

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081621\
 Data File : BP006682.D
 Acq On : 16 Aug 2021 13:55
 Operator : CG/JU
 Sample : M2250-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT3-2021-06

Quant Time: Aug 16 13:38:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP081021.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 16 11:01:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	161580	20.000	ng/u1	0.00
20) Naphthalene-d8	10.487	136	681188	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.351	164	398497	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.110	188	813264	20.000	ng/u1	0.00
79) Chrysene-d12	21.216	240	797796	20.000	ng/u1	0.00
88) Perylene-d12	23.533	264	830644	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.217	96	24555	5.140	ng/uL	0.00
4) Pyridine-d5	3.622	84	240325	17.500	ng/u1	0.00
7) Phenol-d5	6.881	99	356245	21.931	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.052	67	237371	23.778	ng/u1	0.00
11) 2-Chlorophenol-d4	7.240	132	283453	23.430	ng/u1	0.00
15) 4-Methylphenol-d8	8.416	113	269708	20.784	ng/u1	0.00
21) Nitrobenzene-d5	8.863	128	137617	23.800	ng/u1	0.00
24) 2-Nitrophenol-d4	9.581	143	138539	22.897	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.116	165	232897	22.783	ng/u1	0.00
31) 4-Chloroaniline-d4	10.634	131	364787	21.955	ng/u1	0.00
46) Dimethylphthalate-d6	13.769	166	756147	24.743	ng/u1	0.00
49) Acenaphthylene-d8	14.040	160	931350	24.846	ng/u1	0.00
54) 4-Nitrophenol-d4	14.563	143	138567	21.707	ng/u1	0.00
60) Fluorene-d10	15.345	176	624208	25.114	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.475	200	102307	19.032	ng/u1	0.00
73) Anthracene-d10	17.204	188	946542	24.599	ng/u1	0.00
81) Pyrene-d10	19.457	212	1026951	24.512	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.380	264	1138964	25.427	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.252	88	6186	1.274	ng/uL#	89
5) Pyridine	3.646	79	61901	4.354	ng/u1#	78
6) Benzaldehyde	6.858	77	48861	6.118	ng/u1	97
8) Phenol	6.910	94	70397	4.244	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.140	93	55789	4.363	ng/u1	97
12) 2-Chlorophenol	7.269	128	54564	4.473	ng/u1	98
13) 2-Methylphenol	8.152	108	48501	3.974	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.234	45	64857	4.341	ng/u1	99
16) Acetophenone	8.528	105	88811	4.347	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.516	70	46588	4.240	ng/u1	98
18) 4-Methylphenol	8.481	108	52936	3.989	ng/u1	93
19) Hexachloroethane	8.769	117	25237	4.754	ng/u1	93
22) Nitrobenzene	8.904	77	71522	4.725	ng/u1	99
23) Isophorone	9.434	82	123534	4.376	ng/u1	99
25) 2-Nitrophenol	9.610	139	27877	4.368	ng/u1	94
26) 2,4-Dimethylphenol	9.681	107	60083	4.383	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.922	93	73375	4.484	ng/u1	97
29) 2,4-Dichlorophenol	10.140	162	44251	4.462	ng/u1	96
30) Naphthalene	10.540	128	172792	4.674	ng/u1	100
32) 4-Chloroaniline	10.657	127	72525	4.448	ng/u1	99
33) Hexachlorobutadiene	10.822	225	28126	4.810	ng/u1	97
34) Caprolactam	11.469	113	14585	3.673	ng/u1	91
35) 4-Chloro-3-methylphenol	11.793	107	52897	4.170	ng/u1	99
36) 2-Methylnaphthalene	12.157	142	114176	4.494	ng/u1	100

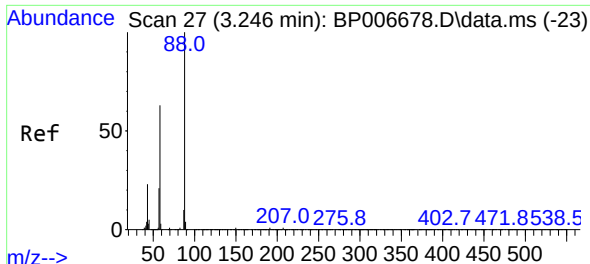
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.375	142	112300	4.442	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.528	216	50330	4.687	ng/ul	98
40) Hexachlorocyclopentadiene	12.504	237	26784	3.802	ng/ul	98
41) 2,4,6-Trichlorophenol	12.775	196	30929	4.194	ng/ul	99
42) 2,4,5-Trichlorophenol	12.845	196	34178	4.353	ng/ul	89
43) 1,1'-Biphenyl	13.181	154	143600	4.635	ng/ul	98
44) 2-Chloronaphthalene	13.222	162	108831	4.630	ng/ul	97
45) 2-Nitroaniline	13.434	65	31247	3.687	ng/ul	94
47) Dimethylphthalate	13.816	163	141102	4.668	ng/ul	98
48) 2,6-Dinitrotoluene	13.940	165	20574	3.526	ng/ul	91
50) Acenaphthylene	14.069	152	176516	4.817	ng/ul	99
51) 3-Nitroaniline	14.269	138	25143	3.763	ng/ul	94
52) Acenaphthene	14.416	153	122729	4.697	ng/ul	98
53) 2,4-Dinitrophenol	14.475	184	15693	4.159	ng/ul	97
55) 4-Nitrophenol	14.575	109	26537	4.636	ng/ul	89
56) Dibenzofuran	14.751	168	166068	4.753	ng/ul	99
57) 2,4-Dinitrotoluene	14.728	165	34072	3.970	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	14.981	232	27724	4.253	ng/ul	97
59) Diethylphthalate	15.192	149	144756	4.505	ng/ul	99
61) Fluorene	15.404	166	139053	4.773	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.404	204	61814	4.687	ng/ul	98
63) 4-Nitroaniline	15.434	138	25439	4.066	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.492	198	19849	3.694	ng/ul#	91
67) N-Nitrosodiphenylamine	15.622	169	115586	4.627	ng/ul	99
68) 4-Bromophenyl-phenylether	16.304	248	35675	4.448	ng/ul	95
69) Hexachlorobenzene	16.404	284	42765	4.718	ng/ul	96
70) Atrazine	16.586	200	33533	3.784	ng/ul	96
71) Pentachlorophenol	16.757	266	21381	3.601	ng/ul	98
72) Phenanthrene	17.151	178	216702	4.717	ng/ul	98
74) Anthracene	17.239	178	219337	4.701	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.140	216	48684	4.402	ng/ul	97
76) Pentachlorobenzene	14.669	250	47957	4.401	ng/ul	99
77) Carbazole	17.522	167	193974	4.451	ng/ul	99
78) Di-n-butylphthalate	18.086	149	224047	3.977	ng/ul	99
80) Fluoranthene	19.127	202	232320	4.412	ng/ul	99
82) Pyrene	19.480	202	249752	4.592	ng/ul	99
83) Butylbenzylphthalate	20.374	149	95930	3.568	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.139	252	81064	4.453	ng/ul	99
85) Benzo(a)anthracene	21.198	228	238884	4.597	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.139	149	151770	3.663	ng/ul	98
87) Chrysene	21.251	228	232694	4.644	ng/ul	99
89) Di-n-octyl phthalate	22.045	149	257126	3.581	ng/ul	100
90) Benzo(b)fluoranthene	22.827	252	246390	4.566	ng/ul	99
91) Benzo(k)fluoranthene	22.874	252	236760	4.532	ng/ul	98
93) Benzo(a)pyrene	23.427	252	220093	4.503	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.915	276	286644	4.485	ng/ul	98
95) Dibenzo(a,h)anthracene	25.939	278	242232	4.512	ng/ul	99
96) Benzo(g,h,i)perylene	26.651	276	235818	4.444	ng/ul	98

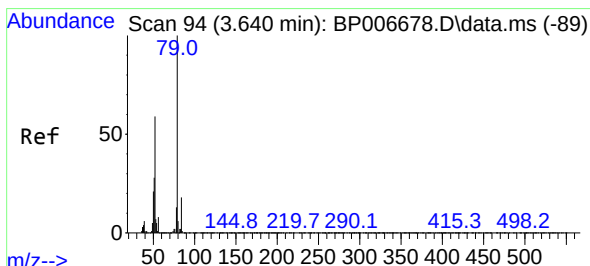
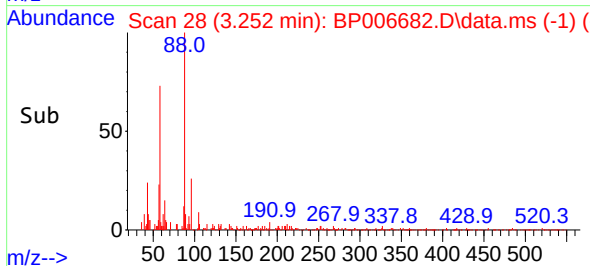
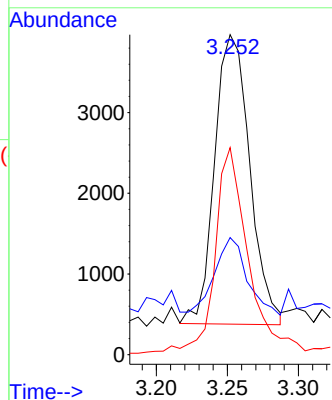
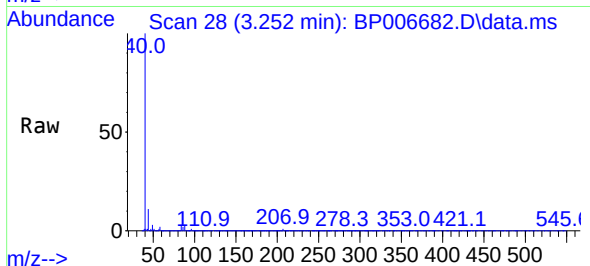
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#2
1,4-Dioxane
Concen: 1.274 ng/uL
RT: 3.252 min Scan# 28
Delta R.T. 0.006 min
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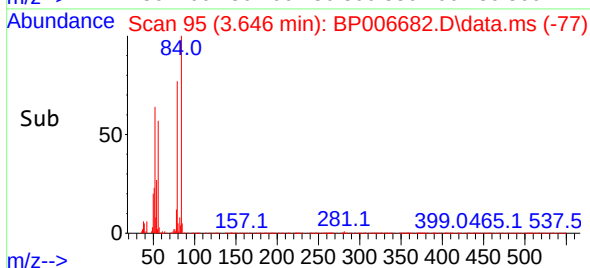
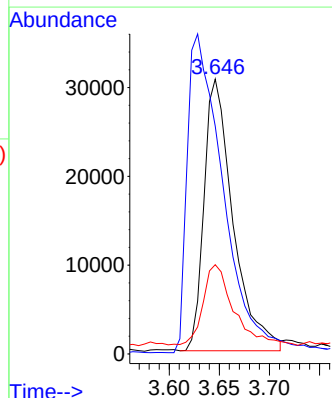
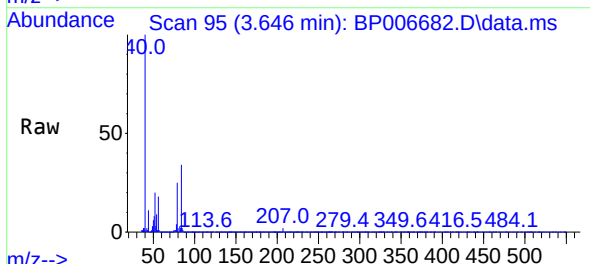
Instrument :
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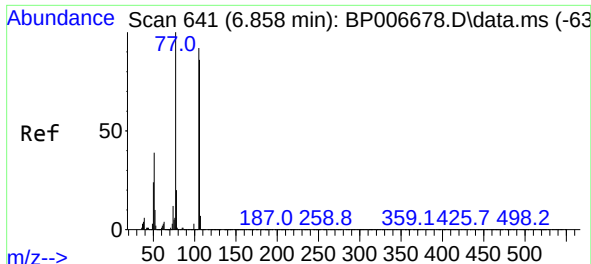
Tgt Ion: 88 Resp: 6186
Ion Ratio Lower Upper
88 100
43 36.6 20.1 30.1#
58 64.7 48.4 72.6



#5
Pyridine
Concen: 4.354 ng/uL
RT: 3.646 min Scan# 95
Delta R.T. 0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

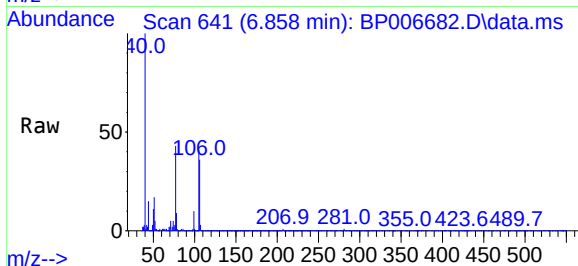
Tgt Ion: 79 Resp: 61901
Ion Ratio Lower Upper
79 100
52 82.9 49.2 73.8#
51 32.5 22.7 34.1



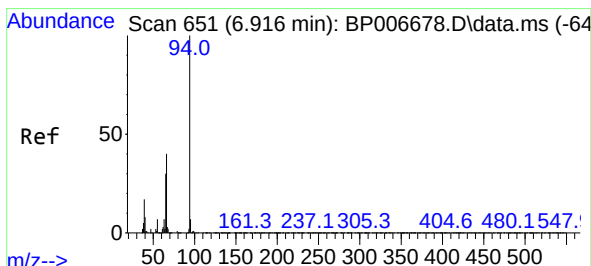
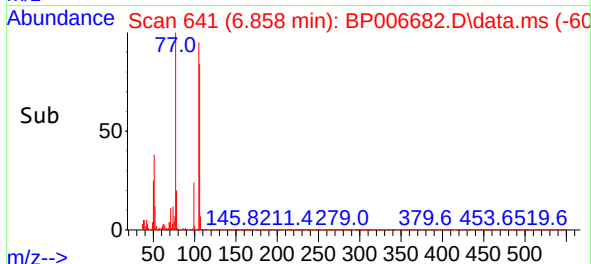
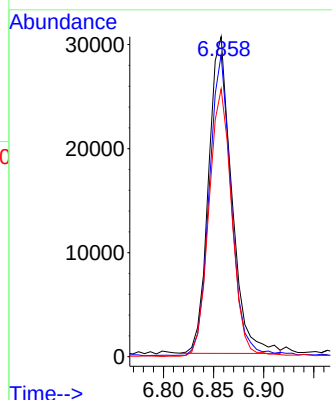


#6
Benzaldehyde
Concen: 6.118 ng/ul
RT: 6.858 min Scan# 641
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

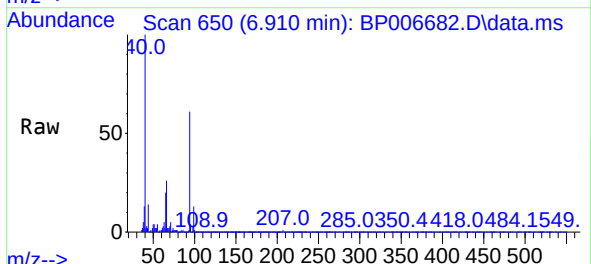
Instrument :
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ClientSampleId :
MDL-SOIL-QT3-2021-06



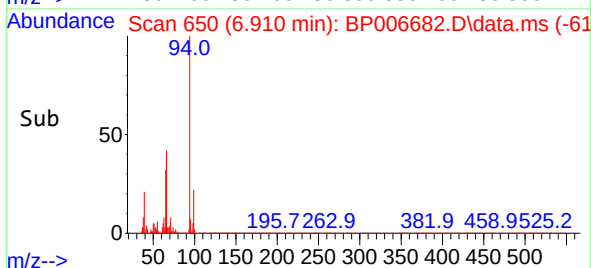
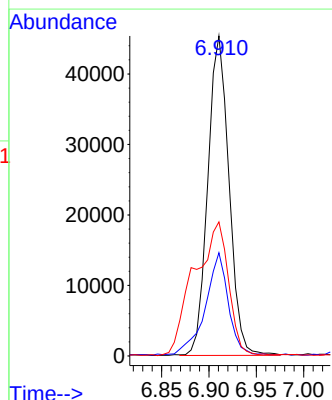
Tgt Ion: 77 Resp: 48861
Ion Ratio Lower Upper
77 100
105 94.4 74.4 111.6
106 83.7 70.3 105.5

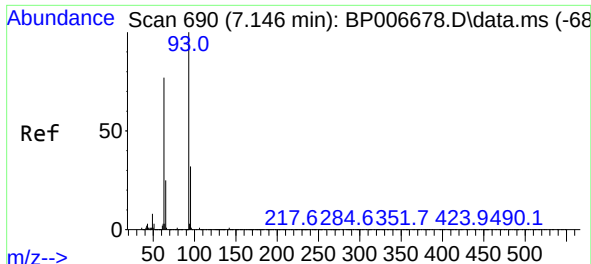


#8
Phenol
Concen: 4.244 ng/ul
RT: 6.910 min Scan# 650
Delta R.T. -0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55



Tgt Ion: 94 Resp: 70397
Ion Ratio Lower Upper
94 100
65 32.2 24.4 36.6
66 41.9 31.8 47.6

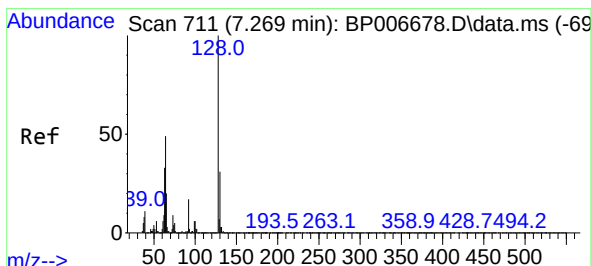
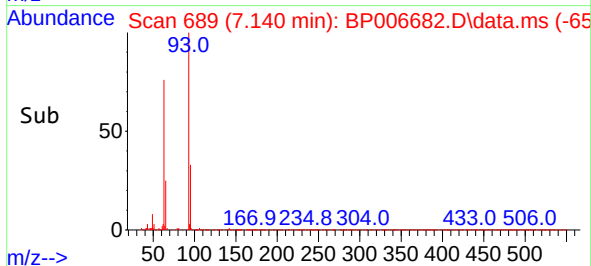
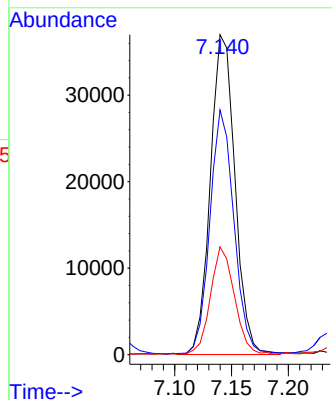
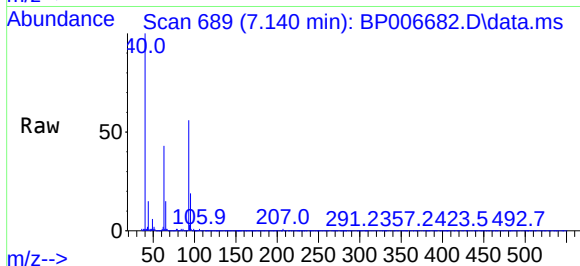




#10
Bis(2-Chloroethyl)ether
Concen: 4.363 ng/ul
RT: 7.140 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

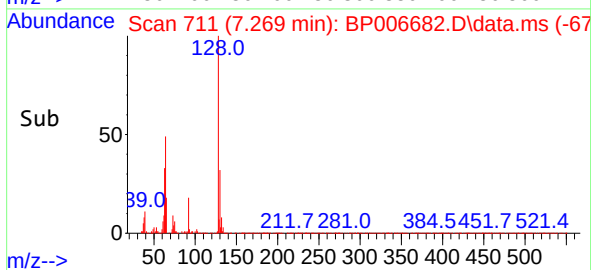
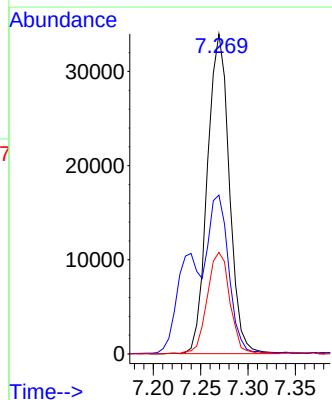
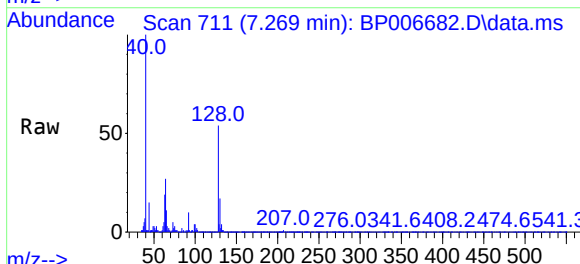
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT3-2021-06

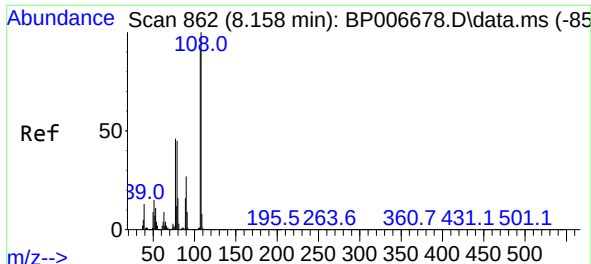
Tgt Ion:	93	Resp:	55789
Ion	Ratio	Lower	Upper
93	100		
63	76.5	59.7	89.5
95	33.7	25.3	37.9



#12
2-Chlorophenol
Concen: 4.473 ng/ul
RT: 7.269 min Scan# 711
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	128	Resp:	54564
Ion	Ratio	Lower	Upper
128	100		
64	49.6	40.6	60.8
130	31.8	26.4	39.6

