

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020624\
 Data File : BP019567.D
 Acq On : 06 Feb 2024 11:22
 Operator : MA/JU
 Sample : 04699-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2023

Quant Time: Feb 07 01:34:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	85806	20.000	ng	-0.01
21) Naphthalene-d8	10.710	136	358065	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	259830	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	616406	20.000	ng	0.00
76) Chrysene-d12	21.392	240	537216	20.000	ng	0.00
86) Perylene-d12	23.810	264	488369	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	499726	93.877	ng	-0.01
7) Phenol-d6	7.075	99	693665	96.643	ng	-0.01
23) Nitrobenzene-d5	9.075	82	553273	66.955	ng	-0.01
42) 2,4,6-Tribromophenol	16.039	330	407798	107.493	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1352773	64.363	ng	0.00
79) Terphenyl-d14	19.869	244	2518359	77.093	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.381	88	16141	7.870	ng	95
3) Pyridine	3.787	79	37014	6.657	ng	96
4) n-Nitrosodimethylamine	3.705	42	18462	7.626	ng	98
6) Aniline	7.240	93	61038	8.752	ng	99
8) 2-Chlorophenol	7.469	128	38297	7.007	ng	99
9) Benzaldehyde	7.058	77	40964	8.140	ng	96
10) Phenol	7.099	94	50776	7.098	ng	94
11) bis(2-Chloroethyl)ether	7.346	93	39859	7.162	ng	99
12) 1,3-Dichlorobenzene	7.793	146	45933	6.869	ng	99
13) 1,4-Dichlorobenzene	7.940	146	47166	6.962	ng	96
14) 1,2-Dichlorobenzene	8.257	146	44357	6.767	ng	98
15) Benzyl Alcohol	8.152	79	42653	7.437	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.440	45	42019	7.550	ng	99
17) 2-Methylphenol	8.352	107	35066	7.281	ng	98
18) Hexachloroethane	8.975	117	17552	6.684	ng	91
19) n-Nitroso-di-n-propyla...	8.722	70	38840	7.922	ng	98
20) 3+4-Methylphenols	8.681	107	48158	7.327	ng	95
22) Acetophenone	8.740	105	72385	7.096	ng	# 95
24) Nitrobenzene	9.116	77	57964	6.967	ng	97
25) Isophorone	9.640	82	103861	7.217	ng	99
26) 2-Nitrophenol	9.828	139	19607	6.181	ng	93
27) 2,4-Dimethylphenol	9.887	122	32633	8.045	ng	97
28) bis(2-Chloroethoxy)met...	10.134	93	57785	7.097	ng	99
29) 2,4-Dichlorophenol	10.351	162	41725	6.804	ng	94
30) 1,2,4-Trichlorobenzene	10.569	180	49619	6.600	ng	98
31) Naphthalene	10.757	128	133165	6.781	ng	99
32) Benzoic acid	9.963	122	20822	5.268	ng	# 79
33) 4-Chloroaniline	10.875	127	55773	7.680	ng	97
34) Hexachlorobutadiene	11.034	225	36212	6.499	ng	97
35) Caprolactam	11.651	113	13083	7.537	ng	92
36) 4-Chloro-3-methylphenol	11.993	107	47874	7.160	ng	98
37) 2-Methylnaphthalene	12.369	142	95592	7.034	ng	100
38) 1-Methylnaphthalene	12.587	142	96918	7.257	ng	95
40) 1,2,4,5-Tetrachloroben...	12.728	216	65063	6.493	ng	98
41) Hexachlorocyclopentadiene	12.704	237	33332	7.363	ng	99
43) 2,4,6-Trichlorophenol	12.975	196	37084	6.112	ng	97

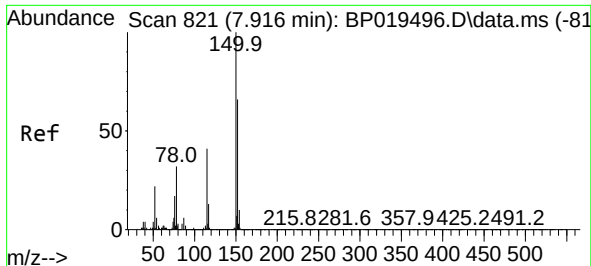
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.040	196	41995	6.303	ng	98
46) 1,1'-Biphenyl	13.381	154	142141	6.854	ng	98
47) 2-Chloronaphthalene	13.422	162	107461	6.313	ng	99
48) 2-Nitroaniline	13.628	65	31233	6.561	ng	96
49) Acenaphthylene	14.263	152	175841	7.363	ng	99
50) Dimethylphthalate	14.010	163	142029	7.140	ng	98
51) 2,6-Dinitrotoluene	14.134	165	29035	6.644	ng	96
52) Acenaphthene	14.604	154	100697	6.793	ng	98
53) 3-Nitroaniline	14.457	138	28083	6.993	ng #	97
54) 2,4-Dinitrophenol	14.663	184	13032	5.743	ng	91
55) Dibenzofuran	14.945	168	173786	7.198	ng	98
56) 4-Nitrophenol	14.757	139	21072	6.401	ng	98
57) 2,4-Dinitrotoluene	14.916	165	39007	6.811	ng	99
58) Fluorene	15.592	166	138479	7.202	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.163	232	40307	7.192	ng	98
60) Diethylphthalate	15.381	149	142370	7.196	ng	99
61) 4-Chlorophenyl-phenyle...	15.592	204	76053	7.037	ng	99
62) 4-Nitroaniline	15.622	138	28615	6.797	ng	98
63) Azobenzene	15.886	77	139153	7.273	ng	98
65) 4,6-Dinitro-2-methylph...	15.675	198	19255	5.478	ng	88
66) n-Nitrosodiphenylamine	15.810	169	122048	6.611	ng	99
67) 4-Bromophenyl-phenylether	16.492	248	49776	6.460	ng	98
68) Hexachlorobenzene	16.586	284	58546	6.506	ng	97
69) Atrazine	16.775	200	50018	8.165	ng	98
70) Pentachlorophenol	16.939	266	29476	5.260	ng	98
71) Phenanthrene	17.339	178	226320	6.977	ng	99
72) Anthracene	17.433	178	224968	6.952	ng	99
73) Carbazole	17.710	167	197531	6.719	ng	99
74) Di-n-butylphthalate	18.275	149	232233	6.533	ng	98
75) Fluoranthene	19.310	202	270671	6.830	ng	98
77) Benzidine	19.498	184	96548	8.596	ng	99
78) Pyrene	19.663	202	282997	7.464	ng	99
80) Butylbenzylphthalate	20.557	149	89509	6.322	ng	96
81) Benzo(a)anthracene	21.374	228	264604	6.997	ng	99
82) 3,3'-Dichlorobenzidine	21.316	252	84956	6.165	ng	93
83) Chrysene	21.427	228	237711	6.621	ng	99
84) Bis(2-ethylhexyl)phtha...	21.321	149	123645	5.735	ng	100
85) Di-n-octyl phthalate	22.268	149	170618	4.498	ng	99
87) Indeno(1,2,3-cd)pyrene	26.327	276	223901	5.989	ng	98
88) Benzo(b)fluoranthene	23.068	252	205728	6.684	ng	98
89) Benzo(k)fluoranthene	23.121	252	205300	6.983	ng	98
90) Benzo(a)pyrene	23.698	252	173862	6.348	ng	99
91) Dibenzo(a,h)anthracene	26.362	278	186012	6.050	ng	99
92) Benzo(g,h,i)perylene	27.104	276	183238	5.875	ng	99

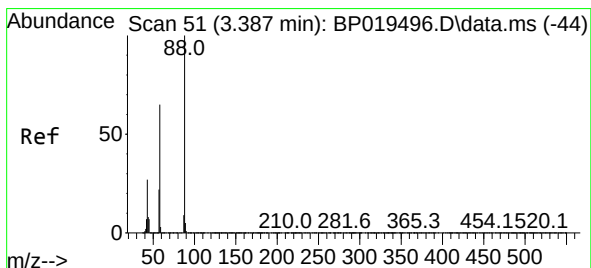
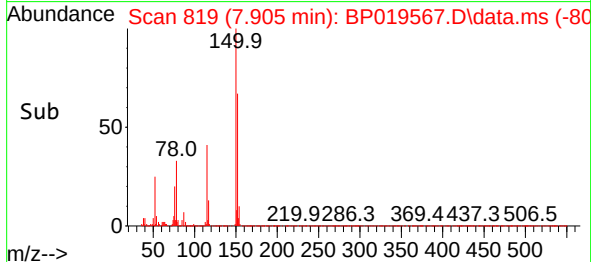
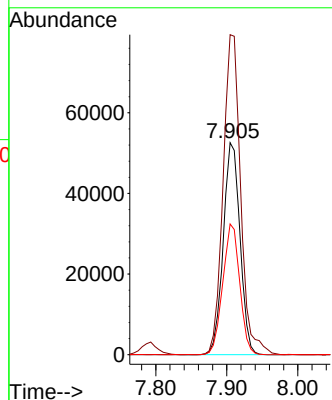
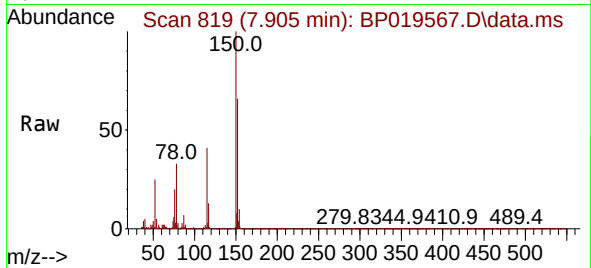
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019567.D
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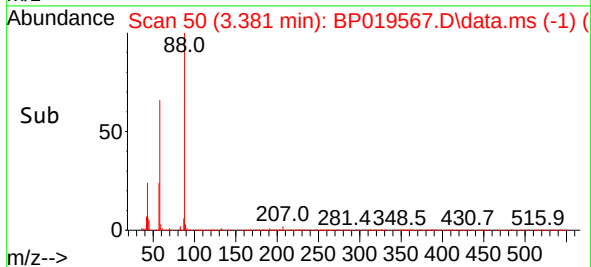
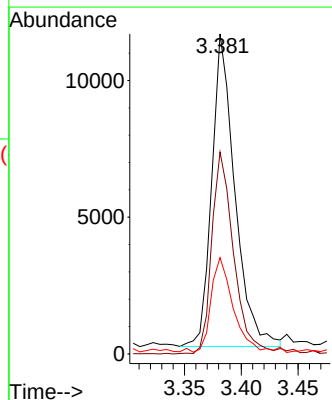
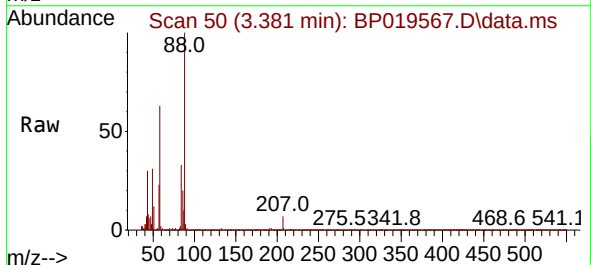
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT4-2023

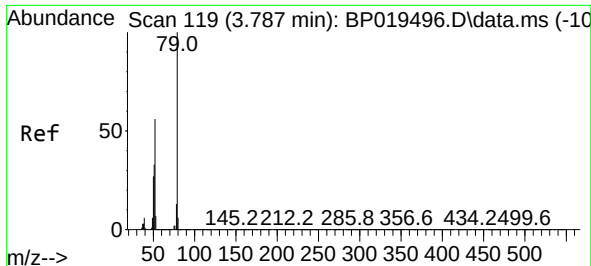
Tgt Ion:152 Resp: 85806
Ion Ratio Lower Upper
152 100
150 150.9 121.8 182.8
115 61.7 49.9 74.9



#2
1,4-Dioxane
Concen: 7.870 ng
RT: 3.381 min Scan# 50
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion: 88 Resp: 16141
Ion Ratio Lower Upper
88 100
58 60.9 52.6 78.8
43 28.8 21.9 32.9





#3

Pyridine

Concen: 6.657 ng

RT: 3.787 min Scan# 119

Delta R.T. 0.000 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

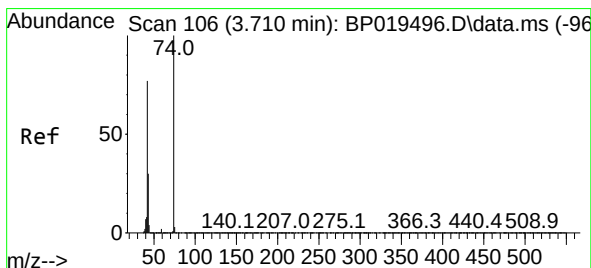
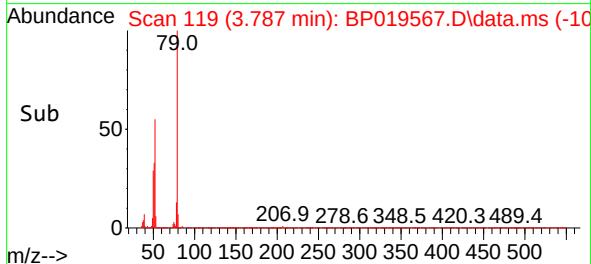
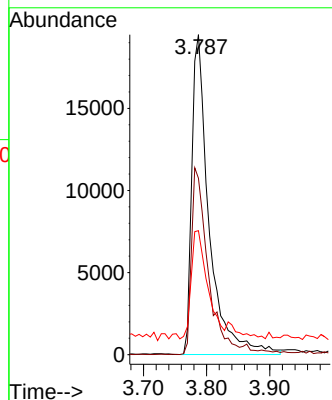
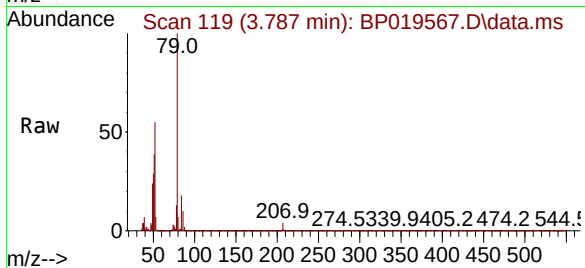
Tgt Ion: 79 Resp: 37014

Ion Ratio Lower Upper

79 100

52 55.2 45.0 67.6

51 38.8 26.8 40.2



#4

n-Nitrosodimethylamine

Concen: 7.626 ng

RT: 3.705 min Scan# 105

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

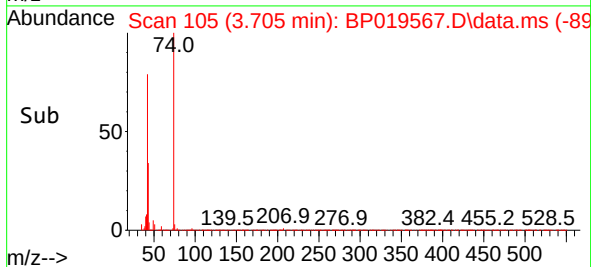
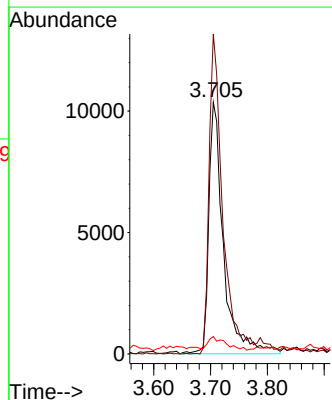
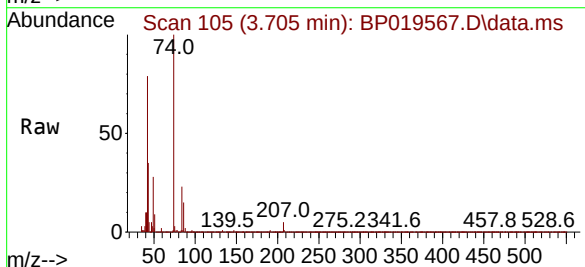
Tgt Ion: 42 Resp: 18462

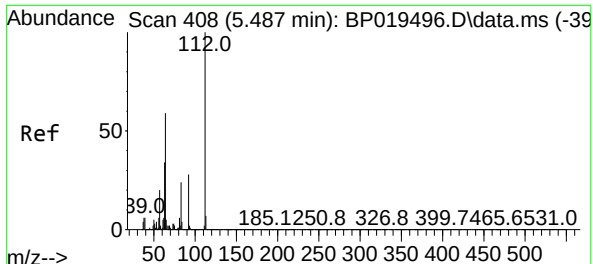
Ion Ratio Lower Upper

42 100

74 127.2 103.4 155.2

44 6.9 4.8 7.2

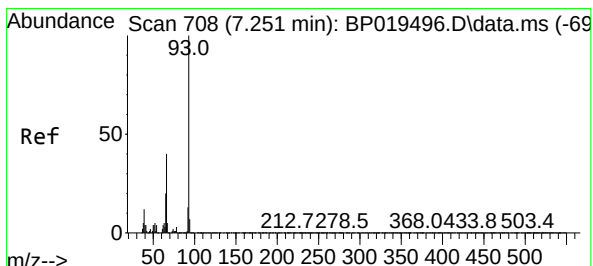
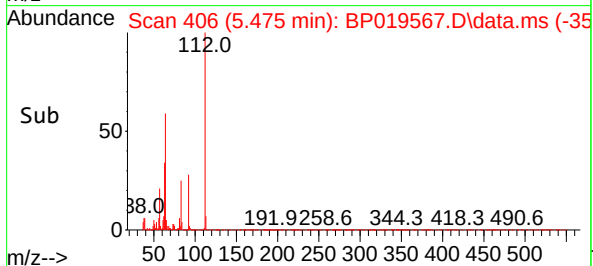
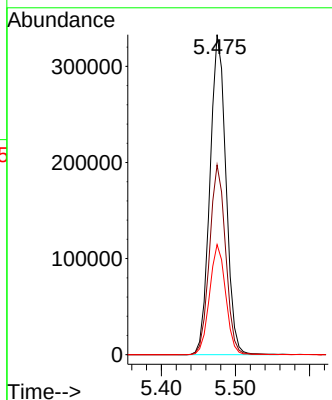
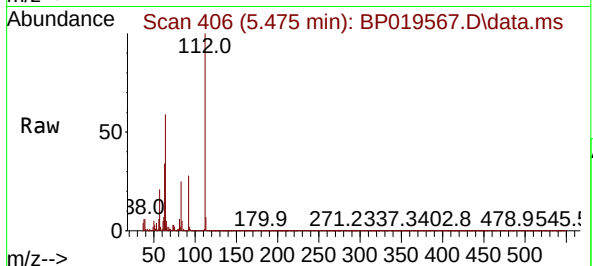




#5
2-Fluorophenol
Concen: 93.877 ng
RT: 5.475 min Scan# 408
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

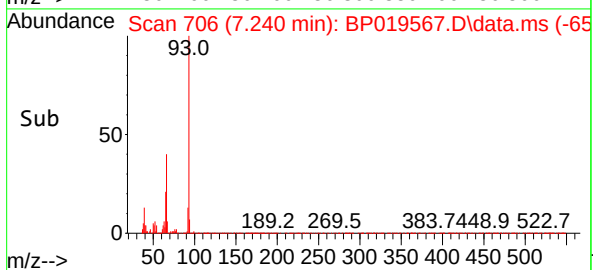
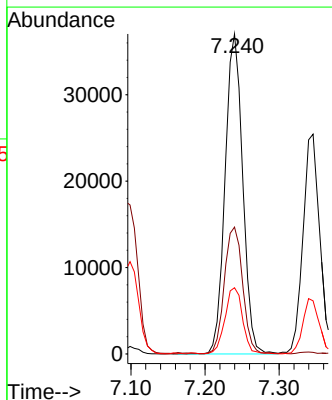
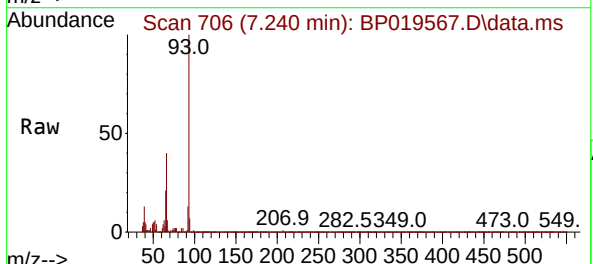
Instrument :
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ClientSampleId :
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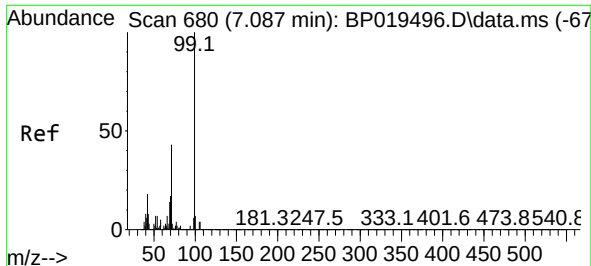
Tgt Ion:112 Resp: 499726
Ion Ratio Lower Upper
112 100
64 59.3 47.4 71.0
63 34.4 27.0 40.6



#6
Aniline
Concen: 8.752 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion: 93 Resp: 61038
Ion Ratio Lower Upper
93 100
66 39.6 32.3 48.5
65 20.7 16.4 24.6

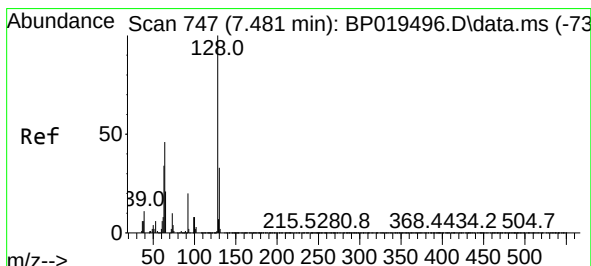
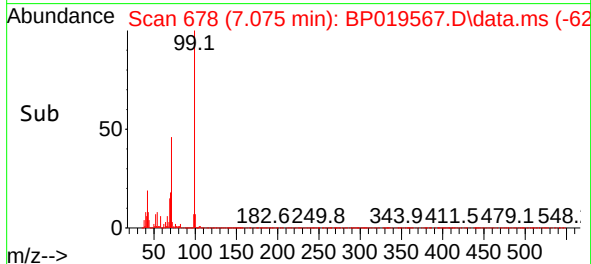
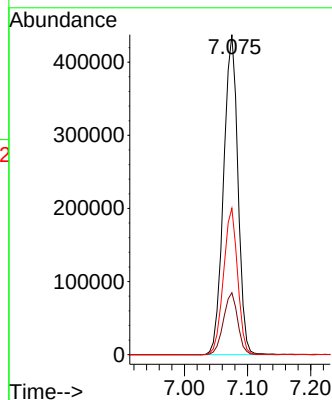
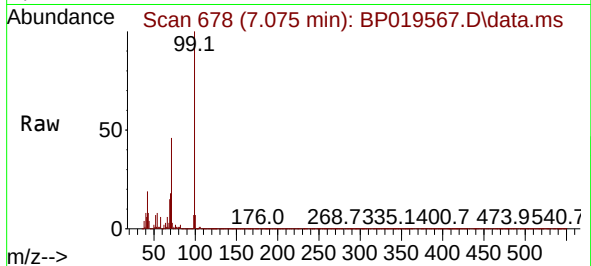




#7
Phenol-d6
Concen: 96.643 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

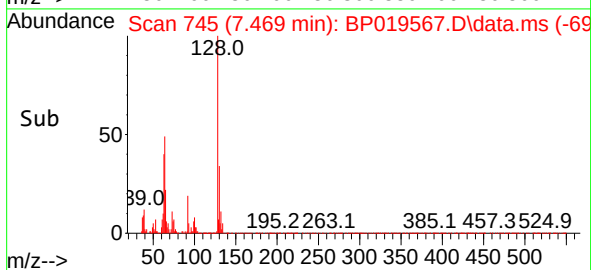
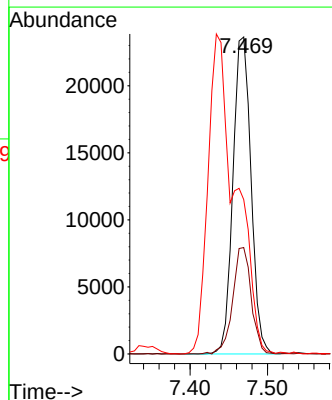
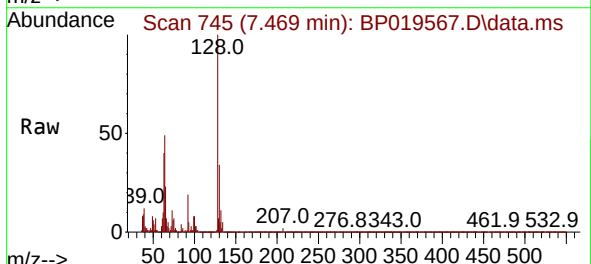
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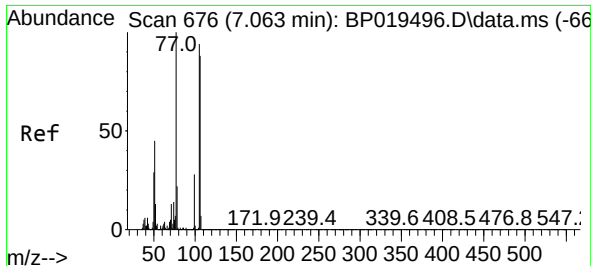
Tgt Ion: 99 Resp: 693665
Ion Ratio Lower Upper
99 100
42 19.3 14.7 22.1
71 45.8 34.8 52.2



#8
2-Chlorophenol
Concen: 7.007 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion: 128 Resp: 38297
Ion Ratio Lower Upper
128 100
130 33.6 13.3 53.3
64 48.7 29.7 69.7

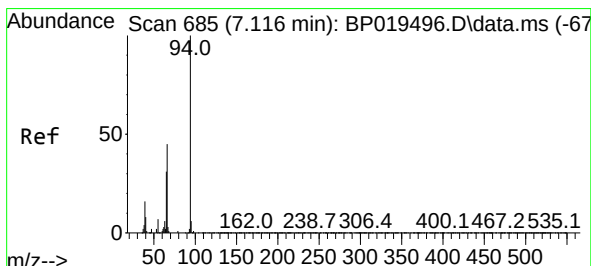
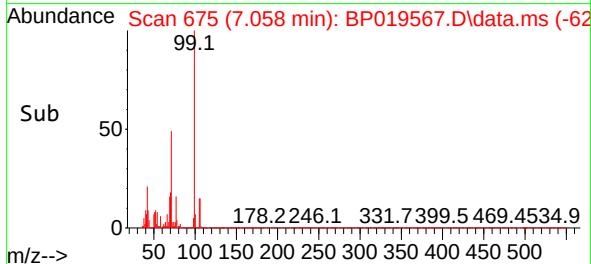
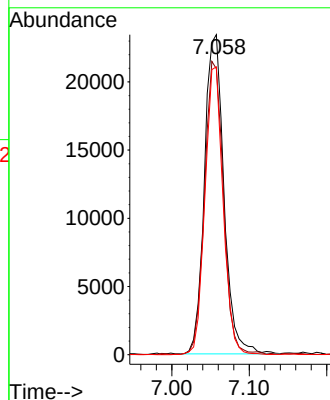
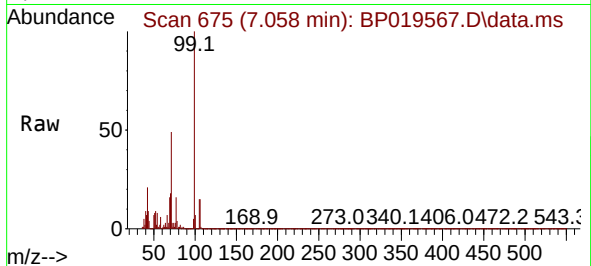




