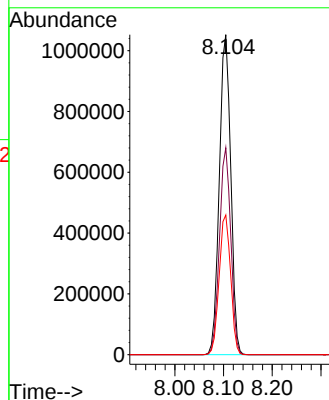
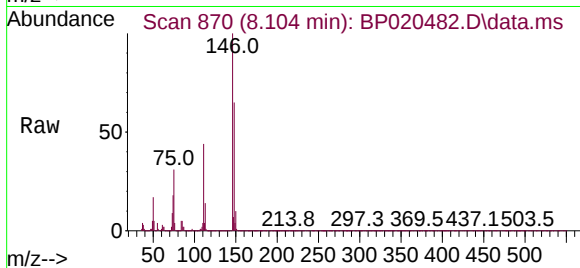
Tgt Ion:146 Resp: 1712771

Ion Ratio Lower Upper

146 100

148 64.6 50.1 75.1

111 43.6 34.4 51.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 70.449 ng

RT: 8.275 min Scan# 899

Delta R.T. -0.018 min

Lab File: BP020482.D

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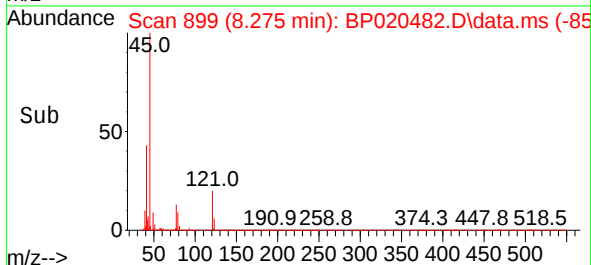
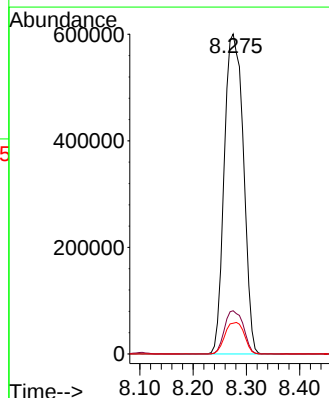
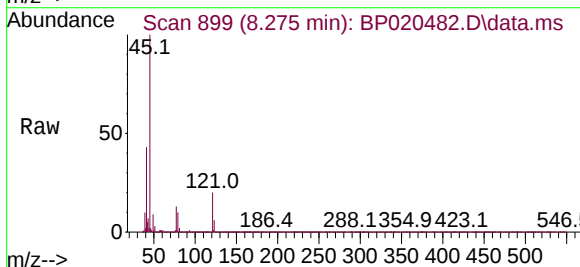
Tgt Ion: 45 Resp: 1494750

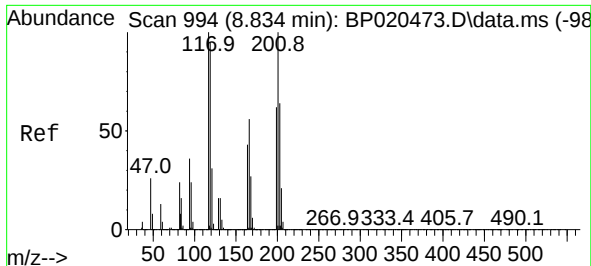
Ion Ratio Lower Upper

45 100

77 13.5 0.0 33.6

79 9.6 0.0 29.9

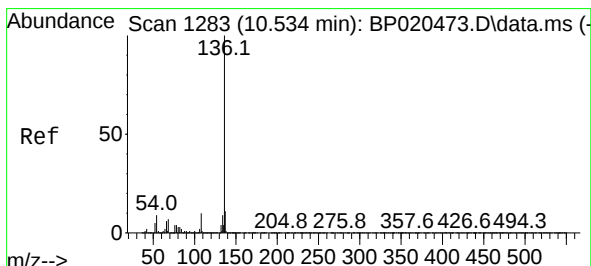
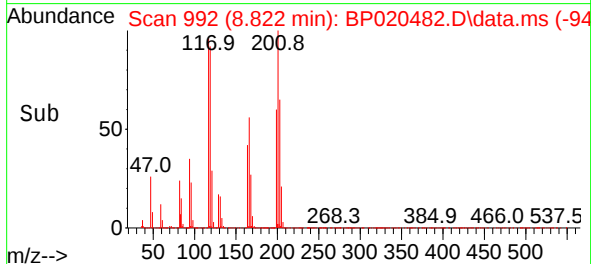
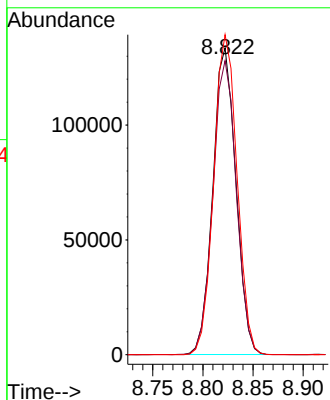
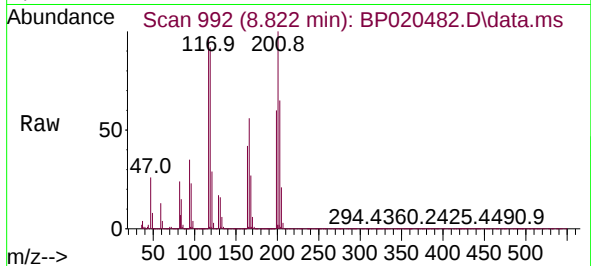




#18
Hexachloroethane
Concen: 36.648 ng
RT: 8.822 min Scan# 994
Delta R.T. -0.012 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

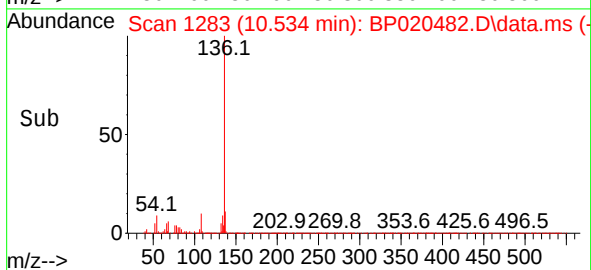
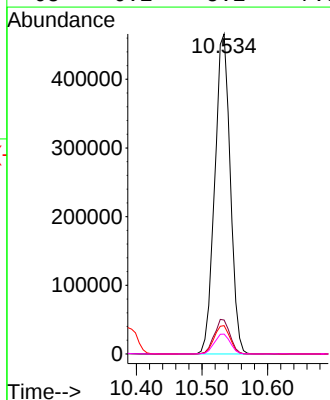
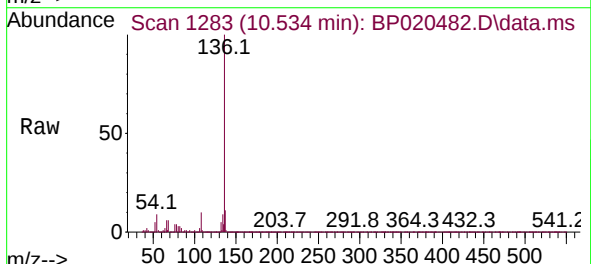
Instrument :
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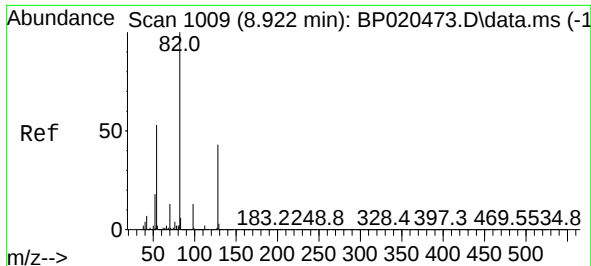
Tgt Ion:117 Resp: 214297
Ion Ratio Lower Upper
117 100
119 95.8 76.3 114.5
201 104.3 79.9 119.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. -0.000 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion:136 Resp: 760803
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 8.8 7.4 11.0
68 6.2 5.2 7.8





#23

Nitrobenzene-d5

Concen: 79.818 ng

RT: 8.899 min Scan# 1005

Delta R.T. -0.024 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOIL

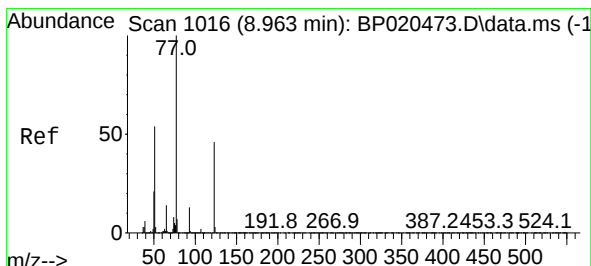
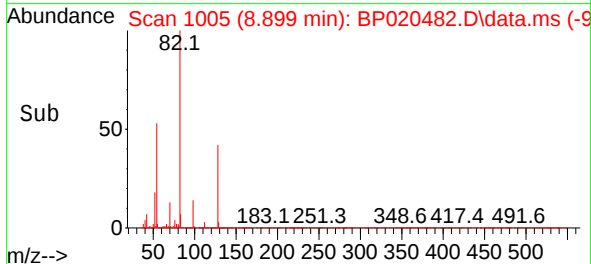
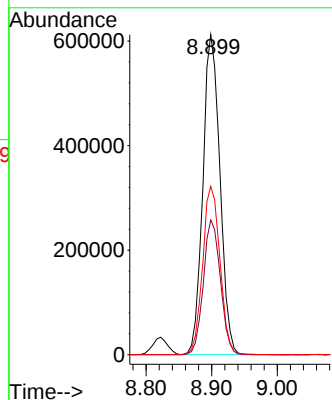
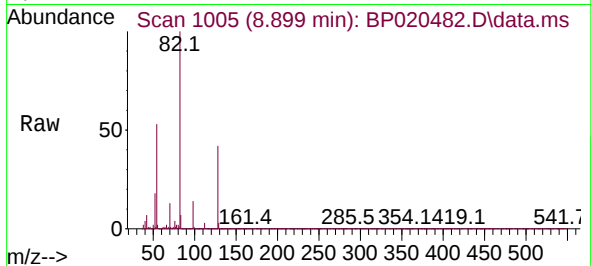
Tgt Ion: 82 Resp: 1109342

Ion Ratio Lower Upper

82 100

128 42.1 34.2 51.4

54 52.6 42.7 64.1



#24

Nitrobenzene

Concen: 260.238 ng

RT: 8.951 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

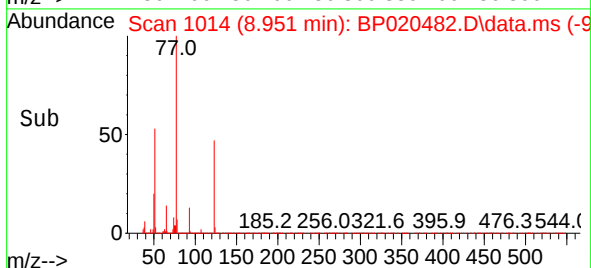
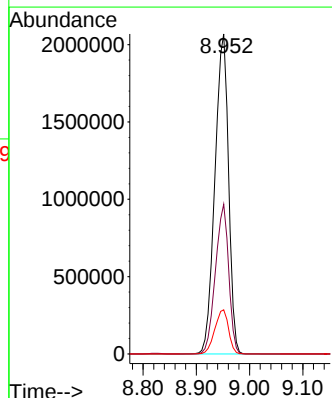
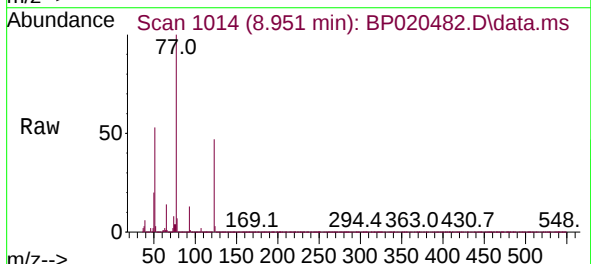
Tgt Ion: 77 Resp: 3670731

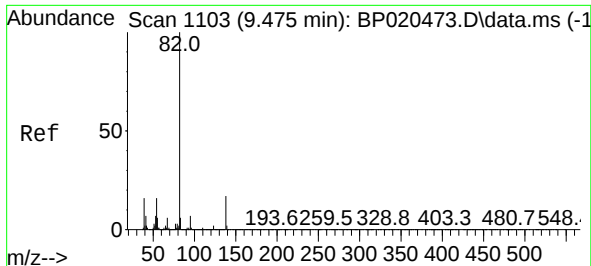
Ion Ratio Lower Upper

77 100

123 46.8 36.6 54.8

65 13.8 11.1 16.7

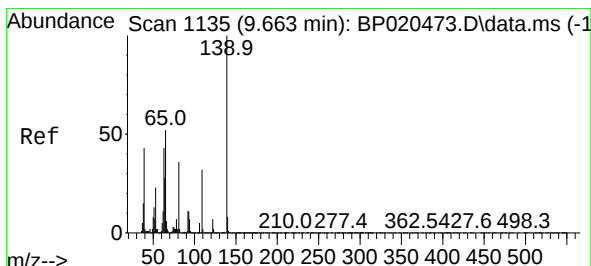
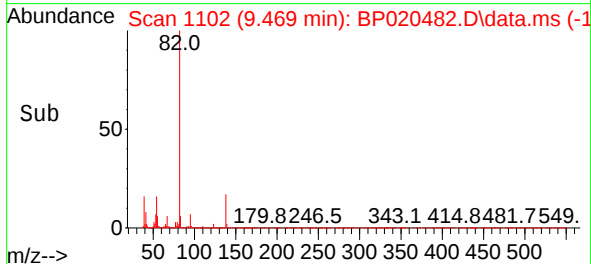
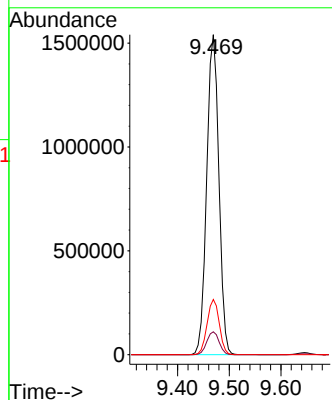
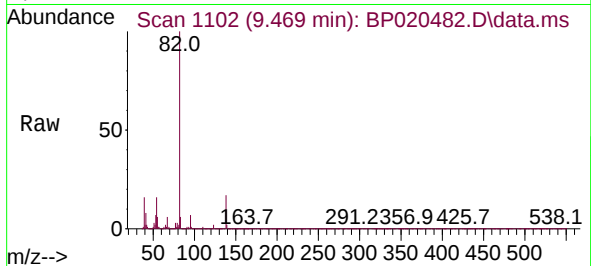




#25
Isophorone
Concen: 92.900 ng
RT: 9.469 min Scan# 1103
Delta R.T. -0.006 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

