

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092324\
 Data File : BP021978.D
 Acq On : 23 Sep 2024 11:50
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL-4 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Quant Time: Sep 23 12:20:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 01:22:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	82616	20.000	ng	0.00
21) Naphthalene-d8	10.475	136	318886	20.000	ng	0.00
39) Acenaphthene-d10	14.334	164	259790	20.000	ng	0.00
64) Phenanthrene-d10	17.122	188	676864	20.000	ng	-0.02
76) Chrysene-d12	21.551	240	900175	20.000	ng	-0.01
86) Perylene-d12	24.845	264	1128695	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	463621	105.460	ng	0.00
7) Phenol-d6	6.893	99	599683	105.078	ng	0.00
23) Nitrobenzene-d5	8.851	82	459840	76.302	ng	0.00
42) 2,4,6-Tribromophenol	15.839	330	593824	123.297	ng	-0.02
45) 2-Fluorobiphenyl	12.939	172	1284547	72.179	ng	0.00
79) Terphenyl-d14	19.845	244	2947256	61.503	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.258	88	6286	3.444	ng	# 90
3) Pyridine	3.663	79	14328	2.943	ng	# 88
4) n-Nitrosodimethylamine	3.563	42	10715	4.172	ng	# 93
6) Aniline	7.052	93	20947	4.177	ng	95
8) 2-Chlorophenol	7.281	128	16826	3.579	ng	91
9) Benzaldehyde	6.863	77	16890	5.660	ng	96
10) Phenol	6.916	94	19116	3.372	ng	83
11) bis(2-Chloroethyl)ether	7.140	93	15461	3.621	ng	96
12) 1,3-Dichlorobenzene	7.599	146	20607	3.472	ng	91
13) 1,4-Dichlorobenzene	7.746	146	22088	3.670	ng	96
14) 1,2-Dichlorobenzene	8.057	146	20621	3.570	ng	97
15) Benzyl Alcohol	7.946	79	15314	3.499	ng	# 90
16) 2,2'-oxybis(1-Chloropr...	8.228	45	16902	3.711	ng	99
17) 2-Methylphenol	8.151	107	12134	3.169	ng	96
18) Hexachloroethane	8.775	117	7296	3.297	ng	94
19) n-Nitroso-di-n-propyla...	8.504	70	13289	3.746	ng	99
20) 3+4-Methylphenols	8.469	107	16392	3.032	ng	89
22) Acetophenone	8.522	105	27965	3.595	ng	95
24) Nitrobenzene	8.893	77	21365	3.491	ng	95
25) Isophorone	9.416	82	34042	3.426	ng	# 94
26) 2-Nitrophenol	9.598	139	8083	3.021	ng	95
27) 2,4-Dimethylphenol	9.657	122	8078	2.607	ng	95
28) bis(2-Chloroethoxy)met...	9.893	93	19916	3.343	ng	98
29) 2,4-Dichlorophenol	10.134	162	16213	3.083	ng	93
30) 1,2,4-Trichlorobenzene	10.334	180	22423	3.423	ng	97
31) Naphthalene	10.528	128	54503	3.425	ng	99
33) 4-Chloroaniline	10.634	127	21111	3.678	ng	98
34) Hexachlorobutadiene	10.816	225	17450	3.405	ng	90
35) Caprolactam	11.404	113	4455	2.846	ng	94
36) 4-Chloro-3-methylphenol	11.757	107	16727	2.964	ng	# 87
37) 2-Methylnaphthalene	12.134	142	39481	3.391	ng	96
38) 1-Methylnaphthalene	12.345	142	37615	3.273	ng	94
40) 1,2,4,5-Tetrachloroben...	12.510	216	29690	3.267	ng	98
41) Hexachlorocyclopentadiene	12.492	237	8038	2.380	ng	92
43) 2,4,6-Trichlorophenol	12.751	196	15977	2.864	ng	97
44) 2,4,5-Trichlorophenol	12.828	196	17941	2.867	ng	97

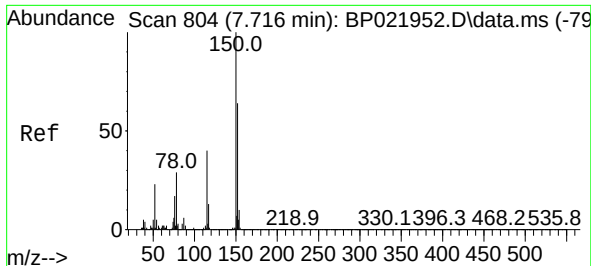
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092324\
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 QLast Update : Fri Sep 20 01:22:00 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.151	154	60975	3.442	ng	99
47) 2-Chloronaphthalene	13.198	162	46318	3.234	ng	95
48) 2-Nitroaniline	13.398	65	10709	2.738	ng	98
49) Acenaphthylene	14.051	152	69935	3.460	ng	99
50) Dimethylphthalate	13.775	163	61732	3.276	ng	97
51) 2,6-Dinitrotoluene	13.904	165	11383	2.711	ng	92
52) Acenaphthene	14.398	154	43527	3.309	ng	98
53) 3-Nitroaniline	14.239	138	10246	2.738	ng #	92
54) 2,4-Dinitrophenol	14.439	184	5834	2.372	ng	97
55) Dibenzofuran	14.733	168	77086	3.487	ng	98
56) 4-Nitrophenol	14.569	139	8051	2.472	ng	91
57) 2,4-Dinitrotoluene	14.698	165	16740	2.820	ng	93
58) Fluorene	15.392	166	60905	3.299	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.969	232	18754	3.105	ng #	99
60) Diethylphthalate	15.175	149	62606	3.270	ng	97
61) 4-Chlorophenyl-phenyle...	15.392	204	36460	3.392	ng	96
62) 4-Nitroaniline	15.410	138	10916	2.653	ng	97
63) Azobenzene	15.692	77	52374	3.305	ng	95
65) 4,6-Dinitro-2-methylph...	15.469	198	9833	2.506	ng	89
66) n-Nitrosodiphenylamine	15.616	169	52236	3.099	ng	98
67) 4-Bromophenyl-phenylether	16.304	248	25312	3.208	ng	95
68) Hexachlorobenzene	16.416	284	32829	3.337	ng	98
69) Atrazine	16.586	200	23176	3.838	ng	98
70) Pentachlorophenol	16.769	266	17306	2.615	ng	89
71) Phenanthrene	17.163	178	107054	3.295	ng	98
72) Anthracene	17.263	178	98491	3.131	ng	99
73) Carbazole	17.533	167	96781	3.186	ng	98
74) Di-n-butylphthalate	18.133	149	103080	2.889	ng	98
75) Fluoranthene	19.251	202	144711	3.191	ng	98
77) Benzidine	19.451	184	45708	4.155	ng	98
78) Pyrene	19.621	202	153307	2.815	ng	99
80) Butylbenzylphthalate	20.580	149	49911	2.570	ng	96
81) Benzo(a)anthracene	21.527	228	187609	3.243	ng	99
82) 3,3'-Dichlorobenzidine	21.457	252	60507	2.883	ng	97
83) Chrysene	21.598	228	179390	3.294	ng	100
84) Bis(2-ethylhexyl)phtha...	21.474	149	74210	2.603	ng	98
85) Di-n-octyl phthalate	22.739	149	122452	2.529	ng	99
87) Indeno(1,2,3-cd)pyrene	28.574	276	237404	3.162	ng	98
88) Benzo(b)fluoranthene	23.798	252	202207	3.029	ng	99
89) Benzo(k)fluoranthene	23.862	252	204814	3.242	ng	99
90) Benzo(a)pyrene	24.680	252	184610	3.210	ng	97
91) Dibenzo(a,h)anthracene	28.662	278	219652	3.545	ng	97
92) Benzo(g,h,i)perylene	29.744	276	212406	3.347	ng	96

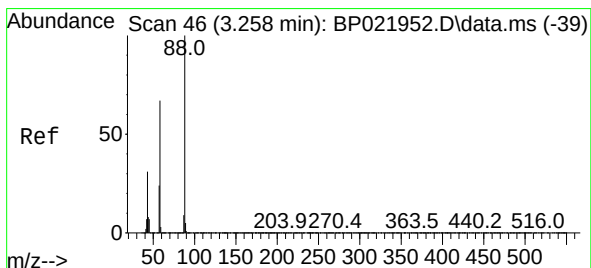
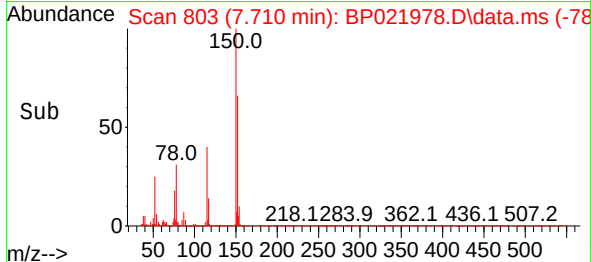
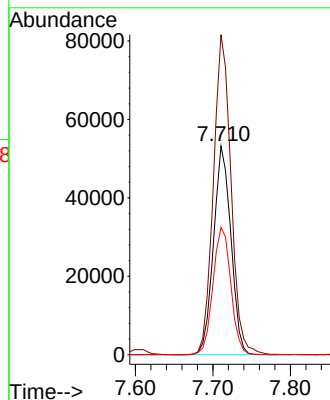
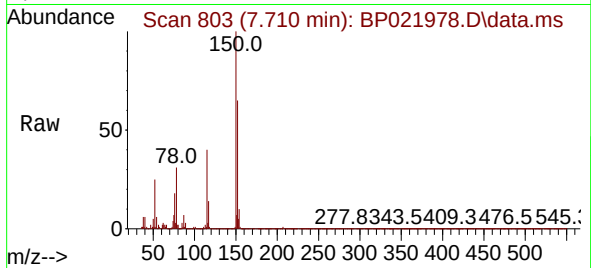
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.710 min Scan# 804
Delta R.T. -0.006 min
Lab File: BP021978.D
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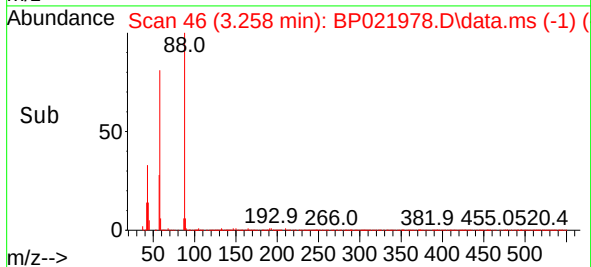
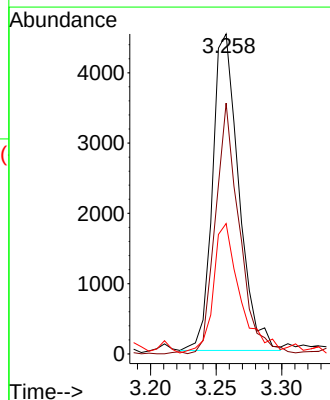
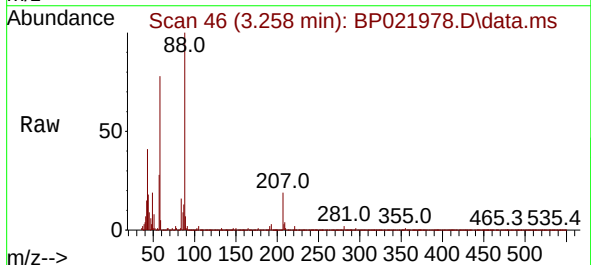
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT2-2024

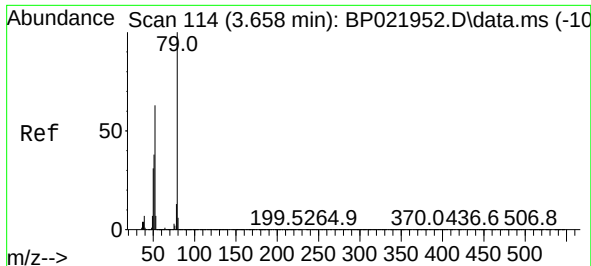
Tgt Ion:152 Resp: 82616
Ion Ratio Lower Upper
152 100
150 153.4 124.2 186.2
115 61.0 49.2 73.8



#2
1,4-Dioxane
Concen: 3.444 ng
RT: 3.258 min Scan# 46
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion: 88 Resp: 6286
Ion Ratio Lower Upper
88 100
58 72.3 53.8 80.6
43 41.8 25.2 37.8

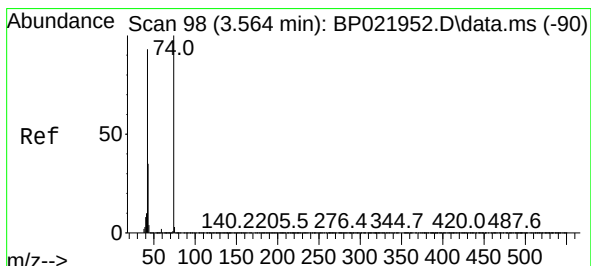
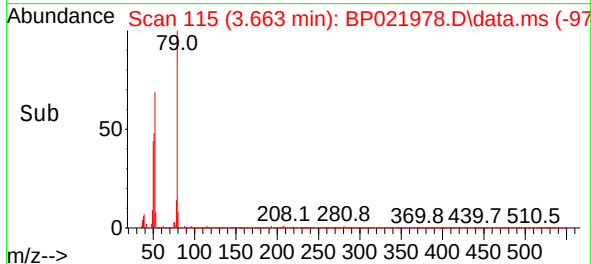
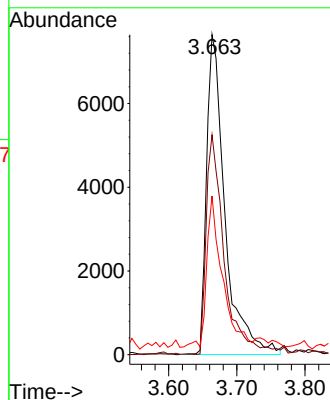
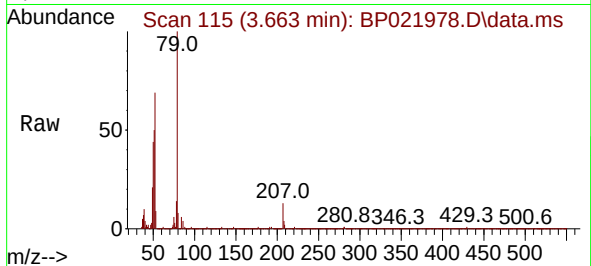




#3
Pyridine
Concen: 2.943 ng
RT: 3.663 min Scan# 114
Delta R.T. 0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

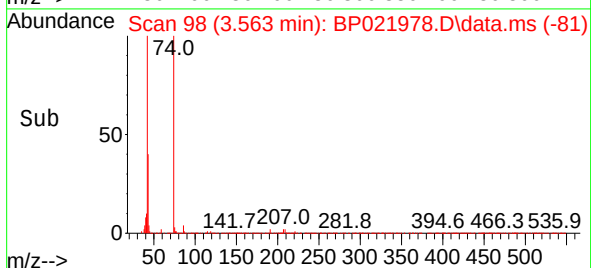
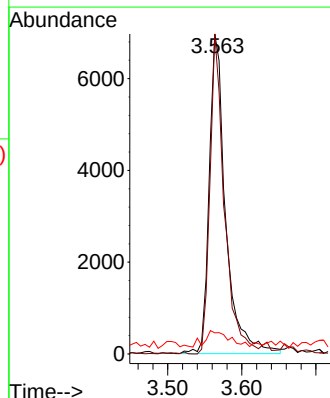
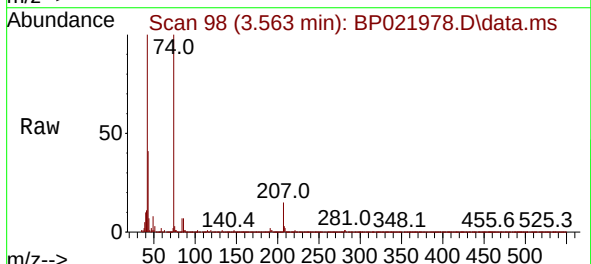
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT2-2024

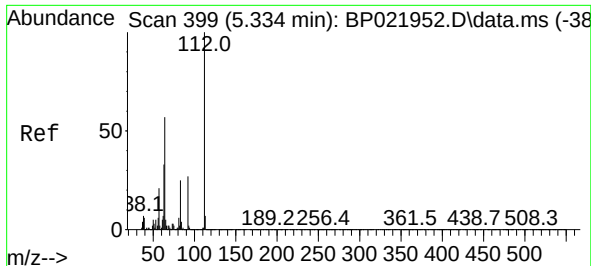
Tgt Ion: 79 Resp: 14328
Ion Ratio Lower Upper
79 100
52 68.7 50.3 75.5
51 49.6 30.9 46.3#



#4
n-Nitrosodimethylamine
Concen: 4.172 ng
RT: 3.563 min Scan# 98
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion: 42 Resp: 10715
Ion Ratio Lower Upper
42 100
74 100.0 86.3 129.5
44 6.6 4.0 6.0#

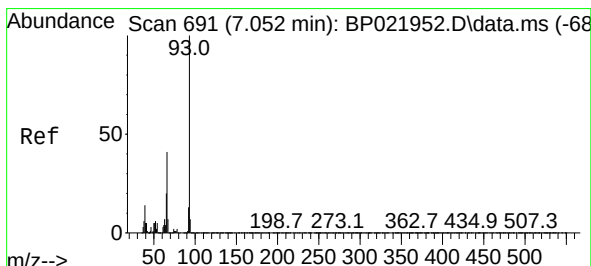
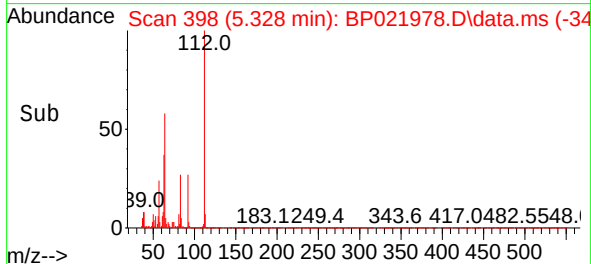
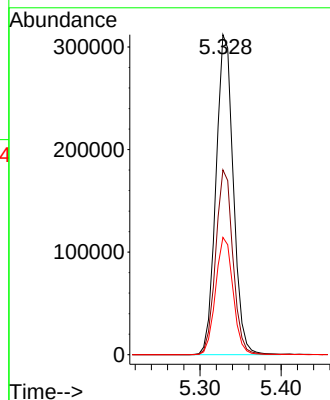
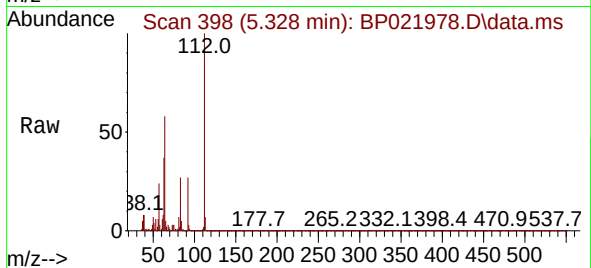




#5
2-Fluorophenol
Concen: 105.460 ng
RT: 5.328 min Scan# 399
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

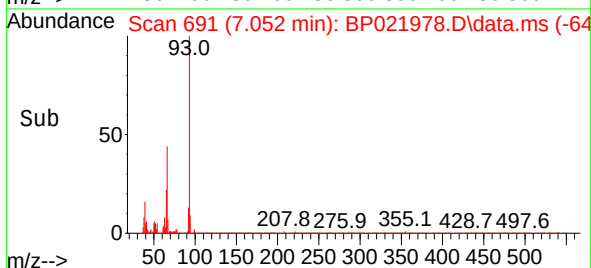
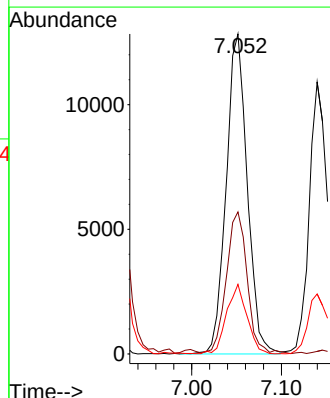
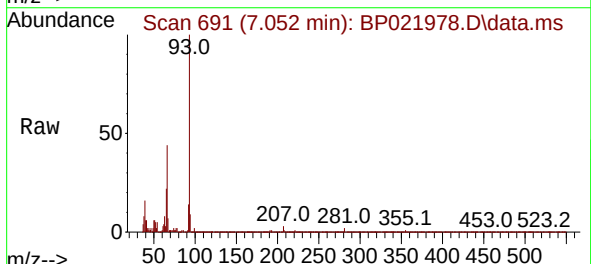
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT2-2024

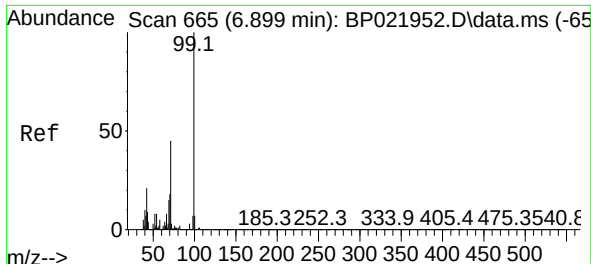
Tgt Ion:	112	Resp:	463621
Ion	Ratio	Lower	Upper
112	100		
64	57.8	45.4	68.0
63	36.6	26.6	39.8



#6
Aniline
Concen: 4.177 ng
RT: 7.052 min Scan# 691
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:	93	Resp:	20947
Ion	Ratio	Lower	Upper
93	100		
66	44.4	33.0	49.4
65	21.7	16.1	24.1

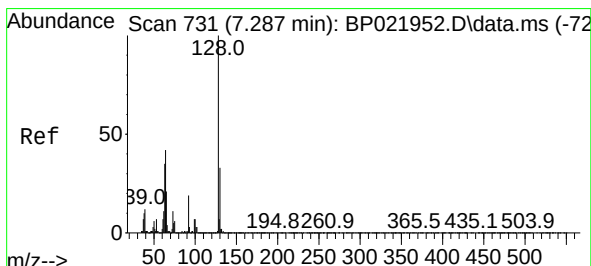
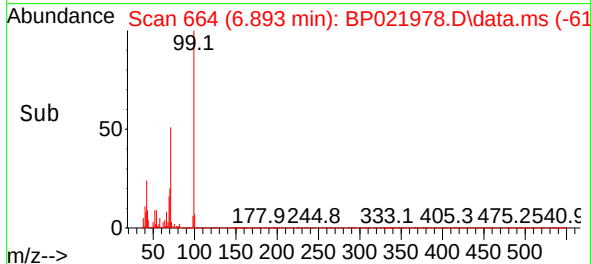
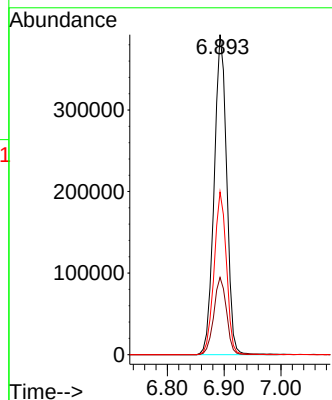
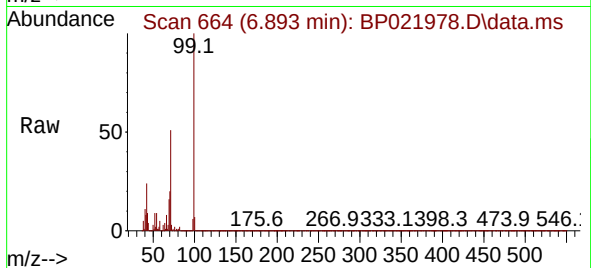




#7
Phenol-d6
Concen: 105.078 ng
RT: 6.893 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

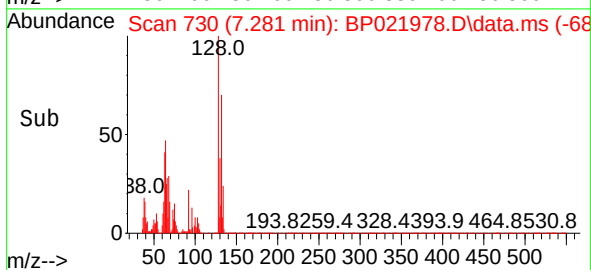
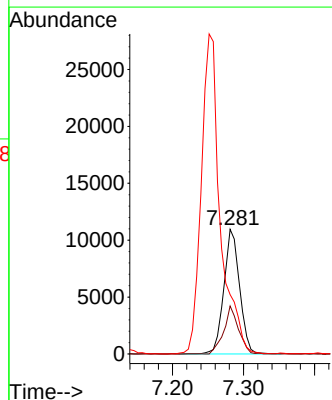
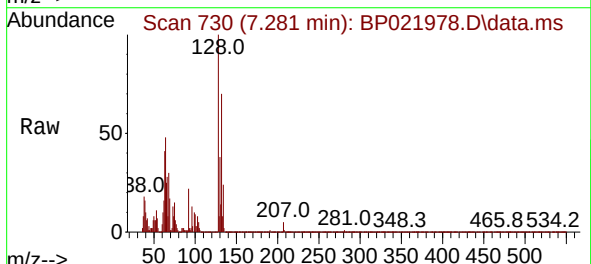
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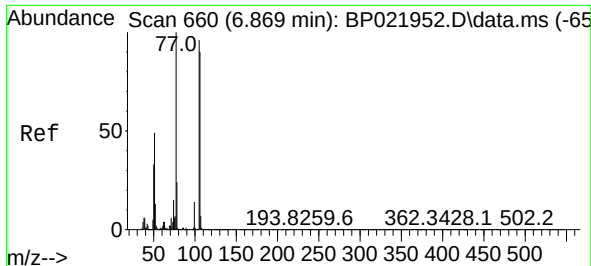
Tgt Ion: 99 Resp: 599683
Ion Ratio Lower Upper
99 100
42 24.2 16.8 25.2
71 50.8 35.8 53.6



#8
2-Chlorophenol
Concen: 3.579 ng
RT: 7.281 min Scan# 730
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion: 128 Resp: 16826
Ion Ratio Lower Upper
128 100
130 38.5 13.1 53.1
64 47.7 22.1 62.1