#9
Benzaldehyde
Concen: 8.140 ng
RT: 7.058 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

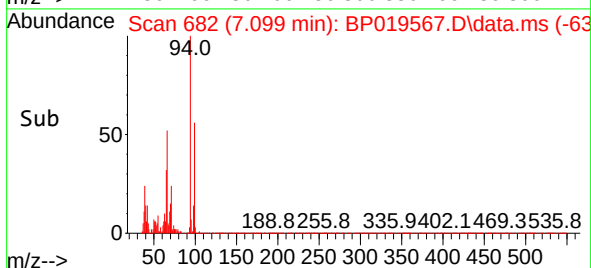
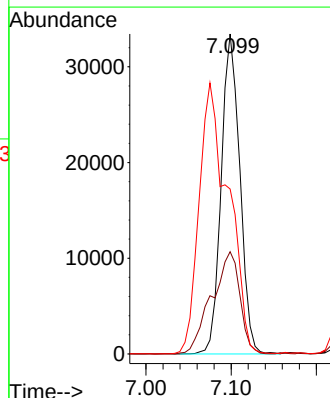
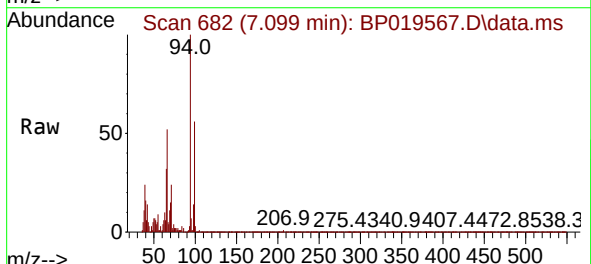
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

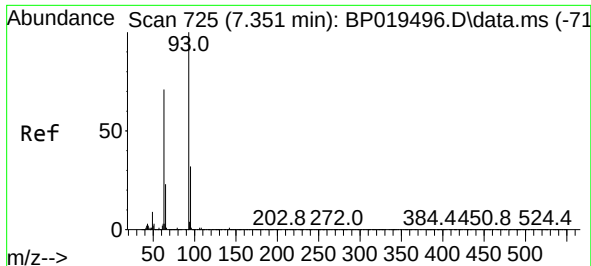
Tgt Ion: 77 Resp: 40964
Ion Ratio Lower Upper
77 100
105 89.3 74.0 114.0
106 90.0 67.8 107.8



#10
Phenol
Concen: 7.098 ng
RT: 7.099 min Scan# 682
Delta R.T. -0.017 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion: 94 Resp: 50776
Ion Ratio Lower Upper
94 100
65 32.0 11.3 51.3
66 51.5 25.1 65.1

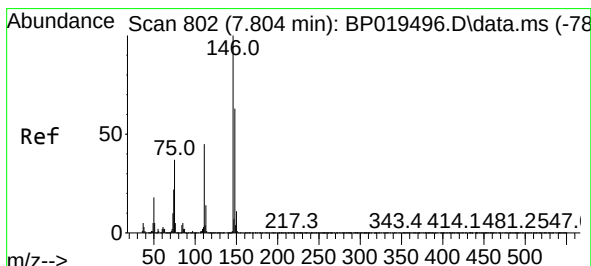
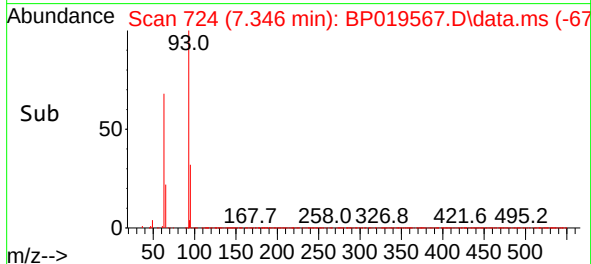
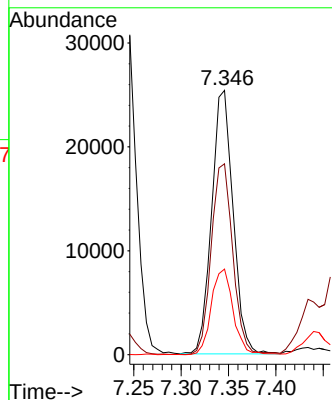
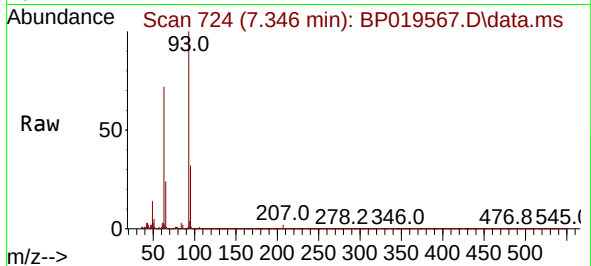




#11
bis(2-Chloroethyl)ether
Concen: 7.162 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

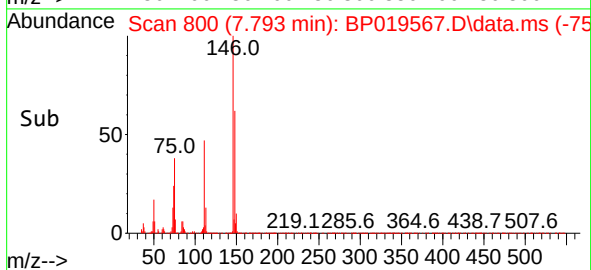
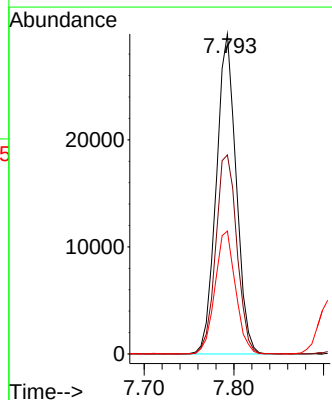
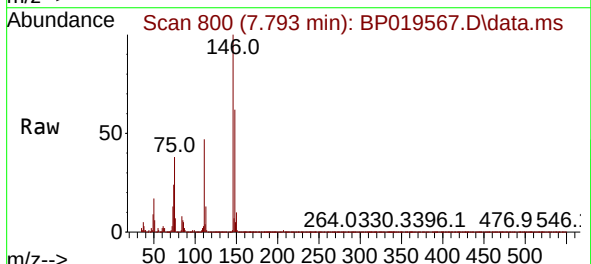
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

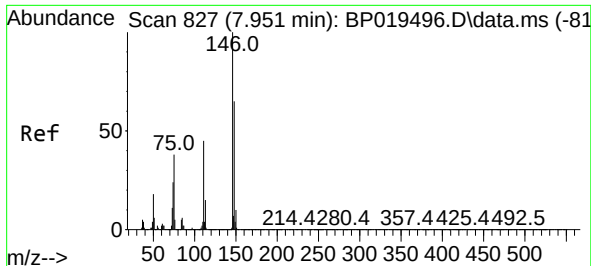
Tgt Ion: 93 Resp: 39859
Ion Ratio Lower Upper
93 100
63 72.2 51.2 91.2
95 32.4 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 6.869 ng
RT: 7.793 min Scan# 800
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion:146 Resp: 45933
Ion Ratio Lower Upper
146 100
148 62.2 50.4 75.6
75 38.4 29.9 44.9

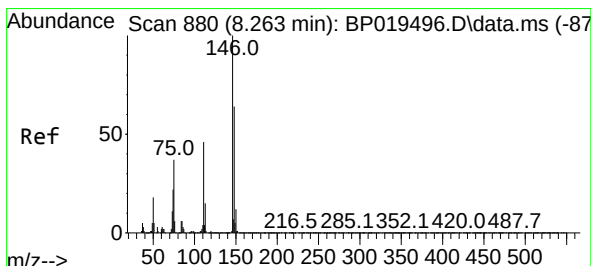
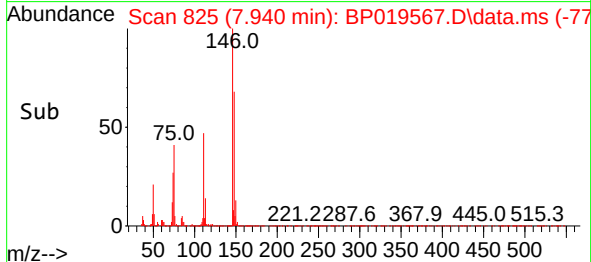
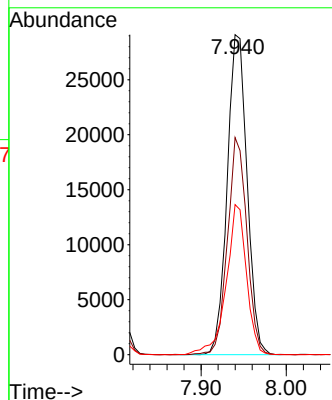
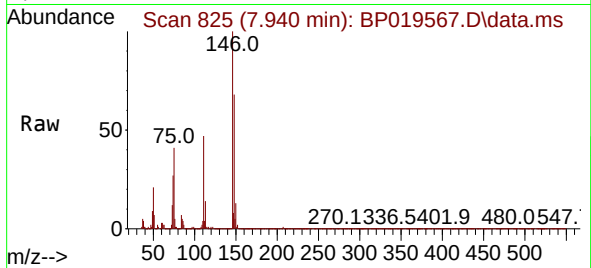




#13
1,4-Dichlorobenzene
Concen: 6.962 ng
RT: 7.940 min Scan# 811
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

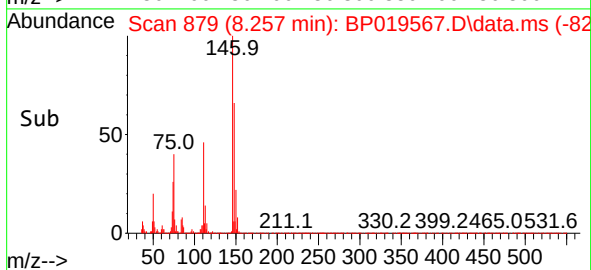
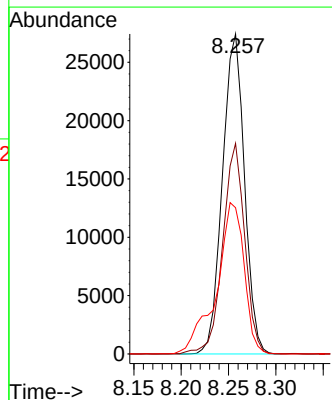
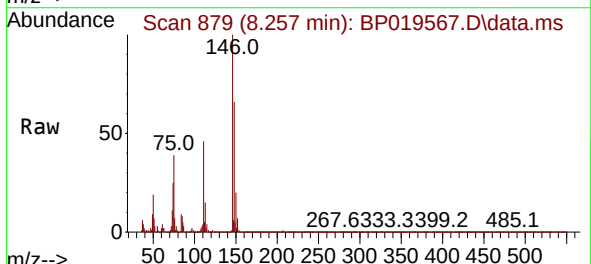
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

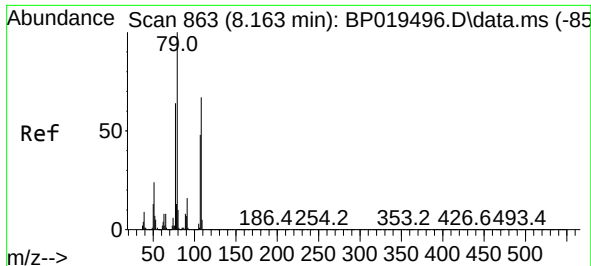
Tgt Ion:146 Resp: 47166
Ion Ratio Lower Upper
146 100
148 67.8 51.9 77.9
111 46.9 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 6.767 ng
RT: 8.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion:146 Resp: 44357
Ion Ratio Lower Upper
146 100
148 65.8 51.4 77.0
111 45.7 37.0 55.6

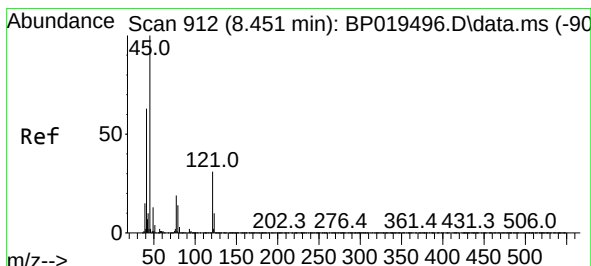
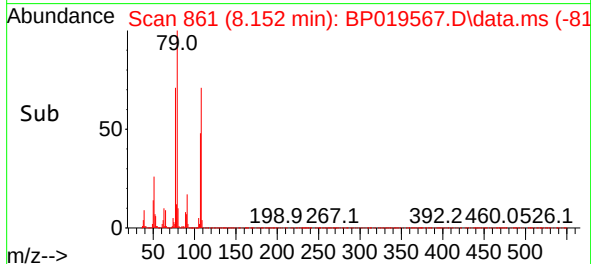
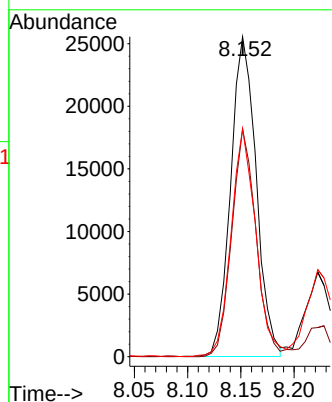
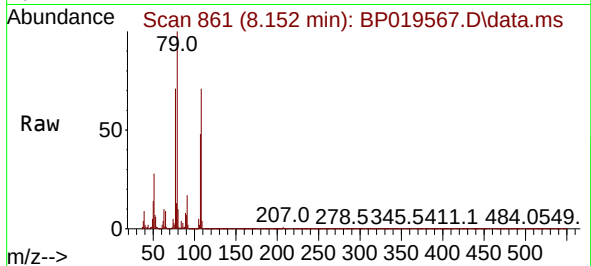




#15
Benzyl Alcohol
Concen: 7.437 ng
RT: 8.152 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

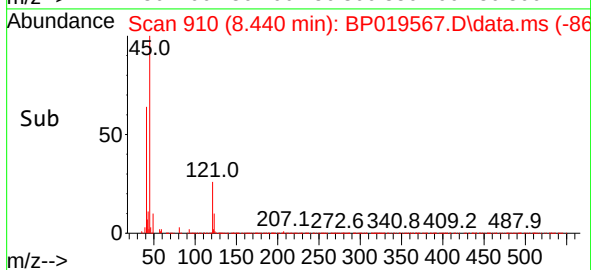
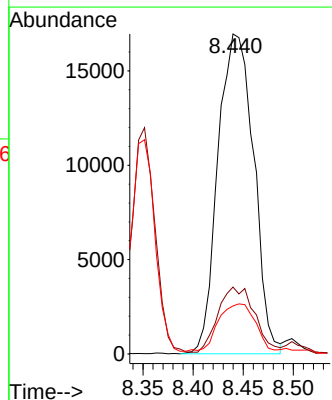
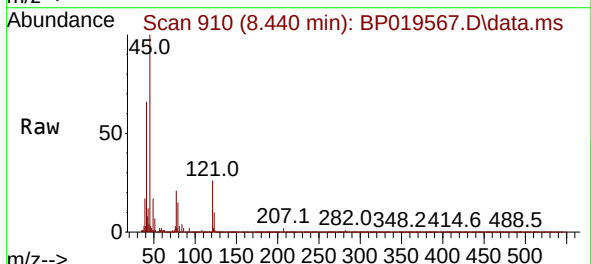
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

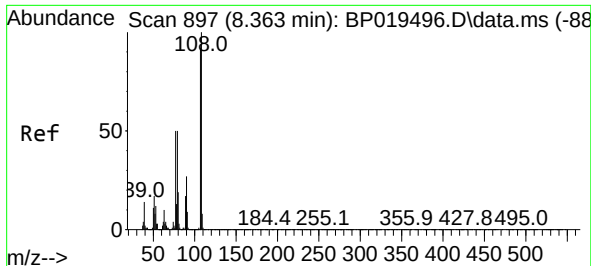
Tgt Ion: 79	Resp: 42653
Ion Ratio	Lower Upper
79 100	
108 71.1	53.8 80.6
77 71.3	51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.550 ng
RT: 8.440 min Scan# 910
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion: 45	Resp: 42019
Ion Ratio	Lower Upper
45 100	
77 20.9	0.8 40.8
79 15.0	0.0 35.5

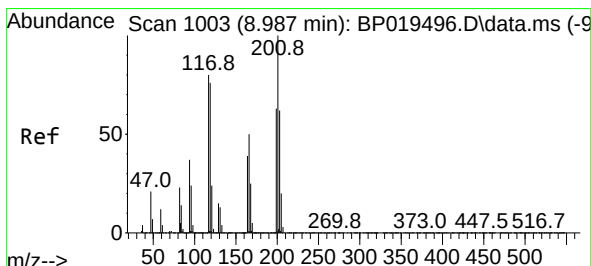
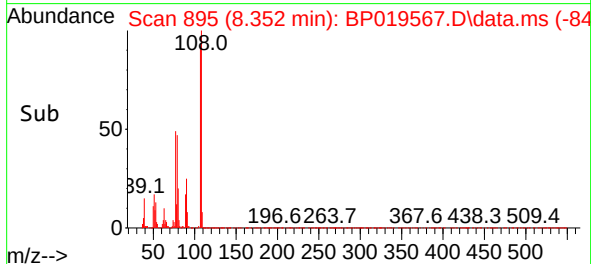
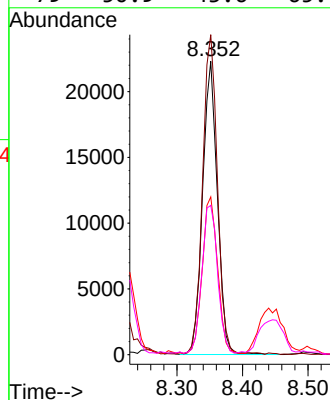
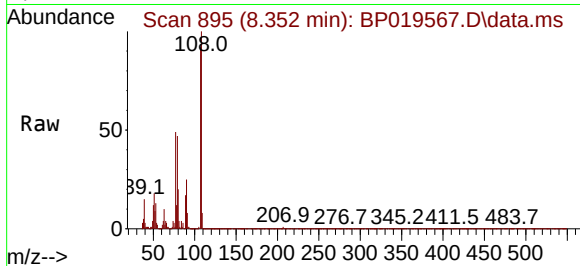




#17
2-Methylphenol
Concen: 7.281 ng
RT: 8.352 min Scan# 895
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

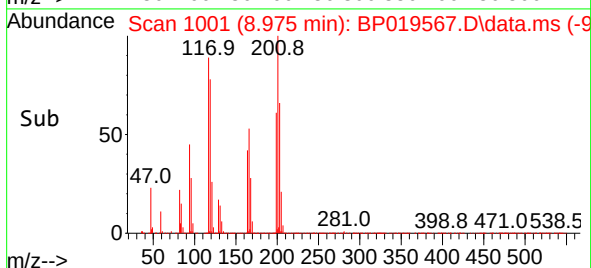
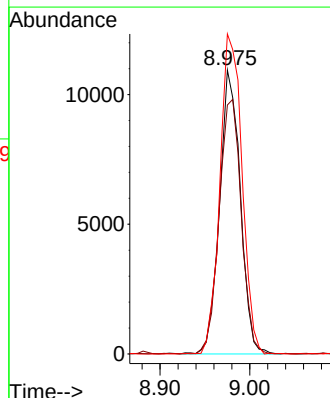
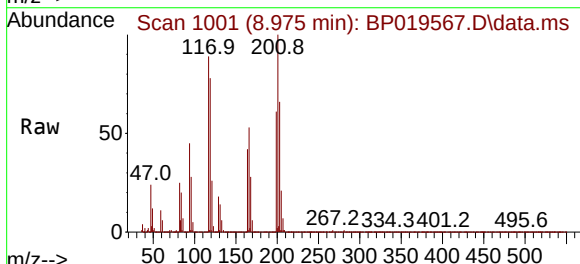
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

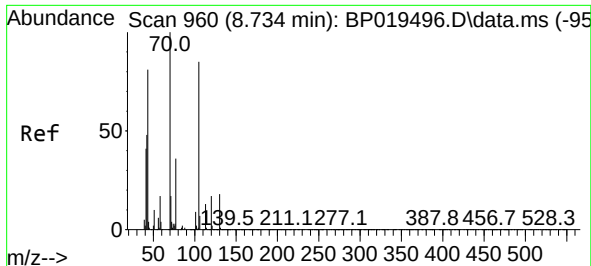
Tgt Ion:	107	Resp:	35066
Ion	Ratio	Lower	Upper
107	100		
108	109.0	87.0	130.6
77	53.7	43.5	65.3
79	50.9	43.6	65.4



#18
Hexachloroethane
Concen: 6.684 ng
RT: 8.975 min Scan# 1001
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion:	117	Resp:	17552
Ion	Ratio	Lower	Upper
117	100		
119	87.7	75.5	113.3
201	112.8	99.4	149.2

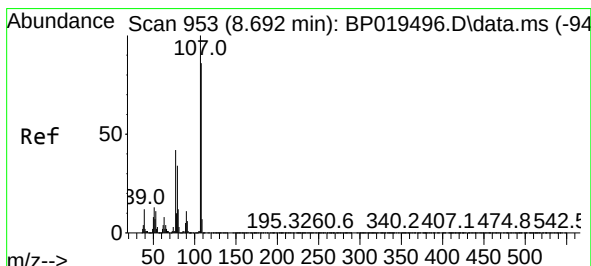
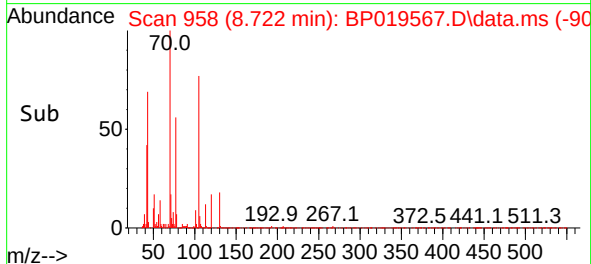
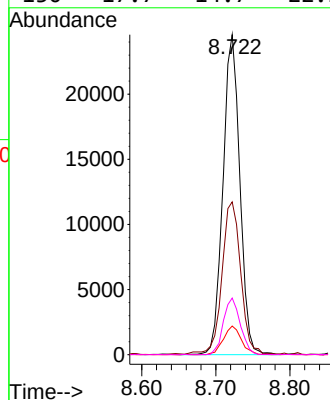
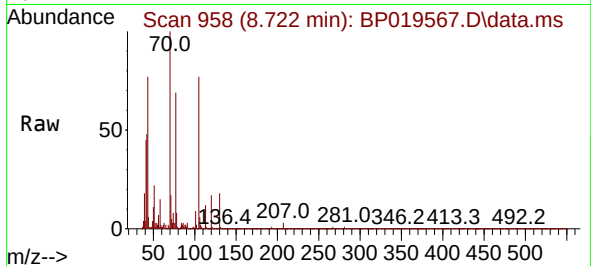




#19
n-Nitroso-di-n-propylamine
Concen: 7.922 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

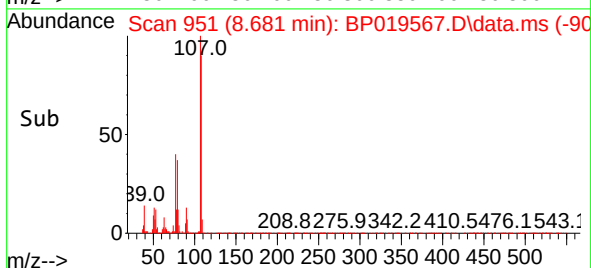
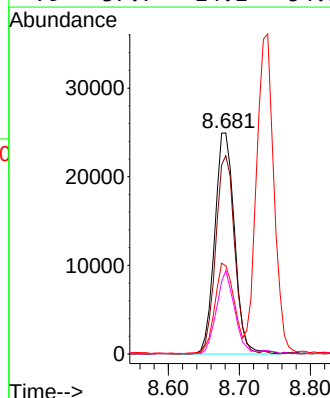
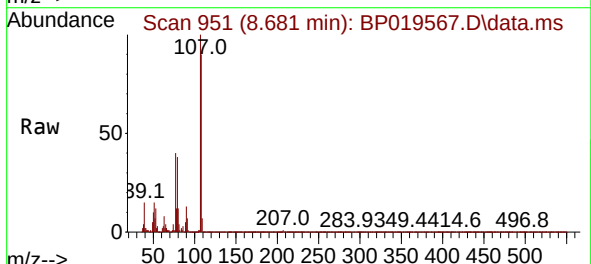
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

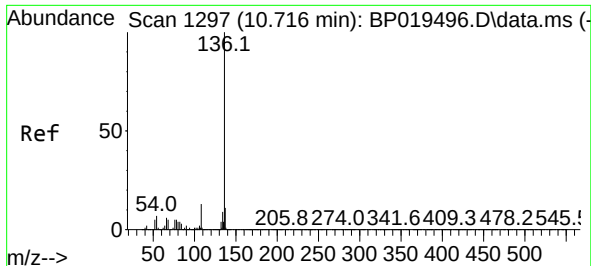
Tgt Ion:	70	Resp:	38840
Ion	Ratio	Lower	Upper
70	100		
42	47.8	39.2	58.8
101	9.0	7.3	10.9
130	17.7	14.7	22.1



#20
3+4-Methylphenols
Concen: 7.327 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion:	107	Resp:	48158
Ion	Ratio	Lower	Upper
107	100		
108	89.7	65.5	105.5
77	39.9	21.8	61.8
79	37.7	14.1	54.1

