

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020524\
 Data File : BP019556.D
 Acq On : 05 Feb 2024 11:24
 Operator : MA/JU
 Sample : 03572-03
 Misc : MDL-SOIL-8PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Quant Time: Feb 05 11:52:24 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	64701	20.000	ng	-0.01
21) Naphthalene-d8	10.710	136	273114	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	206538	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	484081	20.000	ng	0.00
76) Chrysene-d12	21.392	240	398969	20.000	ng	0.00
86) Perylene-d12	23.810	264	405813	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	438668	109.287	ng	-0.01
7) Phenol-d6	7.075	99	605661	111.907	ng	-0.01
23) Nitrobenzene-d5	9.075	82	484102	76.806	ng	-0.01
42) 2,4,6-Tribromophenol	16.039	330	360067	119.401	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1196698	71.628	ng	0.00
79) Terphenyl-d14	19.869	244	2141883	88.288	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.381	88	14031	9.073	ng	98
3) Pyridine	3.787	79	32303	7.705	ng	99
4) n-Nitrosodimethylamine	3.705	42	14746	8.078	ng	93
6) Aniline	7.240	93	54583	10.379	ng	98
8) 2-Chlorophenol	7.469	128	34479	8.367	ng	94
9) Benzaldehyde	7.058	77	36259	9.556	ng	97
10) Phenol	7.099	94	44763	8.298	ng	98
11) bis(2-Chloroethyl)ether	7.346	93	34944	8.327	ng	99
12) 1,3-Dichlorobenzene	7.793	146	40213	7.975	ng	95
13) 1,4-Dichlorobenzene	7.946	146	40697	7.966	ng	97
14) 1,2-Dichlorobenzene	8.257	146	39203	7.931	ng	99
15) Benzyl Alcohol	8.152	79	37390	8.646	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.452	45	37182	8.860	ng	96
17) 2-Methylphenol	8.352	107	30225	8.323	ng	98
18) Hexachloroethane	8.975	117	14967	7.558	ng	91
19) n-Nitroso-di-n-propyla...	8.722	70	34126	9.231	ng	98
20) 3+4-Methylphenols	8.681	107	42149	8.504	ng	99
22) Acetophenone	8.740	105	65186	8.378	ng	# 97
24) Nitrobenzene	9.116	77	51213	8.070	ng	96
25) Isophorone	9.640	82	91485	8.334	ng	98
26) 2-Nitrophenol	9.828	139	17309	7.153	ng	96
27) 2,4-Dimethylphenol	9.887	122	28950	9.357	ng	97
28) bis(2-Chloroethoxy)met...	10.134	93	52527	8.458	ng	97
29) 2,4-Dichlorophenol	10.357	162	35955	7.687	ng	97
30) 1,2,4-Trichlorobenzene	10.569	180	43745	7.628	ng	99
31) Naphthalene	10.757	128	118809	7.932	ng	98
32) Benzoic acid	9.957	122	18588	6.166	ng	# 84
33) 4-Chloroaniline	10.881	127	49363	8.911	ng	98
34) Hexachlorobutadiene	11.034	225	31298	7.365	ng	98
35) Caprolactam	11.640	113	12237	9.242	ng	91
36) 4-Chloro-3-methylphenol	11.993	107	41553	8.148	ng	95
37) 2-Methylnaphthalene	12.369	142	85818	8.279	ng	98
38) 1-Methylnaphthalene	12.587	142	84639	8.309	ng	99
40) 1,2,4,5-Tetrachloroben...	12.728	216	57861	7.264	ng	99
41) Hexachlorocyclopentadiene	12.704	237	30751	8.546	ng	92
43) 2,4,6-Trichlorophenol	12.975	196	32702	6.780	ng	96

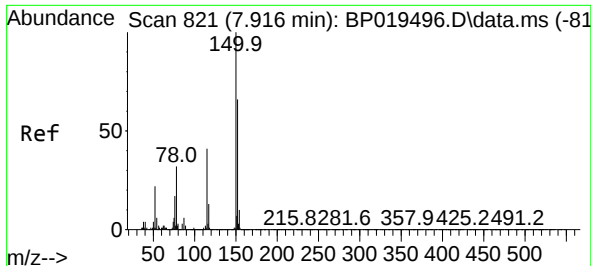
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	37553	7.090	ng	99
46) 1,1'-Biphenyl	13.381	154	126827	7.694	ng	98
47) 2-Chloronaphthalene	13.422	162	97614	7.214	ng	98
48) 2-Nitroaniline	13.634	65	26035	6.881	ng	98
49) Acenaphthylene	14.263	152	157247	8.283	ng	99
50) Dimethylphthalate	14.010	163	131284	8.303	ng	99
51) 2,6-Dinitrotoluene	14.134	165	25904	7.457	ng	95
52) Acenaphthene	14.604	154	90552	7.685	ng	98
53) 3-Nitroaniline	14.457	138	24214	7.585	ng	92
54) 2,4-Dinitrophenol	14.663	184	11272	6.250	ng	86
55) Dibenzofuran	14.945	168	155744	8.116	ng	98
56) 4-Nitrophenol	14.757	139	18316	7.000	ng	95
57) 2,4-Dinitrotoluene	14.916	165	34108	7.493	ng	98
58) Fluorene	15.592	166	127325	8.330	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.169	232	35028	7.863	ng	97
60) Diethylphthalate	15.381	149	130484	8.297	ng	97
61) 4-Chlorophenyl-phenyle...	15.598	204	68441	7.967	ng	97
62) 4-Nitroaniline	15.616	138	24765	7.401	ng	95
63) Azobenzene	15.886	77	121740	8.005	ng	99
65) 4,6-Dinitro-2-methylph...	15.675	198	17066	6.183	ng	95
66) n-Nitrosodiphenylamine	15.810	169	108384	7.476	ng	98
67) 4-Bromophenyl-phenylether	16.492	248	43829	7.243	ng	98
68) Hexachlorobenzene	16.586	284	52220	7.389	ng	99
69) Atrazine	16.775	200	42949	8.928	ng	97
70) Pentachlorophenol	16.939	266	25874	5.879	ng	94
71) Phenanthrene	17.345	178	202070	7.932	ng	98
72) Anthracene	17.433	178	200673	7.896	ng	99
73) Carbazole	17.710	167	172709	7.481	ng	99
74) Di-n-butylphthalate	18.275	149	203866	7.303	ng	100
75) Fluoranthene	19.310	202	232795	7.480	ng	98
77) Benzidine	19.498	184	97794	11.724	ng	98
78) Pyrene	19.663	202	244435	8.681	ng	98
80) Butylbenzylphthalate	20.557	149	73775	7.016	ng	94
81) Benzo(a)anthracene	21.374	228	220197	7.841	ng	99
82) 3,3'-Dichlorobenzidine	21.316	252	75028	7.331	ng	97
83) Chrysene	21.427	228	202557	7.597	ng	100
84) Bis(2-ethylhexyl)phtha...	21.322	149	100822	6.297	ng	98
85) Di-n-octyl phthalate	22.269	149	147393	5.232	ng	100
87) Indeno(1,2,3-cd)pyrene	26.333	276	232687	7.491	ng	99
88) Benzo(b)fluoranthene	23.074	252	201163	7.865	ng	98
89) Benzo(k)fluoranthene	23.121	252	181987	7.449	ng	100
90) Benzo(a)pyrene	23.704	252	169285	7.439	ng	98
91) Dibenzo(a,h)anthracene	26.362	278	190306	7.449	ng	97
92) Benzo(g,h,i)perylene	27.104	276	185676	7.164	ng	96

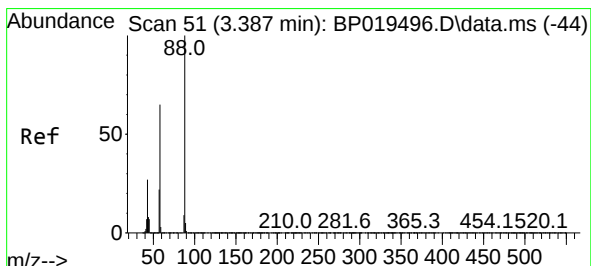
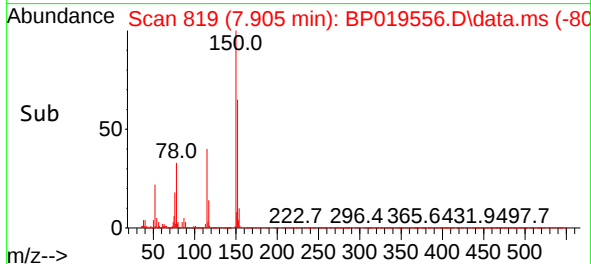
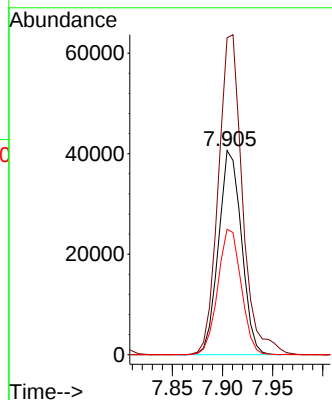
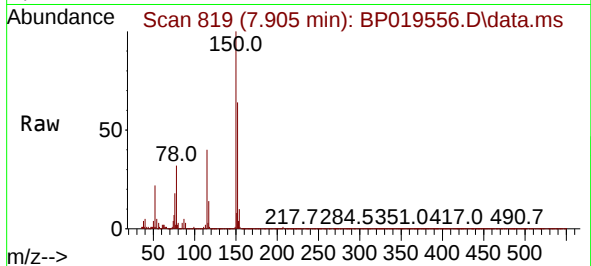
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

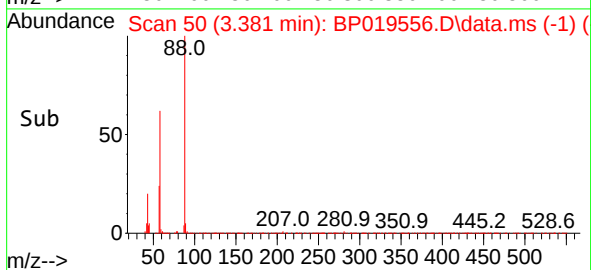
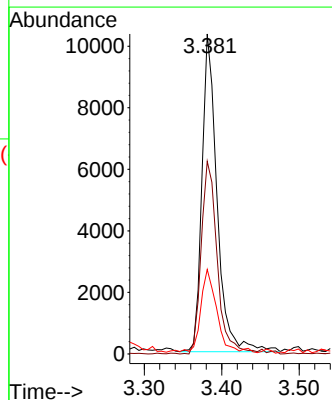
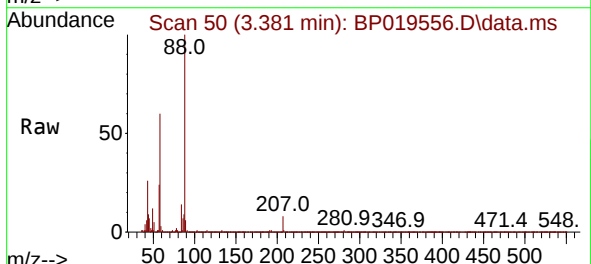
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:152 Resp: 64701
Ion Ratio Lower Upper
152 100
150 155.3 121.8 182.8
115 61.4 49.9 74.9



#2
1,4-Dioxane
Concen: 9.073 ng
RT: 3.381 min Scan# 50
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion: 88 Resp: 14031
Ion Ratio Lower Upper
88 100
58 64.0 52.6 78.8
43 26.0 21.9 32.9





#3

Pyridine

Concen: 7.705 ng

RT: 3.787 min Scan# 119

Delta R.T. 0.000 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

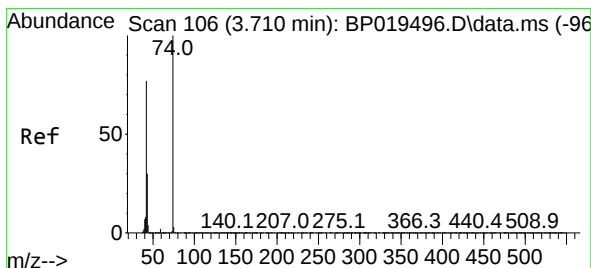
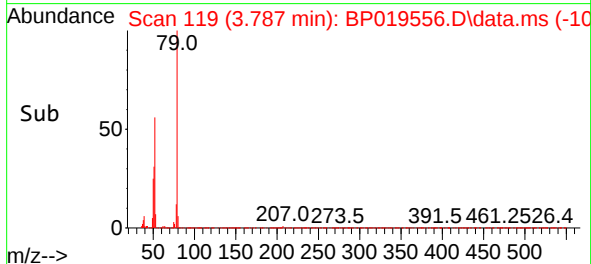
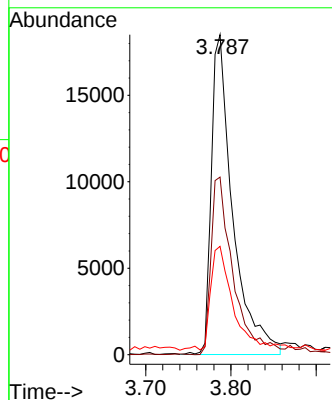
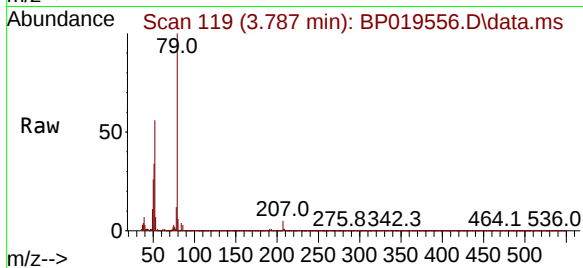
Tgt Ion: 79 Resp: 32303

Ion Ratio Lower Upper

79 100

52 55.5 45.0 67.6

51 33.8 26.8 40.2



#4

n-Nitrosodimethylamine

Concen: 8.078 ng

RT: 3.705 min Scan# 105

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

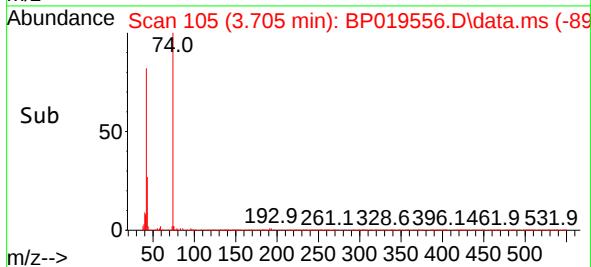
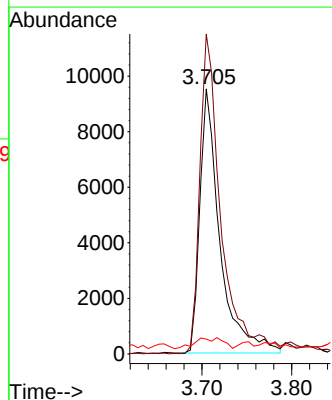
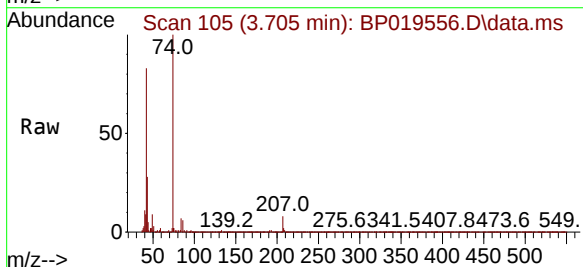
Tgt Ion: 42 Resp: 14746

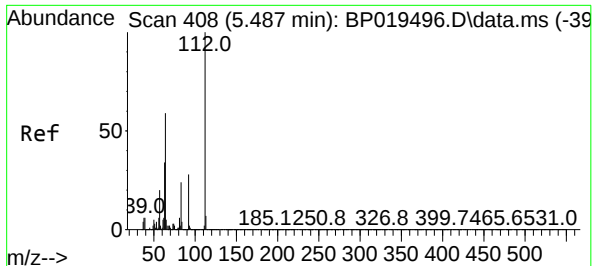
Ion Ratio Lower Upper

42 100

74 120.7 103.4 155.2

44 5.6 4.8 7.2

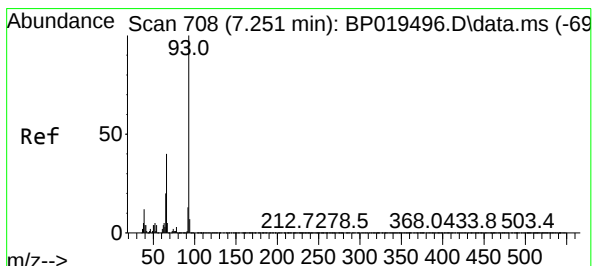
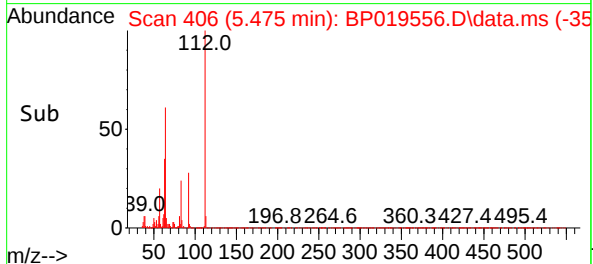
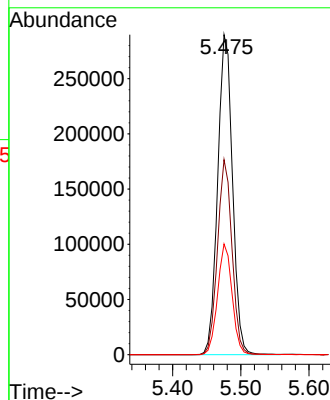
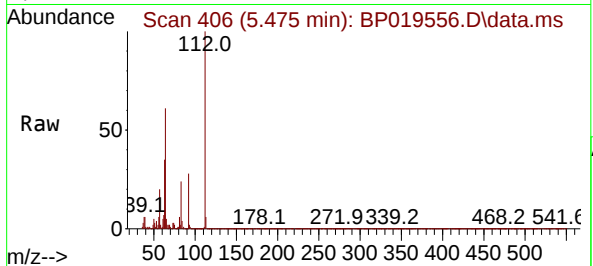




#5
2-Fluorophenol
Concen: 109.287 ng
RT: 5.475 min Scan# 408
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

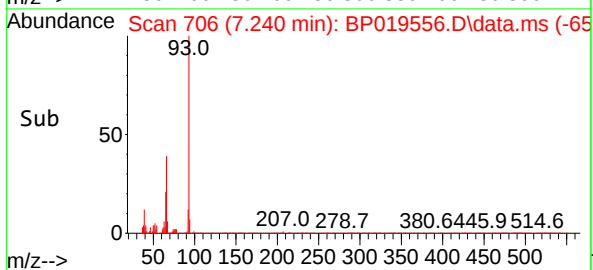
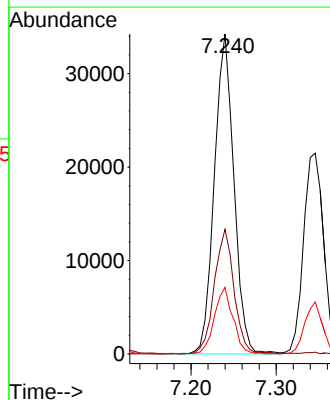
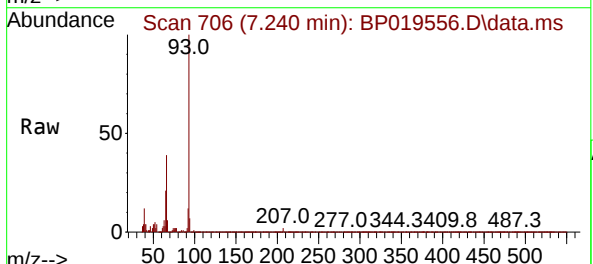
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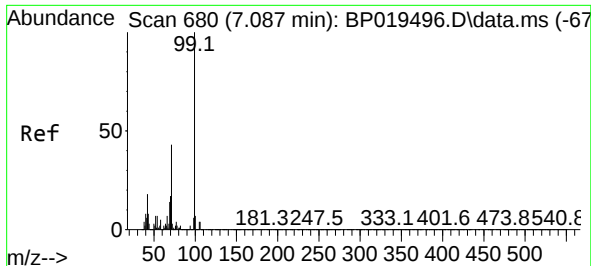
Tgt Ion:112 Resp: 438668
Ion Ratio Lower Upper
112 100
64 60.9 47.4 71.0
63 34.6 27.0 40.6