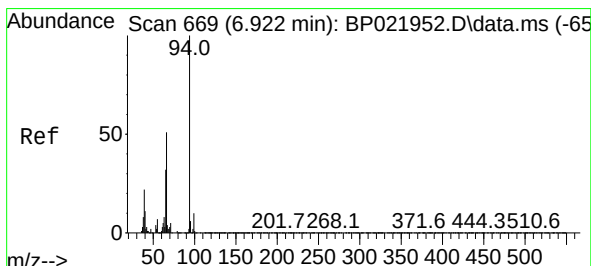
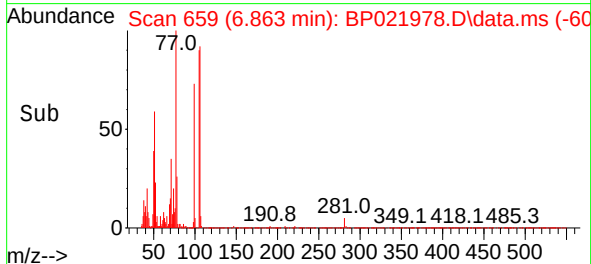
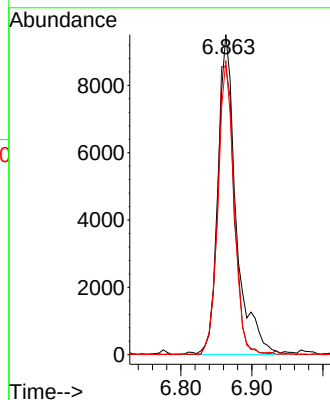
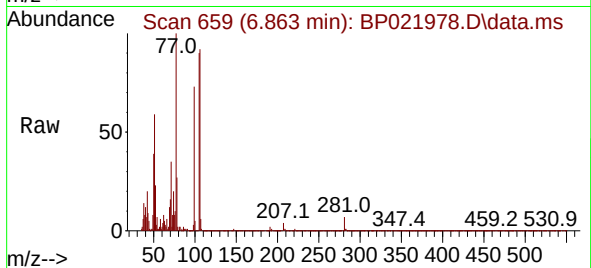




#9
Benzaldehyde
Concen: 5.660 ng
RT: 6.863 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

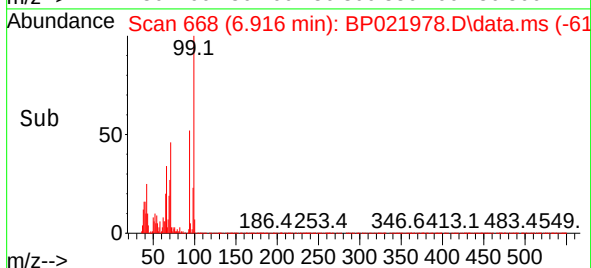
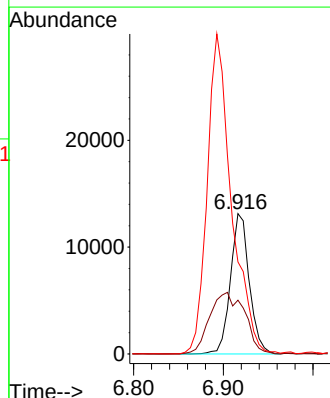
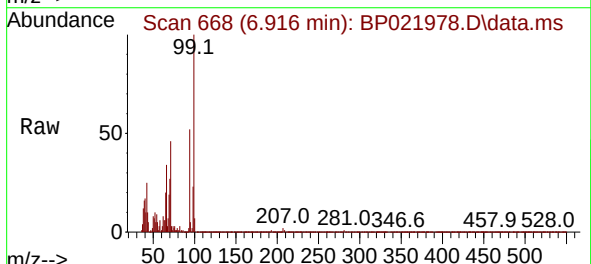
Instrument :
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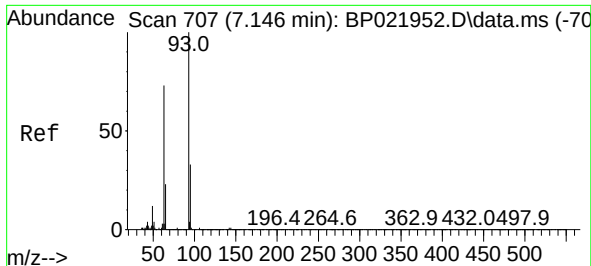
Tgt Ion: 77 Resp: 16890
Ion Ratio Lower Upper
77 100
105 90.1 76.1 116.1
106 91.9 69.9 109.9



#10
Phenol
Concen: 3.372 ng
RT: 6.916 min Scan# 668
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion: 94 Resp: 19116
Ion Ratio Lower Upper
94 100
65 38.3 12.5 52.5
66 65.6 31.2 71.2





#11

bis(2-Chloroethyl)ether

Concen: 3.621 ng

RT: 7.140 min Scan# 707

Delta R.T. -0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

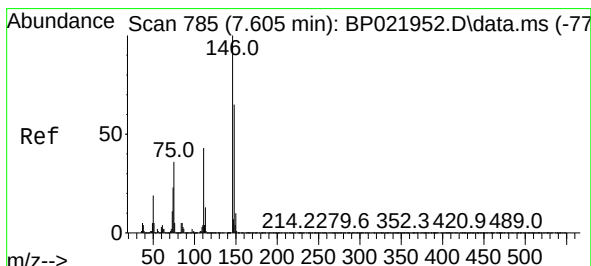
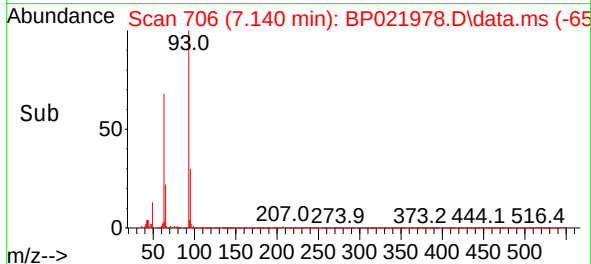
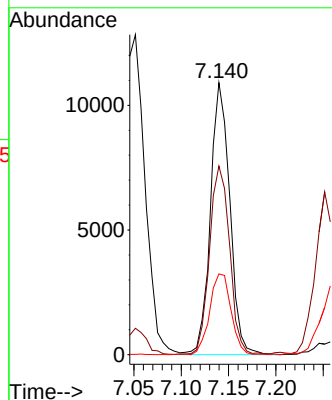
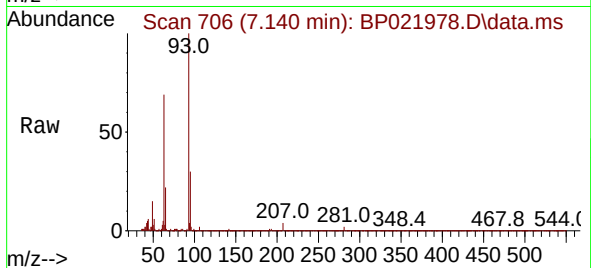
Tgt Ion: 93 Resp: 15461

Ion Ratio Lower Upper

93 100

63 69.3 53.0 93.0

95 29.7 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 3.472 ng

RT: 7.599 min Scan# 784

Delta R.T. -0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

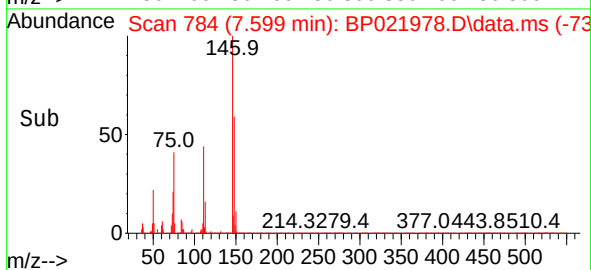
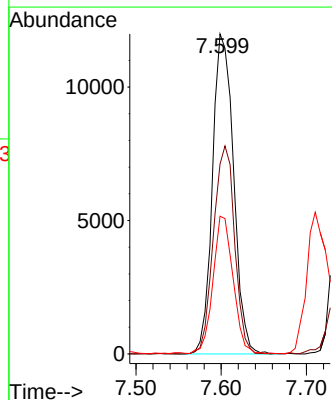
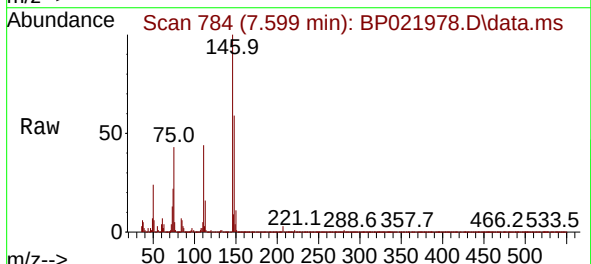
Tgt Ion:146 Resp: 20607

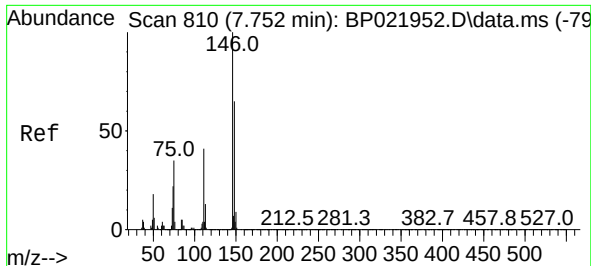
Ion Ratio Lower Upper

146 100

148 59.3 52.3 78.5

75 43.1 29.0 43.6

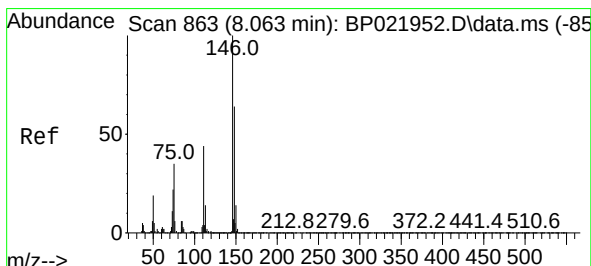
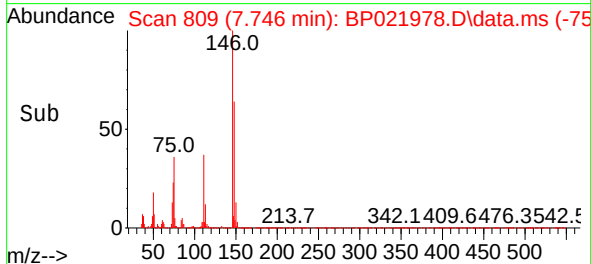
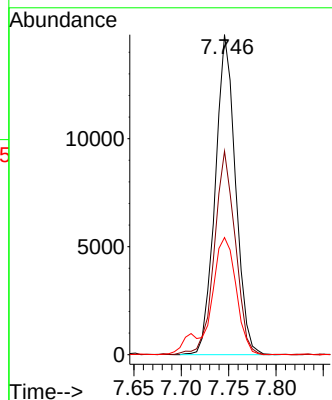
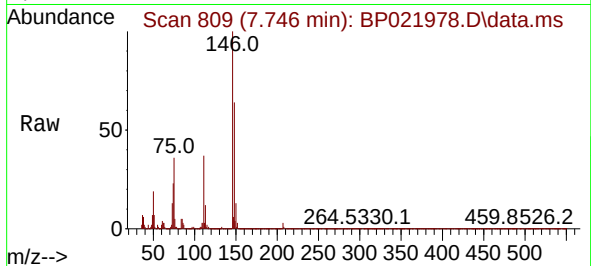




#13
1,4-Dichlorobenzene
Concen: 3.670 ng
RT: 7.746 min Scan# 809
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

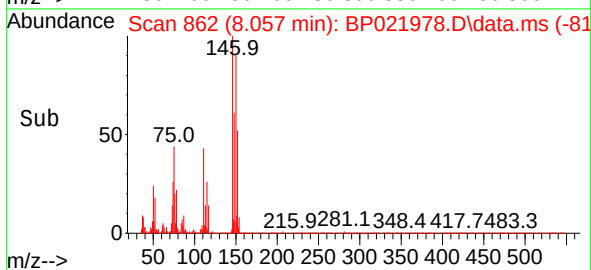
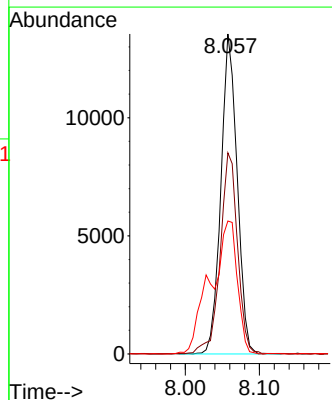
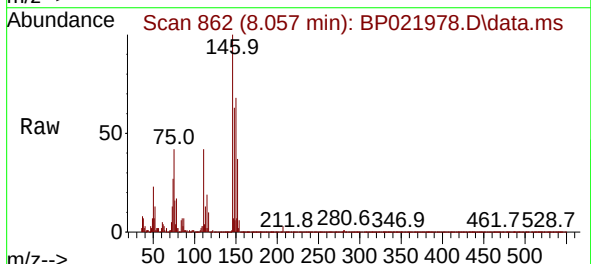
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

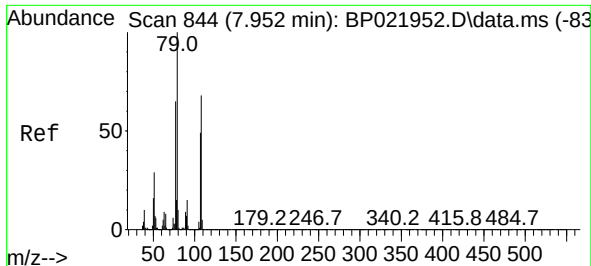
Tgt Ion:146 Resp: 22088
Ion Ratio Lower Upper
146 100
148 63.6 52.2 78.4
111 36.6 32.6 48.8



#14
1,2-Dichlorobenzene
Concen: 3.570 ng
RT: 8.057 min Scan# 862
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:146 Resp: 20621
Ion Ratio Lower Upper
146 100
148 62.8 51.3 76.9
111 41.5 35.6 53.4

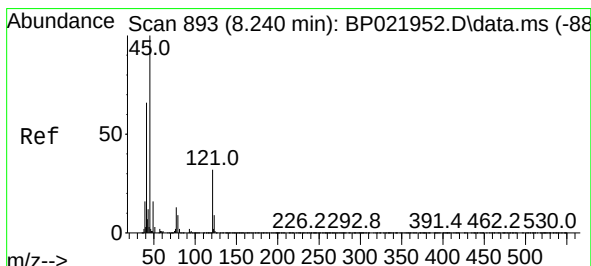
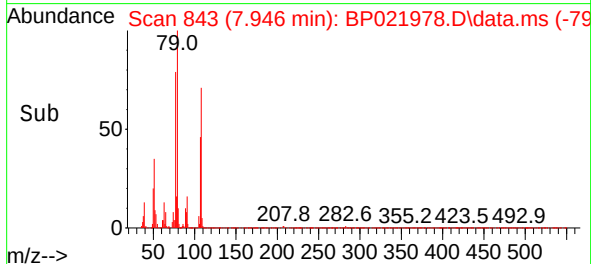
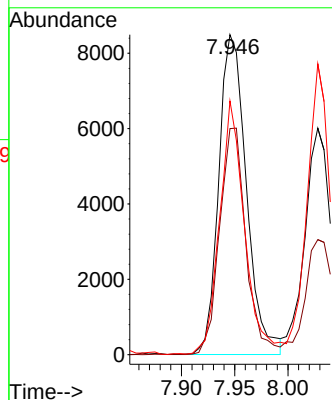
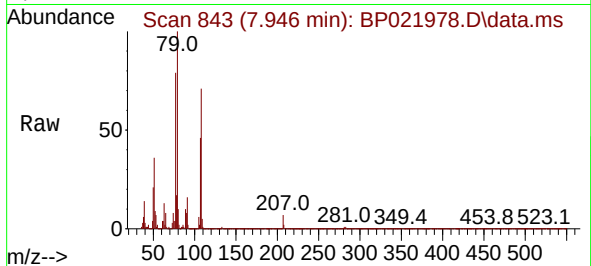




#15
Benzyl Alcohol
Concen: 3.499 ng
RT: 7.946 min Scan# 844
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

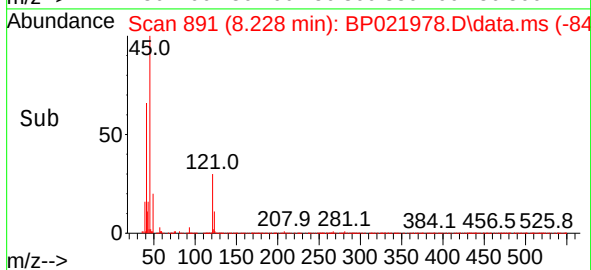
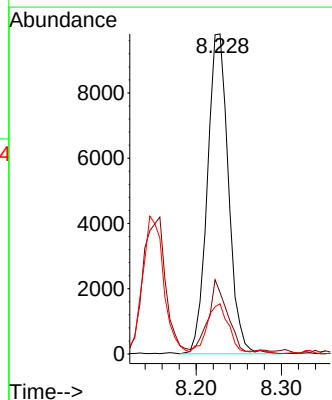
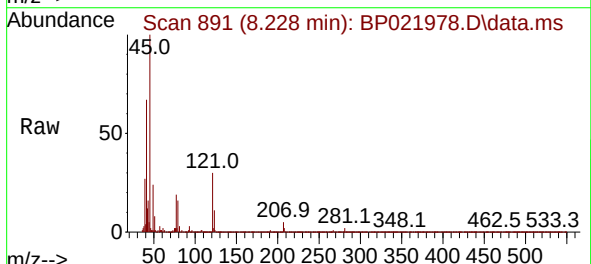
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

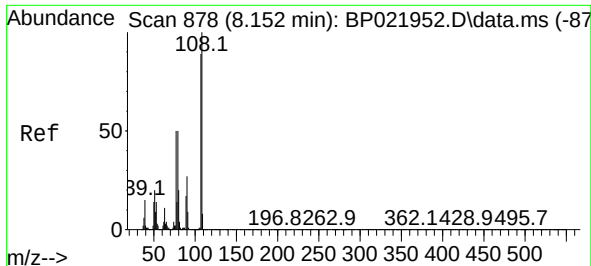
Tgt Ion: 79 Resp: 15314
Ion Ratio Lower Upper
79 100
108 70.7 54.7 82.1
77 79.3 51.8 77.8#



#16
2,2'-oxybis(1-chloropropane)
Concen: 3.711 ng
RT: 8.228 min Scan# 891
Delta R.T. -0.012 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

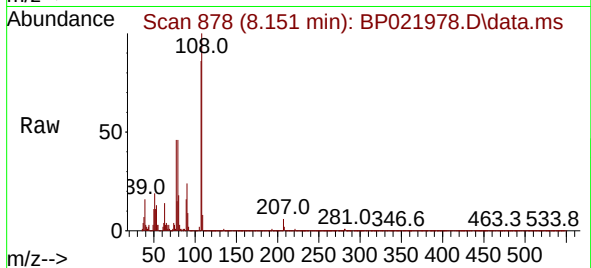
Tgt Ion: 45 Resp: 16902
Ion Ratio Lower Upper
45 100
77 19.2 0.0 39.5
79 15.7 0.0 34.9



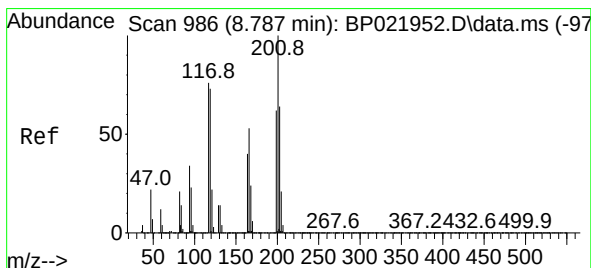
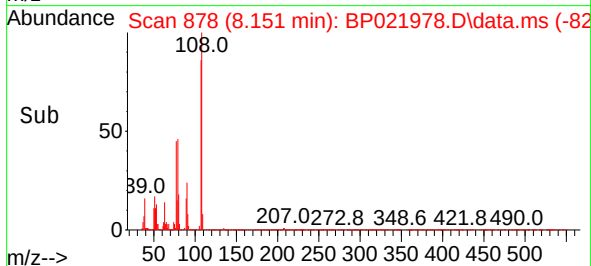
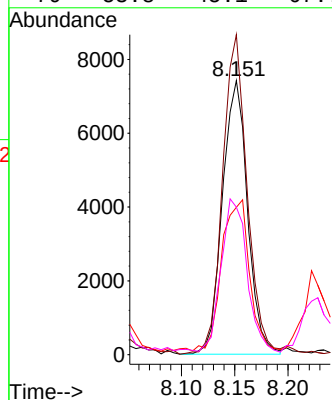


#17
2-Methylphenol
Concen: 3.169 ng
RT: 8.151 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

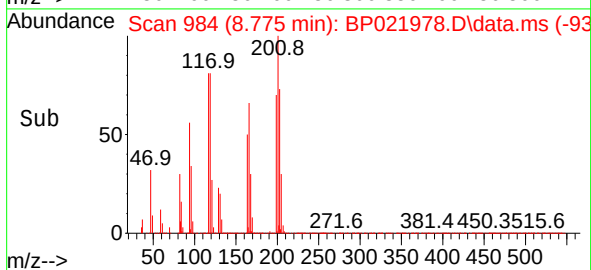
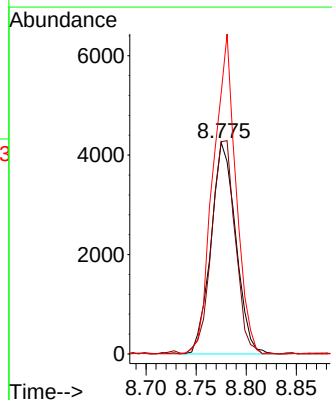
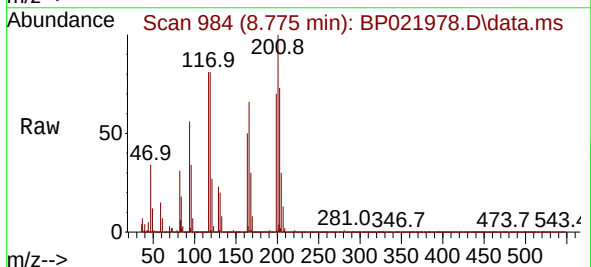


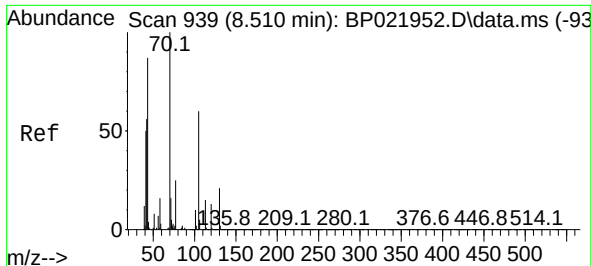
Tgt Ion:107 Resp: 12134
Ion Ratio Lower Upper
107 100
108 116.8 90.3 135.5
77 53.8 45.1 67.7
79 53.8 45.1 67.7



#18
Hexachloroethane
Concen: 3.297 ng
RT: 8.775 min Scan# 984
Delta R.T. -0.012 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:117 Resp: 7296
Ion Ratio Lower Upper
117 100
119 100.4 77.0 115.4
201 123.3 105.6 158.4

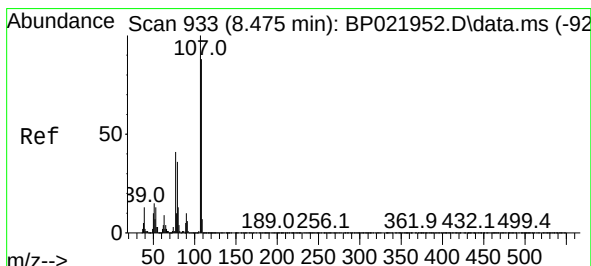
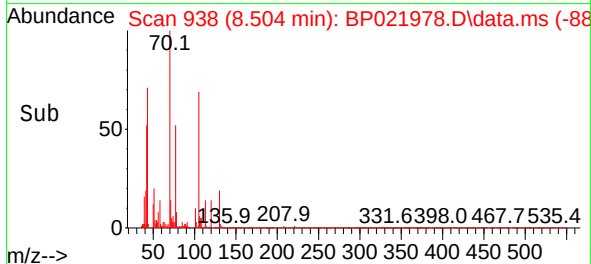
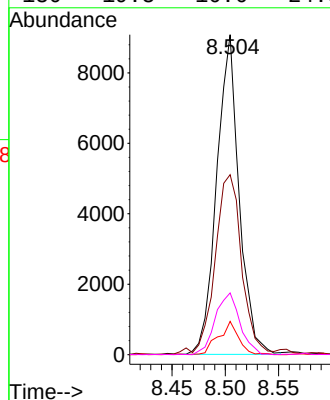
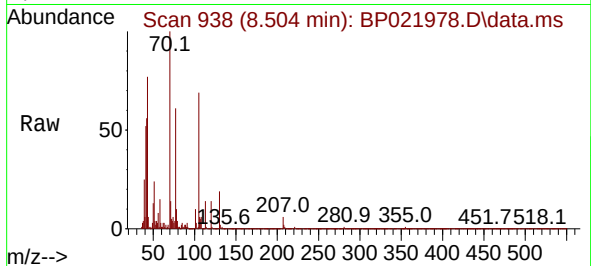




#19
n-Nitroso-di-n-propylamine
Concen: 3.746 ng
RT: 8.504 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

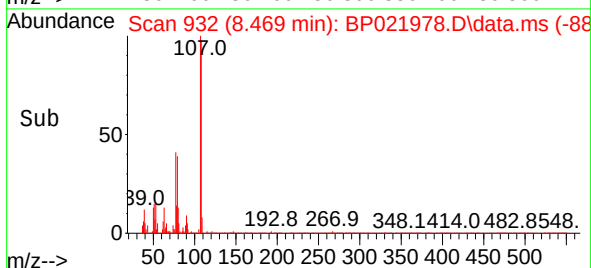
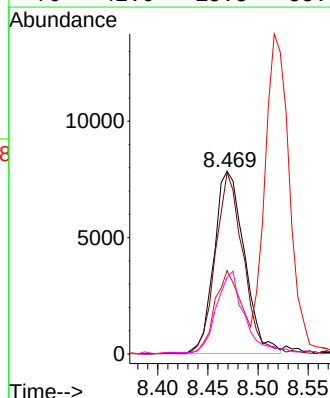
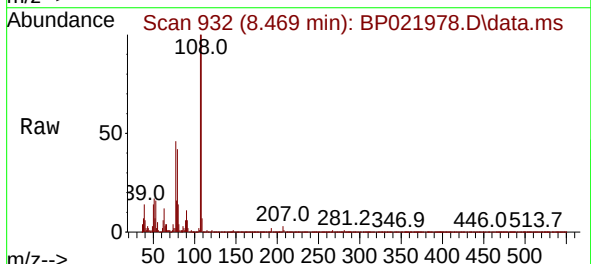
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

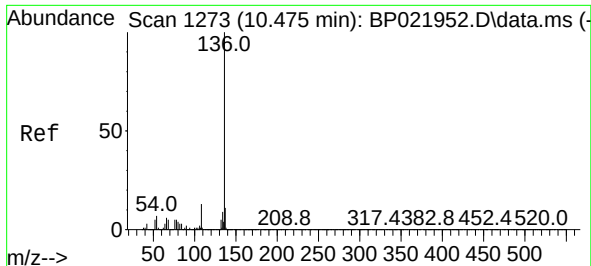
Tgt Ion: 70	Resp: 13289
Ion Ratio	Lower Upper
70 100	
42 56.3	45.2 67.8
101 10.4	7.8 11.6
130 19.3	16.6 24.8