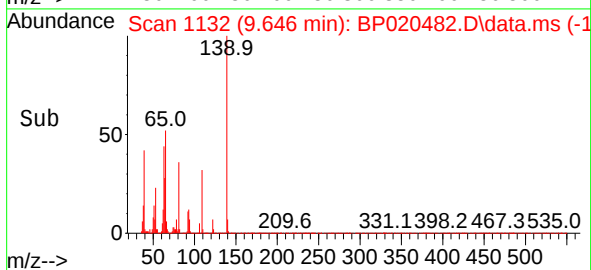
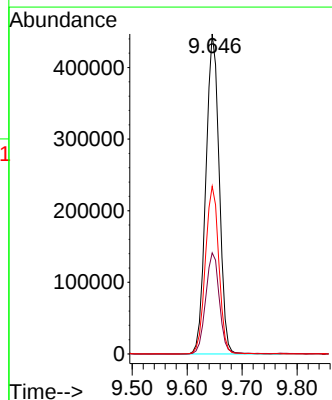
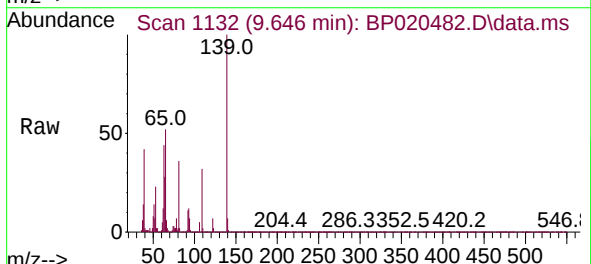
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOIL

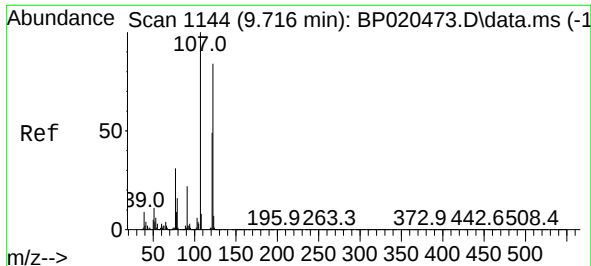
Tgt Ion: 82 Resp: 2508674
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.6
138 17.2 13.8 20.6



#26
2-Nitrophenol
Concen: 127.938 ng
RT: 9.646 min Scan# 1132
Delta R.T. -0.017 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion: 139 Resp: 752118
Ion Ratio Lower Upper
139 100
109 31.6 25.8 38.8
65 52.4 41.8 62.8

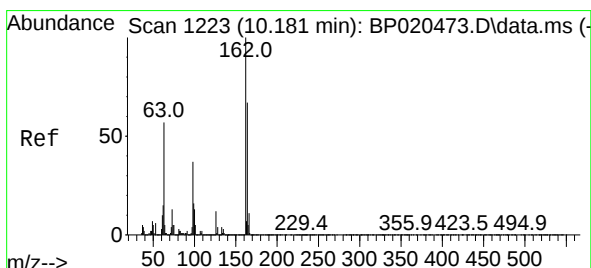
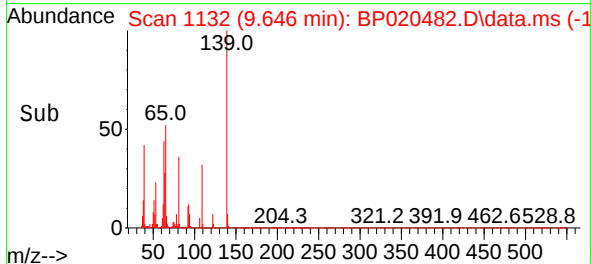
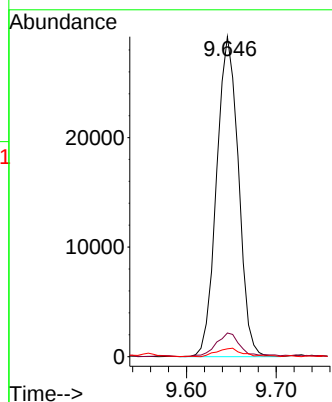
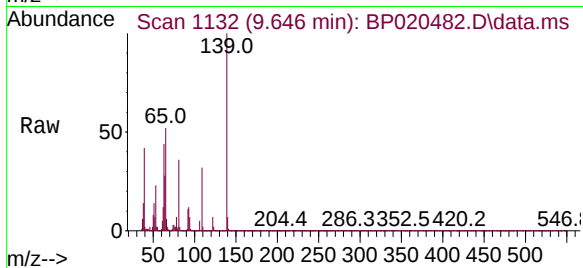




#27
2,4-Dimethylphenol
Concen: 6.065 ng
RT: 9.646 min Scan# 1144
Delta R.T. -0.070 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

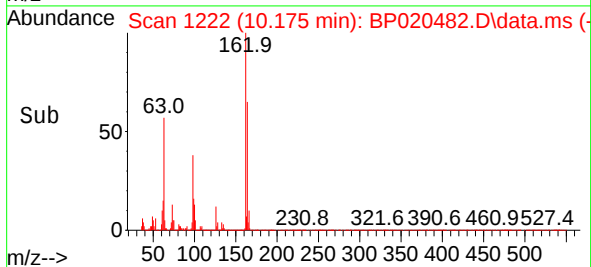
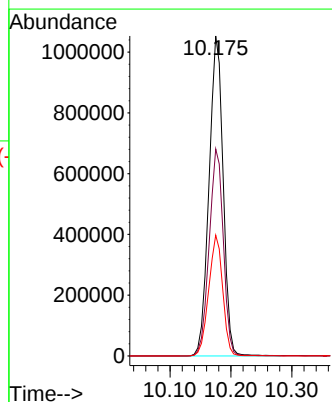
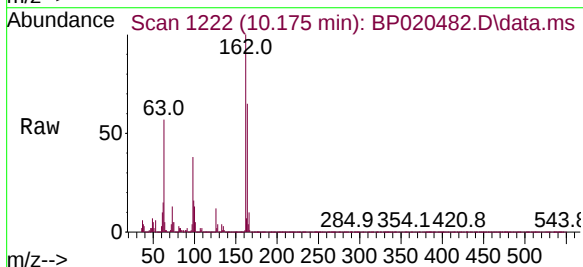
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOIL

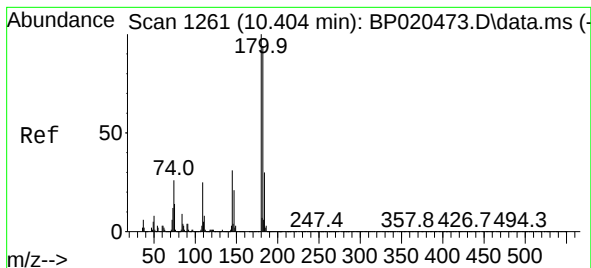
Tgt Ion:122 Resp: 49479
Ion Ratio Lower Upper
122 100
107 7.4 95.0 142.4#
121 2.5 46.1 69.1#



#29
2,4-Dichlorophenol
Concen: 154.893 ng
RT: 10.175 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion:162 Resp: 1695278
Ion Ratio Lower Upper
162 100
164 64.7 46.5 86.5
98 37.8 17.4 57.4





#30

1,2,4-Trichlorobenzene

Concen: 238.497 ng

RT: 10.393 min Scan# 11

Delta R.T. -0.012 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOIL

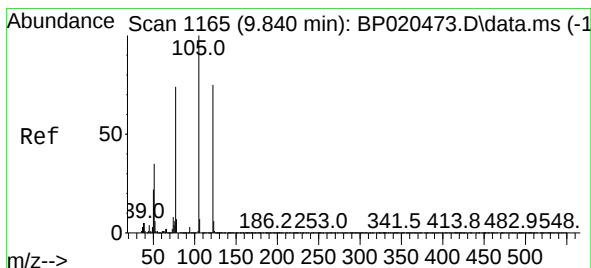
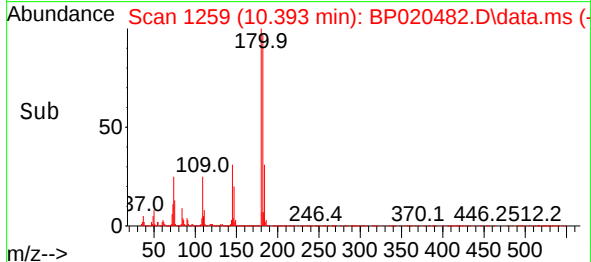
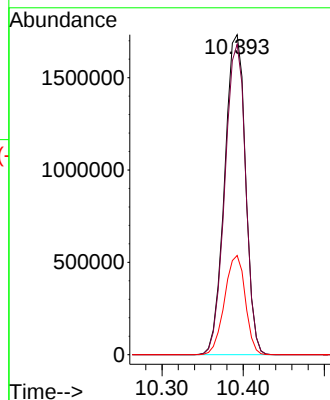
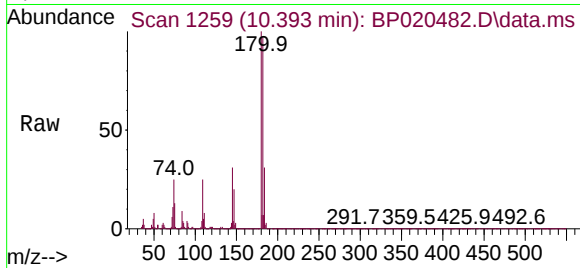
Tgt Ion:180 Resp: 3098877

Ion Ratio Lower Upper

180 100

182 97.0 75.2 112.8

145 31.0 24.9 37.3



#32

Benzoic acid

Concen: 12.321 ng

RT: 9.646 min Scan# 1132

Delta R.T. -0.194 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

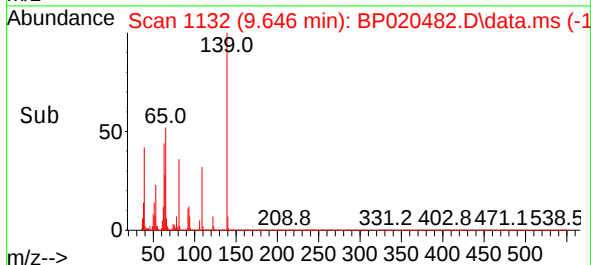
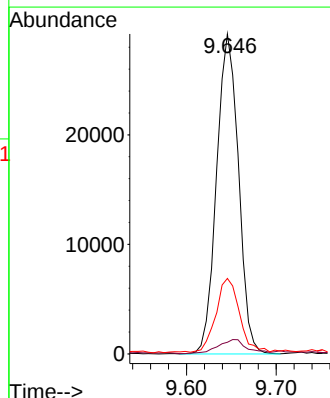
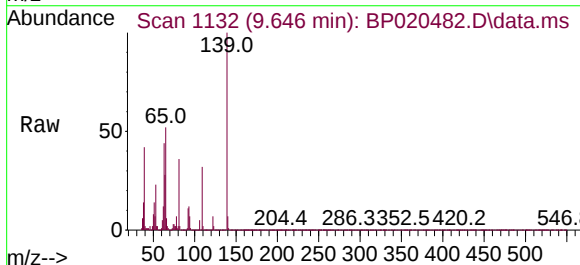
Tgt Ion:122 Resp: 49479

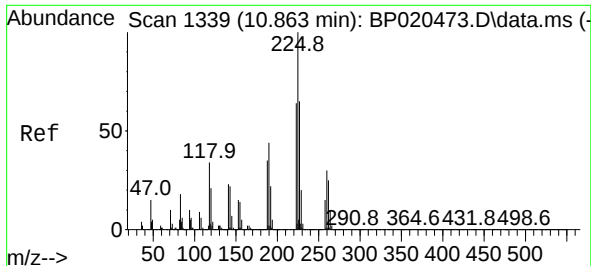
Ion Ratio Lower Upper

122 100

105 3.7 107.5 147.5#

77 23.6 76.1 116.1#

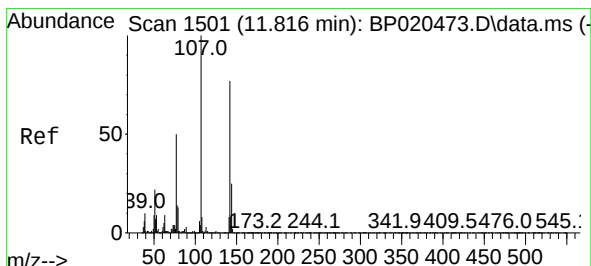
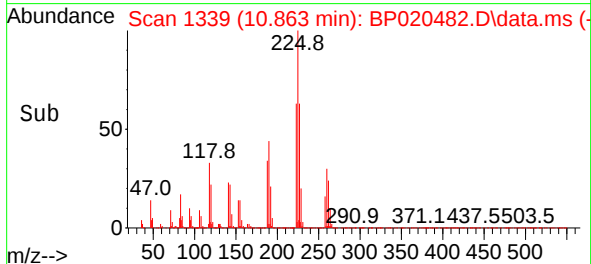
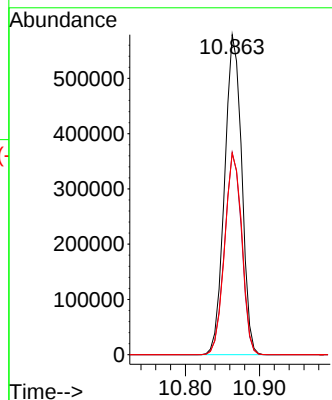
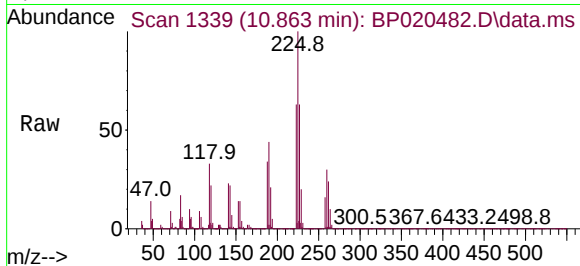




#34
Hexachlorobutadiene
Concen: 113.225 ng
RT: 10.863 min Scan# 1499
Delta R.T. -0.000 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

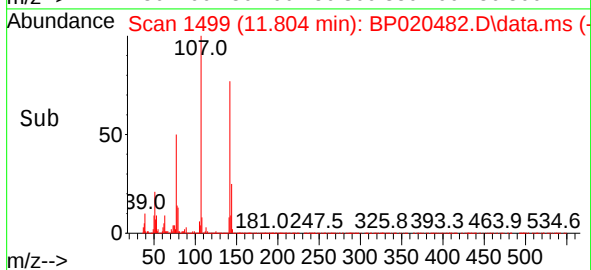
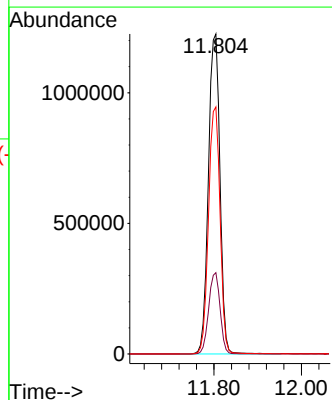
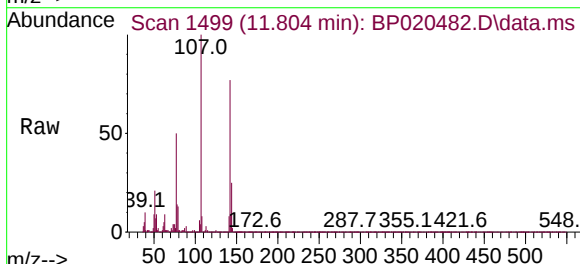
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOIL