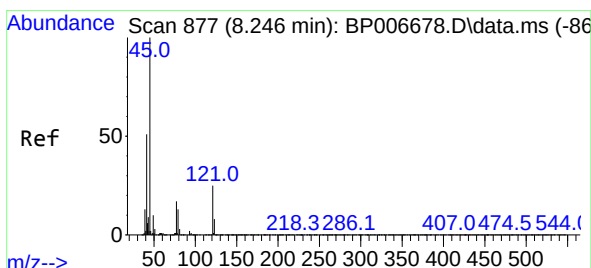
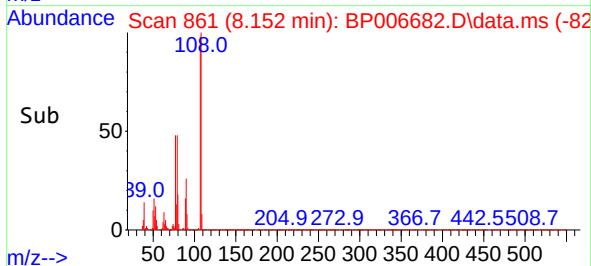
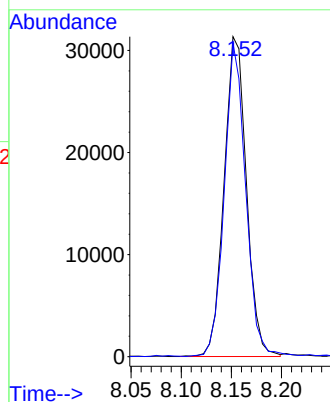
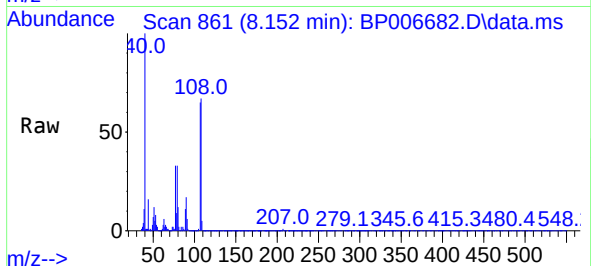




#13
2-Methylphenol
Concen: 3.974 ng/ul
RT: 8.152 min Scan# 861
Delta R.T. -0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

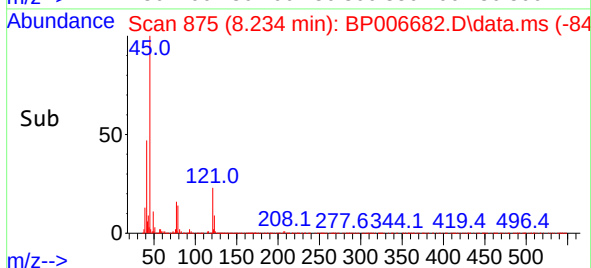
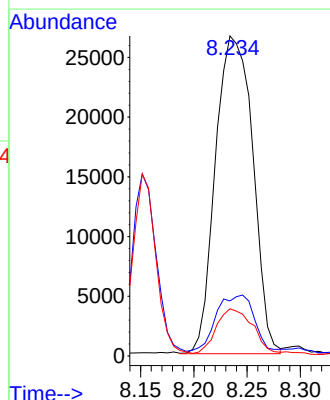
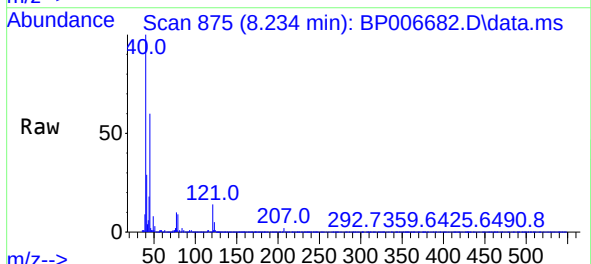
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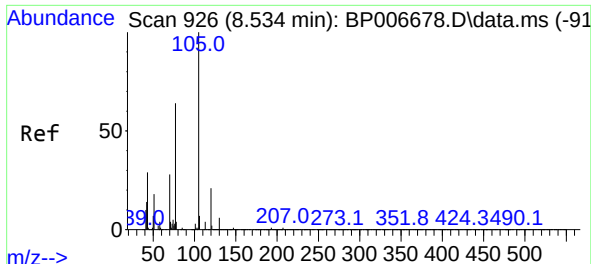
Tgt Ion:108 Resp: 48501
Ion Ratio Lower Upper
108 100
107 98.0 72.2 108.2



#14
2,2'-oxybis(1-Chloropropane)
Concen: 4.341 ng/ul
RT: 8.234 min Scan# 875
Delta R.T. -0.012 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion: 45 Resp: 64857
Ion Ratio Lower Upper
45 100
77 17.2 13.8 20.8
79 14.8 10.9 16.3

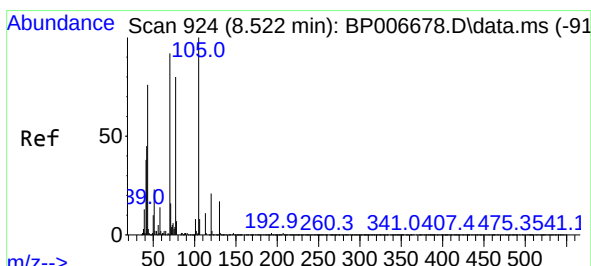
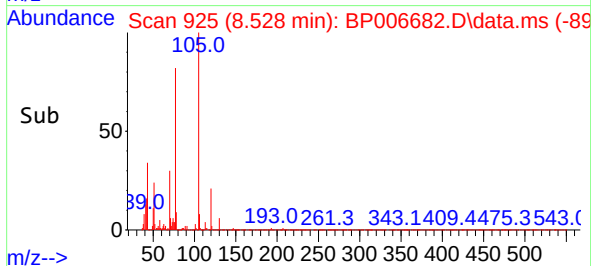
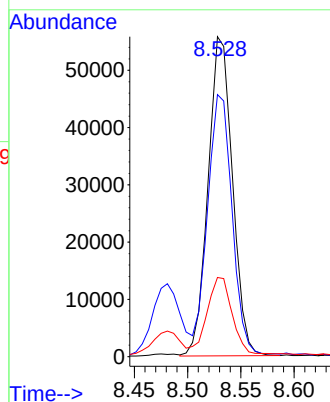
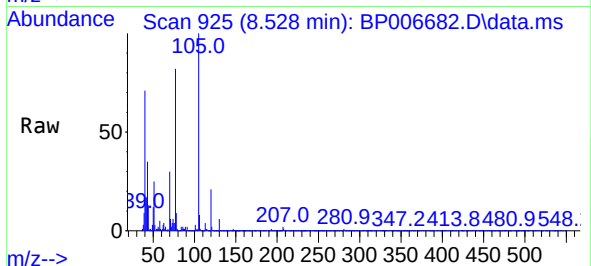




#16
Acetophenone
Concen: 4.347 ng/ul
RT: 8.528 min Scan# 925
Delta R.T. -0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

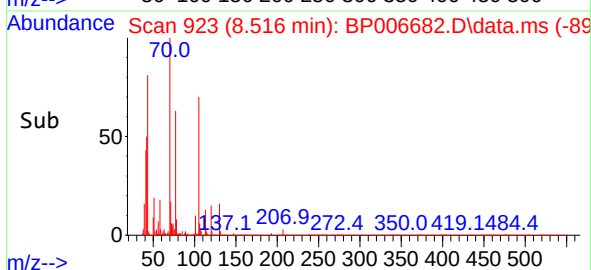
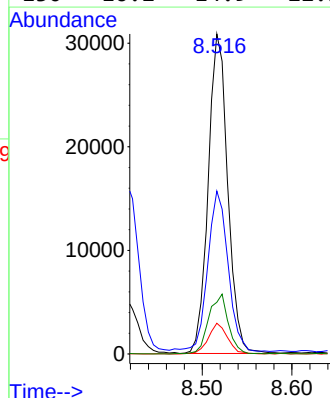
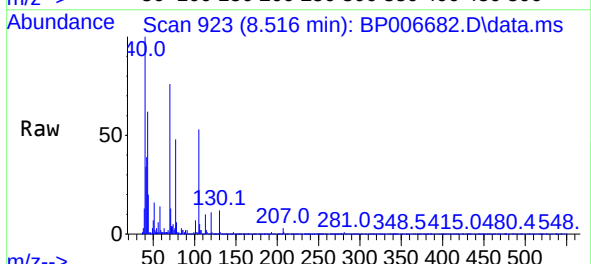
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT3-2021-06

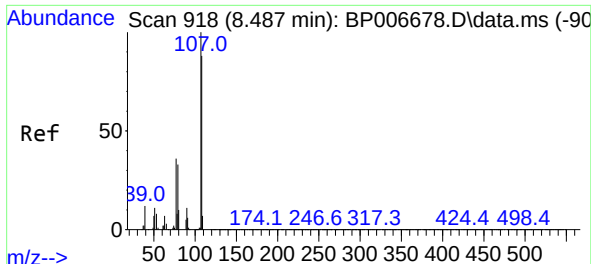
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Ion Ratio	Lower	Upper	
105	100		
77	81.9	67.0	100.4
51	24.7	19.0	28.6



#17
N-Nitroso-di-n-propylamine
Concen: 4.240 ng/ul
RT: 8.516 min Scan# 923
Delta R.T. -0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	70	Resp:	46588
Ion Ratio	Lower	Upper	
70	100		
42	50.9	40.4	60.6
101	9.6	7.2	10.8
130	16.2	14.9	22.3

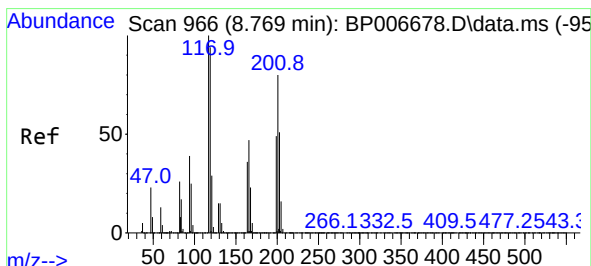
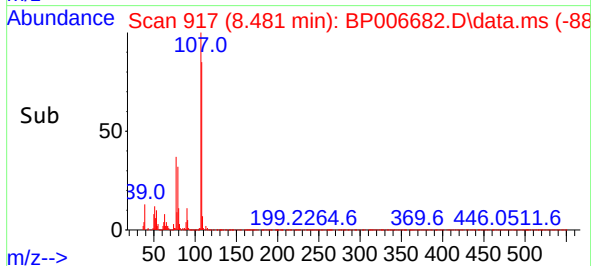
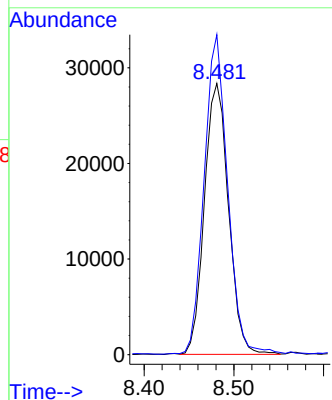
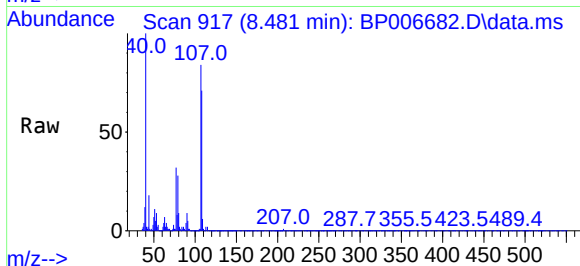




#18
4-Methylphenol
Concen: 3.989 ng/ul
RT: 8.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

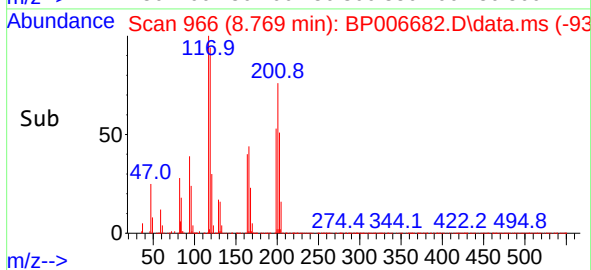
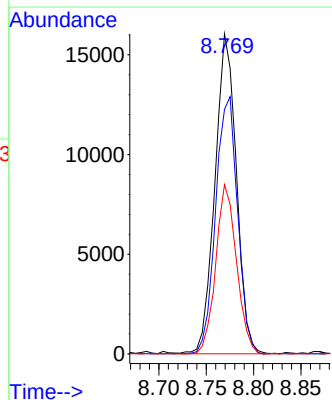
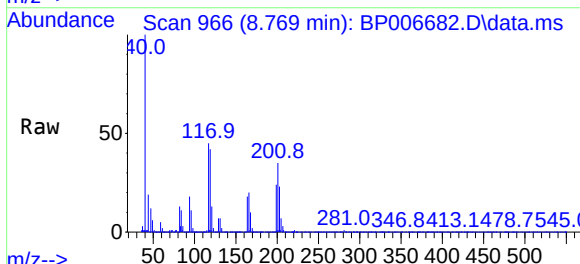
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT3-2021-06

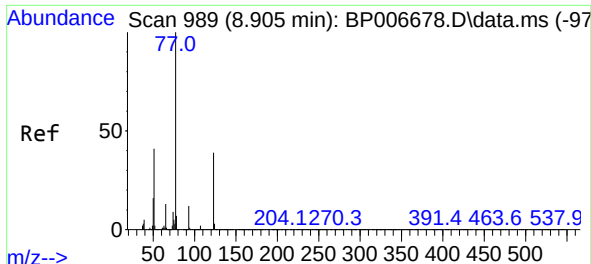
Tgt Ion:108 Resp: 52936
Ion Ratio Lower Upper
108 100
107 118.0 88.6 133.0



#19
Hexachloroethane
Concen: 4.754 ng/ul
RT: 8.769 min Scan# 966
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:117 Resp: 25237
Ion Ratio Lower Upper
117 100
201 76.5 68.2 102.2
199 52.9 43.5 65.3

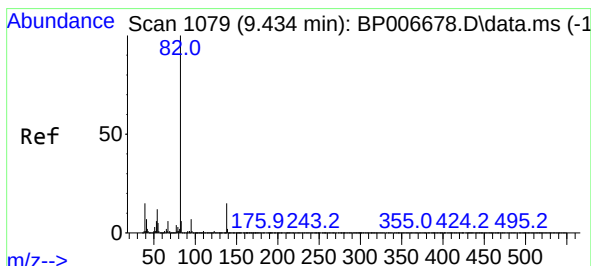
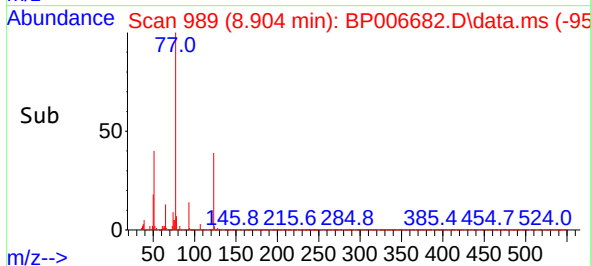
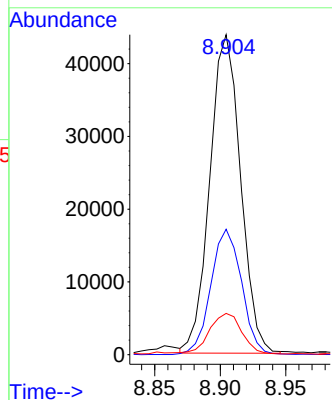
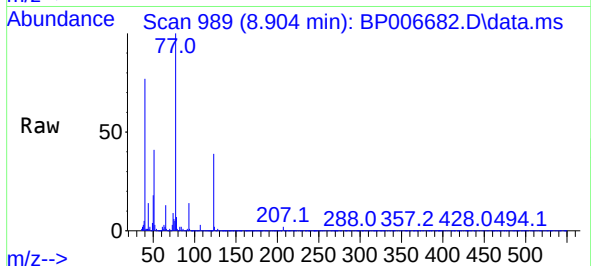




#22
Nitrobenzene
Concen: 4.725 ng/ul
RT: 8.904 min Scan# 989
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

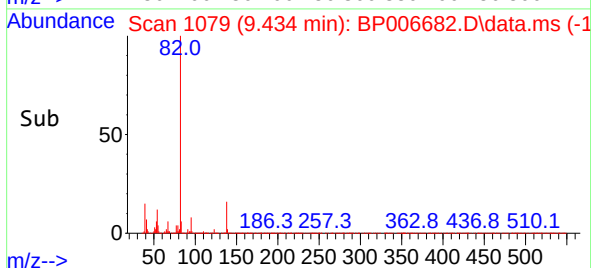
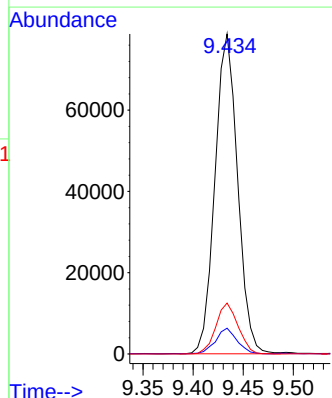
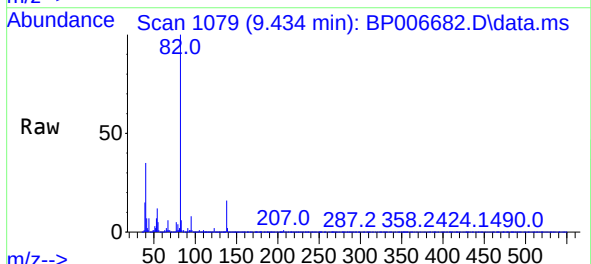
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT3-2021-06

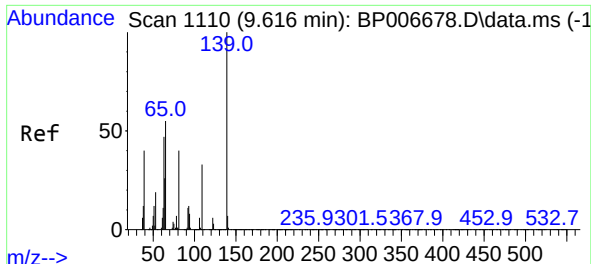
Tgt Ion:	77	Resp:	71522
Ion	Ratio	Lower	Upper
77	100		
123	39.2	31.1	46.7
65	12.9	10.6	16.0



#23
Isophorone
Concen: 4.376 ng/ul
RT: 9.434 min Scan# 1079
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	82	Resp:	123534
Ion	Ratio	Lower	Upper
82	100		
95	8.0	5.8	8.8
138	15.9	12.5	18.7

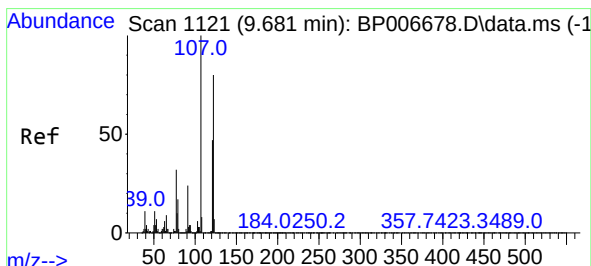
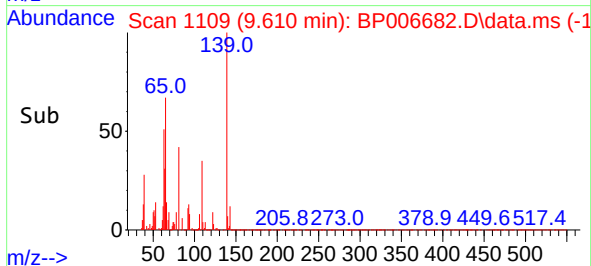
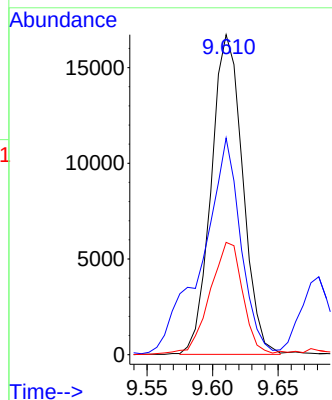
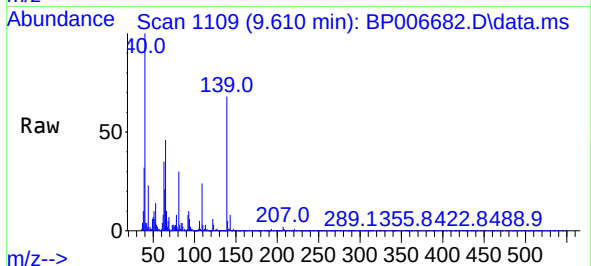




#25
2-Nitrophenol
Concen: 4.368 ng/ul
RT: 9.610 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