#20
3+4-Methylphenols
Concen: 3.032 ng
RT: 8.469 min Scan# 932
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt	Ion:107	Resp:	16392
Ion	Ratio	Lower	Upper
107	100		
108	99.5	68.3	108.3
77	45.6	20.6	60.6
79	42.0	15.8	55.8

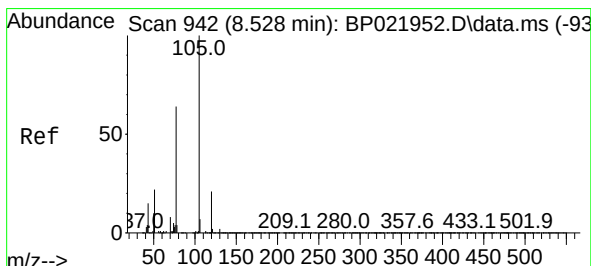
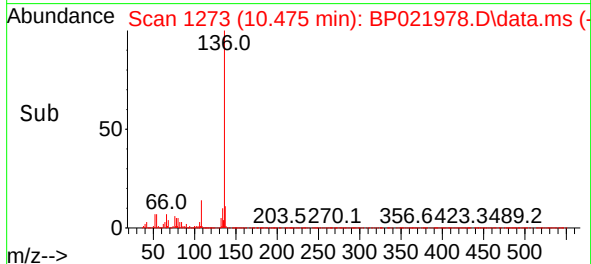
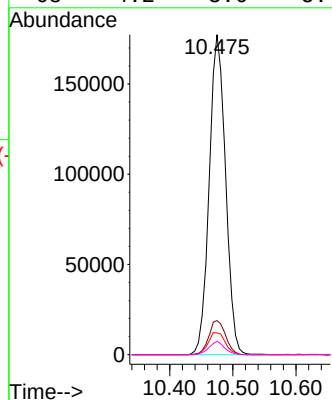
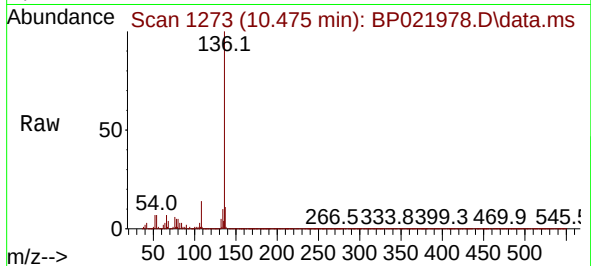




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

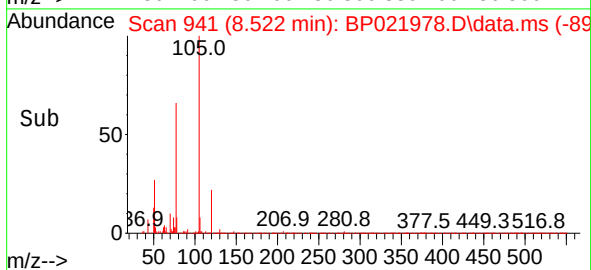
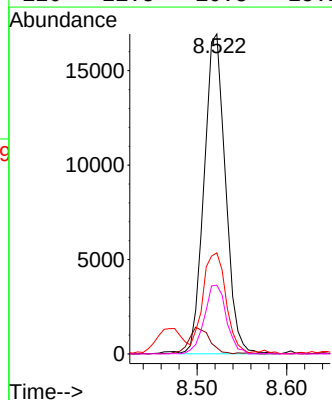
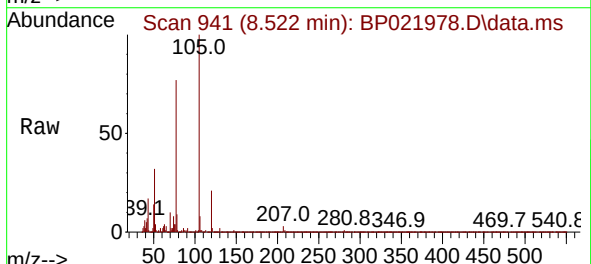
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

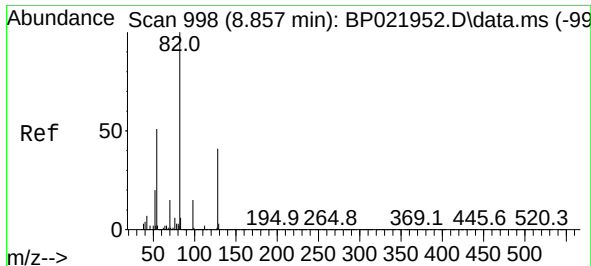
Tgt Ion:	136	Resp:	318886
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.8	5.5	8.3
68	4.2	3.6	5.4



#22
Acetophenone
Concen: 3.595 ng
RT: 8.522 min Scan# 941
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:	105	Resp:	27965
Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.4	2.0
51	31.6	22.1	33.1
120	21.5	16.8	25.2





#23

Nitrobenzene-d5

Concen: 76.302 ng

RT: 8.851 min Scan# 94

Delta R.T. -0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

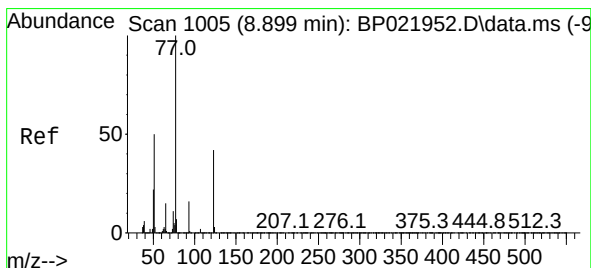
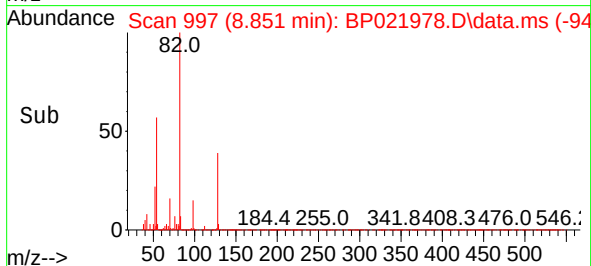
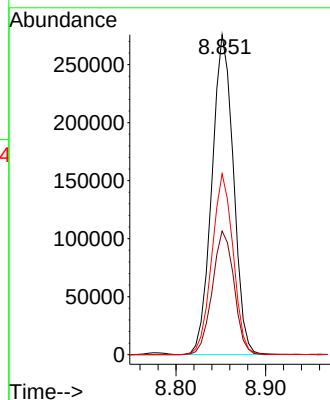
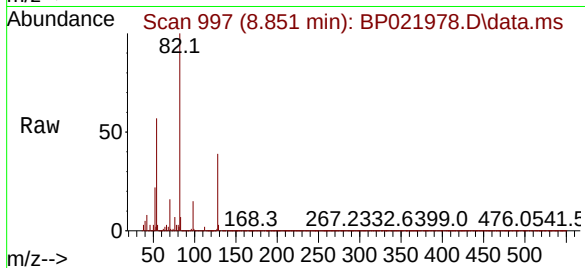
Tgt Ion: 82 Resp: 459840

Ion Ratio Lower Upper

82 100

128 38.6 33.1 49.7

54 56.6 40.3 60.5



#24

Nitrobenzene

Concen: 3.491 ng

RT: 8.893 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

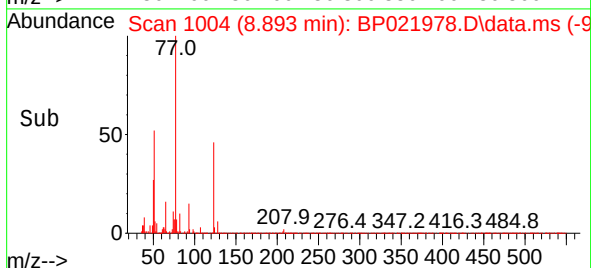
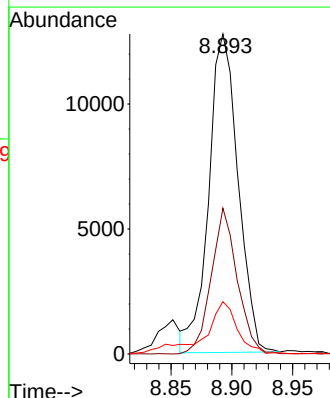
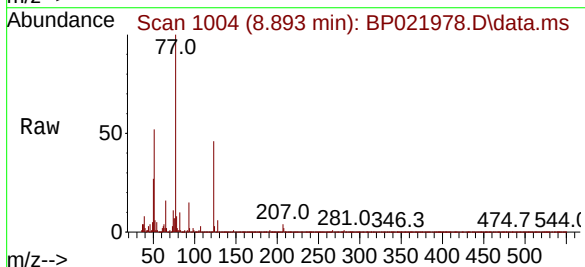
Tgt Ion: 77 Resp: 21365

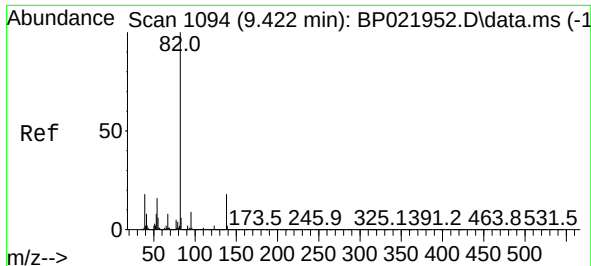
Ion Ratio Lower Upper

77 100

123 45.6 33.9 50.9

65 16.4 12.0 18.0

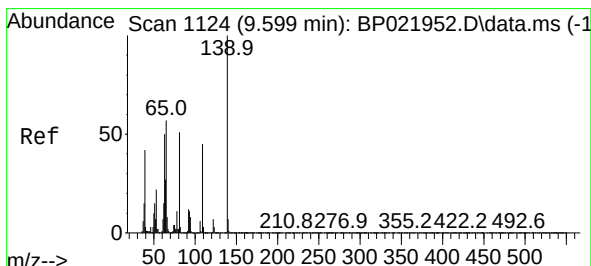
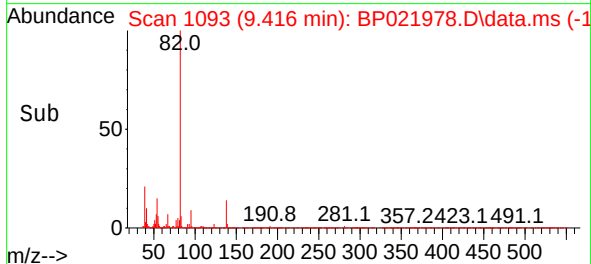
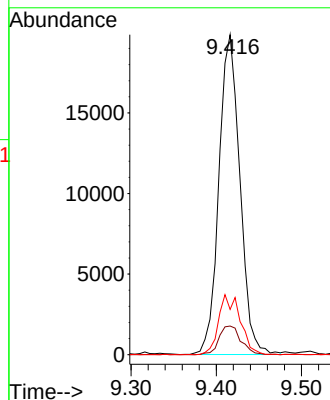
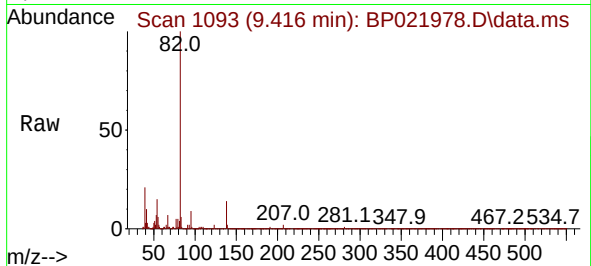




#25
Isophorone
Concen: 3.426 ng
RT: 9.416 min Scan# 1093
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

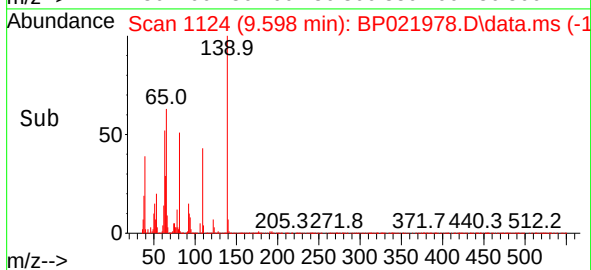
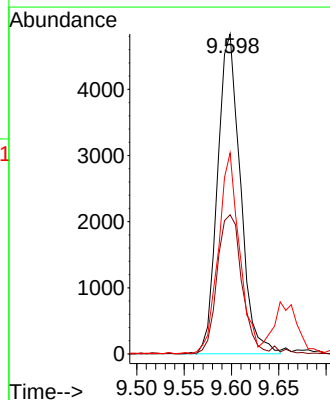
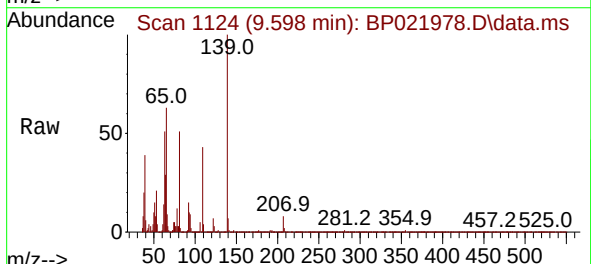
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

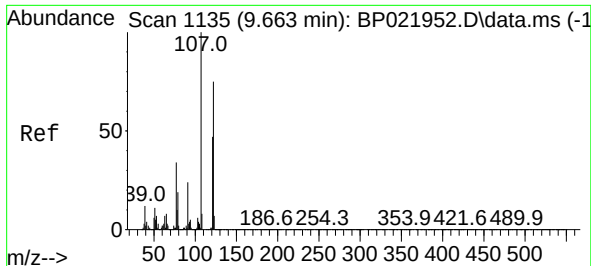
Tgt Ion: 82 Resp: 34042
Ion Ratio Lower Upper
82 100
95 9.0 7.0 10.6
138 14.1 14.6 21.8#



#26
2-Nitrophenol
Concen: 3.021 ng
RT: 9.598 min Scan# 1124
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion: 139 Resp: 8083
Ion Ratio Lower Upper
139 100
109 43.5 36.0 54.0
65 62.9 45.7 68.5

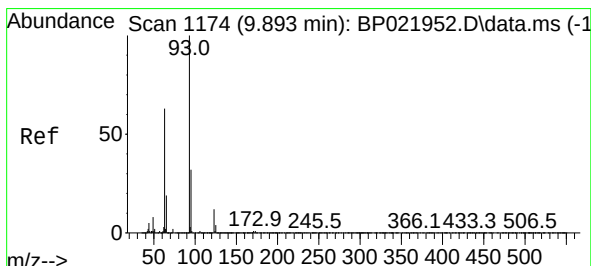
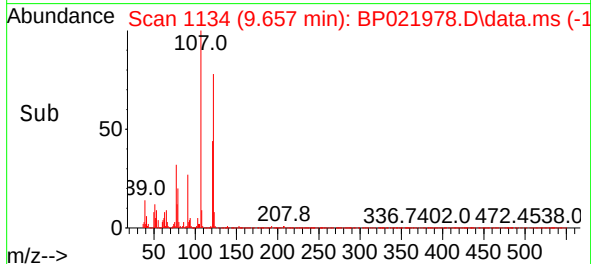
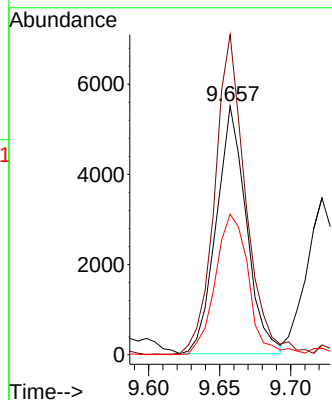
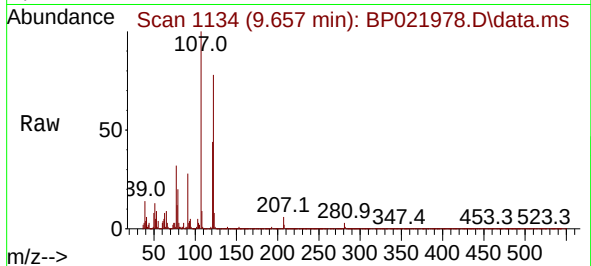




#27
2,4-Dimethylphenol
Concen: 2.607 ng
RT: 9.657 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

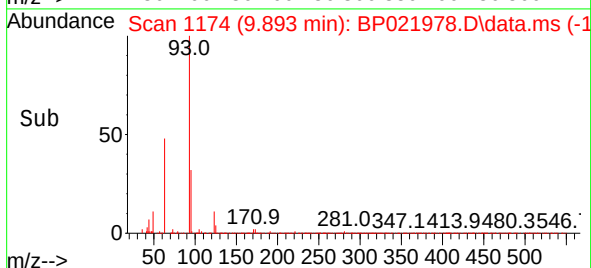
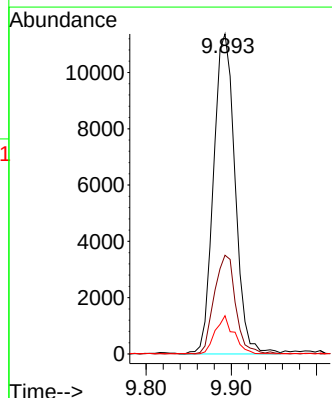
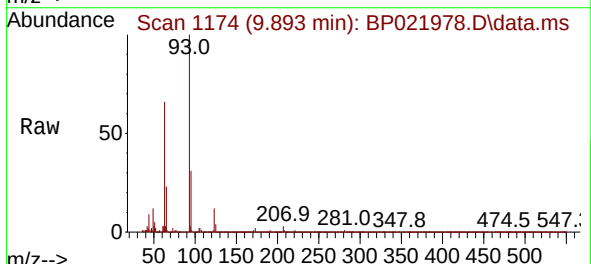
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

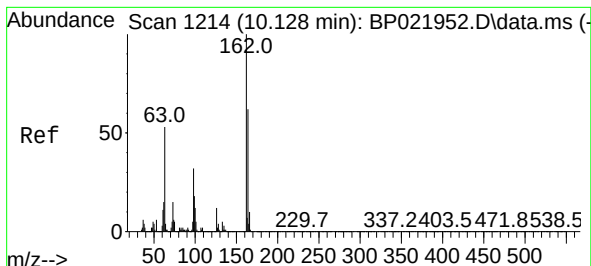
Tgt Ion:122 Resp: 8078
Ion Ratio Lower Upper
122 100
107 128.7 106.1 159.1
121 56.5 49.6 74.4



#28
bis(2-Chloroethoxy)methane
Concen: 3.343 ng
RT: 9.893 min Scan# 1174
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion: 93 Resp: 19916
Ion Ratio Lower Upper
93 100
95 30.8 25.7 38.5
123 11.9 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 3.083 ng

RT: 10.134 min Scan# 1214

Delta R.T. 0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

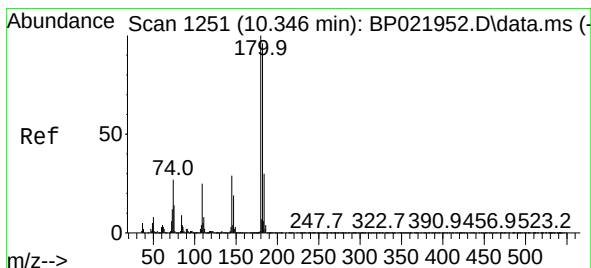
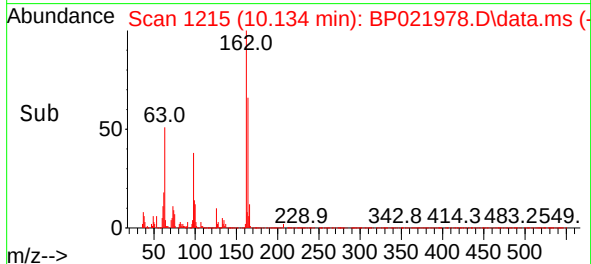
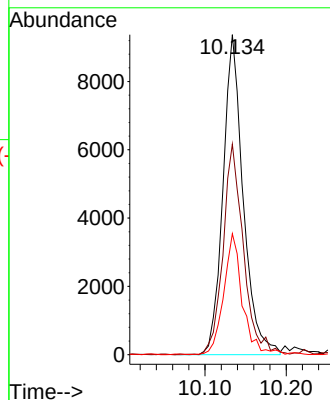
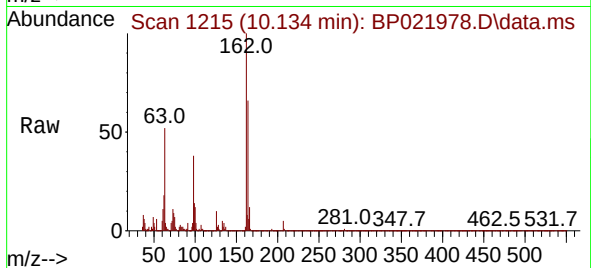
Tgt Ion:162 Resp: 16213

Ion Ratio Lower Upper

162 100

164 65.8 41.7 81.7

98 37.8 12.4 52.4



#30

1,2,4-Trichlorobenzene

Concen: 3.423 ng

RT: 10.334 min Scan# 1249

Delta R.T. -0.012 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

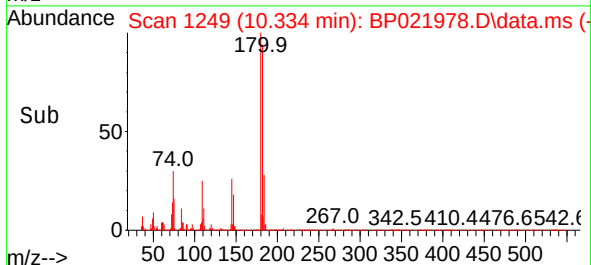
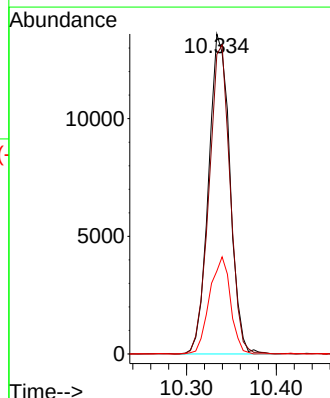
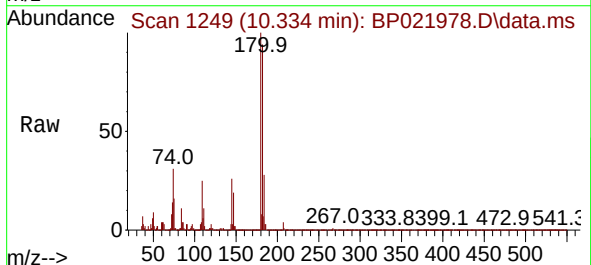
Tgt Ion:180 Resp: 22423

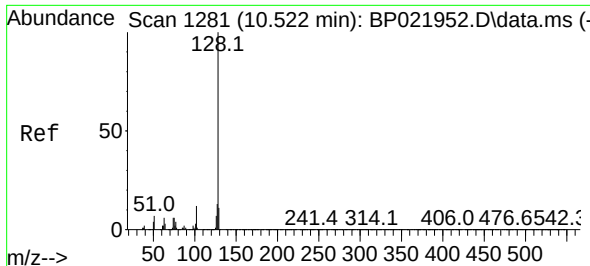
Ion Ratio Lower Upper

180 100

182 93.6 77.0 115.4

145 25.9 23.0 34.6

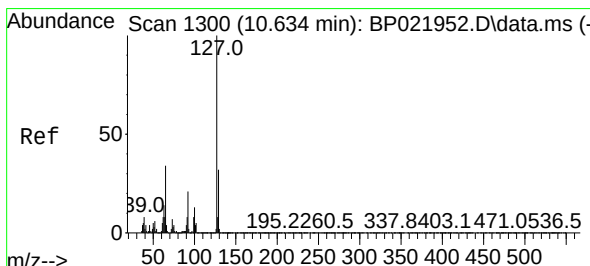
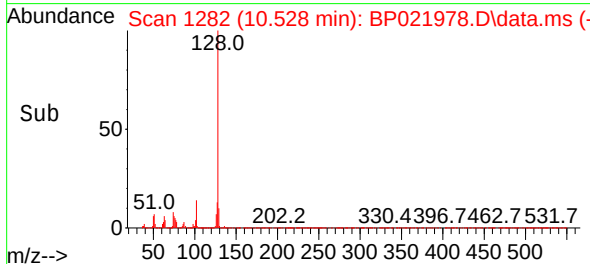
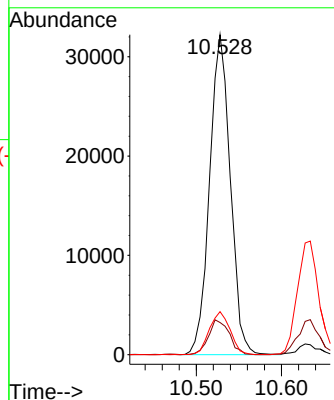
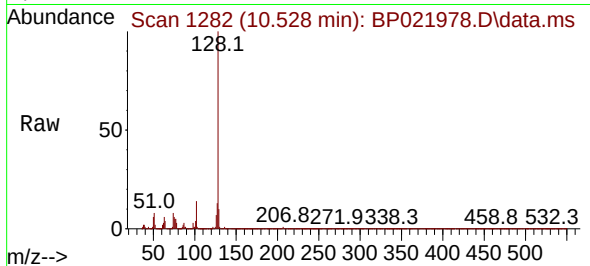




#31
Naphthalene
Concen: 3.425 ng
RT: 10.528 min Scan# 1281
Delta R.T. 0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

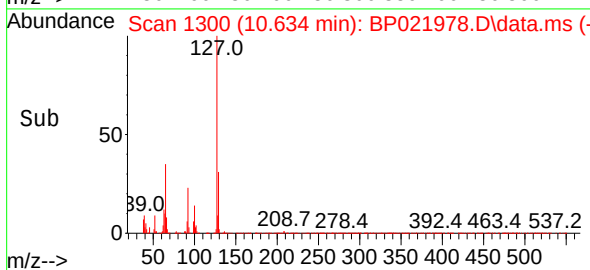
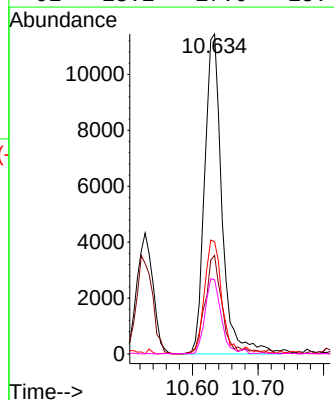
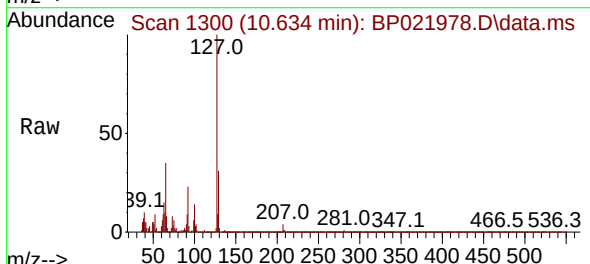
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