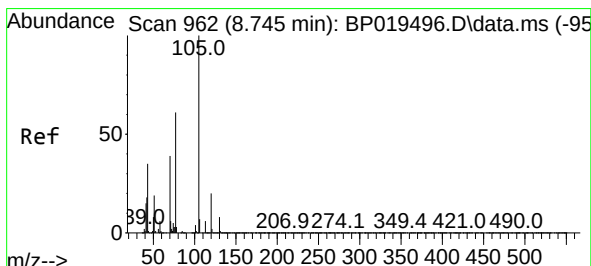
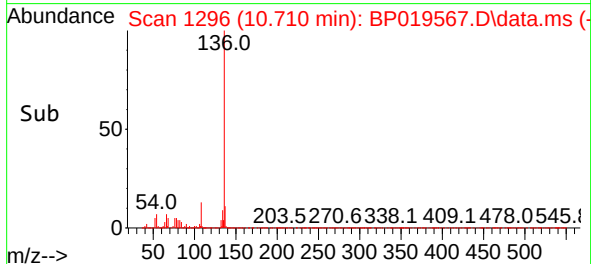
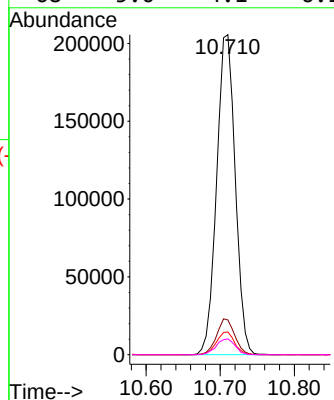
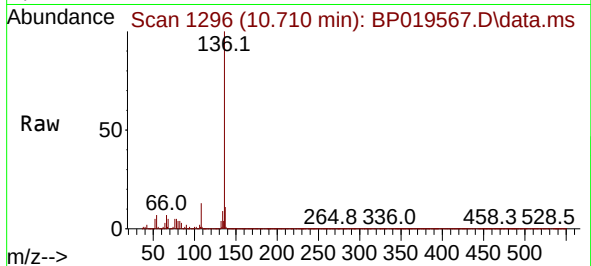




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

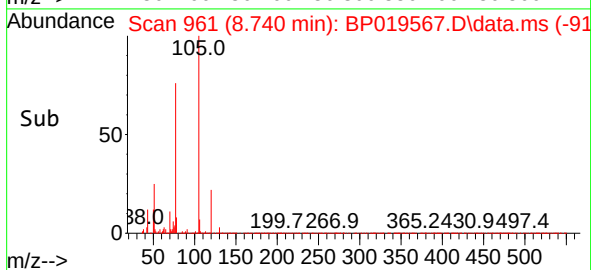
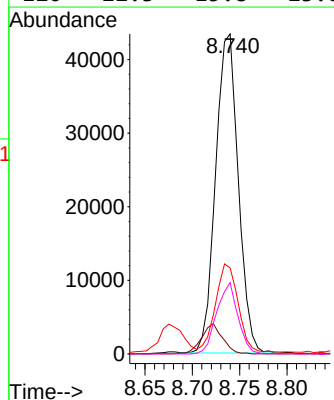
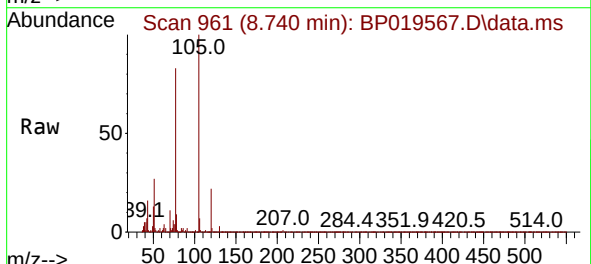
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

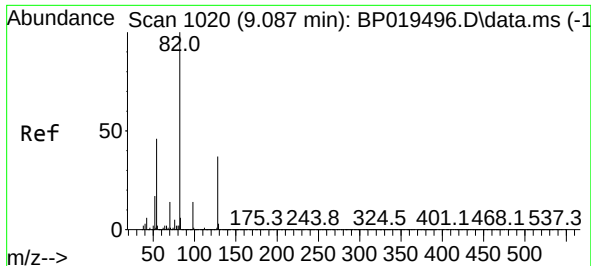
Tgt Ion:	136	Resp:	358065
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.1	5.3	7.9
68	5.0	4.1	6.1



#22
Acetophenone
Concen: 7.096 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion:	105	Resp:	72385
Ion	Ratio	Lower	Upper
105	100		
71	2.0	4.9	7.3
51	26.9	20.7	31.1
120	22.3	15.8	23.8

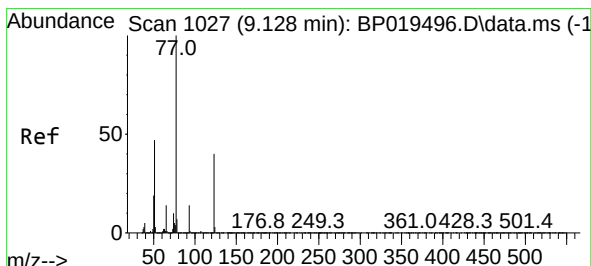
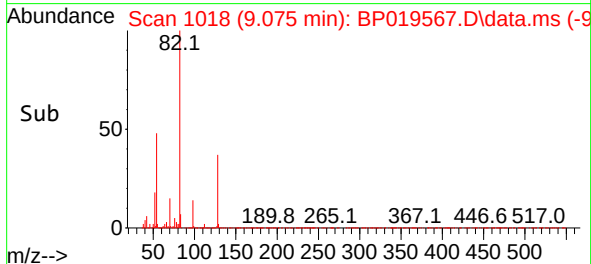
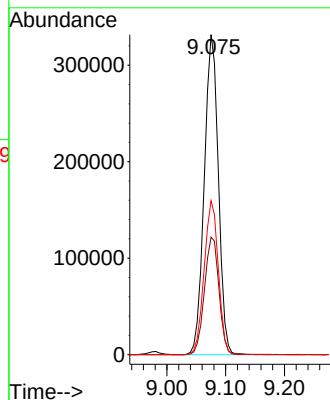
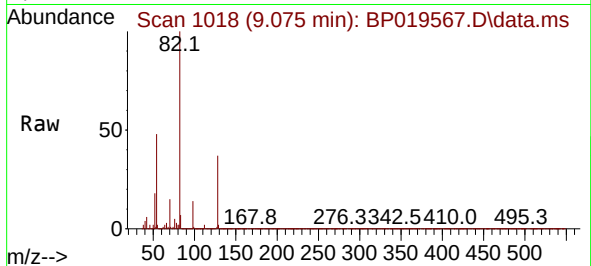




#23
Nitrobenzene-d5
Concen: 66.955 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

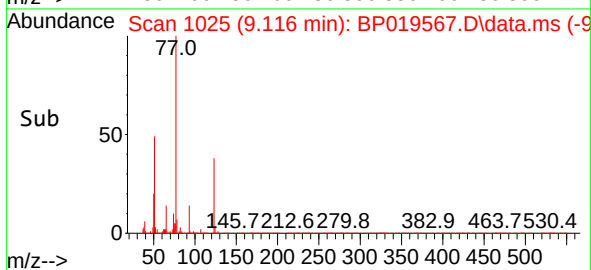
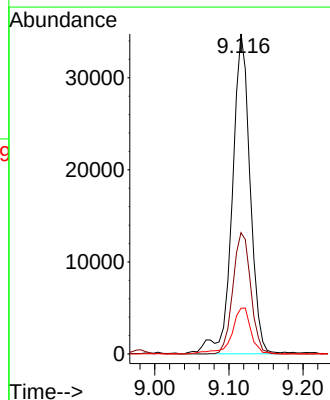
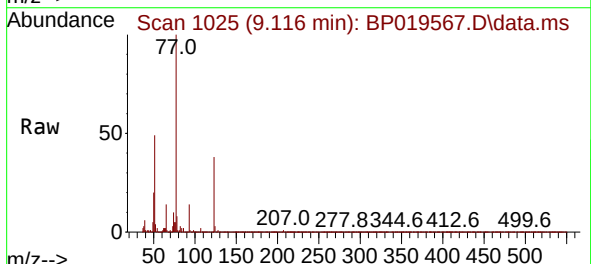
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

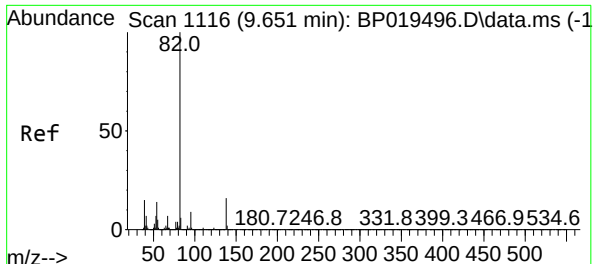
Tgt Ion: 82 Resp: 553273
Ion Ratio Lower Upper
82 100
128 36.7 29.7 44.5
54 48.1 36.8 55.2



#24
Nitrobenzene
Concen: 6.967 ng
RT: 9.116 min Scan# 1025
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion: 77 Resp: 57964
Ion Ratio Lower Upper
77 100
123 37.9 32.3 48.5
65 14.3 11.6 17.4

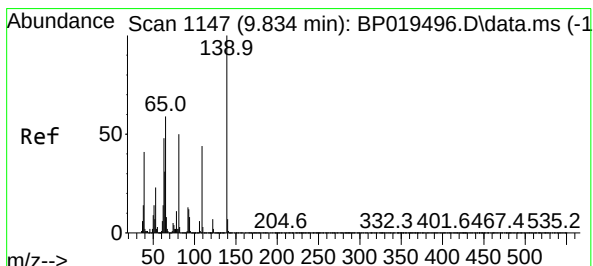
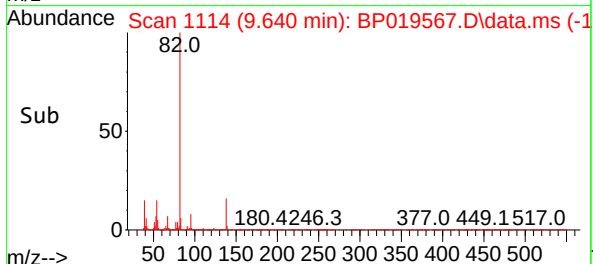
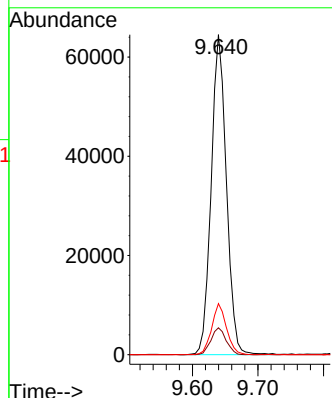
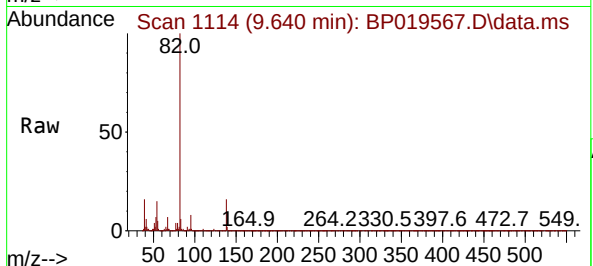




#25
Isophorone
Concen: 7.217 ng
RT: 9.640 min Scan# 1114
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

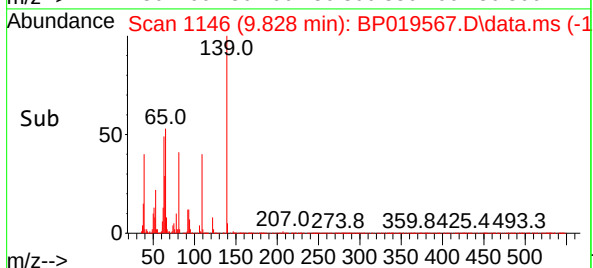
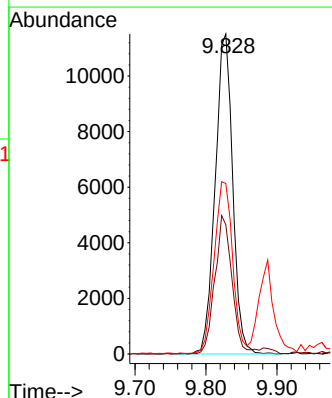
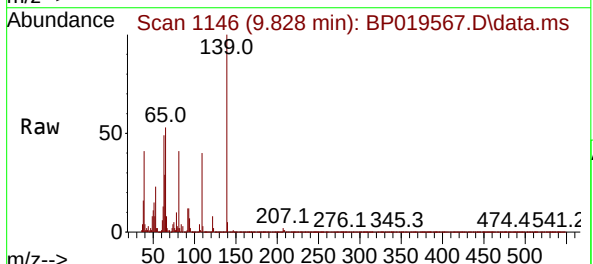
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

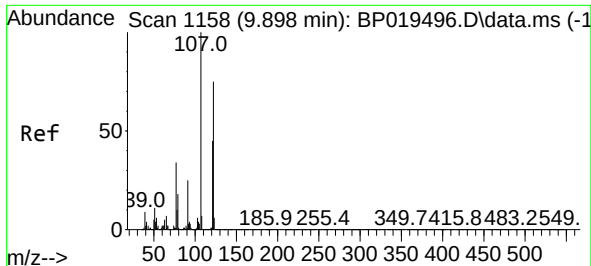
Tgt Ion: 82 Resp: 103861
Ion Ratio Lower Upper
82 100
95 8.4 7.0 10.4
138 16.0 13.1 19.7



#26
2-Nitrophenol
Concen: 6.181 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion: 139 Resp: 19607
Ion Ratio Lower Upper
139 100
109 40.4 34.9 52.3
65 53.3 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 8.045 ng

RT: 9.887 min Scan# 1156

Delta R.T. -0.012 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

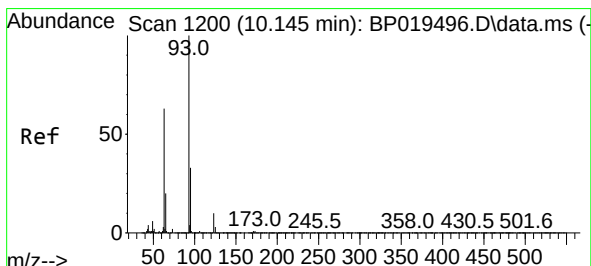
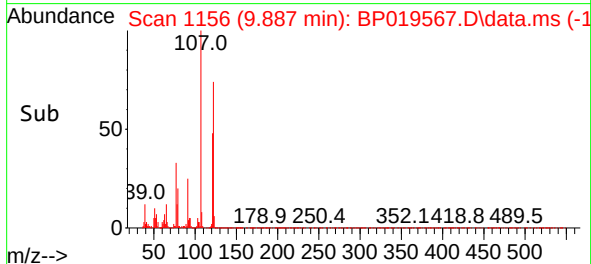
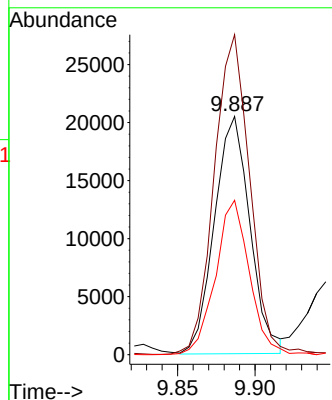
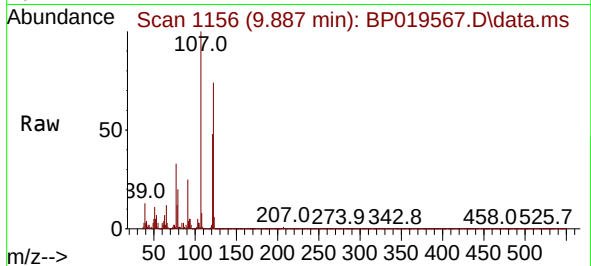
Tgt Ion:122 Resp: 32633

Ion Ratio Lower Upper

122 100

107 134.3 105.9 158.9

121 64.8 47.5 71.3



#28

bis(2-Chloroethoxy)methane

Concen: 7.097 ng

RT: 10.134 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

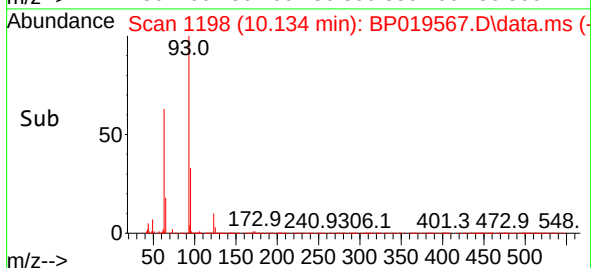
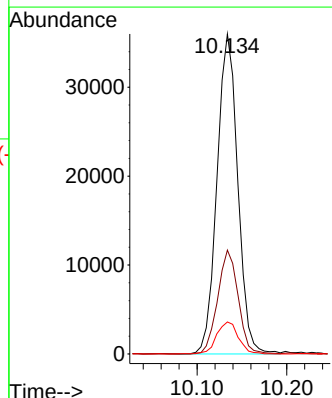
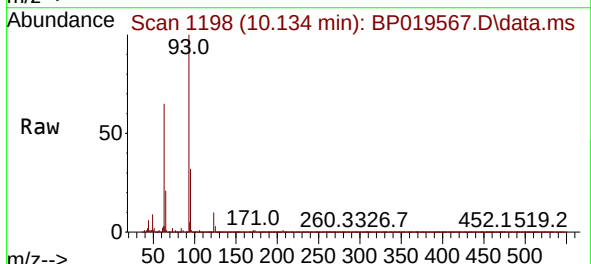
Tgt Ion: 93 Resp: 57785

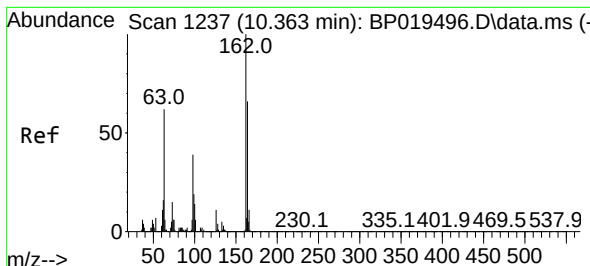
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.4

123 10.0 8.5 12.7





#29

2,4-Dichlorophenol

Concen: 6.804 ng

RT: 10.351 min Scan# 1235

Delta R.T. -0.012 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

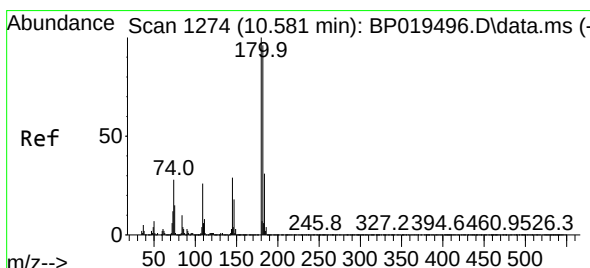
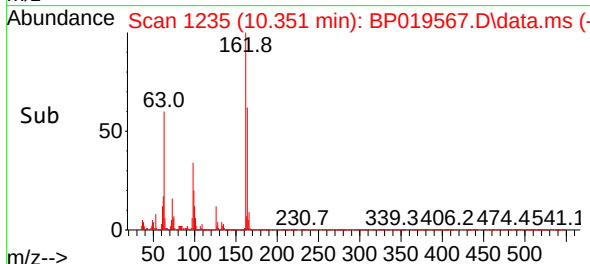
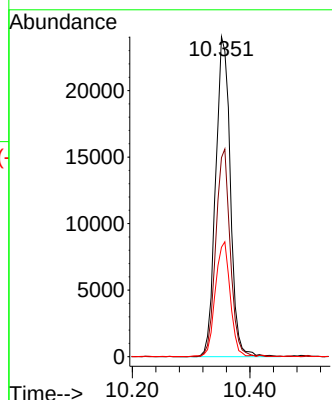
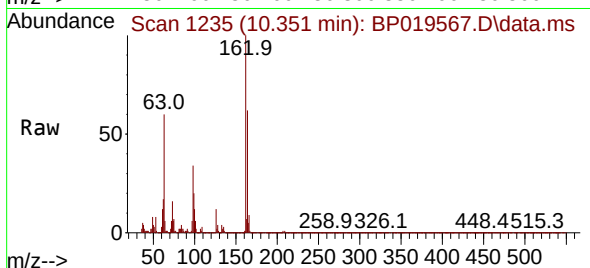
Tgt Ion:162 Resp: 41725

Ion Ratio Lower Upper

162 100

164 62.2 46.0 86.0

98 34.2 18.7 58.7



#30

1,2,4-Trichlorobenzene

Concen: 6.600 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.012 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

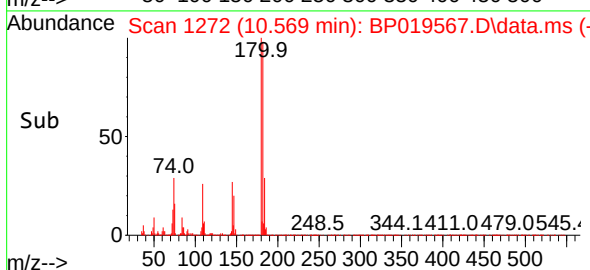
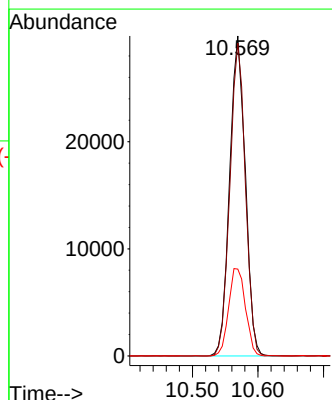
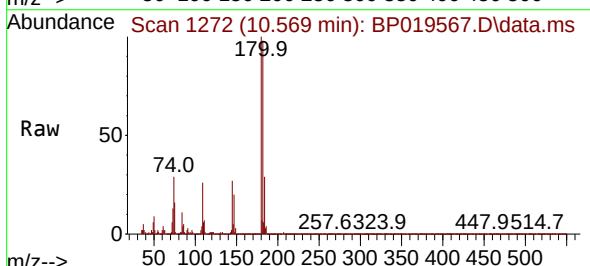
Tgt Ion:180 Resp: 49619

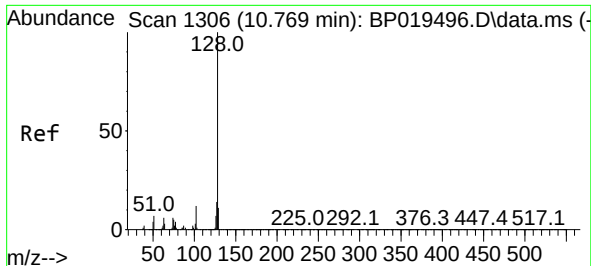
Ion Ratio Lower Upper

180 100

182 97.8 77.0 115.6

145 27.1 23.2 34.8

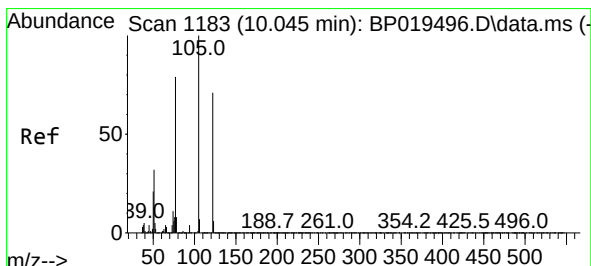
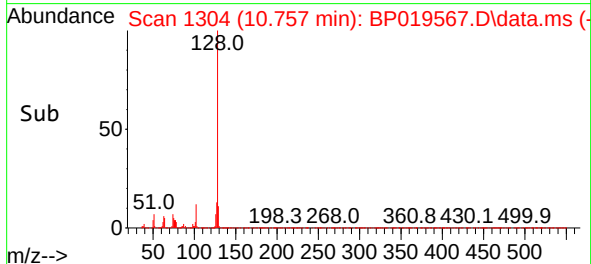
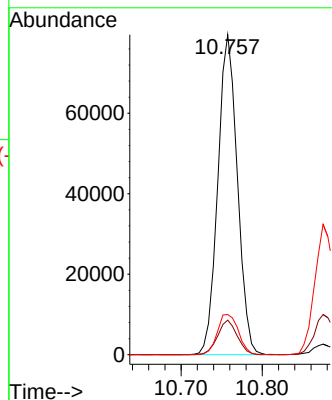
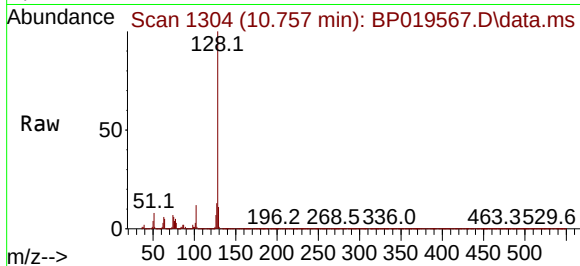




#31
Naphthalene
Concen: 6.781 ng
RT: 10.757 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

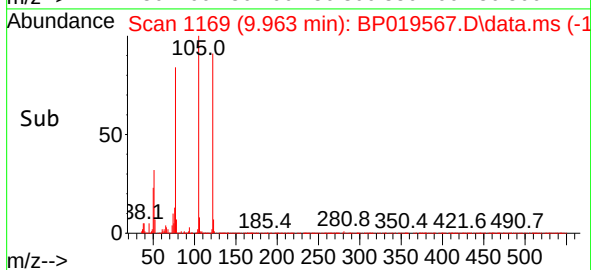
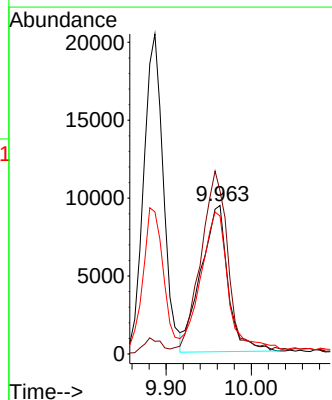
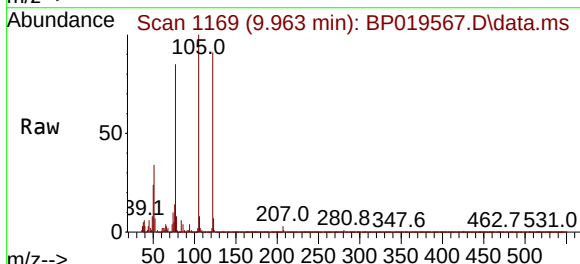
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

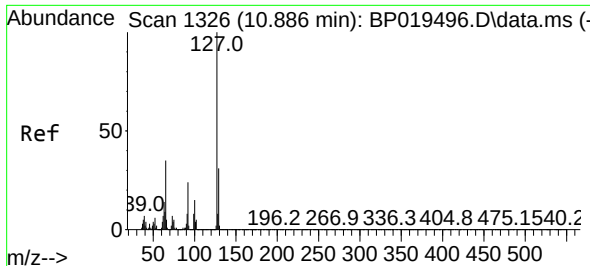
Tgt Ion:128 Resp: 133165
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 12.5 10.8 16.2



#32
Benzoic acid
Concen: 5.268 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.082 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion:122 Resp: 20822
Ion Ratio Lower Upper
122 100
105 109.8 118.8 158.8#
77 92.9 91.7 131.7