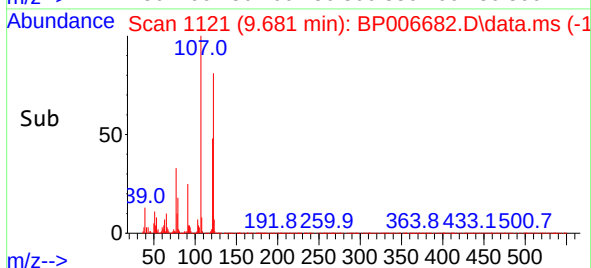
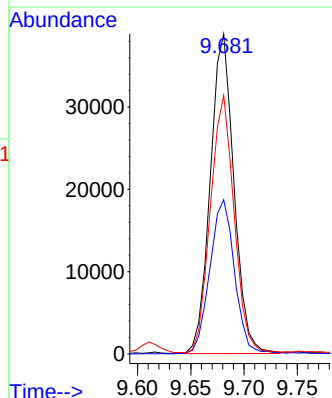
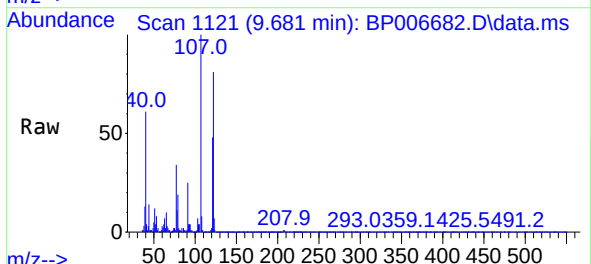
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT3-2021-06

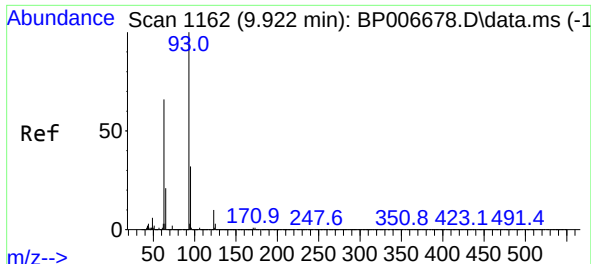
Tgt Ion:	139	Resp:	27877
Ion Ratio	Lower	Upper	
139	100		
65	67.7	48.4	72.6
109	35.1	28.2	42.2



#26
2,4-Dimethylphenol
Concen: 4.383 ng/ul
RT: 9.681 min Scan# 1121
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	107	Resp:	60083
Ion Ratio	Lower	Upper	
107	100		
121	48.2	38.1	57.1
122	80.7	64.2	96.4

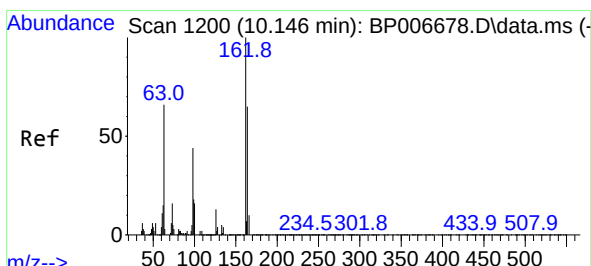
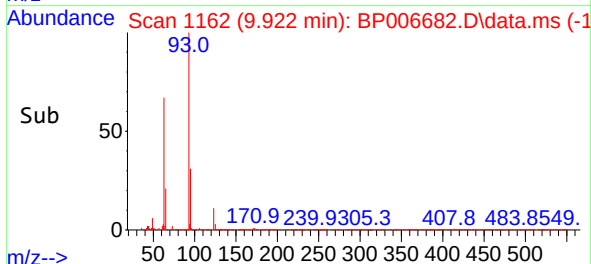
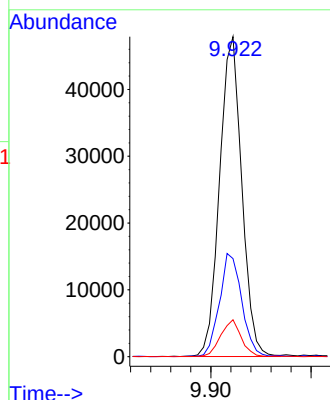
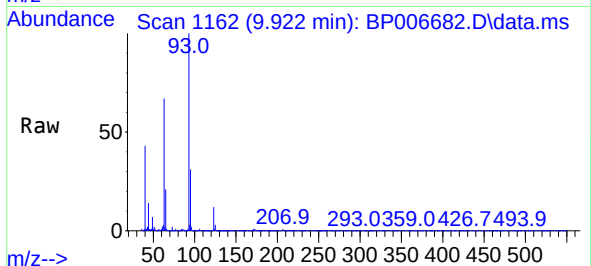




#27
Bis(2-Chloroethoxy)methane
Concen: 4.484 ng/ul
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

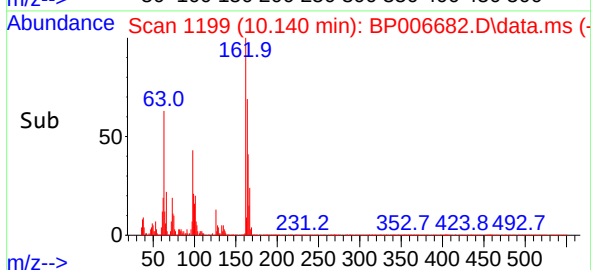
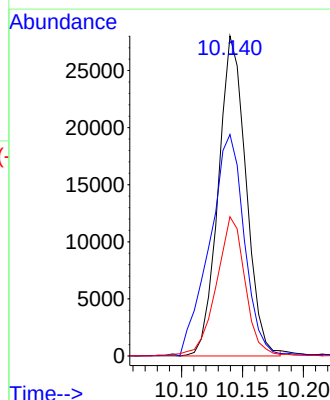
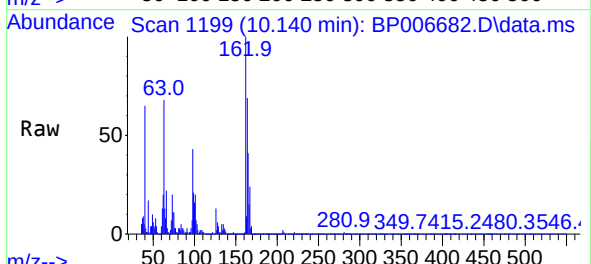
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT3-2021-06

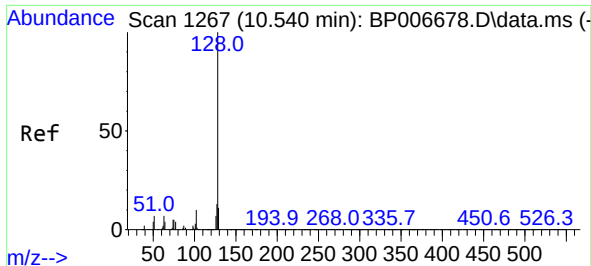
Tgt Ion:	93	Resp:	73375
Ion	Ratio	Lower	Upper
93	100		
95	30.6	25.6	38.4
123	11.6	8.2	12.4



#29
2,4-Dichlorophenol
Concen: 4.462 ng/ul
RT: 10.140 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	162	Resp:	44251
Ion	Ratio	Lower	Upper
162	100		
164	69.2	52.0	78.0
98	43.5	34.3	51.5

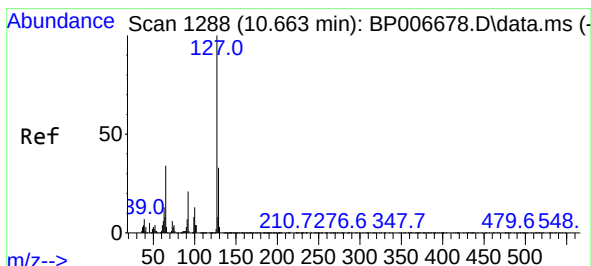
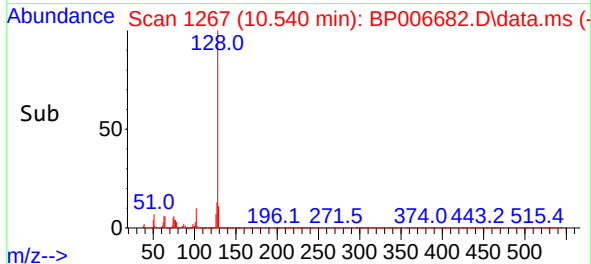
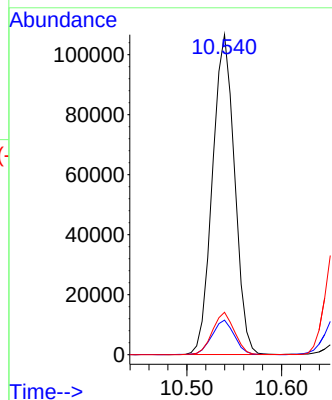
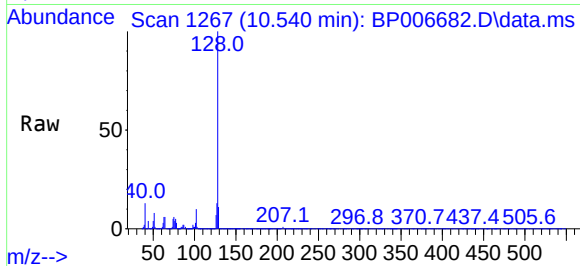




#30
Naphthalene
Concen: 4.674 ng/ul
RT: 10.540 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

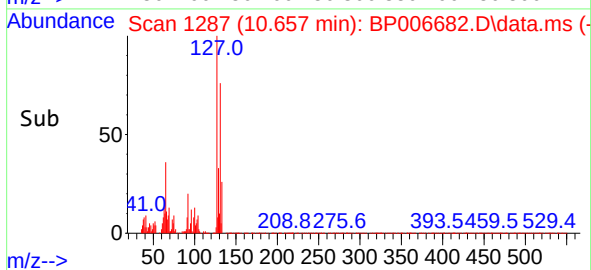
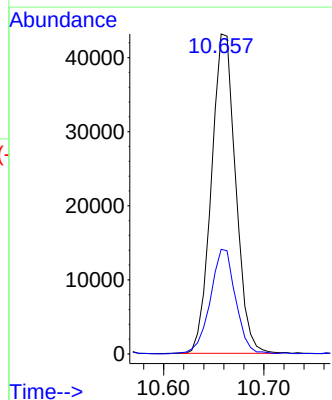
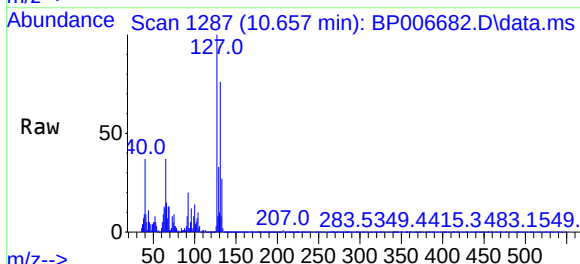
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT3-2021-06

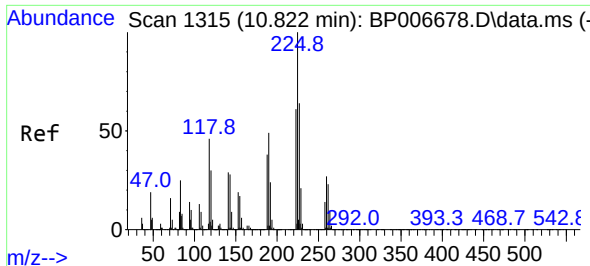
Tgt Ion:	128	Resp:	172792
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.3	10.6	15.8



#32
4-Chloroaniline
Concen: 4.448 ng/ul
RT: 10.657 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	127	Resp:	72525
Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.7	38.5

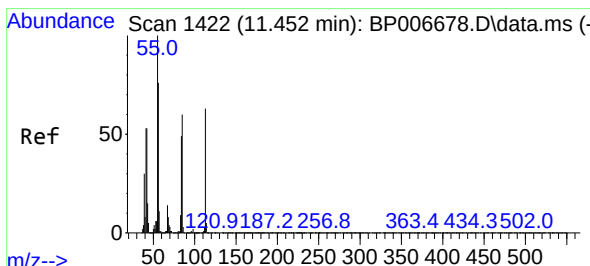
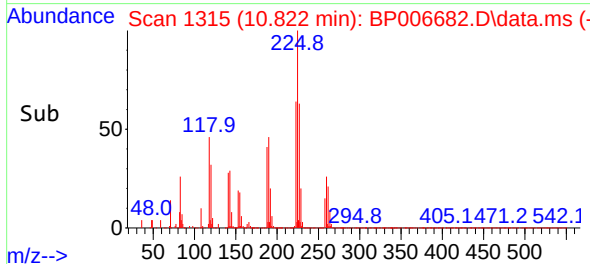
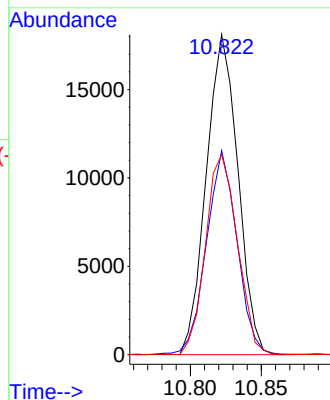
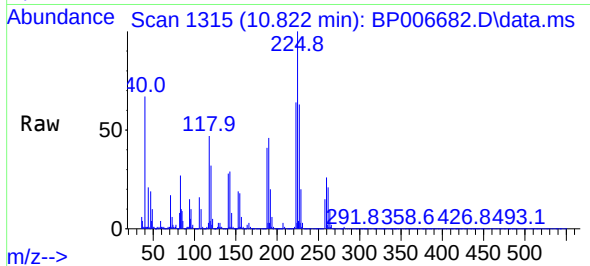




#33
Hexachlorobutadiene
Concen: 4.810 ng/ul
RT: 10.822 min Scan# 1315
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

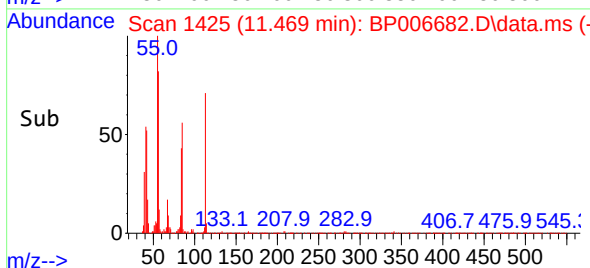
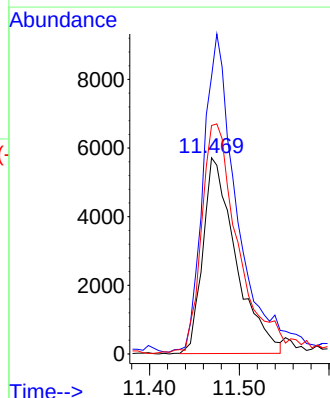
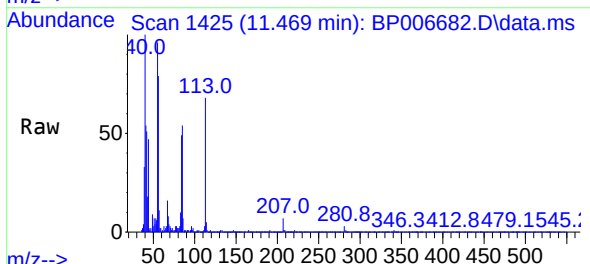
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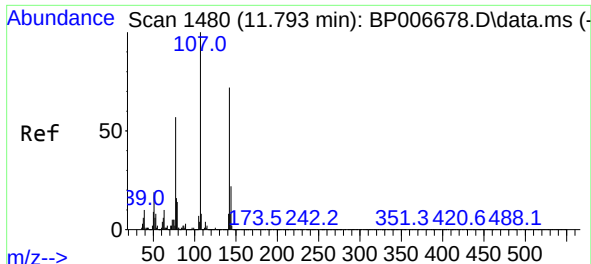
Tgt Ion:	225	Resp:	28126
Ion Ratio	Lower	Upper	
225	100		
223	63.8	48.2	72.2
227	62.5	49.6	74.4



#34
Caprolactam
Concen: 3.673 ng/ul
RT: 11.469 min Scan# 1425
Delta R.T. 0.018 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	113	Resp:	14585
Ion Ratio	Lower	Upper	
113	100		
55	141.4	125.8	188.6
56	116.4	98.2	147.2

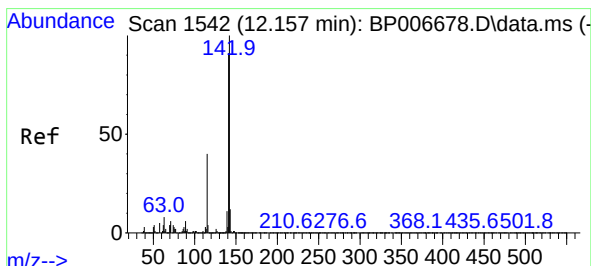
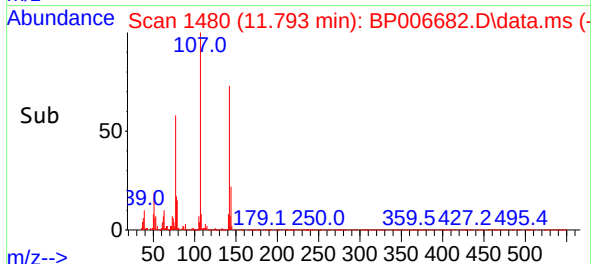
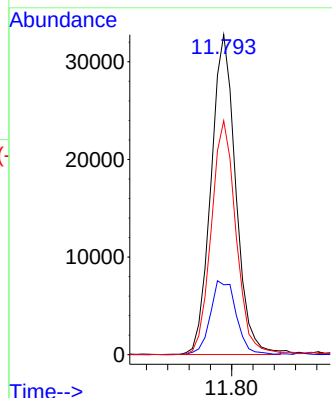
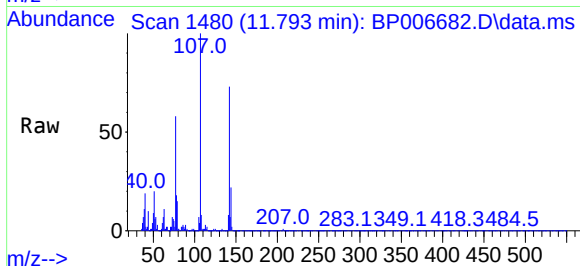




#35
4-Chloro-3-methylphenol
Concen: 4.170 ng/ul
RT: 11.793 min Scan# 1480
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

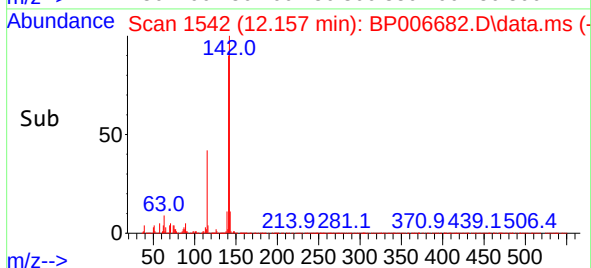
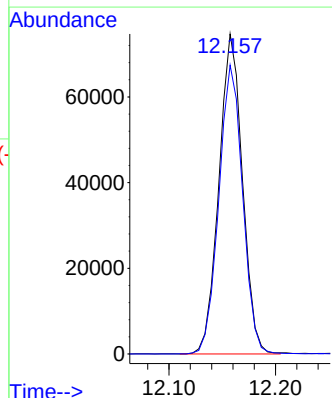
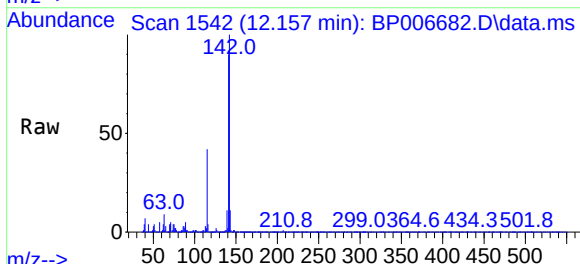
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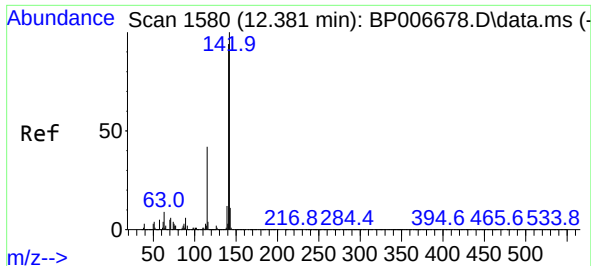
Tgt Ion:	107	Resp:	52897
Ion	Ratio	Lower	Upper
107	100		
144	21.9	18.8	28.2
142	73.1	58.4	87.6



#36
2-Methylnaphthalene
Concen: 4.494 ng/ul
RT: 12.157 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	142	Resp:	114176
Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.3	108.5

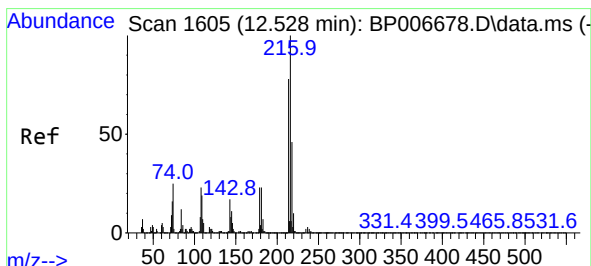
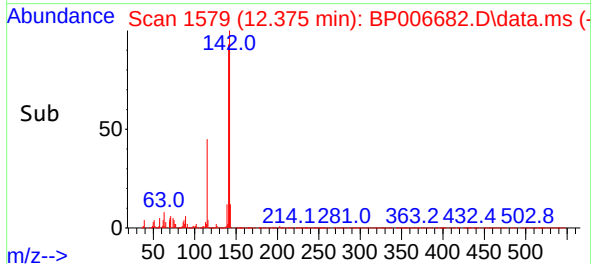
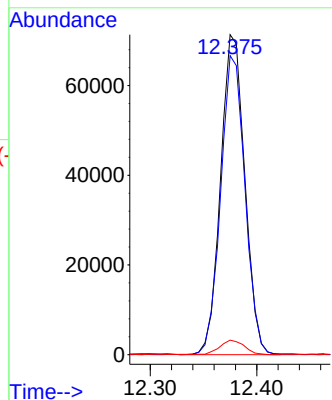
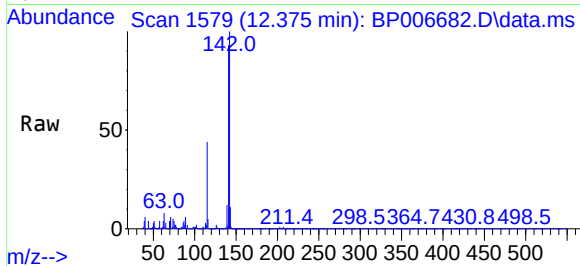