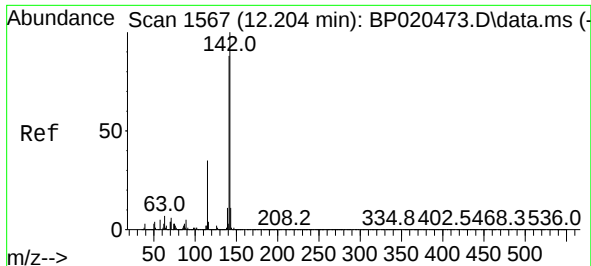
Tgt Ion:225 Resp: 926727
Ion Ratio Lower Upper
225 100
223 63.1 51.3 76.9
227 62.9 51.6 77.4



#36
4-Chloro-3-methylphenol
Concen: 176.240 ng
RT: 11.804 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion:107 Resp: 2258427
Ion Ratio Lower Upper
107 100
144 25.4 20.0 30.0
142 77.2 61.4 92.2

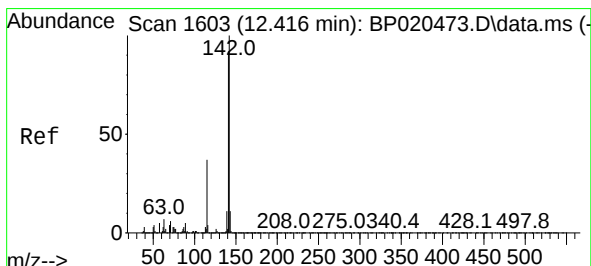
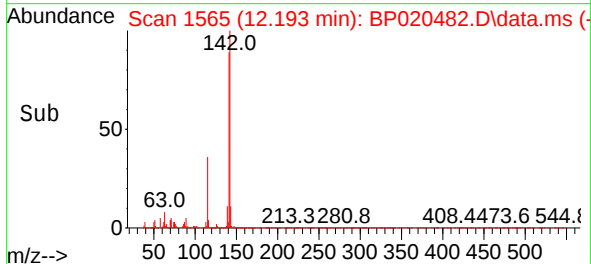
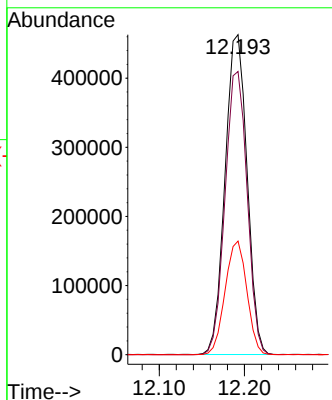
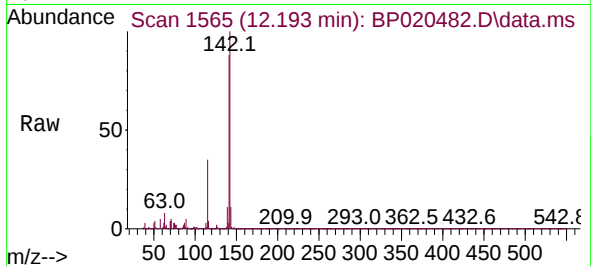




#37
2-Methylnaphthalene
Concen: 29.837 ng
RT: 12.193 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

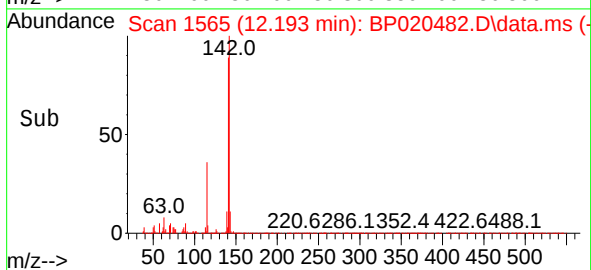
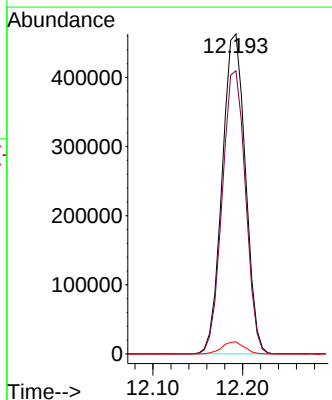
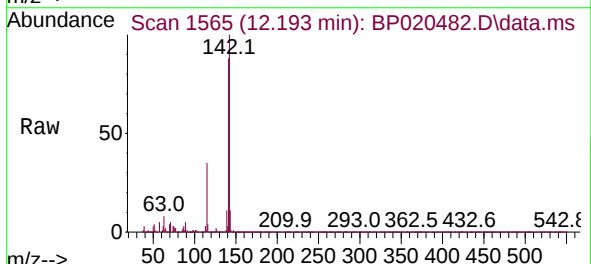
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOIL

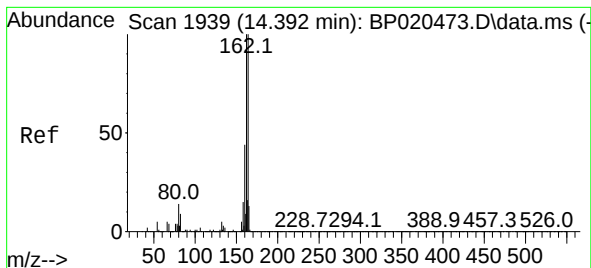
Tgt Ion:142 Resp: 831544
Ion Ratio Lower Upper
142 100
141 88.5 70.3 105.5
115 35.5 28.0 42.0



#38
1-Methylnaphthalene
Concen: 30.095 ng
RT: 12.193 min Scan# 1565
Delta R.T. -0.224 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion:142 Resp: 831433
Ion Ratio Lower Upper
142 100
141 88.5 73.7 110.5
116 3.8 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.387 min Scan# 1938

Delta R.T. -0.005 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOIL

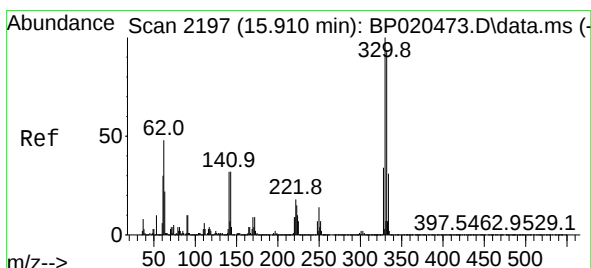
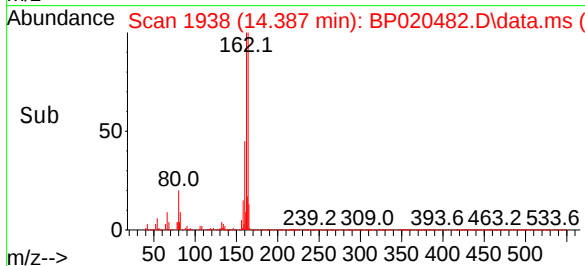
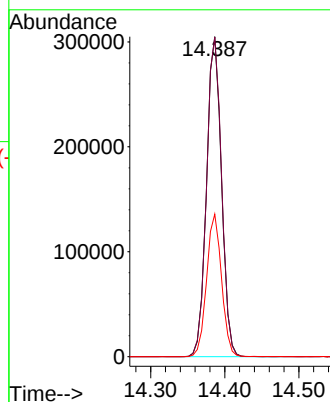
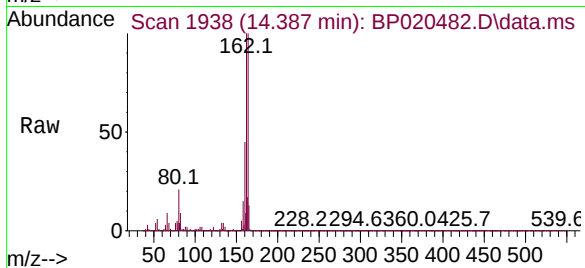
Tgt Ion:164 Resp: 426086

Ion Ratio Lower Upper

164 100

162 99.8 80.3 120.5

160 44.5 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 112.251 ng

RT: 15.904 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

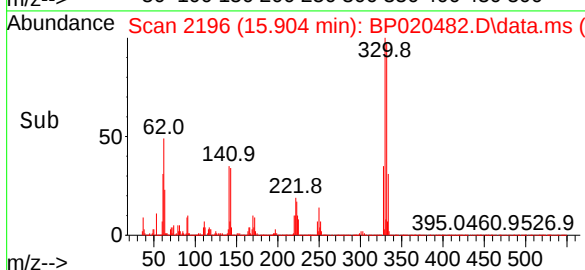
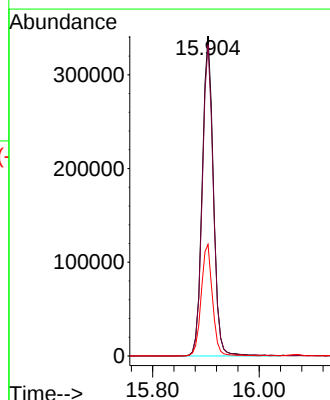
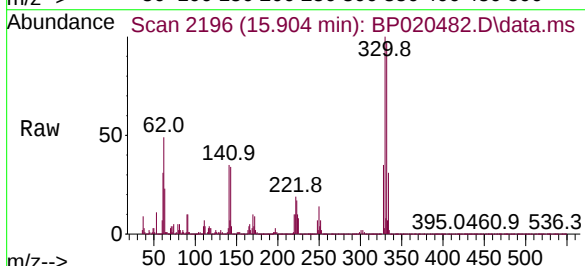
Tgt Ion:330 Resp: 496369

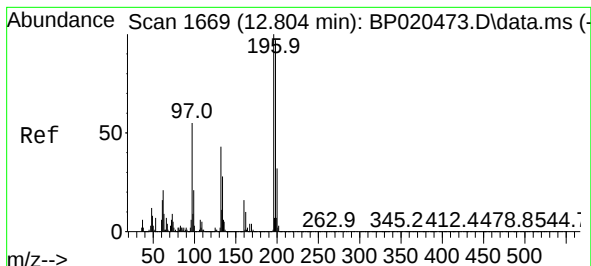
Ion Ratio Lower Upper

330 100

332 95.9 76.6 114.8

141 35.3 27.1 40.7





#43

2,4,6-Trichlorophenol

Concen: 132.713 ng

RT: 12.792 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOIL

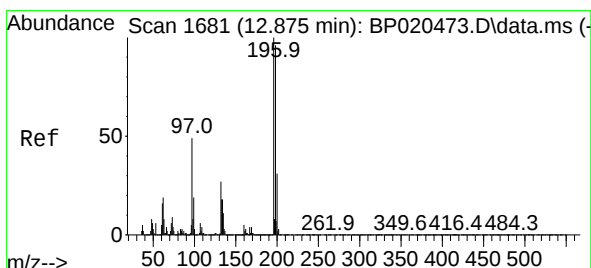
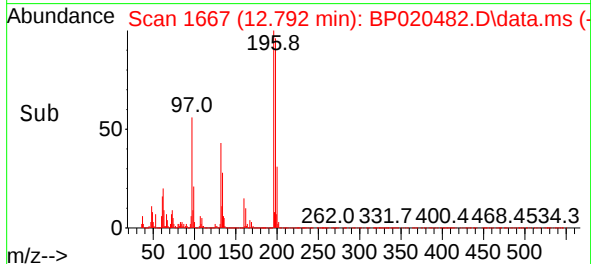
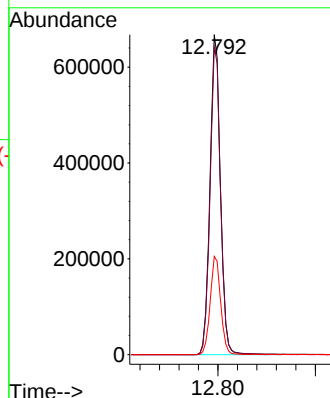
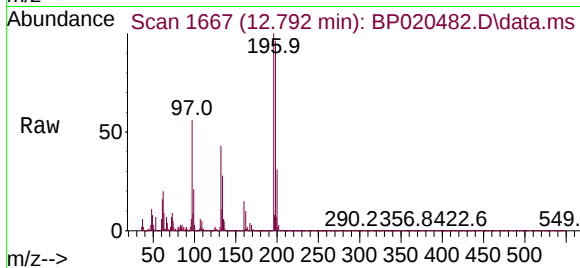
Tgt Ion:196 Resp: 988969

Ion Ratio Lower Upper

196 100

198 96.2 77.9 116.9

200 30.7 25.5 38.3



#44

2,4,5-Trichlorophenol

Concen: 115.034 ng

RT: 12.792 min Scan# 1667

Delta R.T. -0.082 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

Tgt Ion:196 Resp: 988969

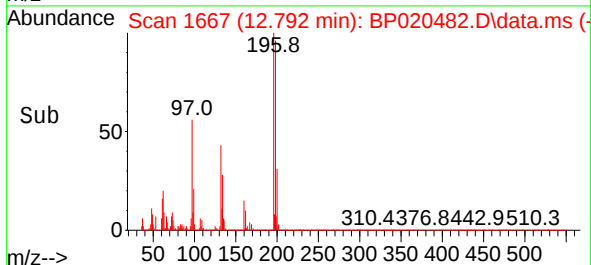
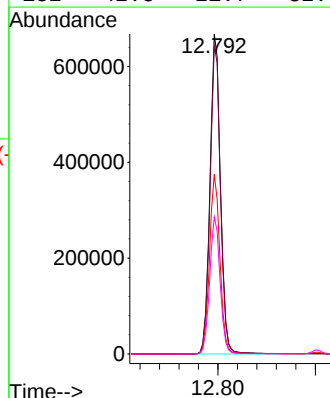
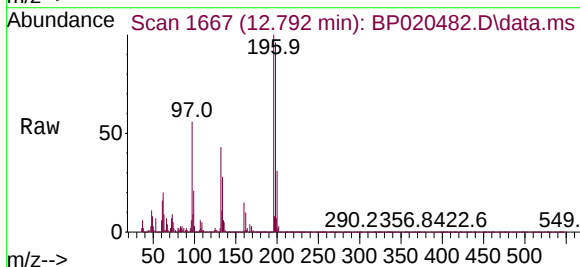
Ion Ratio Lower Upper