#6
Aniline
Concen: 10.379 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion: 93 Resp: 54583
Ion Ratio Lower Upper
93 100
66 39.0 32.3 48.5
65 20.8 16.4 24.6

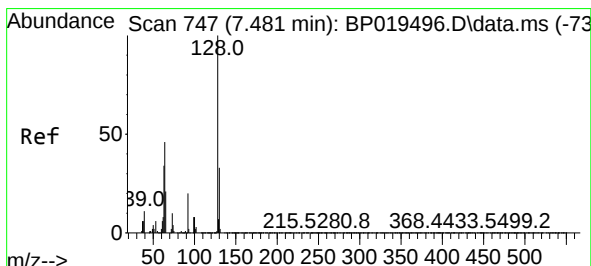
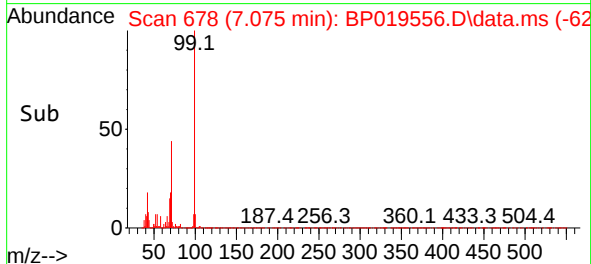
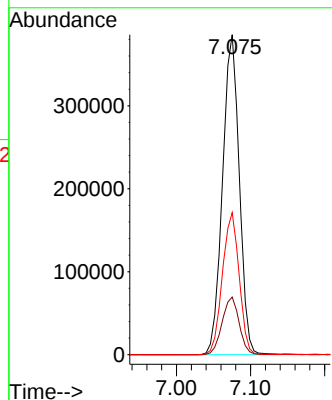
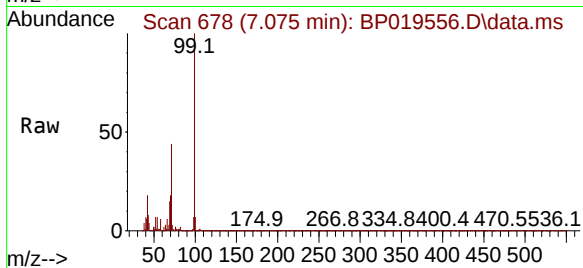




#7
Phenol-d6
Concen: 111.907 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

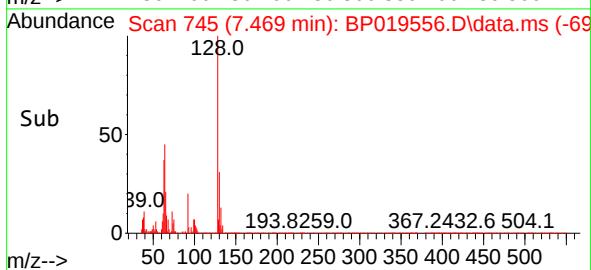
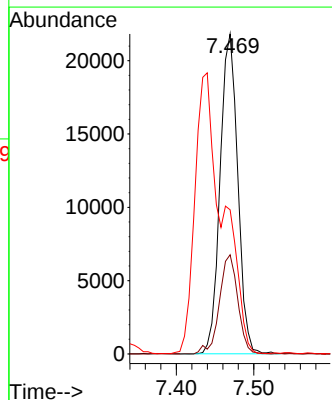
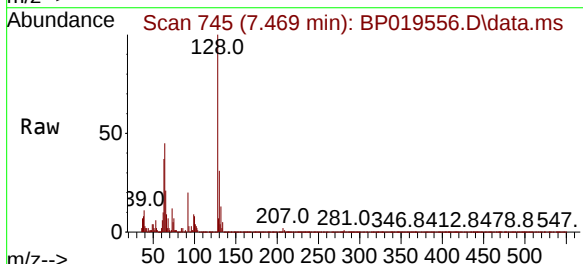
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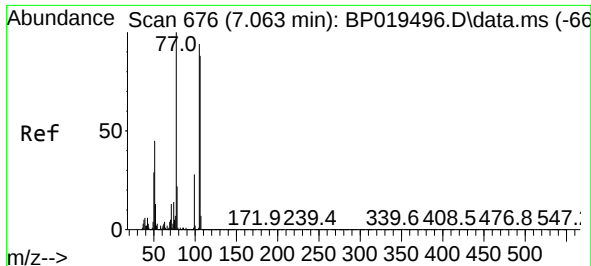
Tgt Ion: 99 Resp: 605661
Ion Ratio Lower Upper
99 100
42 18.0 14.7 22.1
71 44.4 34.8 52.2



#8
2-Chlorophenol
Concen: 8.367 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion: 128 Resp: 34479
Ion Ratio Lower Upper
128 100
130 31.0 13.3 53.3
64 45.1 29.7 69.7

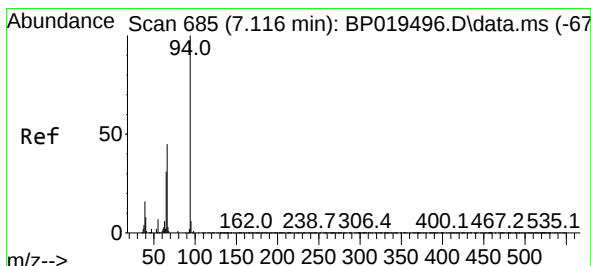
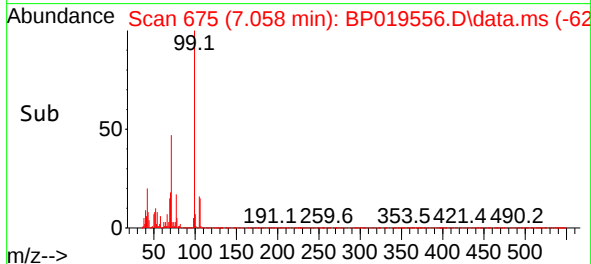
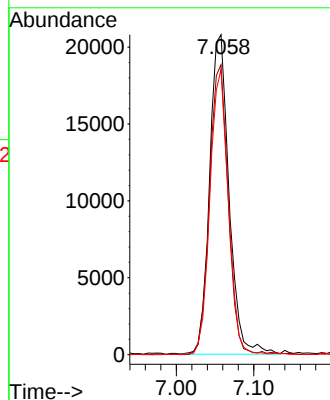
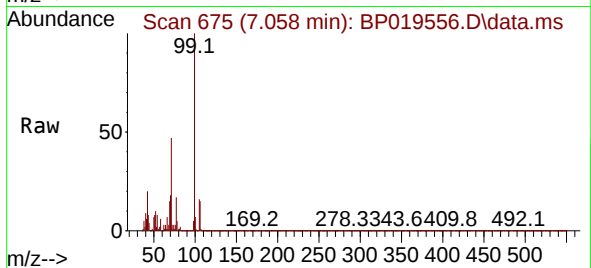




#9
Benzaldehyde
Concen: 9.556 ng
RT: 7.058 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

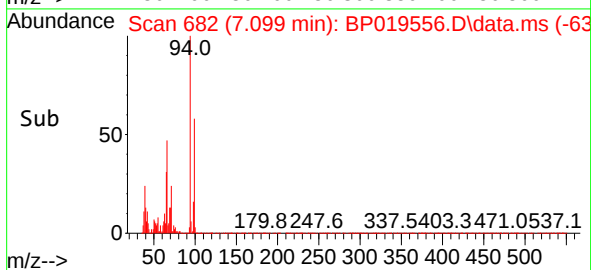
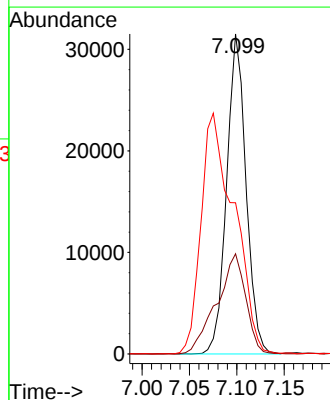
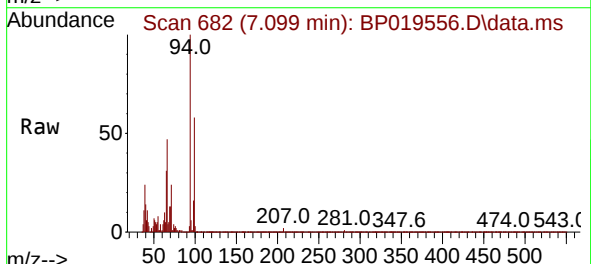
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ClientSampleId :
MDL-SOIL-03-QT3-2023

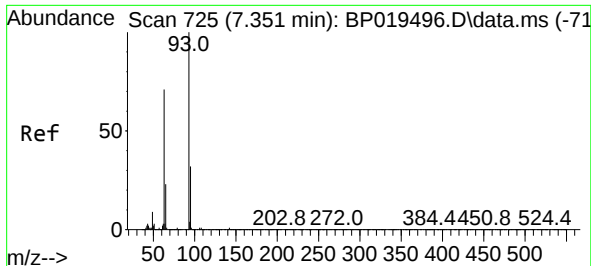
Tgt Ion: 77 Resp: 36259
Ion Ratio Lower Upper
77 100
105 90.6 74.0 114.0
106 89.1 67.8 107.8



#10
Phenol
Concen: 8.298 ng
RT: 7.099 min Scan# 682
Delta R.T. -0.017 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion: 94 Resp: 44763
Ion Ratio Lower Upper
94 100
65 31.3 11.3 51.3
66 47.3 25.1 65.1

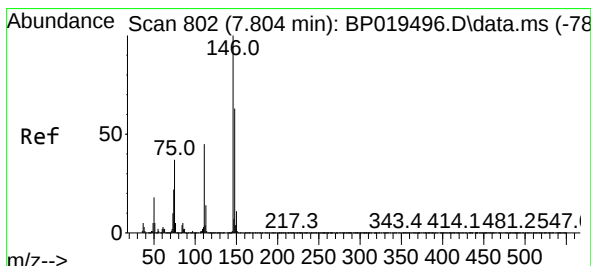
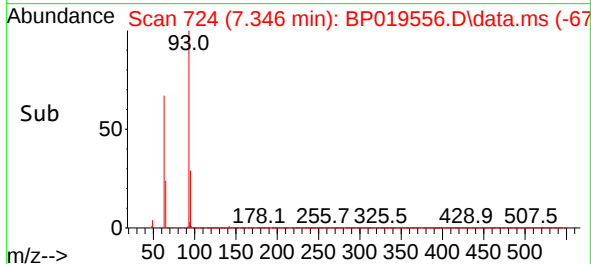
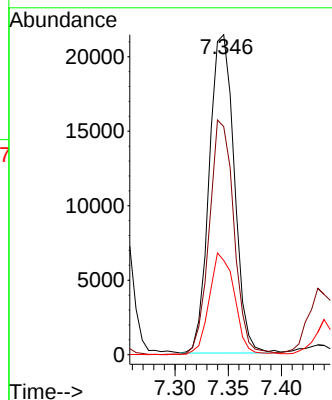
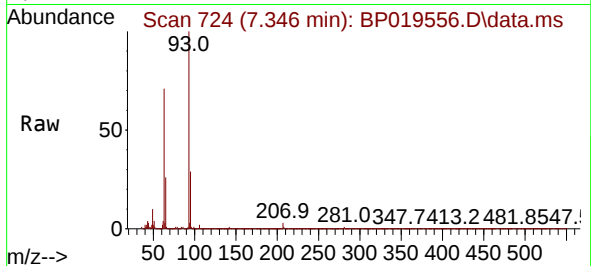




#11
bis(2-Chloroethyl)ether
Concen: 8.327 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

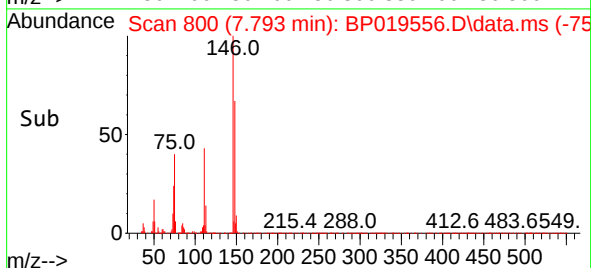
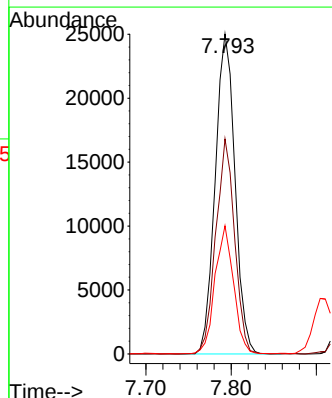
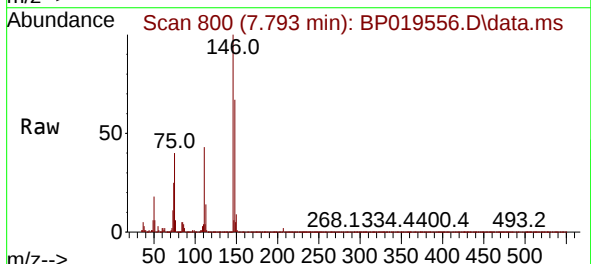
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion: 93	Resp: 34944
Ion Ratio	Lower Upper
93 100	
63 71.3	51.2 91.2
95 29.5	11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 7.975 ng
RT: 7.793 min Scan# 800
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:146	Resp:	40213	
Ion	Ratio	Lower	Upper
146	100		
148	67.2	50.4	75.6
75	40.1	29.9	44.9

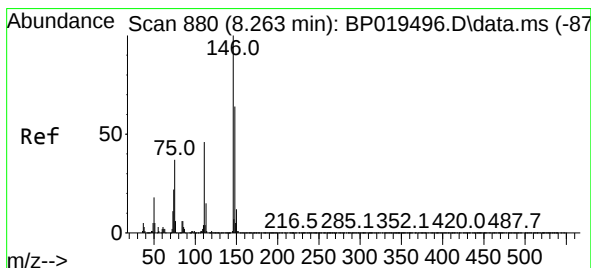
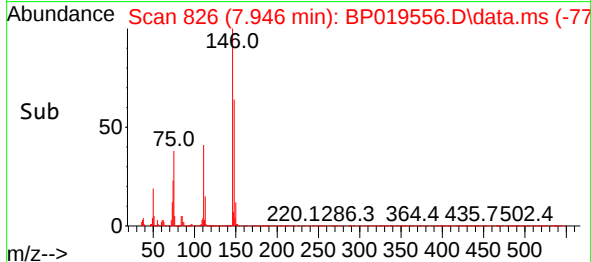
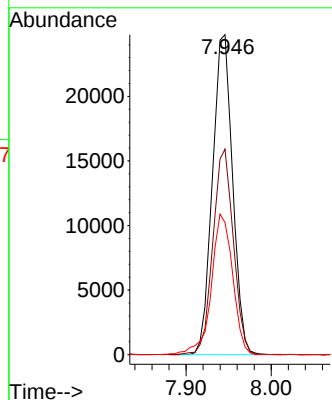
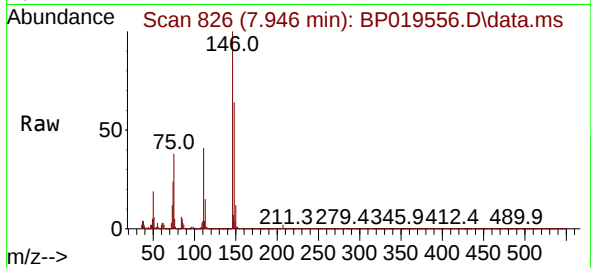




#13
1,4-Dichlorobenzene
Concen: 7.966 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

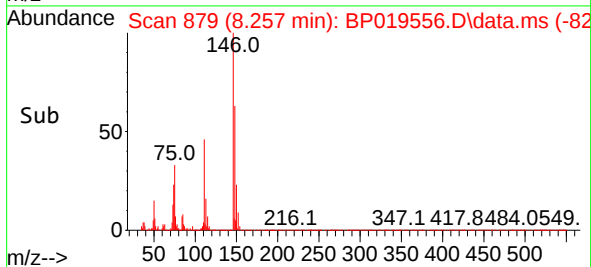
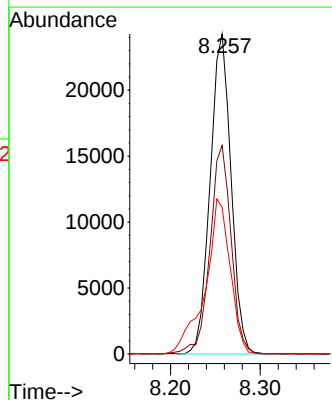
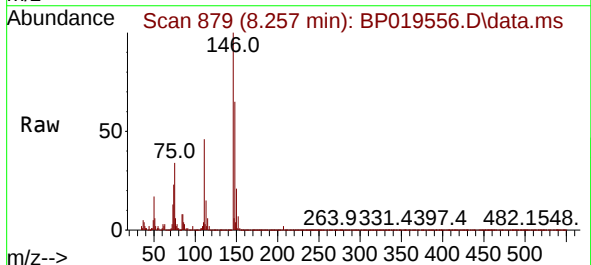
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

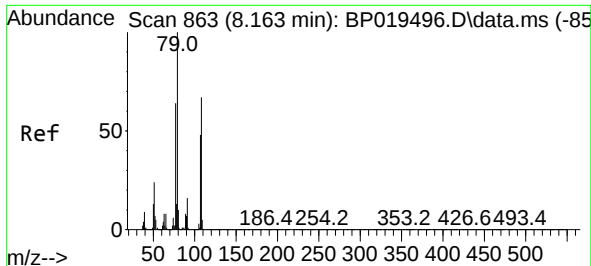
Tgt Ion:146 Resp: 40697
Ion Ratio Lower Upper
146 100
148 64.2 51.9 77.9
111 41.3 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 7.931 ng
RT: 8.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:146 Resp: 39203
Ion Ratio Lower Upper
146 100
148 65.1 51.4 77.0
111 45.9 37.0 55.6

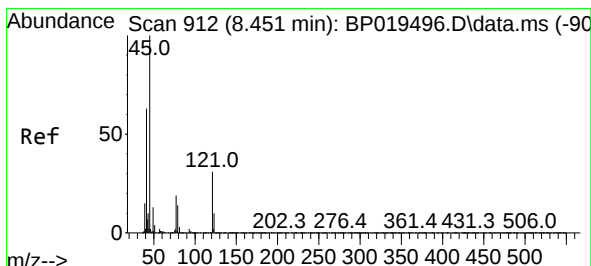
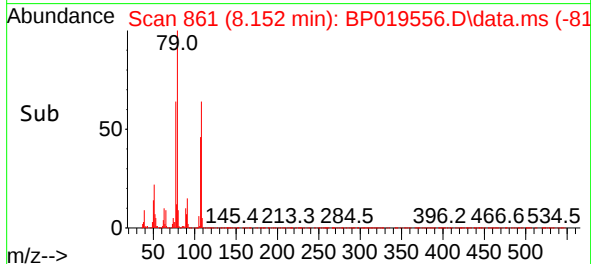
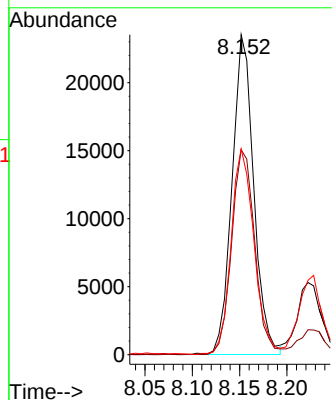
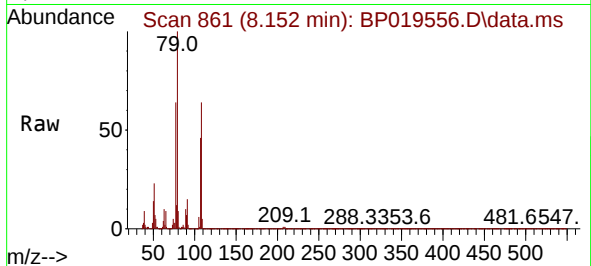