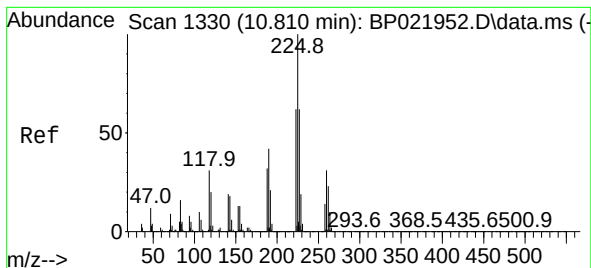
Tgt Ion:	128	Resp:	54503
Ion	Ratio	Lower	Upper
128	100		
129	10.0	8.6	13.0
127	13.4	10.6	15.8



#33
4-Chloroaniline
Concen: 3.678 ng
RT: 10.634 min Scan# 1300
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:	127	Resp:	21111
Ion	Ratio	Lower	Upper
127	100		
129	30.8	25.4	38.0
65	35.1	27.4	41.2
92	23.2	17.0	25.4





#34

Hexachlorobutadiene

Concen: 3.405 ng

RT: 10.816 min Scan# 1430

Delta R.T. 0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

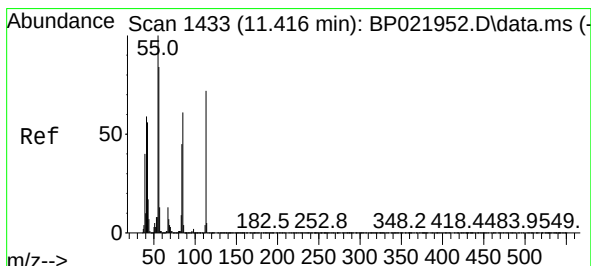
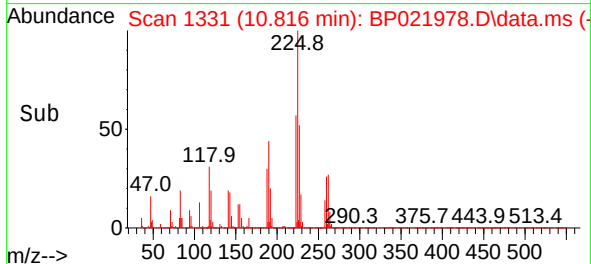
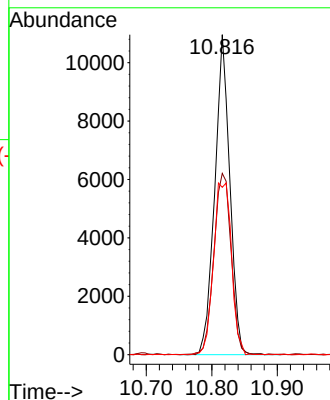
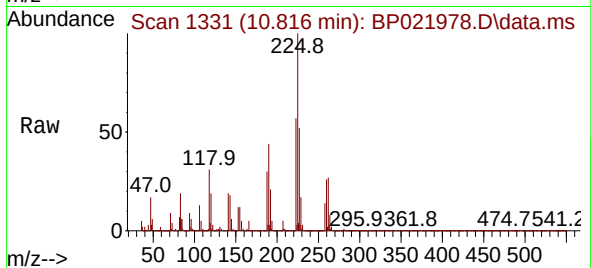
Tgt Ion:225 Resp: 17450

Ion Ratio Lower Upper

225 100

223 56.7 50.0 75.0

227 52.3 49.7 74.5



#35

Caprolactam

Concen: 2.846 ng

RT: 11.404 min Scan# 1431

Delta R.T. -0.012 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

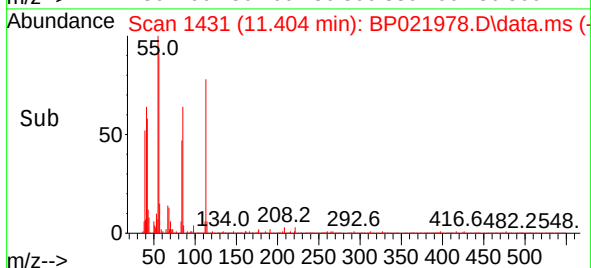
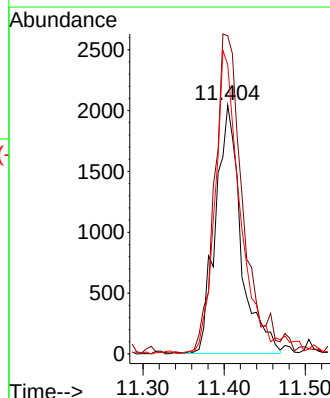
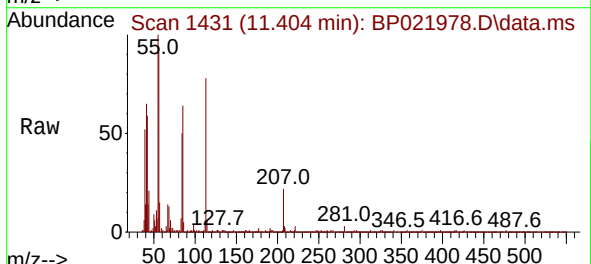
Tgt Ion:113 Resp: 4455

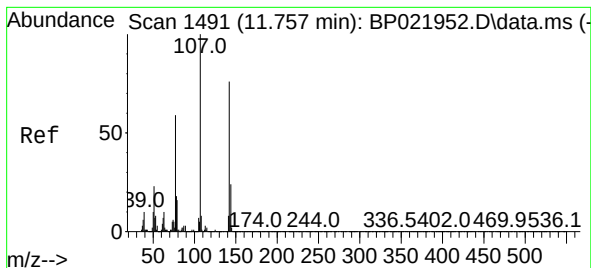
Ion Ratio Lower Upper

113 100

55 127.8 119.4 159.4

56 116.2 97.1 137.1

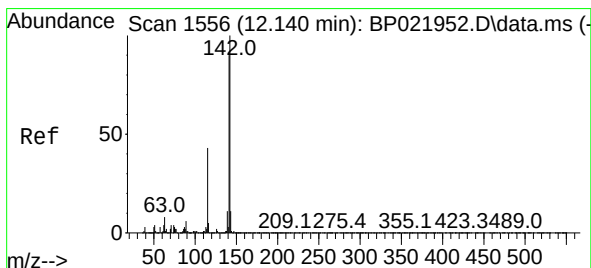
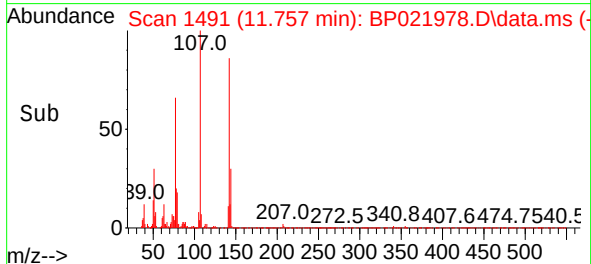
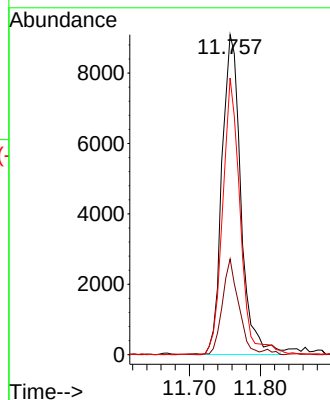
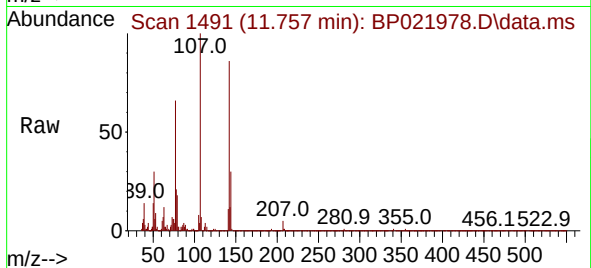




#36
4-Chloro-3-methylphenol
Concen: 2.964 ng
RT: 11.757 min Scan# 1491
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

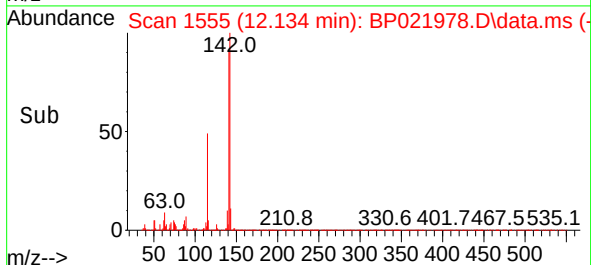
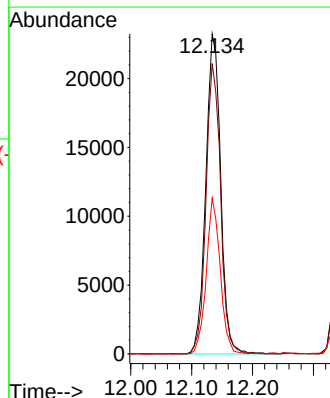
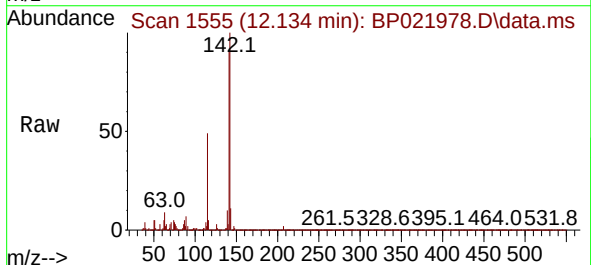
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2024

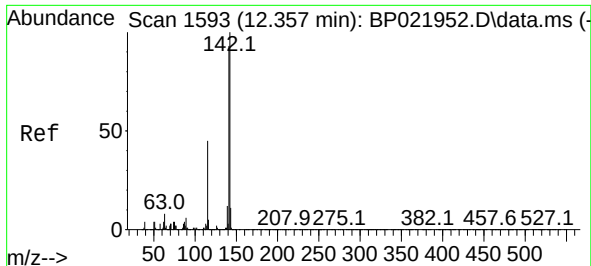
Tgt Ion:107 Resp: 16727
Ion Ratio Lower Upper
107 100
144 29.9 19.0 28.4#
142 86.5 60.4 90.6



#37
2-Methylnaphthalene
Concen: 3.391 ng
RT: 12.134 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:142 Resp: 39481
Ion Ratio Lower Upper
142 100
141 90.7 71.7 107.5
115 48.7 34.6 51.8





#38

1-Methylnaphthalene

Concen: 3.273 ng

RT: 12.345 min Scan# 1593

Delta R.T. -0.012 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

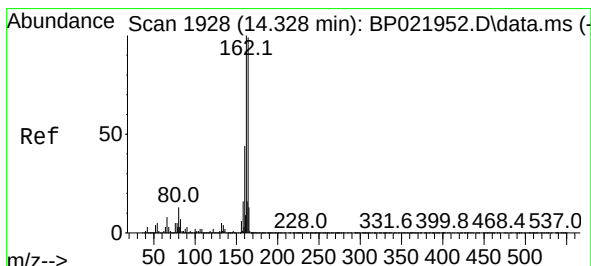
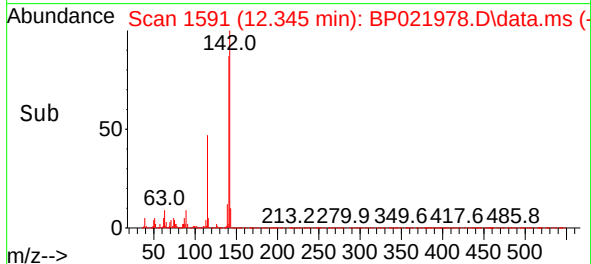
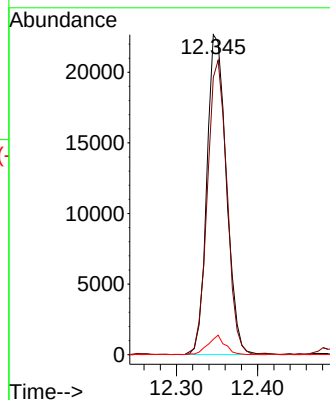
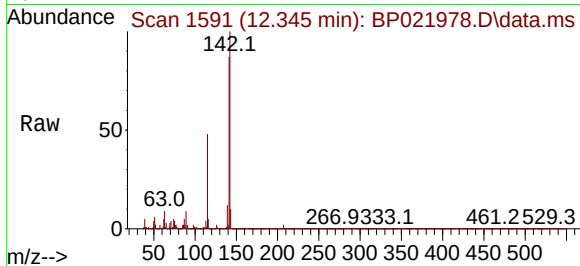
Tgt Ion:142 Resp: 37615

Ion Ratio Lower Upper

142 100

141 86.7 74.1 111.1

116 4.8 3.8 5.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.334 min Scan# 1929

Delta R.T. 0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

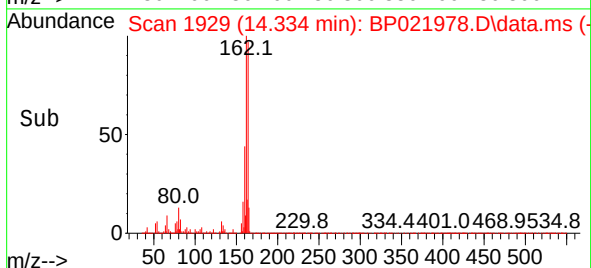
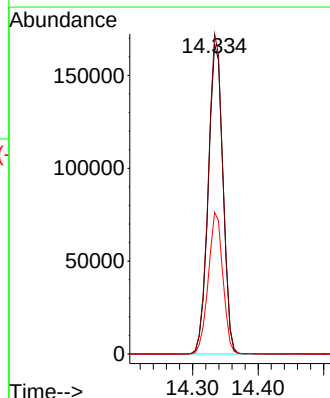
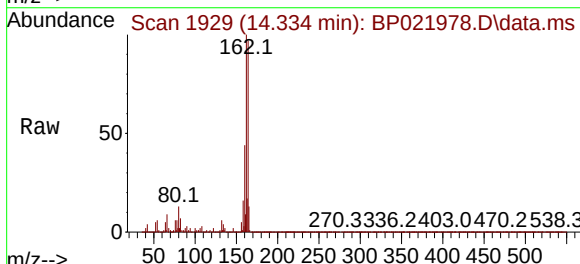
Tgt Ion:164 Resp: 259790

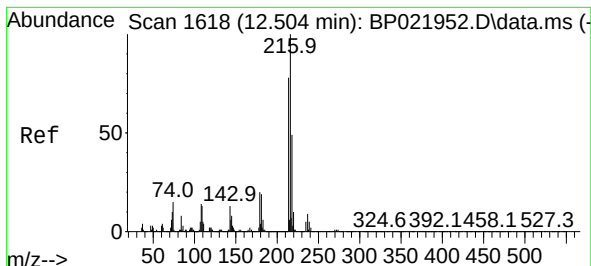
Ion Ratio Lower Upper

164 100

162 103.4 81.2 121.8

160 45.8 35.9 53.9





#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.267 ng

RT: 12.510 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:216 Resp: 29690

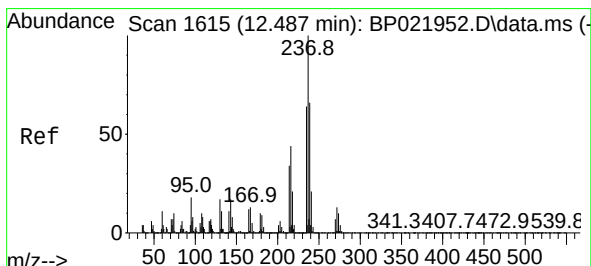
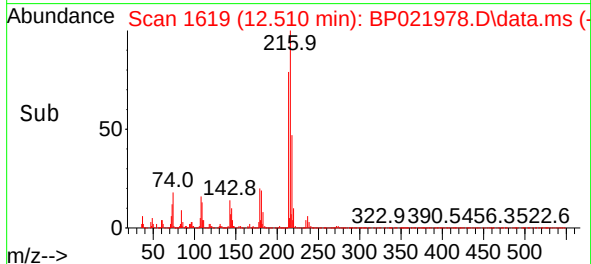
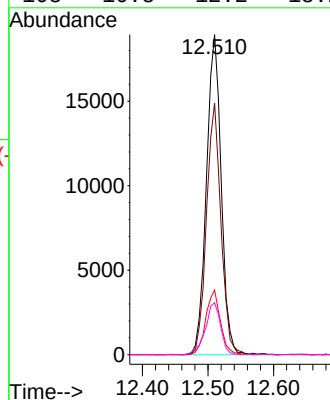
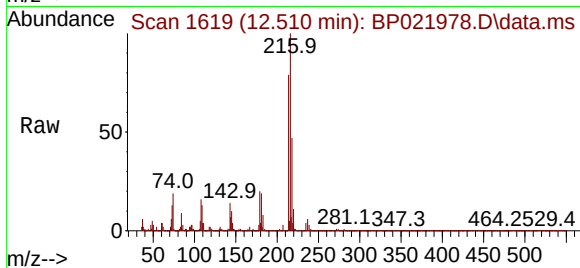
Ion Ratio Lower Upper

216 100

214 76.8 62.8 94.2

179 19.9 16.4 24.6

108 16.8 12.2 18.2



#41

Hexachlorocyclopentadiene

Concen: 2.380 ng

RT: 12.492 min Scan# 1616

Delta R.T. 0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

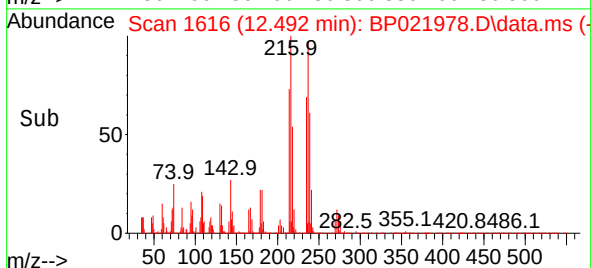
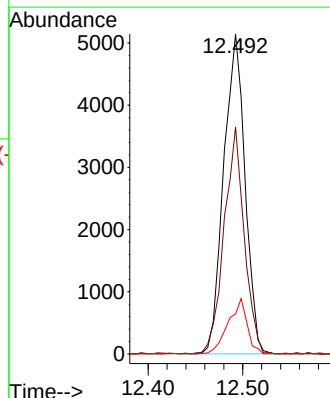
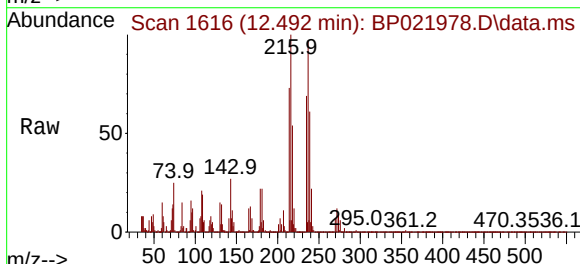
Tgt Ion:237 Resp: 8038

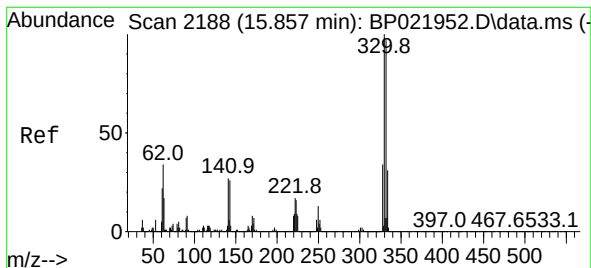
Ion Ratio Lower Upper

237 100

235 70.9 44.1 84.1

272 12.4 0.0 33.1





#42

2,4,6-Tribromophenol

Concen: 123.297 ng

RT: 15.839 min Scan# 2188

Delta R.T. -0.018 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

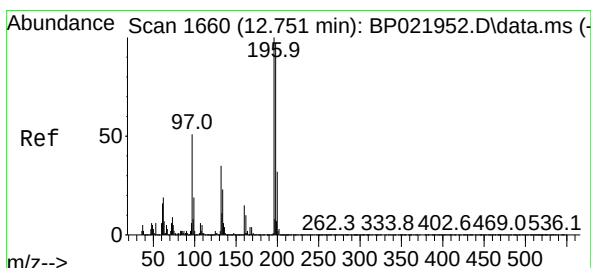
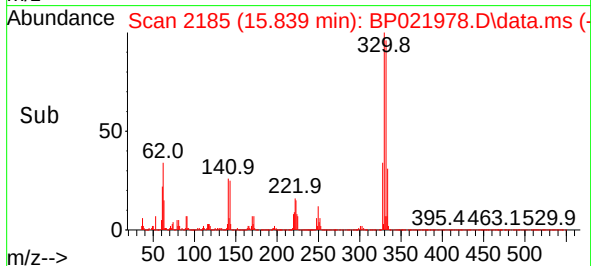
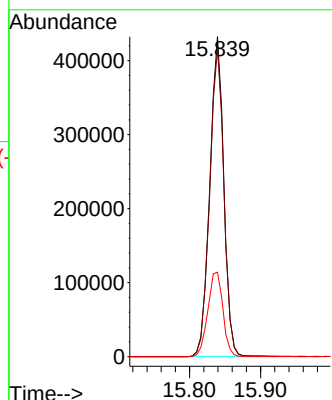
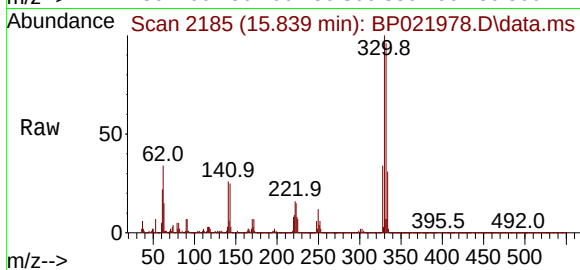
Tgt Ion:330 Resp: 593824

Ion Ratio Lower Upper

330 100

332 97.6 77.5 116.3

141 28.5 23.4 35.0



#43

2,4,6-Trichlorophenol

Concen: 2.864 ng

RT: 12.751 min Scan# 1660

Delta R.T. -0.000 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

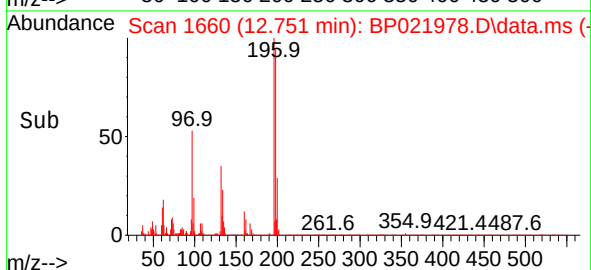
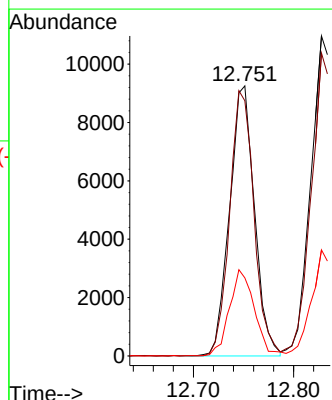
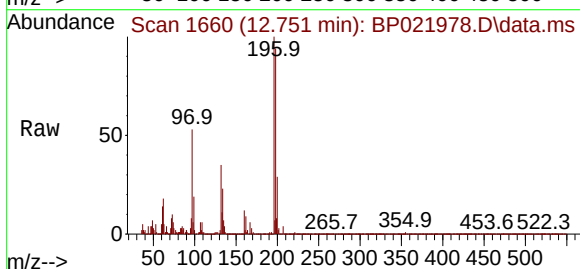
Tgt Ion:196 Resp: 15977

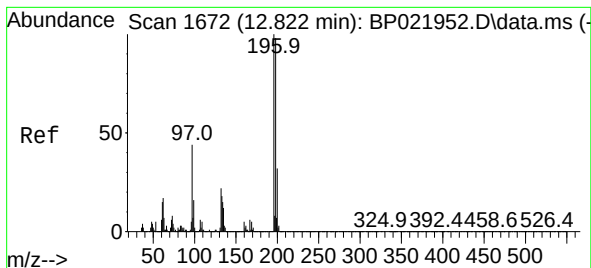
Ion Ratio Lower Upper

196 100

198 94.5 77.6 116.4

200 28.9 25.8 38.6





#44

2,4,5-Trichlorophenol

Concen: 2.867 ng

RT: 12.828 min Scan# 1672

Delta R.T. 0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:196 Resp: 17941

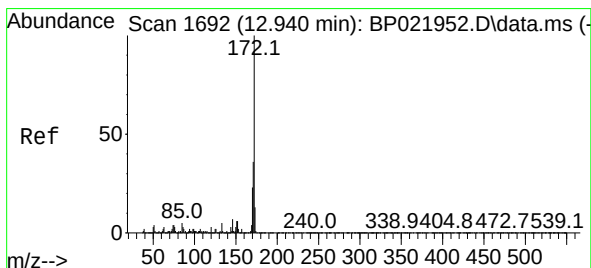
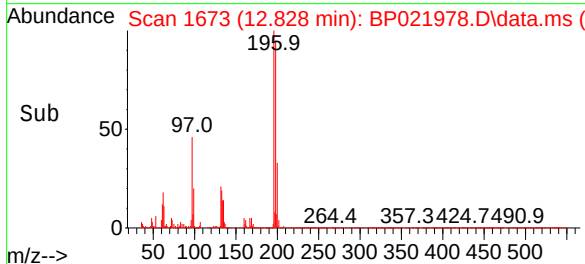
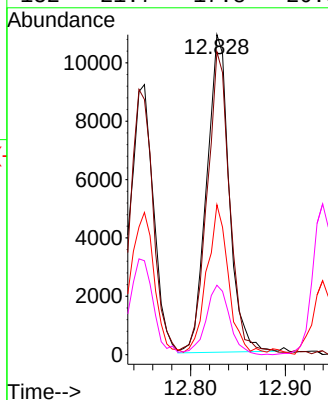
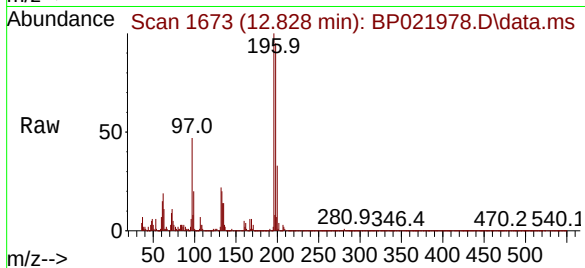
Ion Ratio Lower Upper