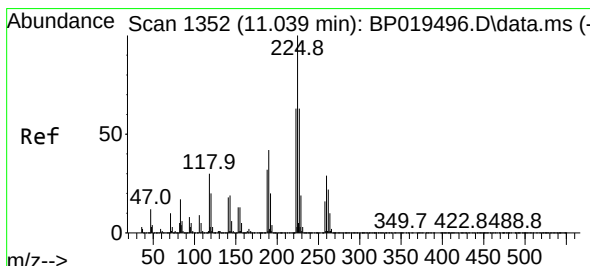
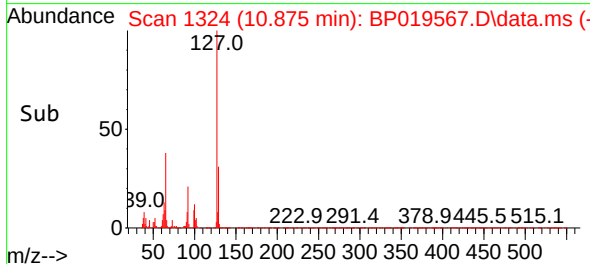
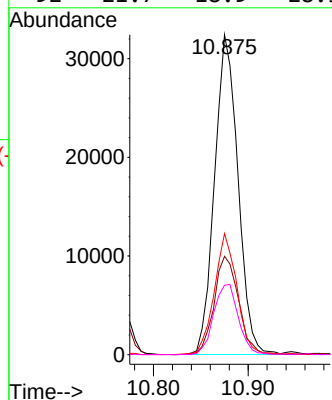
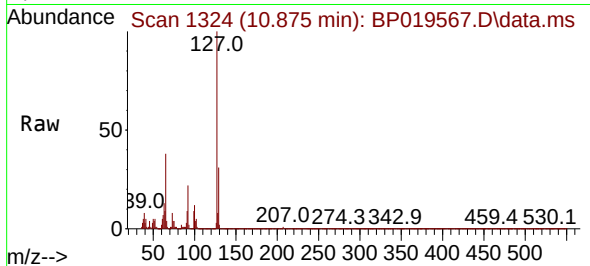




#33
4-Chloroaniline
Concen: 7.680 ng
RT: 10.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

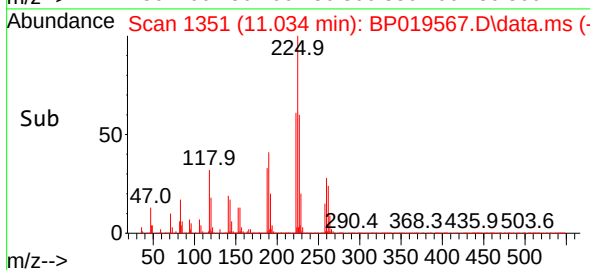
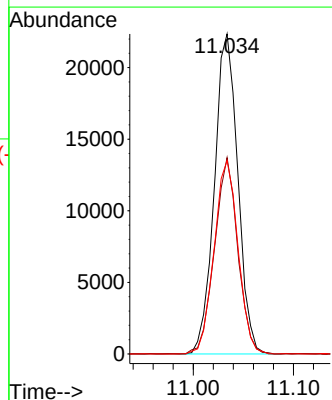
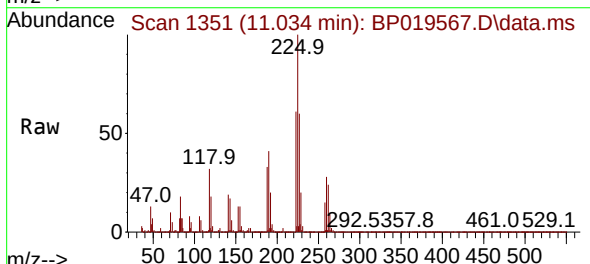
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

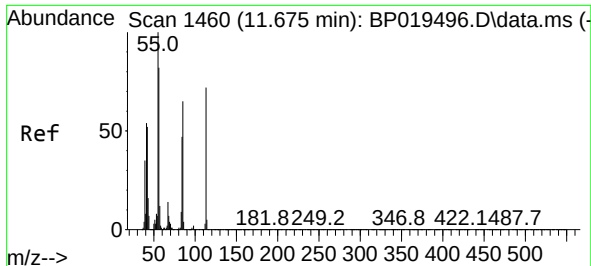
Tgt Ion:	127	Resp:	55773
Ion	Ratio	Lower	Upper
127	100		
129	30.7	24.6	36.8
65	37.9	28.2	42.4
92	21.7	18.9	28.3



#34
Hexachlorobutadiene
Concen: 6.499 ng
RT: 11.034 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion:	225	Resp:	36212
Ion	Ratio	Lower	Upper
225	100		
223	61.3	50.5	75.7
227	60.4	50.2	75.2

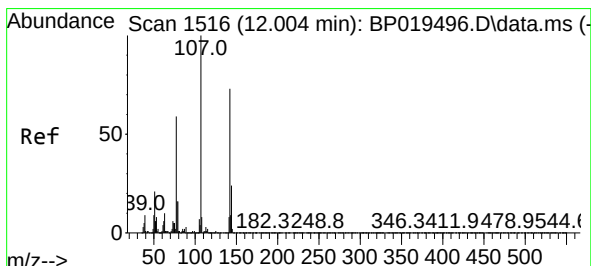
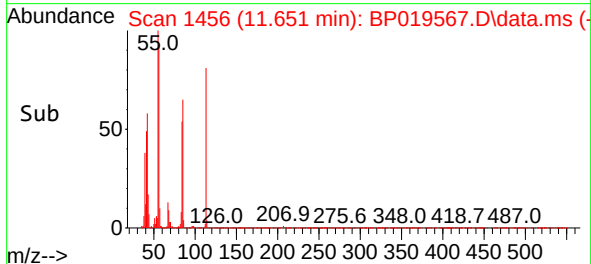
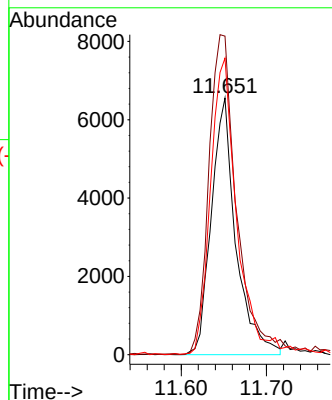
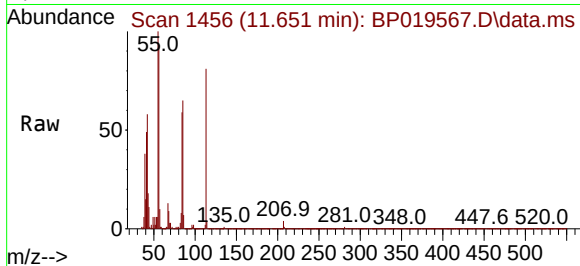




#35
Caprolactam
Concen: 7.537 ng
RT: 11.651 min Scan# 1456
Delta R.T. -0.023 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

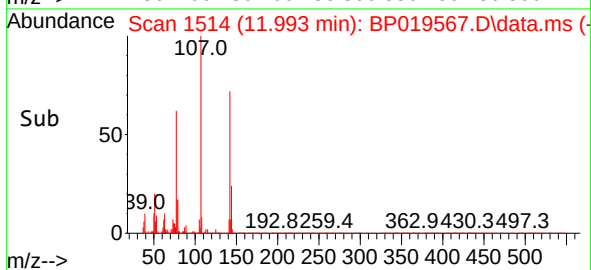
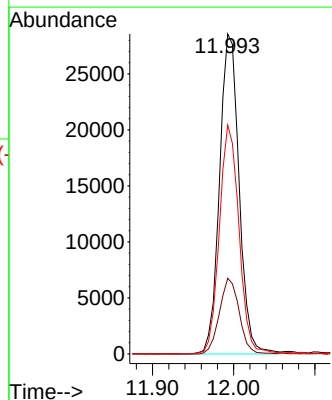
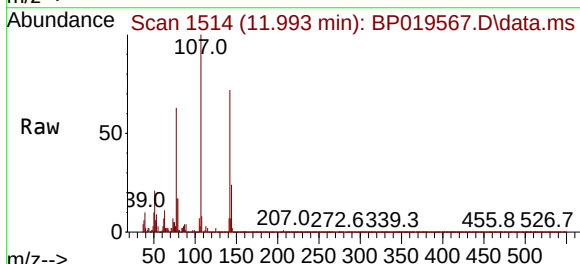
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

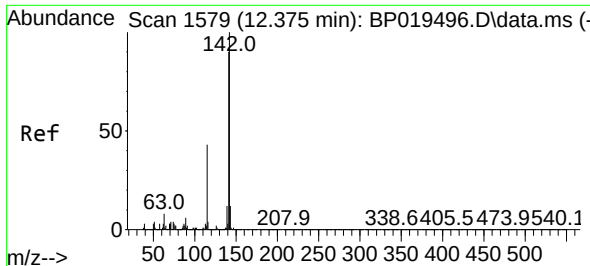
Tgt Ion	Ratio	Lower	Upper
113	100		
55	124.2	120.0	160.0
56	115.6	94.0	134.0



#36
4-Chloro-3-methylphenol
Concen: 7.160 ng
RT: 11.993 min Scan# 1514
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.6	19.0	28.4
142	71.6	58.6	88.0

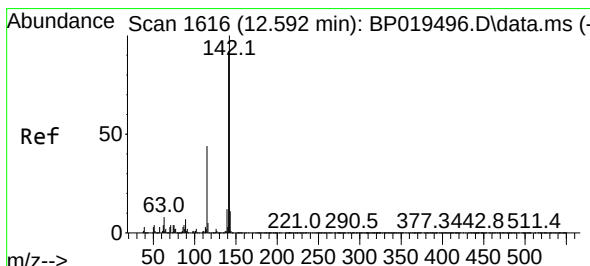
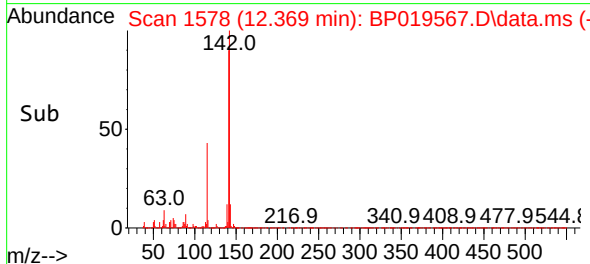
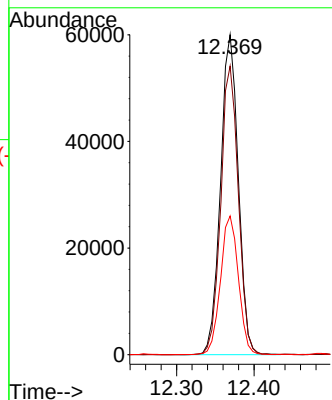
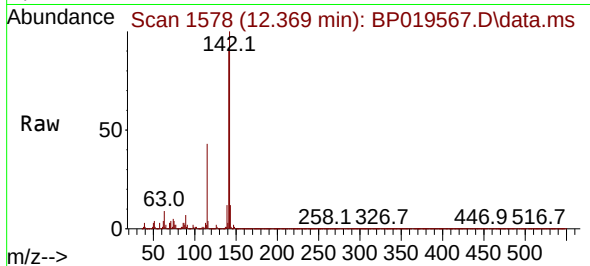




#37
2-Methylnaphthalene
Concen: 7.034 ng
RT: 12.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

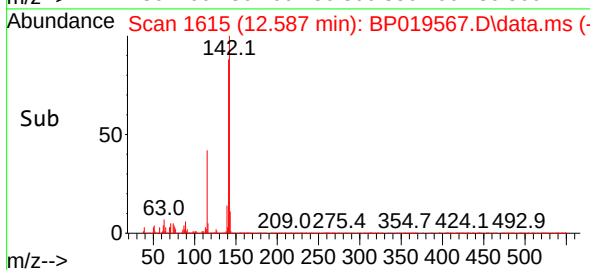
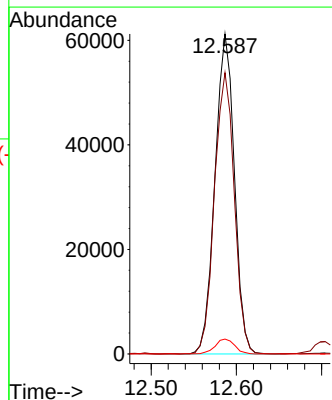
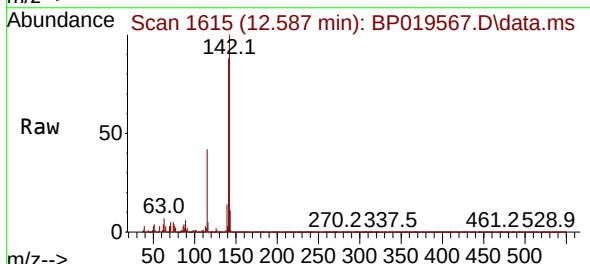
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

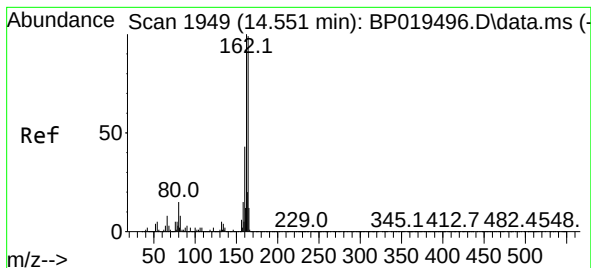
Tgt Ion:142 Resp: 95592
Ion Ratio Lower Upper
142 100
141 90.2 72.2 108.4
115 43.3 34.2 51.2



#38
1-Methylnaphthalene
Concen: 7.257 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion:142 Resp: 96918
Ion Ratio Lower Upper
142 100
141 87.9 74.0 111.0
116 4.7 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.545 min Scan# 1948

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

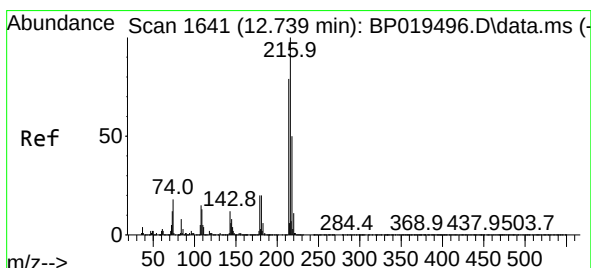
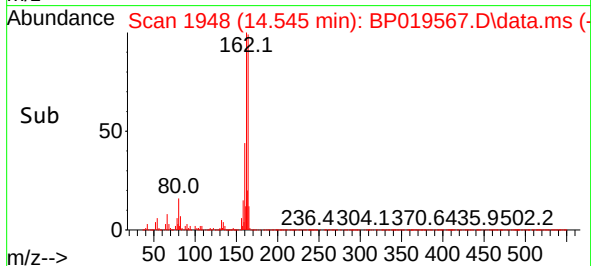
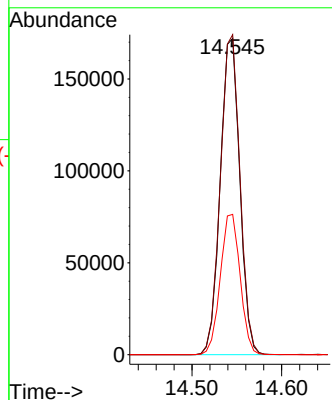
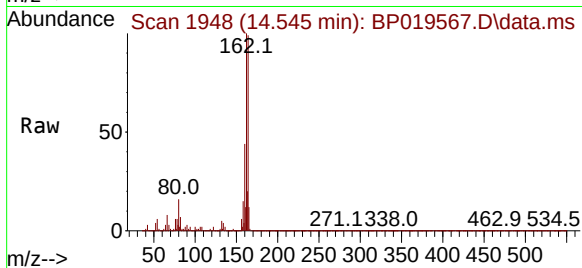
Tgt Ion:164 Resp: 259830

Ion Ratio Lower Upper

164 100

162 101.2 81.2 121.8

160 44.4 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 6.493 ng

RT: 12.728 min Scan# 1639

Delta R.T. -0.012 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Tgt Ion:216 Resp: 65063

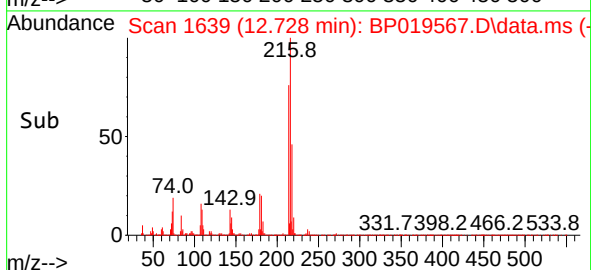
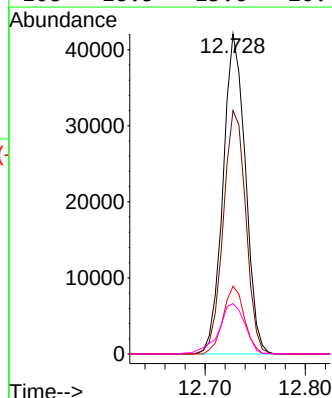
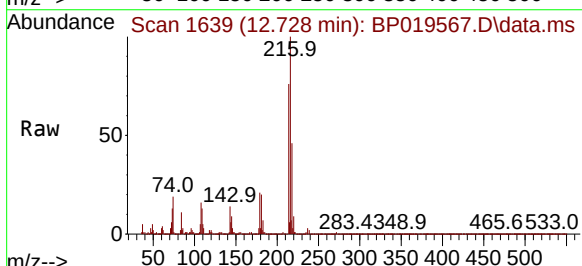
Ion Ratio Lower Upper

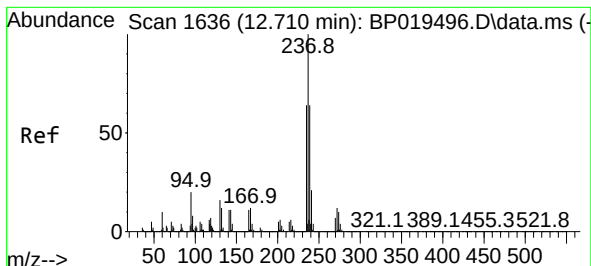
216 100

214 76.6 62.8 94.2

179 20.2 16.6 24.8

108 18.5 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 7.363 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

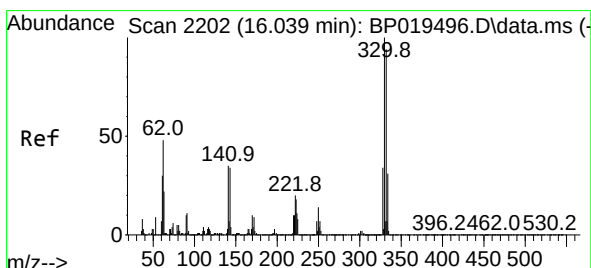
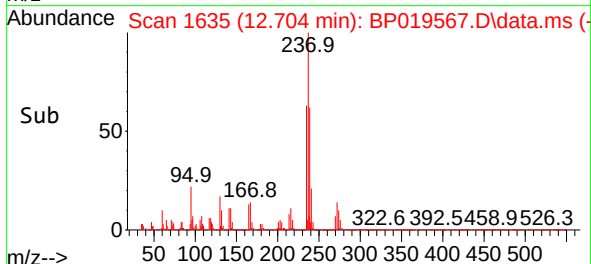
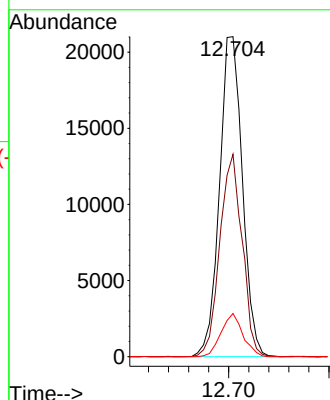
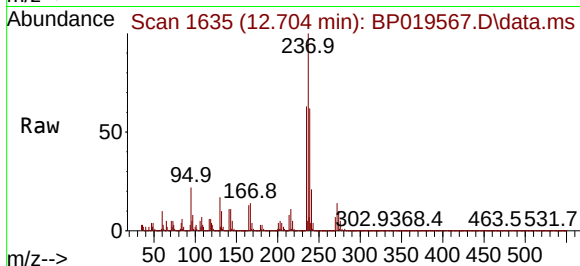
Tgt Ion:237 Resp: 33332

Ion Ratio Lower Upper

237 100

235 63.3 43.7 83.7

272 13.5 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 107.493 ng

RT: 16.039 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

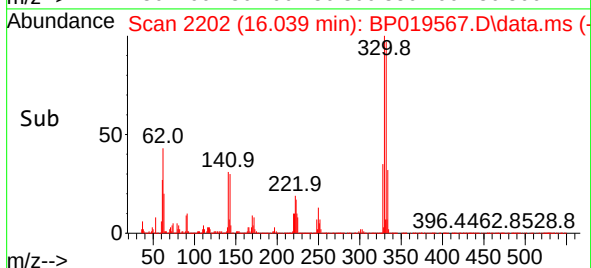
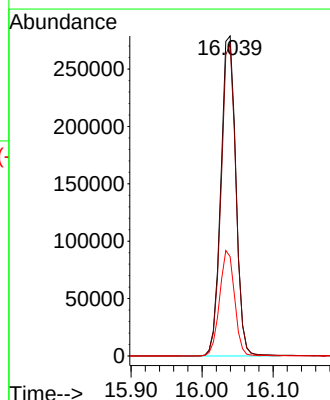
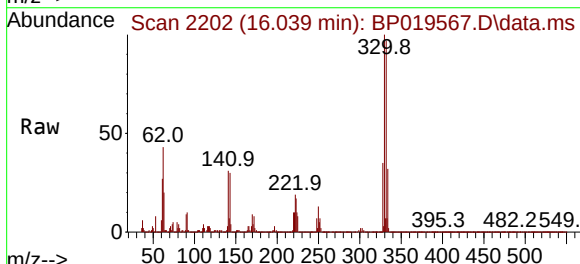
Tgt Ion:330 Resp: 407798

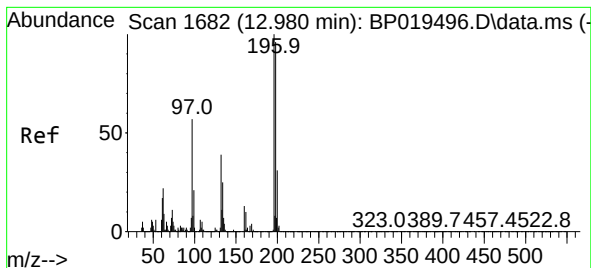
Ion Ratio Lower Upper

330 100

332 96.4 77.2 115.8

141 32.9 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 6.112 ng

RT: 12.975 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

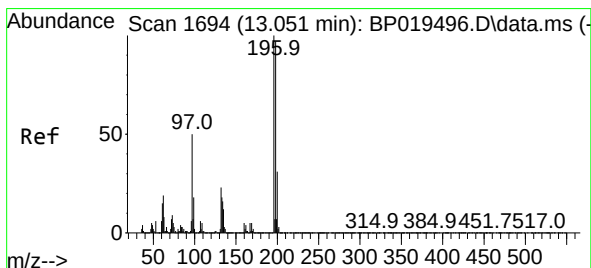
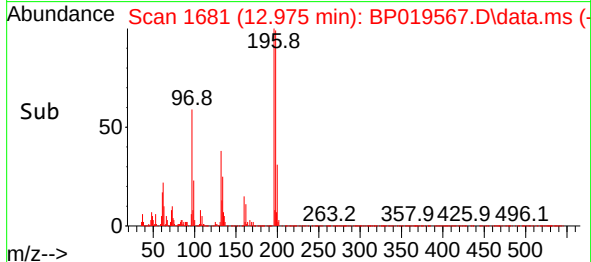
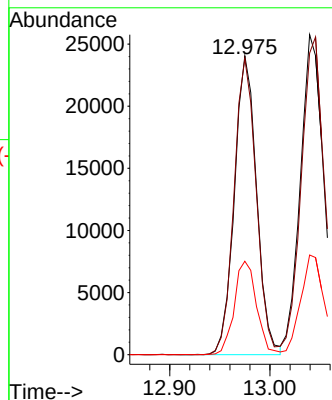
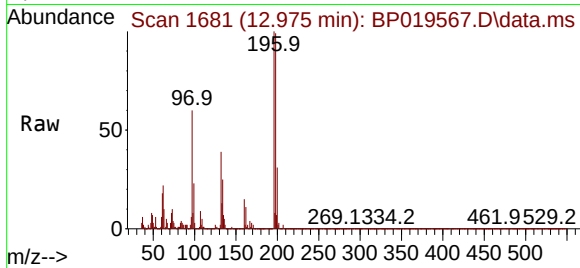
Tgt Ion:196 Resp: 37084

Ion Ratio Lower Upper

196 100

198 99.1 76.7 115.1

200 31.3 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 6.303 ng

RT: 13.040 min Scan# 1692

Delta R.T. -0.012 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Tgt Ion:196 Resp: 41995

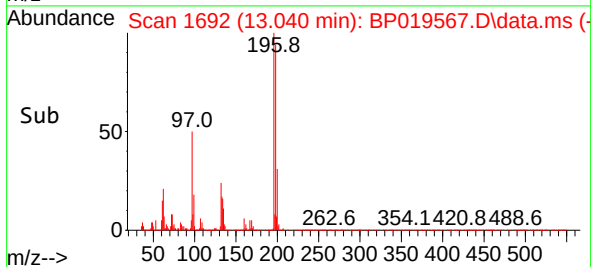
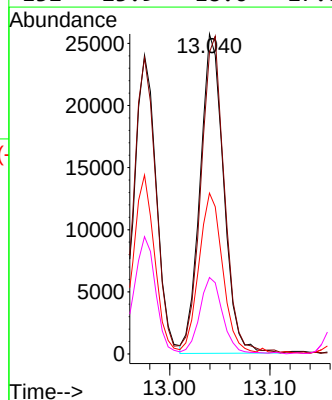
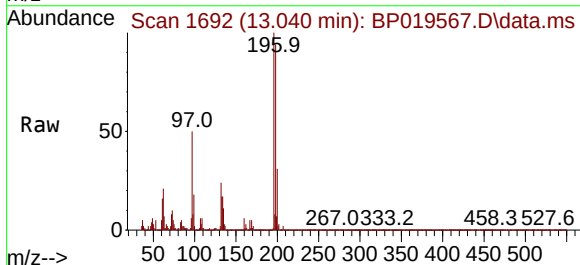
Ion Ratio Lower Upper