#15
Benzyl Alcohol
Concen: 8.646 ng
RT: 8.152 min Scan# 801
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

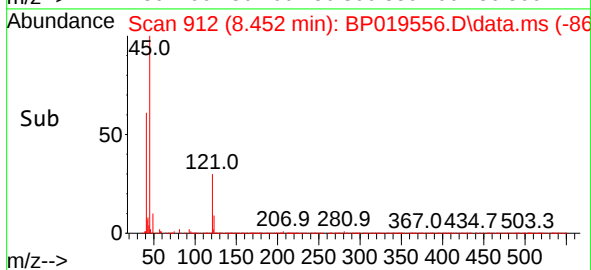
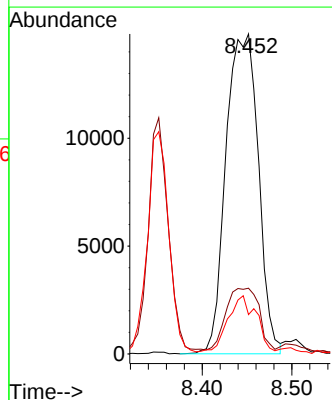
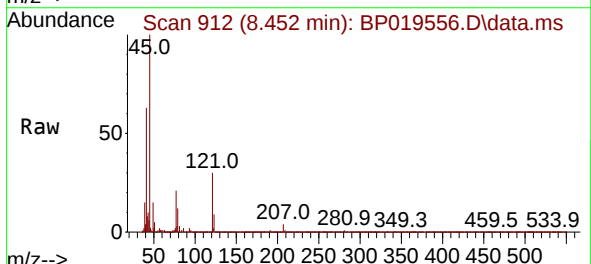
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

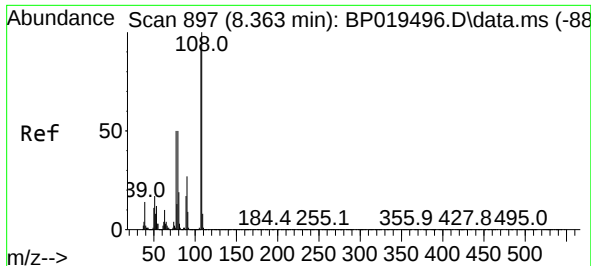
Tgt Ion: 79 Resp: 37390
Ion Ratio Lower Upper
79 100
108 64.0 53.8 80.6
77 64.3 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.860 ng
RT: 8.452 min Scan# 912
Delta R.T. 0.000 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion: 45 Resp: 37182
Ion Ratio Lower Upper
45 100
77 20.6 0.8 40.8
79 12.3 0.0 35.5

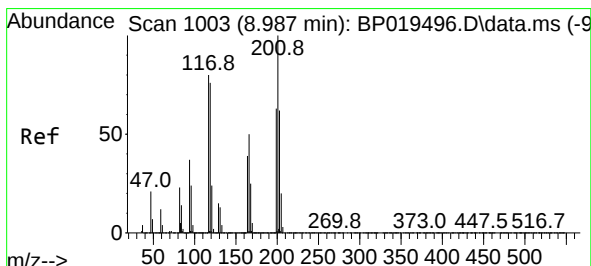
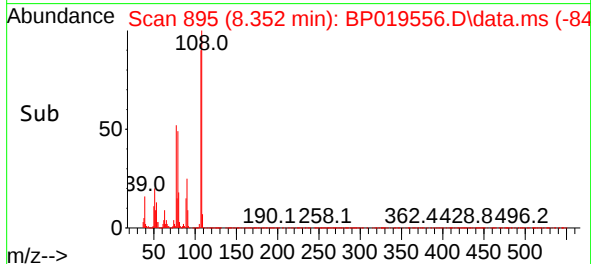
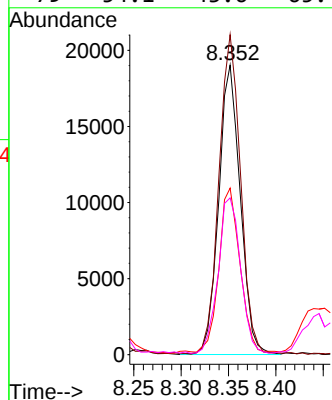
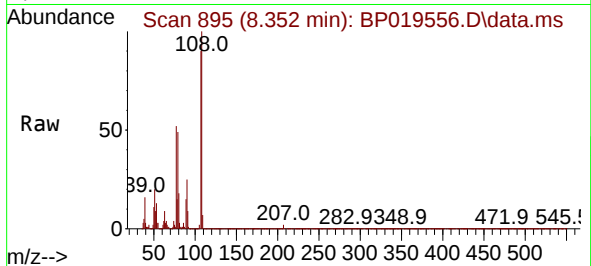




#17
2-Methylphenol
Concen: 8.323 ng
RT: 8.352 min Scan# 895
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

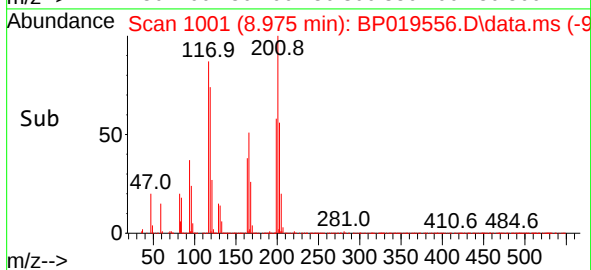
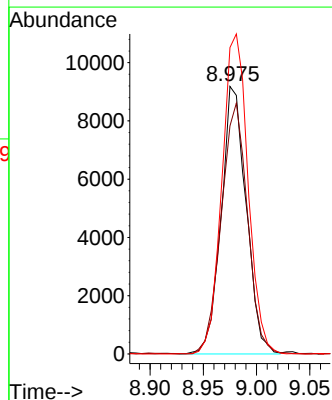
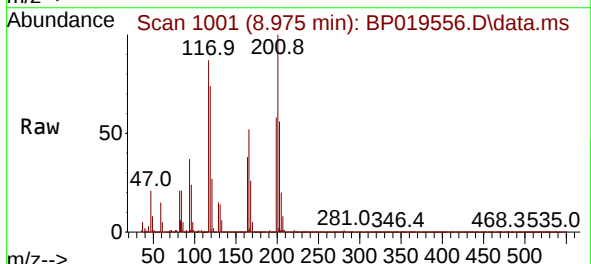
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

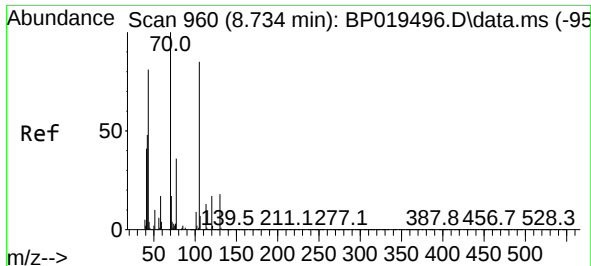
Tgt Ion:	107	Resp:	30225
Ion	Ratio	Lower	Upper
107	100		
108	110.5	87.0	130.6
77	57.5	43.5	65.3
79	54.1	43.6	65.4



#18
Hexachloroethane
Concen: 7.558 ng
RT: 8.975 min Scan# 1001
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:	117	Resp:	14967
Ion	Ratio	Lower	Upper
117	100		
119	85.2	75.5	113.3
201	114.5	99.4	149.2

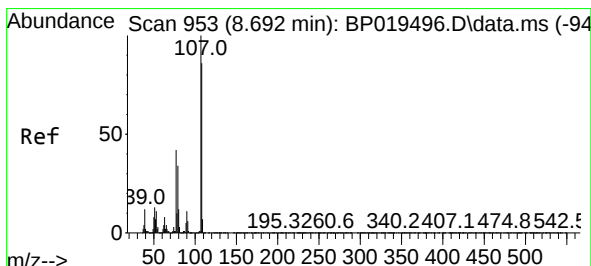
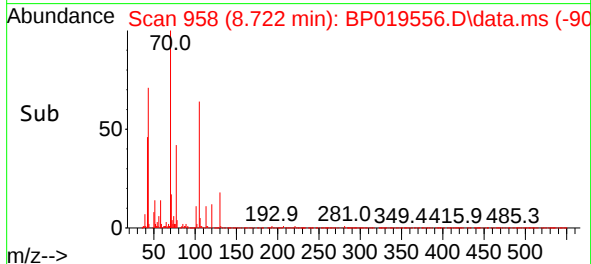
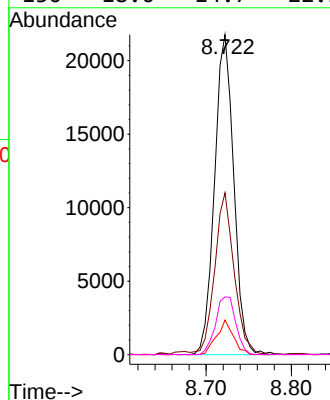
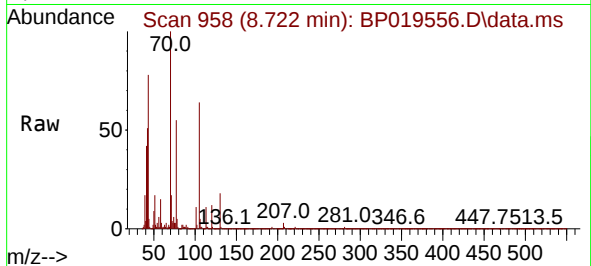




#19
n-Nitroso-di-n-propylamine
Concen: 9.231 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

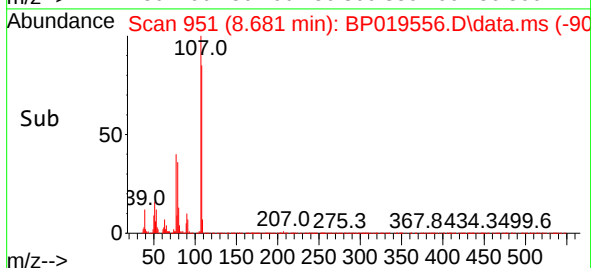
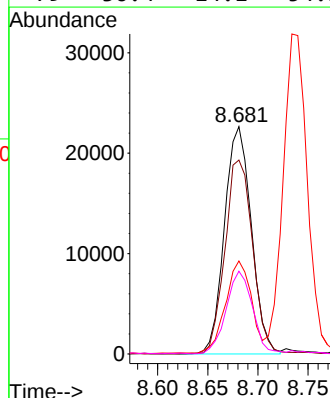
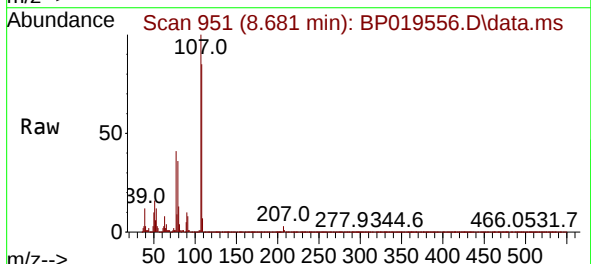
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

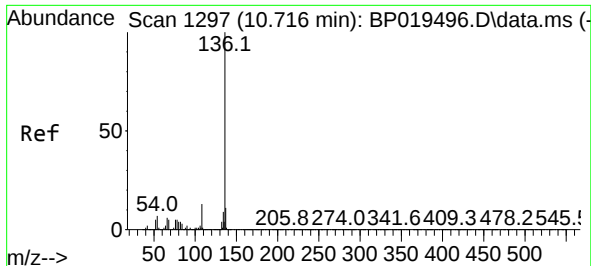
Tgt Ion:	70	Resp:	34126
Ion	Ratio	Lower	Upper
70	100		
42	50.6	39.2	58.8
101	10.8	7.3	10.9
130	18.0	14.7	22.1



#20
3+4-Methylphenols
Concen: 8.504 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:	107	Resp:	42149
Ion	Ratio	Lower	Upper
107	100		
108	85.3	65.5	105.5
77	40.9	21.8	61.8
79	36.4	14.1	54.1

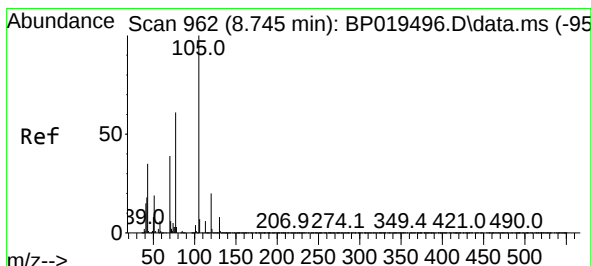
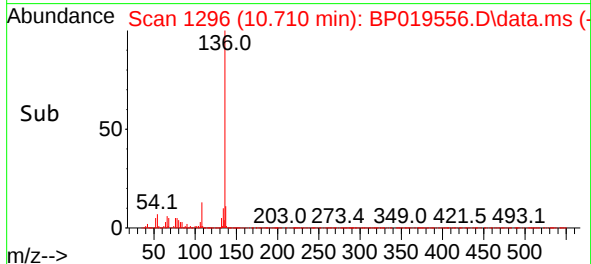
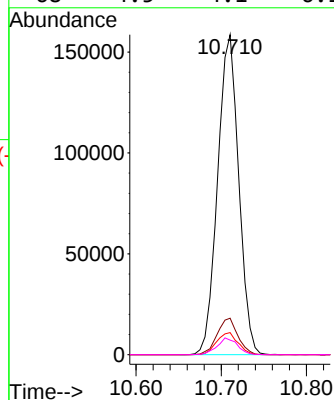
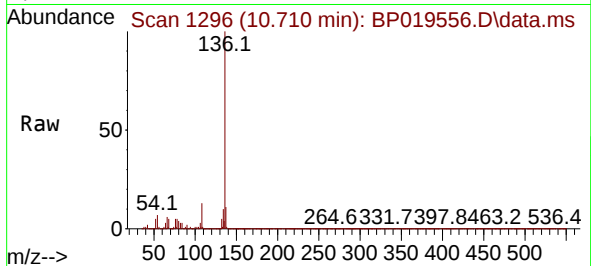




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

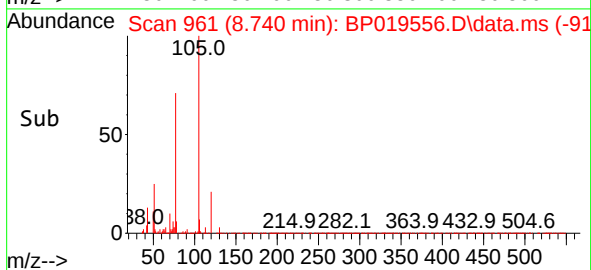
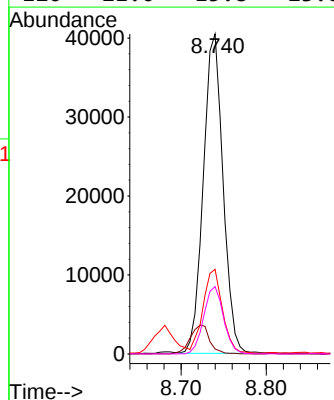
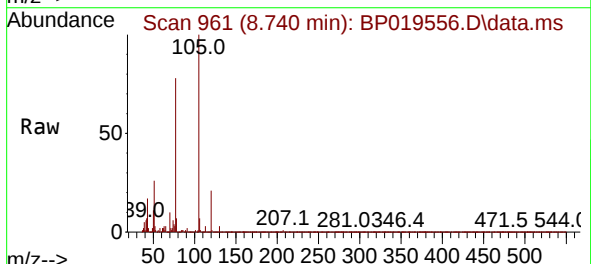
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

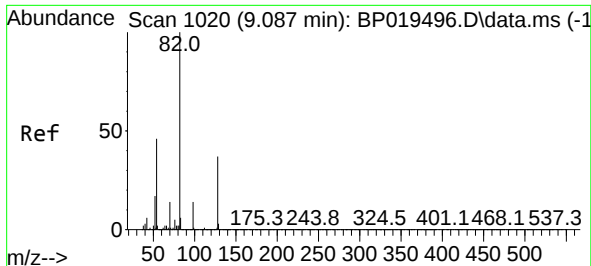
Tgt Ion:	136	Resp:	273114
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.8	13.2
54	6.9	5.3	7.9
68	4.5	4.1	6.1



#22
Acetophenone
Concen: 8.378 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:	105	Resp:	65186
Ion Ratio	Lower	Upper	
105	100		
71	1.5	4.9	7.3
51	26.5	20.7	31.1
120	21.0	15.8	23.8

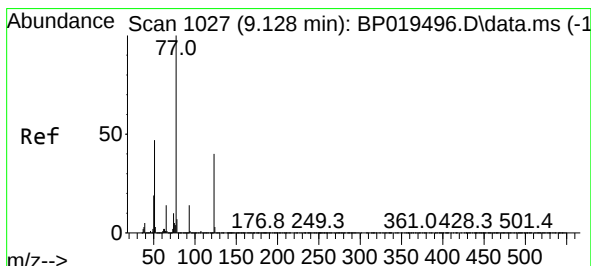
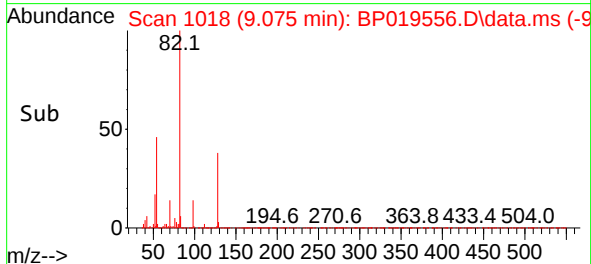
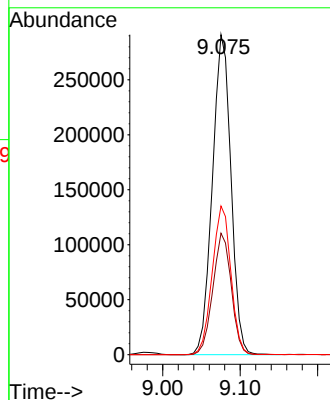
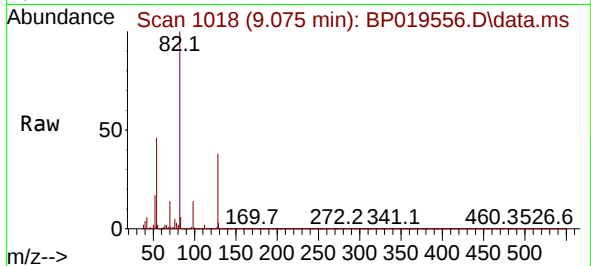




#23
Nitrobenzene-d5
Concen: 76.806 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

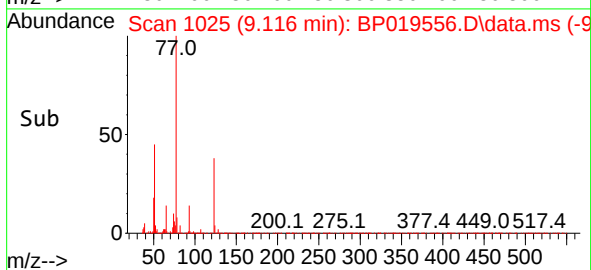
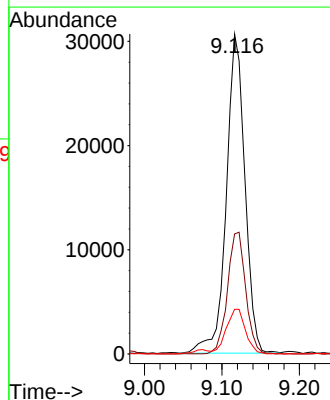
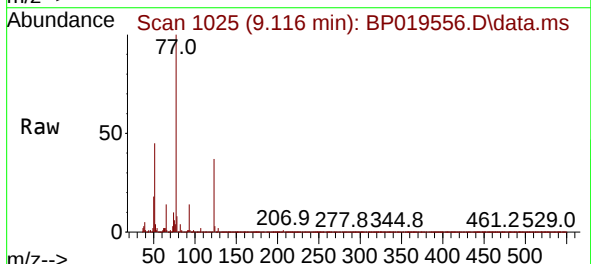
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