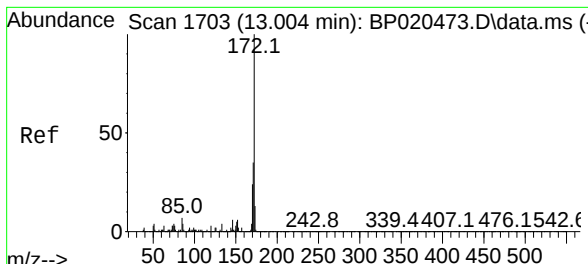
196 100

198 96.2 77.0 115.4

97 56.1 38.9 58.3

132 42.8 21.7 32.5#

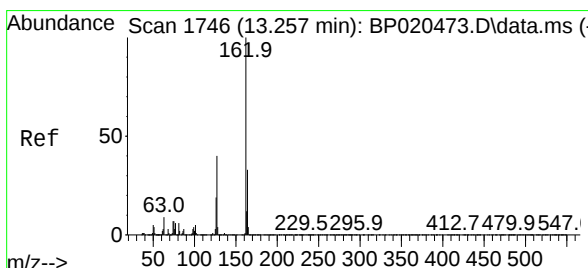
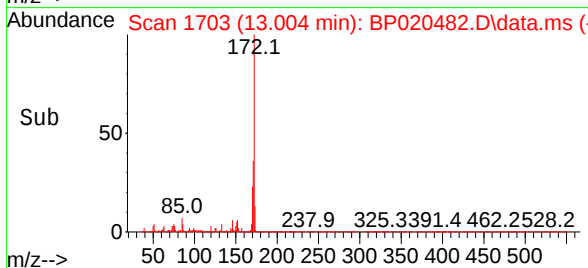
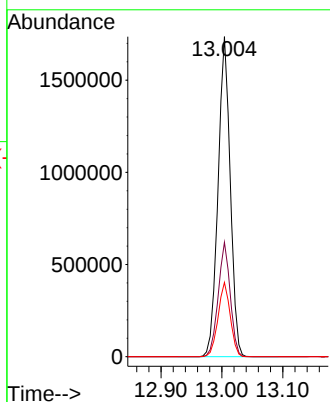
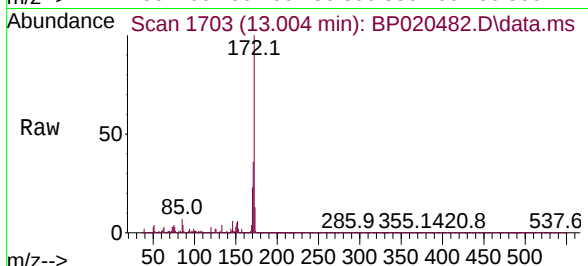




#45
2-Fluorobiphenyl
Concen: 84.266 ng
RT: 13.004 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

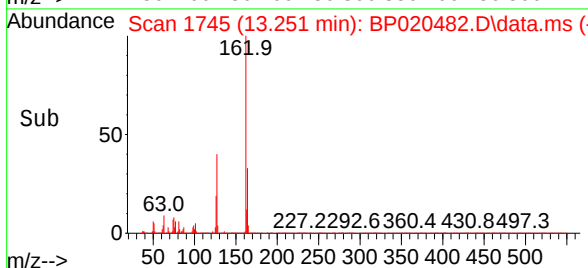
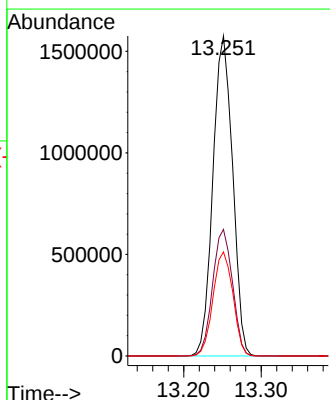
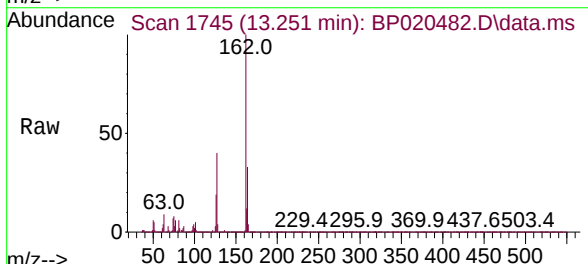
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOIL

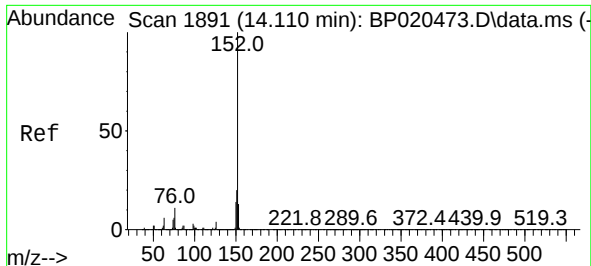
Tgt Ion:172 Resp: 2408517
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 23.2 18.9 28.3



#47
2-Chloronaphthalene
Concen: 116.277 ng
RT: 13.251 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion:162 Resp: 2779609
Ion Ratio Lower Upper
162 100
127 39.6 32.2 48.2
164 32.5 26.1 39.1

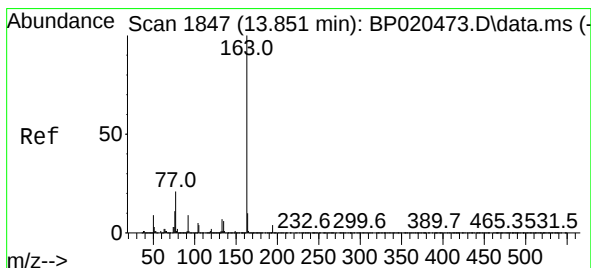
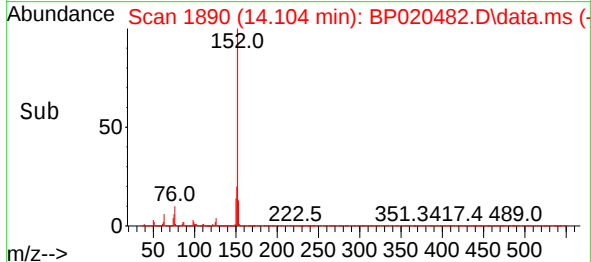
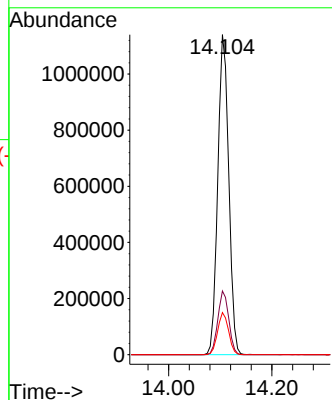
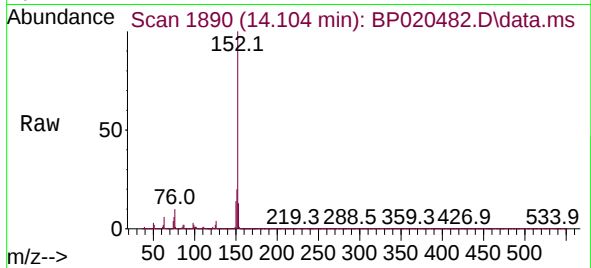




#49
Acenaphthylene
Concen: 47.252 ng
RT: 14.104 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

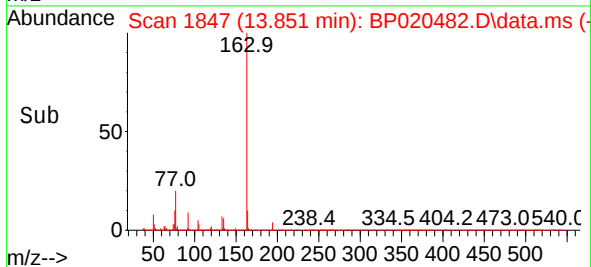
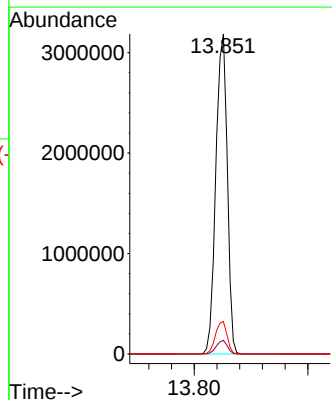
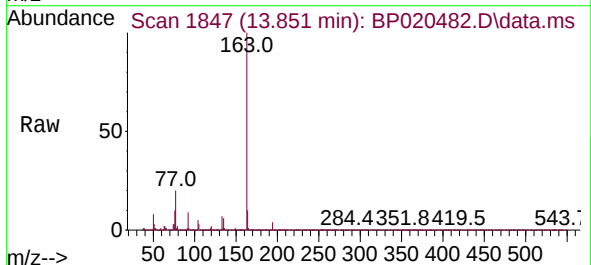
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOIL

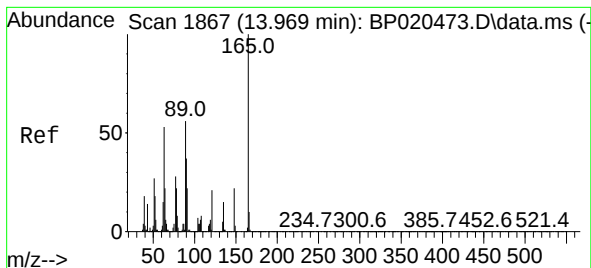
Tgt Ion:152 Resp: 1676078
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.2 10.6 15.8



#50
Dimethylphthalate
Concen: 147.422 ng
RT: 13.851 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion:163 Resp: 4427732
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.1 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 7.812 ng

RT: 13.851 min Scan# 1867

Delta R.T. -0.118 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOIL

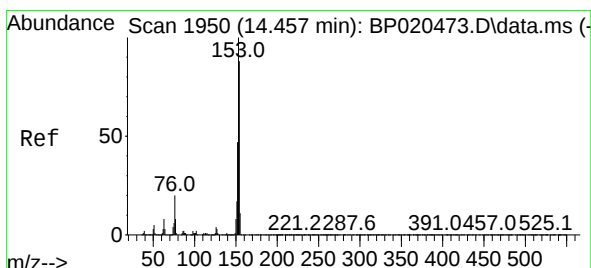
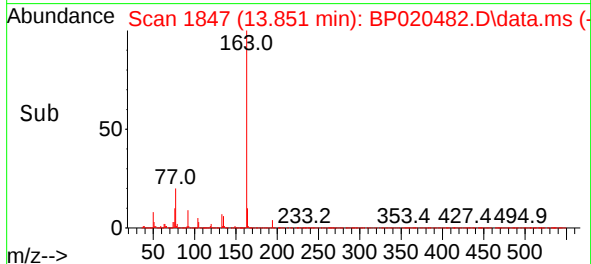
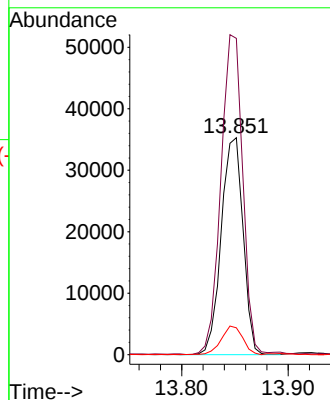
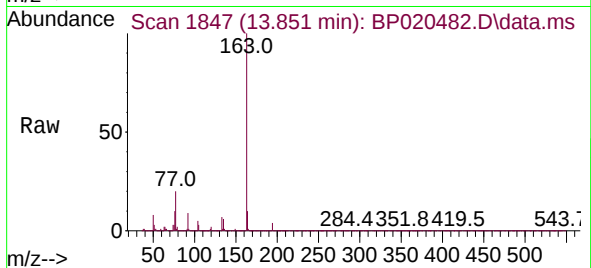
Tgt Ion:165 Resp: 50152

Ion Ratio Lower Upper

165 100

63 145.8 45.6 68.4#

89 12.4 44.9 67.3#



#52

Acenaphthene

Concen: 34.331 ng

RT: 14.451 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

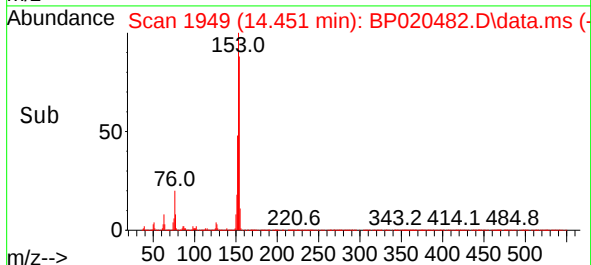
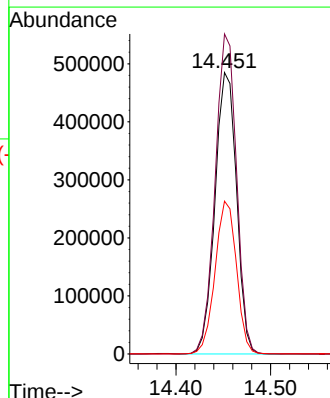
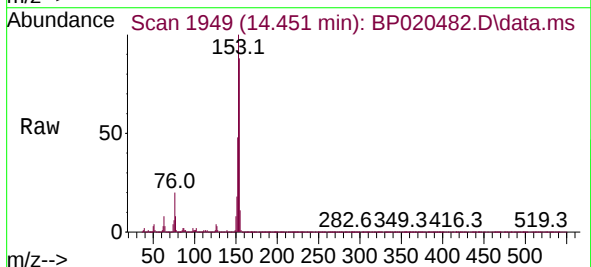
Tgt Ion:154 Resp: 768159

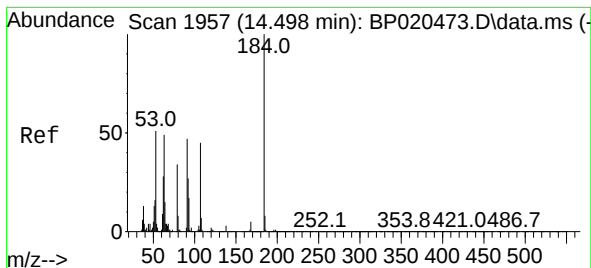
Ion Ratio Lower Upper

154 100

153 113.7 90.6 136.0

152 54.3 42.6 63.8

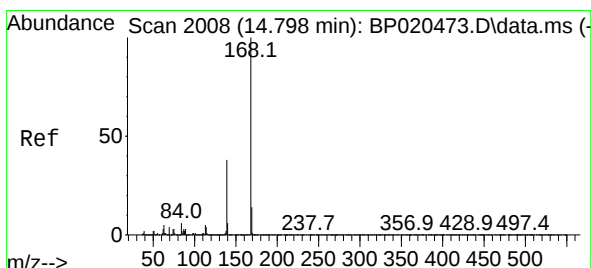
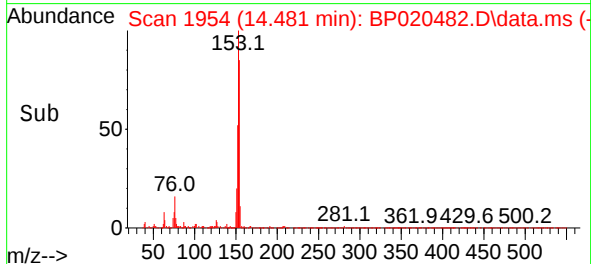
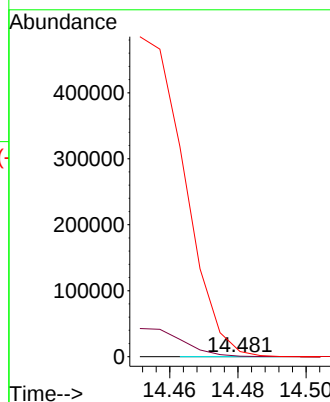
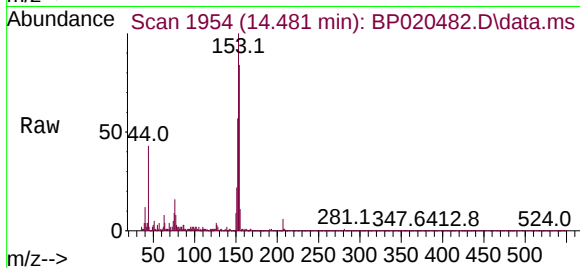