196 100

198 94.6 78.2 117.4

97 46.9 35.0 52.4

132 21.7 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 72.179 ng

RT: 12.939 min Scan# 1692

Delta R.T. -0.000 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

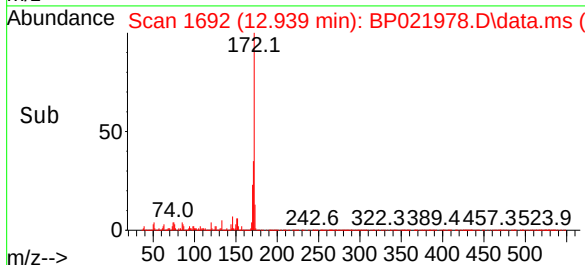
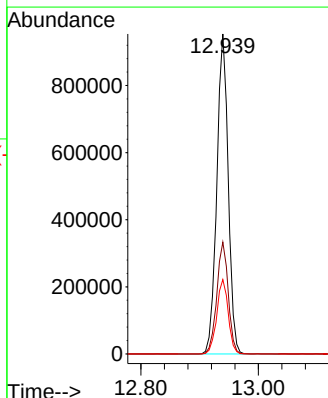
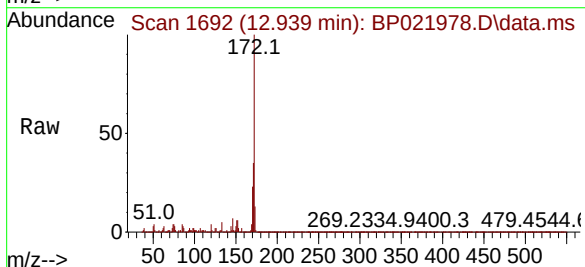
Tgt Ion:172 Resp: 1284547

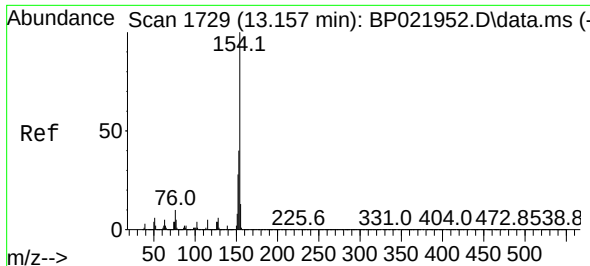
Ion Ratio Lower Upper

172 100

171 34.9 28.6 43.0

170 23.3 18.8 28.2

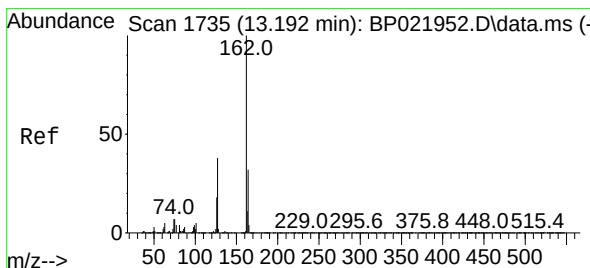
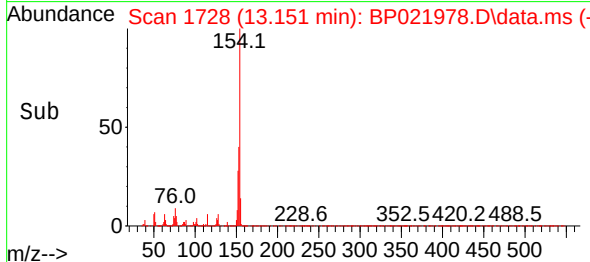
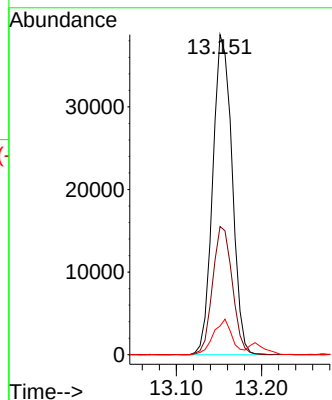
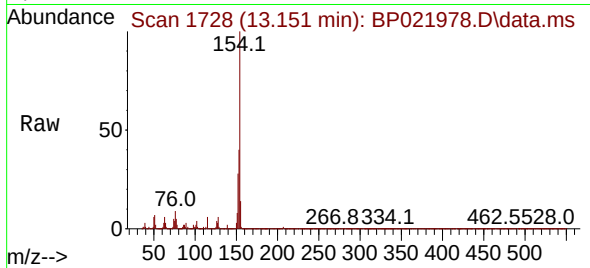




#46
1,1'-Biphenyl
Concen: 3.442 ng
RT: 13.151 min Scan# 1729
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

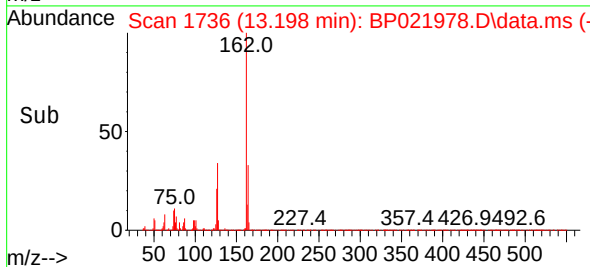
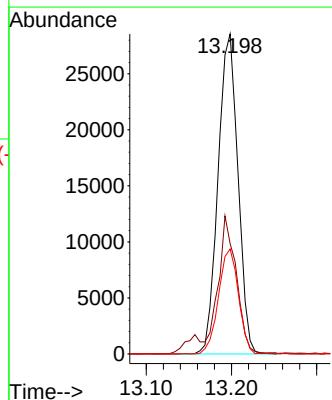
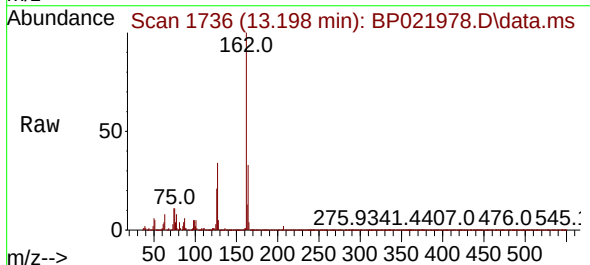
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

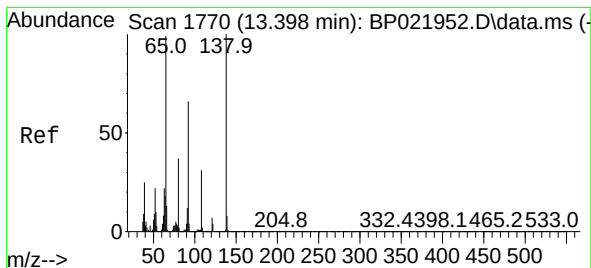
Tgt Ion:154 Resp: 60975
Ion Ratio Lower Upper
154 100
153 40.1 20.2 60.2
76 8.9 0.0 29.9



#47
2-Chloronaphthalene
Concen: 3.234 ng
RT: 13.198 min Scan# 1736
Delta R.T. 0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:162 Resp: 46318
Ion Ratio Lower Upper
162 100
127 34.5 31.7 47.5
164 32.8 25.9 38.9





#48

2-Nitroaniline

Concen: 2.738 ng

RT: 13.398 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

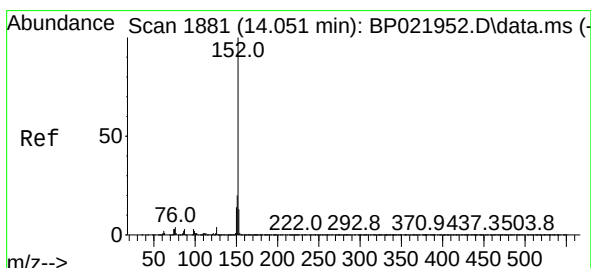
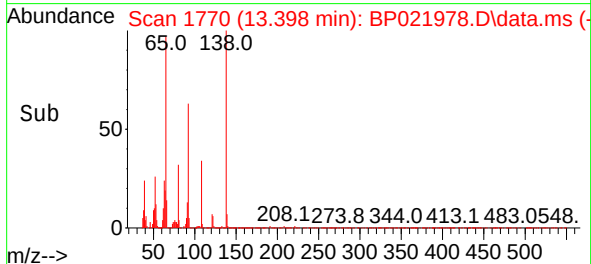
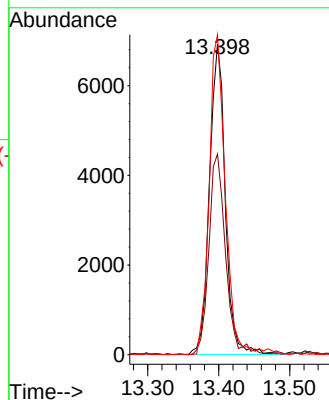
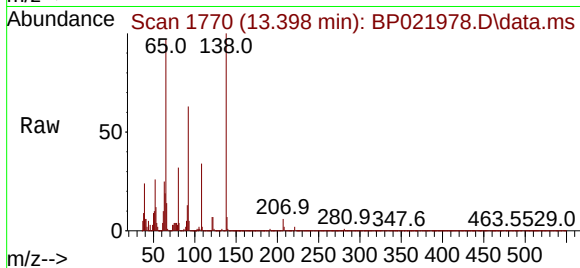
Tgt Ion: 65 Resp: 10709

Ion Ratio Lower Upper

65 100

92 64.6 53.2 79.8

138 103.0 81.1 121.7



#49

Acenaphthylene

Concen: 3.460 ng

RT: 14.051 min Scan# 1881

Delta R.T. -0.000 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

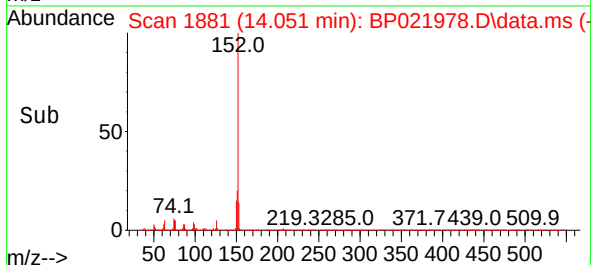
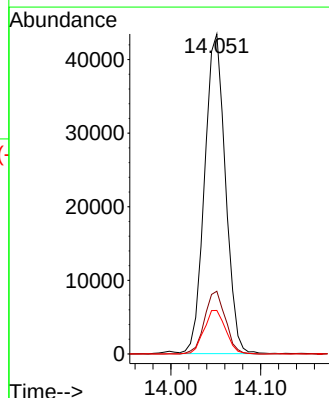
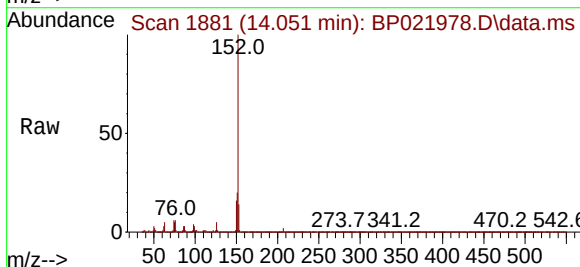
Tgt Ion: 152 Resp: 69935

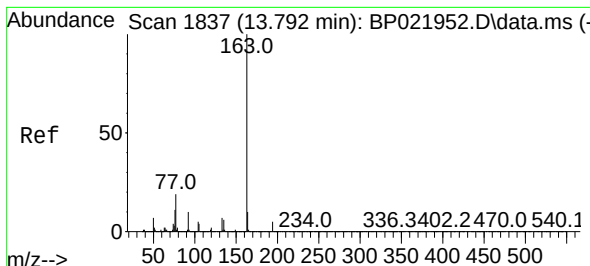
Ion Ratio Lower Upper

152 100

151 19.6 16.0 24.0

153 13.6 10.8 16.2





#50

Dimethylphthalate

Concen: 3.276 ng

RT: 13.775 min Scan# 1834

Delta R.T. -0.018 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

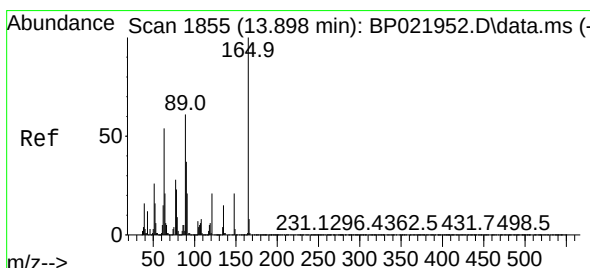
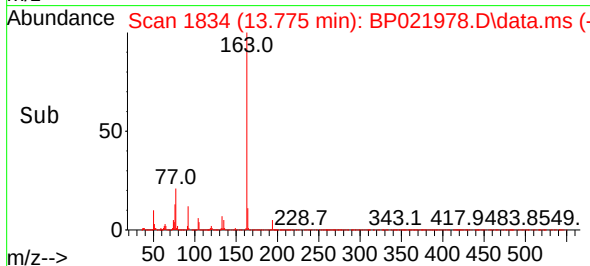
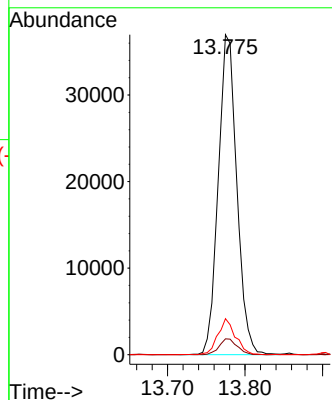
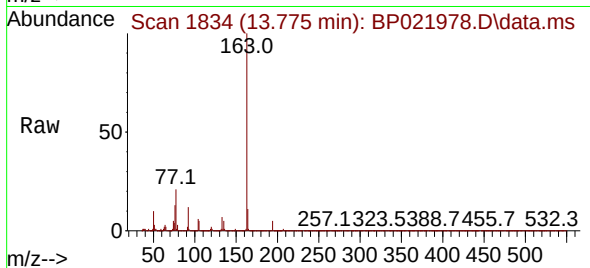
Tgt Ion:163 Resp: 61732

Ion Ratio Lower Upper

163 100

194 4.9 3.6 5.4

164 11.3 8.0 12.0



#51

2,6-Dinitrotoluene

Concen: 2.711 ng

RT: 13.904 min Scan# 1856

Delta R.T. 0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

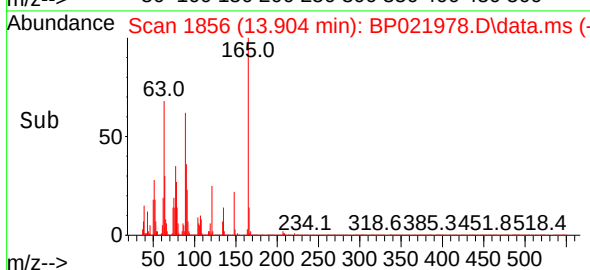
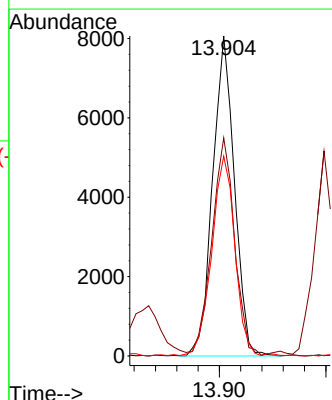
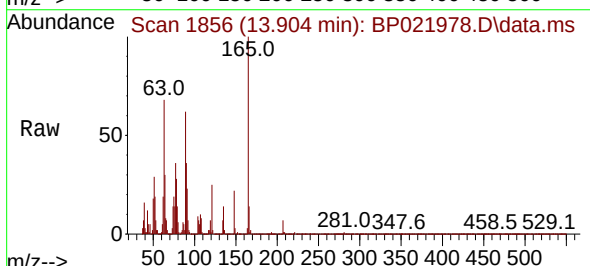
Tgt Ion:165 Resp: 11383

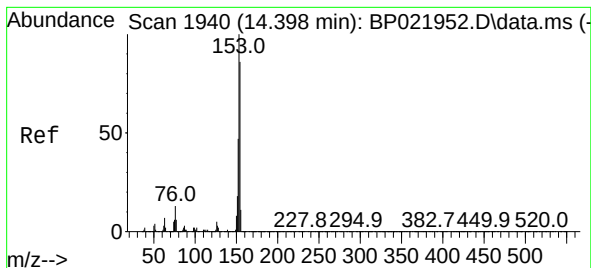
Ion Ratio Lower Upper

165 100

63 68.1 46.4 69.6

89 62.4 48.5 72.7





#52

Acenaphthene

Concen: 3.309 ng

RT: 14.398 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

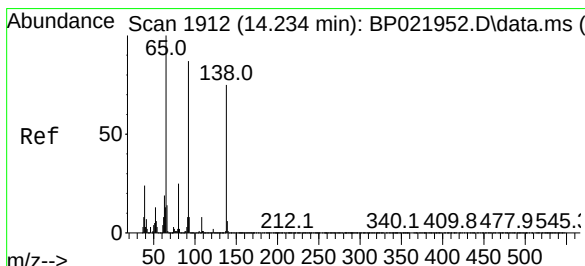
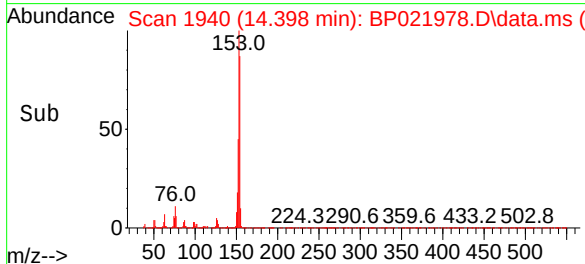
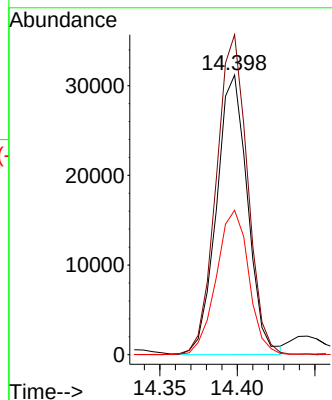
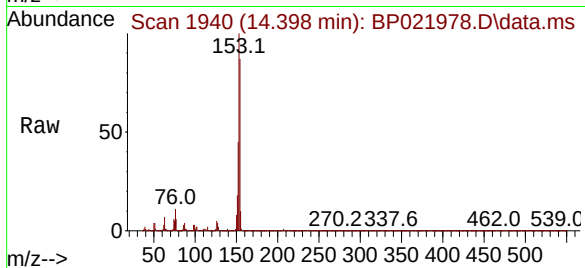
Tgt Ion:154 Resp: 43527

Ion Ratio Lower Upper

154 100

153 114.4 92.7 139.1

152 51.7 43.6 65.4



#53

3-Nitroaniline

Concen: 2.738 ng

RT: 14.239 min Scan# 1913

Delta R.T. 0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

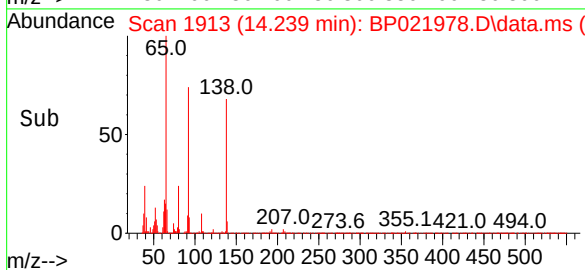
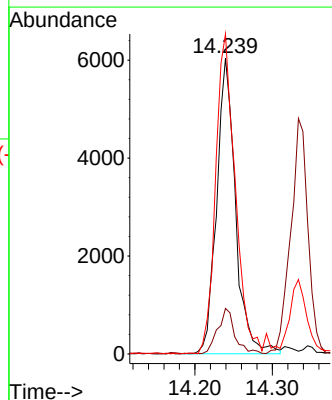
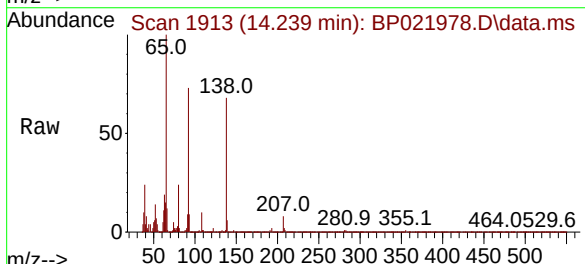
Tgt Ion:138 Resp: 10246

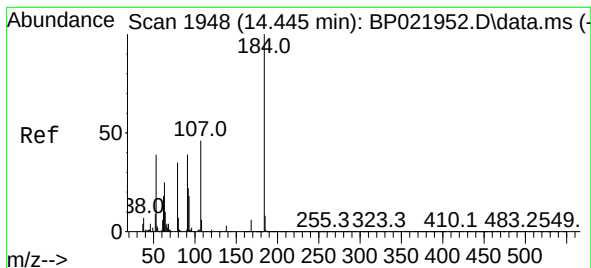
Ion Ratio Lower Upper

138 100

108 15.4 9.0 13.4#

92 108.2 92.8 139.2

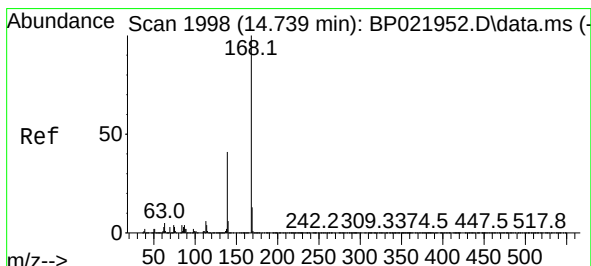
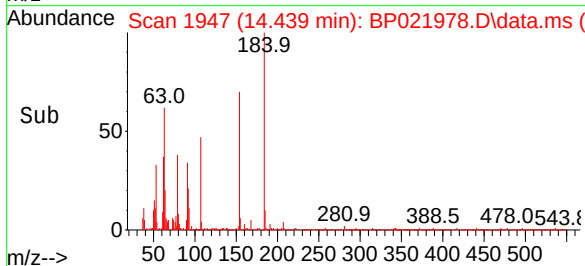
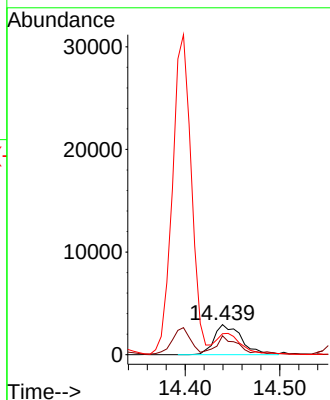
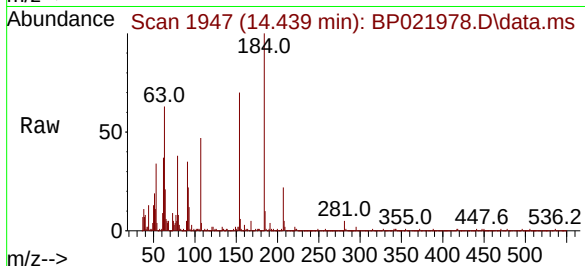




#54
2,4-Dinitrophenol
Concen: 2.372 ng
RT: 14.439 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

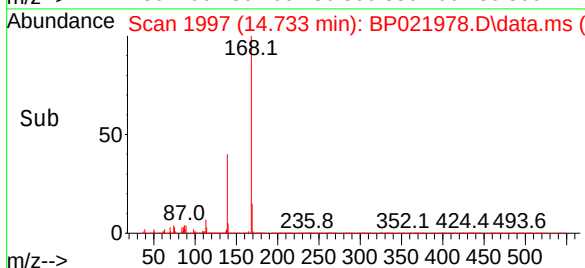
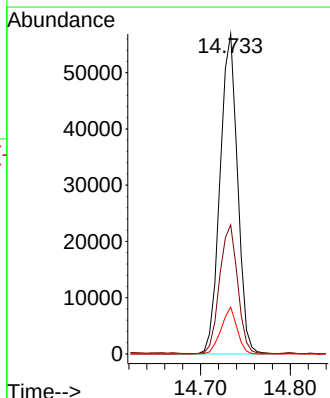
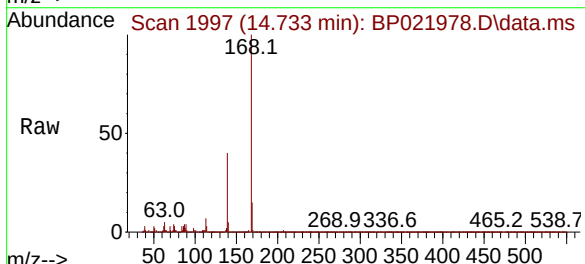
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

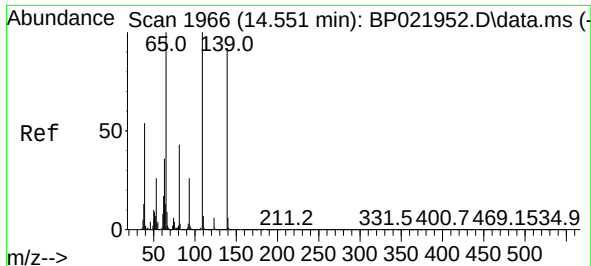
Tgt Ion:184 Resp: 5834
Ion Ratio Lower Upper
184 100
63 63.2 49.0 73.6
154 69.6 58.1 87.1



#55
Dibenzofuran
Concen: 3.487 ng
RT: 14.733 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:168 Resp: 77086
Ion Ratio Lower Upper
168 100
139 40.4 33.0 49.4
169 14.6 10.7 16.1





#56

4-Nitrophenol

Concen: 2.472 ng

RT: 14.569 min Scan# 1966

Delta R.T. 0.018 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

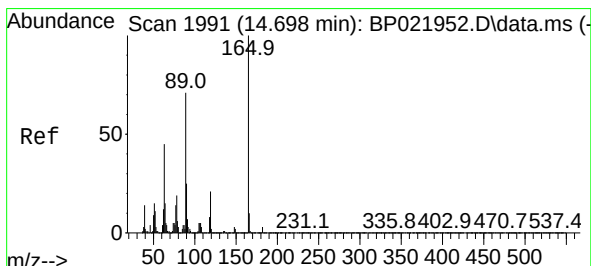
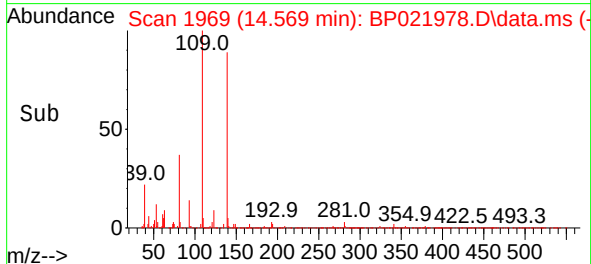
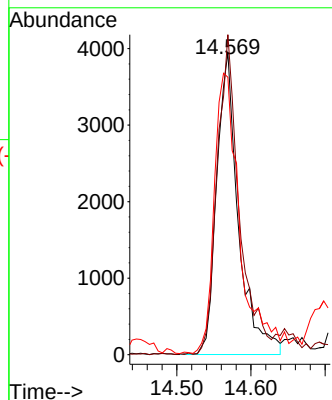
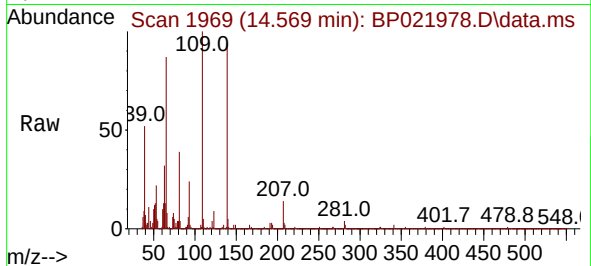
Tgt Ion:139 Resp: 8051