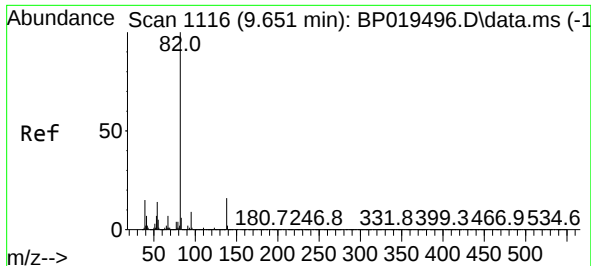
Tgt Ion: 82 Resp: 484102
Ion Ratio Lower Upper
82 100
128 37.9 29.7 44.5
54 46.5 36.8 55.2



#24
Nitrobenzene
Concen: 8.070 ng
RT: 9.116 min Scan# 1025
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion: 77 Resp: 51213
Ion Ratio Lower Upper
77 100
123 37.5 32.3 48.5
65 14.0 11.6 17.4

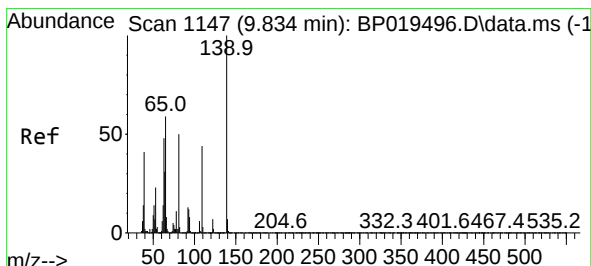
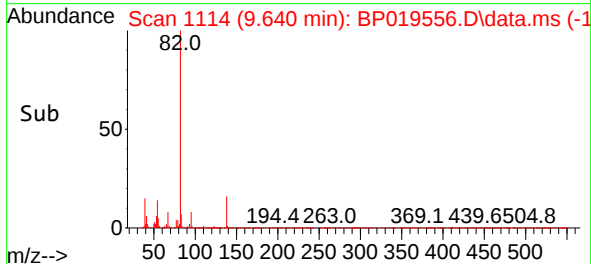
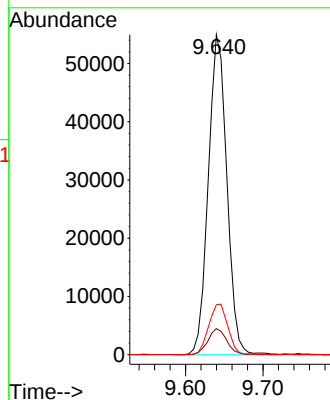
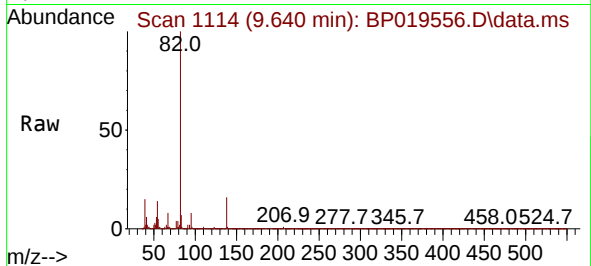




#25
Isophorone
Concen: 8.334 ng
RT: 9.640 min Scan# 1114
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

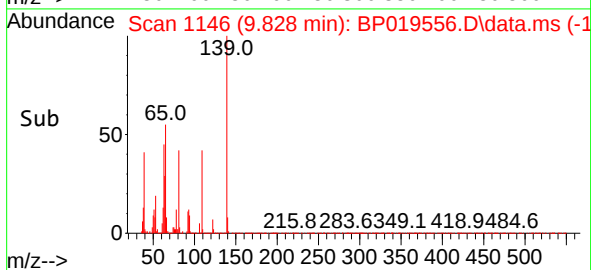
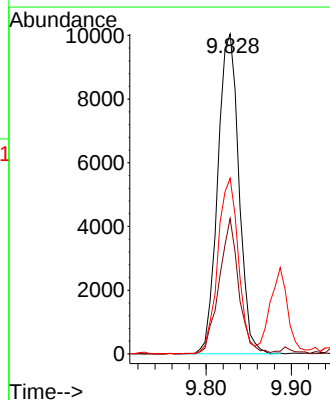
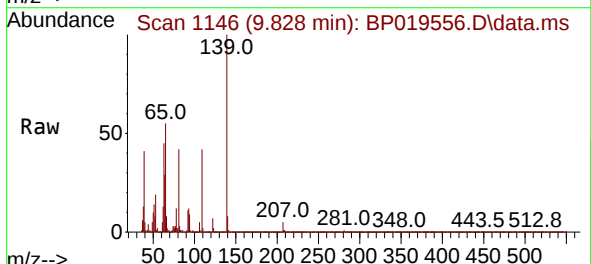
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:	82	Resp:	91485
Ion	Ratio	Lower	Upper
82	100		
95	8.2	7.0	10.4
138	15.6	13.1	19.7



#26
2-Nitrophenol
Concen: 7.153 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:	139	Resp:	17309
Ion	Ratio	Lower	Upper
139	100		
109	42.3	34.9	52.3
65	54.9	47.5	71.3

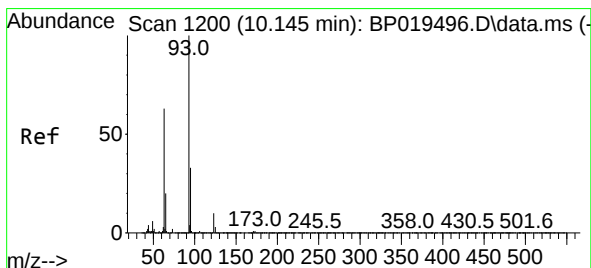
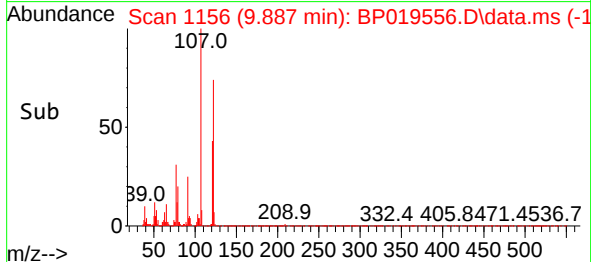
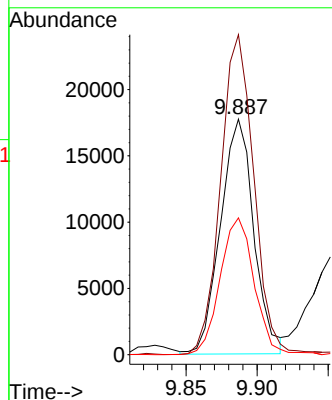
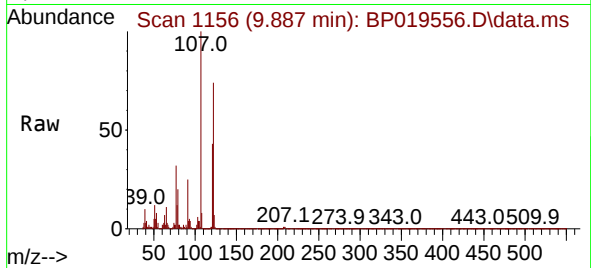




#27
2,4-Dimethylphenol
Concen: 9.357 ng
RT: 9.887 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

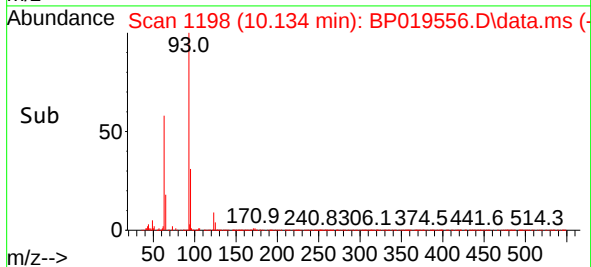
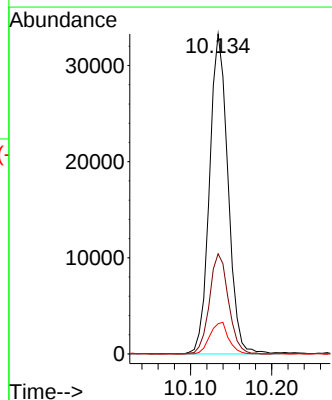
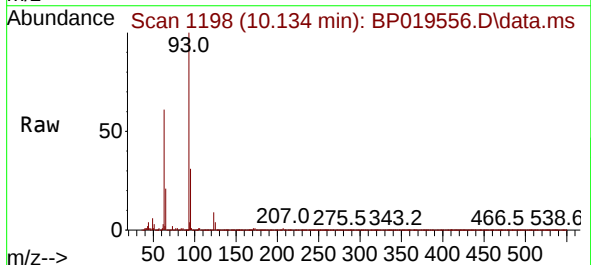
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

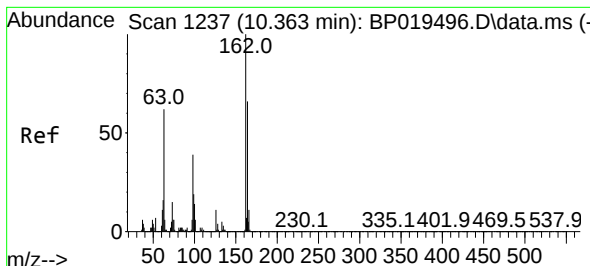
Tgt Ion:122 Resp: 28950
Ion Ratio Lower Upper
122 100
107 135.8 105.9 158.9
121 58.1 47.5 71.3



#28
bis(2-Chloroethoxy)methane
Concen: 8.458 ng
RT: 10.134 min Scan# 1198
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion: 93 Resp: 52527
Ion Ratio Lower Upper
93 100
95 31.3 26.2 39.4
123 9.4 8.5 12.7





#29

2,4-Dichlorophenol

Concen: 7.687 ng

RT: 10.357 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

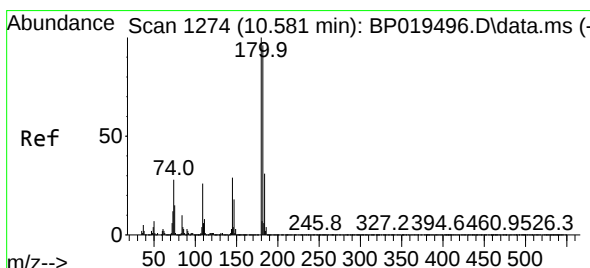
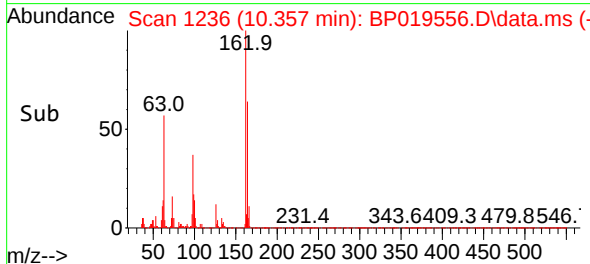
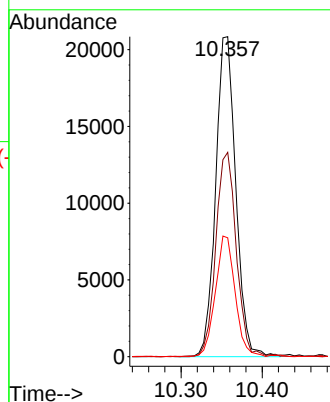
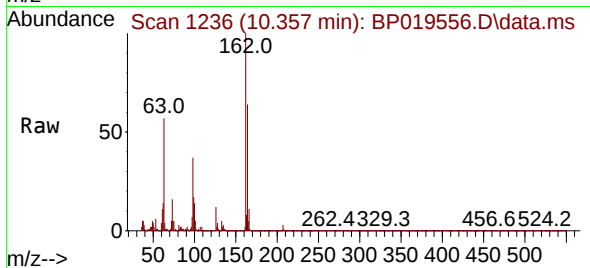
Tgt Ion:162 Resp: 35955

Ion Ratio Lower Upper

162 100

164 63.9 46.0 86.0

98 37.1 18.7 58.7



#30

1,2,4-Trichlorobenzene

Concen: 7.628 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.011 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

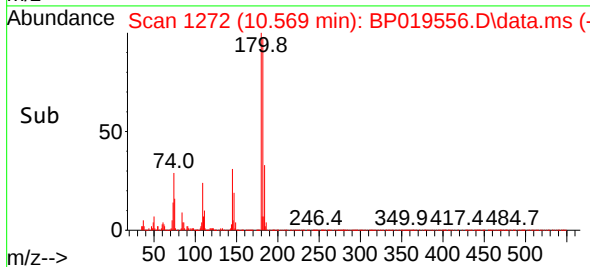
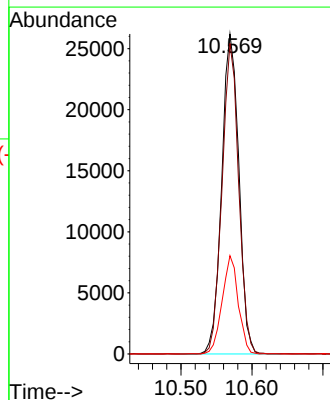
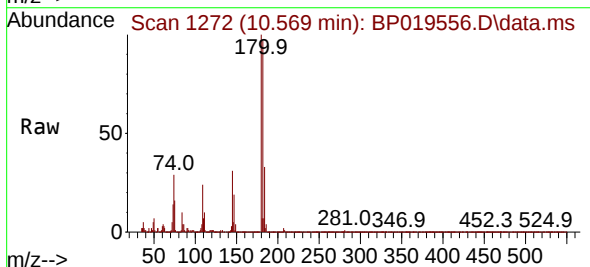
Tgt Ion:180 Resp: 43745

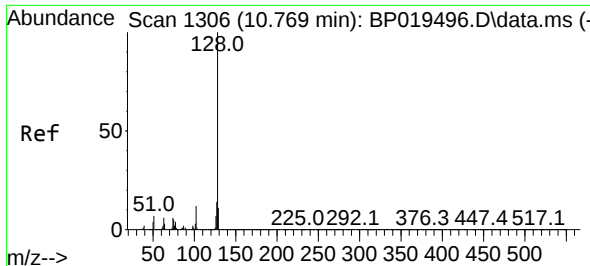
Ion Ratio Lower Upper

180 100

182 97.1 77.0 115.6

145 30.7 23.2 34.8

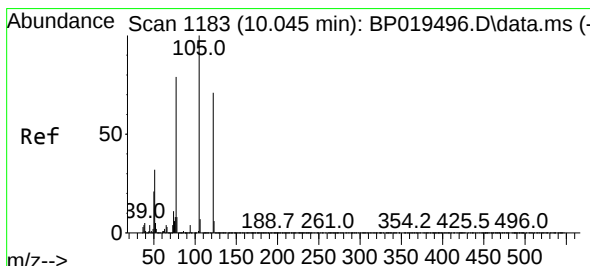
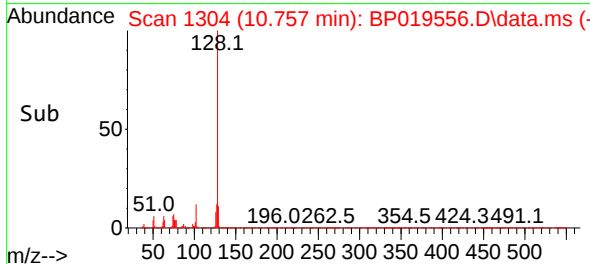
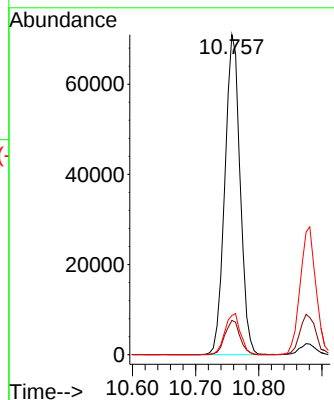
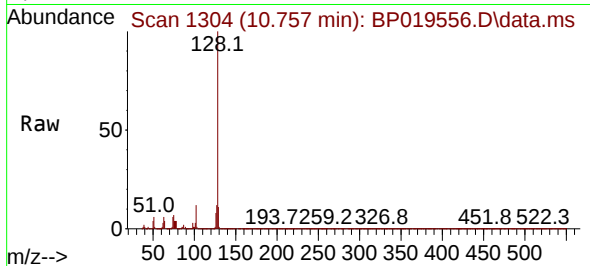




#31
Naphthalene
Concen: 7.932 ng
RT: 10.757 min Scan# 1168
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

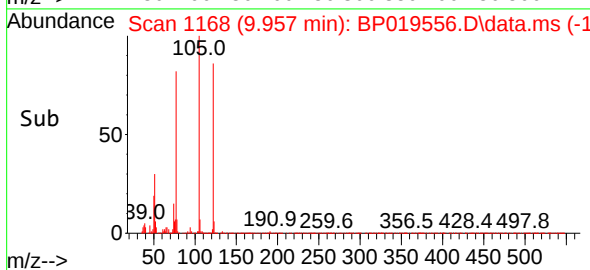
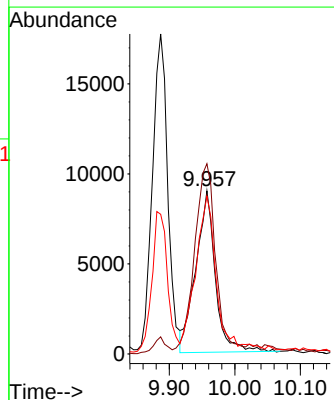
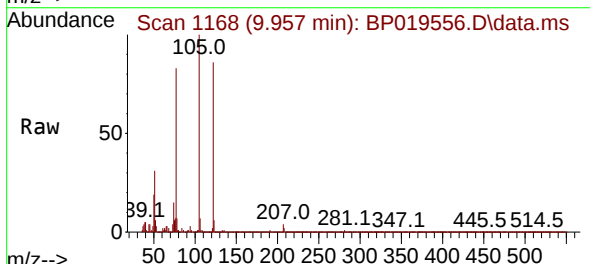
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

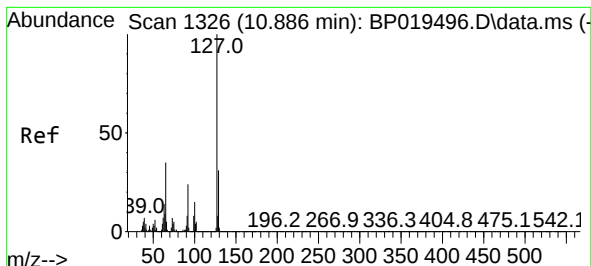
Tgt Ion:128 Resp: 118809
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 12.3 10.8 16.2



#32
Benzoic acid
Concen: 6.166 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.088 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:122 Resp: 18588
Ion Ratio Lower Upper
122 100
105 116.7 118.8 158.8#
77 96.8 91.7 131.7