#37
1-Methylnaphthalene
Concen: 4.442 ng/ul
RT: 12.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

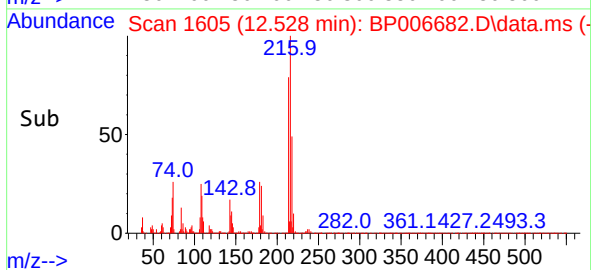
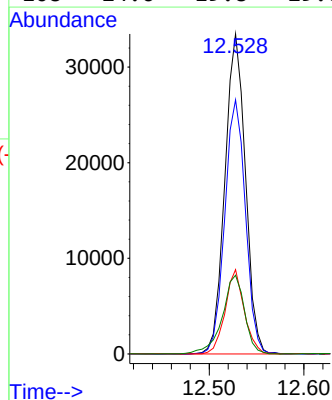
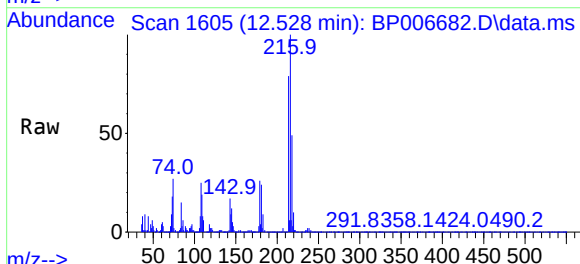
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT3-2021-06

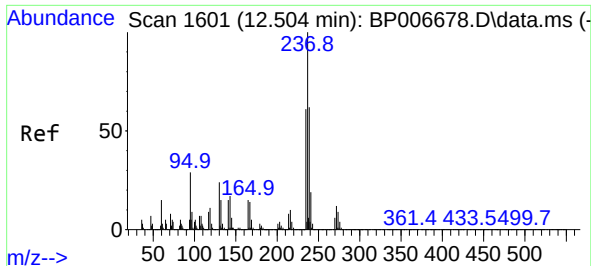
Tgt Ion:142 Resp: 112300
Ion Ratio Lower Upper
142 100
141 93.4 74.9 112.3
116 4.5 3.3 4.9



#39
1,2,4,5-Tetrachlorobenzene
Concen: 4.687 ng/ul
RT: 12.528 min Scan# 1605
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:216 Resp: 50330
Ion Ratio Lower Upper
216 100
214 79.4 64.3 96.5
179 26.3 19.3 28.9
108 24.6 19.8 29.6

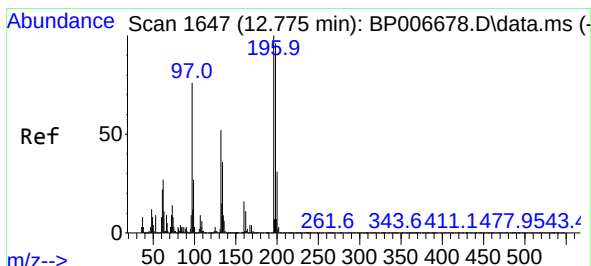
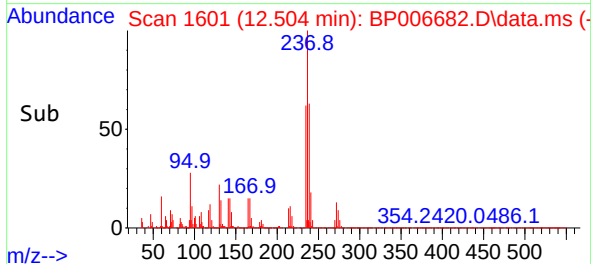
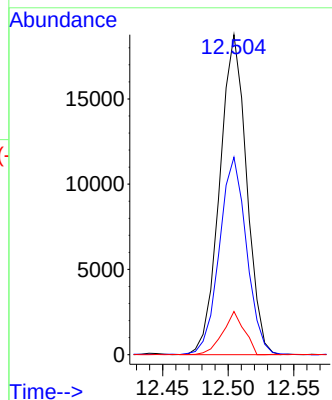
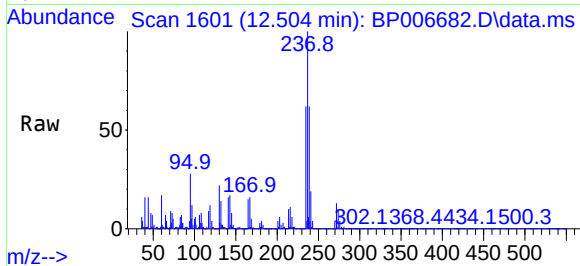




#40
Hexachlorocyclopentadiene
Concen: 3.802 ng/ul
RT: 12.504 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

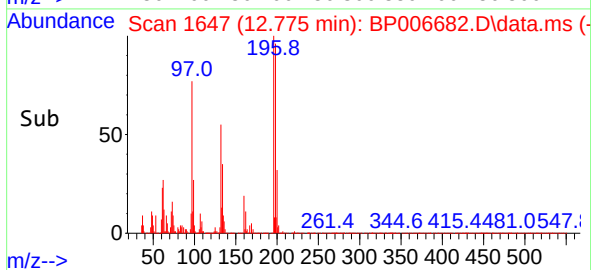
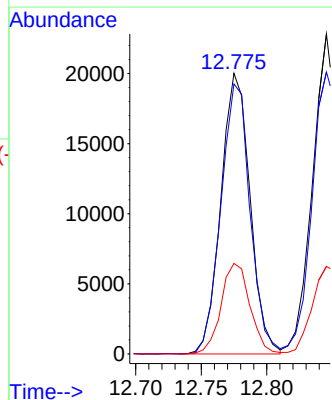
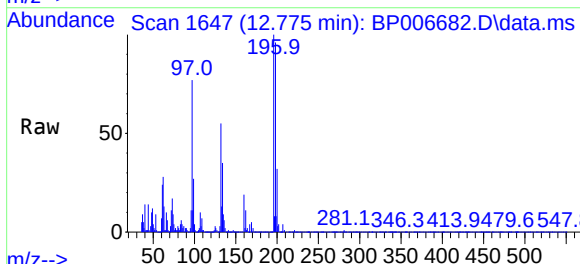
Instrument :
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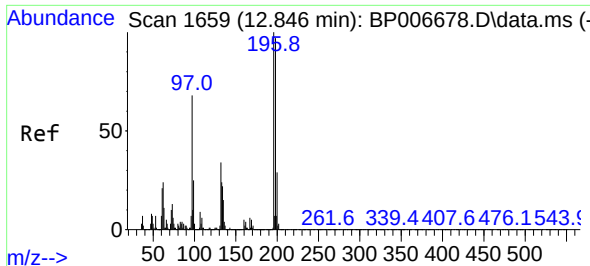
Tgt Ion:	237	Resp:	26784
Ion	Ratio	Lower	Upper
237	100		
235	61.7	50.4	75.6
272	13.5	9.7	14.5



#41
2,4,6-Trichlorophenol
Concen: 4.194 ng/ul
RT: 12.775 min Scan# 1647
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	196	Resp:	30929
Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.2	114.4
200	32.3	24.6	36.8

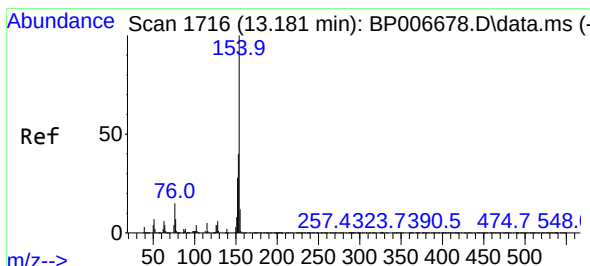
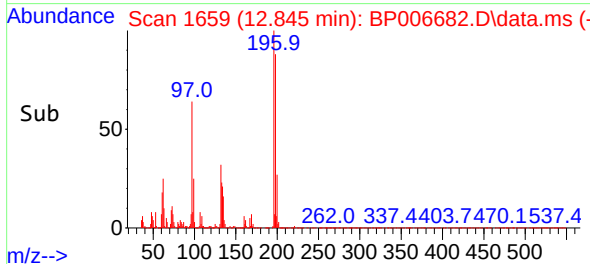
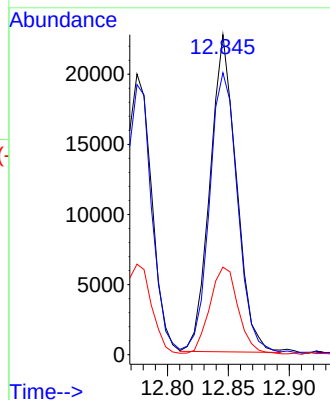
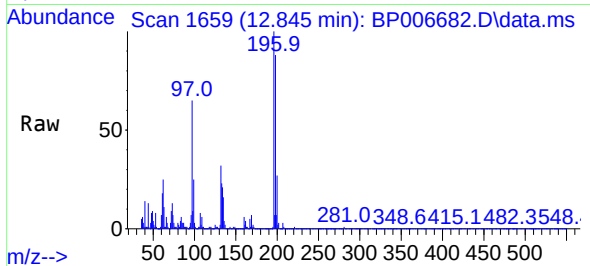




#42
2,4,5-Trichlorophenol
Concen: 4.353 ng/ul
RT: 12.845 min Scan# 1659
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

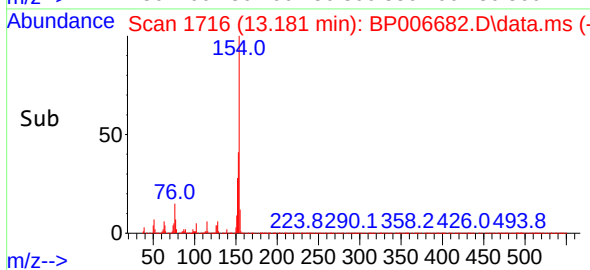
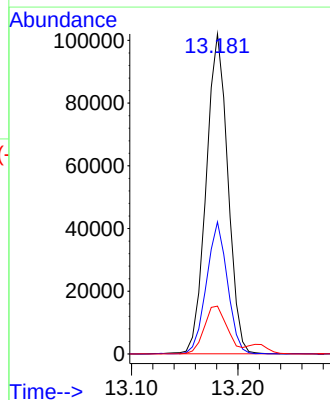
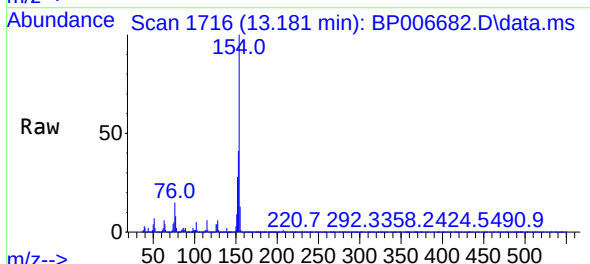
Instrument :
BNA_P
ClientSampleId :
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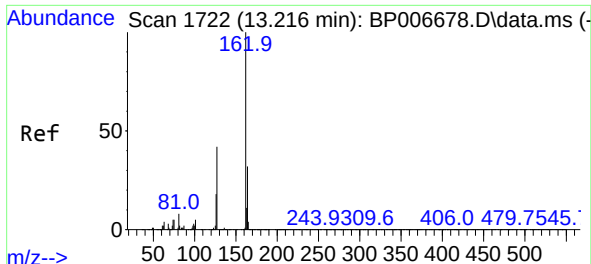
Tgt Ion:	196	Resp:	34178
Ion Ratio	Lower	Upper	
196	100		
198	88.1	79.3	118.9
200	27.4	25.8	38.8



#43
1,1'-Biphenyl
Concen: 4.635 ng/ul
RT: 13.181 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	154	Resp:	143600
Ion Ratio	Lower	Upper	
154	100		
153	41.2	32.4	48.6
76	14.9	12.9	19.3

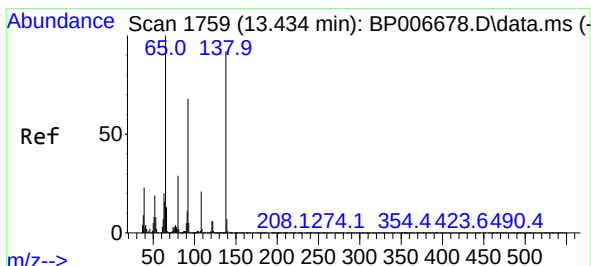
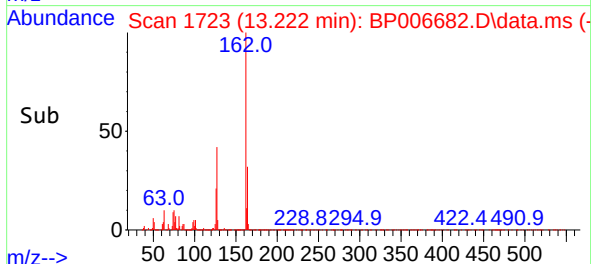
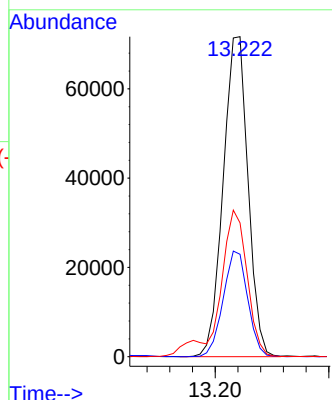
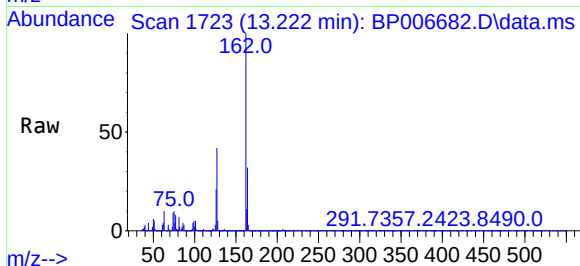




#44
2-Chloronaphthalene
Concen: 4.630 ng/ul
RT: 13.222 min Scan# 1723
Delta R.T. 0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

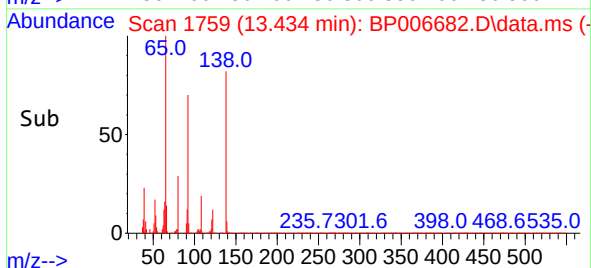
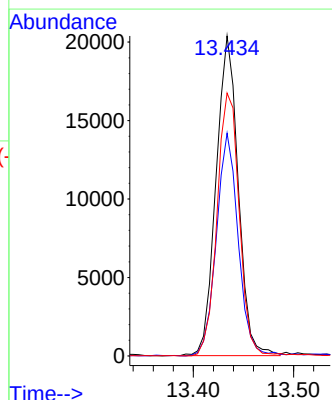
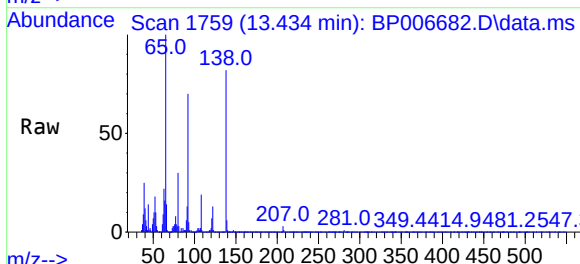
Instrument :
BNA_P
ClientSampleId :
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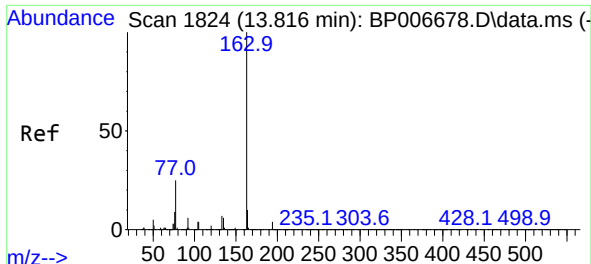
Tgt Ion:162 Resp: 108831
Ion Ratio Lower Upper
162 100
164 32.0 25.6 38.4
127 41.8 36.2 54.2



#45
2-Nitroaniline
Concen: 3.687 ng/ul
RT: 13.434 min Scan# 1759
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion: 65 Resp: 31247
Ion Ratio Lower Upper
65 100
92 69.6 53.7 80.5
138 82.1 71.4 107.2

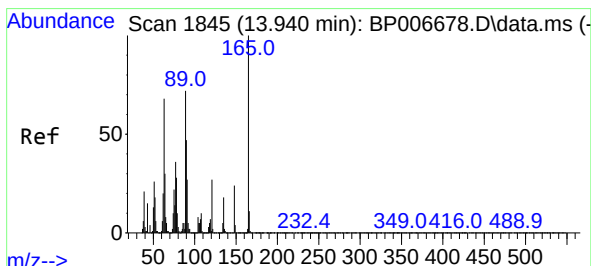
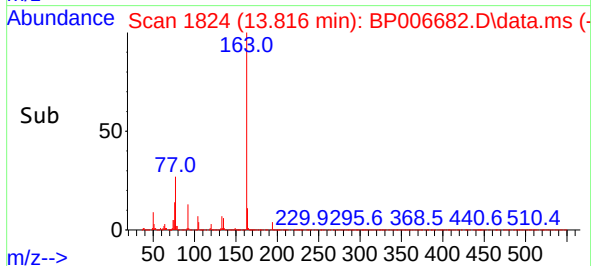
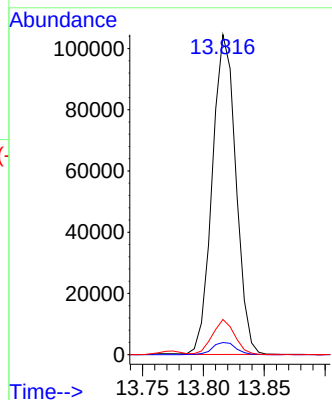
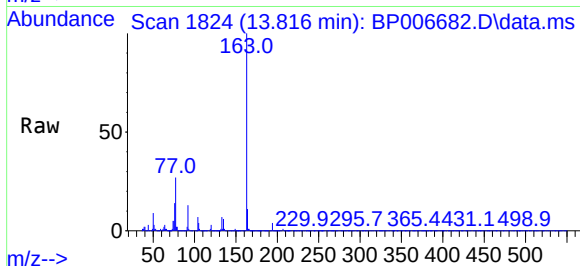




#47
Dimethylphthalate
Concen: 4.668 ng/ul
RT: 13.816 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

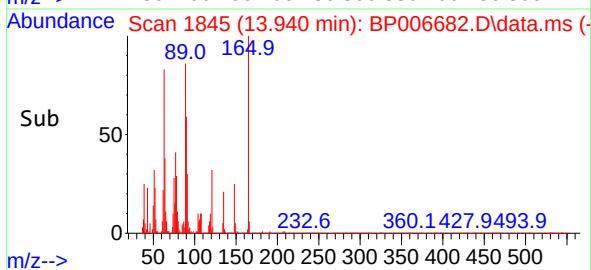
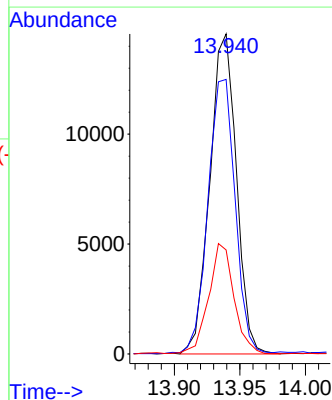
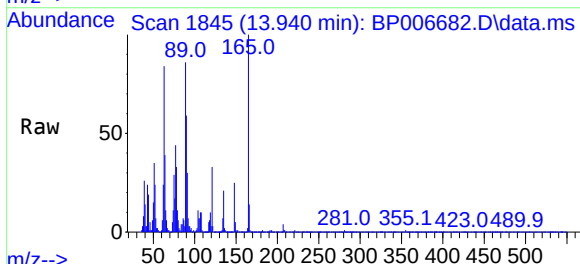
Instrument :
BNA_P
ClientSampleId :
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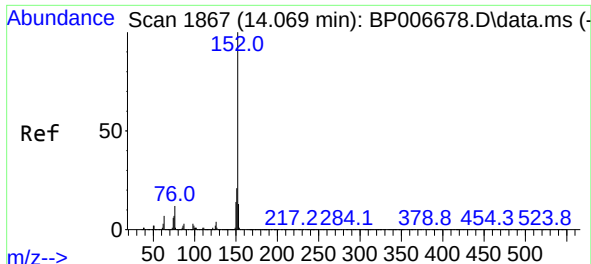
Tgt Ion:163 Resp: 141102
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 11.0 7.8 11.8



#48
2,6-Dinitrotoluene
Concen: 3.526 ng/ul
RT: 13.940 min Scan# 1845
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:165 Resp: 20574
Ion Ratio Lower Upper
165 100
89 85.8 62.2 93.2
121 32.5 22.1 33.1