#54
2,4-Dinitrophenol
Concen: 4.978 ng
RT: 14.481 min Scan# 1954
Delta R.T. -0.017 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

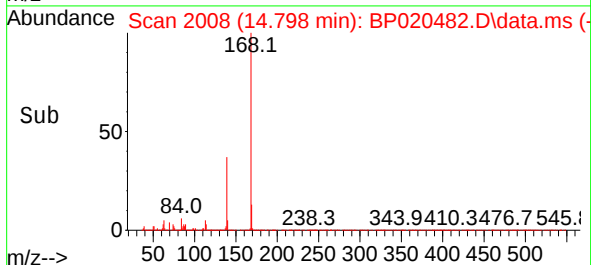
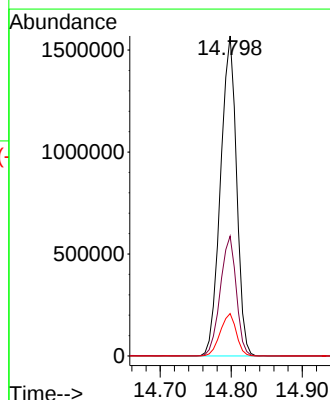
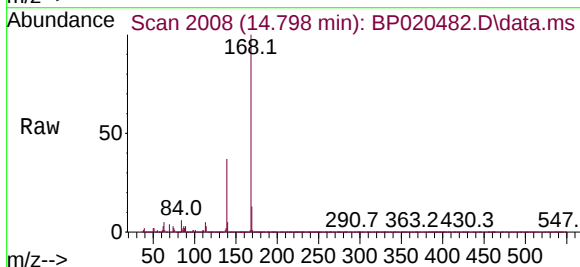
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOIL

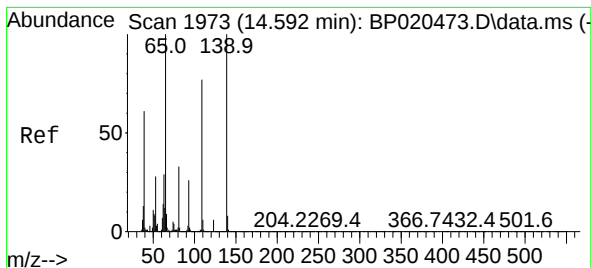
Tgt Ion:184 Resp: 10
Ion Ratio Lower Upper
184 100
63 3775.0 54.2 81.4#
154 38990.0 51.0 76.6#



#55
Dibenzofuran
Concen: 69.102 ng
RT: 14.798 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion:168 Resp: 2449273
Ion Ratio Lower Upper
168 100
139 37.5 30.4 45.6
169 13.2 11.0 16.4

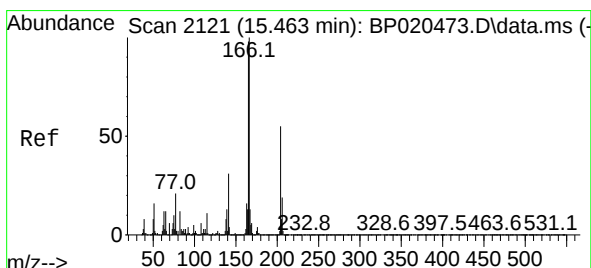
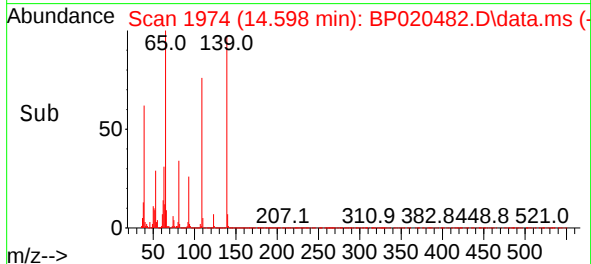
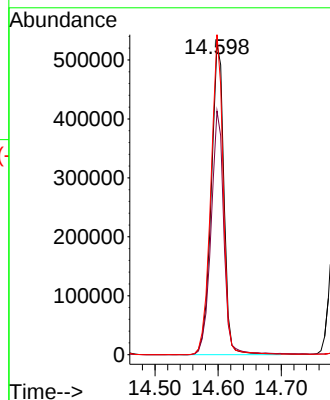
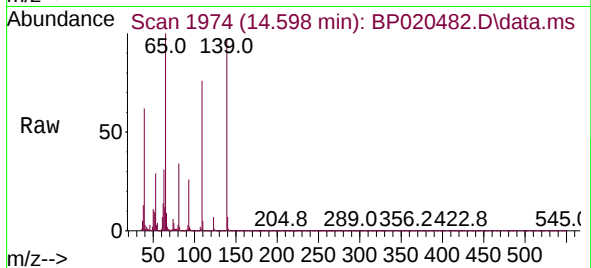




#56
4-Nitrophenol
Concen: 147.706 ng
RT: 14.598 min Scan# 1974
Delta R.T. 0.006 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

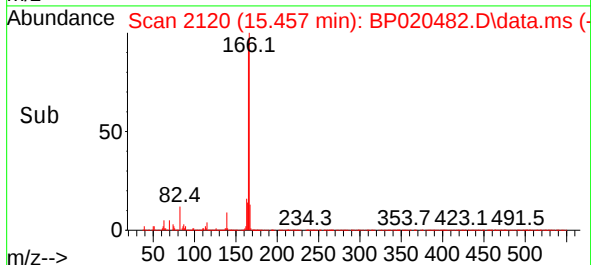
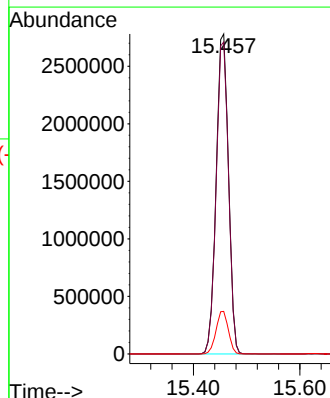
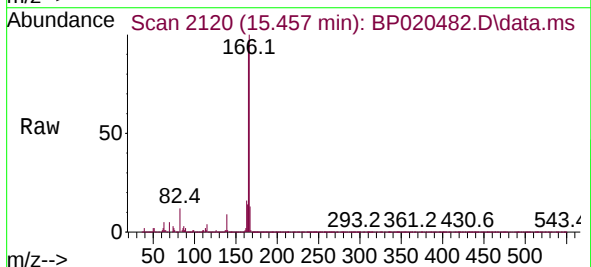
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOIL

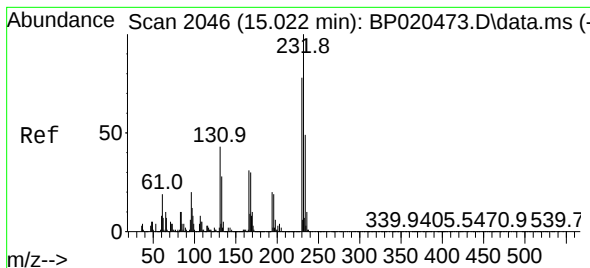
Tgt Ion:139 Resp: 735757
Ion Ratio Lower Upper
139 100
109 78.4 57.4 97.4
65 102.9 80.4 120.4



#58
Fluorene
Concen: 156.511 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion:166 Resp: 4453377
Ion Ratio Lower Upper
166 100
165 97.5 78.2 117.4
167 13.3 10.7 16.1



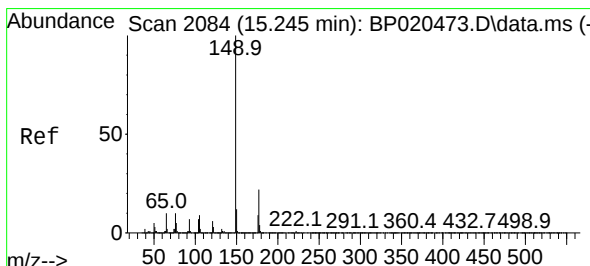
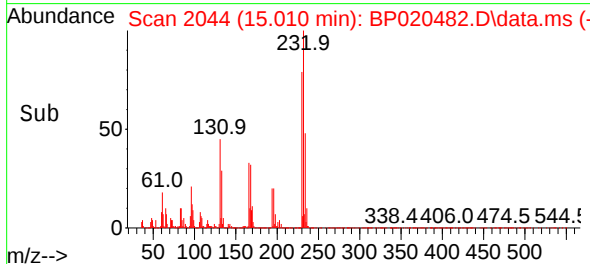
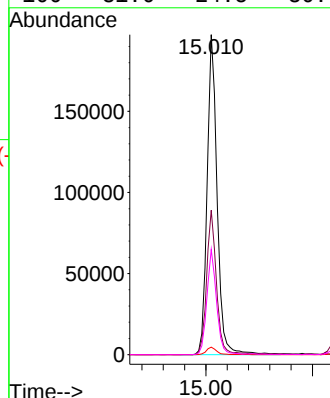
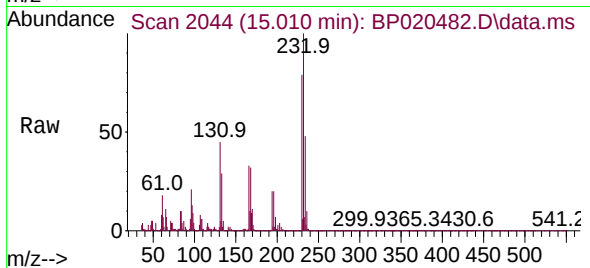


#59
2,3,4,6-Tetrachlorophenol
Concen: 36.530 ng
RT: 15.010 min Scan# 2044
Delta R.T. -0.012 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:232 Resp: 257006

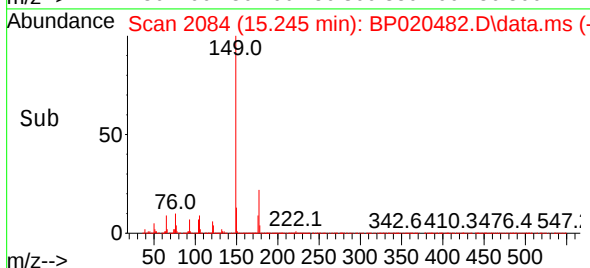
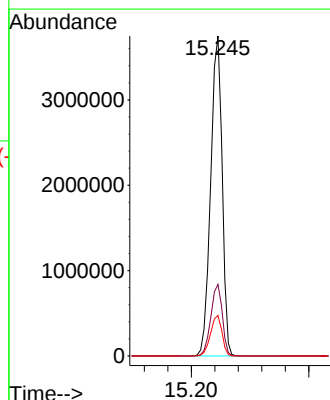
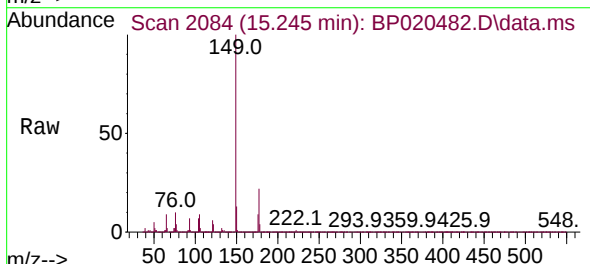
Ion	Ratio	Lower	Upper
232	100		
131	44.2	34.8	52.2
130	2.4	1.9	2.9
166	31.6	24.5	36.7

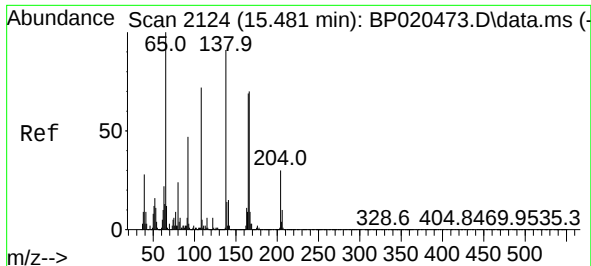


#60
Diethylphthalate
Concen: 165.768 ng
RT: 15.245 min Scan# 2084
Delta R.T. -0.000 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion:149 Resp: 5061070

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.8
150	12.7	9.8	14.8

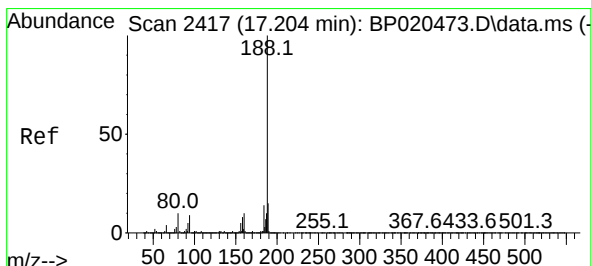
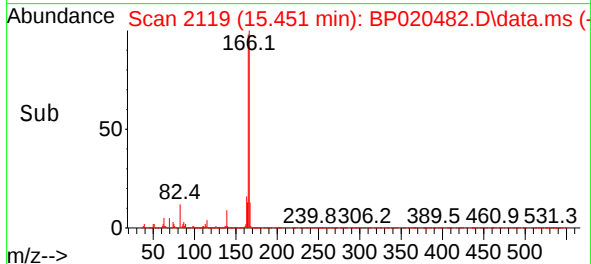
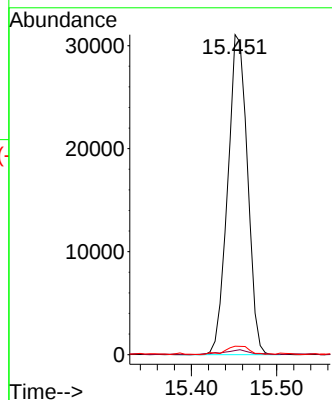
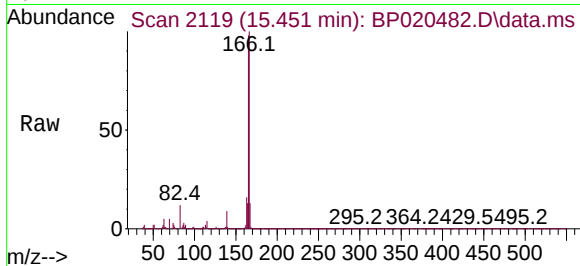




#62
4-Nitroaniline
Concen: 7.530 ng
RT: 15.451 min Scan# 2119
Delta R.T. -0.030 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

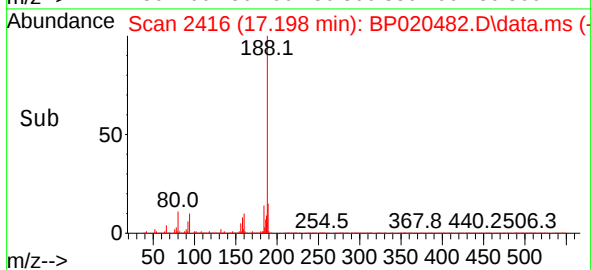
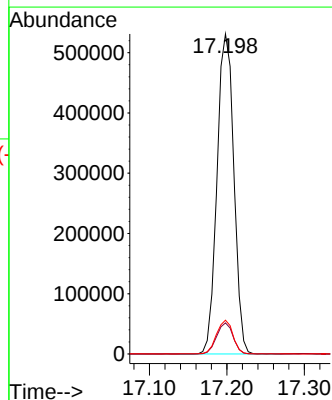
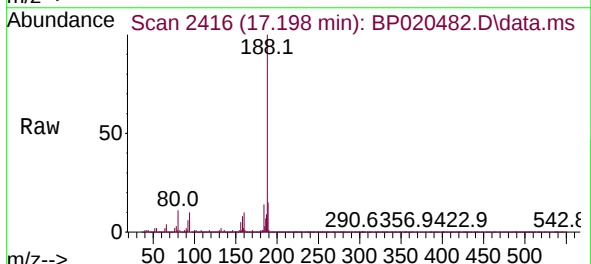
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BNA_P
ClientSampleId :
PT-BNA-SOIL