Ion Ratio Lower Upper

139 100

109 105.9 88.6 128.6

65 91.8 88.7 128.7



#57

2,4-Dinitrotoluene

Concen: 2.820 ng

RT: 14.698 min Scan# 1991

Delta R.T. -0.000 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Tgt Ion:165 Resp: 16740

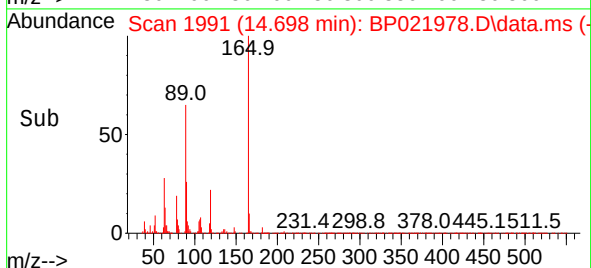
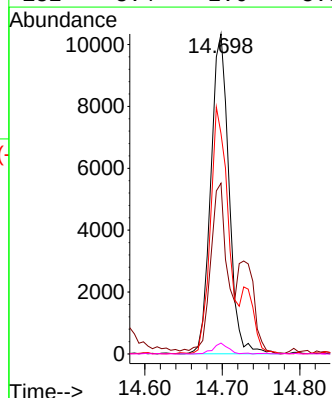
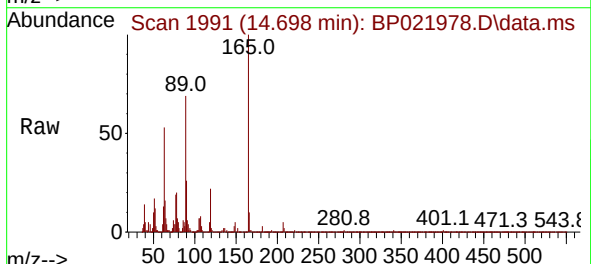
Ion Ratio Lower Upper

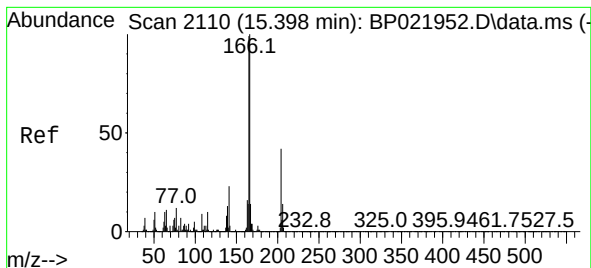
165 100

63 53.4 36.3 54.5

89 68.8 57.2 85.8

182 3.4 2.6 3.8





#58

Fluorene

Concen: 3.299 ng

RT: 15.392 min Scan# 2110

Delta R.T. -0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

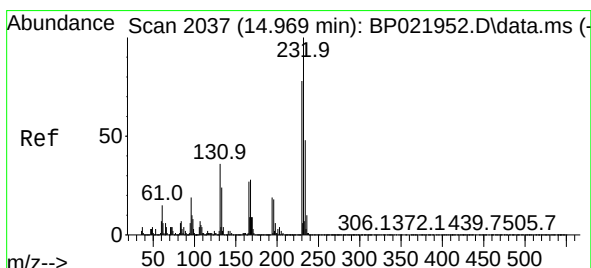
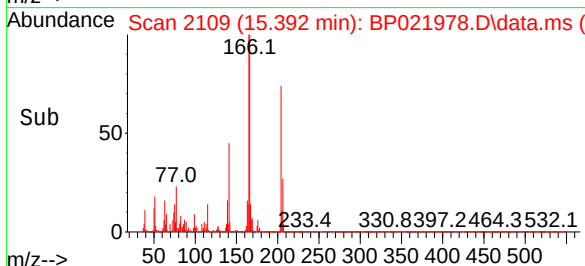
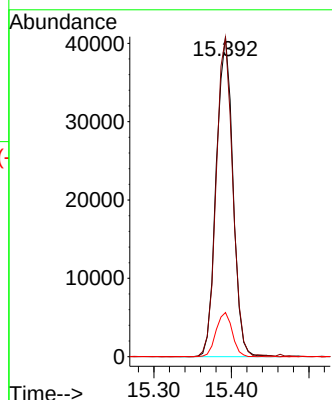
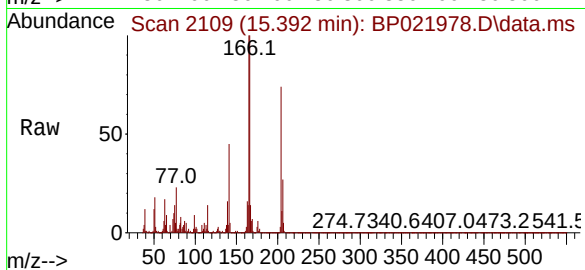
Tgt Ion:166 Resp: 60905

Ion Ratio Lower Upper

166 100

165 99.7 79.4 119.2

167 13.8 10.9 16.3



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.105 ng

RT: 14.969 min Scan# 2037

Delta R.T. -0.000 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Tgt Ion:232 Resp: 18754

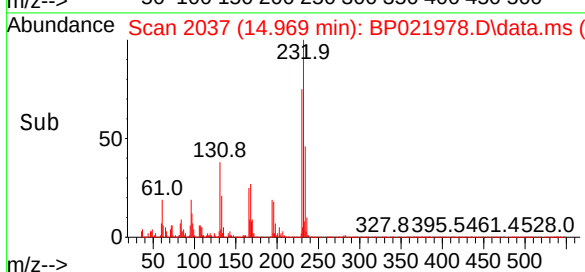
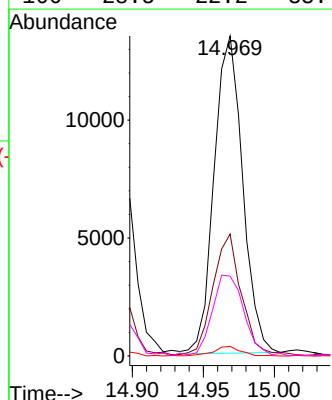
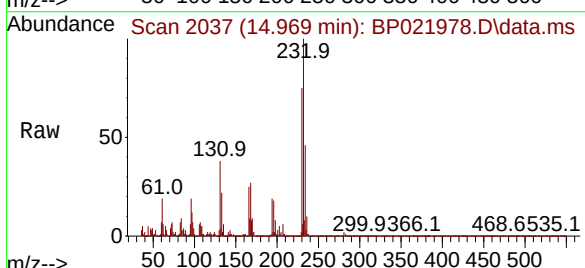
Ion Ratio Lower Upper

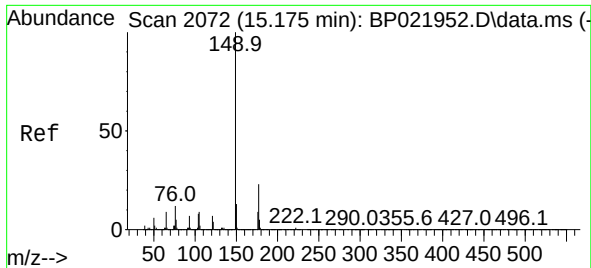
232 100

131 38.4 30.2 45.4

130 2.9 1.9 2.9#

166 28.5 22.2 33.4

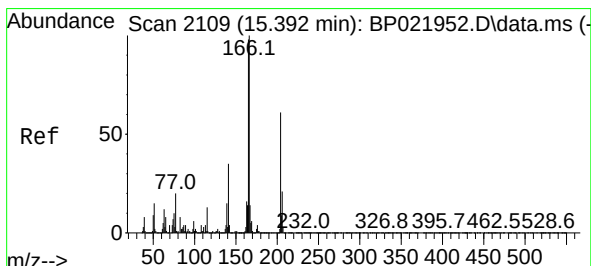
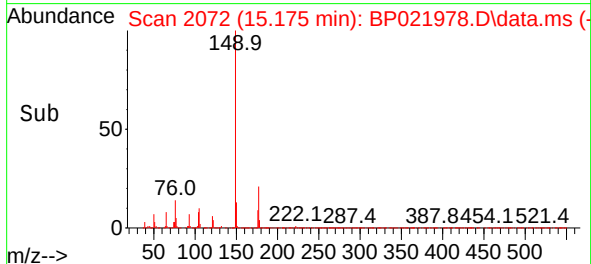
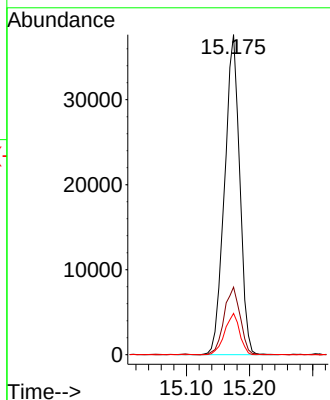
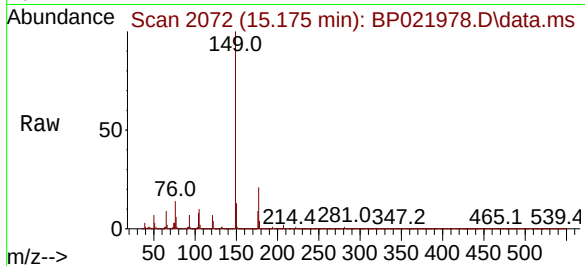




#60
Diethylphthalate
Concen: 3.270 ng
RT: 15.175 min Scan# 2072
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

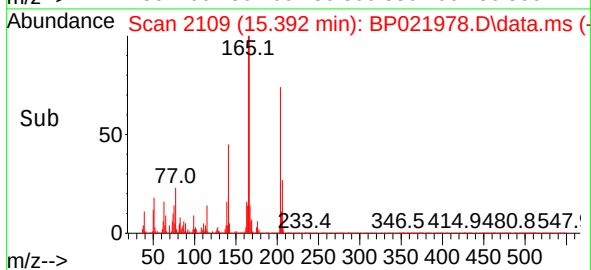
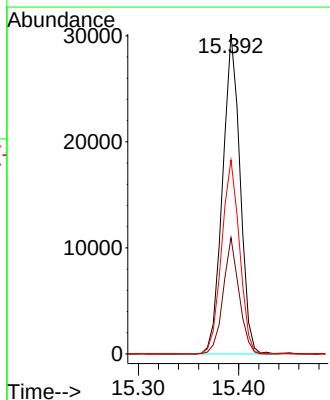
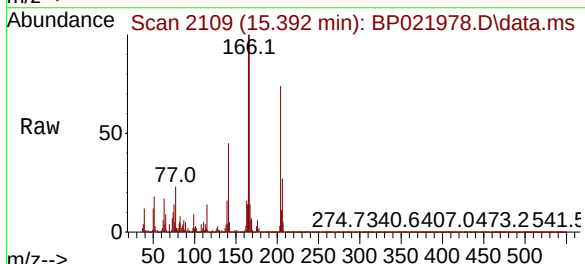
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

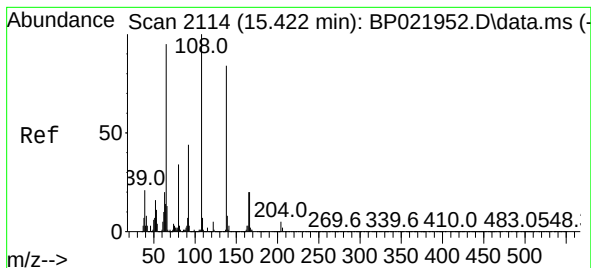
Tgt Ion:	149	Resp:	62606
Ion Ratio	Lower	Upper	
149	100		
177	21.1	18.2	27.4
150	12.9	10.1	15.1



#61
4-Chlorophenyl-phenylether
Concen: 3.392 ng
RT: 15.392 min Scan# 2109
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:	204	Resp:	36460
Ion Ratio	Lower	Upper	
204	100		
206	36.3	27.3	40.9
141	60.6	45.7	68.5

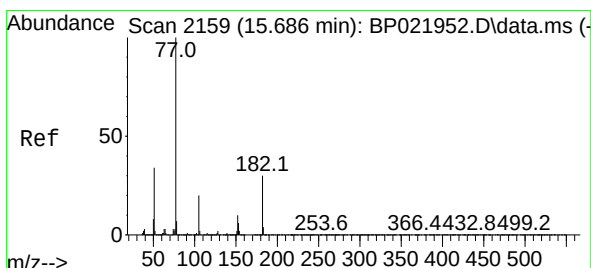
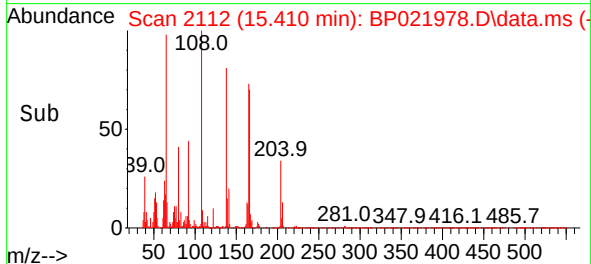
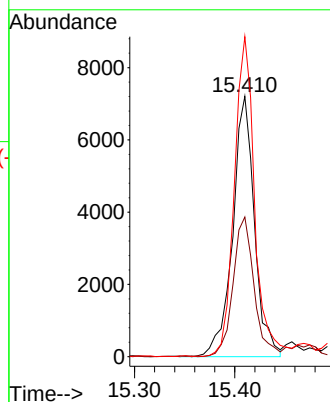
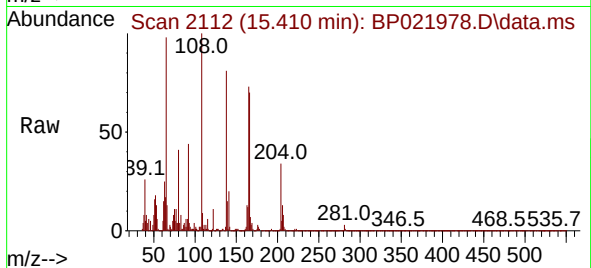




#62
4-Nitroaniline
Concen: 2.653 ng
RT: 15.410 min Scan# 2112
Delta R.T. -0.012 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

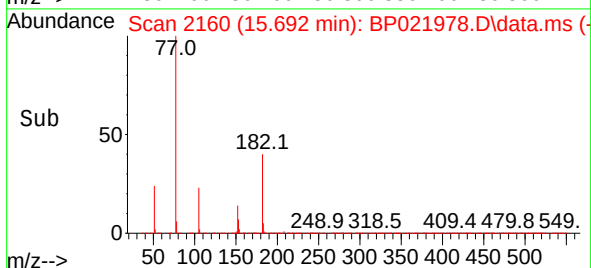
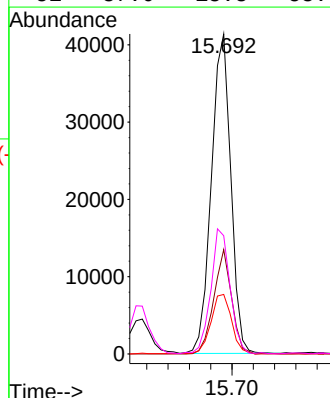
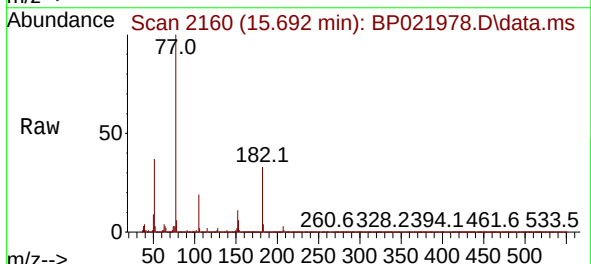
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

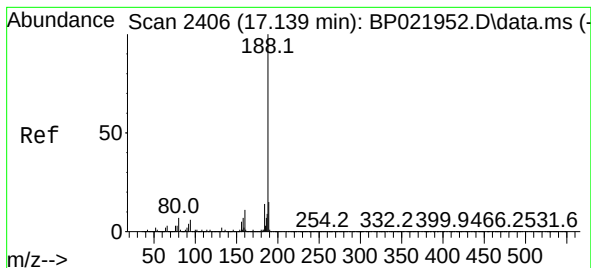
Tgt Ion:	138	Resp:	10916
Ion Ratio	Lower	Upper	
138	100		
92	53.7	32.6	72.6
108	123.0	98.6	138.6



#63
Azobenzene
Concen: 3.305 ng
RT: 15.692 min Scan# 2160
Delta R.T. 0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:	77	Resp:	52374
Ion Ratio	Lower	Upper	
77	100		
182	32.6	9.6	49.6
105	18.6	0.0	39.8
51	37.0	13.8	53.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.122 min Scan# 2406

Delta R.T. -0.018 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

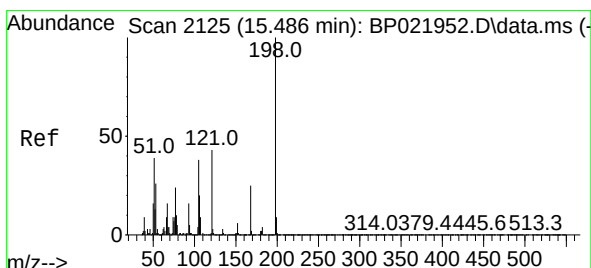
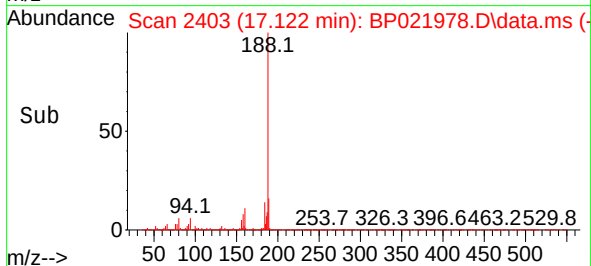
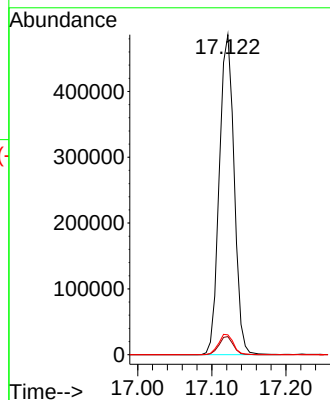
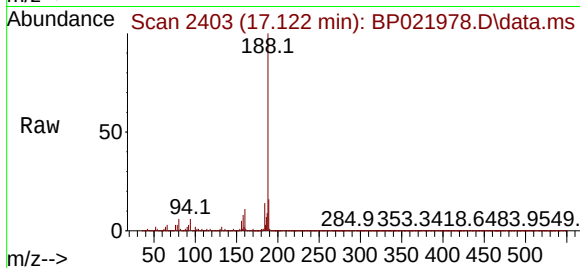
Tgt Ion:188 Resp: 676864

Ion Ratio Lower Upper

188 100

94 5.7 4.6 6.8

80 6.2 5.4 8.2



#65

4,6-Dinitro-2-methylphenol

Concen: 2.506 ng

RT: 15.469 min Scan# 2122

Delta R.T. -0.018 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

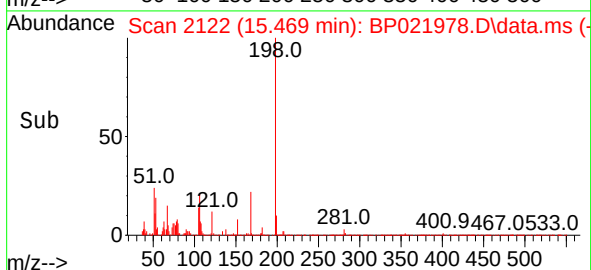
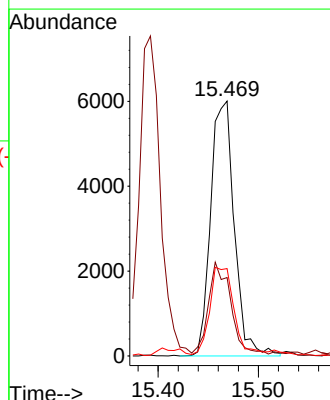
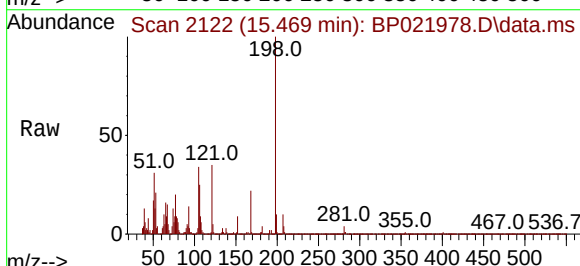
Tgt Ion:198 Resp: 9833

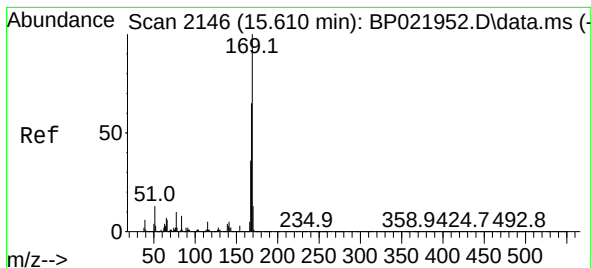
Ion Ratio Lower Upper

198 100

51 30.8 20.7 60.7

105 34.3 18.4 58.4





#66

n-Nitrosodiphenylamine

Concen: 3.099 ng

RT: 15.616 min Scan# 2146

Delta R.T. 0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

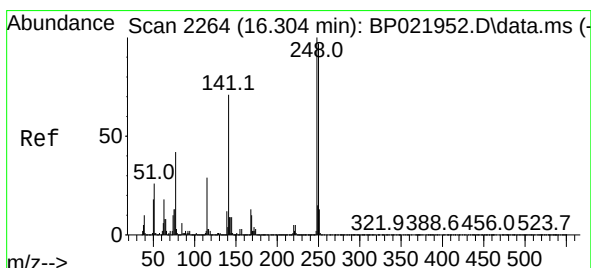
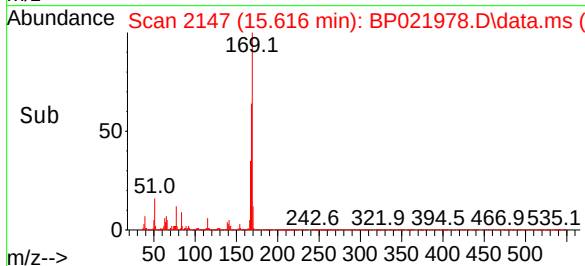
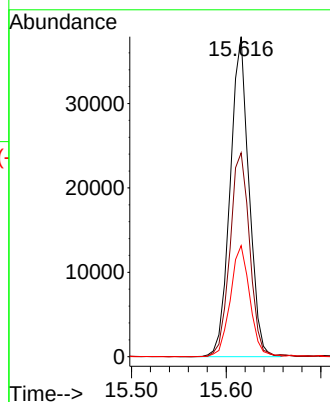
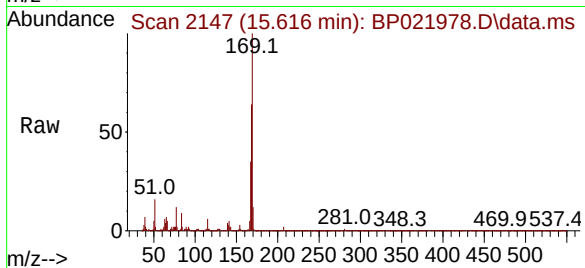
Tgt Ion:169 Resp: 52236

Ion Ratio Lower Upper

169 100

168 63.7 52.2 78.4

167 34.7 28.6 42.8



#67

4-Bromophenyl-phenylether

Concen: 3.208 ng

RT: 16.304 min Scan# 2264

Delta R.T. -0.000 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

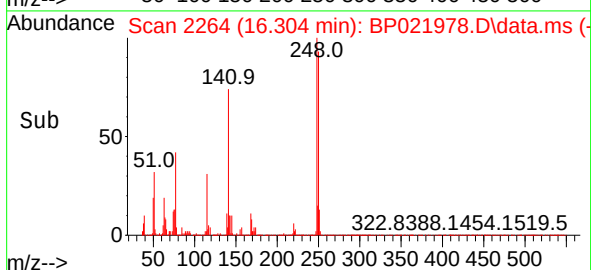
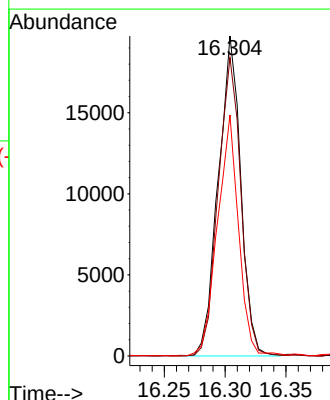
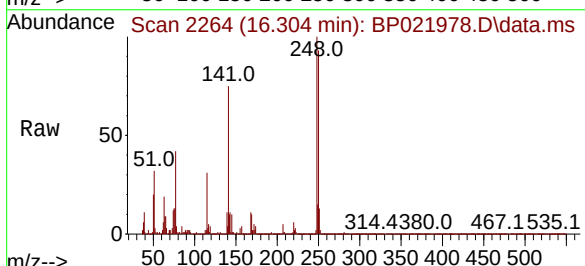
Tgt Ion:248 Resp: 25312

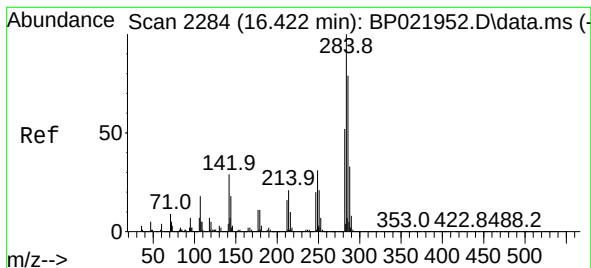
Ion Ratio Lower Upper

248 100

250 93.2 77.5 116.3

141 75.3 56.5 84.7





#68

Hexachlorobenzene

Concen: 3.337 ng

RT: 16.416 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

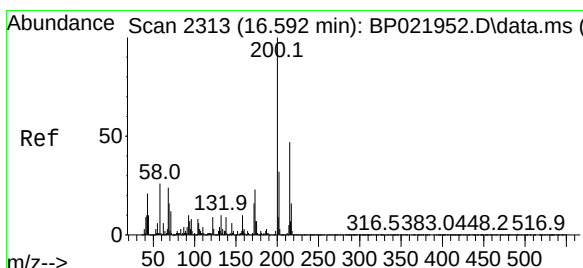
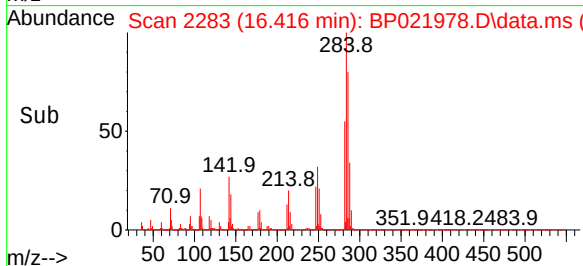
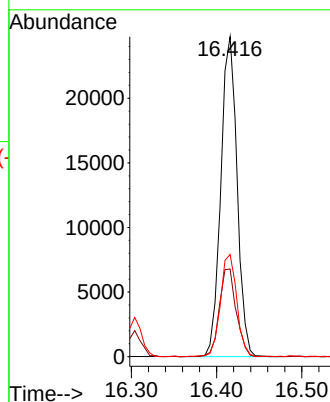
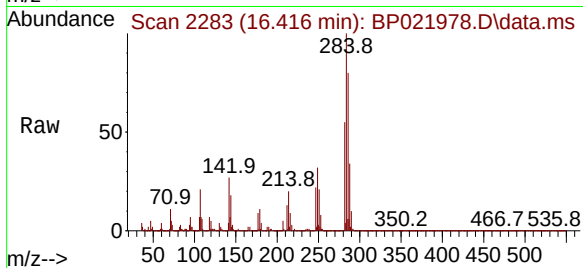
Tgt Ion:284 Resp: 32829