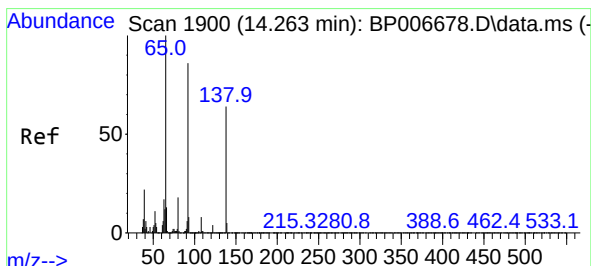
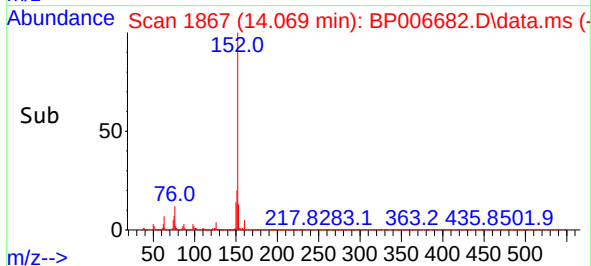
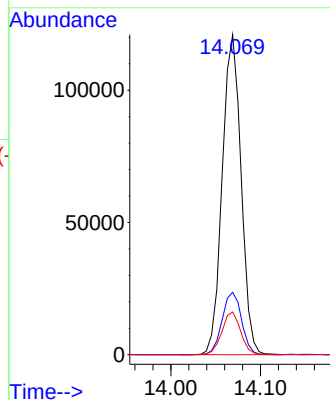
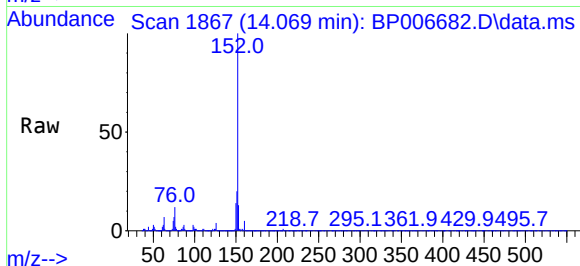




#50
Acenaphthylene
Concen: 4.817 ng/ul
RT: 14.069 min Scan# 1867
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

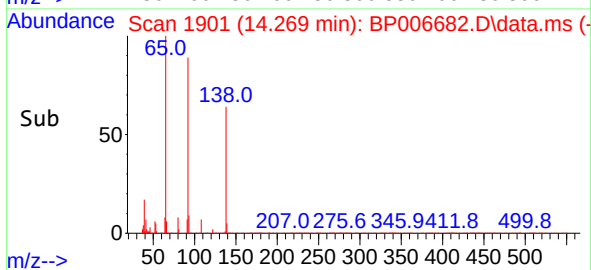
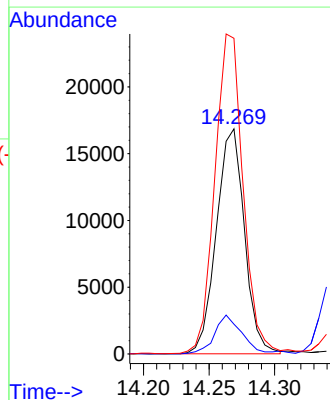
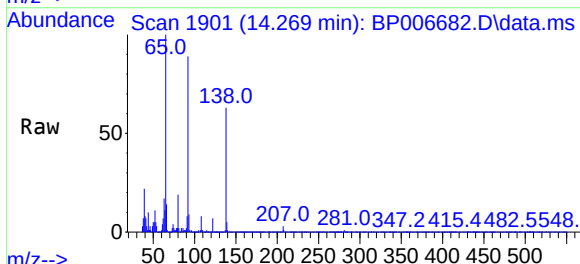
Instrument :
BNA_P
ClientSampleId :
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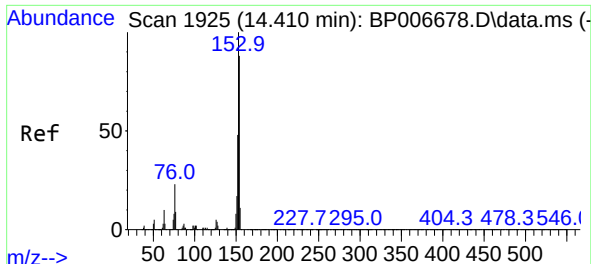
Tgt Ion:	152	Resp:	176516
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.9	23.9
153	13.4	10.4	15.6



#51
3-Nitroaniline
Concen: 3.763 ng/ul
RT: 14.269 min Scan# 1901
Delta R.T. 0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	138	Resp:	25143
Ion Ratio	Lower	Upper	
138	100		
108	13.2	9.7	14.5
92	140.2	106.7	160.1

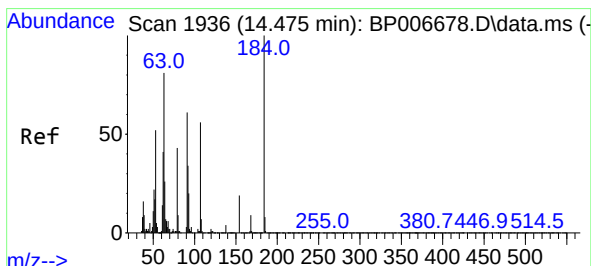
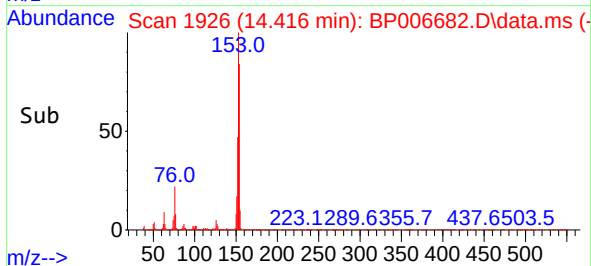
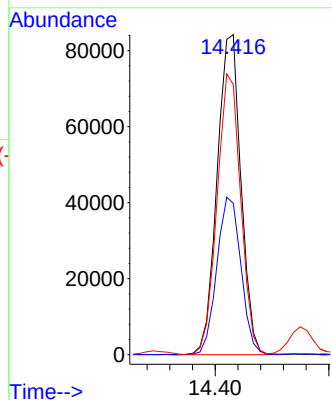
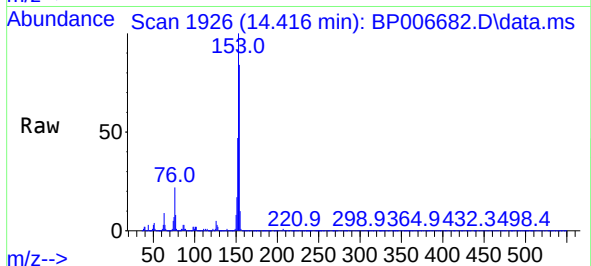




#52
Acenaphthene
Concen: 4.697 ng/ul
RT: 14.416 min Scan# 1926
Delta R.T. 0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

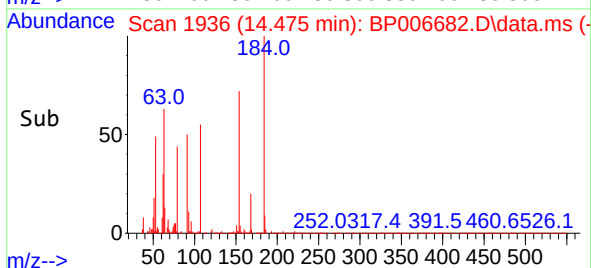
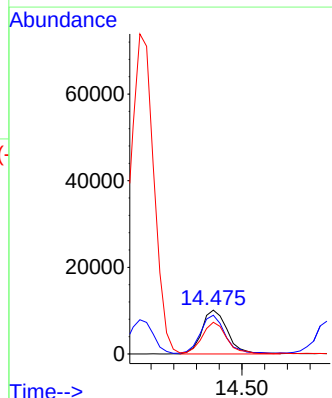
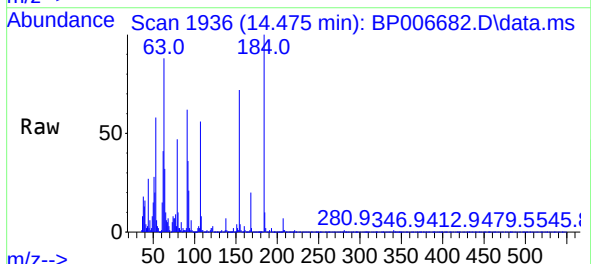
Instrument :
BNA_P
ClientSampleId :
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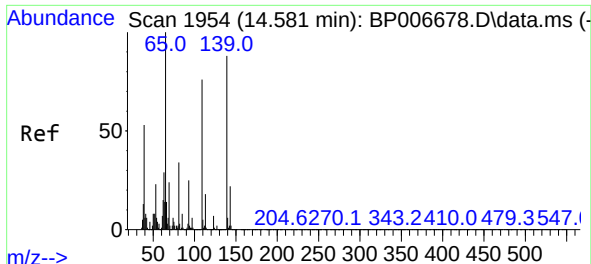
Tgt Ion:153 Resp: 122729
Ion Ratio Lower Upper
153 100
152 47.3 38.6 57.8
154 84.4 69.0 103.6



#53
2,4-Dinitrophenol
Concen: 4.159 ng/ul
RT: 14.475 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:184 Resp: 15693
Ion Ratio Lower Upper
184 100
63 88.5 73.4 110.2
154 72.3 59.4 89.0

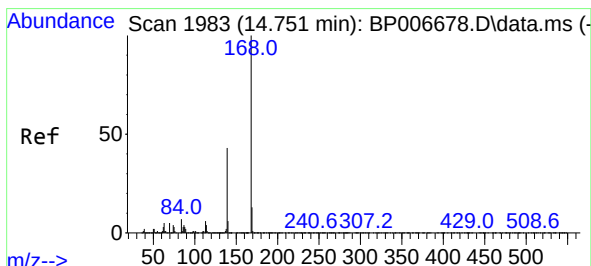
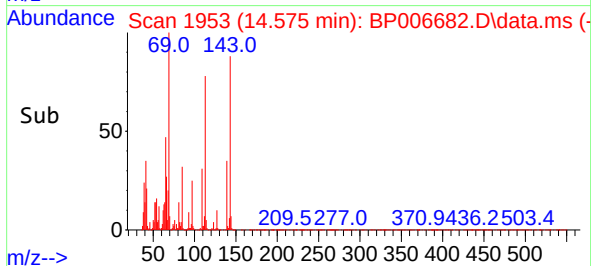
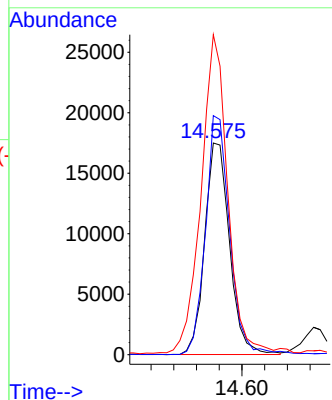
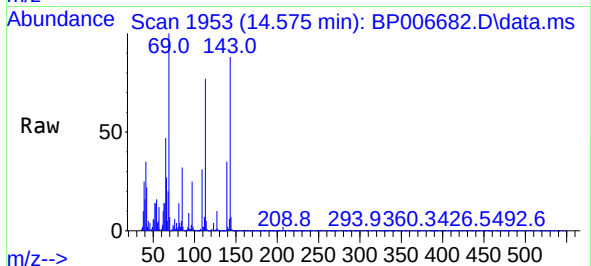




#55
4-Nitrophenol
Concen: 4.636 ng/ul
RT: 14.575 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

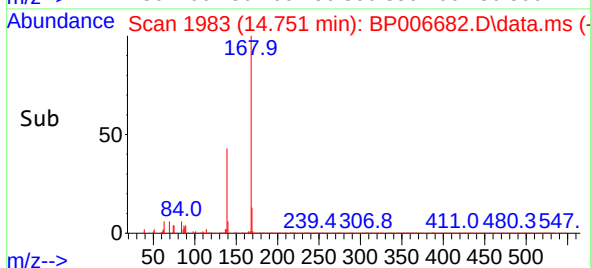
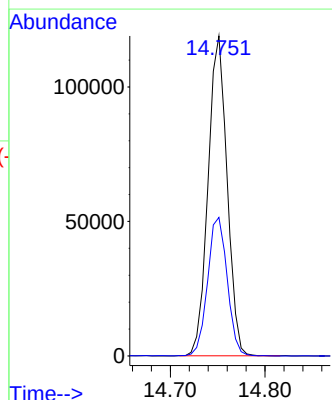
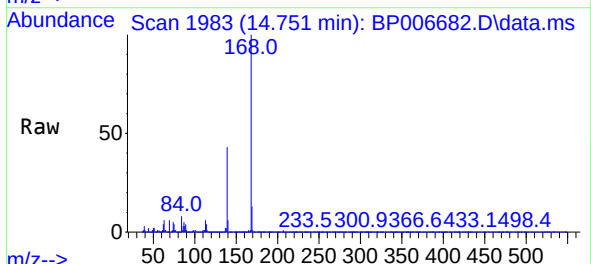
Instrument :
BNA_P
ClientSampleId :
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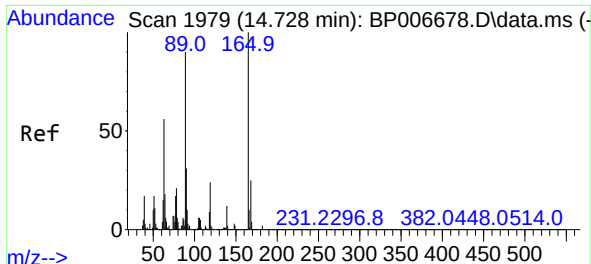
Tgt Ion:109 Resp: 26537
Ion Ratio Lower Upper
109 100
139 112.9 90.3 135.5
65 151.1 102.2 153.2



#56
Dibenzofuran
Concen: 4.753 ng/ul
RT: 14.751 min Scan# 1983
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:168 Resp: 166068
Ion Ratio Lower Upper
168 100
139 43.3 35.3 52.9

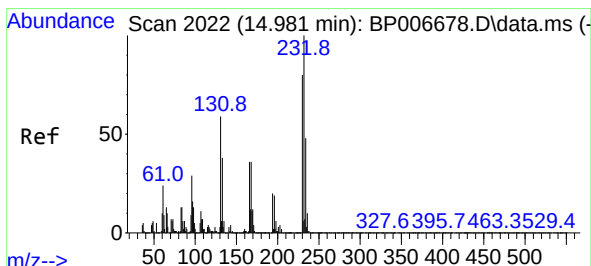
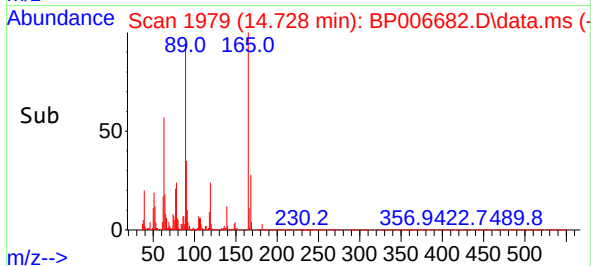
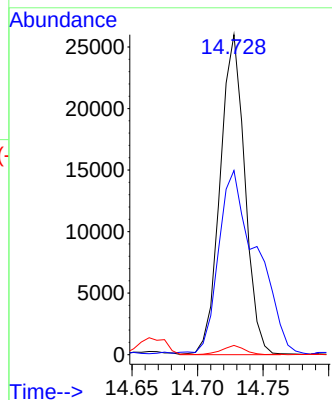
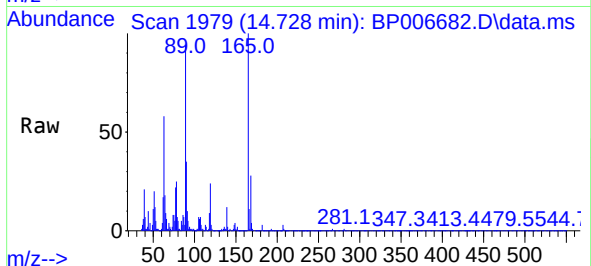




#57
2,4-Dinitrotoluene
Concen: 3.970 ng/ul
RT: 14.728 min Scan# 1979
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

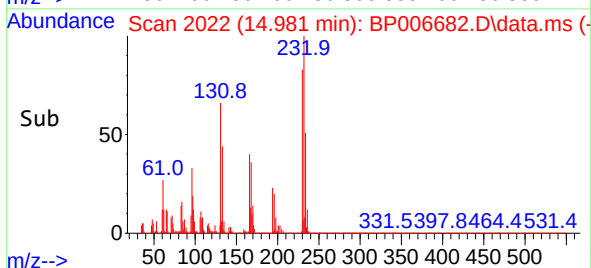
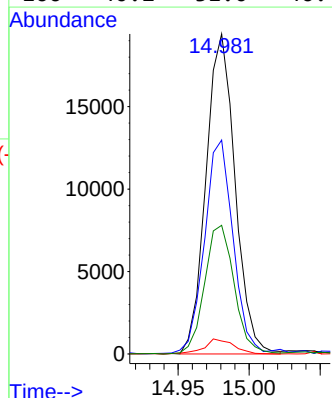
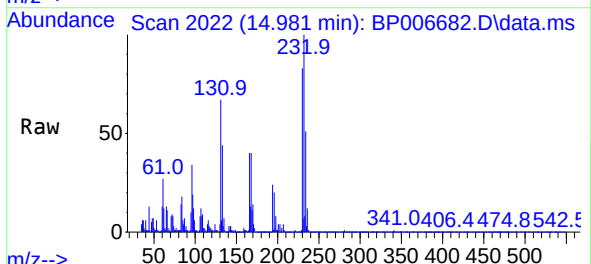
Instrument :
BNA_P
ClientSampleId :
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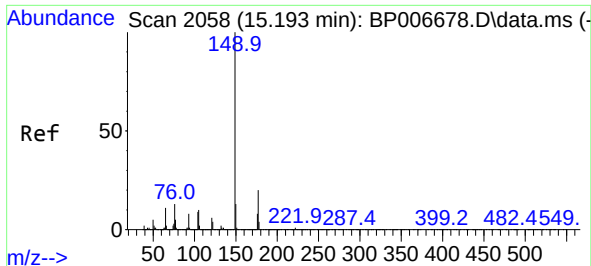
Tgt Ion:165 Resp: 34072
Ion Ratio Lower Upper
165 100
63 57.6 45.2 67.8
182 2.9 1.9 2.9#



#58
2,3,4,6-Tetrachlorophenol
Concen: 4.253 ng/ul
RT: 14.981 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:232 Resp: 27724
Ion Ratio Lower Upper
232 100
131 66.9 51.8 77.6
130 4.0 3.1 4.7
166 40.2 31.0 46.4

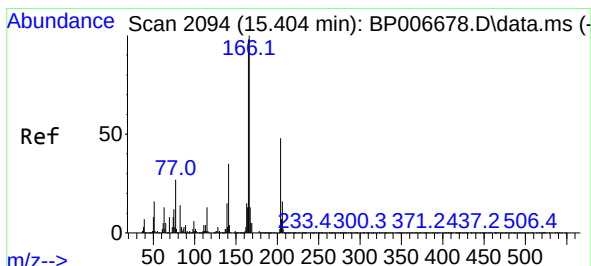
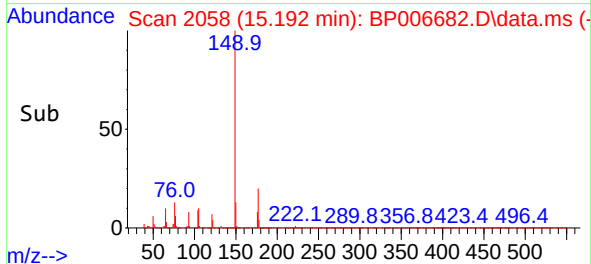
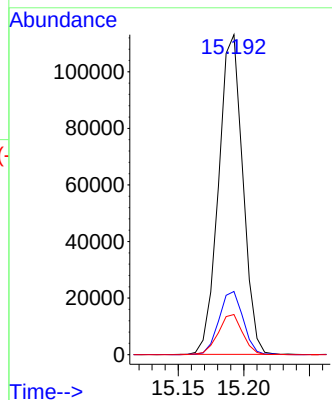
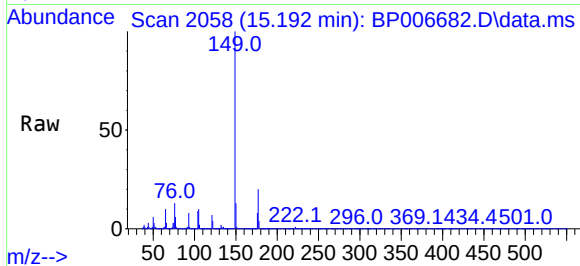




#59
Diethylphthalate
Concen: 4.505 ng/ul
RT: 15.192 min Scan# 2058
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

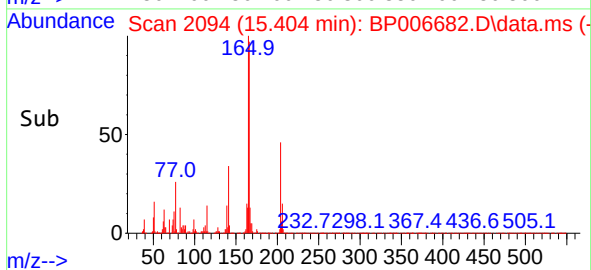
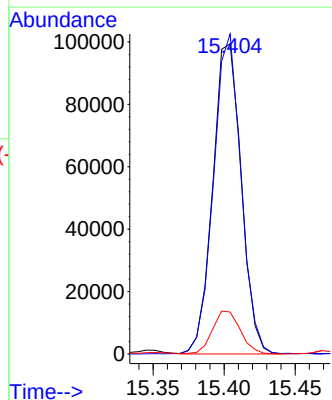
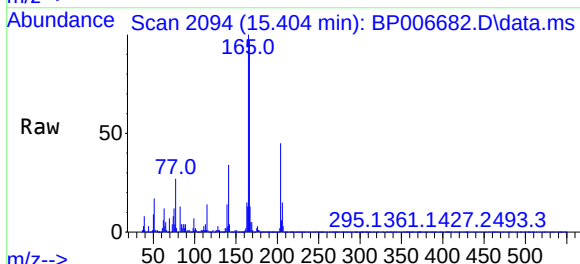
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT3-2021-06