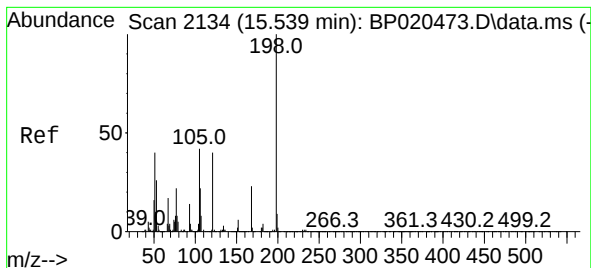
Tgt Ion:138 Resp: 49949
Ion Ratio Lower Upper
138 100
92 1.3 31.7 71.7#
108 2.6 59.9 99.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion:188 Resp: 801210
Ion Ratio Lower Upper
188 100
94 9.7 7.2 10.8
80 10.5 8.1 12.1

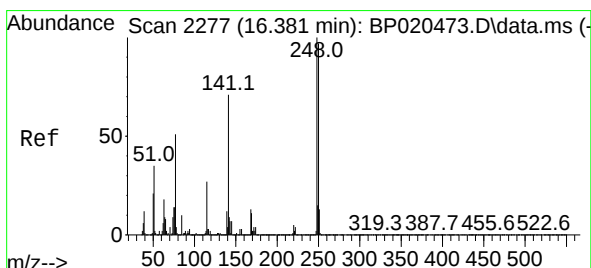
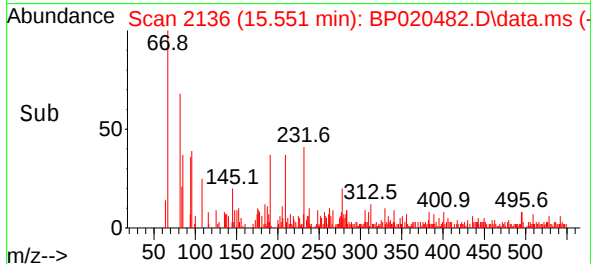
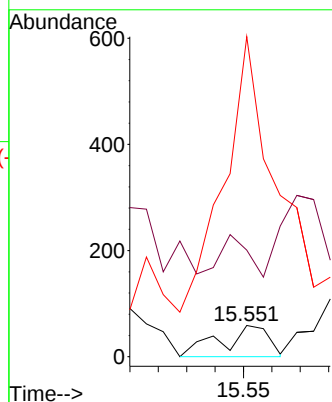
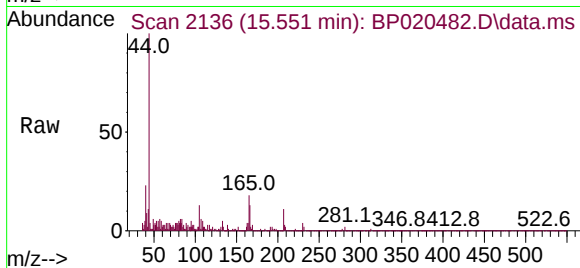




#65
4,6-Dinitro-2-methylphenol
Concen: 7.670 ng
RT: 15.551 min Scan# 2134
Delta R.T. 0.012 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

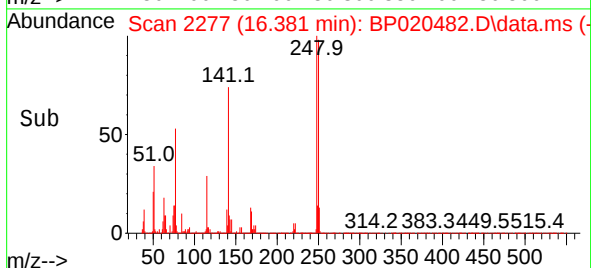
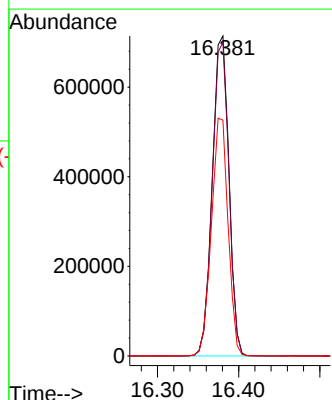
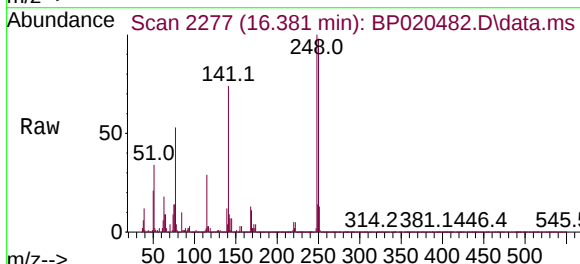
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOIL

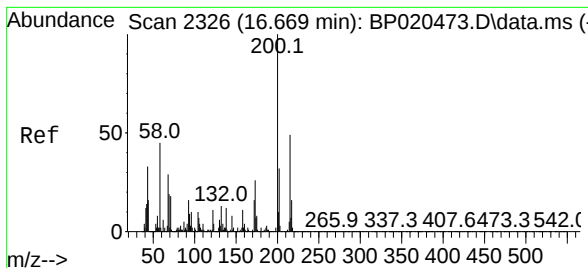
Tgt Ion:198 Resp: 69
Ion Ratio Lower Upper
198 100
51 340.7 24.8 64.8#
105 1022.0 23.2 63.2#



#67
4-Bromophenyl-phenylether
Concen: 124.195 ng
RT: 16.381 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion:248 Resp: 1018004
Ion Ratio Lower Upper
248 100
250 98.0 77.4 116.0
141 73.7 56.5 84.7





#69

Atrazine

Concen: 9.379 ng

RT: 16.828 min Scan# 2353

Delta R.T. 0.159 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOIL

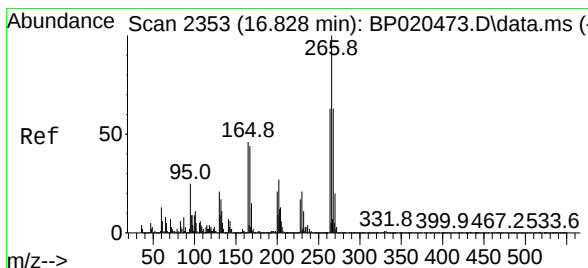
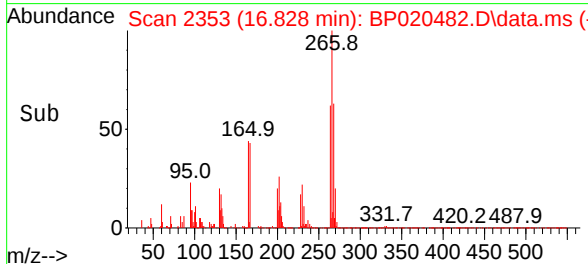
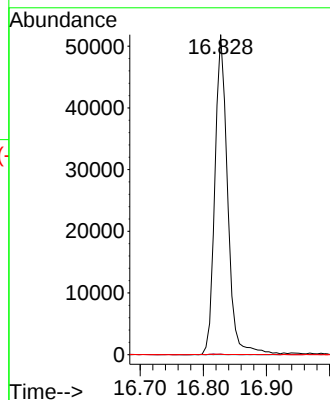
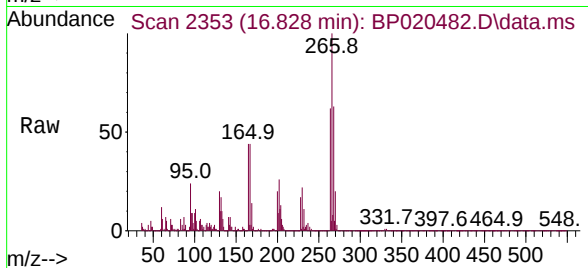
Tgt Ion:200 Resp: 72687

Ion Ratio Lower Upper

200 100

173 0.2 6.1 46.1#

215 0.1 28.7 68.7#



#70

Pentachlorophenol

Concen: 63.069 ng

RT: 16.828 min Scan# 2353

Delta R.T. -0.000 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

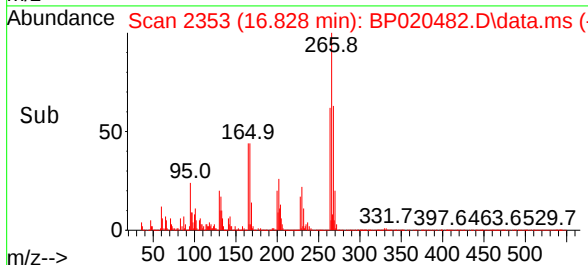
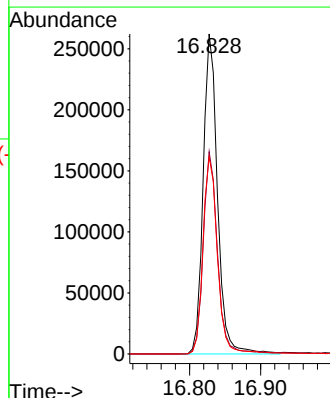
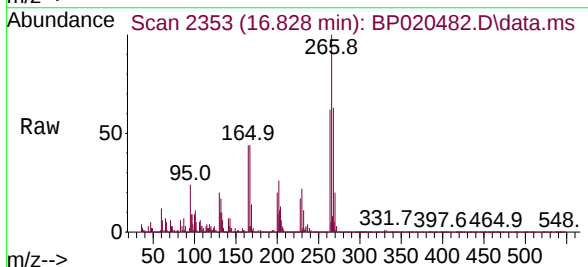
Tgt Ion:266 Resp: 369522

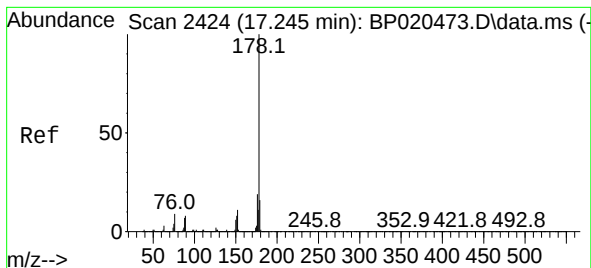
Ion Ratio Lower Upper

266 100

268 63.2 50.1 75.1

264 61.7 50.6 76.0





#71

Phenanthrene

Concen: 62.747 ng

RT: 17.333 min Scan# 2439

Delta R.T. 0.088 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOIL

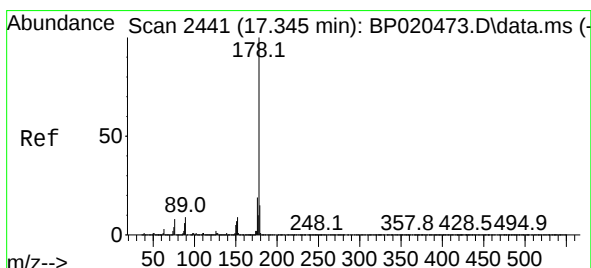
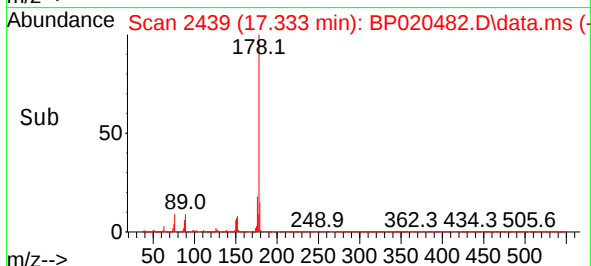
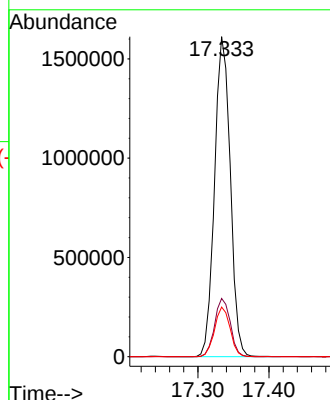
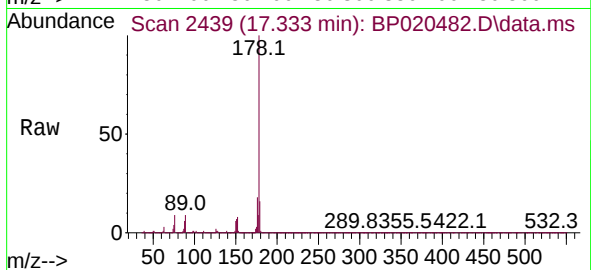
Tgt Ion:178 Resp: 2471296

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

179 15.5 12.5 18.7



#72

Anthracene

Concen: 63.945 ng

RT: 17.333 min Scan# 2439

Delta R.T. -0.012 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

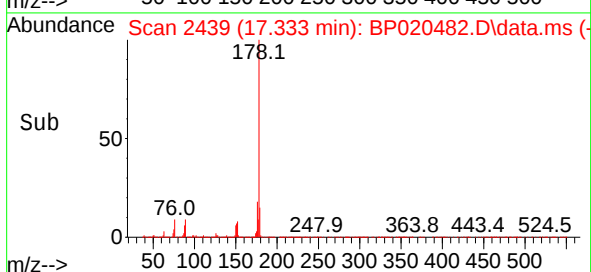
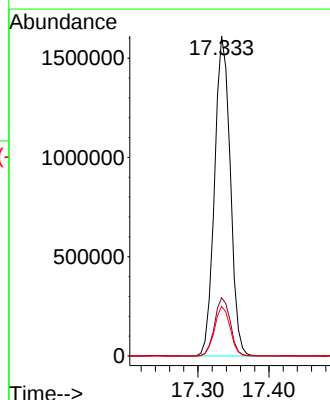
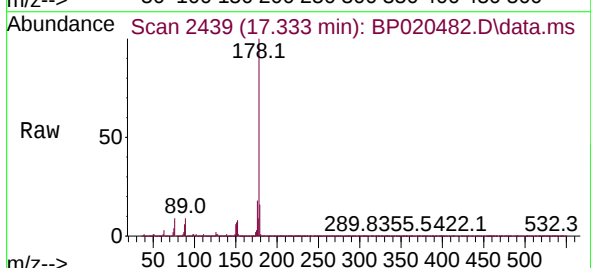
Tgt Ion:178 Resp: 2471296