#33

4-Chloroaniline

Concen: 8.911 ng

RT: 10.881 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:127 Resp: 49363

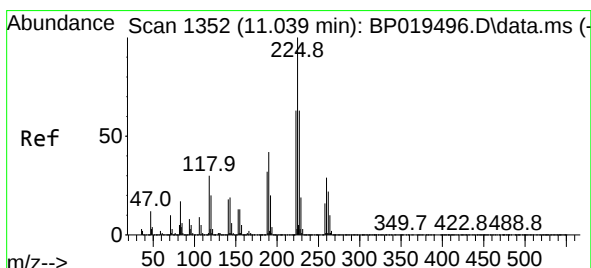
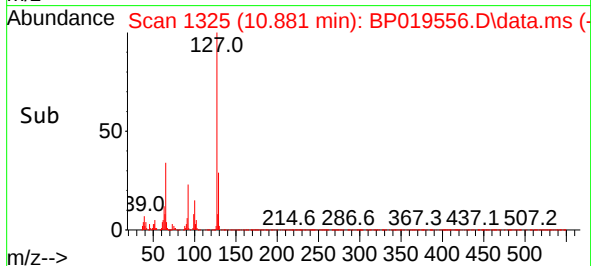
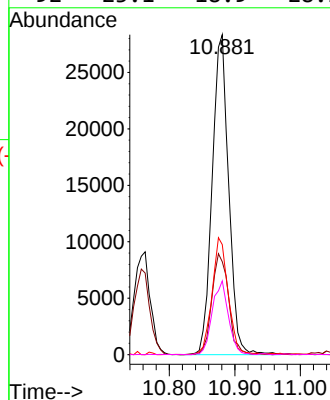
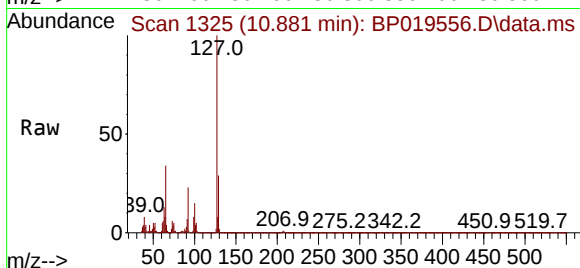
Ion Ratio Lower Upper

127 100

129 29.1 24.6 36.8

65 34.4 28.2 42.4

92 23.1 18.9 28.3



#34

Hexachlorobutadiene

Concen: 7.365 ng

RT: 11.034 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

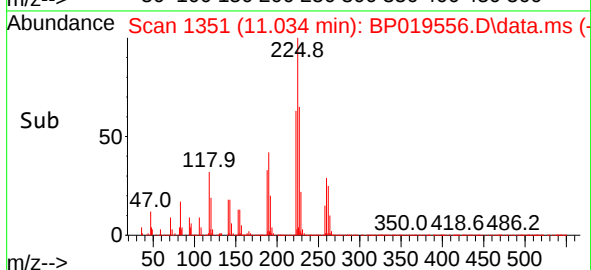
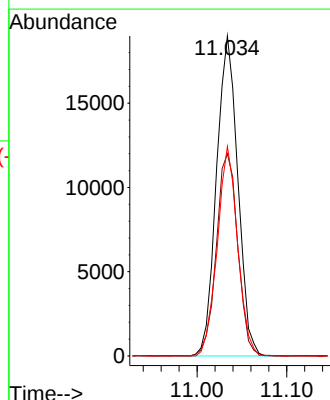
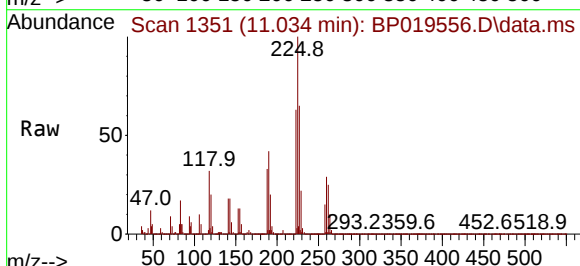
Tgt Ion:225 Resp: 31298

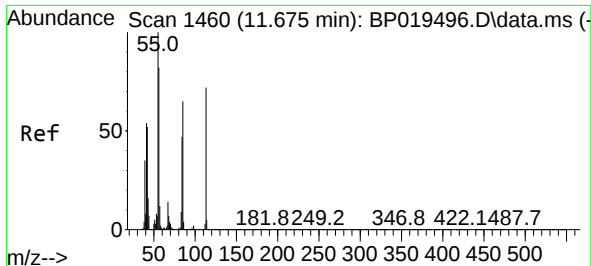
Ion Ratio Lower Upper

225 100

223 63.2 50.5 75.7

227 65.5 50.2 75.2

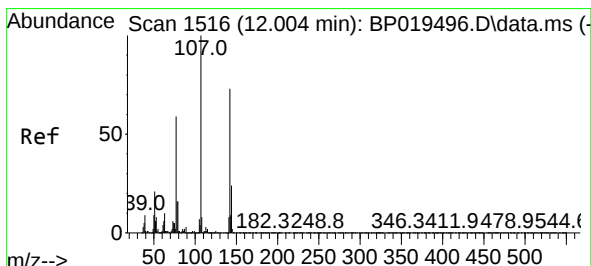
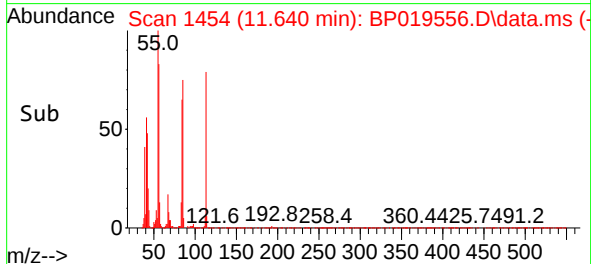
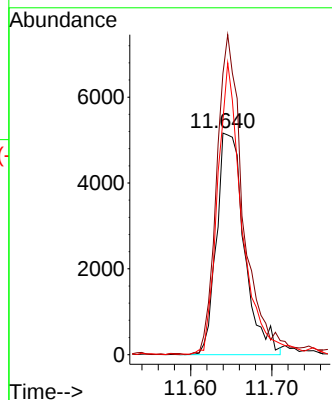
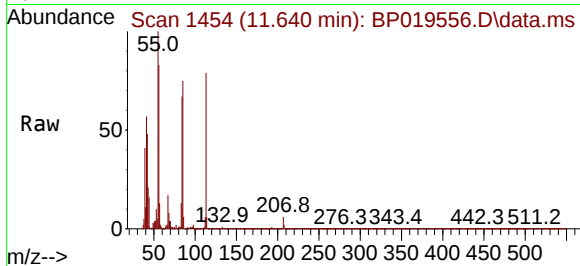




#35
Caprolactam
Concen: 9.242 ng
RT: 11.640 min Scan# 1460
Delta R.T. -0.035 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

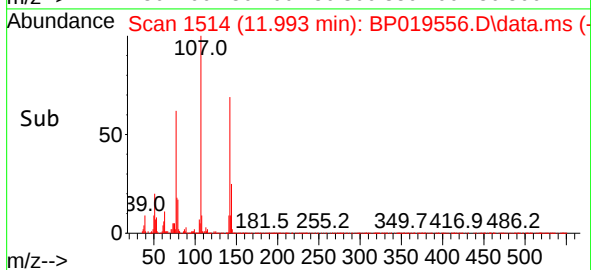
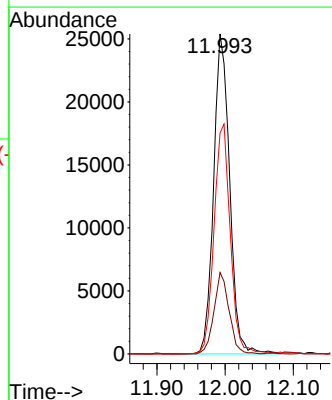
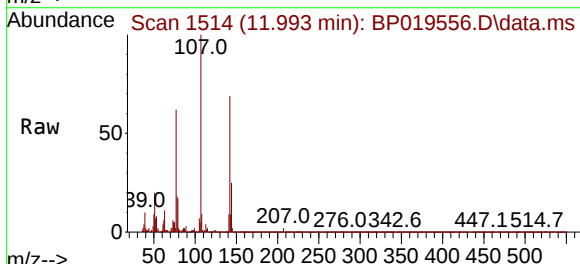
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

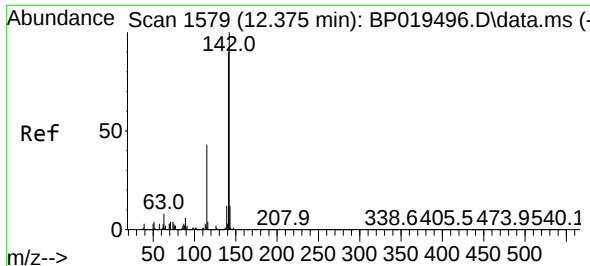
Tgt Ion	Ratio	Lower	Upper
113	100		
55	126.9	120.0	160.0
56	105.7	94.0	134.0



#36
4-Chloro-3-methylphenol
Concen: 8.148 ng
RT: 11.993 min Scan# 1514
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.4	19.0	28.4
142	69.0	58.6	88.0

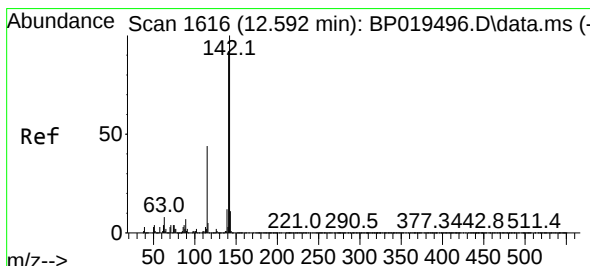
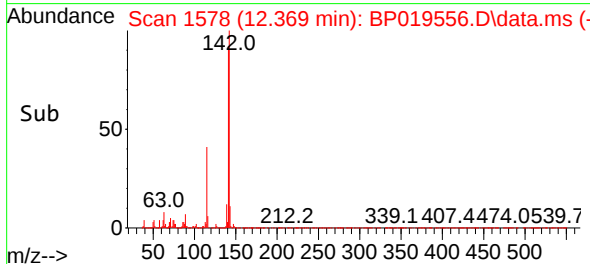
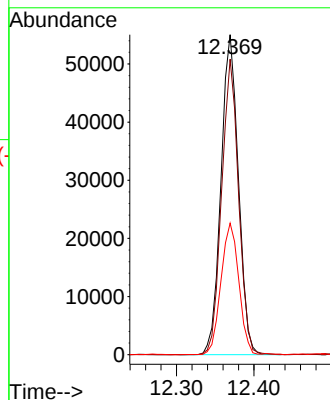
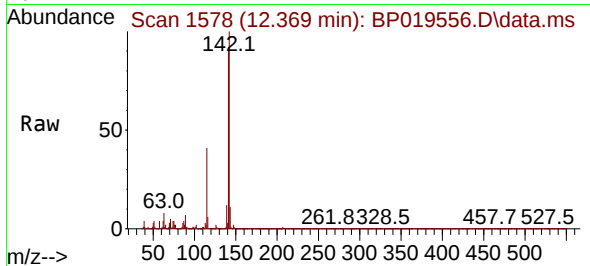




#37
2-Methylnaphthalene
Concen: 8.279 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

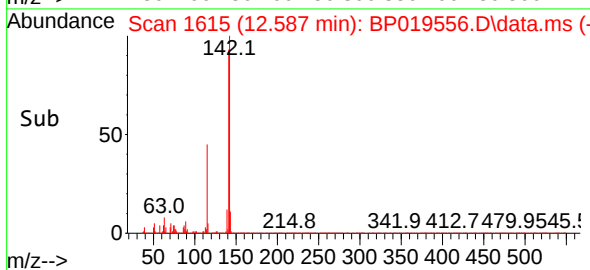
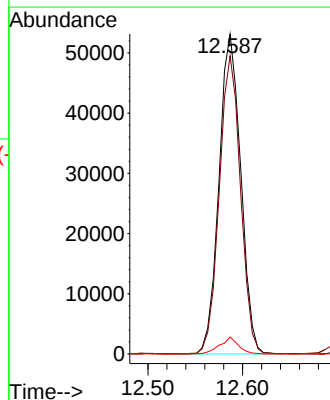
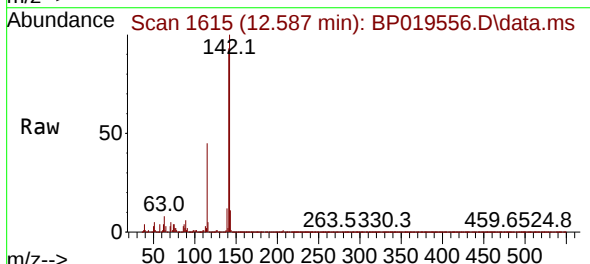
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

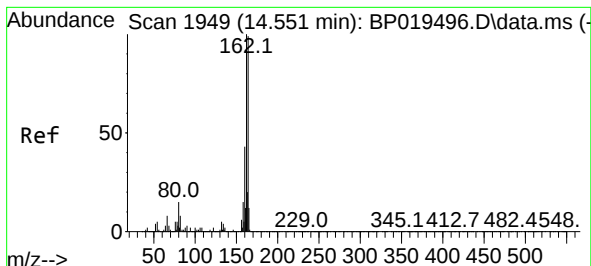
Tgt Ion:142 Resp: 85818
Ion Ratio Lower Upper
142 100
141 92.3 72.2 108.4
115 41.1 34.2 51.2



#38
1-Methylnaphthalene
Concen: 8.309 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:142 Resp: 84639
Ion Ratio Lower Upper
142 100
141 93.2 74.0 111.0
116 5.3 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: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

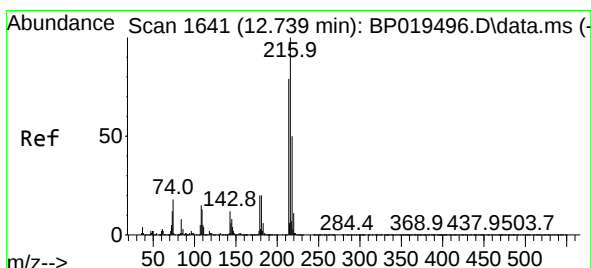
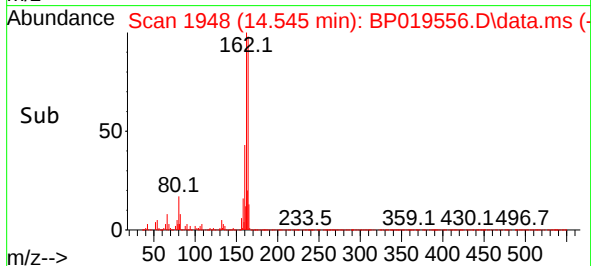
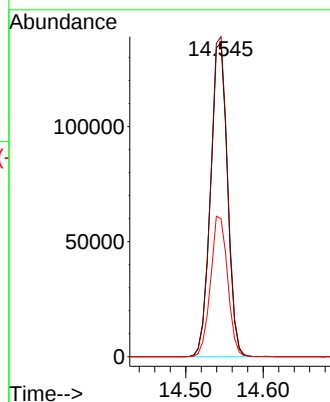
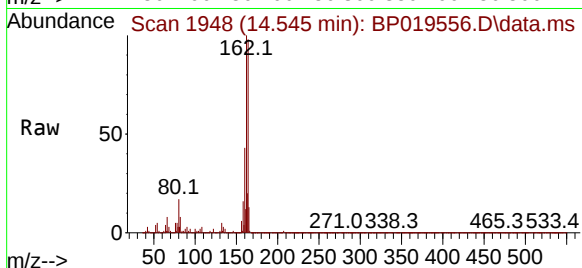
Tgt Ion:164 Resp: 206538

Ion Ratio Lower Upper

164 100

162 101.9 81.2 121.8

160 43.9 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.264 ng

RT: 12.728 min Scan# 1639

Delta R.T. -0.011 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Tgt Ion:216 Resp: 57861

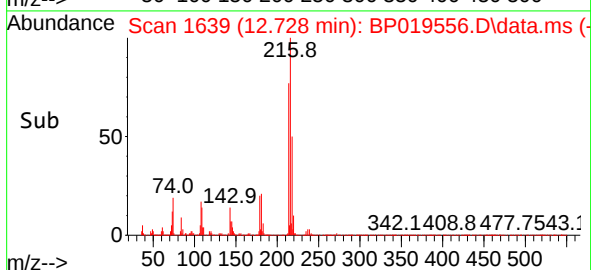
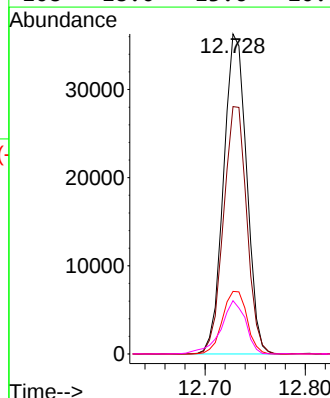
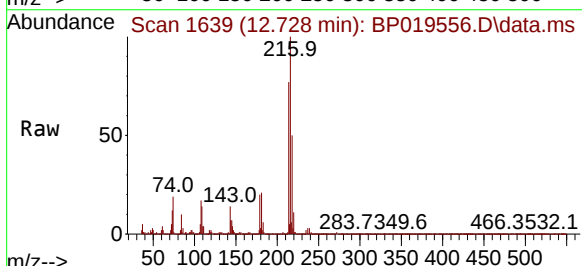
Ion Ratio Lower Upper

216 100

214 78.2 62.8 94.2

179 20.7 16.6 24.8

108 18.0 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 8.546 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

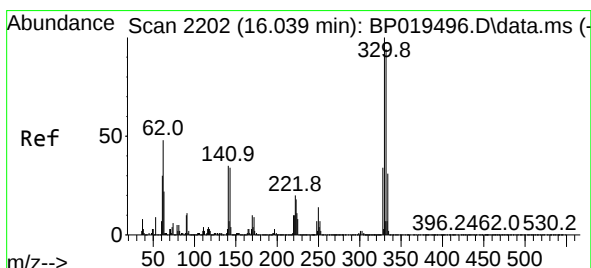
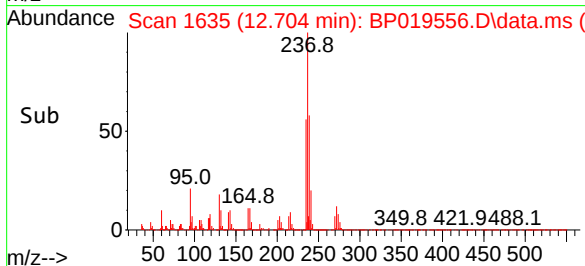
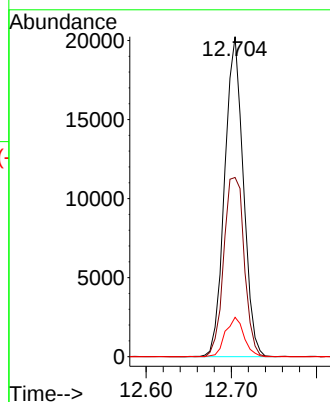
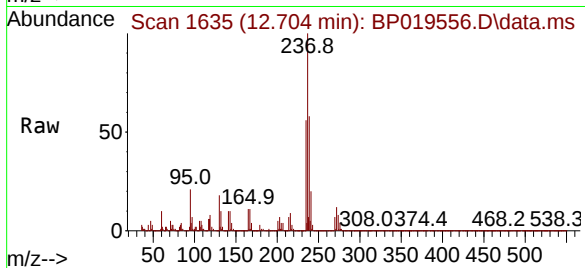
Tgt Ion:237 Resp: 30751

Ion Ratio Lower Upper

237 100

235 56.0 43.7 83.7

272 12.3 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 119.401 ng

RT: 16.039 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

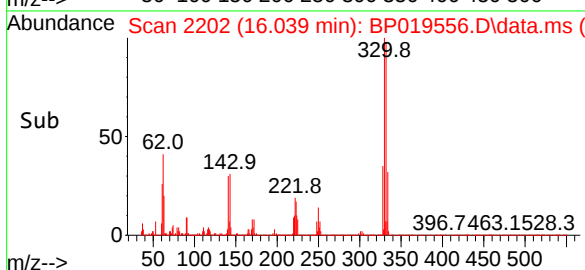
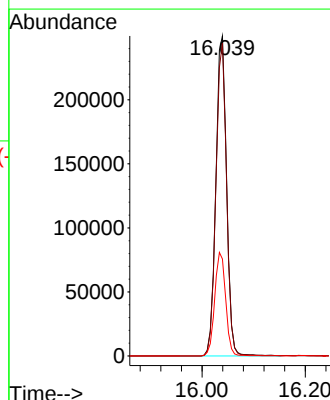
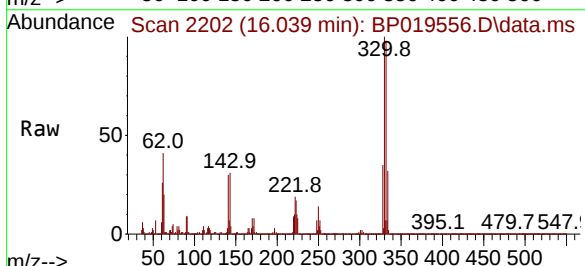
Tgt Ion:330 Resp: 360067