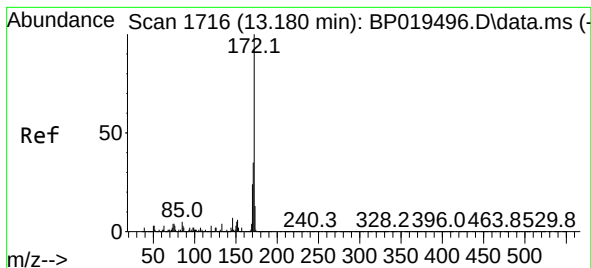
196 100

198 94.3 77.5 116.3

97 50.2 39.9 59.9

132 23.9 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 64.363 ng

RT: 13.175 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

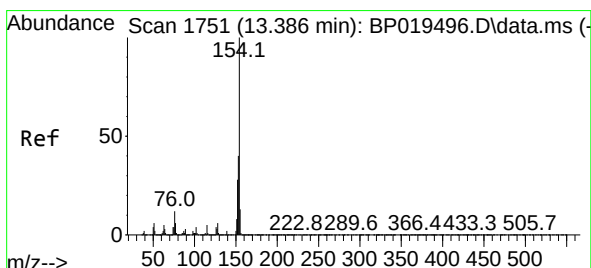
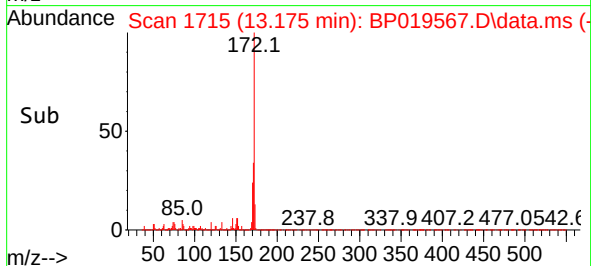
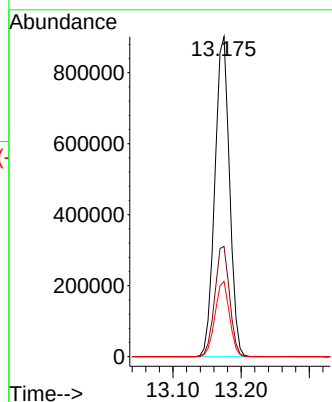
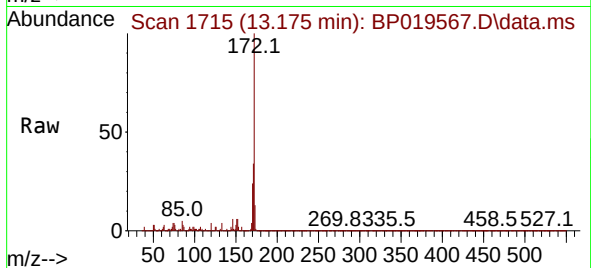
Tgt Ion:172 Resp: 1352773

Ion Ratio Lower Upper

172 100

171 34.4 28.2 42.4

170 23.5 18.9 28.3



#46

1,1'-Biphenyl

Concen: 6.854 ng

RT: 13.381 min Scan# 1750

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

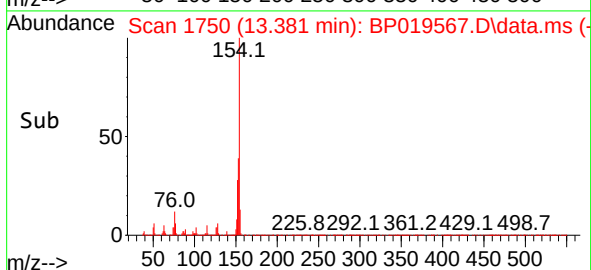
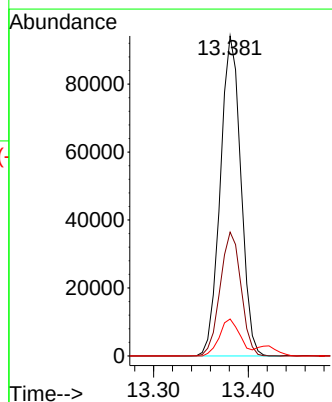
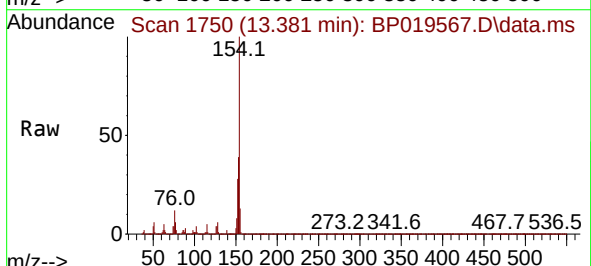
Tgt Ion:154 Resp: 142141

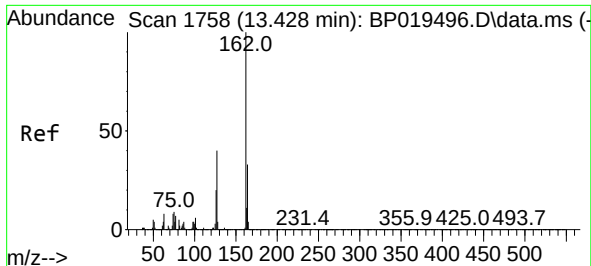
Ion Ratio Lower Upper

154 100

153 38.7 20.2 60.2

76 11.6 0.0 31.6

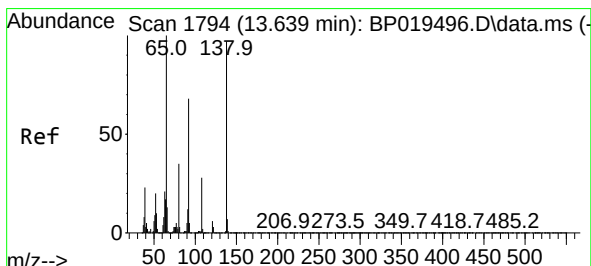
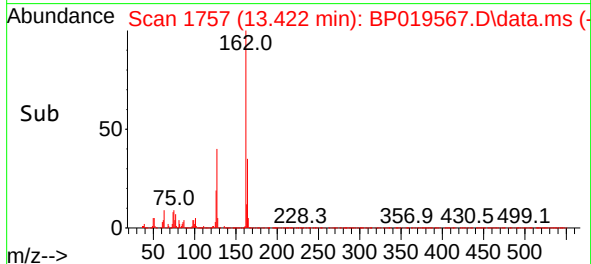
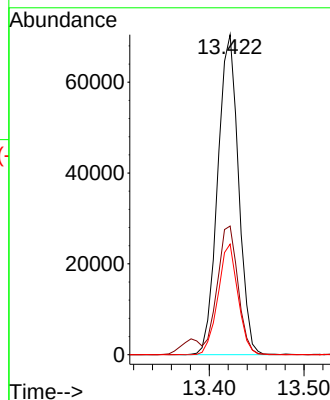
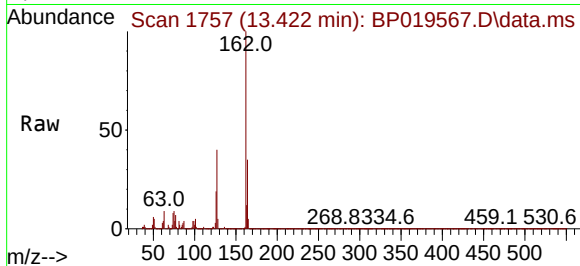




#47
2-Chloronaphthalene
Concen: 6.313 ng
RT: 13.422 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

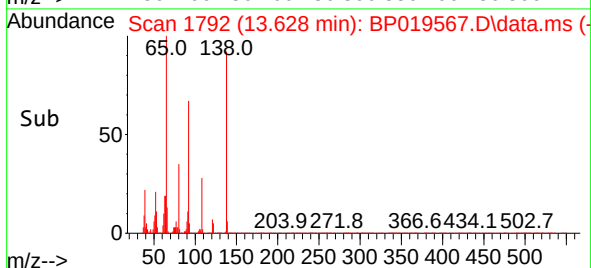
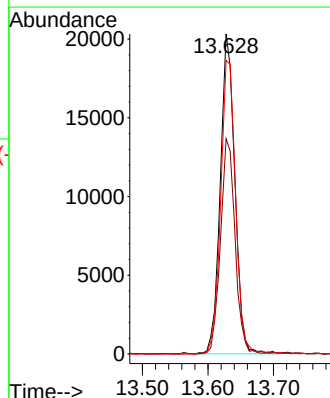
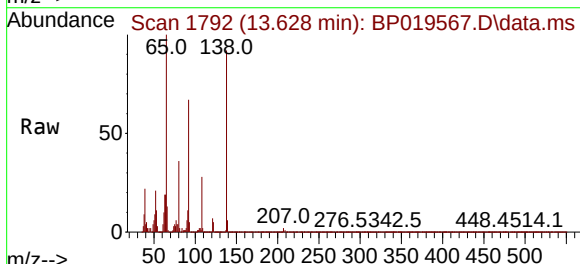
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

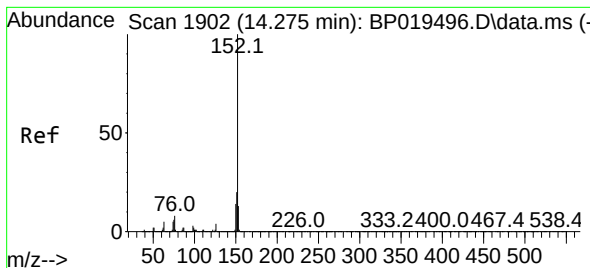
Tgt Ion:162 Resp: 107461
Ion Ratio Lower Upper
162 100
127 40.2 32.1 48.1
164 34.5 26.7 40.1



#48
2-Nitroaniline
Concen: 6.561 ng
RT: 13.628 min Scan# 1792
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion: 65 Resp: 31233
Ion Ratio Lower Upper
65 100
92 67.3 54.7 82.1
138 91.8 77.8 116.6





#49

Acenaphthylene

Concen: 7.363 ng

RT: 14.263 min Scan# 1902

Delta R.T. -0.012 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

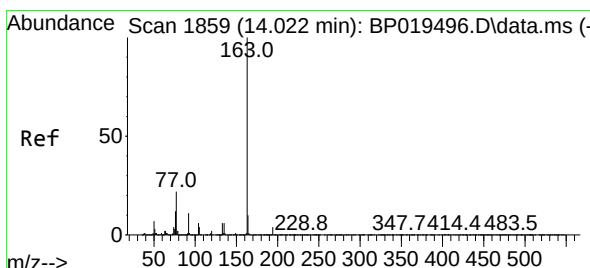
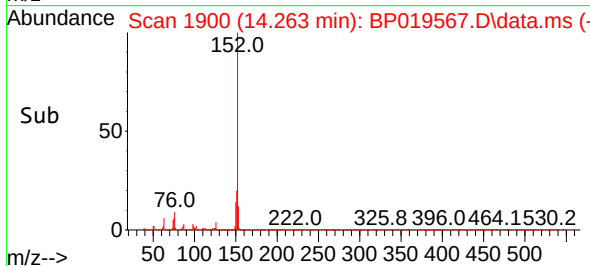
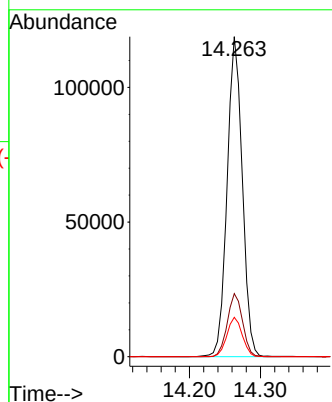
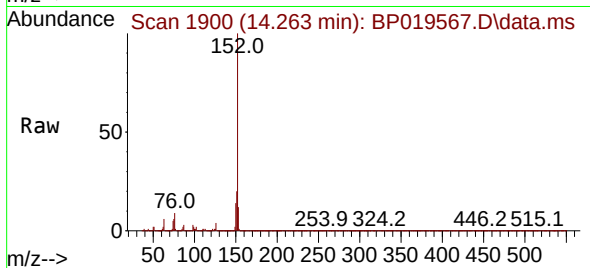
Tgt Ion:152 Resp: 175841

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

153 12.3 10.6 15.8



#50

Dimethylphthalate

Concen: 7.140 ng

RT: 14.010 min Scan# 1857

Delta R.T. -0.012 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

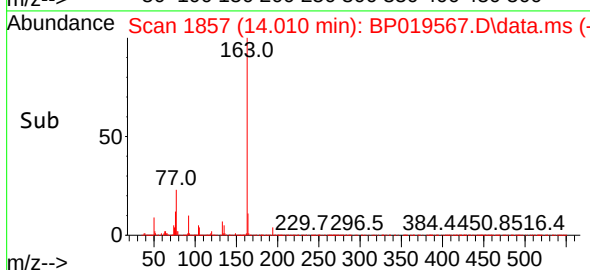
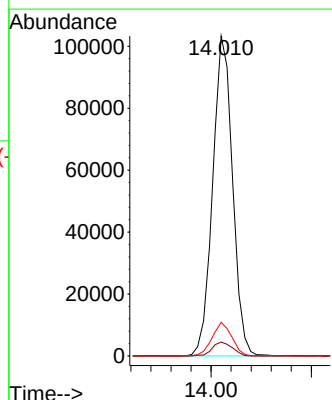
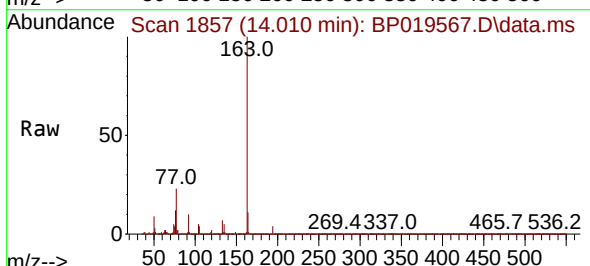
Tgt Ion:163 Resp: 142029

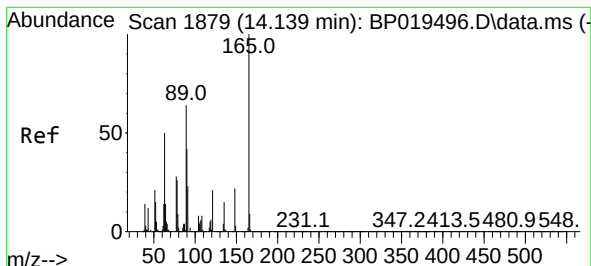
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

164 10.5 7.8 11.6





#51

2,6-Dinitrotoluene

Concen: 6.644 ng

RT: 14.134 min Scan# 1879

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

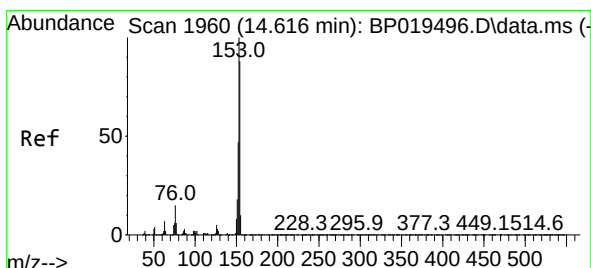
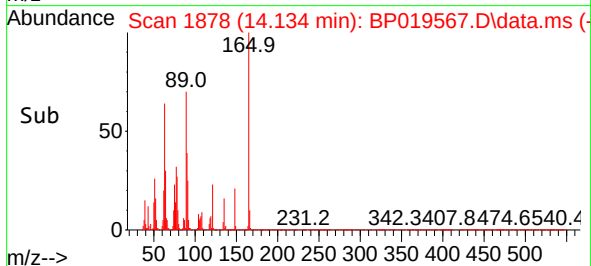
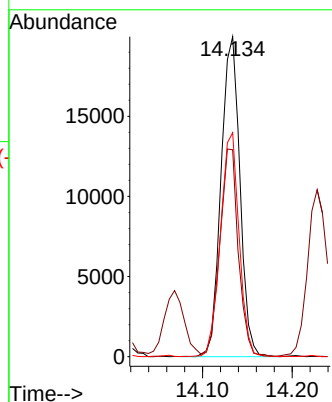
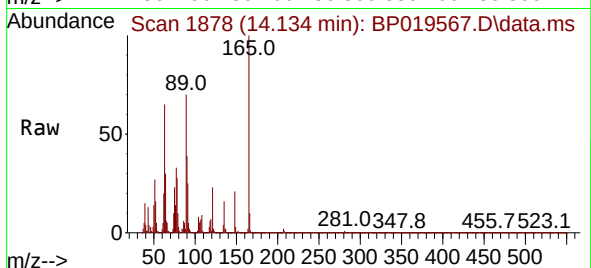
Tgt Ion:165 Resp: 29035

Ion Ratio Lower Upper

165 100

63 64.6 50.4 75.6

89 70.0 51.7 77.5



#52

Acenaphthene

Concen: 6.793 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.012 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

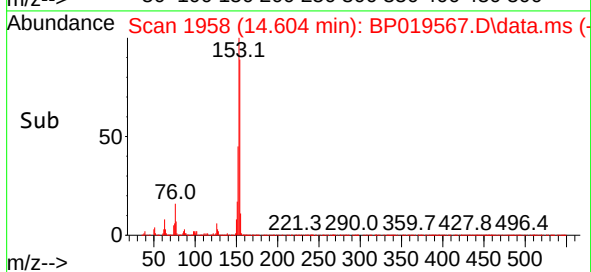
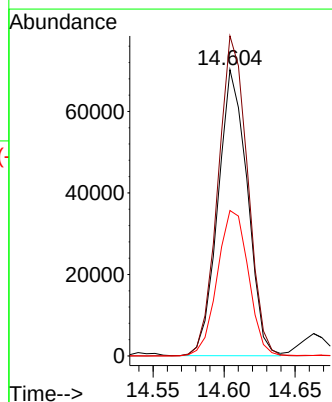
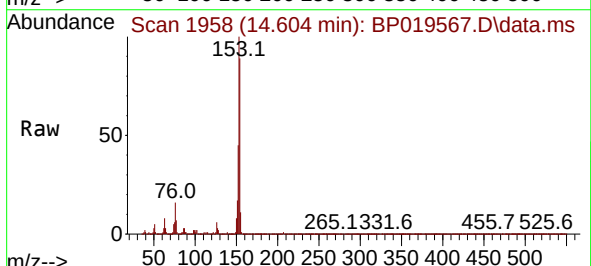
Tgt Ion:154 Resp: 100697

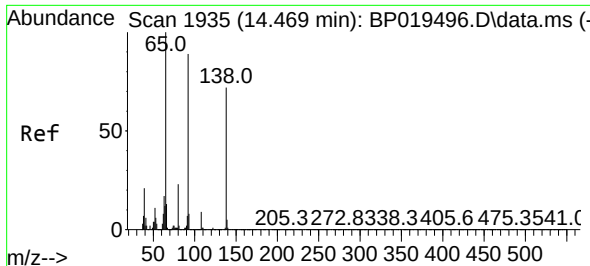
Ion Ratio Lower Upper

154 100

153 111.8 90.5 135.7

152 50.8 42.1 63.1

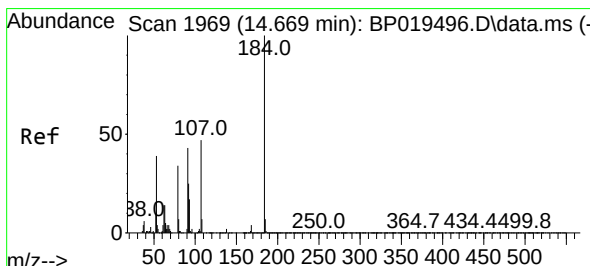
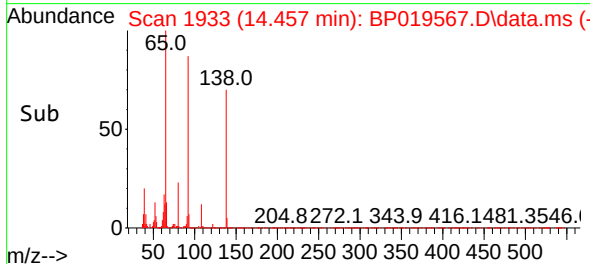
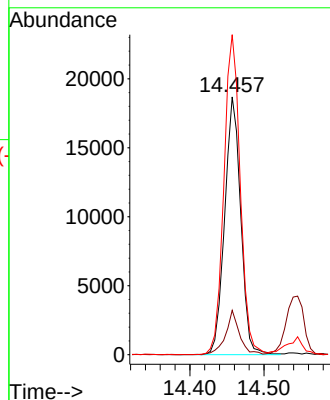
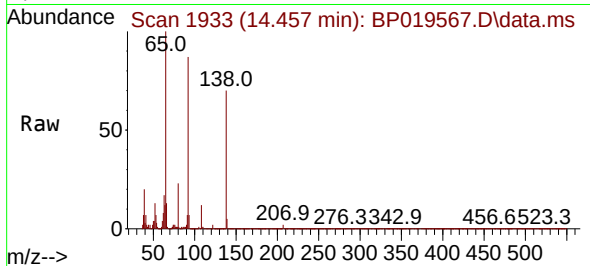




#53
3-Nitroaniline
Concen: 6.993 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

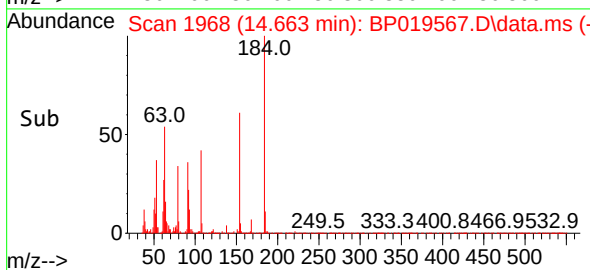
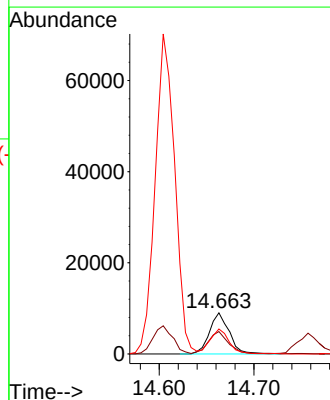
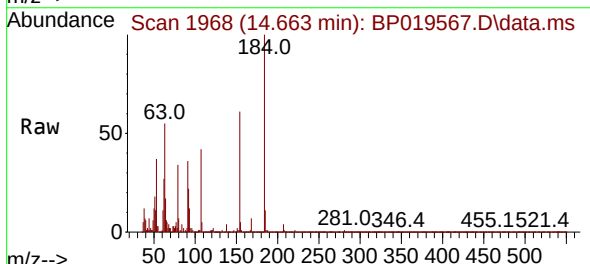
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

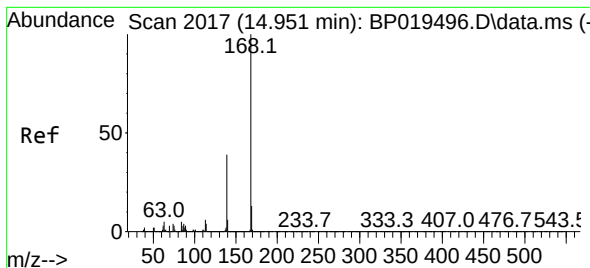
Tgt Ion:138 Resp: 28083
Ion Ratio Lower Upper
138 100
108 17.2 9.7 14.5#
92 124.1 98.0 147.0



#54
2,4-Dinitrophenol
Concen: 5.743 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion:184 Resp: 13032
Ion Ratio Lower Upper
184 100
63 54.6 50.5 75.7
154 60.9 53.4 80.0





#55

Dibenzenofuran

Concen: 7.198 ng

RT: 14.945 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

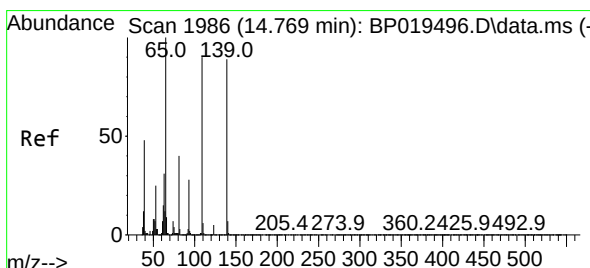
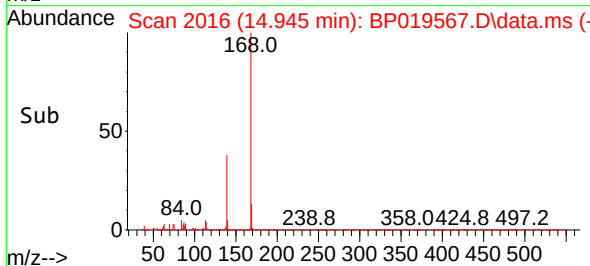
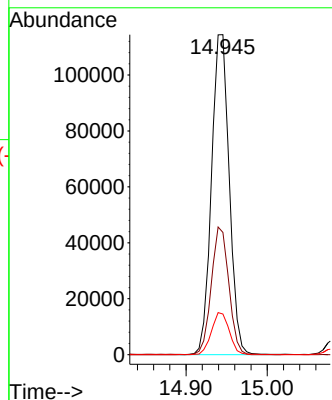
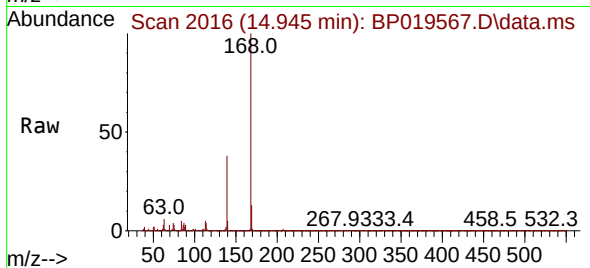
Tgt Ion:168 Resp: 173786

Ion Ratio Lower Upper

168 100

139 38.2 31.5 47.3

169 12.7 10.3 15.5



#56

4-Nitrophenol

Concen: 6.401 ng

RT: 14.757 min Scan# 1984

Delta R.T. -0.012 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

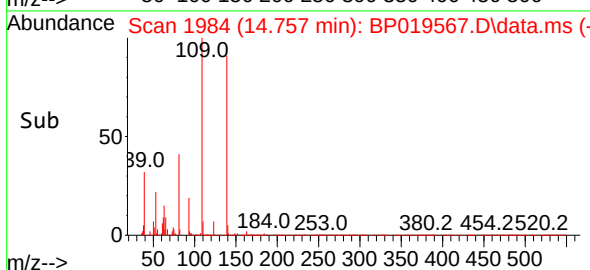
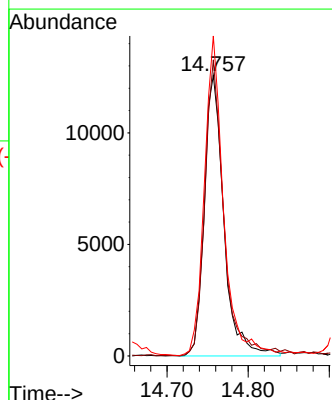
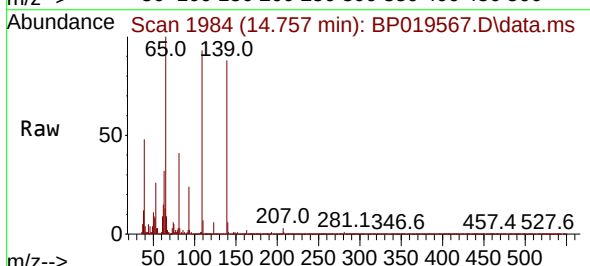
Tgt Ion:139 Resp: 21072