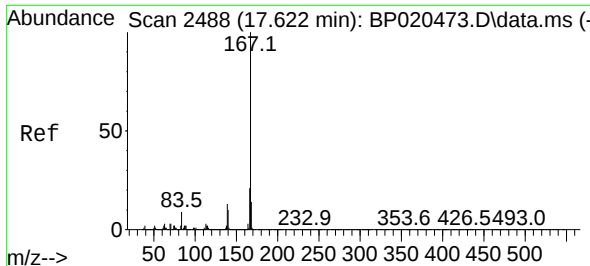
Ion Ratio Lower Upper

178 100

176 18.2 14.8 22.2

179 15.5 12.2 18.4

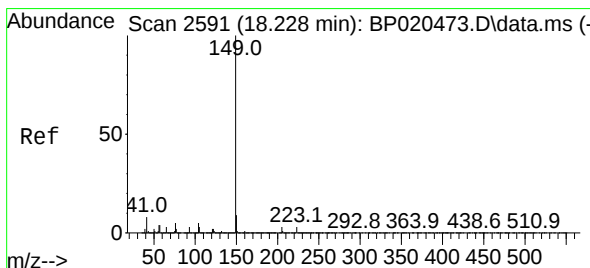
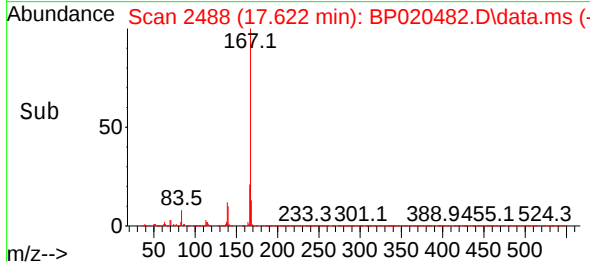
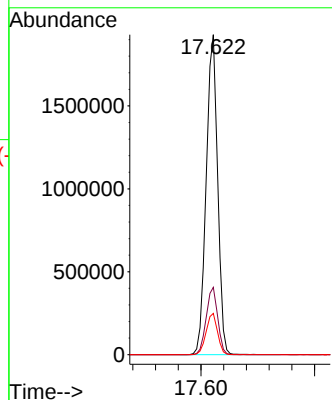
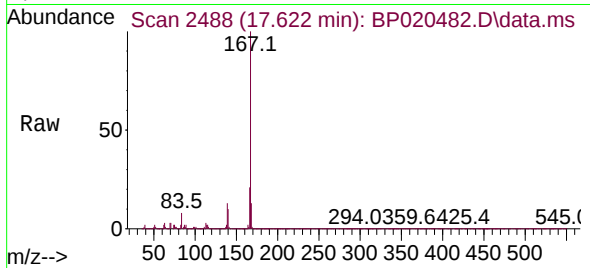




#73
Carbazole
Concen: 71.765 ng
RT: 17.622 min Scan# 2488
Delta R.T. -0.000 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

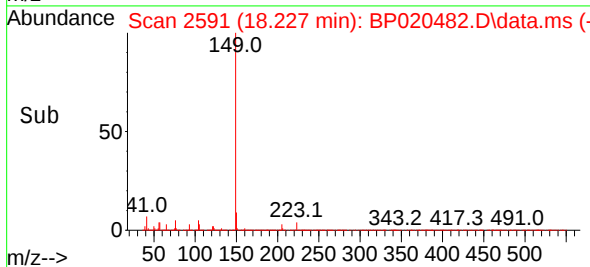
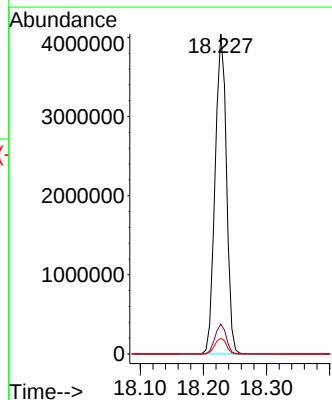
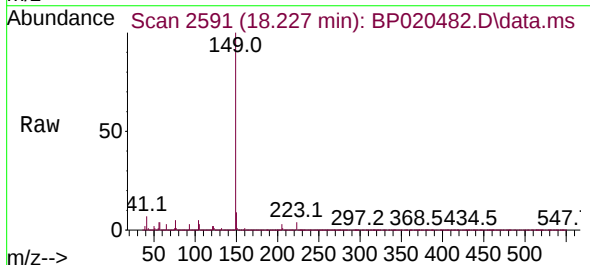
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOIL

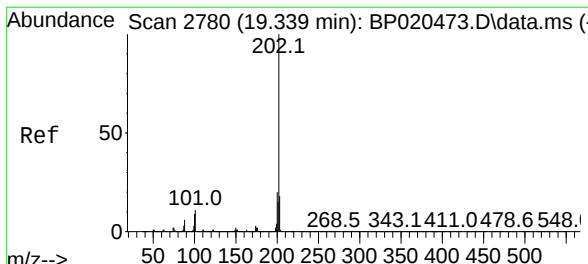
Tgt Ion:167 Resp: 2682773
Ion Ratio Lower Upper
167 100
166 21.1 17.1 25.7
139 12.9 10.5 15.7



#74
Di-n-butylphthalate
Concen: 111.211 ng
RT: 18.227 min Scan# 2591
Delta R.T. -0.000 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion:149 Resp: 5034595
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.9 4.2 6.2

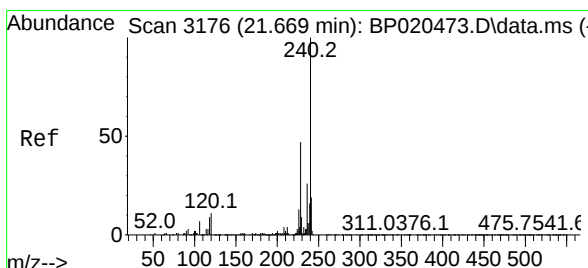
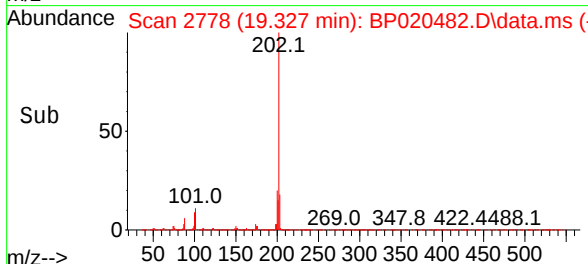
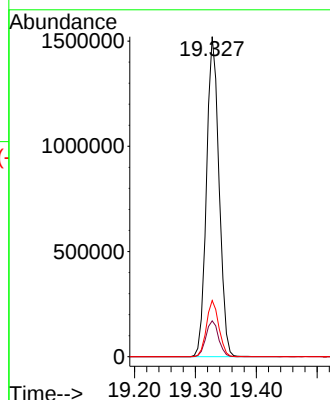
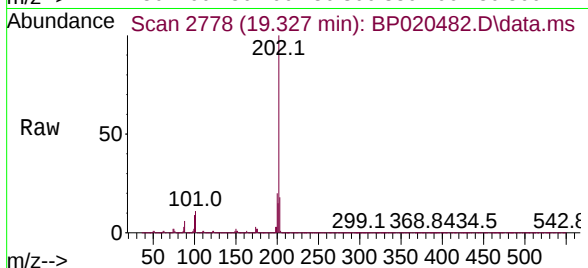




#75
Fluoranthene
Concen: 46.645 ng
RT: 19.327 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

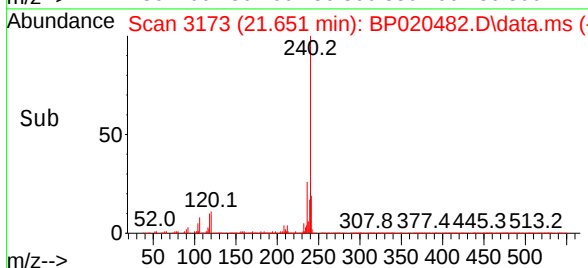
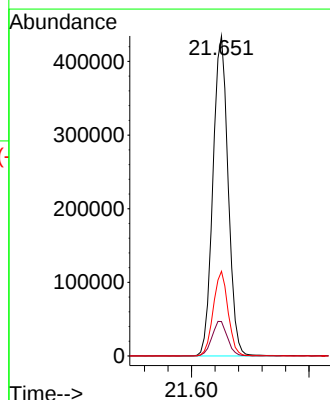
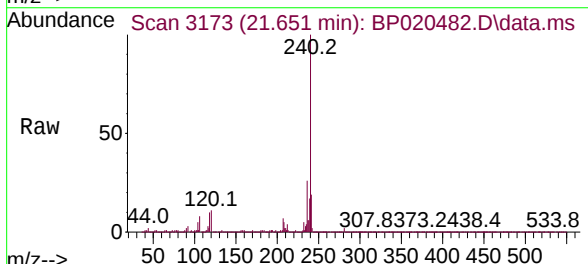
Instrument :
BNA_P
ClientSampleId :
PT-BNA-SOIL

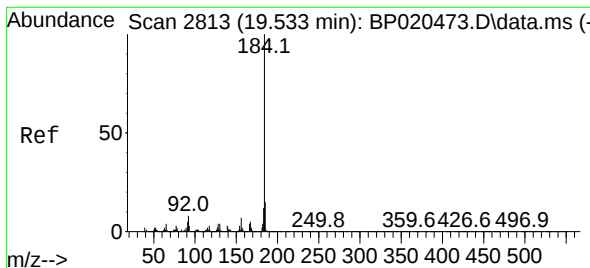
Tgt Ion:202 Resp: 2173405
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.4
203 17.6 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.651 min Scan# 3173
Delta R.T. -0.018 min
Lab File: BP020482.D
Acq: 30 May 2024 11:31

Tgt Ion:240 Resp: 779258
Ion Ratio Lower Upper
240 100
120 10.7 8.5 12.7
236 26.4 20.5 30.7





#77

Benzidine

Concen: 5.983 ng

RT: 19.510 min Scan# 2809

Delta R.T. -0.023 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOIL

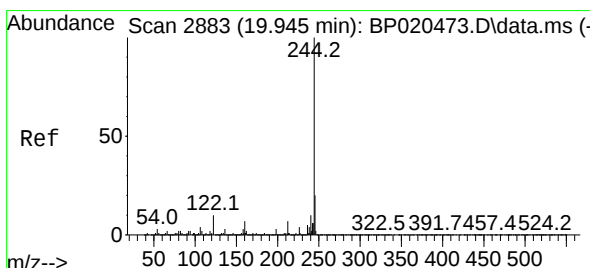
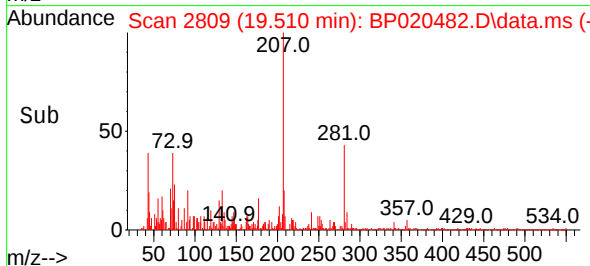
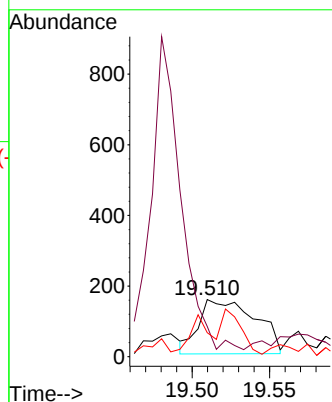
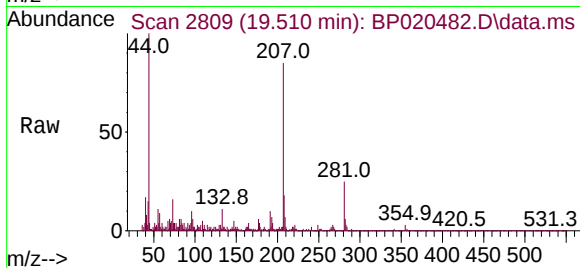
Tgt Ion:184 Resp: 389

Ion Ratio Lower Upper

184 100

185 53.1 12.0 18.0#

183 42.0 9.4 14.0#



#79

Terphenyl-d14

Concen: 75.175 ng

RT: 19.927 min Scan# 2880

Delta R.T. -0.018 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

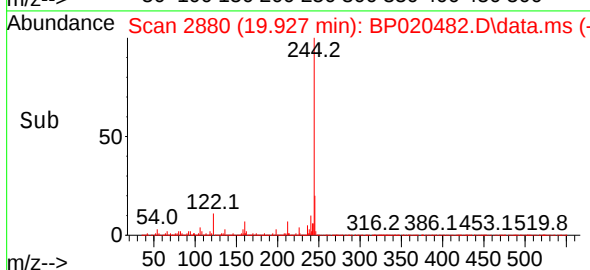
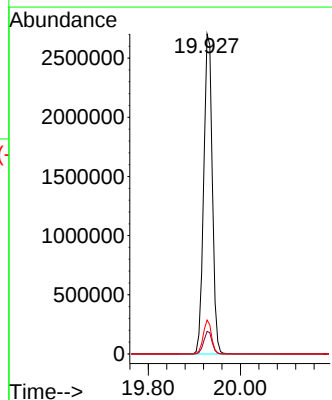
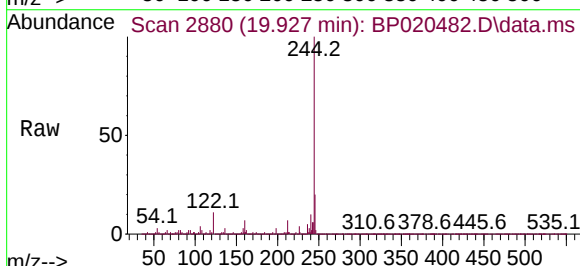
Tgt Ion:244 Resp: 3518941

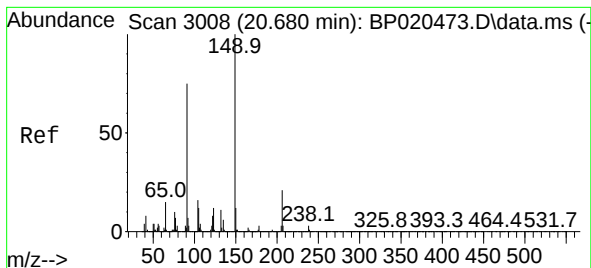
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 10.6 8.2 12.2





#80

Butylbenzylphthalate

Concen: 134.396 ng

RT: 20.680 min Scan# 3008

Delta R.T. 0.000 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOIL

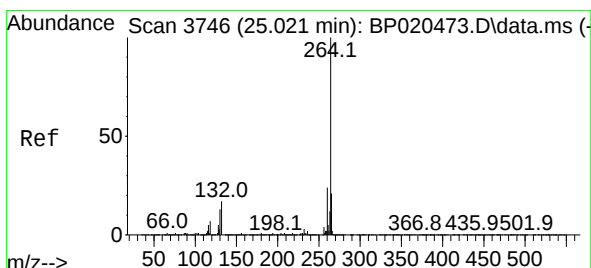
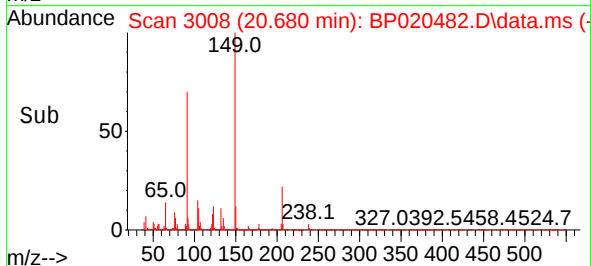
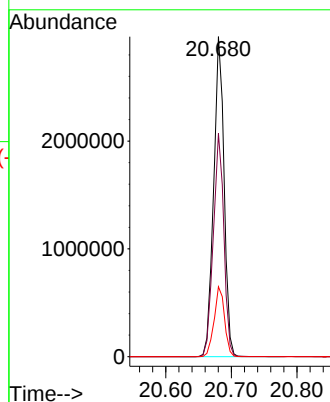
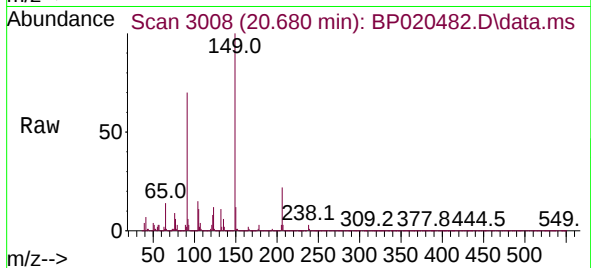
Tgt Ion:149 Resp: 3281231