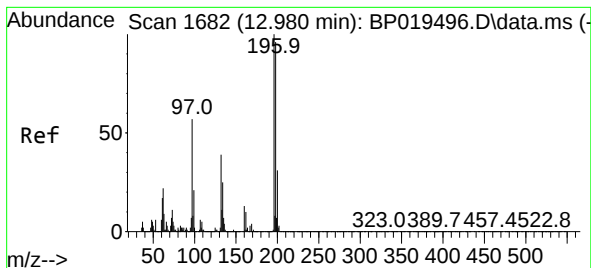
Ion Ratio Lower Upper

330 100

332 96.6 77.2 115.8

141 33.1 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 6.780 ng

RT: 12.975 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

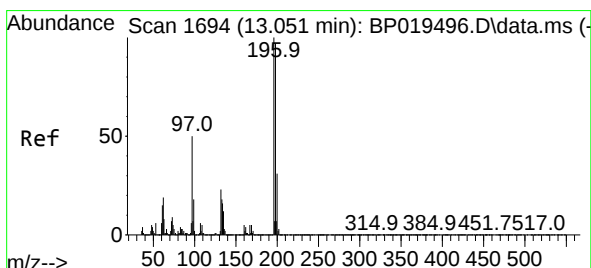
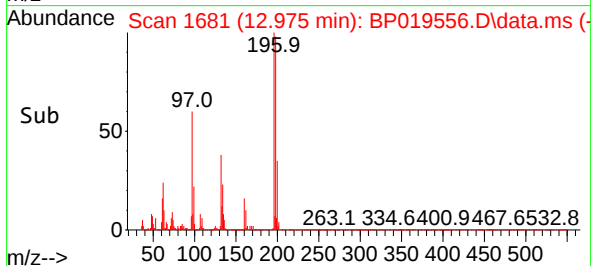
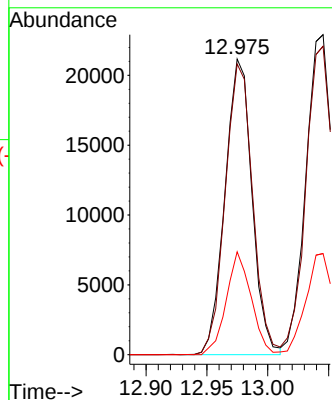
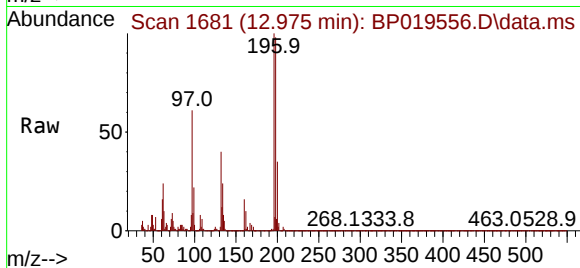
Tgt Ion:196 Resp: 32702

Ion Ratio Lower Upper

196 100

198 98.3 76.7 115.1

200 34.8 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 7.090 ng

RT: 13.045 min Scan# 1693

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Tgt Ion:196 Resp: 37553

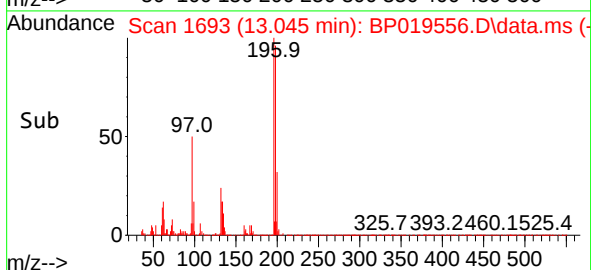
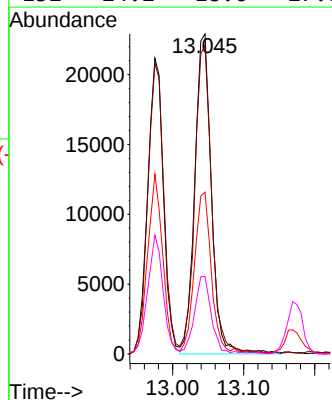
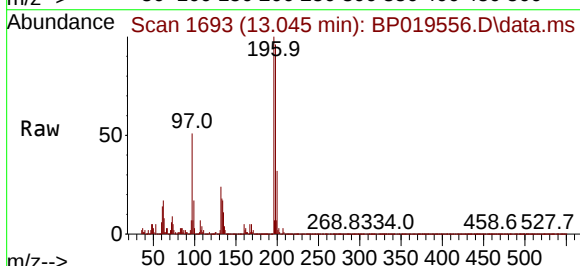
Ion Ratio Lower Upper

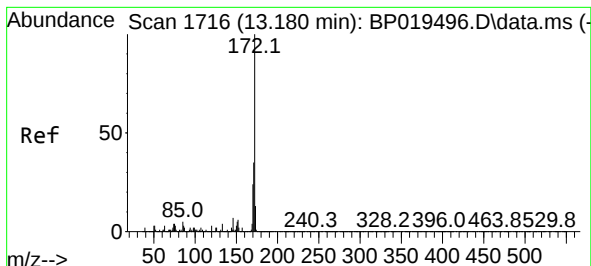
196 100

198 96.4 77.5 116.3

97 50.5 39.9 59.9

132 24.2 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 71.628 ng

RT: 13.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

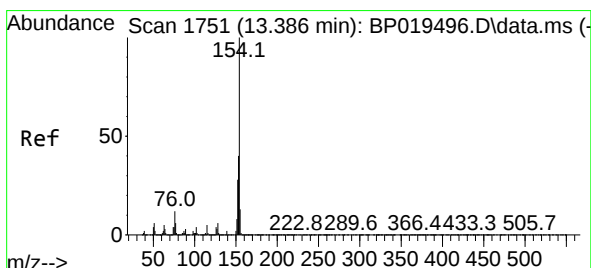
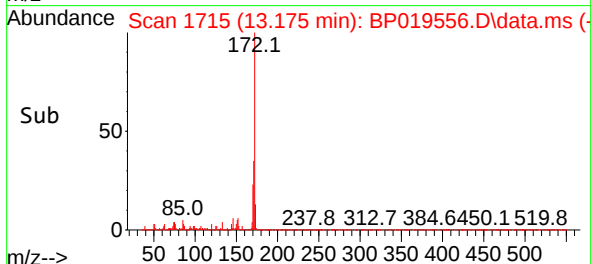
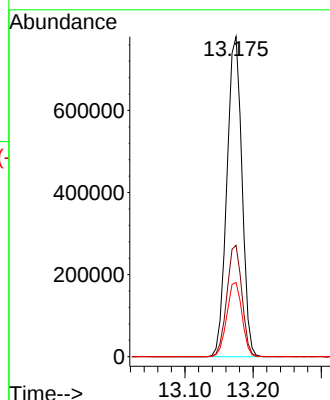
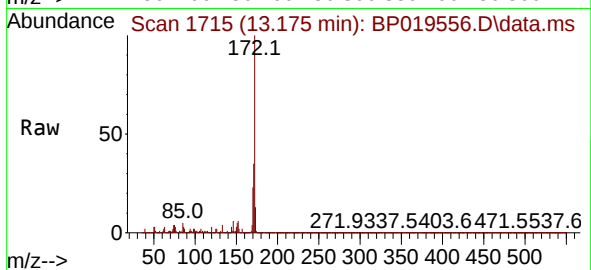
Tgt Ion:172 Resp: 1196698

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 23.2 18.9 28.3



#46

1,1'-Biphenyl

Concen: 7.694 ng

RT: 13.381 min Scan# 1750

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

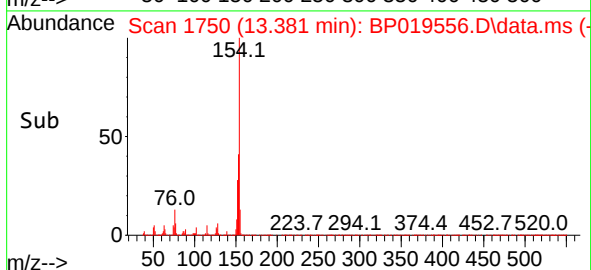
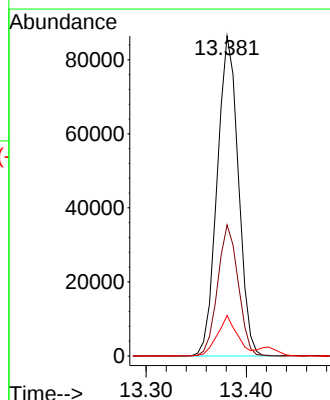
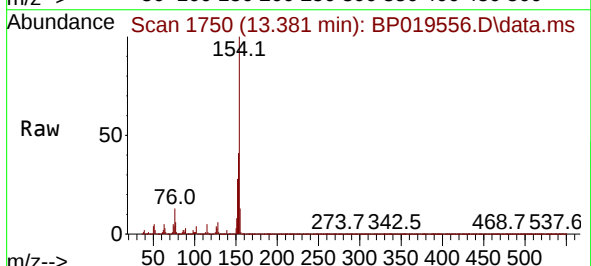
Tgt Ion:154 Resp: 126827

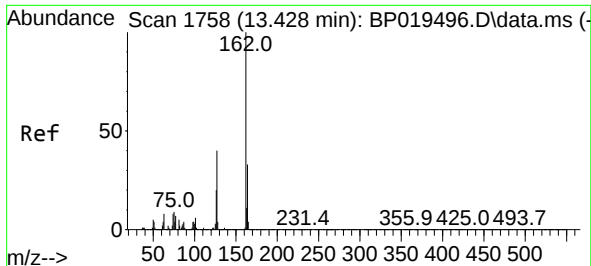
Ion Ratio Lower Upper

154 100

153 41.0 20.2 60.2

76 12.7 0.0 31.6

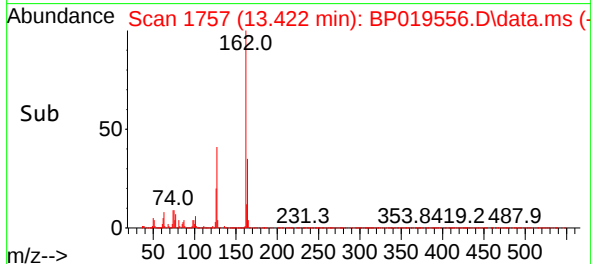
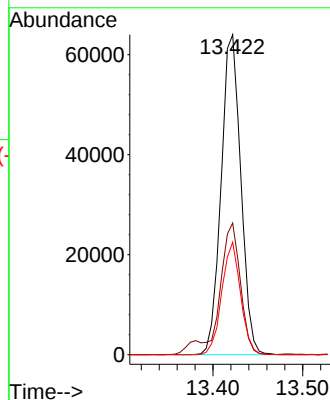
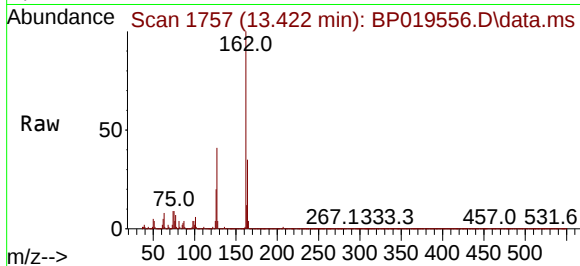




#47
2-Chloronaphthalene
Concen: 7.214 ng
RT: 13.422 min Scan# 1757
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

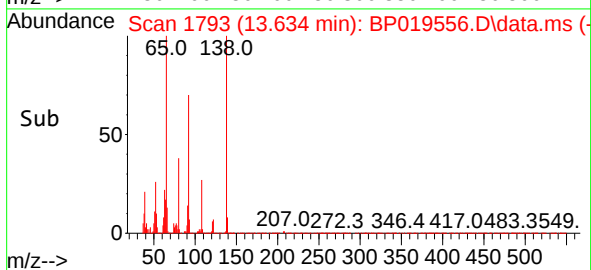
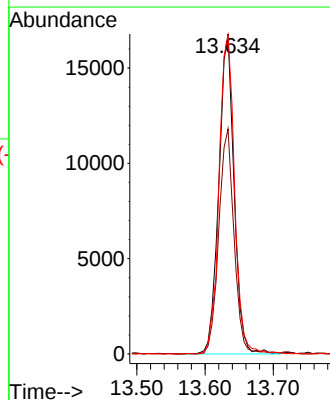
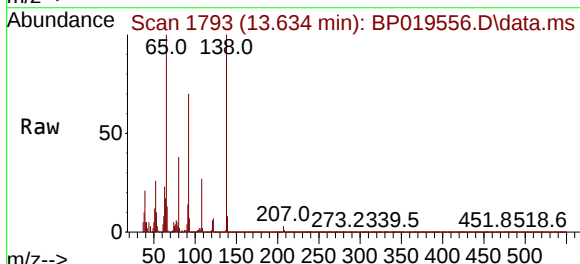
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2023

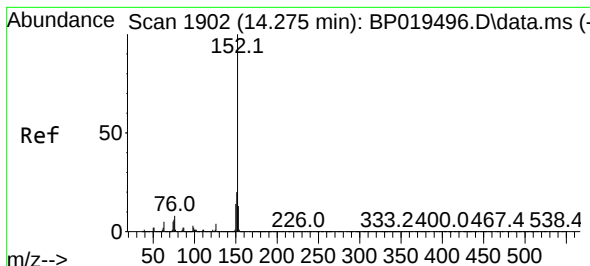
Tgt Ion:	162	Resp:	97614
Ion Ratio	Lower	Upper	
162	100		
127	41.2	32.1	48.1
164	35.2	26.7	40.1



#48
2-Nitroaniline
Concen: 6.881 ng
RT: 13.634 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:	65	Resp:	26035
Ion Ratio	Lower	Upper	
65	100		
92	70.4	54.7	82.1
138	99.6	77.8	116.6





#49

Acenaphthylene

Concen: 8.283 ng

RT: 14.263 min Scan# 1902

Delta R.T. -0.011 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

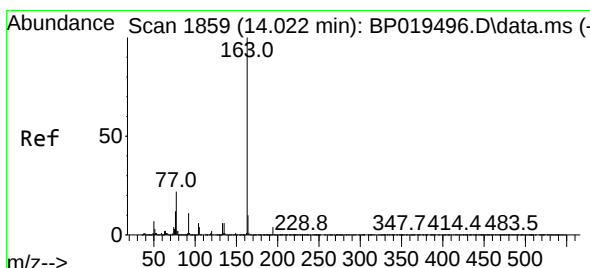
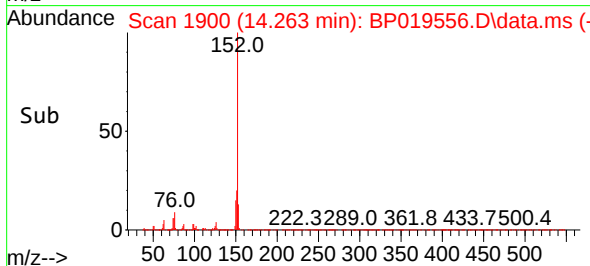
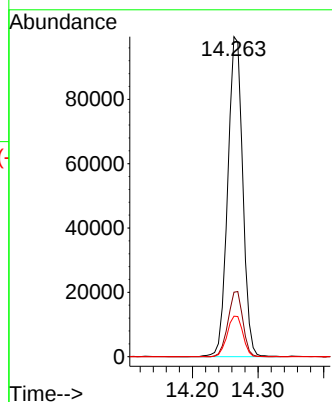
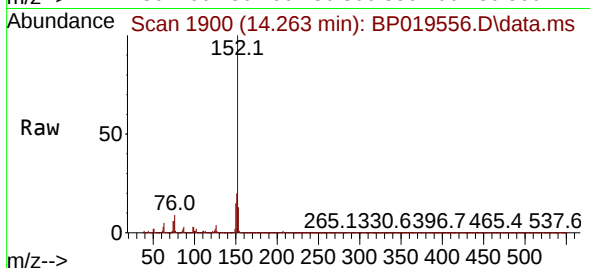
Tgt Ion:152 Resp: 157247

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.6

153 12.6 10.6 15.8



#50

Dimethylphthalate

Concen: 8.303 ng

RT: 14.010 min Scan# 1857

Delta R.T. -0.011 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

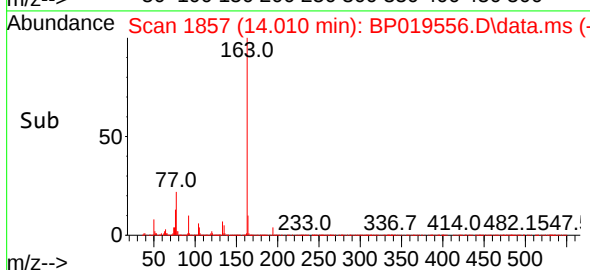
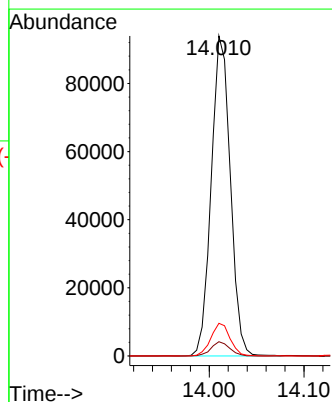
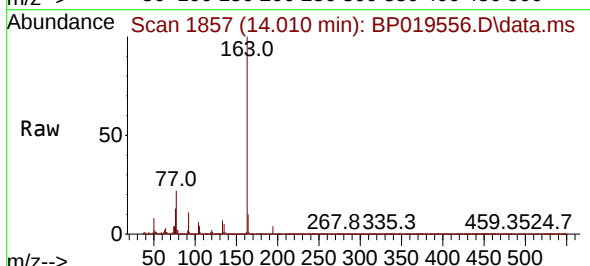
Tgt Ion:163 Resp: 131284

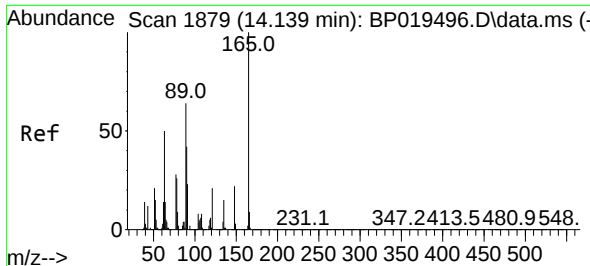
Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