Ion Ratio Lower Upper

284 100

142 27.4 22.9 34.3

249 32.0 25.2 37.8



#69

Atrazine

Concen: 3.838 ng

RT: 16.586 min Scan# 2312

Delta R.T. -0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

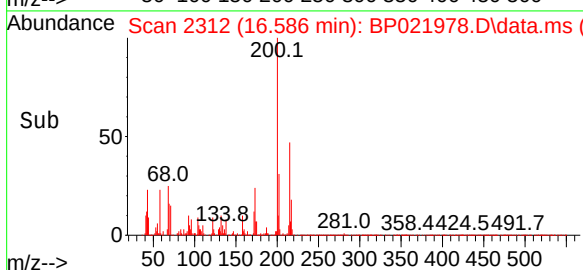
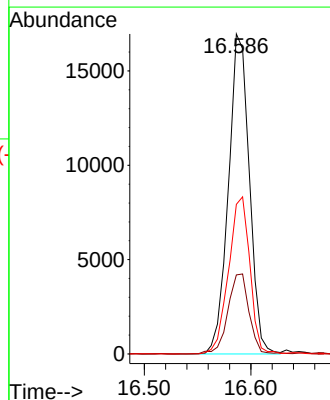
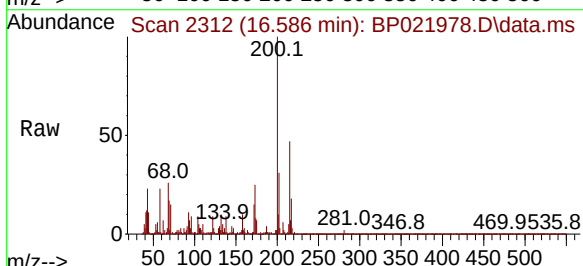
Tgt Ion:200 Resp: 23176

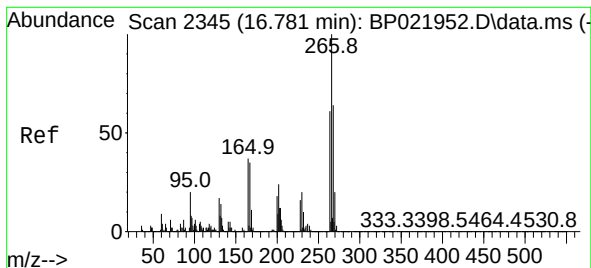
Ion Ratio Lower Upper

200 100

173 24.7 3.0 43.0

215 46.8 27.4 67.4





#70

Pentachlorophenol

Concen: 2.615 ng

RT: 16.769 min Scan# 2410

Delta R.T. -0.012 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

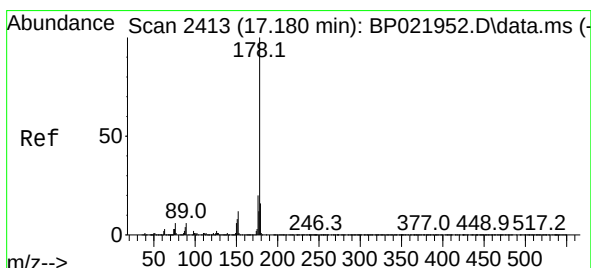
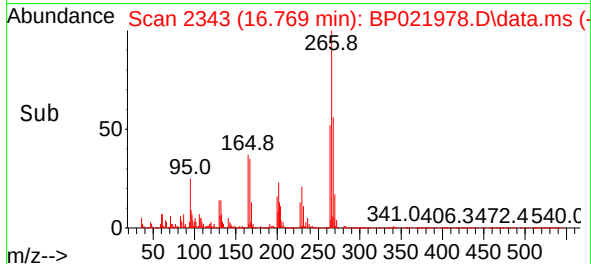
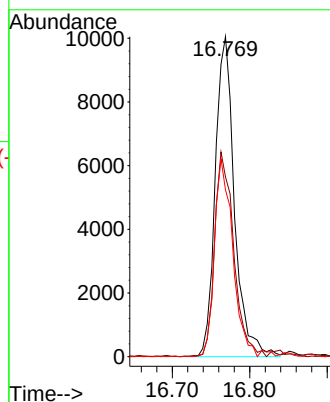
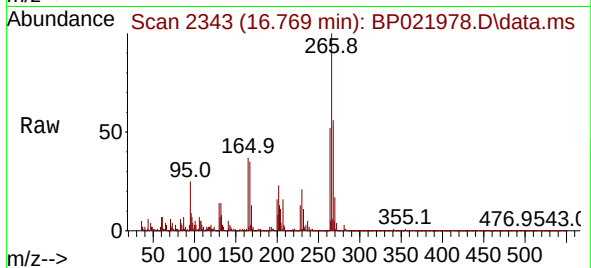
Tgt Ion:266 Resp: 17306

Ion Ratio Lower Upper

266 100

268 56.2 51.1 76.7

264 52.2 48.6 72.8



#71

Phenanthrene

Concen: 3.295 ng

RT: 17.163 min Scan# 2410

Delta R.T. -0.018 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

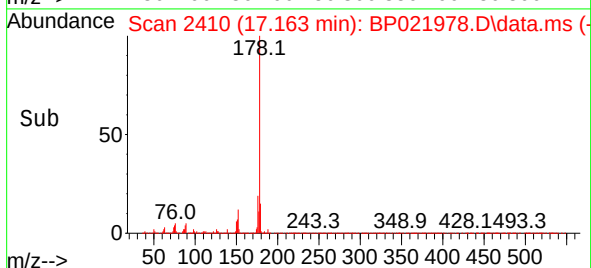
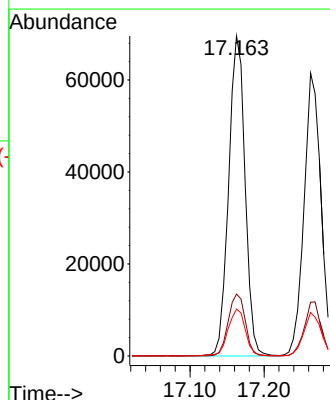
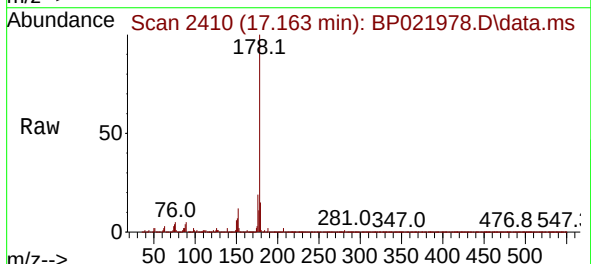
Tgt Ion:178 Resp: 107054

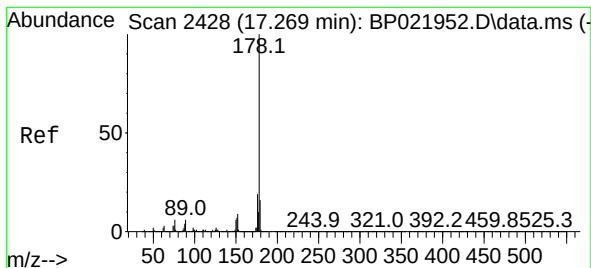
Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

179 14.7 12.5 18.7





#72

Anthracene

Concen: 3.131 ng

RT: 17.263 min Scan# 2428

Delta R.T. -0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

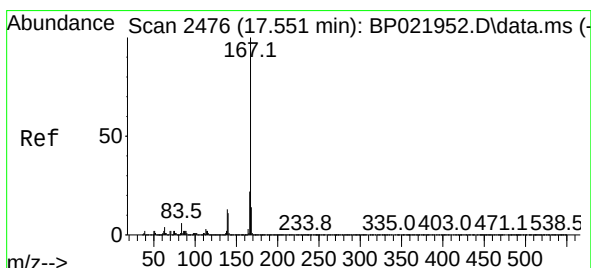
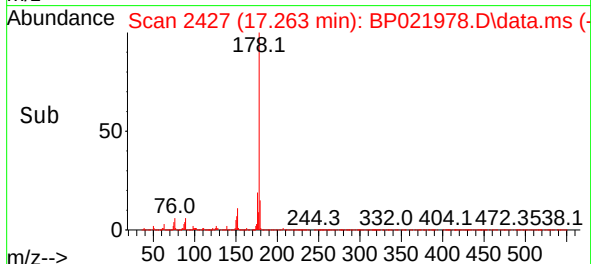
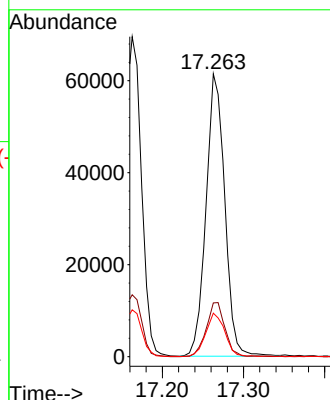
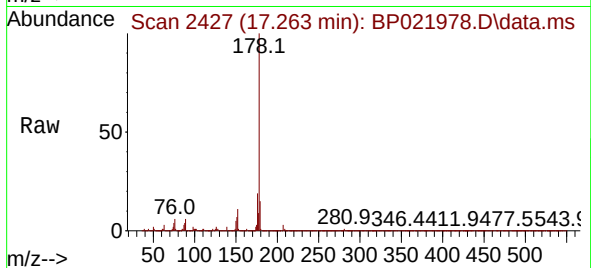
Tgt Ion:178 Resp: 98491

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.6

179 15.4 12.6 18.8



#73

Carbazole

Concen: 3.186 ng

RT: 17.533 min Scan# 2473

Delta R.T. -0.018 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

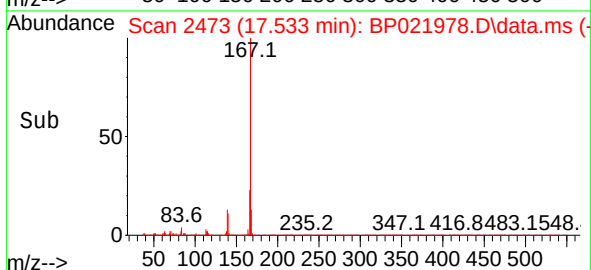
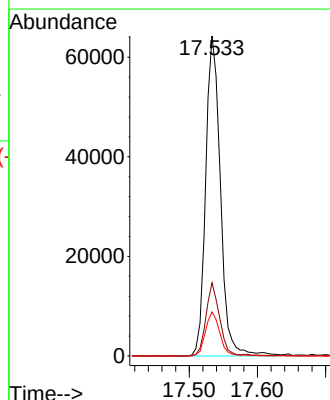
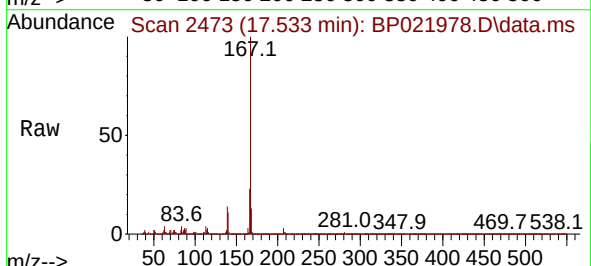
Tgt Ion:167 Resp: 96781

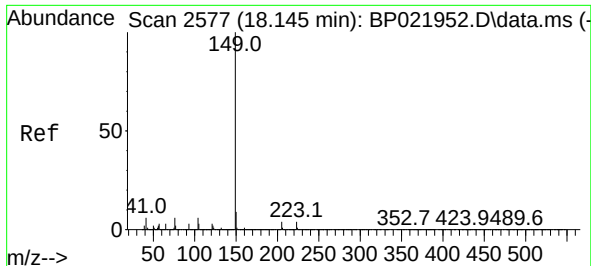
Ion Ratio Lower Upper

167 100

166 22.9 17.4 26.0

139 13.7 10.5 15.7

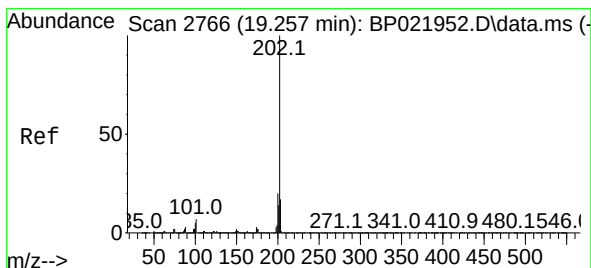
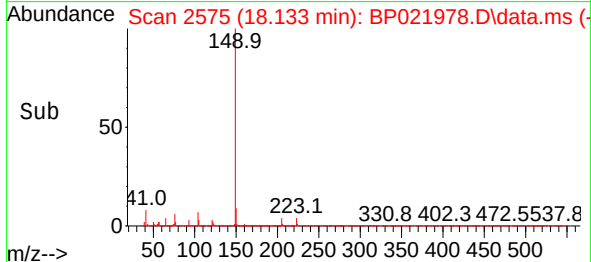
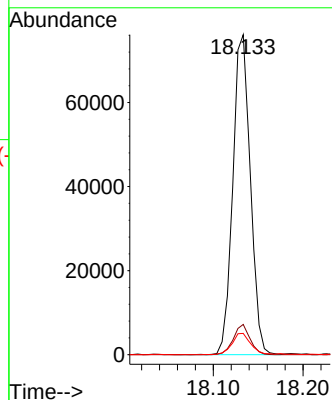
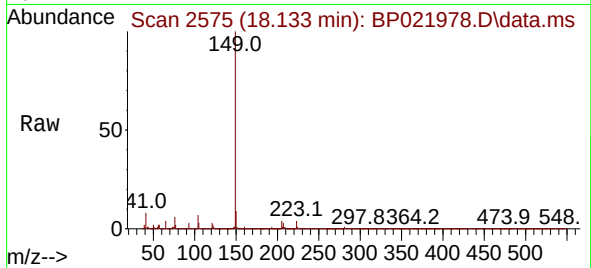




#74
Di-n-butylphthalate
Concen: 2.889 ng
RT: 18.133 min Scan# 2575
Delta R.T. -0.012 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

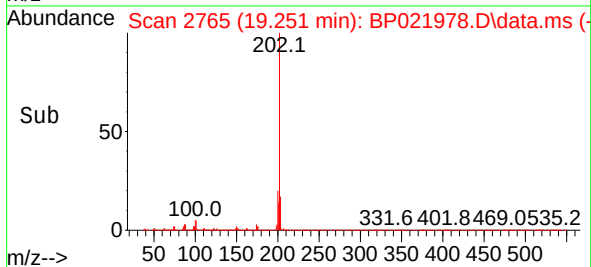
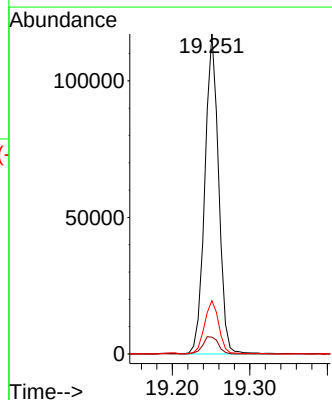
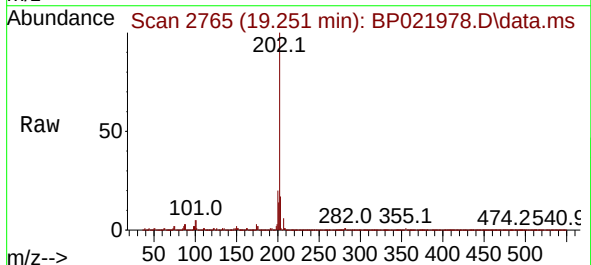
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

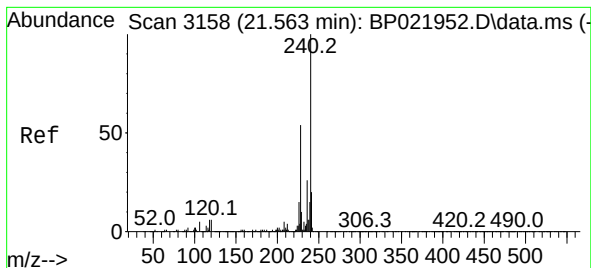
Tgt Ion:149 Resp: 103080
Ion Ratio Lower Upper
149 100
150 9.4 7.3 10.9
104 6.7 4.6 6.8



#75
Fluoranthene
Concen: 3.191 ng
RT: 19.251 min Scan# 2765
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:202 Resp: 144711
Ion Ratio Lower Upper
202 100
101 5.9 0.0 26.5
203 16.6 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.551 min Scan# 3156

Delta R.T. -0.012 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

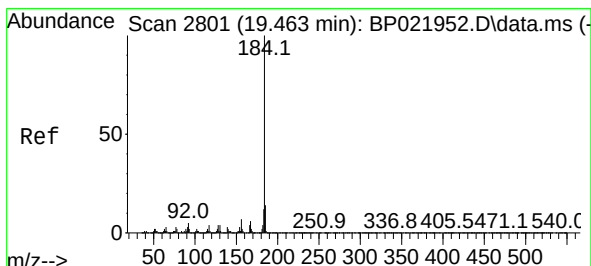
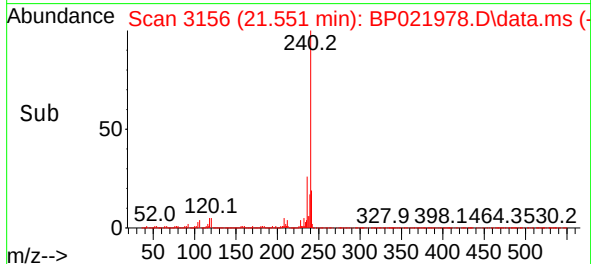
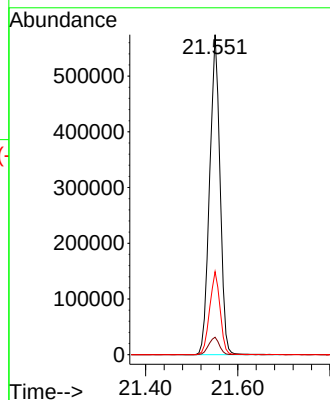
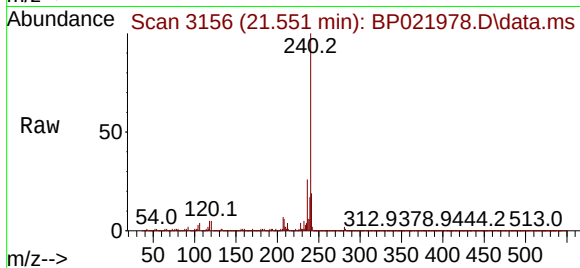
Tgt Ion:240 Resp: 900175

Ion Ratio Lower Upper

240 100

120 5.4 5.1 7.7

236 26.0 20.7 31.1



#77

Benzidine

Concen: 4.155 ng

RT: 19.451 min Scan# 2799

Delta R.T. -0.012 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

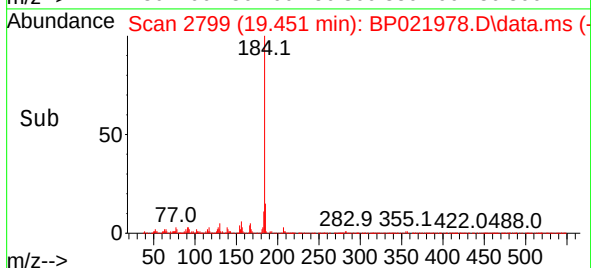
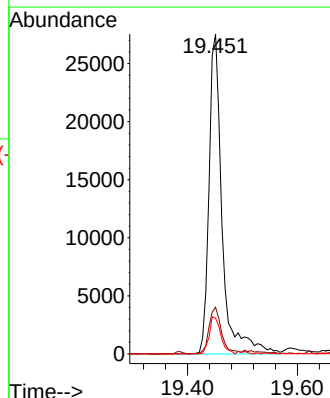
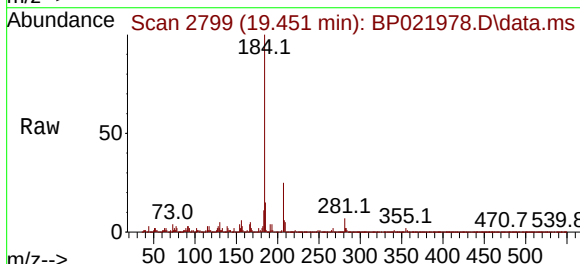
Tgt Ion:184 Resp: 45708

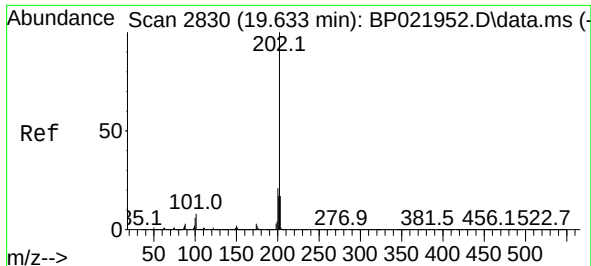
Ion Ratio Lower Upper

184 100

185 14.6 10.9 16.3

183 11.2 9.2 13.8

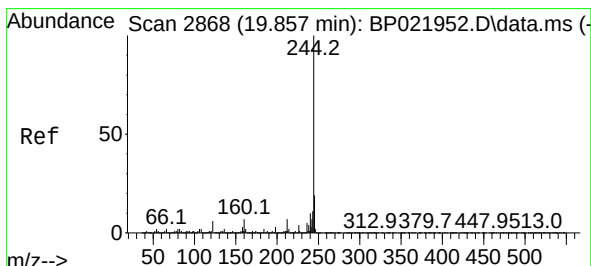
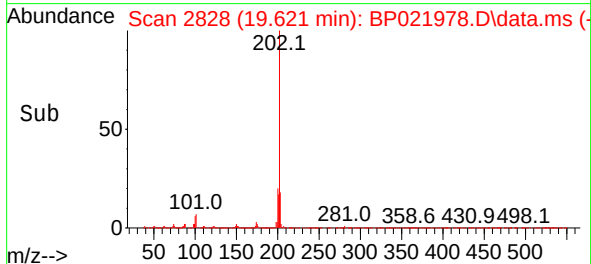
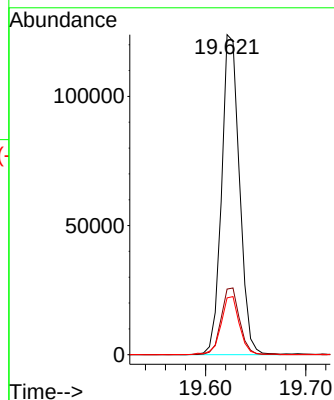
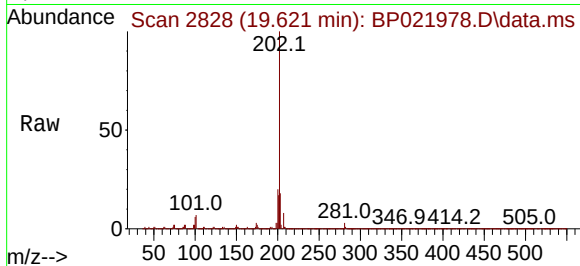




#78
Pyrene
Concen: 2.815 ng
RT: 19.621 min Scan# 2828
Delta R.T. -0.012 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

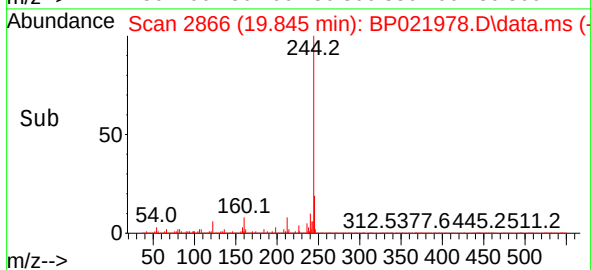
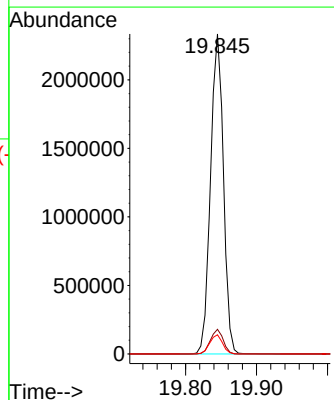
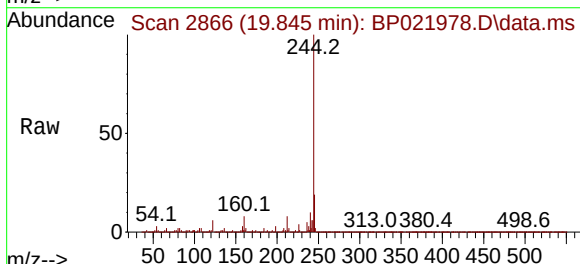
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

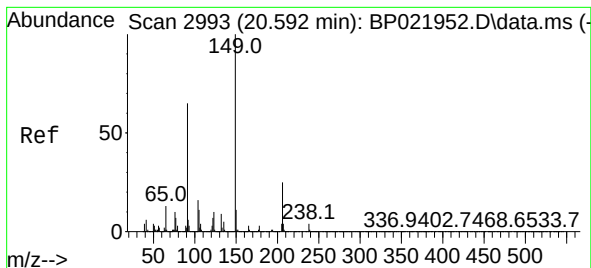
Tgt Ion:202 Resp: 153307
Ion Ratio Lower Upper
202 100
200 20.5 16.8 25.2
203 17.8 13.8 20.8



#79
Terphenyl-d14
Concen: 61.503 ng
RT: 19.845 min Scan# 2866
Delta R.T. -0.012 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:244 Resp: 2947256
Ion Ratio Lower Upper
244 100
212 7.7 6.0 9.0
122 6.0 5.0 7.4