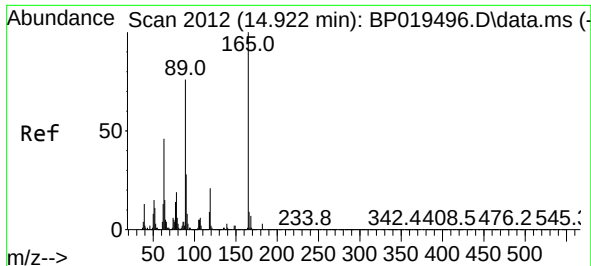
Ion Ratio Lower Upper

139 100

109 105.5 82.0 122.0

65 114.0 92.9 132.9

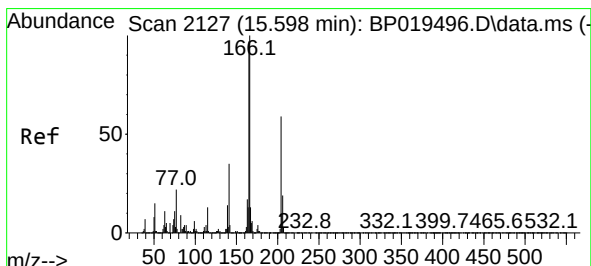
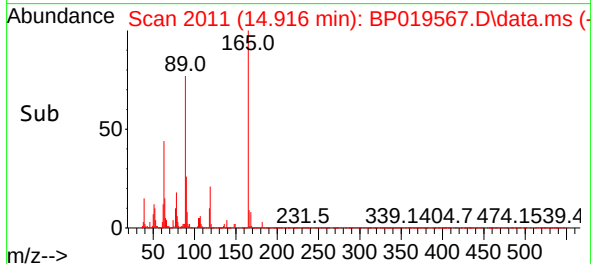
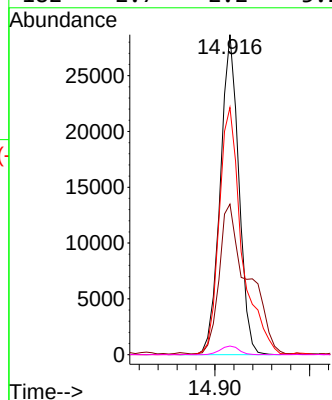
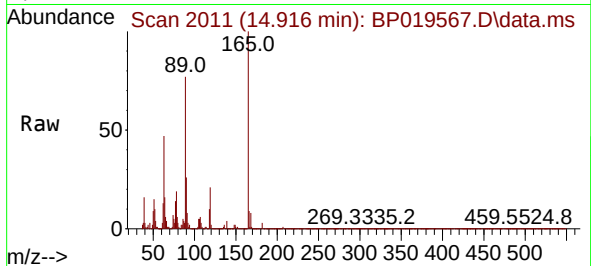




#57
2,4-Dinitrotoluene
Concen: 6.811 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

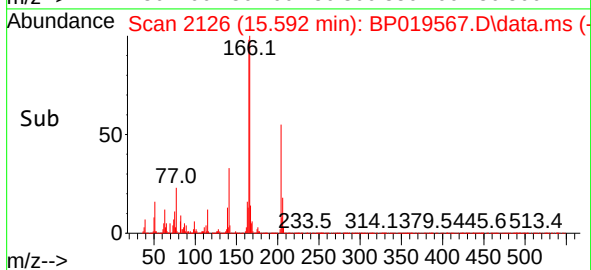
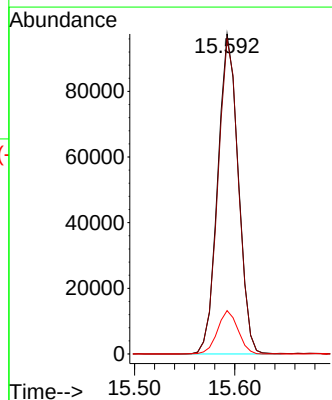
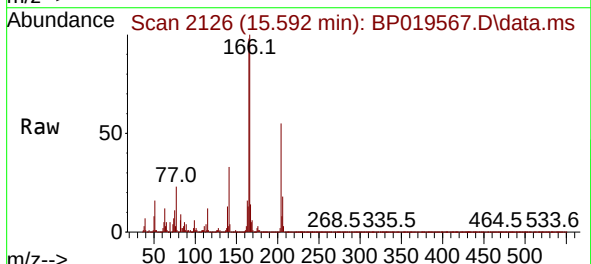
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

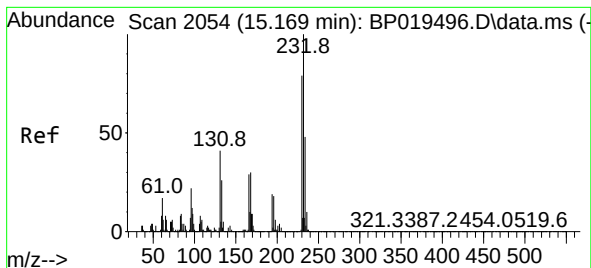
Tgt Ion:	165	Resp:	39007
Ion Ratio	Lower	Upper	
165	100		
63	47.1	36.9	55.3
89	77.3	61.1	91.7
182	2.7	2.2	3.2



#58
Fluorene
Concen: 7.202 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion:	166	Resp:	138479
Ion Ratio	Lower	Upper	
166	100		
165	98.5	77.8	116.8
167	13.5	10.7	16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 7.192 ng

RT: 15.163 min Scan# 2054

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

Tgt Ion:232 Resp: 40307

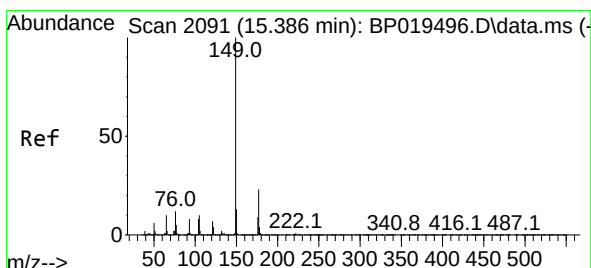
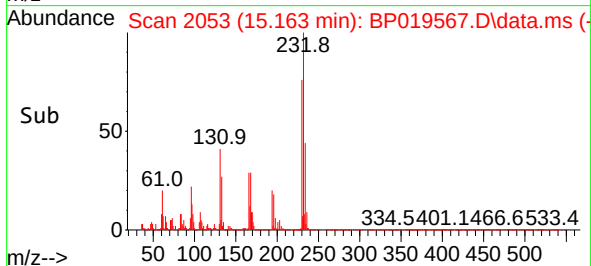
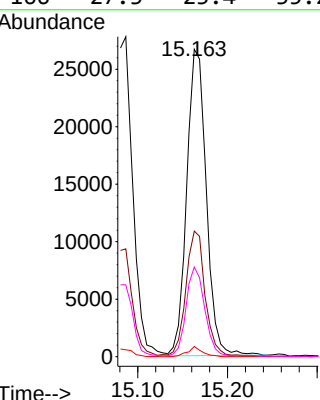
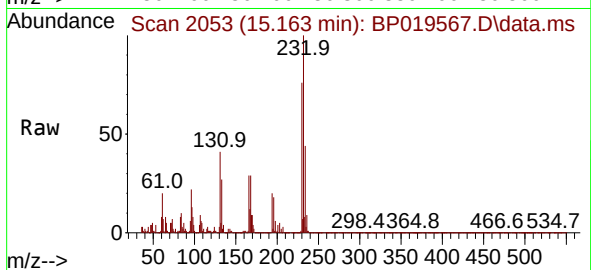
Ion Ratio Lower Upper

232 100

131 40.6 32.4 48.6

130 2.5 1.9 2.9

166 27.3 23.4 35.2



#60

Diethylphthalate

Concen: 7.196 ng

RT: 15.381 min Scan# 2090

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

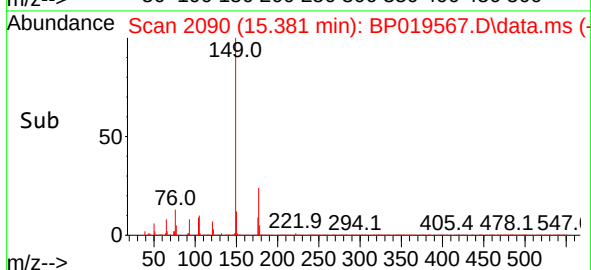
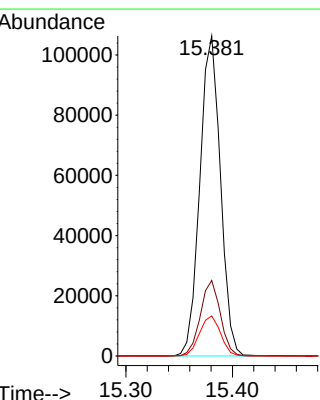
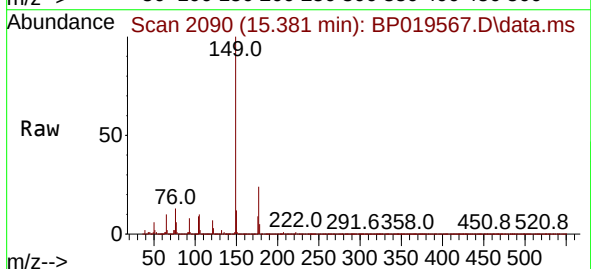
Tgt Ion:149 Resp: 142370

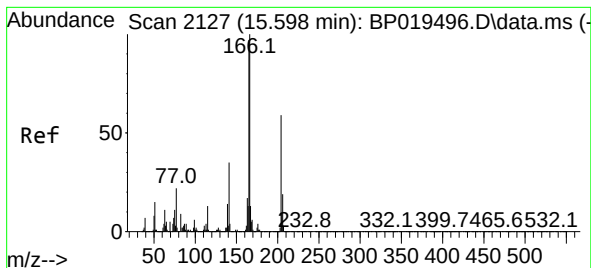
Ion Ratio Lower Upper

149 100

177 23.6 18.2 27.2

150 12.5 10.2 15.4

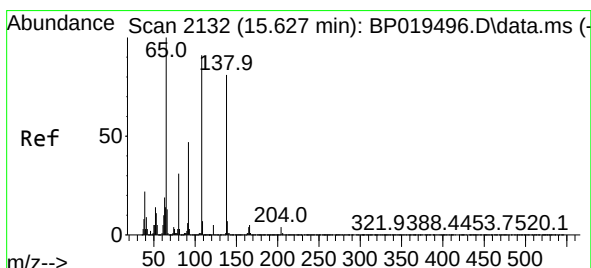
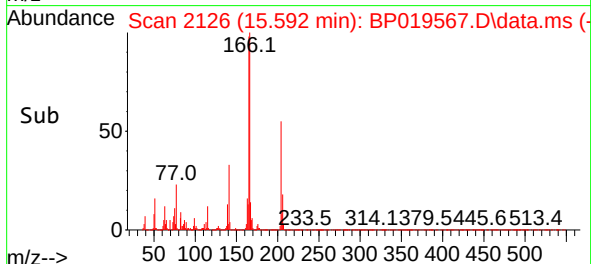
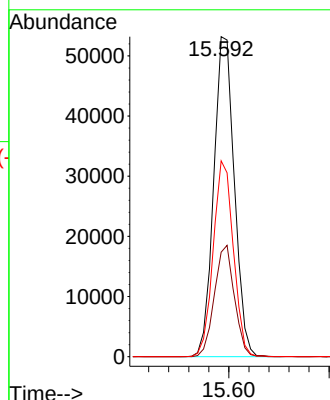
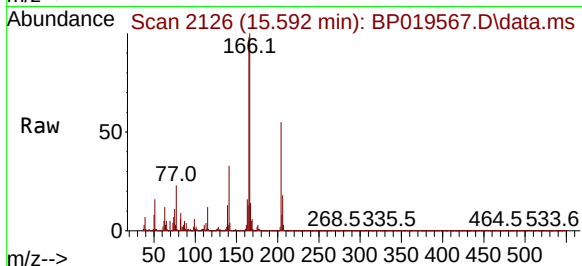




#61
4-Chlorophenyl-phenylether
Concen: 7.037 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

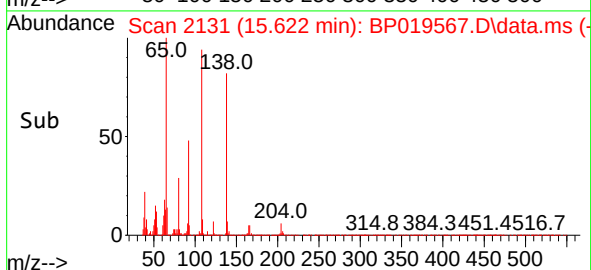
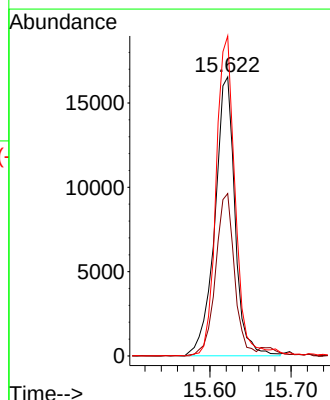
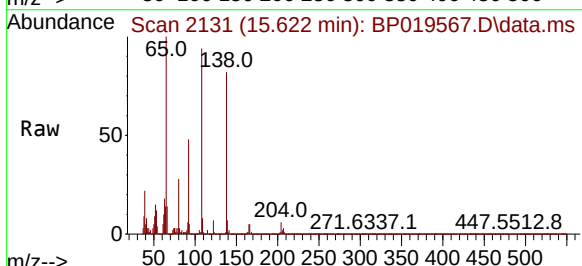
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

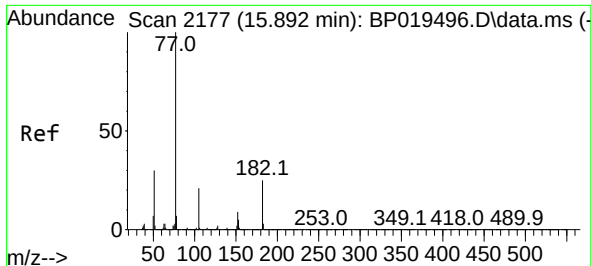
Tgt Ion:204 Resp: 76053
Ion Ratio Lower Upper
204 100
206 32.6 26.5 39.7
141 61.2 48.5 72.7



#62
4-Nitroaniline
Concen: 6.797 ng
RT: 15.622 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion:138 Resp: 28615
Ion Ratio Lower Upper
138 100
92 58.2 38.3 78.3
108 114.6 91.2 131.2

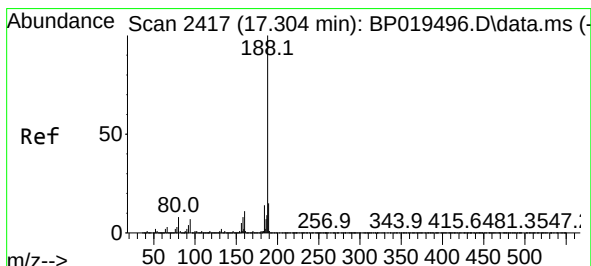
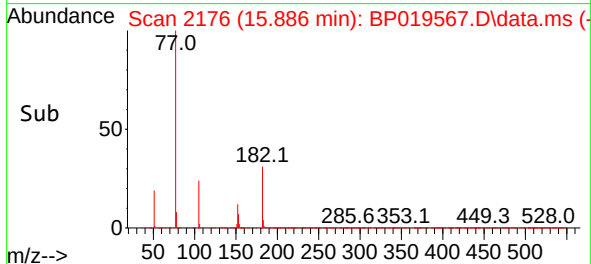
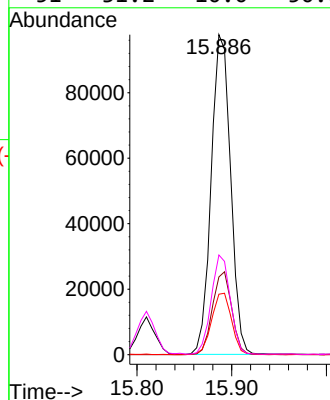
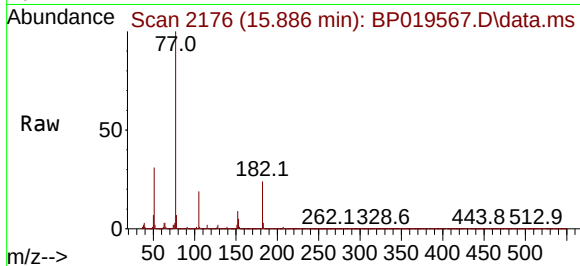




#63
Azobenzene
Concen: 7.273 ng
RT: 15.886 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

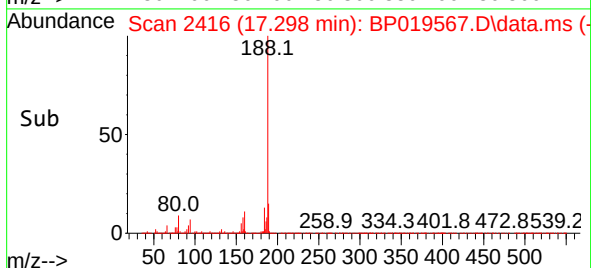
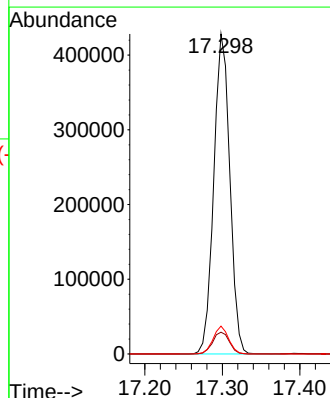
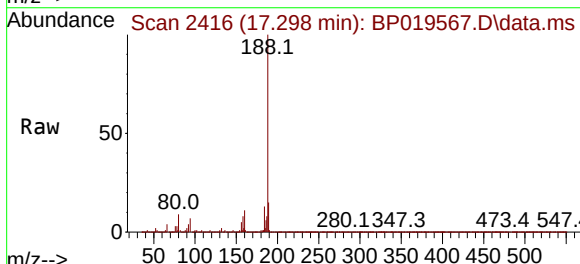
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

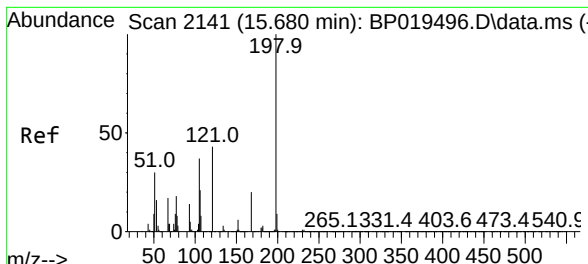
Tgt Ion: 77	Resp: 139153
Ion Ratio	Lower Upper
77 100	
182 24.3	5.1 45.1
105 18.9	0.8 40.8
51 31.2	10.0 50.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion:188	Resp: 616406
Ion Ratio	Lower Upper
188 100	
94 6.8	5.4 8.2
80 8.7	6.3 9.5

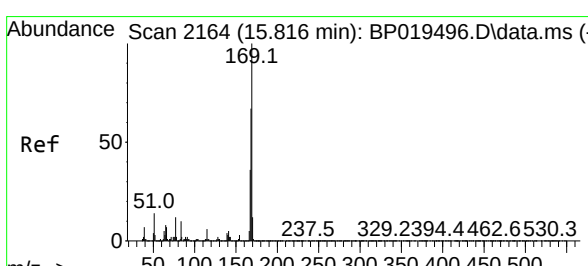
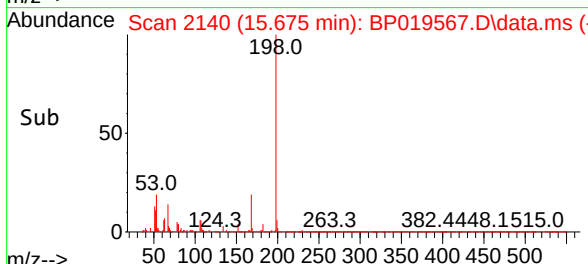
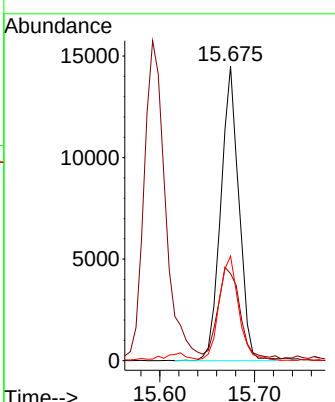
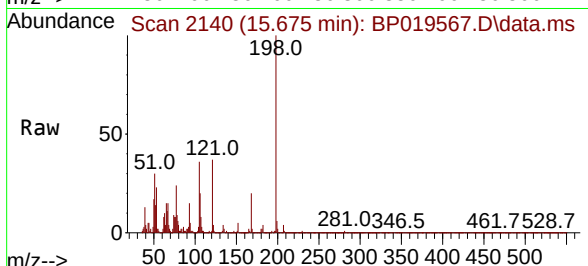




#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.478 ng
 RT: 15.675 min Scan# 2140
 Delta R.T. -0.006 min
 Lab File: BP019567.D
 Acq: 06 Feb 2024 11:22

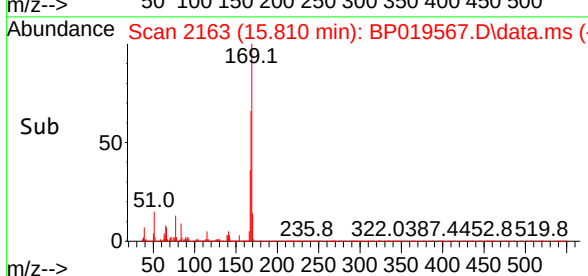
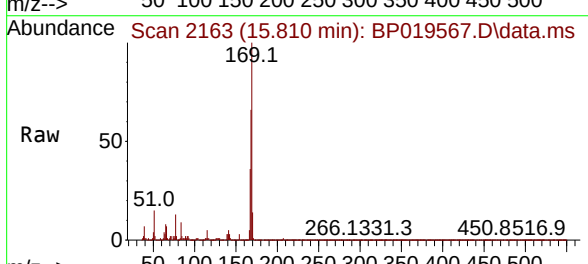
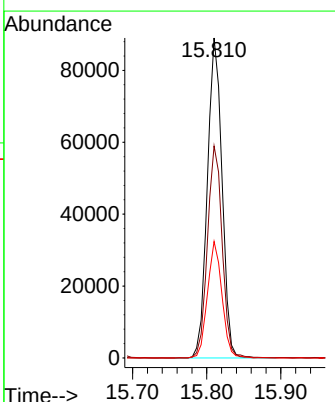
Instrument : BNA_P
 ClientSampleId : MDL-SOIL-03-QT4-2023

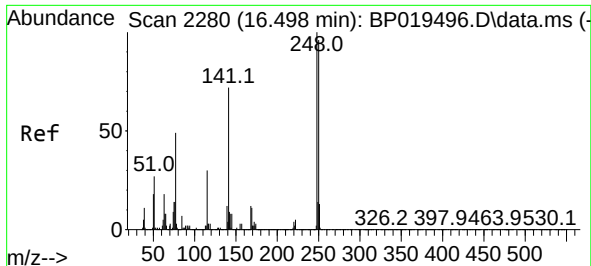
Tgt Ion:	198	Resp:	19255
Ion	Ratio	Lower	Upper
198	100		
51	29.6	21.2	61.2
105	35.5	19.1	59.1



#66
 n-Nitrosodiphenylamine
 Concen: 6.611 ng
 RT: 15.810 min Scan# 2163
 Delta R.T. -0.006 min
 Lab File: BP019567.D
 Acq: 06 Feb 2024 11:22

Tgt Ion:	169	Resp:	122048
Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.4	80.2
167	36.4	28.9	43.3

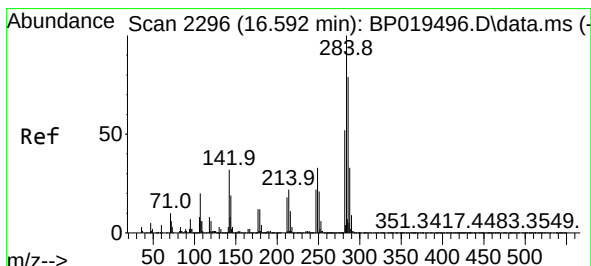
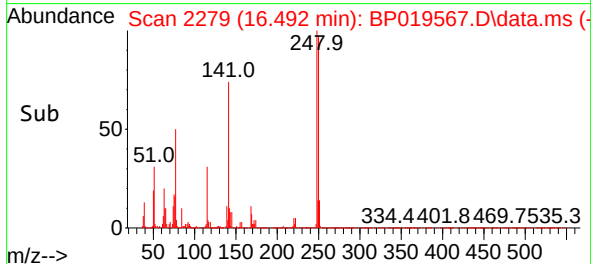
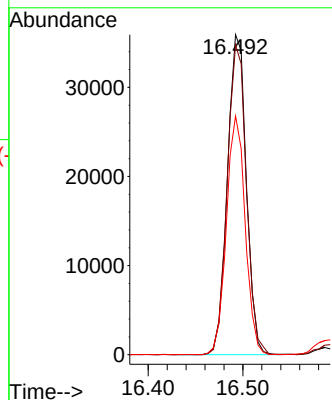
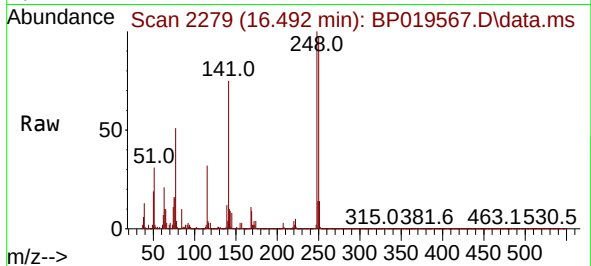




#67
4-Bromophenyl-phenylether
Concen: 6.460 ng
RT: 16.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

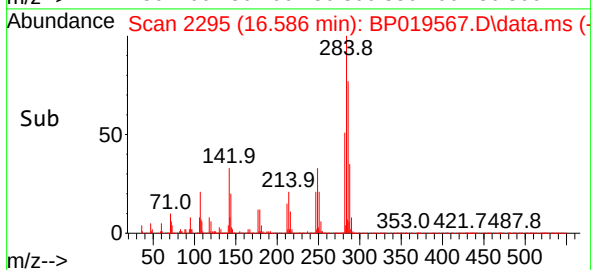
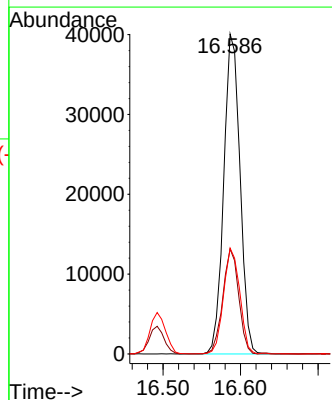
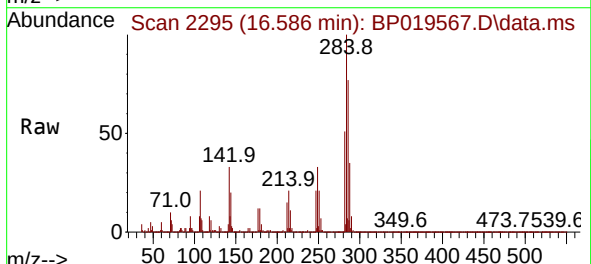
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