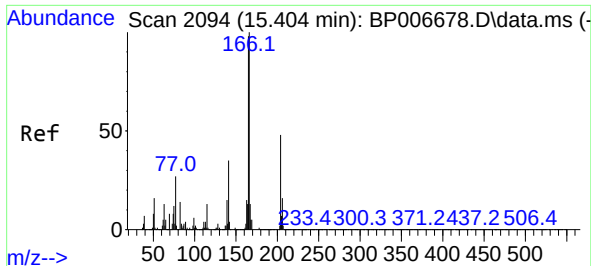
Tgt Ion:149 Resp: 144756
Ion Ratio Lower Upper
149 100
177 19.7 15.5 23.3
150 12.5 9.9 14.9



#61
Fluorene
Concen: 4.773 ng/ul
RT: 15.404 min Scan# 2094
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:166 Resp: 139053
Ion Ratio Lower Upper
166 100
165 103.1 79.6 119.4
167 13.5 10.7 16.1

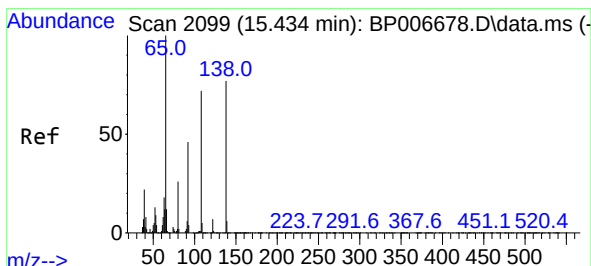
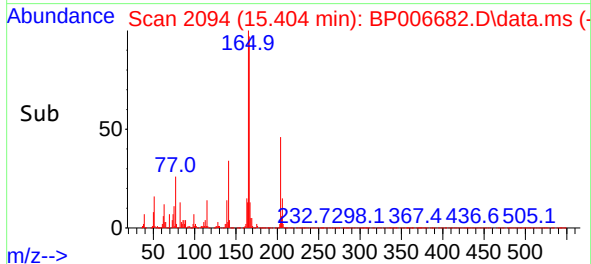
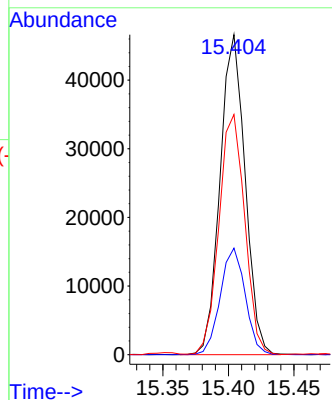
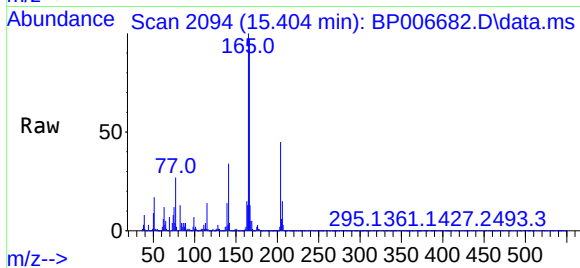




#62
4-Chlorophenyl-phenylether
Concen: 4.687 ng/ul
RT: 15.404 min Scan# 2094
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

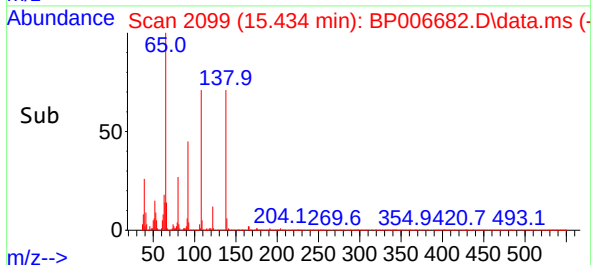
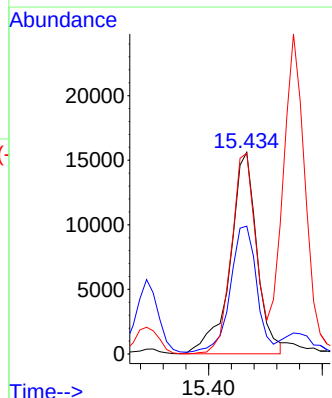
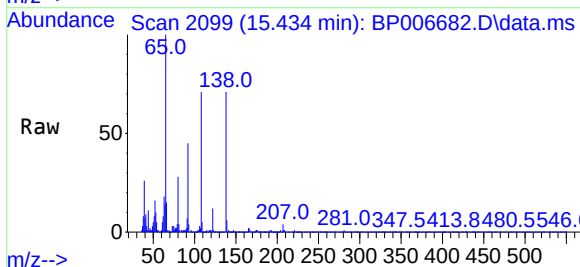
Instrument :
BNA_P
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MDL-SOIL-QT3-2021-06

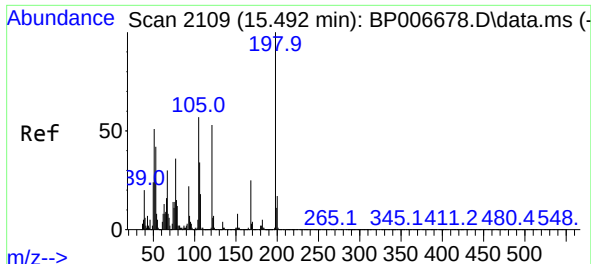
Tgt Ion:204 Resp: 61814
Ion Ratio Lower Upper
204 100
206 33.3 26.3 39.5
141 75.1 62.0 93.0



#63
4-Nitroaniline
Concen: 4.066 ng/ul
RT: 15.434 min Scan# 2099
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:138 Resp: 25439
Ion Ratio Lower Upper
138 100
92 63.4 47.1 70.7
108 99.6 73.8 110.8

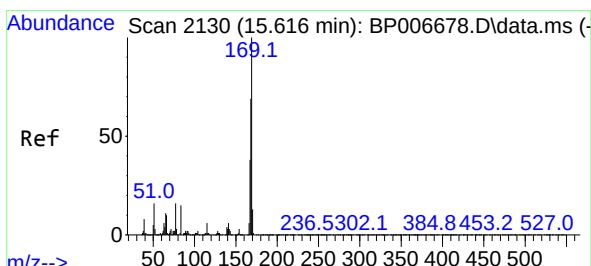
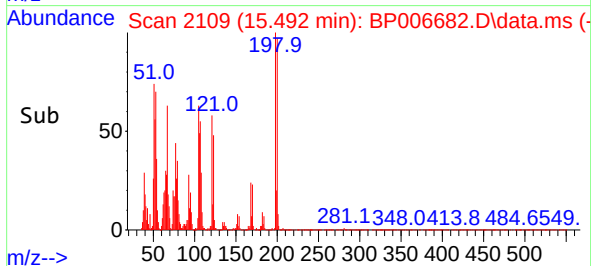
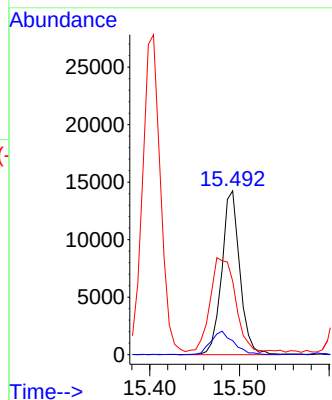
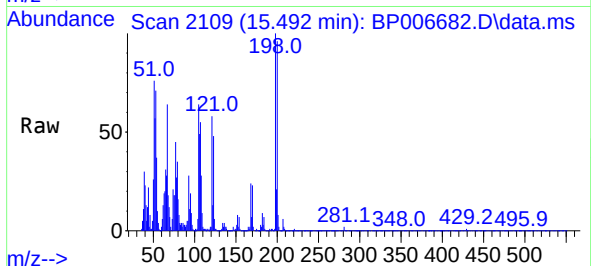




#66
4,6-Dinitro-2-methylphenol
Concen: 3.694 ng/ul
RT: 15.492 min Scan# 2109
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

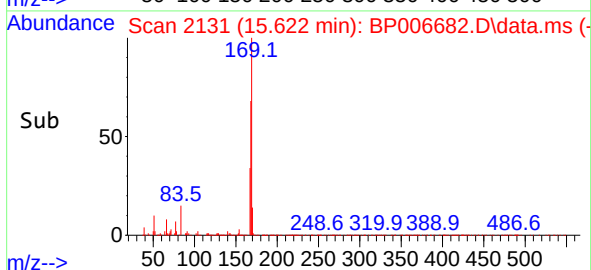
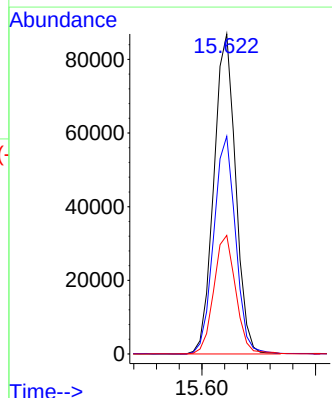
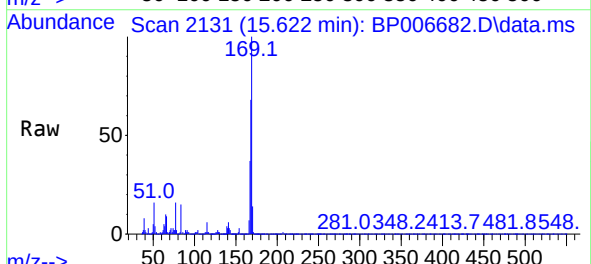
Instrument :
BNA_P
ClientSampleId :
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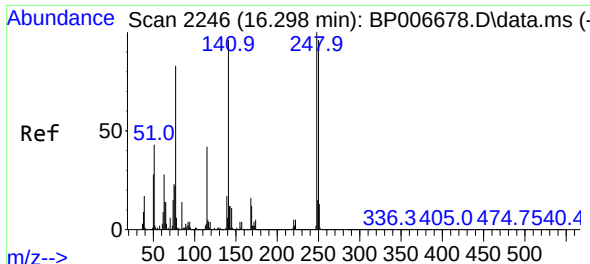
Tgt Ion:198 Resp: 19849
Ion Ratio Lower Upper
198 100
182 8.6 4.5 6.7#
77 45.0 31.7 47.5



#67
N-Nitrosodiphenylamine
Concen: 4.627 ng/ul
RT: 15.622 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:169 Resp: 115586
Ion Ratio Lower Upper
169 100
168 68.0 53.9 80.9
167 37.0 30.0 45.0

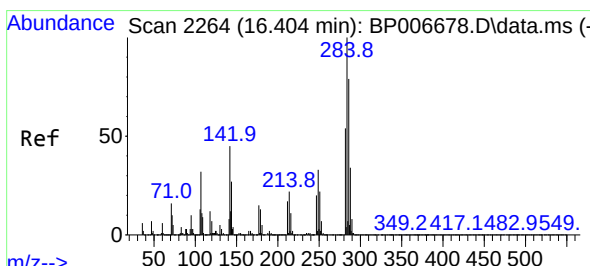
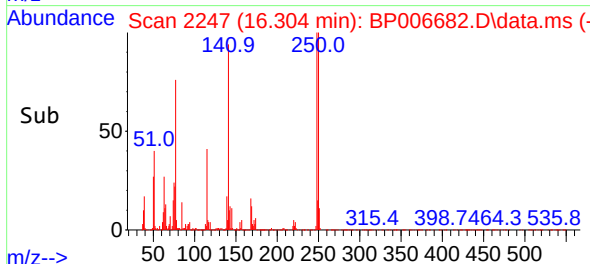
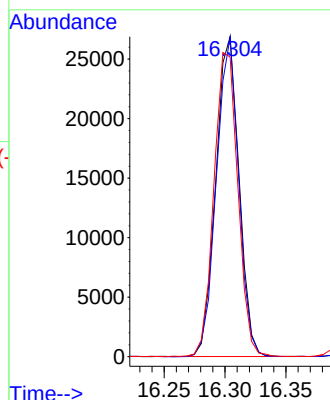
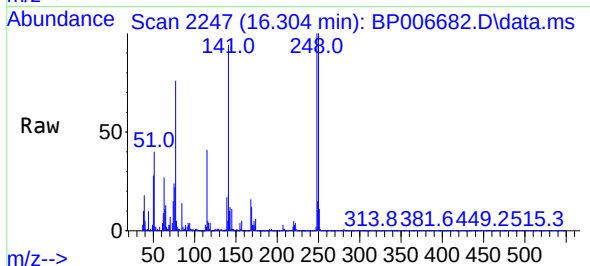




#68
4-Bromophenyl-phenylether
Concen: 4.448 ng/ul
RT: 16.304 min Scan# 2247
Delta R.T. 0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

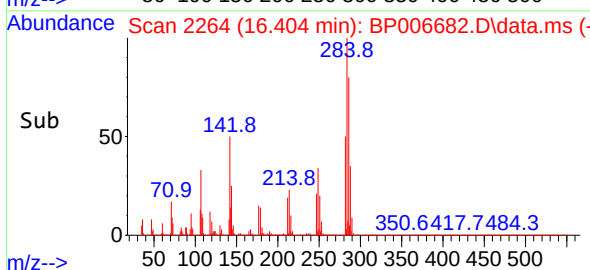
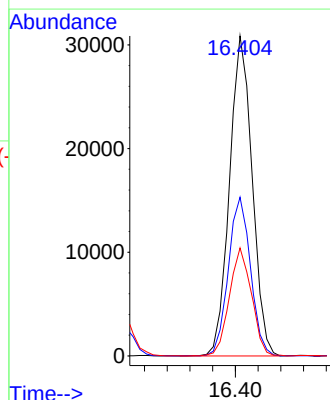
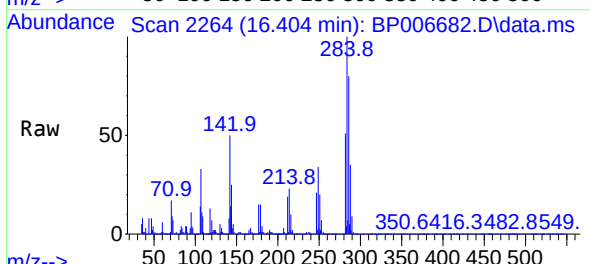
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT3-2021-06

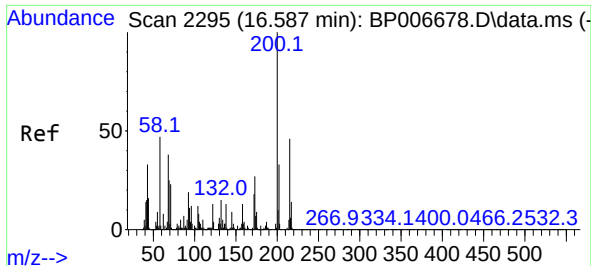
Tgt Ion:	248	Resp:	35675
Ion Ratio	Lower	Upper	
248	100		
250	99.8	78.4	117.6
141	93.6	80.6	121.0



#69
Hexachlorobenzene
Concen: 4.718 ng/ul
RT: 16.404 min Scan# 2264
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	284	Resp:	42765
Ion Ratio	Lower	Upper	
284	100		
142	49.6	37.8	56.6
249	36.5	27.1	40.7

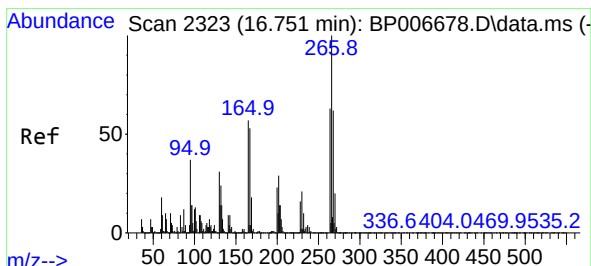
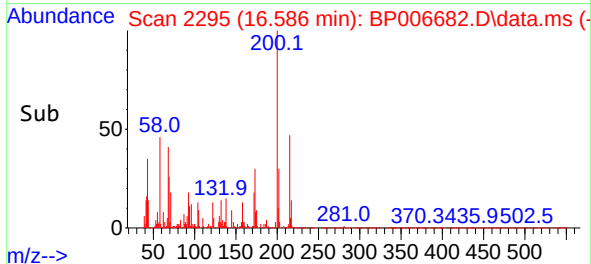
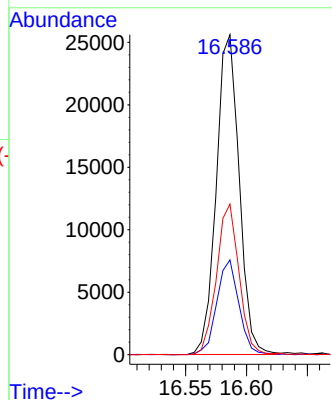
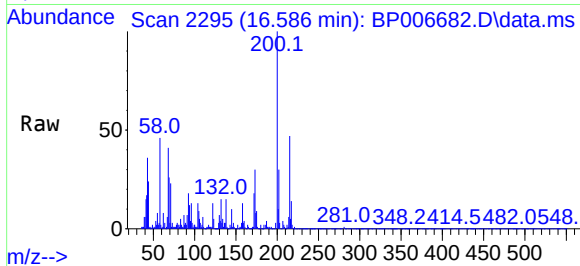




#70
Atrazine
Concen: 3.784 ng/ul
RT: 16.586 min Scan# 2295
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

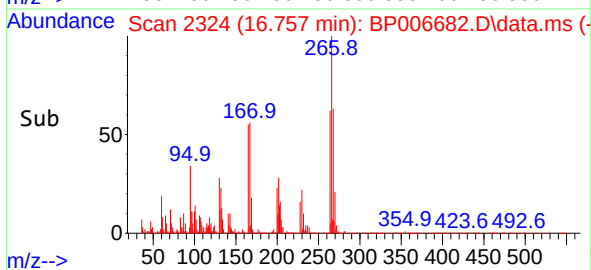
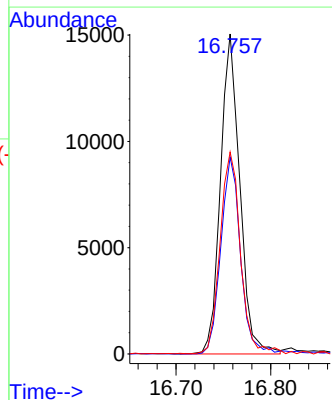
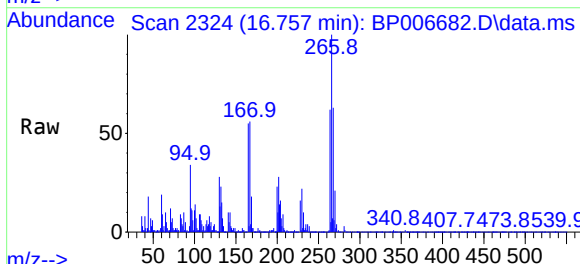
Instrument :
BNA_P
ClientSampleId :
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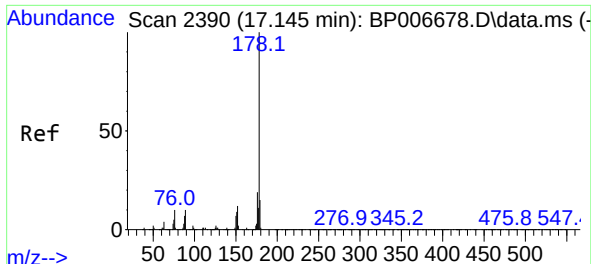
Tgt Ion:200 Resp: 33533
Ion Ratio Lower Upper
200 100
173 29.6 22.2 33.4
215 47.1 35.4 53.0



#71
Pentachlorophenol
Concen: 3.601 ng/ul
RT: 16.757 min Scan# 2324
Delta R.T. 0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:266 Resp: 21381
Ion Ratio Lower Upper
266 100
264 61.6 51.0 76.4
268 63.1 49.4 74.2

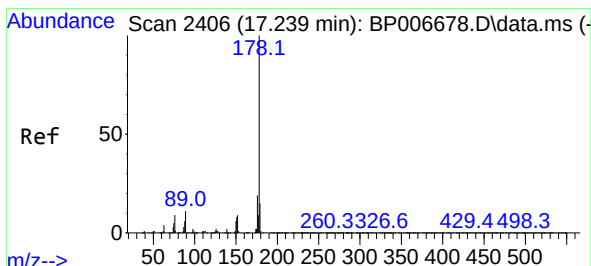
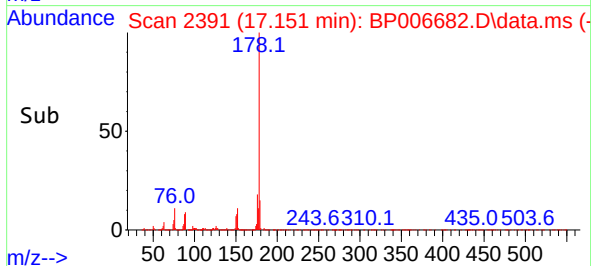
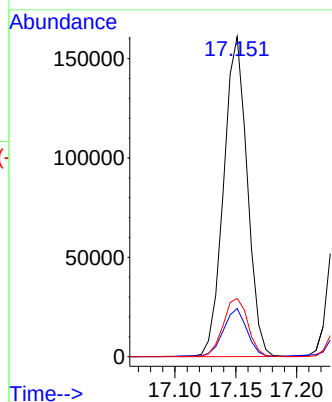
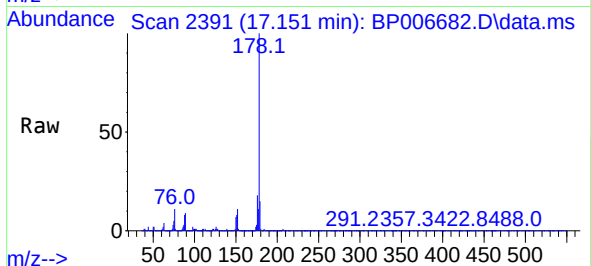