#80

Butylbenzylphthalate

Concen: 2.570 ng

RT: 20.580 min Scan# 2991

Delta R.T. -0.012 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

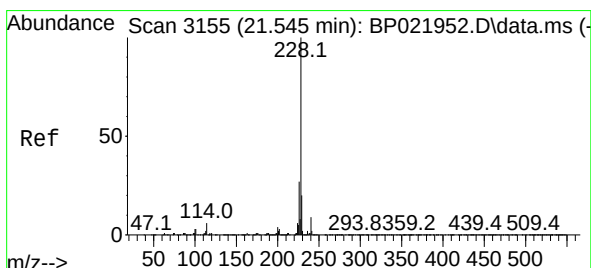
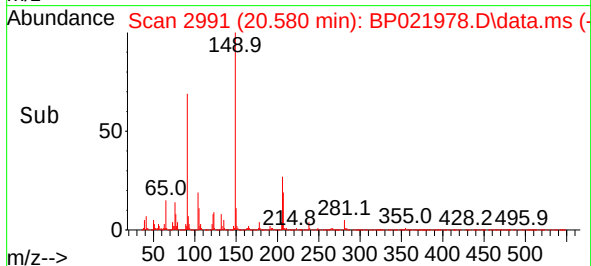
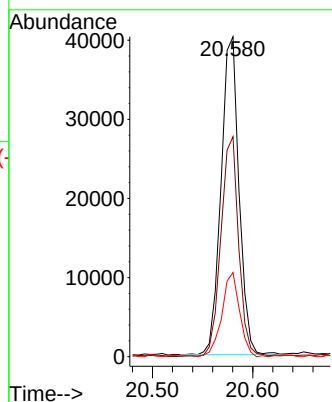
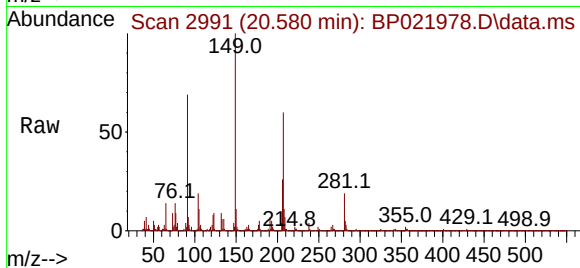
Tgt Ion:149 Resp: 49911

Ion Ratio Lower Upper

149 100

91 68.8 51.9 77.9

206 26.3 20.1 30.1



#81

Benzo(a)anthracene

Concen: 3.243 ng

RT: 21.527 min Scan# 3152

Delta R.T. -0.018 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

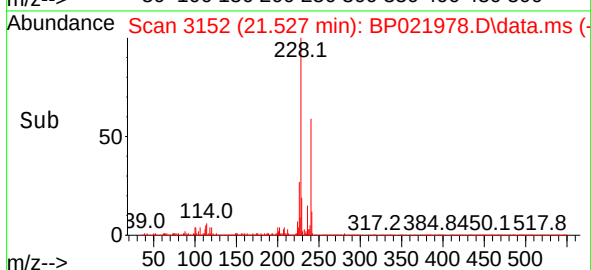
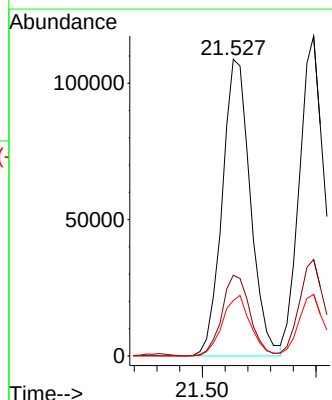
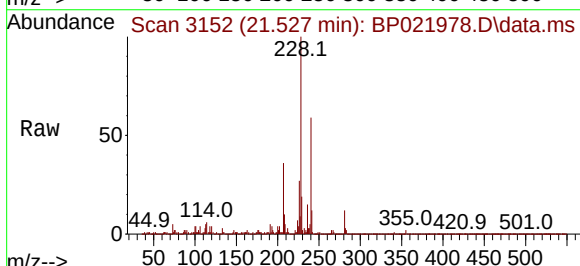
Tgt Ion:228 Resp: 187609

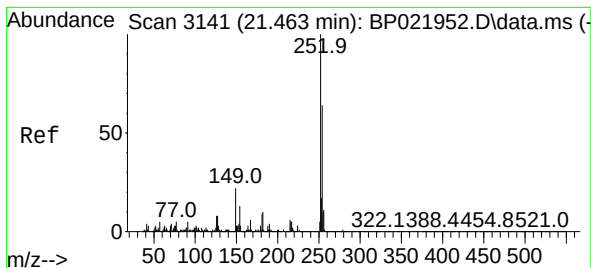
Ion Ratio Lower Upper

228 100

226 27.2 21.5 32.3

229 18.7 15.7 23.5





#82

3,3'-Dichlorobenzidine

Concen: 2.883 ng

RT: 21.457 min Scan# 3140

Delta R.T. -0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

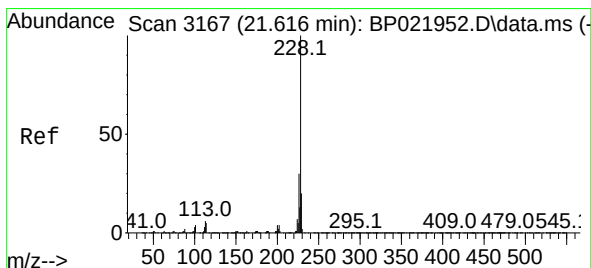
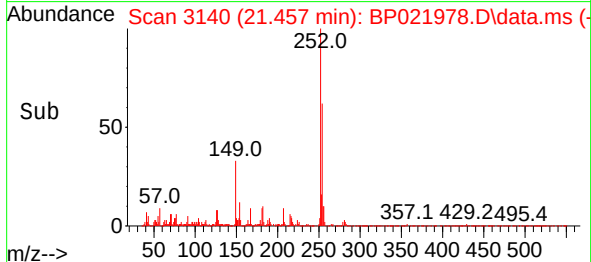
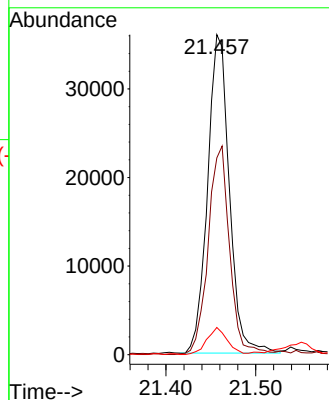
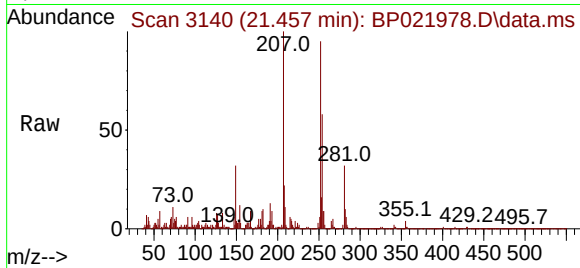
Tgt Ion:252 Resp: 60507

Ion Ratio Lower Upper

252 100

254 61.5 51.4 77.2

126 8.5 6.2 9.4



#83

Chrysene

Concen: 3.294 ng

RT: 21.598 min Scan# 3164

Delta R.T. -0.018 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

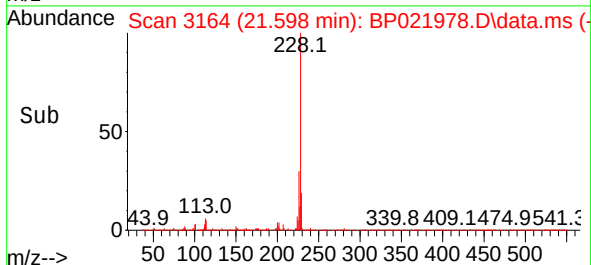
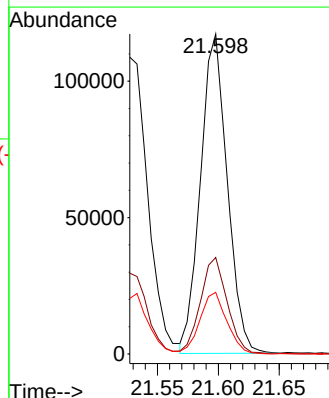
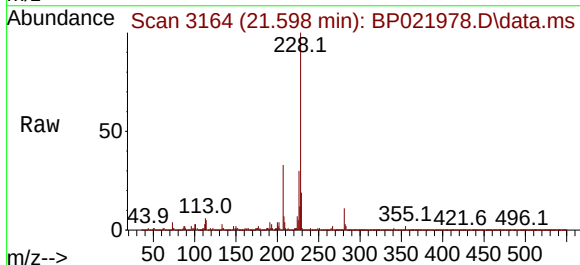
Tgt Ion:228 Resp: 179390

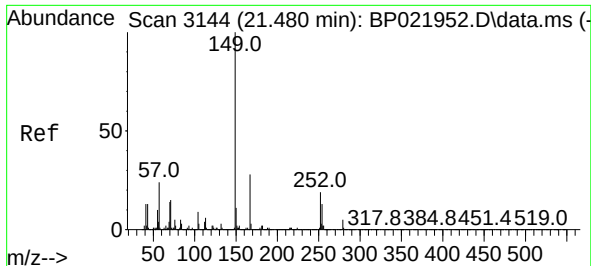
Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.4

229 19.3 15.7 23.5

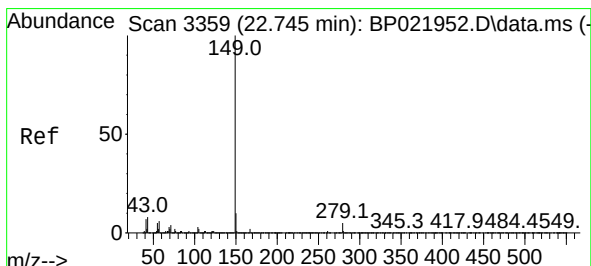
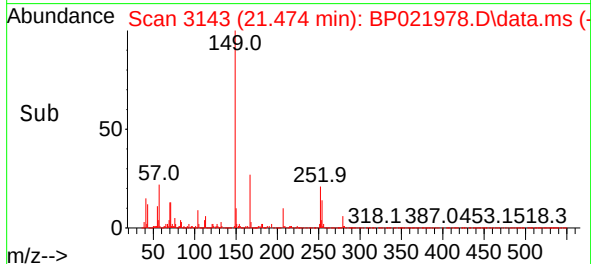
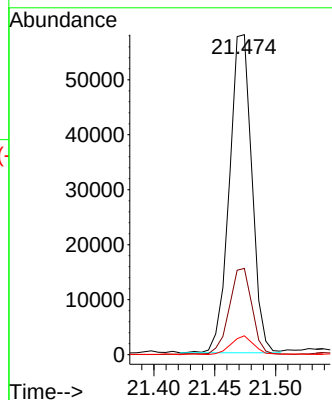
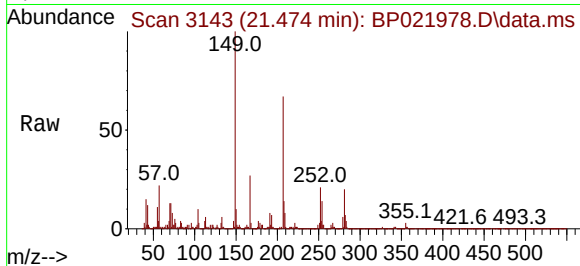




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.603 ng
RT: 21.474 min Scan# 3143
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

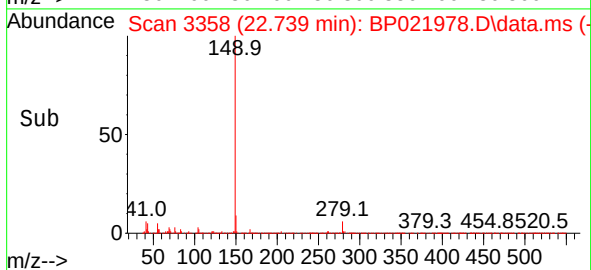
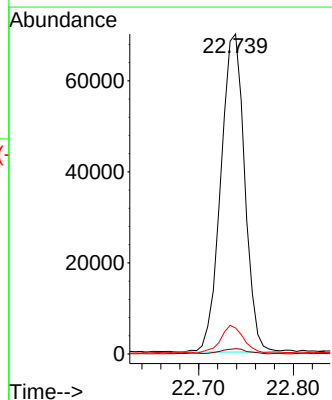
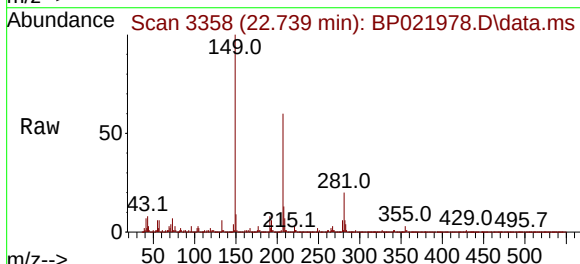
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

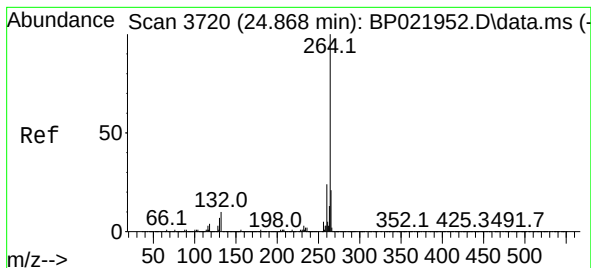
Tgt Ion:149 Resp: 74210
Ion Ratio Lower Upper
149 100
167 27.0 22.3 33.5
279 5.9 4.2 6.2



#85
Di-n-octyl phthalate
Concen: 2.529 ng
RT: 22.739 min Scan# 3358
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:149 Resp: 122452
Ion Ratio Lower Upper
149 100
167 1.8 1.4 2.0
43 8.4 6.2 9.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.845 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

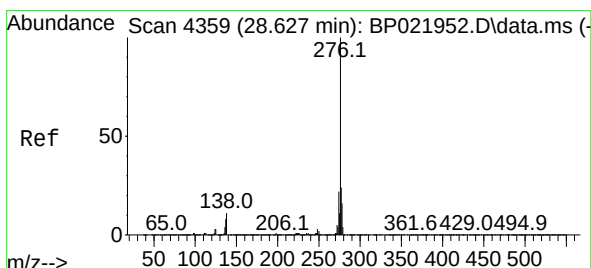
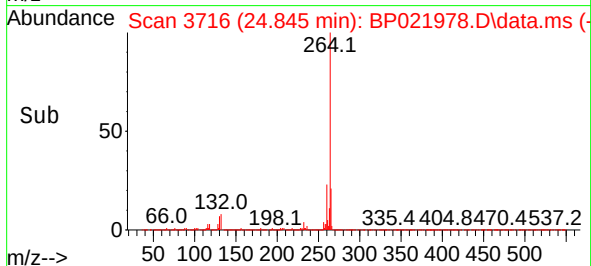
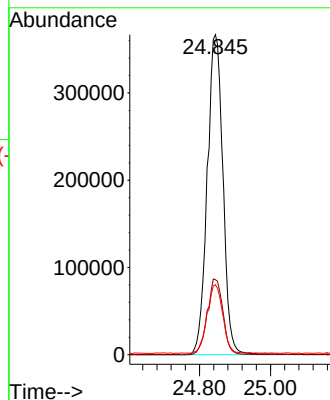
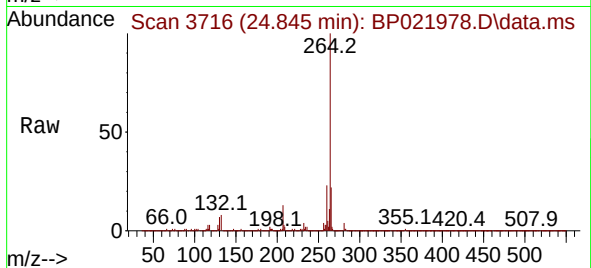
Tgt Ion:264 Resp: 1128695

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 21.9 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.162 ng

RT: 28.574 min Scan# 4350

Delta R.T. -0.053 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

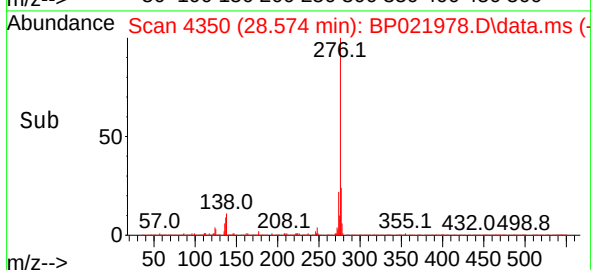
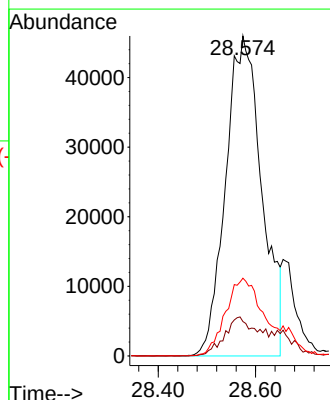
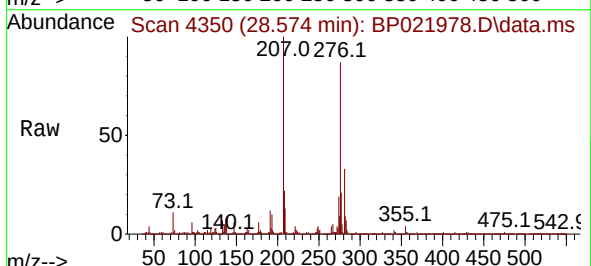
Tgt Ion:276 Resp: 237404

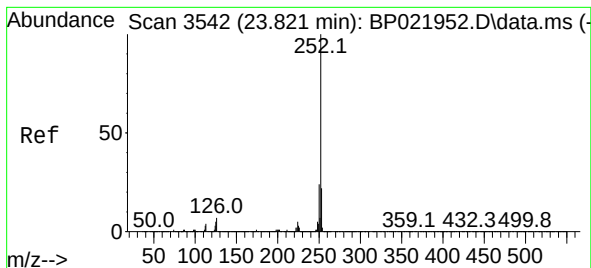
Ion Ratio Lower Upper

276 100

138 11.4 7.8 11.8

277 25.1 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 3.029 ng

RT: 23.798 min Scan# 3538

Delta R.T. -0.024 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

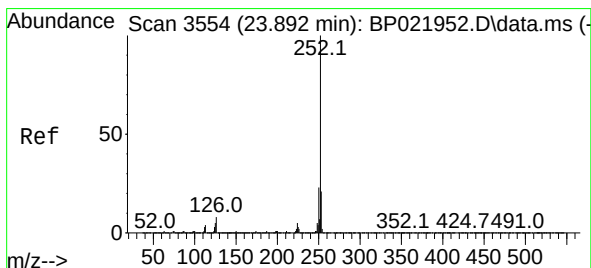
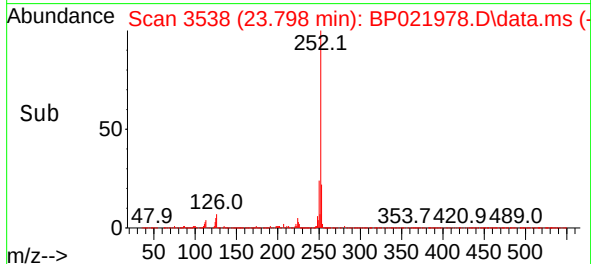
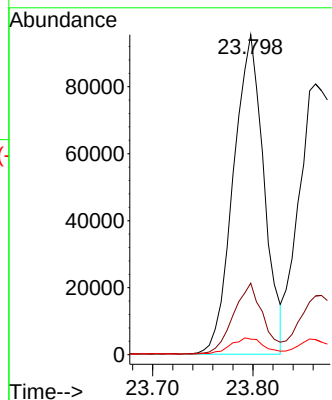
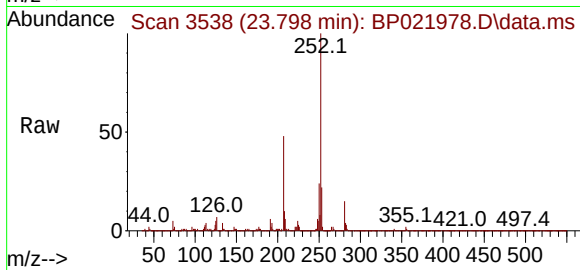
Tgt Ion:252 Resp: 202207

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 4.8 4.2 6.2



#89

Benzo(k)fluoranthene

Concen: 3.242 ng

RT: 23.862 min Scan# 3549

Delta R.T. -0.029 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

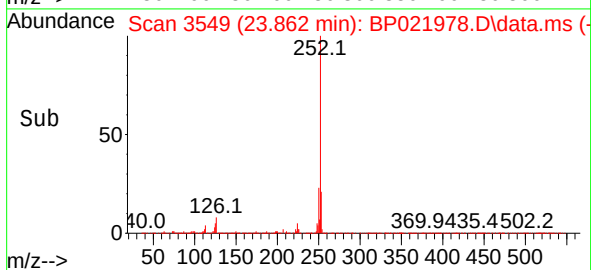
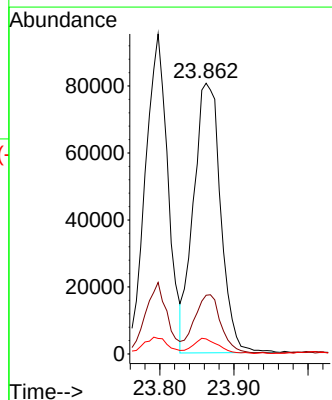
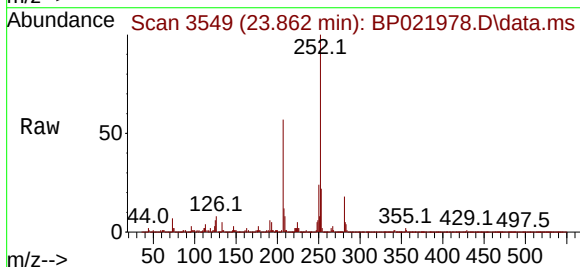
Tgt Ion:252 Resp: 204814

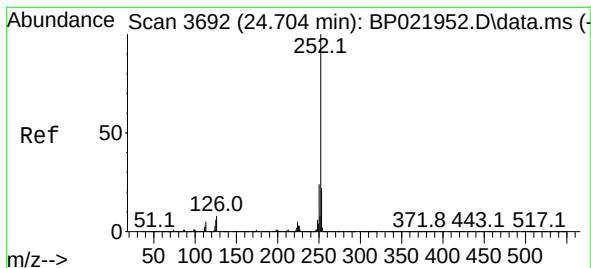
Ion Ratio Lower Upper

252 100

253 21.7 17.0 25.6

125 5.6 4.3 6.5





#90

Benzo(a)pyrene

Concen: 3.210 ng

RT: 24.680 min Scan# 3688

Delta R.T. -0.024 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

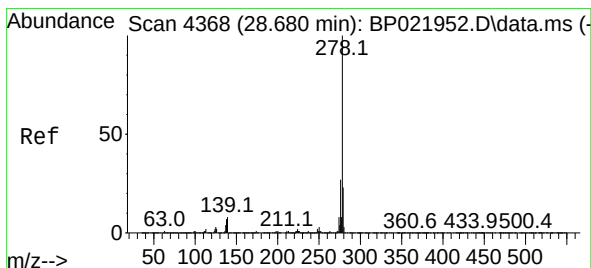
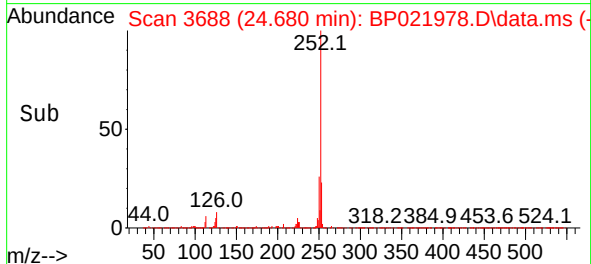
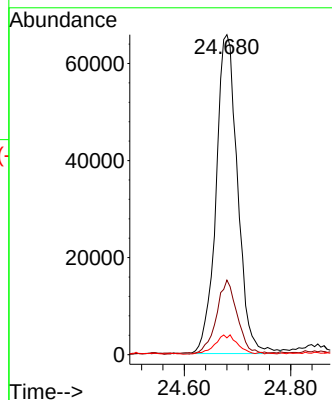
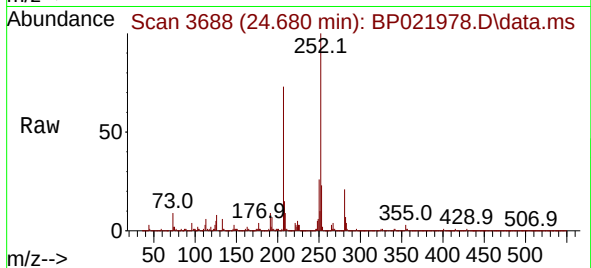
Tgt Ion:252 Resp: 184610

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

125 5.2 5.0 7.6



#91

Dibenzo(a,h)anthracene

Concen: 3.545 ng

RT: 28.662 min Scan# 4365

Delta R.T. -0.018 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

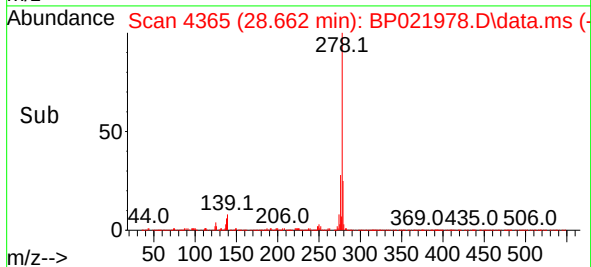
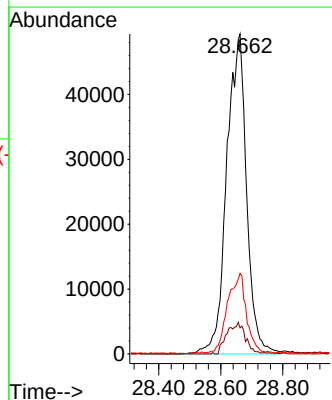
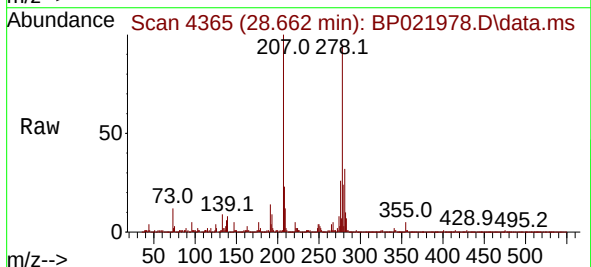
Tgt Ion:278 Resp: 219652

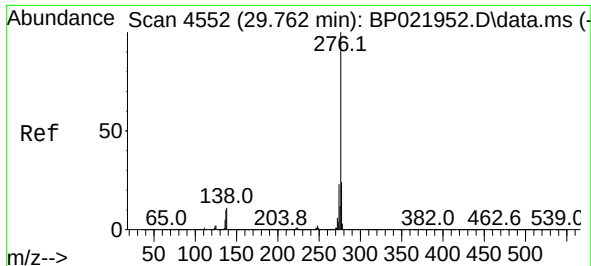
Ion Ratio Lower Upper

278 100

139 8.2 6.6 10.0

279 25.2 18.8 28.2





#92
Benzo(g,h,i)perylene
Concen: 3.347 ng
RT: 29.744 min Scan# 4549
Delta R.T. -0.018 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:276 Resp: 212406
Ion Ratio Lower Upper
276 100
277 21.9 19.3 28.9
138 10.1 9.2 13.8