Ion Ratio Lower Upper

149 100

91 69.7 60.0 90.0

206 21.9 16.6 25.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.009 min Scan# 3744

Delta R.T. -0.012 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

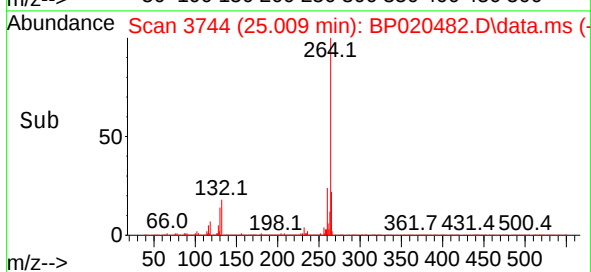
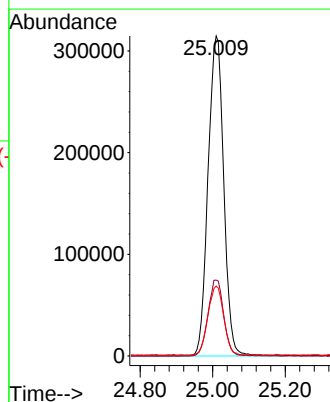
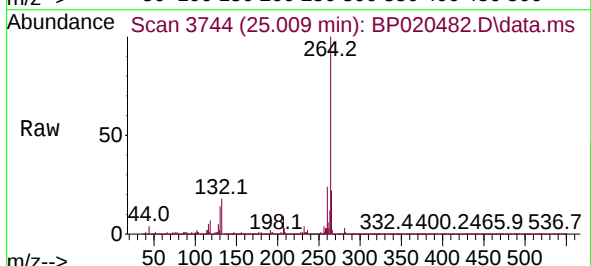
Tgt Ion:264 Resp: 943346

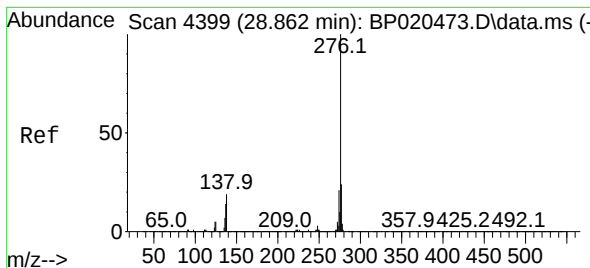
Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 21.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.755 ng

RT: 28.827 min Scan# 4399

Delta R.T. -0.035 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOIL

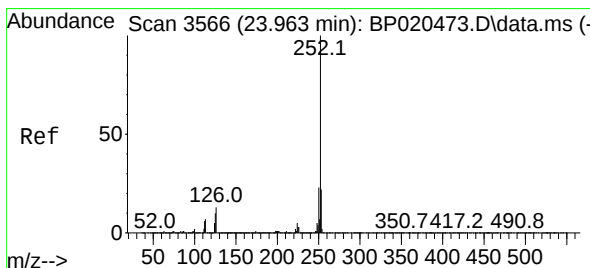
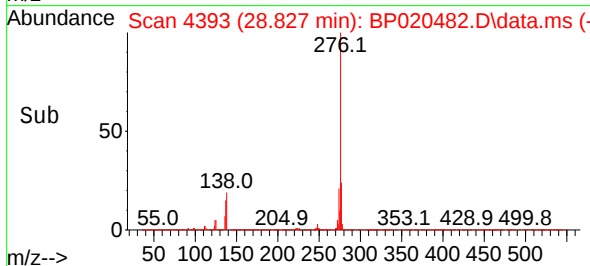
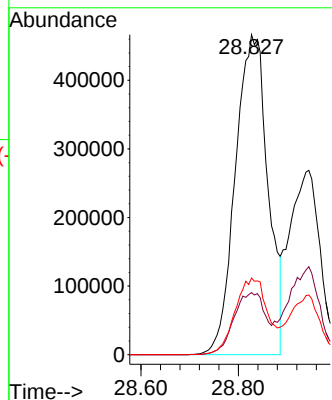
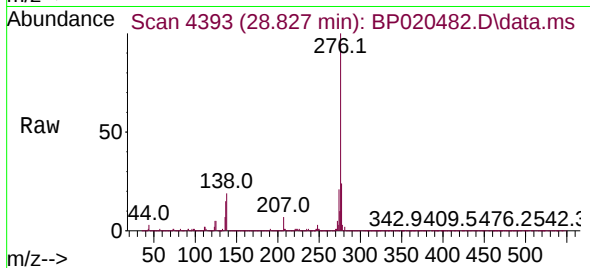
Tgt Ion:276 Resp: 2165788

Ion Ratio Lower Upper

276 100

138 18.8 12.8 19.2

277 23.6 15.6 23.4#



#88

Benzo(b)fluoranthene

Concen: 65.948 ng

RT: 24.021 min Scan# 3576

Delta R.T. 0.059 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

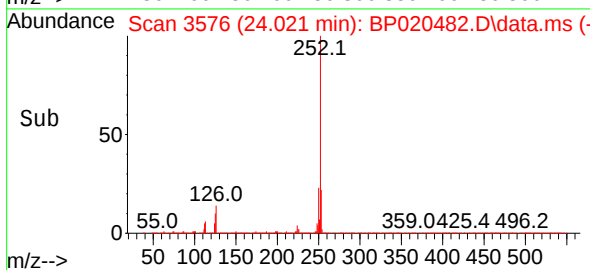
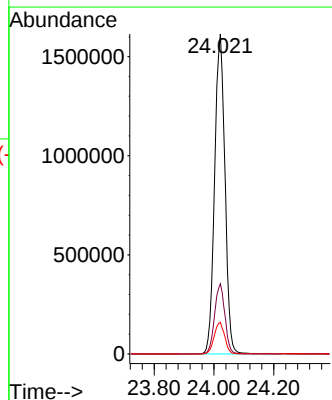
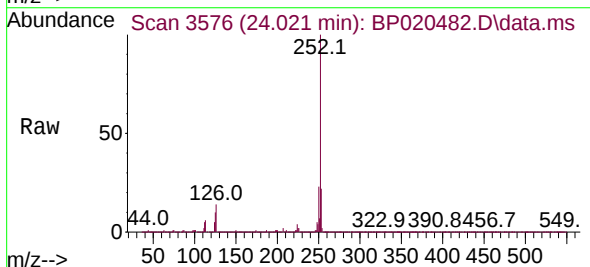
Tgt Ion:252 Resp: 3875683

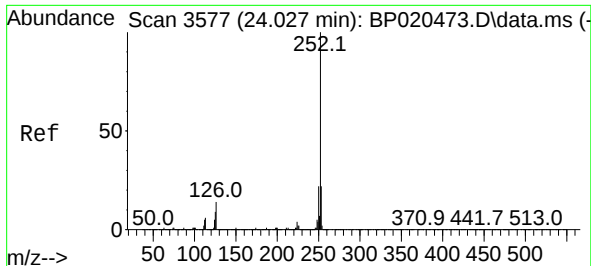
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 9.9 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 67.616 ng

RT: 24.021 min Scan# 3576

Delta R.T. -0.006 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOIL

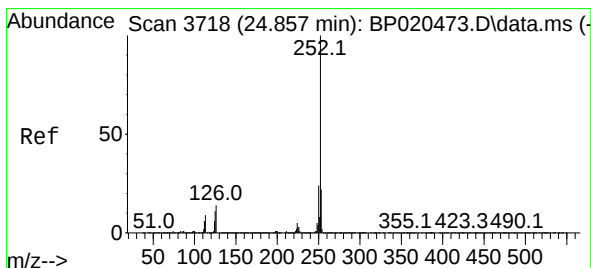
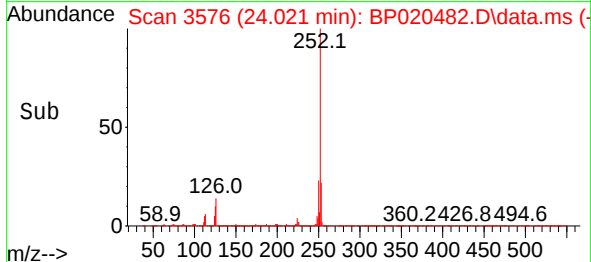
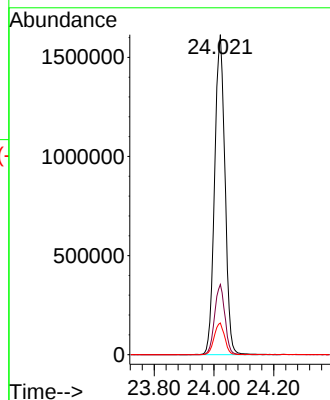
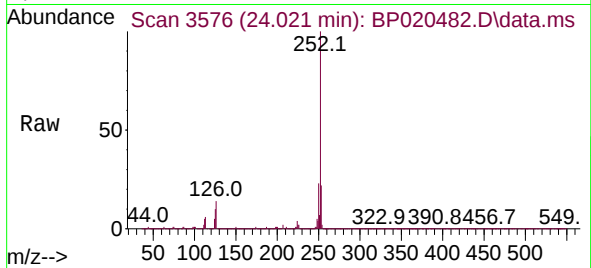
Tgt Ion:252 Resp: 3875683

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 9.9 7.8 11.6



#90

Benzo(a)pyrene

Concen: 40.433 ng

RT: 24.857 min Scan# 3718

Delta R.T. -0.000 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

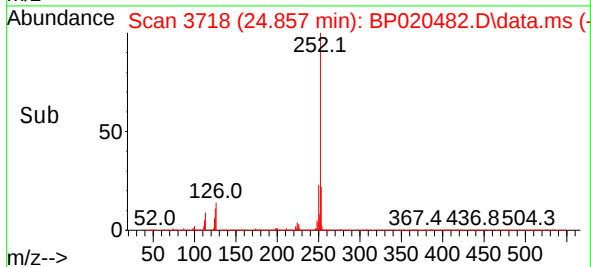
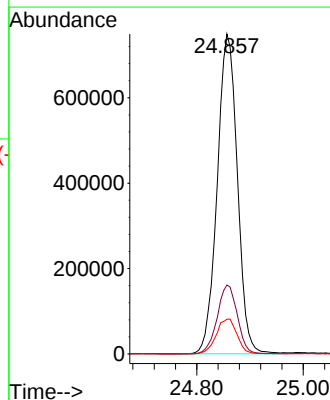
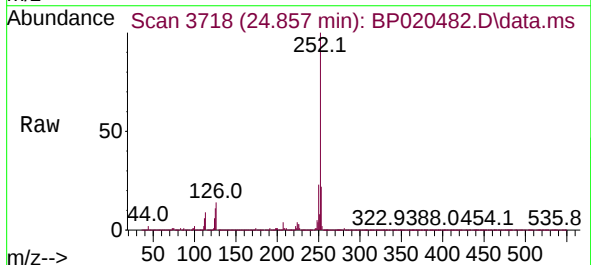
Tgt Ion:252 Resp: 1967915

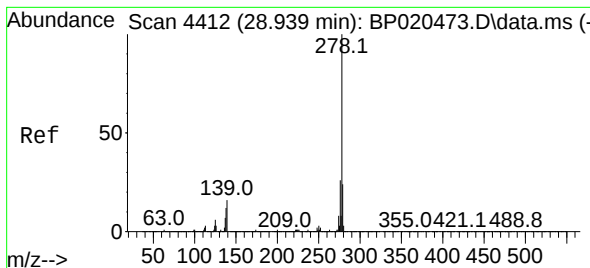
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

125 10.9 8.9 13.3





#91

Dibenzo(a,h)anthracene

Concen: 106.524 ng

RT: 28.945 min Scan# 4412

Delta R.T. 0.006 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PT-BNA-SOIL

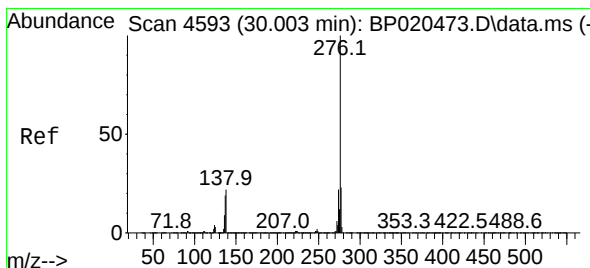
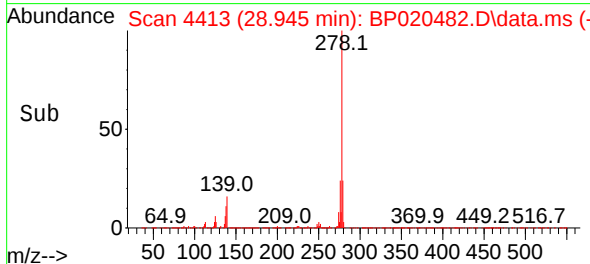
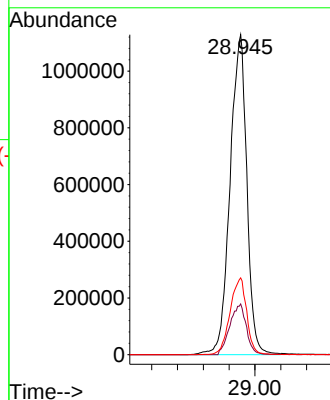
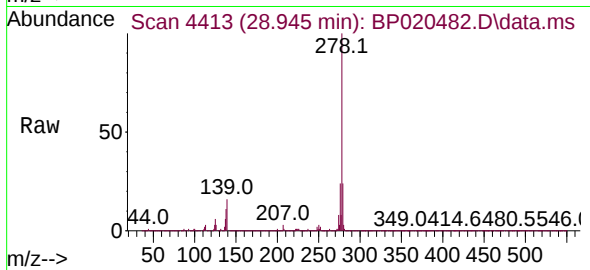
Tgt Ion:278 Resp: 5096838

Ion Ratio Lower Upper

278 100

139 15.9 13.0 19.4

279 24.0 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 70.485 ng

RT: 30.027 min Scan# 4597

Delta R.T. 0.023 min

Lab File: BP020482.D

Acq: 30 May 2024 11:31

Tgt Ion:276 Resp: 3370951

Ion Ratio Lower Upper

276 100

277 23.6 18.7 28.1

138 22.6 17.7 26.5