#72
Phenanthrene
Concen: 4.717 ng/ul
RT: 17.151 min Scan# 2391
Delta R.T. 0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

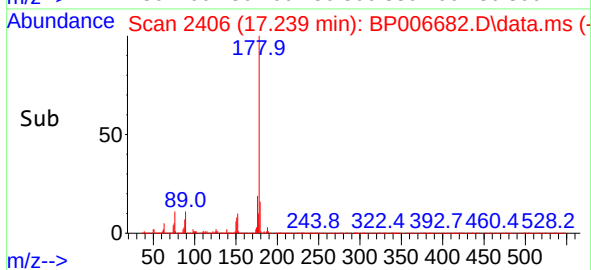
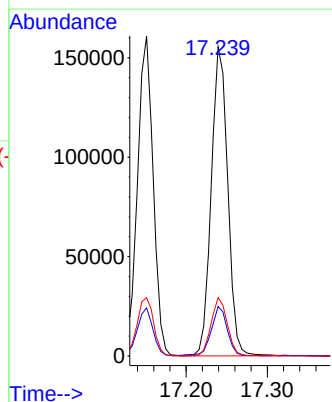
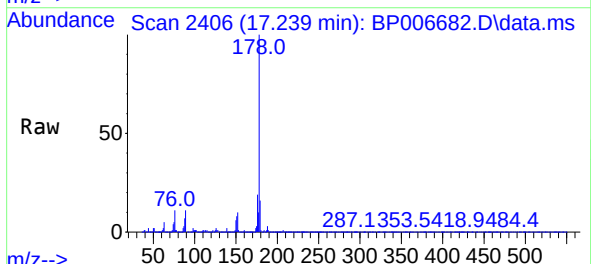
Instrument :
BNA_P
ClientSampleId :
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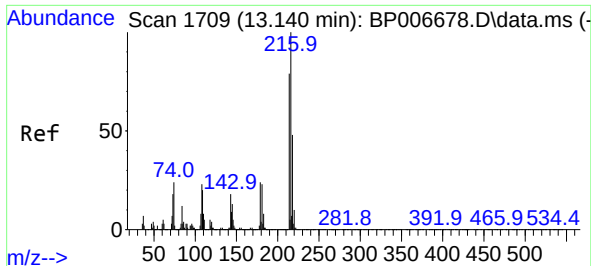
Tgt Ion:178 Resp: 216702
Ion Ratio Lower Upper
178 100
179 15.1 12.0 18.0
176 18.2 15.6 23.4



#74
Anthracene
Concen: 4.701 ng/ul
RT: 17.239 min Scan# 2406
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:178 Resp: 219337
Ion Ratio Lower Upper
178 100
179 16.0 12.1 18.1
176 18.9 14.9 22.3

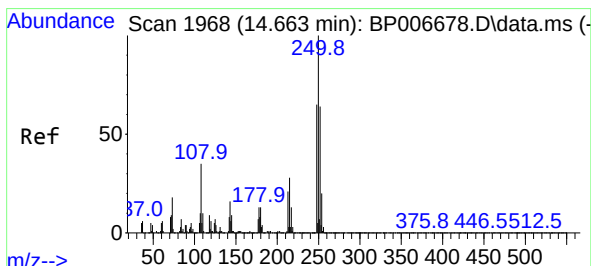
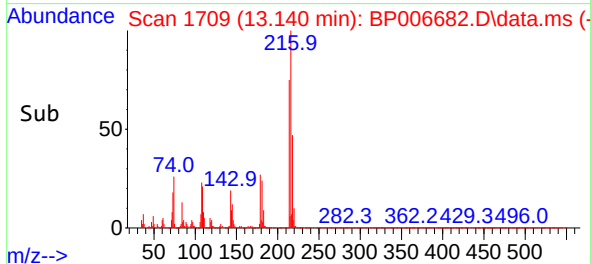
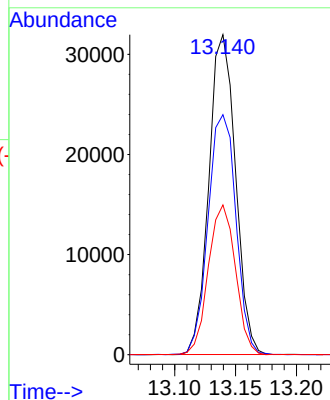
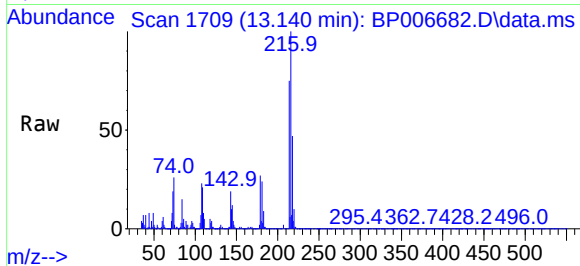




#75
1,2,3,4-Tetrachlorobenzene
Concen: 4.402 ng/uL
RT: 13.140 min Scan# 1709
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

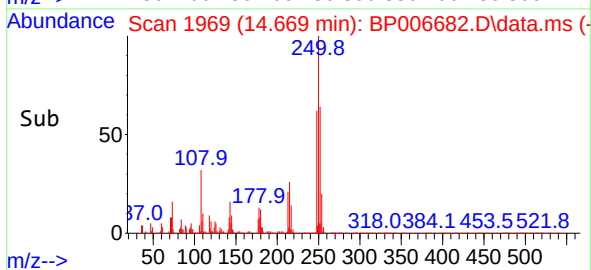
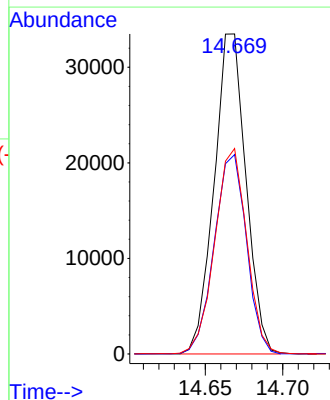
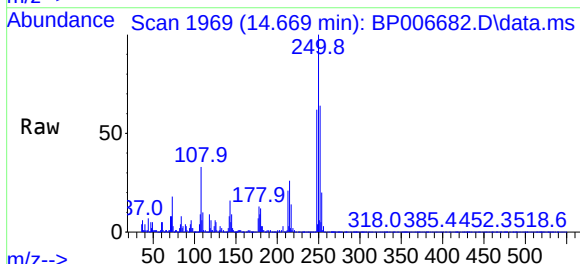
Instrument :
BNA_P
ClientSampleId :
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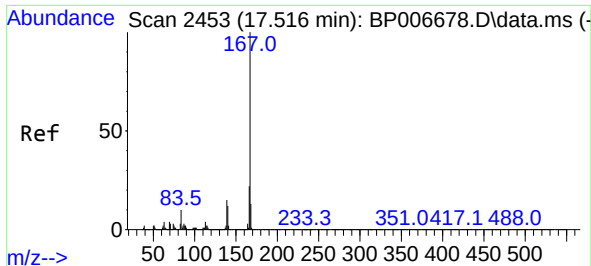
Tgt Ion:	216	Resp:	48684
Ion Ratio	Lower	Upper	
216	100		
214	75.0	62.9	94.3
218	46.8	37.8	56.8



#76
Pentachlorobenzene
Concen: 4.401 ng/uL
RT: 14.669 min Scan# 1969
Delta R.T. 0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	250	Resp:	47957
Ion Ratio	Lower	Upper	
250	100		
248	62.3	51.0	76.6
252	64.2	51.0	76.4

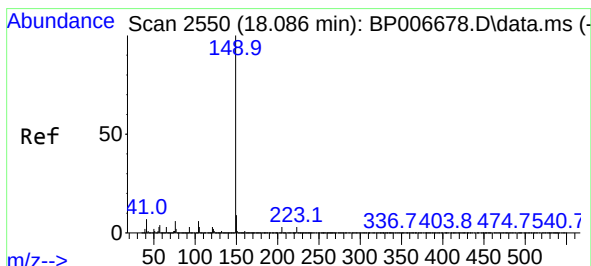
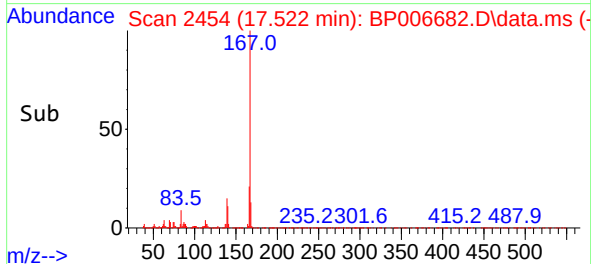
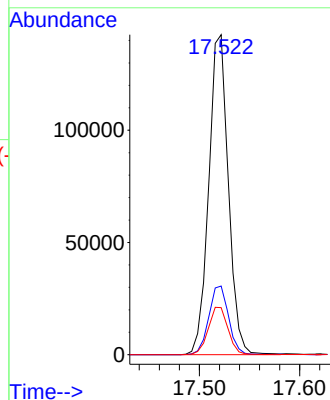
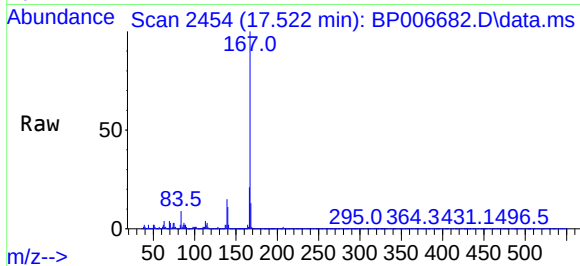




#77
Carbazole
Concen: 4.451 ng/ul
RT: 17.522 min Scan# 2454
Delta R.T. 0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

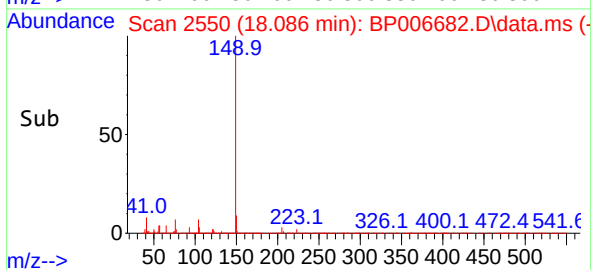
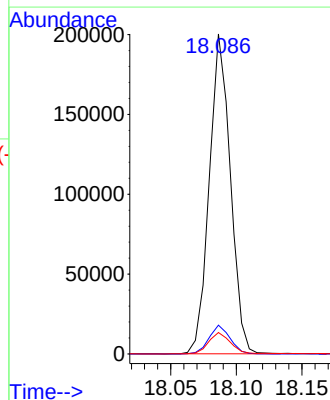
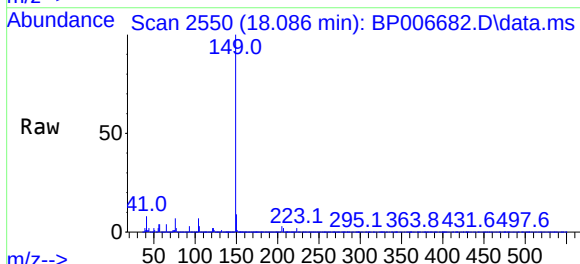
Instrument :
BNA_P
ClientSampleId :
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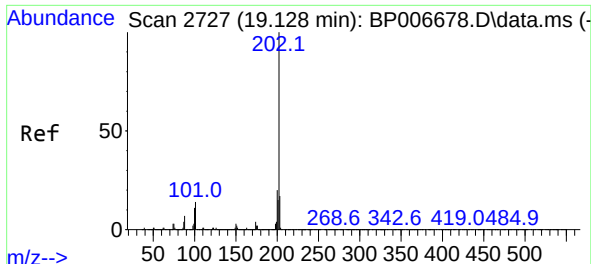
Tgt Ion:	167	Resp:	193974
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.6	26.4
139	14.7	11.9	17.9



#78
Di-n-butylphthalate
Concen: 3.977 ng/ul
RT: 18.086 min Scan# 2550
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	149	Resp:	224047
Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	6.7	4.8	7.2

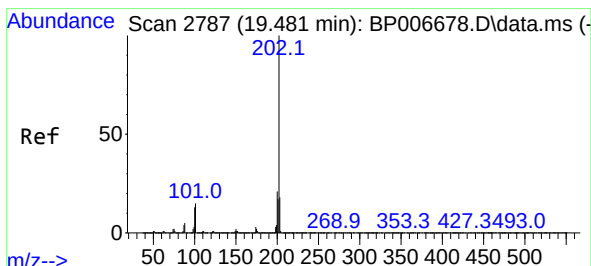
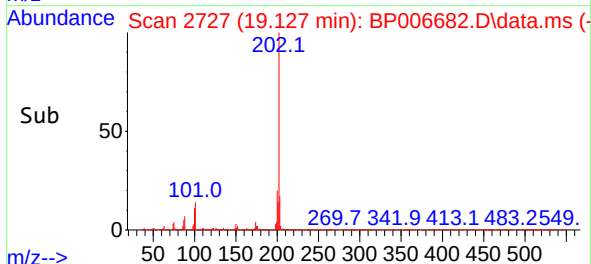
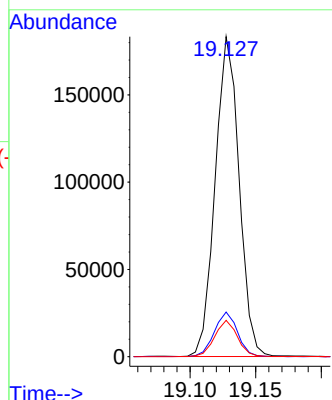
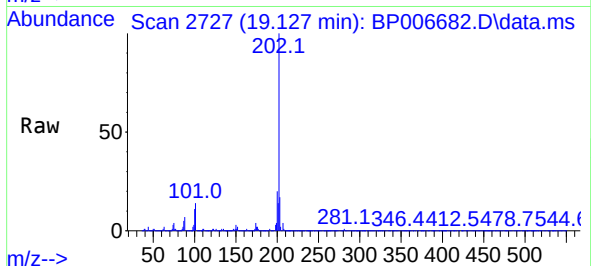




#80
Fluoranthene
Concen: 4.412 ng/ul
RT: 19.127 min Scan# 2727
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

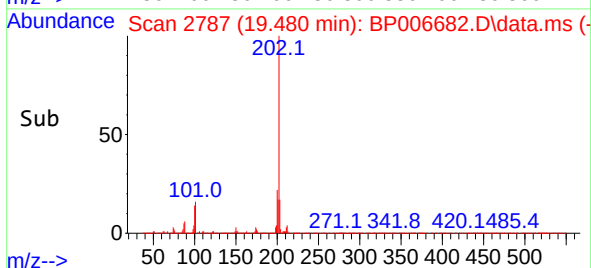
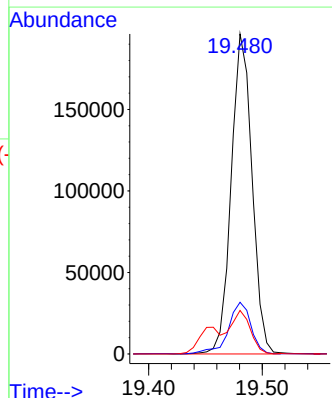
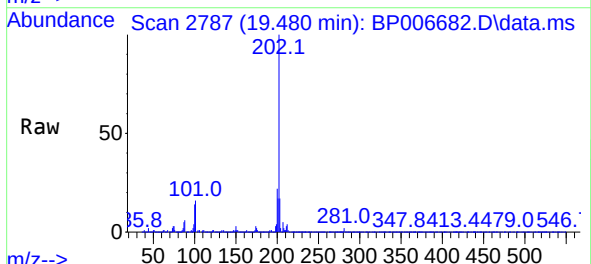
Instrument :
BNA_P
ClientSampleId :
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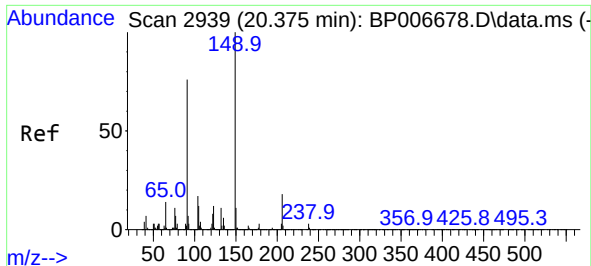
Tgt Ion:202	Resp:	232320
Ion Ratio	Lower	Upper
202	100	
101	14.0	11.0 16.4
100	11.4	8.3 12.5



#82
Pyrene
Concen: 4.592 ng/ul
RT: 19.480 min Scan# 2787
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:202	Resp:	249752
Ion Ratio	Lower	Upper
202	100	
101	16.1	12.6 19.0
100	13.6	10.6 15.8

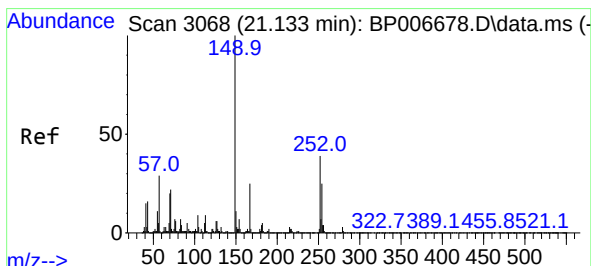
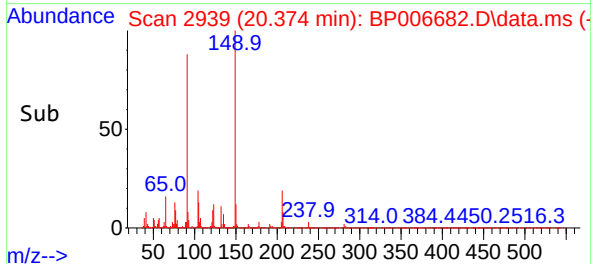
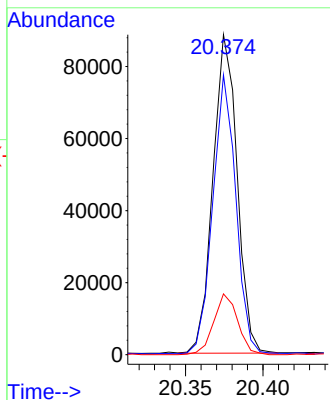
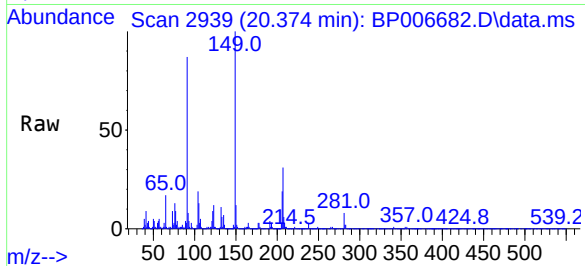




#83
Butylbenzylphthalate
Concen: 3.568 ng/ul
RT: 20.374 min Scan# 2939
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

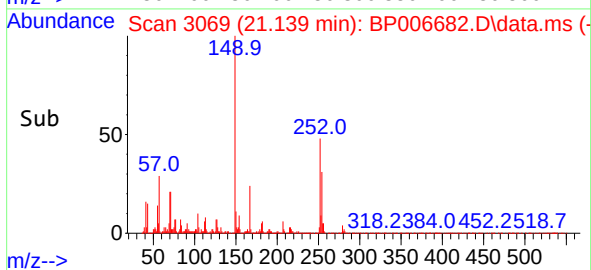
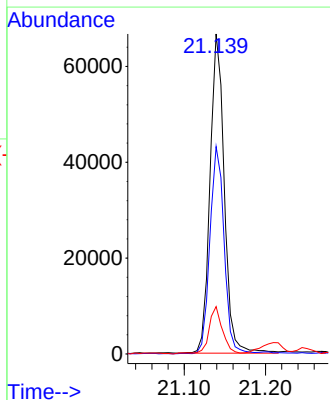
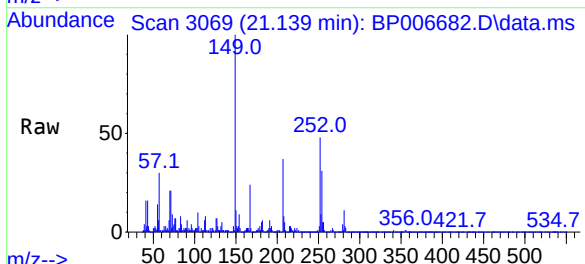
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT3-2021-06

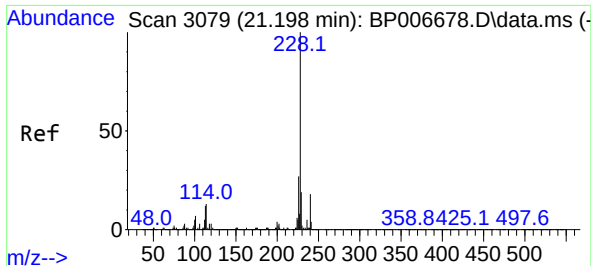
Tgt Ion:	149	Resp:	95930
Ion Ratio	Lower	Upper	
149	100		
91	87.4	63.0	94.6
206	19.0	14.1	21.1