164 10.2 7.8 11.6

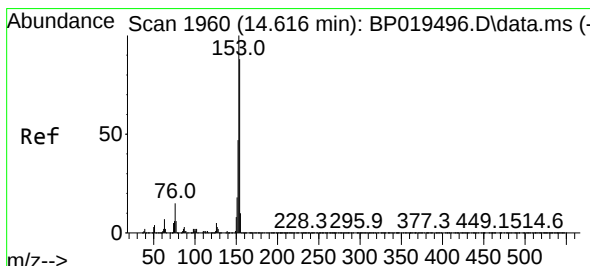
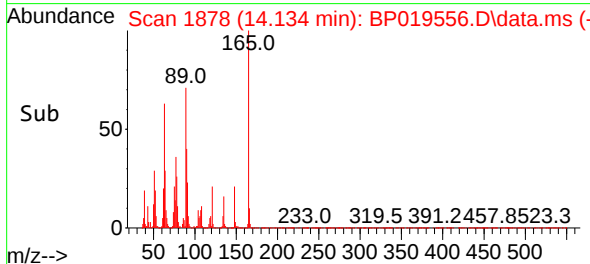
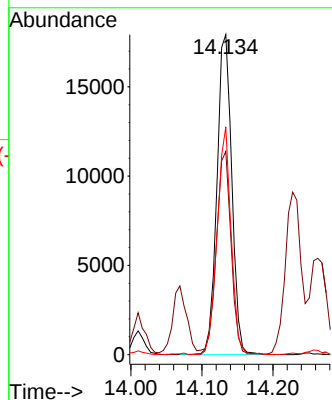
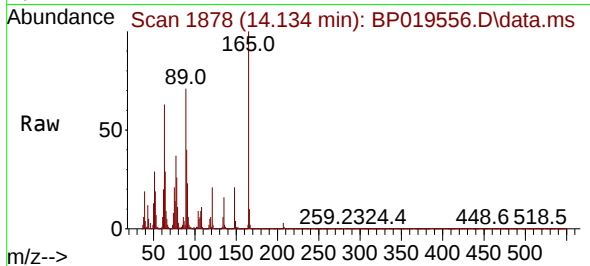




#51
2,6-Dinitrotoluene
Concen: 7.457 ng
RT: 14.134 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

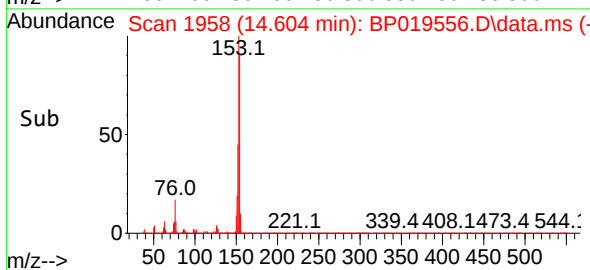
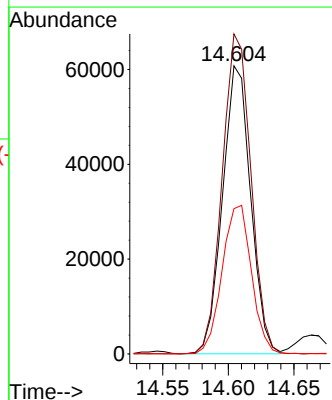
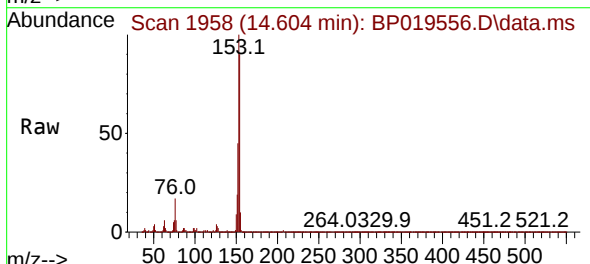
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

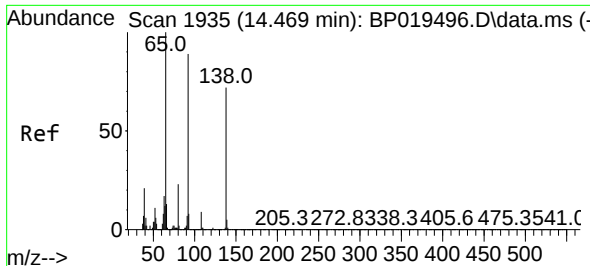
Tgt Ion:165 Resp: 25904
Ion Ratio Lower Upper
165 100
63 63.5 50.4 75.6
89 71.2 51.7 77.5



#52
Acenaphthene
Concen: 7.685 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:154 Resp: 90552
Ion Ratio Lower Upper
154 100
153 111.1 90.5 135.7
152 50.4 42.1 63.1

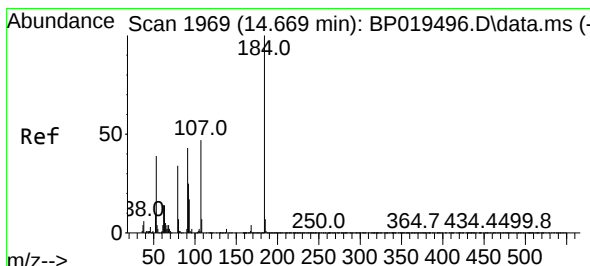
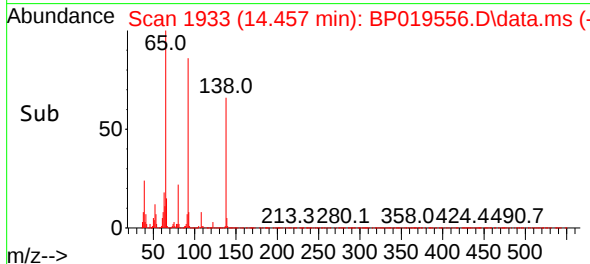
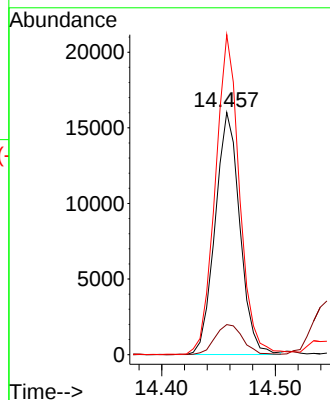
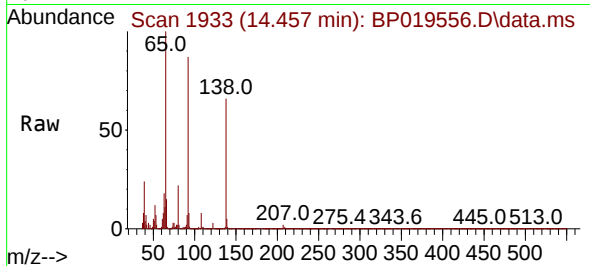




#53
3-Nitroaniline
Concen: 7.585 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

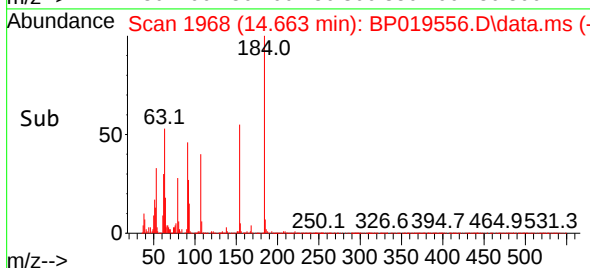
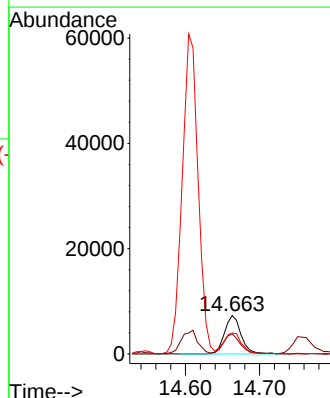
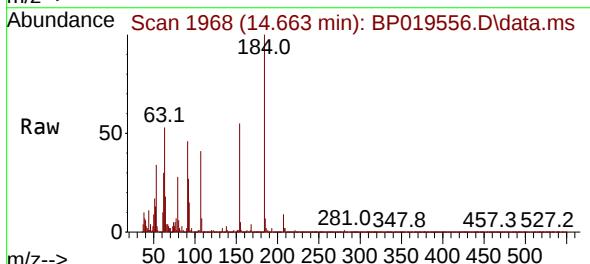
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

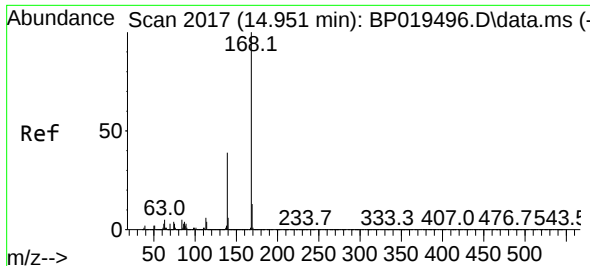
Tgt Ion:138 Resp: 24214
Ion Ratio Lower Upper
138 100
108 12.4 9.7 14.5
92 132.1 98.0 147.0



#54
2,4-Dinitrophenol
Concen: 6.250 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:184 Resp: 11272
Ion Ratio Lower Upper
184 100
63 52.9 50.5 75.7
154 54.7 53.4 80.0

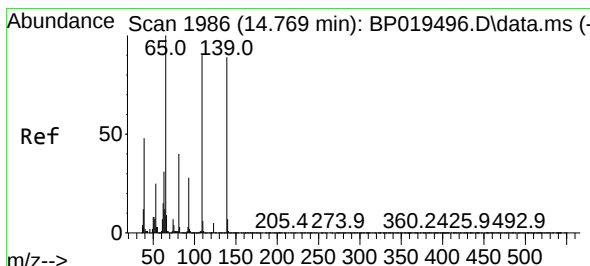
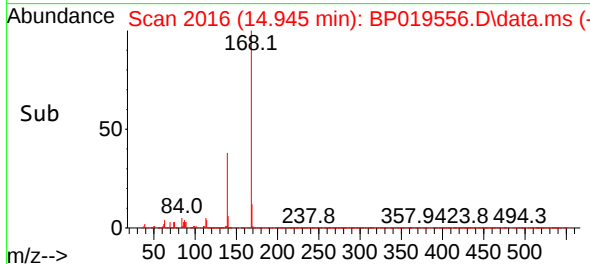
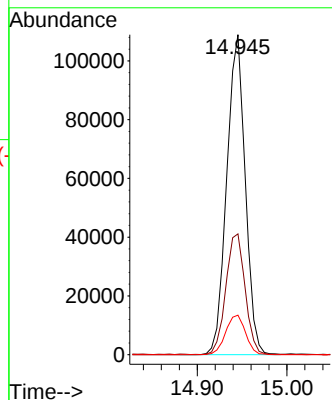
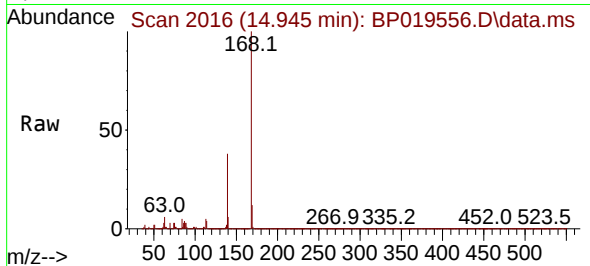




#55
Dibenzenofuran
Concen: 8.116 ng
RT: 14.945 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

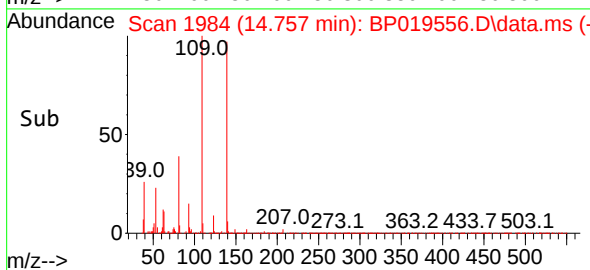
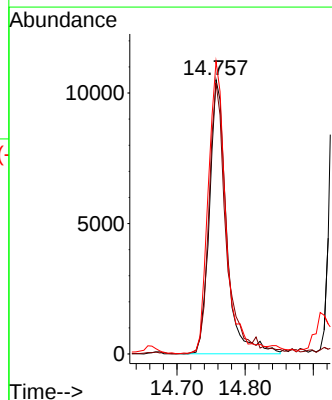
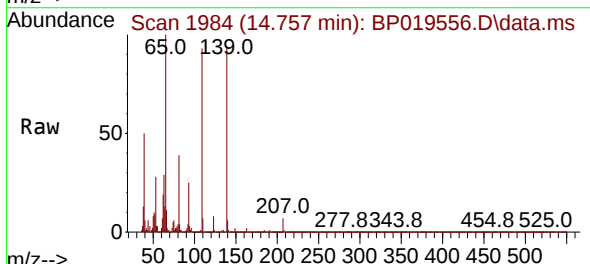
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

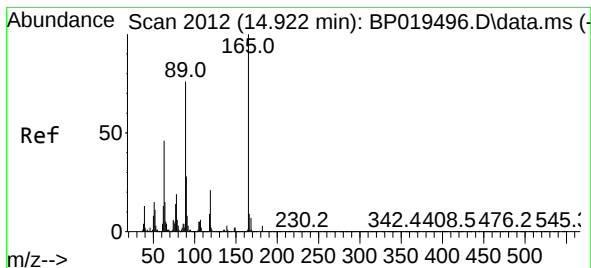
Tgt Ion:168 Resp: 155744
Ion Ratio Lower Upper
168 100
139 37.8 31.5 47.3
169 12.4 10.3 15.5



#56
4-Nitrophenol
Concen: 7.000 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:139 Resp: 18316
Ion Ratio Lower Upper
139 100
109 98.8 82.0 122.0
65 106.6 92.9 132.9

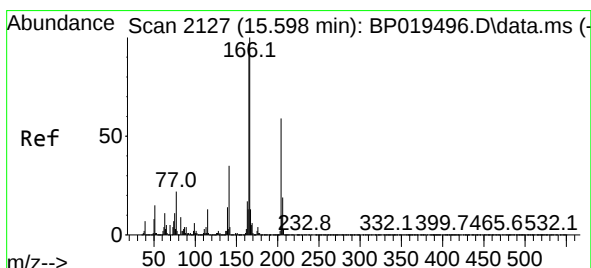
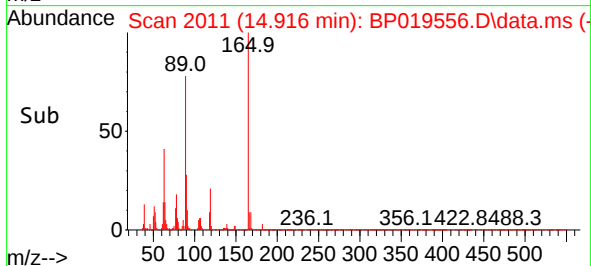
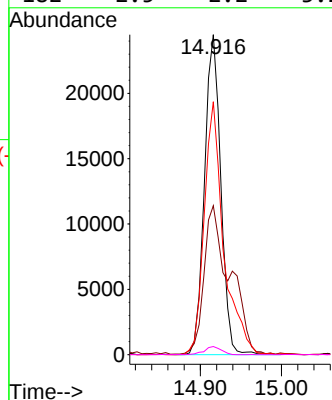
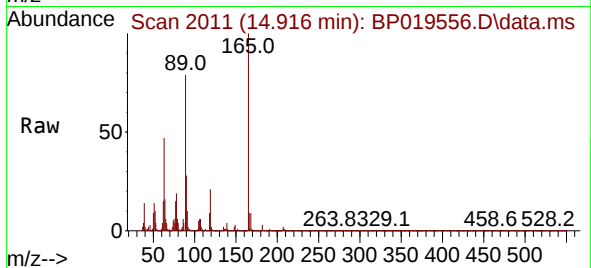




#57
2,4-Dinitrotoluene
Concen: 7.493 ng
RT: 14.916 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

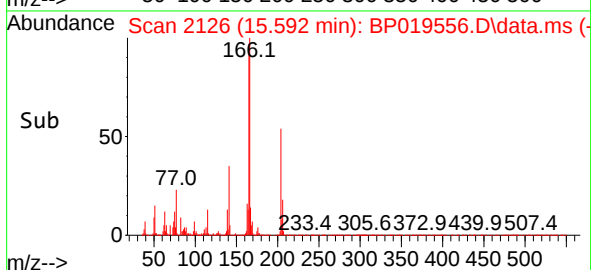
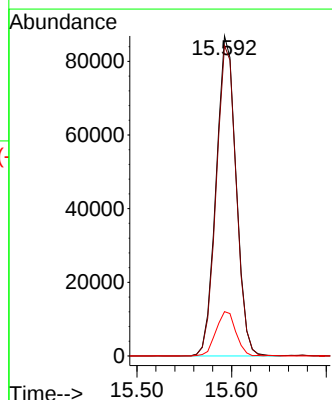
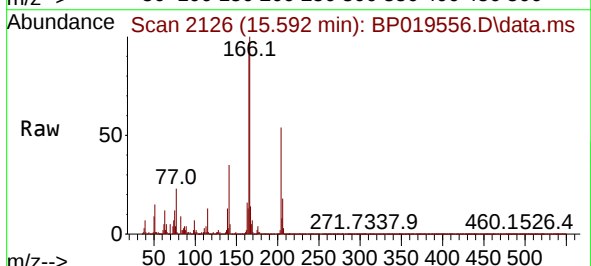
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

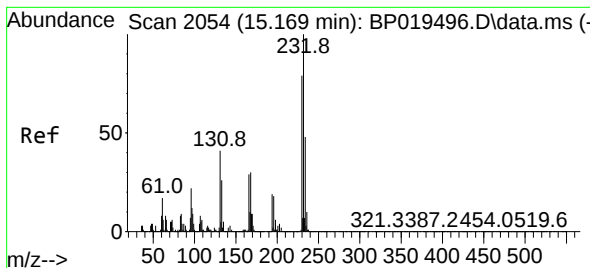
Tgt Ion:	165	Resp:	34108
Ion Ratio	Lower	Upper	
165	100		
63	46.6	36.9	55.3
89	79.0	61.1	91.7
182	2.5	2.2	3.2



#58
Fluorene
Concen: 8.330 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:	166	Resp:	127325
Ion Ratio	Lower	Upper	
166	100		
165	97.0	77.8	116.8
167	13.8	10.7	16.1

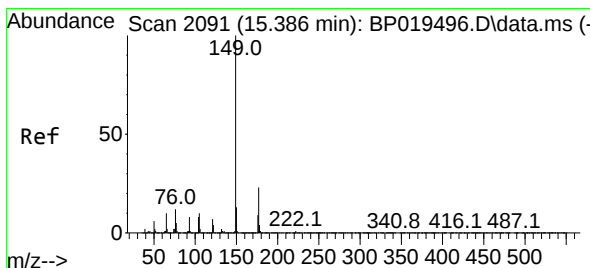
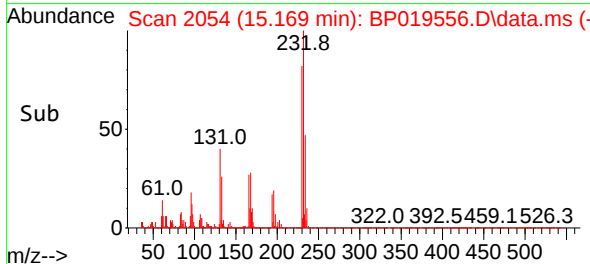
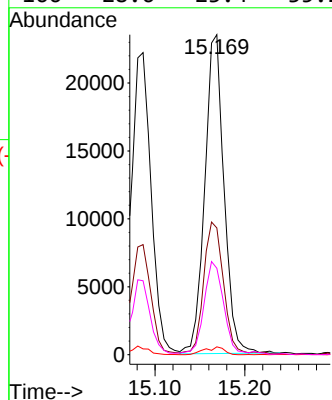
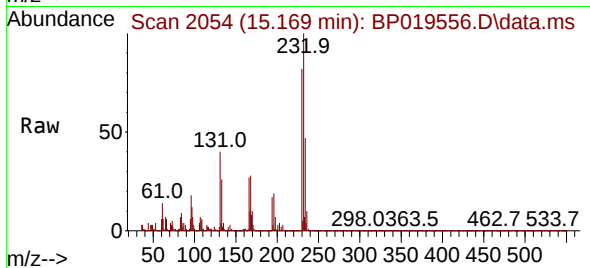




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.863 ng
RT: 15.169 min Scan# 2054
Delta R.T. 0.000 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