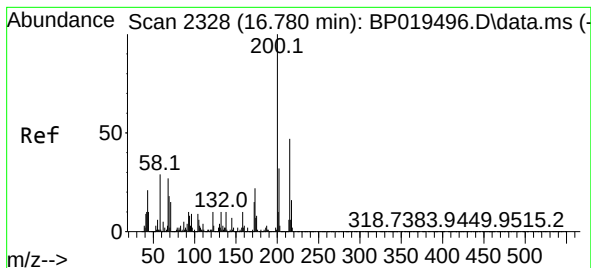
Tgt Ion:248 Resp: 49776
Ion Ratio Lower Upper
248 100
250 96.8 76.9 115.3
141 74.6 58.0 87.0



#68
Hexachlorobenzene
Concen: 6.506 ng
RT: 16.586 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion:284 Resp: 58546
Ion Ratio Lower Upper
284 100
142 32.8 25.4 38.2
249 35.7 26.5 39.7





#69

Atrazine

Concen: 8.165 ng

RT: 16.775 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

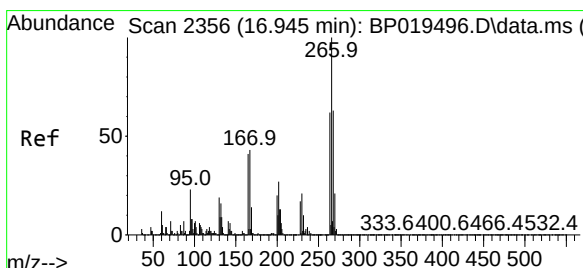
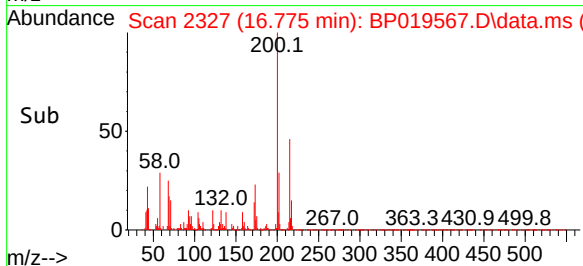
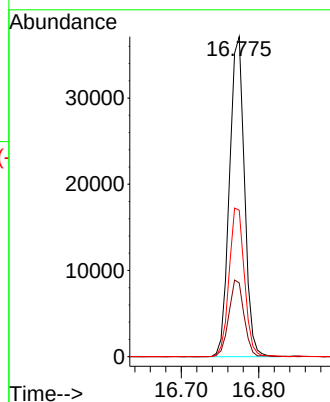
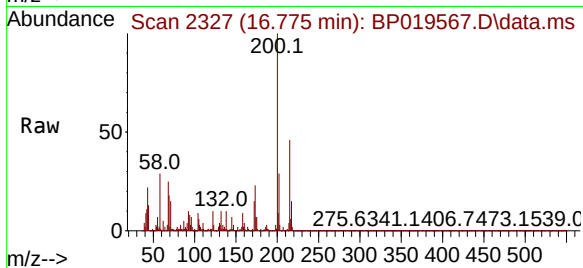
Tgt Ion:200 Resp: 50018

Ion Ratio Lower Upper

200 100

173 23.1 1.7 41.7

215 45.8 26.9 66.9



#70

Pentachlorophenol

Concen: 5.260 ng

RT: 16.939 min Scan# 2355

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

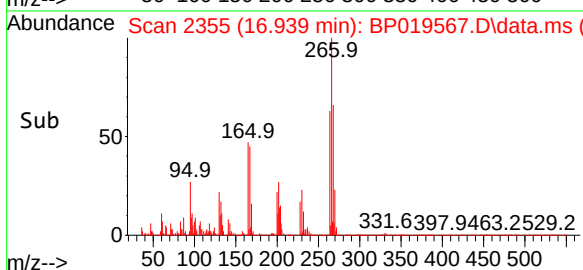
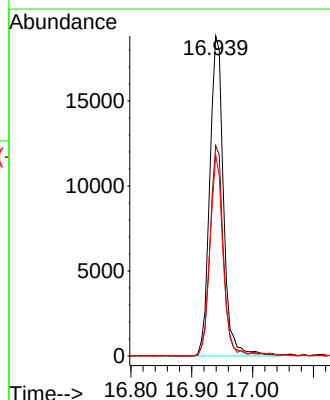
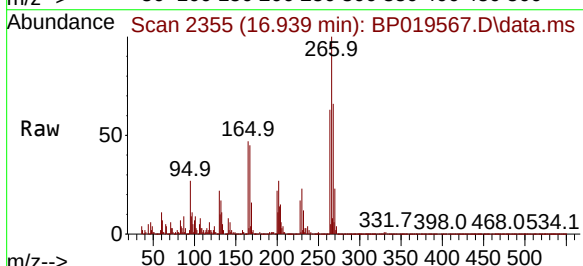
Tgt Ion:266 Resp: 29476

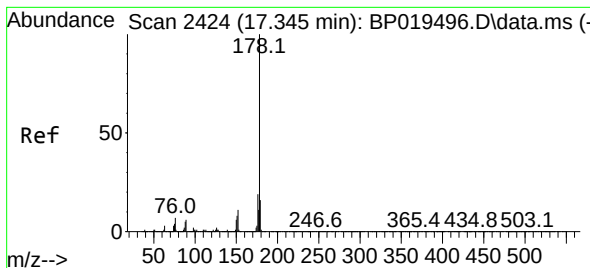
Ion Ratio Lower Upper

266 100

268 65.8 50.3 75.5

264 62.7 49.7 74.5





#71

Phenanthrene

Concen: 6.977 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

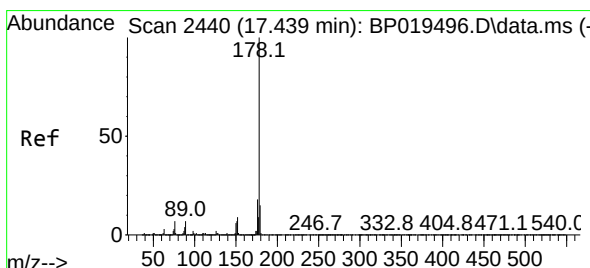
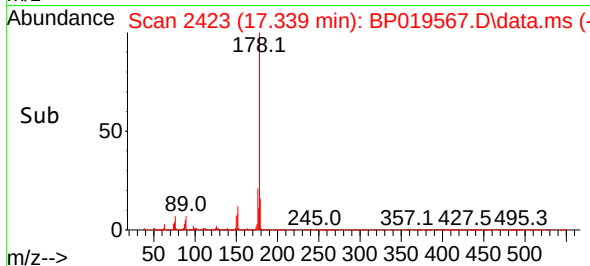
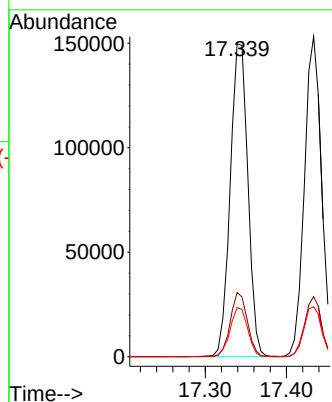
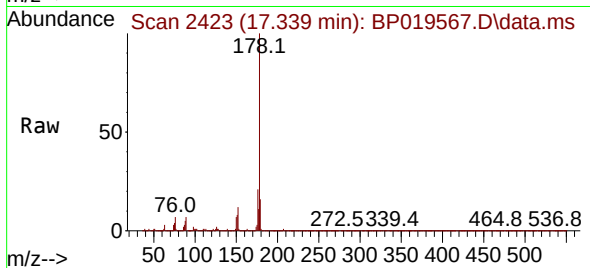
Tgt Ion:178 Resp: 226320

Ion Ratio Lower Upper

178 100

176 20.5 15.5 23.3

179 15.7 12.6 19.0



#72

Anthracene

Concen: 6.952 ng

RT: 17.433 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

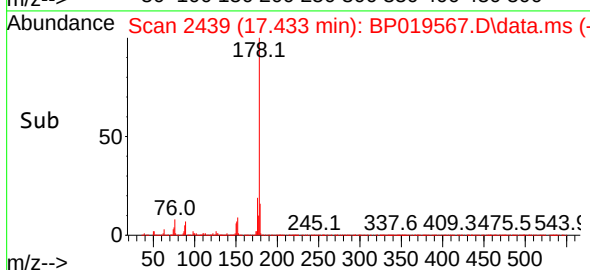
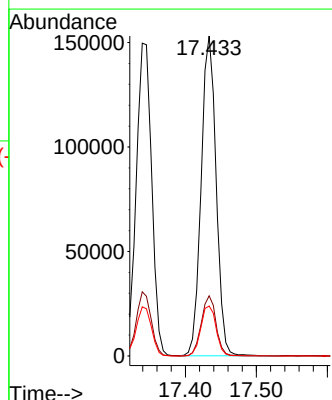
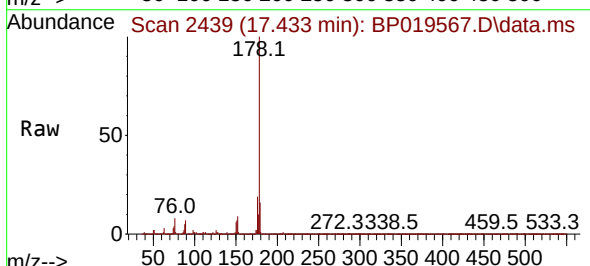
Tgt Ion:178 Resp: 224968

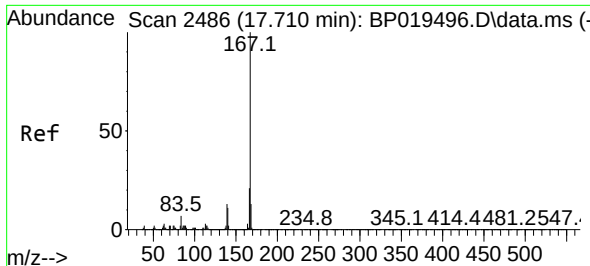
Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

179 15.6 12.2 18.2

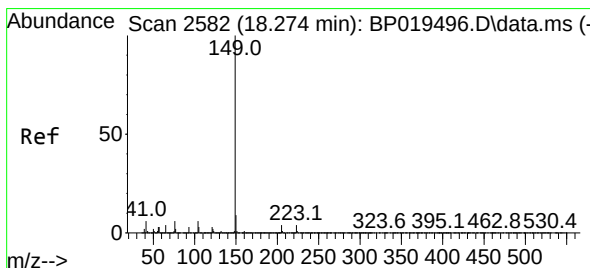
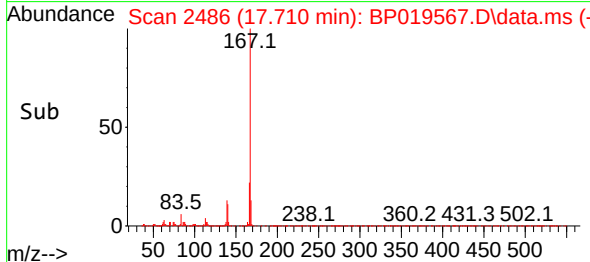
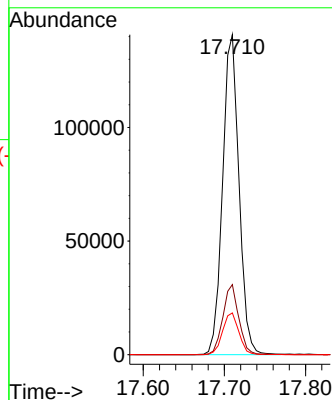
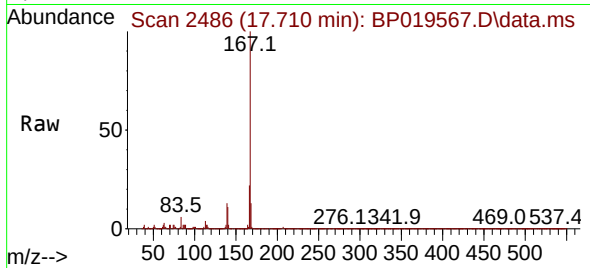




#73
 Carbazole
 Concen: 6.719 ng
 RT: 17.710 min Scan# 2486
 Delta R.T. 0.000 min
 Lab File: BP019567.D
 Acq: 06 Feb 2024 11:22

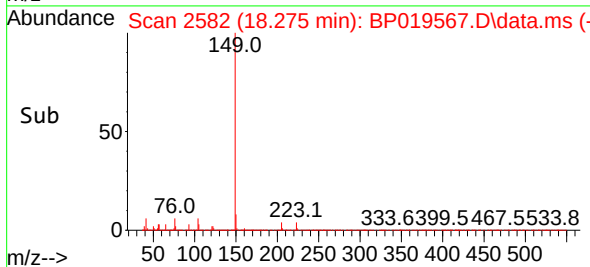
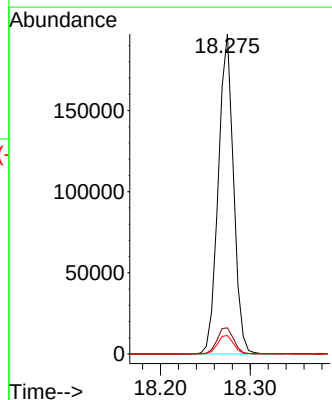
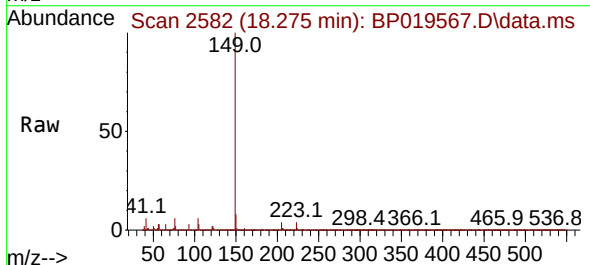
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2023

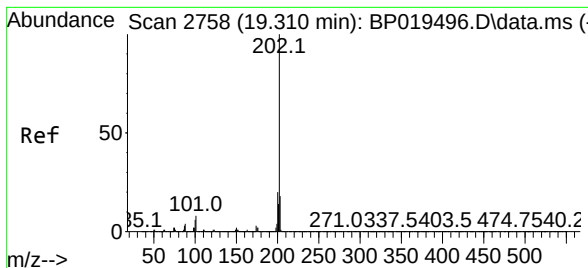
Tgt Ion:	167	Resp:	197531
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.2	25.8
139	13.0	10.6	15.8



#74
 Di-n-butylphthalate
 Concen: 6.533 ng
 RT: 18.275 min Scan# 2582
 Delta R.T. 0.000 min
 Lab File: BP019567.D
 Acq: 06 Feb 2024 11:22

Tgt Ion:	149	Resp:	232233
Ion	Ratio	Lower	Upper
149	100		
150	8.1	7.3	10.9
104	5.8	4.8	7.2





#75

Fluoranthene

Concen: 6.830 ng

RT: 19.310 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

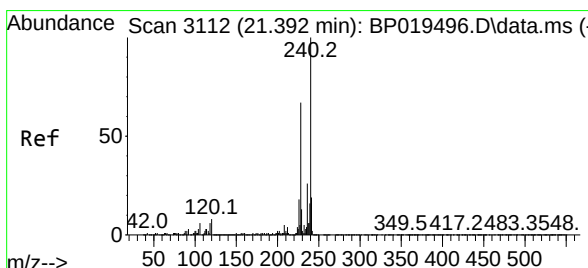
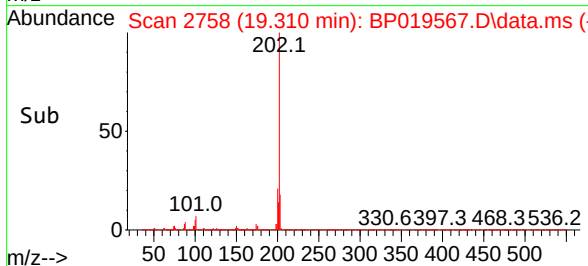
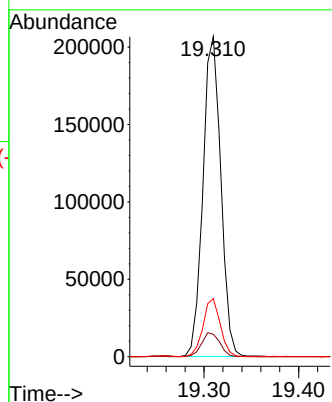
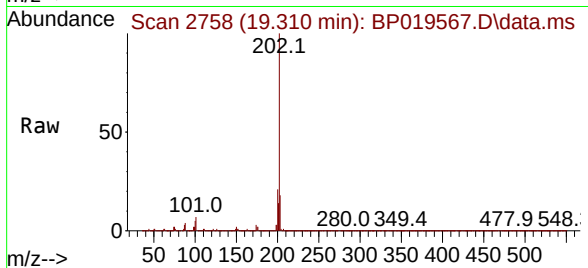
Tgt Ion:202 Resp: 270671

Ion Ratio Lower Upper

202 100

101 7.0 0.0 27.7

203 18.2 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.392 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

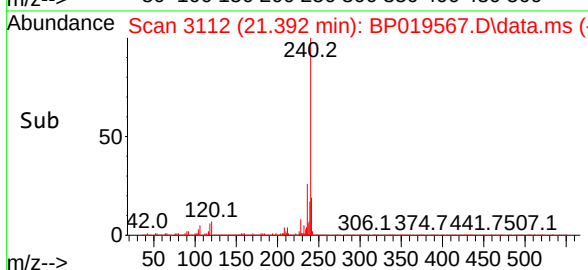
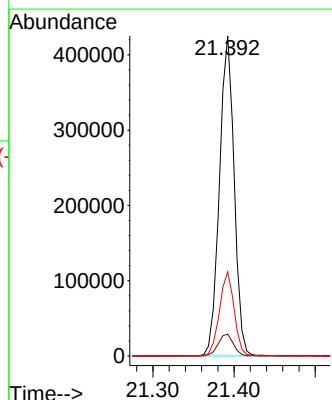
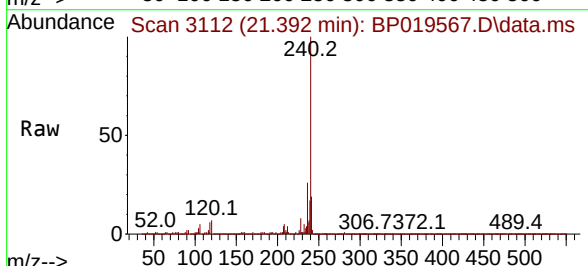
Tgt Ion:240 Resp: 537216

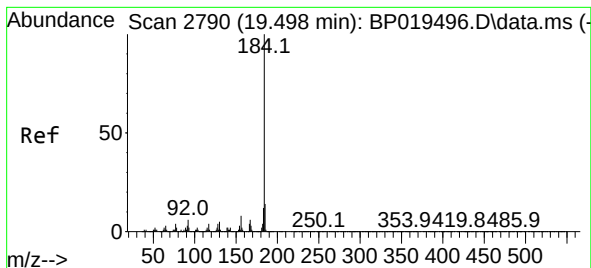
Ion Ratio Lower Upper

240 100

120 6.8 6.1 9.1

236 26.3 20.7 31.1





#77

Benzidine

Concen: 8.596 ng

RT: 19.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

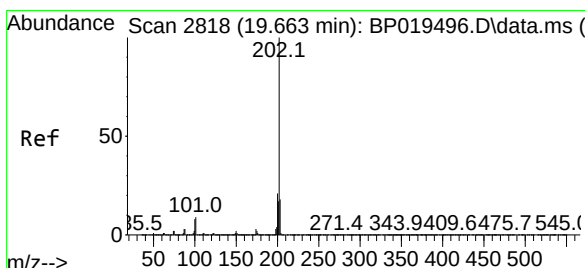
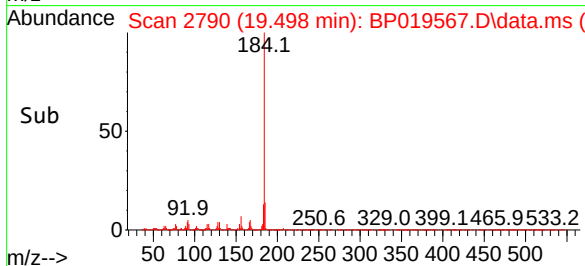
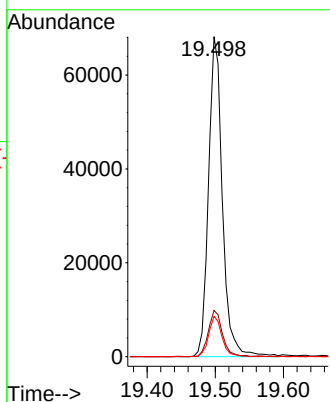
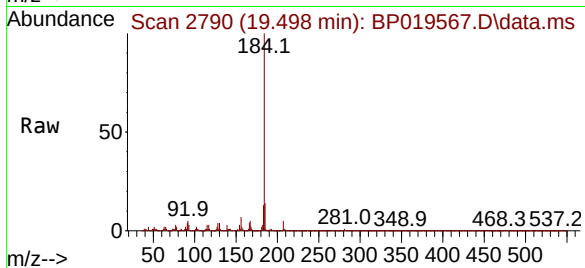
Tgt Ion:184 Resp: 96548

Ion Ratio Lower Upper

184 100

185 14.5 11.1 16.7

183 12.6 9.7 14.5



#78

Pyrene

Concen: 7.464 ng

RT: 19.663 min Scan# 2818

Delta R.T. 0.000 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

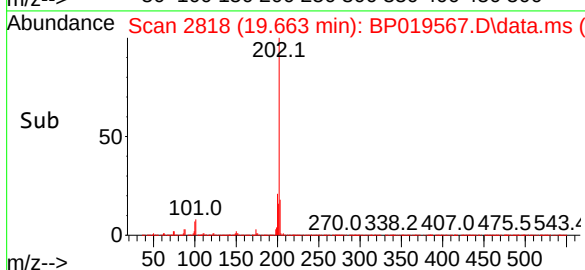
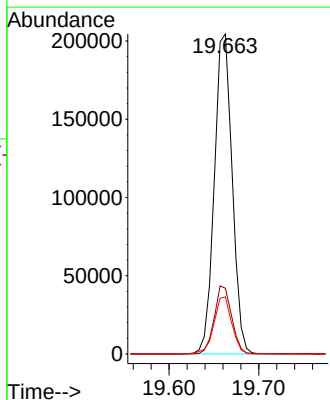
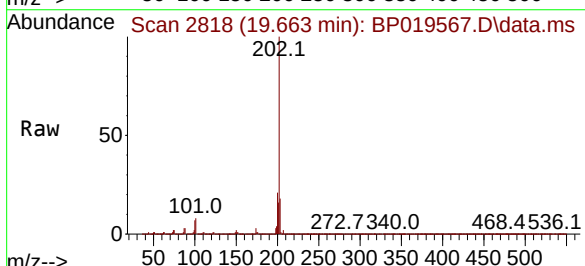
Tgt Ion:202 Resp: 282997

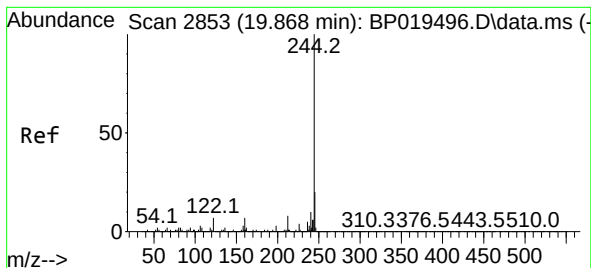
Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

203 17.8 14.2 21.2





#79

Terphenyl-d14

Concen: 77.093 ng

RT: 19.869 min Scan# 2853

Delta R.T. 0.000 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

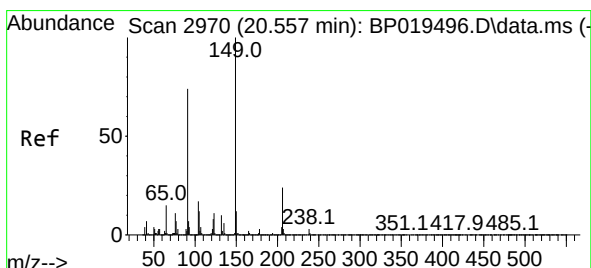
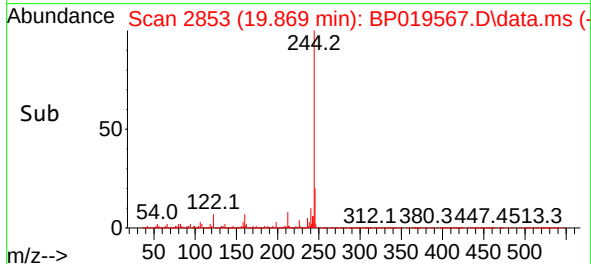
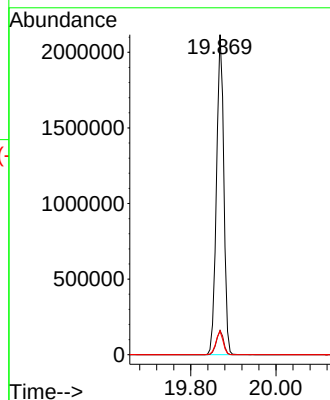
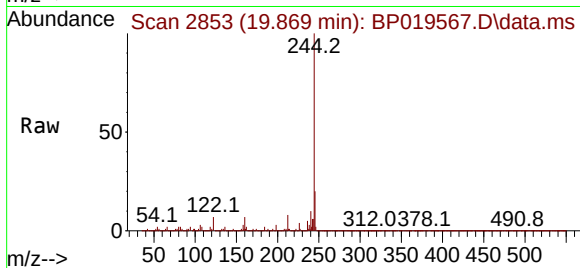
Tgt Ion:244 Resp: 2518359