#84
3,3'-Dichlorobenzidine
Concen: 4.453 ng/ul
RT: 21.139 min Scan# 3069
Delta R.T. 0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	252	Resp:	81064
Ion Ratio	Lower	Upper	
252	100		
254	64.8	51.6	77.4
126	14.8	10.7	16.1

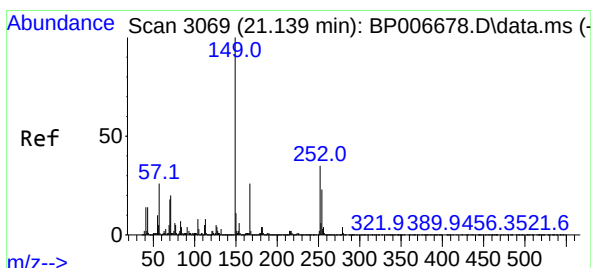
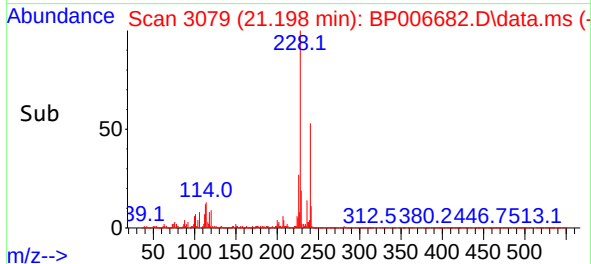
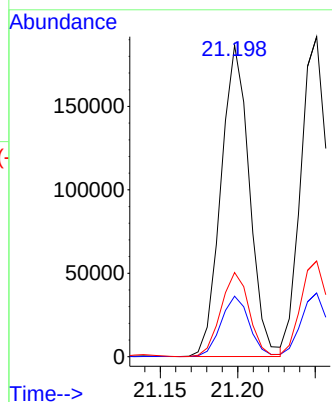
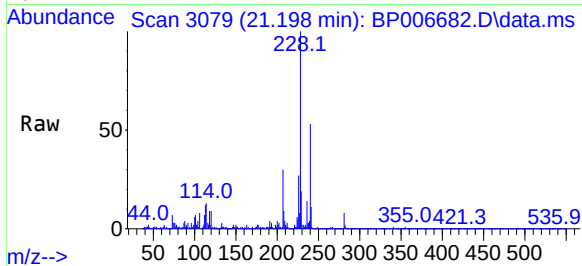




#85
Benzo(a)anthracene
Concen: 4.597 ng/ul
RT: 21.198 min Scan# 3079
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

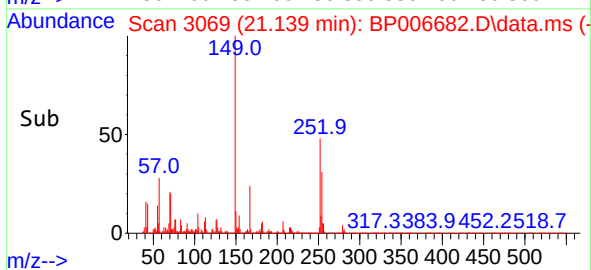
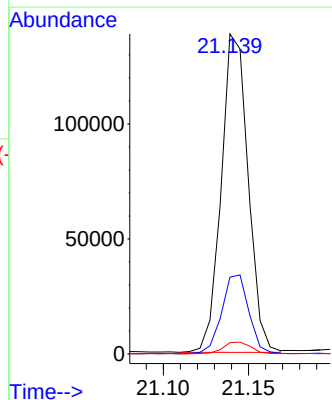
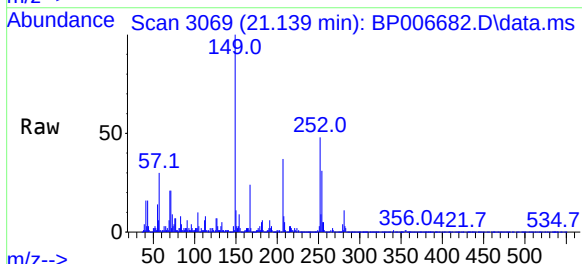
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT3-2021-06

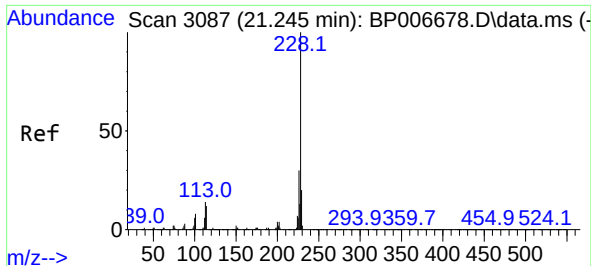
Tgt Ion:	228	Resp:	238884
Ion Ratio	Lower	Upper	
228	100		
229	19.5	15.8	23.8
226	27.0	21.6	32.4



#86
Bis(2-ethylhexyl)phthalate
Concen: 3.663 ng/ul
RT: 21.139 min Scan# 3069
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	149	Resp:	151770
Ion Ratio	Lower	Upper	
149	100		
167	24.0	20.2	30.2
279	3.6	2.7	4.1



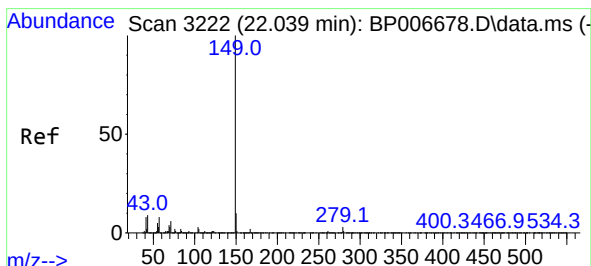
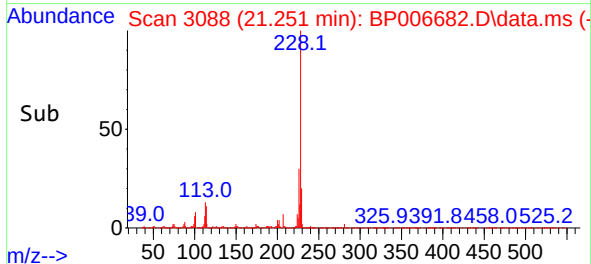
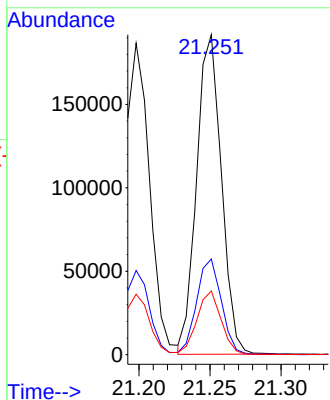
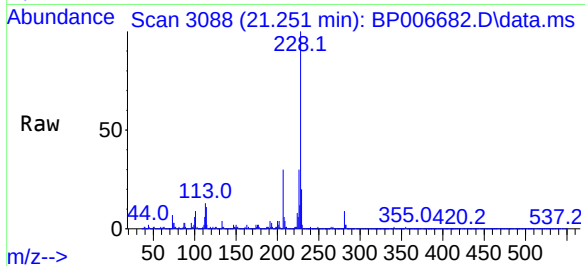


#87
Chrysene
Concen: 4.644 ng/ul
RT: 21.251 min Scan# 3088
Delta R.T. 0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT3-2021-06

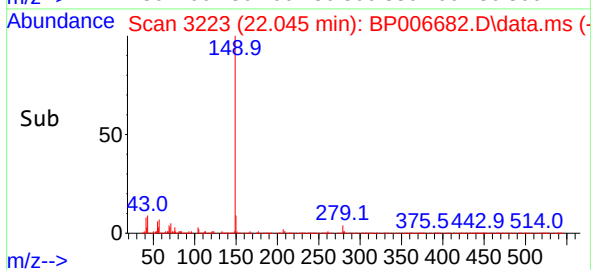
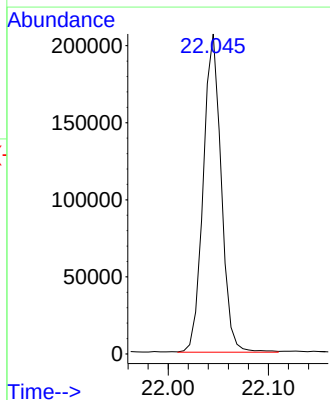
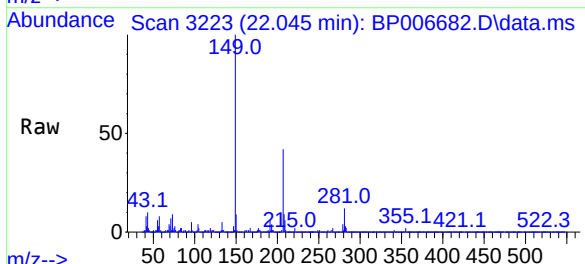
Tgt Ion:228 Resp: 232694

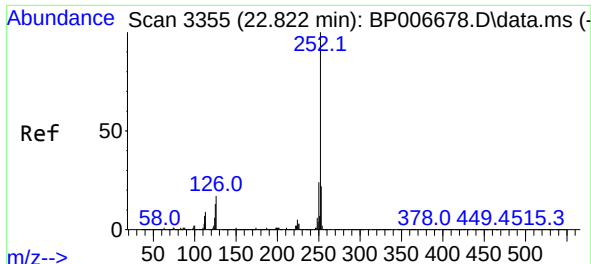
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.5	36.7
229	19.9	15.9	23.9



#89
Di-n-octyl phthalate
Concen: 3.581 ng/ul
RT: 22.045 min Scan# 3223
Delta R.T. 0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:149 Resp: 257126

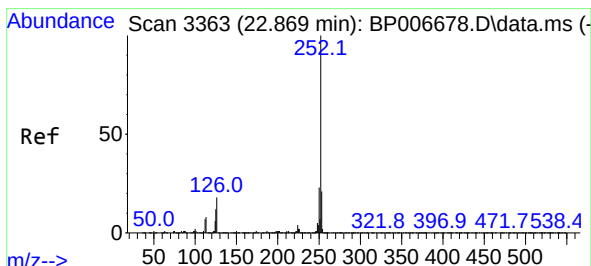
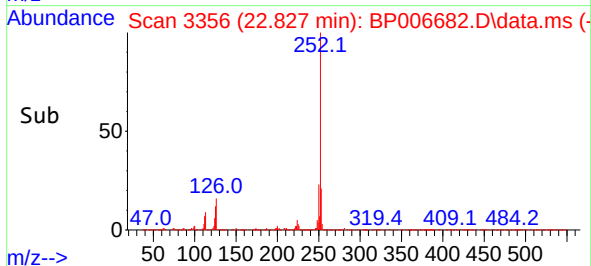
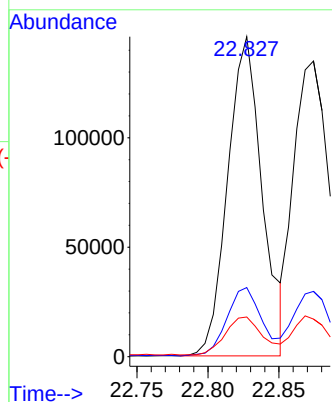
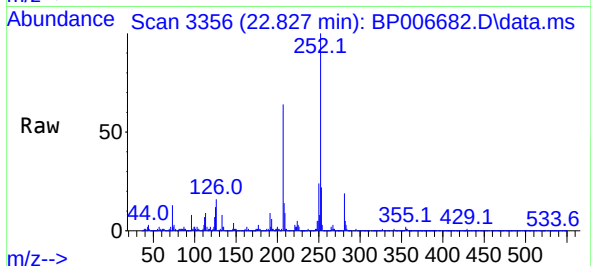




#90
Benzo(b)fluoranthene
Concen: 4.566 ng/ul
RT: 22.827 min Scan# 3356
Delta R.T. 0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

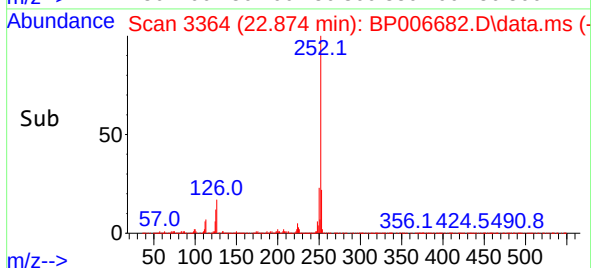
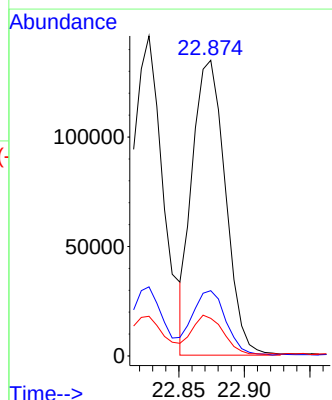
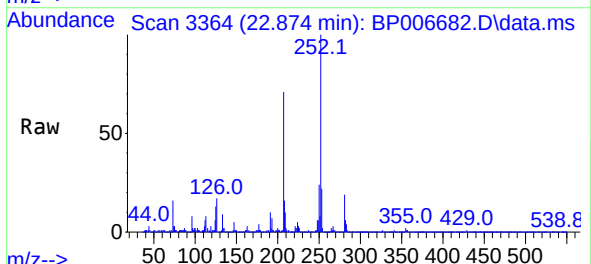
Instrument :
BNA_P
ClientSampleId :
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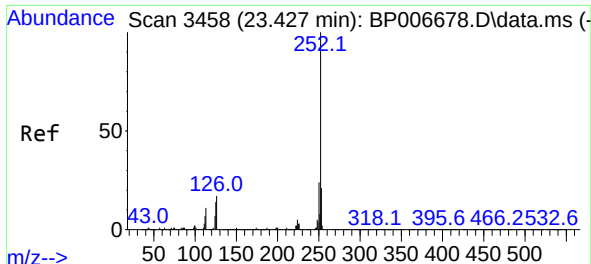
Tgt Ion:252 Resp: 246390
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 12.4 10.1 15.1



#91
Benzo(k)fluoranthene
Concen: 4.532 ng/ul
RT: 22.874 min Scan# 3364
Delta R.T. 0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:252 Resp: 236760
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 12.7 9.4 14.0

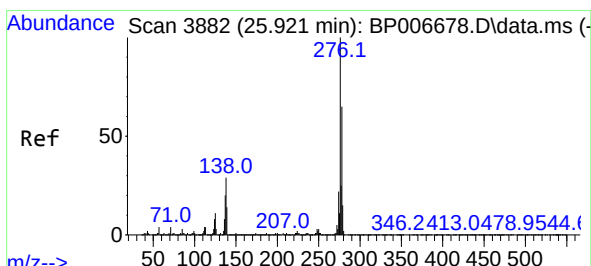
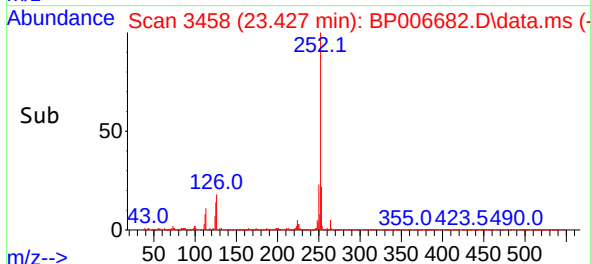
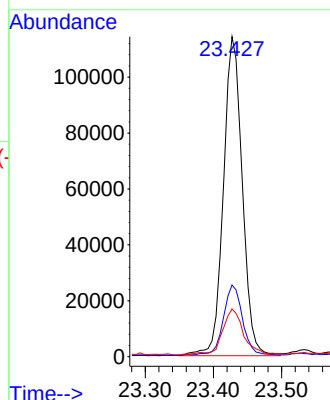
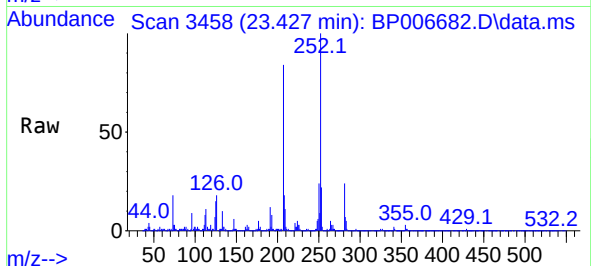




#93
Benzo(a)pyrene
Concen: 4.503 ng/ul
RT: 23.427 min Scan# 3458
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

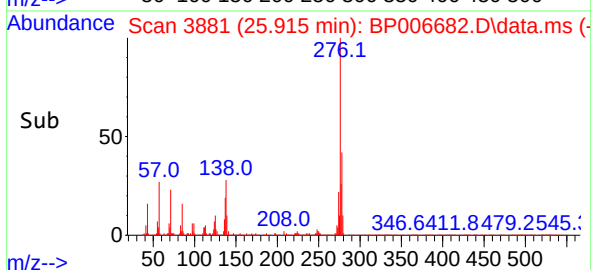
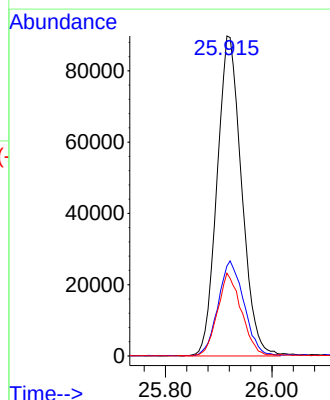
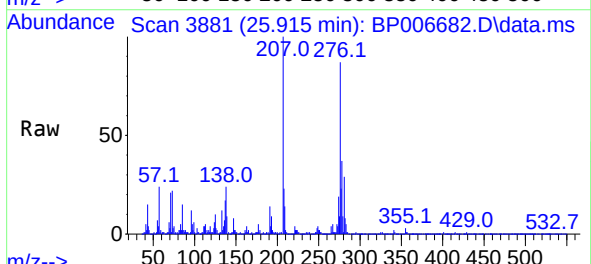
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT3-2021-06

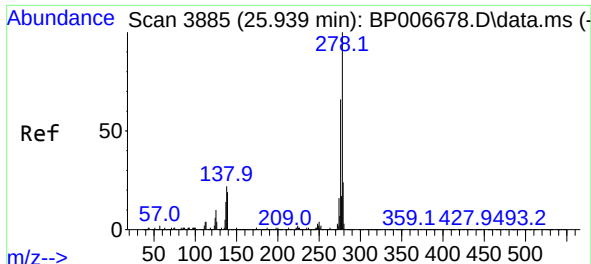
Tgt Ion:	252	Resp:	220093
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.6	26.4
125	14.9	11.3	16.9



#94
Indeno(1,2,3-cd)pyrene
Concen: 4.485 ng/ul
RT: 25.915 min Scan# 3881
Delta R.T. -0.006 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	276	Resp:	286644
Ion Ratio	Lower	Upper	
276	100		
138	28.1	21.8	32.8
277	25.9	19.9	29.9

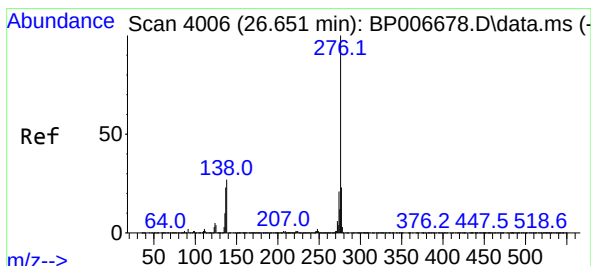
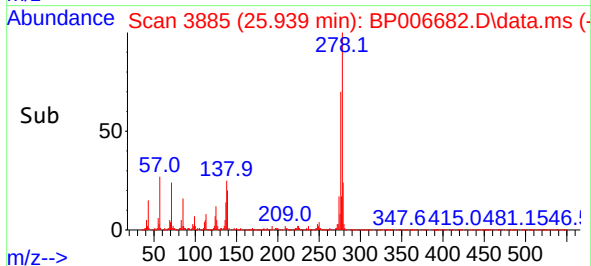
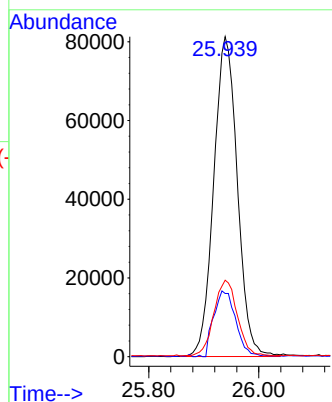
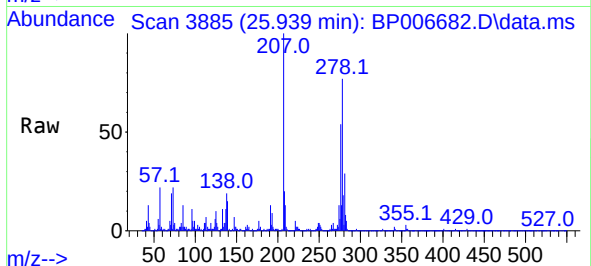




#95
Dibenzo(a,h)anthracene
Concen: 4.512 ng/ul
RT: 25.939 min Scan# 3885
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT3-2021-06

Tgt Ion:	278	Resp:	242232
Ion Ratio	Lower	Upper	
278	100		
139	19.8	15.4	23.2
279	23.9	19.0	28.4



#96
Benzo(g,h,i)perylene
Concen: 4.444 ng/ul
RT: 26.651 min Scan# 4006
Delta R.T. -0.000 min
Lab File: BP006682.D
Acq: 16 Aug 2021 13:55

Tgt Ion:	276	Resp:	235818
Ion Ratio	Lower	Upper	
276	100		
138	27.6	20.7	31.1
277	24.0	19.0	28.4