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

122 7.3 5.9 8.9



#80

Butylbenzylphthalate

Concen: 6.322 ng

RT: 20.557 min Scan# 2970

Delta R.T. 0.000 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

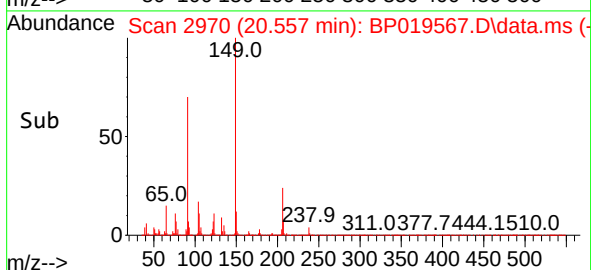
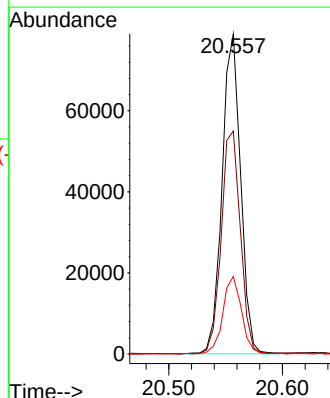
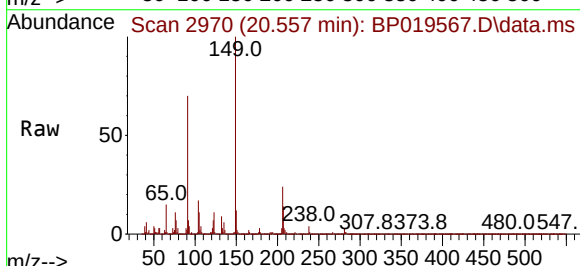
Tgt Ion:149 Resp: 89509

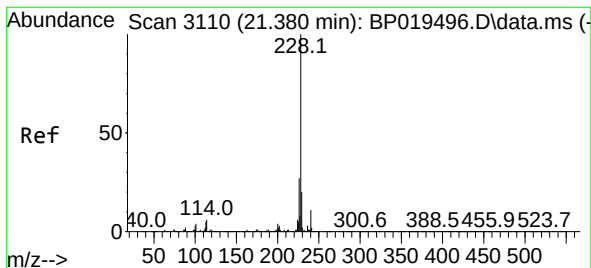
Ion Ratio Lower Upper

149 100

91 69.6 59.4 89.0

206 24.2 19.0 28.6





#81

Benzo(a)anthracene

Concen: 6.997 ng

RT: 21.374 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

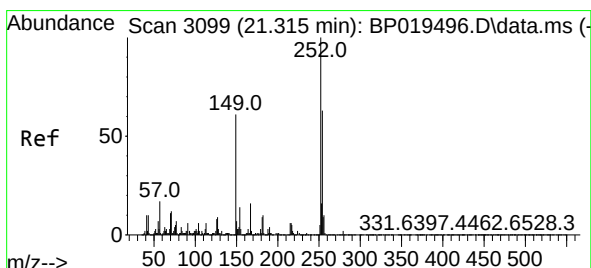
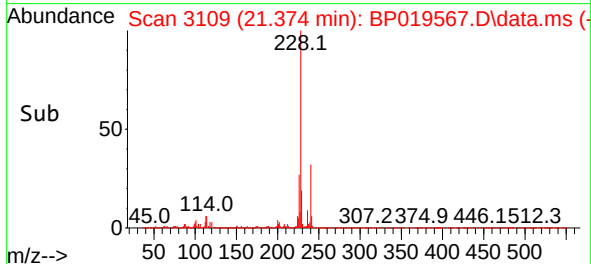
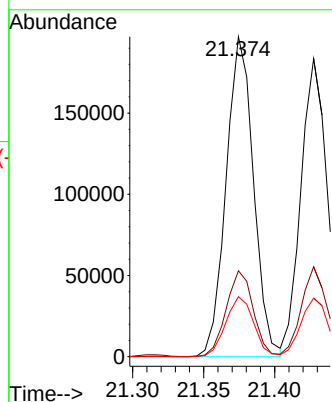
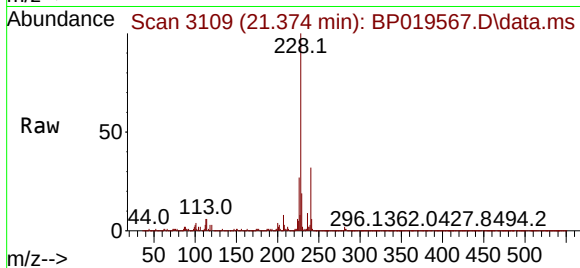
Tgt Ion:228 Resp: 264604

Ion Ratio Lower Upper

228 100

226 26.8 21.7 32.5

229 18.8 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 6.165 ng

RT: 21.316 min Scan# 3099

Delta R.T. 0.000 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

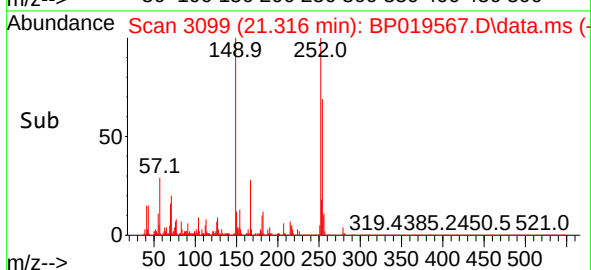
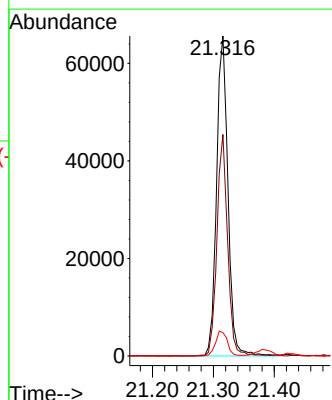
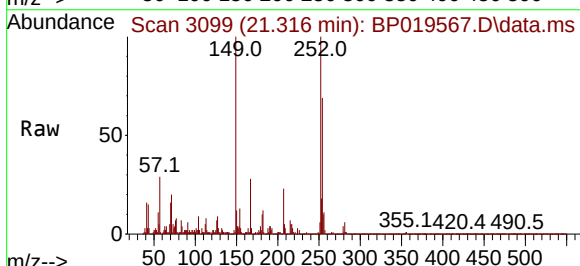
Tgt Ion:252 Resp: 84956

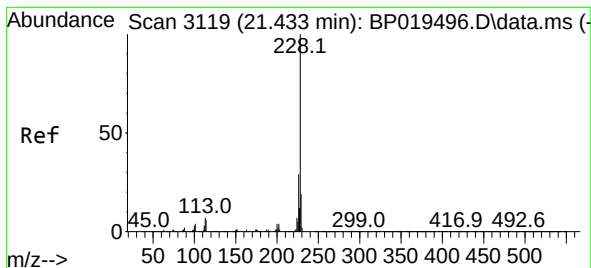
Ion Ratio Lower Upper

252 100

254 69.2 50.7 76.1

126 7.3 6.4 9.6





#83

Chrysene

Concen: 6.621 ng

RT: 21.427 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

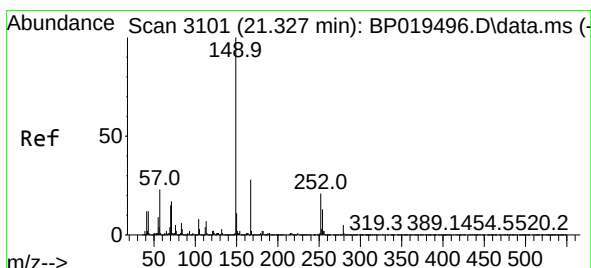
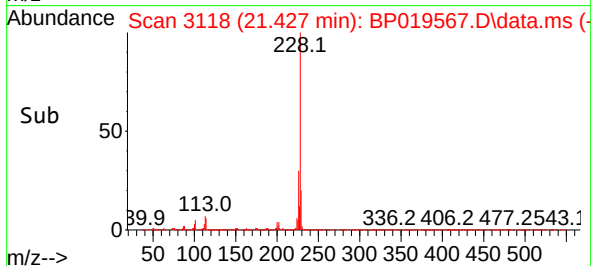
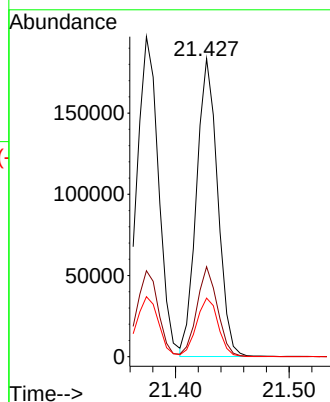
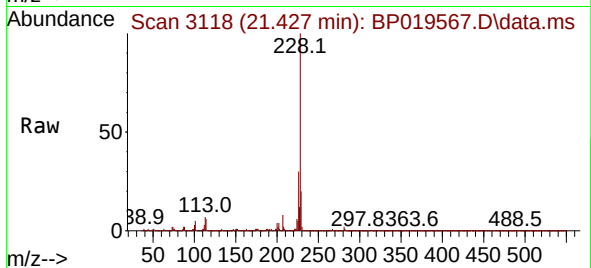
Tgt Ion:228 Resp: 237711

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.2

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.735 ng

RT: 21.321 min Scan# 3100

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

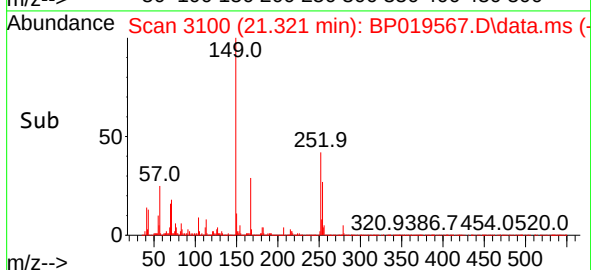
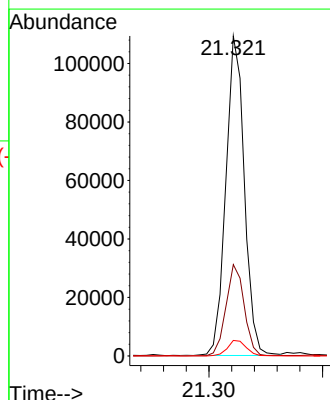
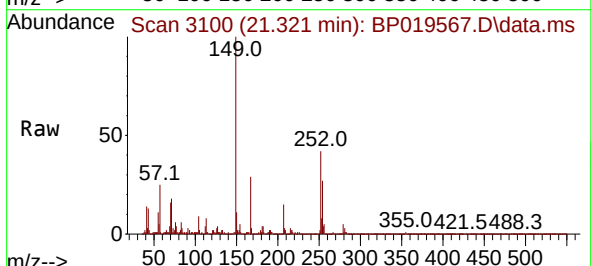
Tgt Ion:149 Resp: 123645

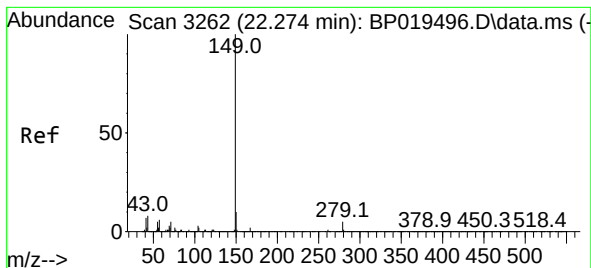
Ion Ratio Lower Upper

149 100

167 28.6 22.7 34.1

279 4.9 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 4.498 ng

RT: 22.268 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

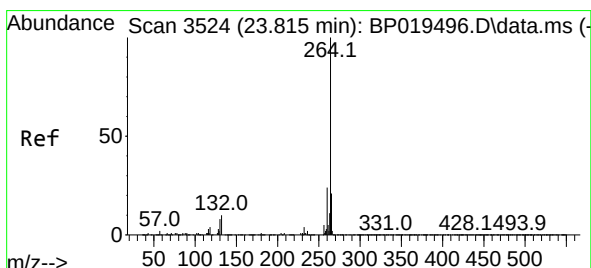
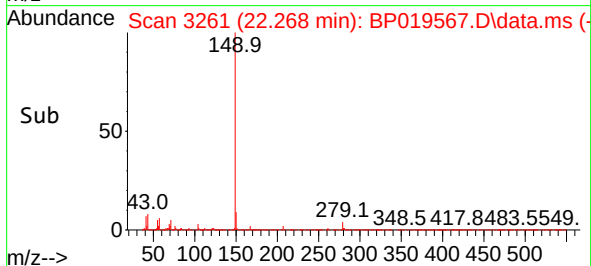
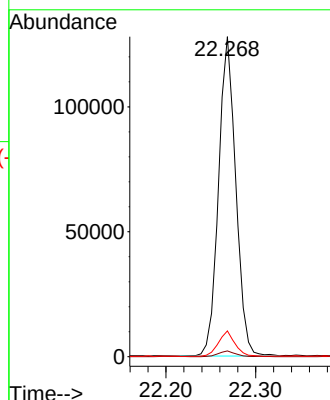
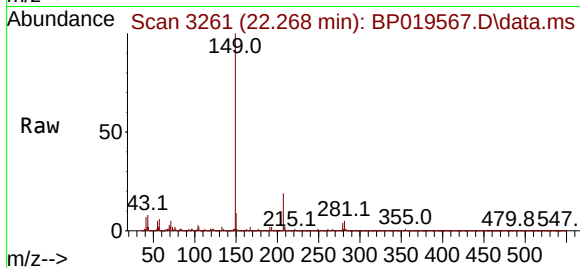
Tgt Ion:149 Resp: 170618

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 7.7 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 3523

Delta R.T. -0.006 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

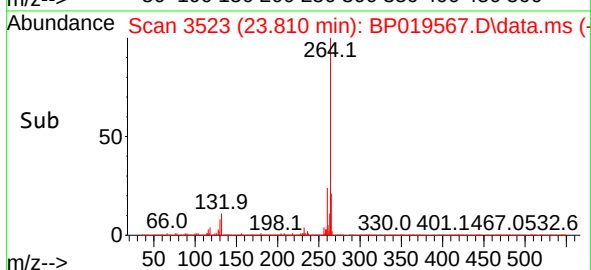
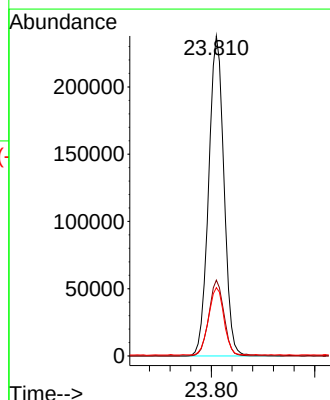
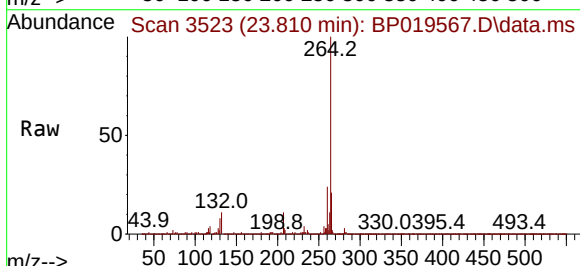
Tgt Ion:264 Resp: 488369

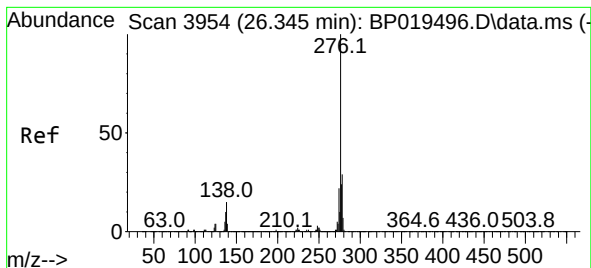
Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.989 ng

RT: 26.327 min Scan# 3951

Delta R.T. -0.017 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2023

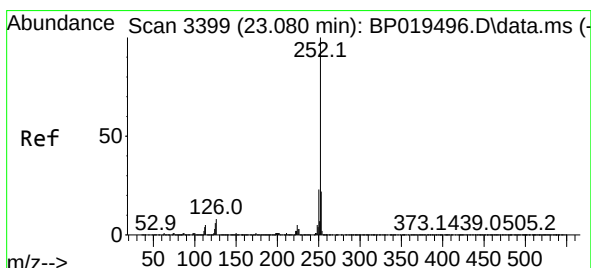
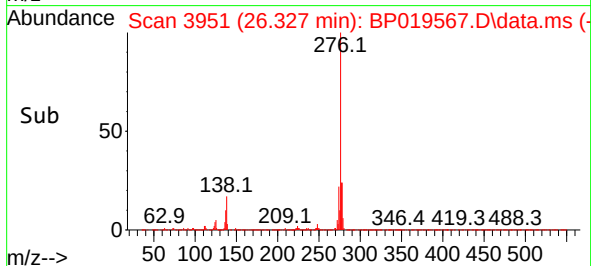
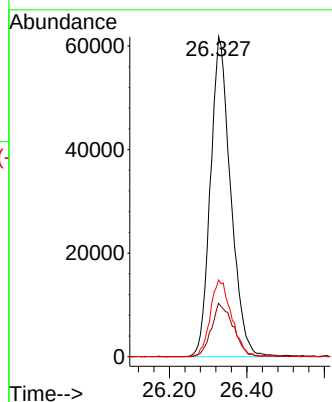
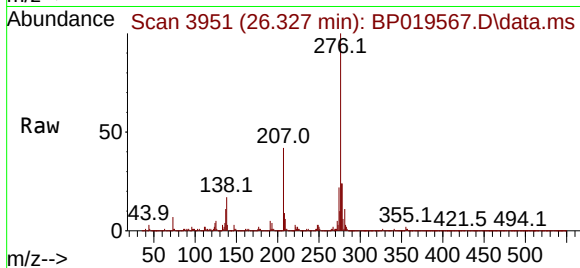
Tgt Ion:276 Resp: 223901

Ion Ratio Lower Upper

276 100

138 17.9 13.1 19.7

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 6.684 ng

RT: 23.068 min Scan# 3397

Delta R.T. -0.012 min

Lab File: BP019567.D

Acq: 06 Feb 2024 11:22

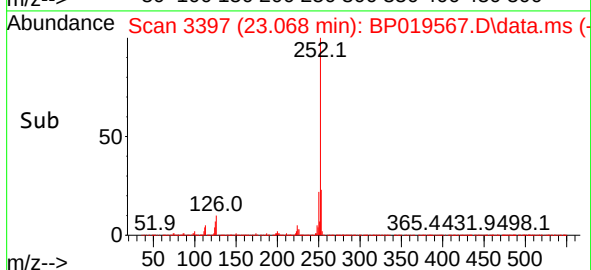
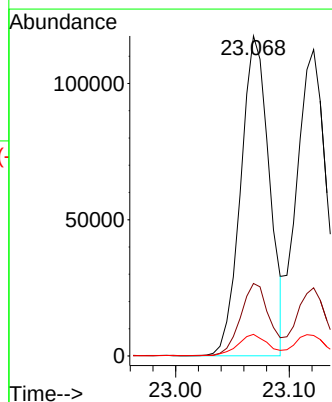
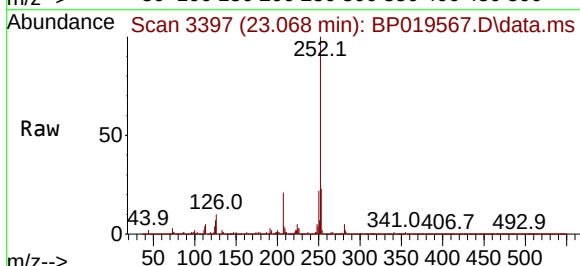
Tgt Ion:252 Resp: 205728

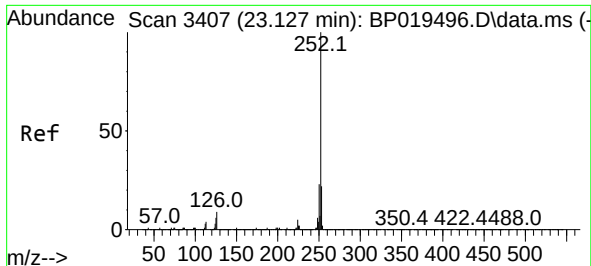
Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 6.7 4.9 7.3

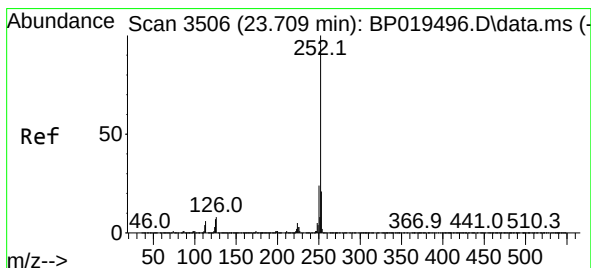
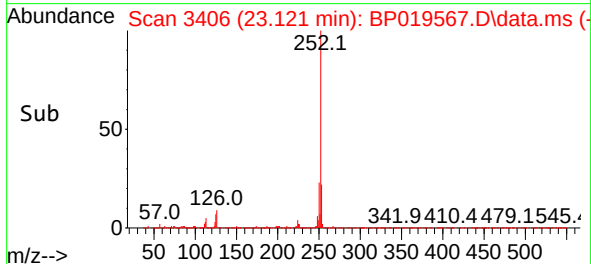
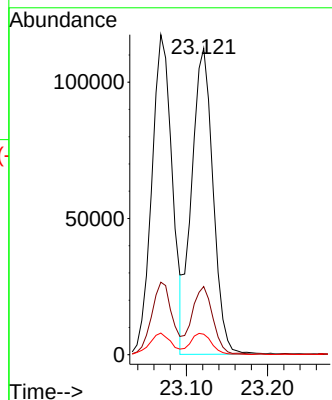
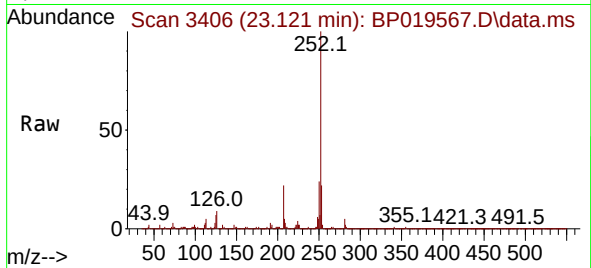




#89
Benzo(k)fluoranthene
Concen: 6.983 ng
RT: 23.121 min Scan# 3407
Delta R.T. -0.006 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

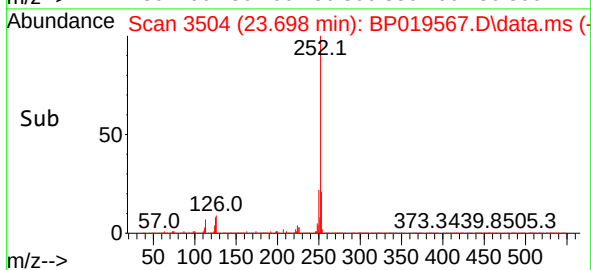
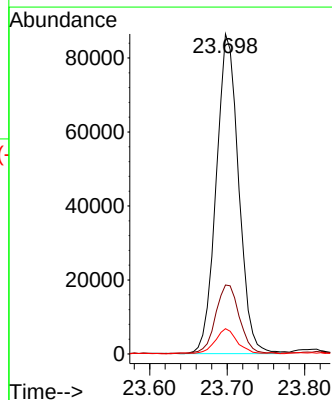
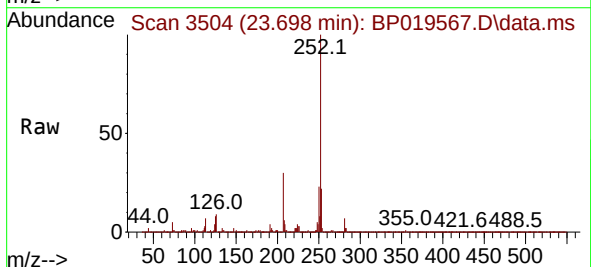
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2023

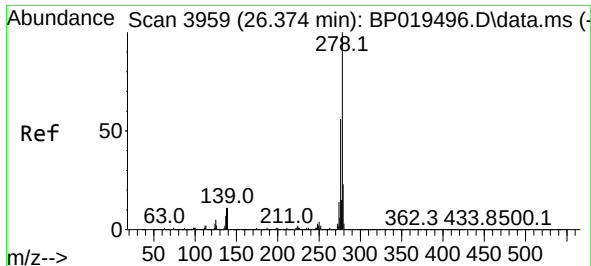
Tgt Ion:252 Resp: 205300
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 6.7 5.0 7.6



#90
Benzo(a)pyrene
Concen: 6.348 ng
RT: 23.698 min Scan# 3504
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion:252 Resp: 173862
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 7.9 5.6 8.4

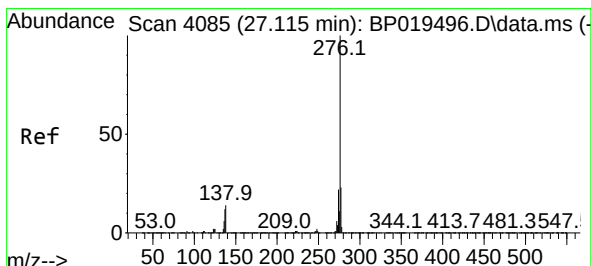
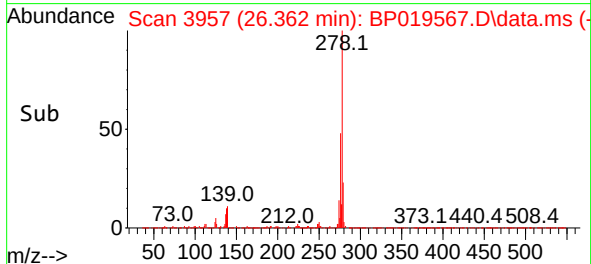
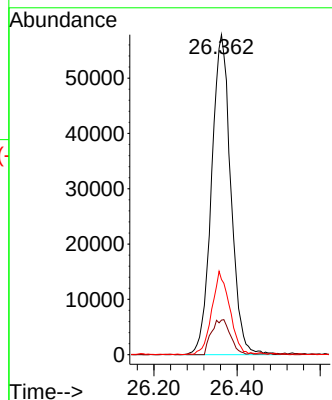
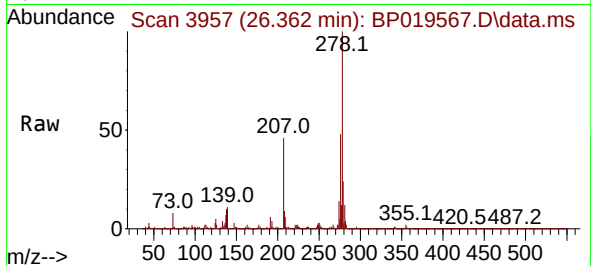




#91
Dibenzo(a,h)anthracene
Concen: 6.050 ng
RT: 26.362 min Scan# 3959
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2023

Tgt Ion: 278 Resp: 186012
Ion Ratio Lower Upper
278 100
139 10.8 8.6 12.8
279 23.5 18.5 27.7



#92
Benzo(g,h,i)perylene
Concen: 5.875 ng
RT: 27.104 min Scan# 4083
Delta R.T. -0.012 min
Lab File: BP019567.D
Acq: 06 Feb 2024 11:22

Tgt Ion: 276 Resp: 183238
Ion Ratio Lower Upper
276 100
277 23.8 18.6 28.0
138 14.4 10.9 16.3