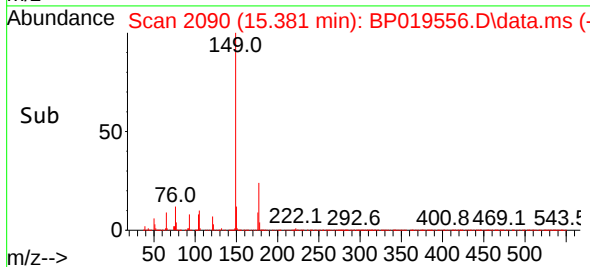
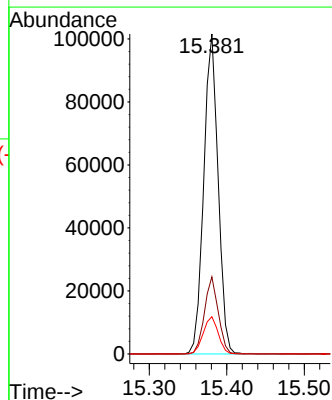
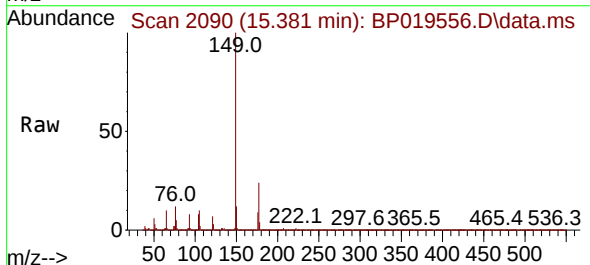
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

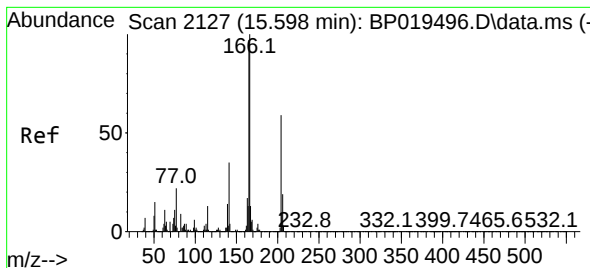
Tgt Ion:	232	Resp:	35028
Ion	Ratio	Lower	Upper
232	100		
131	43.5	32.4	48.6
130	2.5	1.9	2.9
166	28.6	23.4	35.2



#60
Diethylphthalate
Concen: 8.297 ng
RT: 15.381 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:	149	Resp:	130484
Ion	Ratio	Lower	Upper
149	100		
177	24.1	18.2	27.2
150	11.7	10.2	15.4

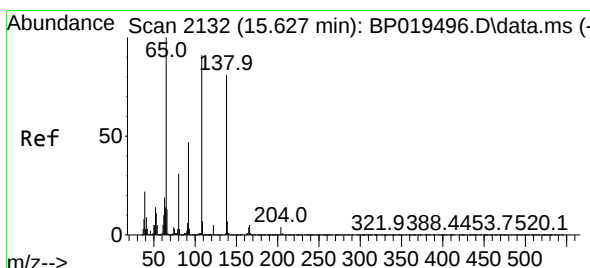
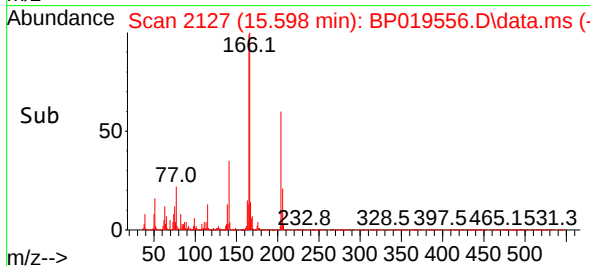
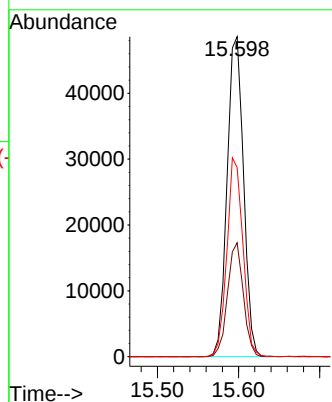
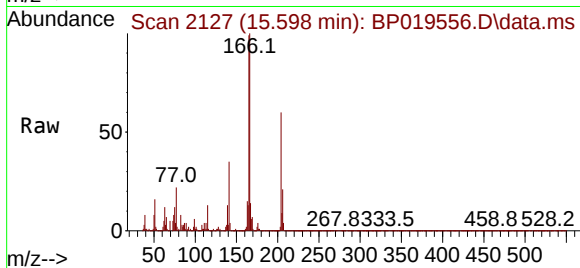




#61
4-Chlorophenyl-phenylether
Concen: 7.967 ng
RT: 15.598 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

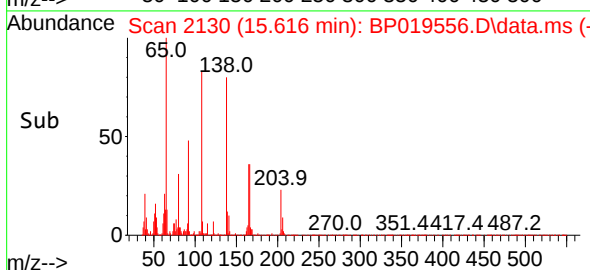
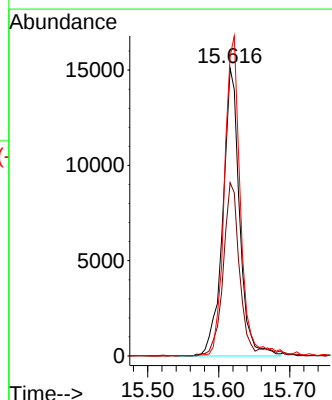
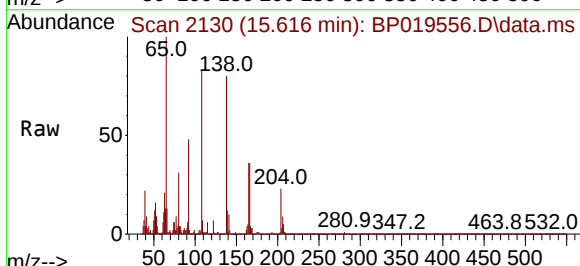
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

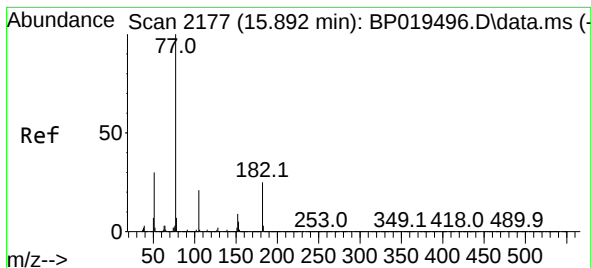
Tgt Ion:204 Resp: 68441
Ion Ratio Lower Upper
204 100
206 35.6 26.5 39.7
141 59.1 48.5 72.7



#62
4-Nitroaniline
Concen: 7.401 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:138 Resp: 24765
Ion Ratio Lower Upper
138 100
92 60.2 38.3 78.3
108 104.1 91.2 131.2





#63

Azobenzene

Concen: 8.005 ng

RT: 15.886 min Scan# 2176

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion: 77 Resp: 121740

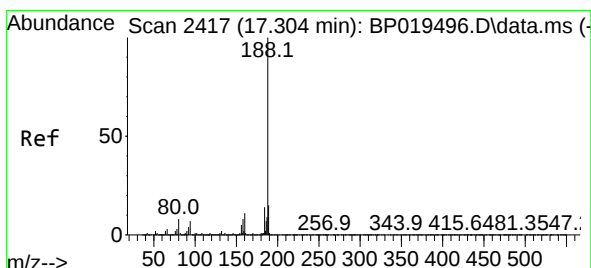
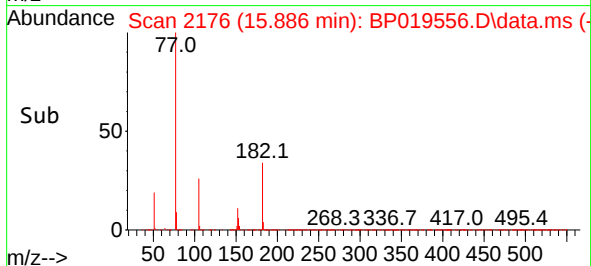
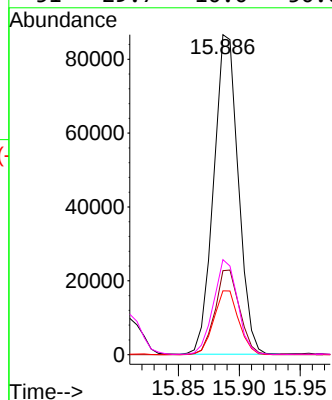
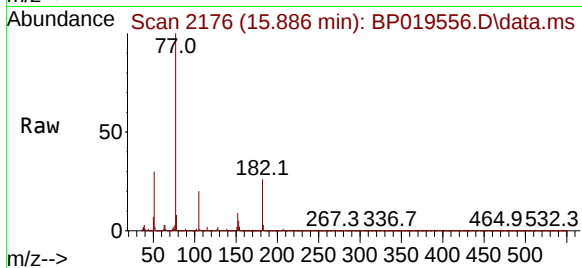
Ion Ratio Lower Upper

77 100

182 26.3 5.1 45.1

105 20.0 0.8 40.8

51 29.7 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: BP019556.D

Acq: 05 Feb 2024 11:24

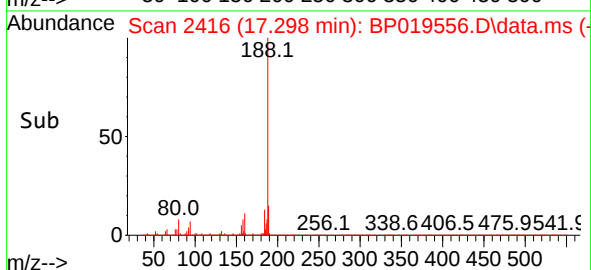
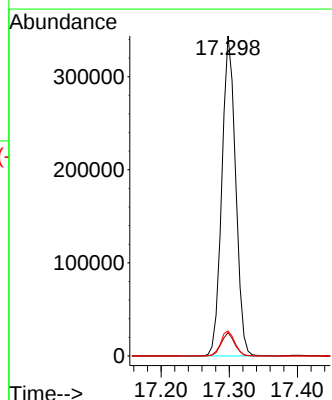
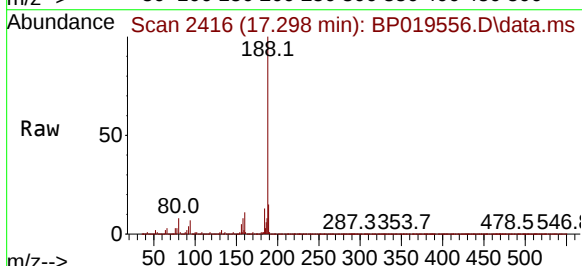
Tgt Ion: 188 Resp: 484081

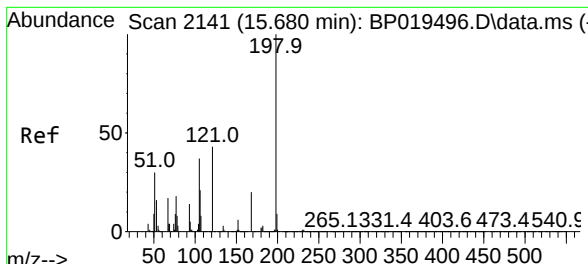
Ion Ratio Lower Upper

188 100

94 7.3 5.4 8.2

80 7.8 6.3 9.5

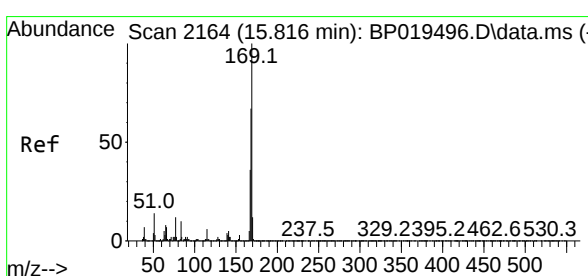
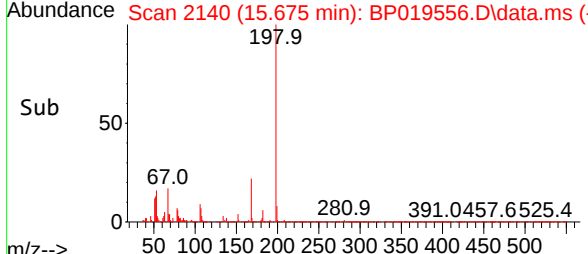
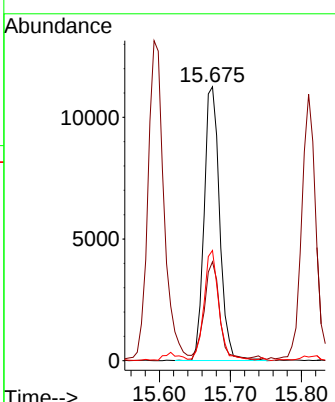
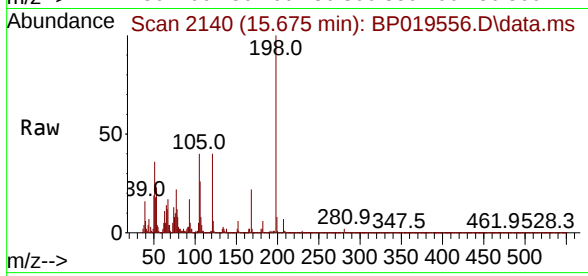




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.183 ng
 RT: 15.675 min Scan# 2140
 Delta R.T. -0.006 min
 Lab File: BP019556.D
 Acq: 05 Feb 2024 11:24

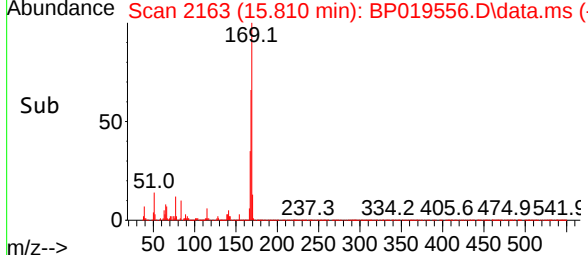
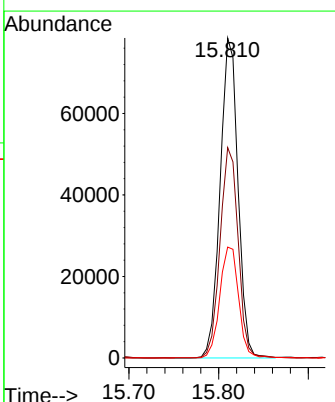
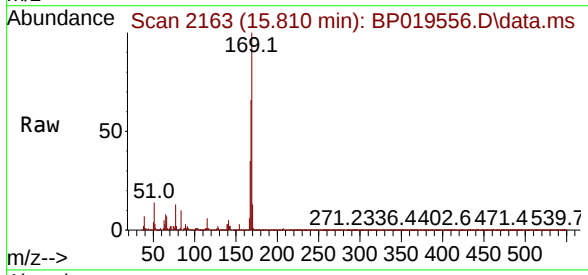
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Tgt Ion:	198	Resp:	17066
Ion Ratio	Lower	Upper	
198	100		
51	36.1	21.2	61.2
105	40.2	19.1	59.1



#66
 n-Nitrosodiphenylamine
 Concen: 7.476 ng
 RT: 15.810 min Scan# 2163
 Delta R.T. -0.006 min
 Lab File: BP019556.D
 Acq: 05 Feb 2024 11:24

Tgt Ion:	169	Resp:	108384
Ion Ratio	Lower	Upper	
169	100		
168	65.8	53.4	80.2
167	34.7	28.9	43.3

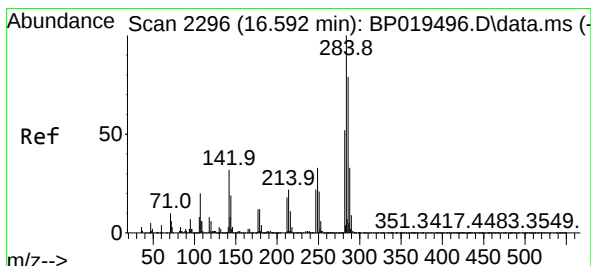
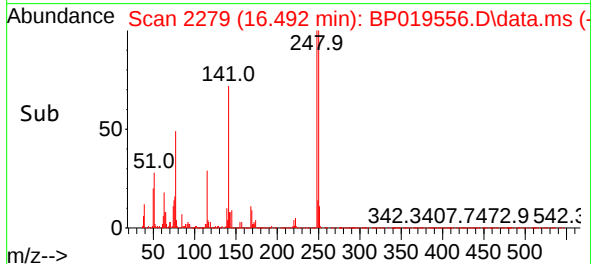
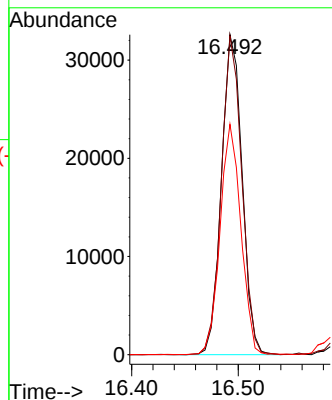
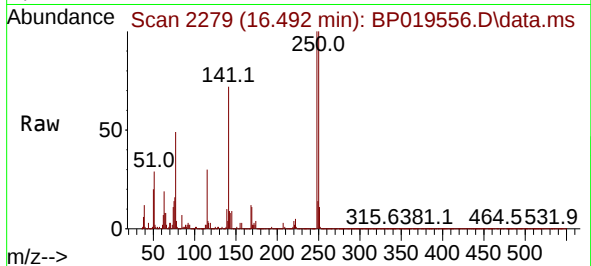




#67
4-Bromophenyl-phenylether
Concen: 7.243 ng
RT: 16.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

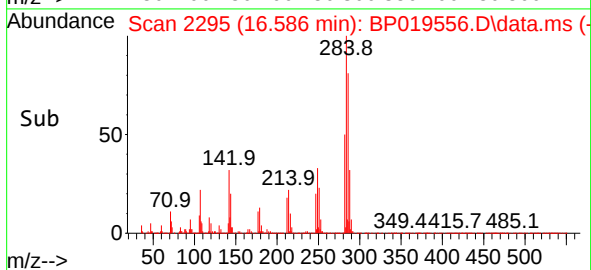
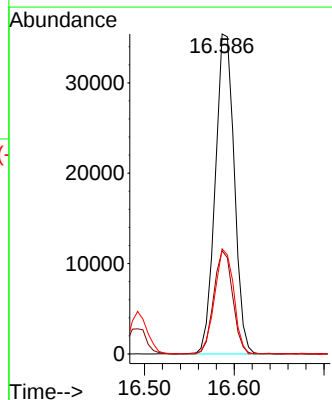
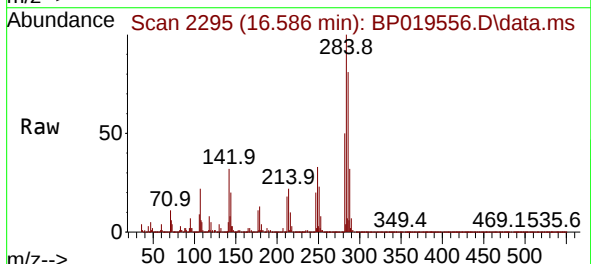
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

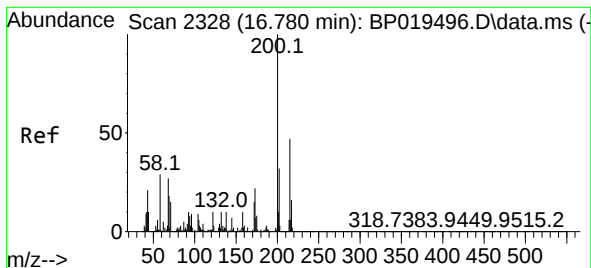
Tgt Ion:248 Resp: 43829
Ion Ratio Lower Upper
248 100
250 99.5 76.9 115.3
141 72.0 58.0 87.0



#68
Hexachlorobenzene
Concen: 7.389 ng
RT: 16.586 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:284 Resp: 52220
Ion Ratio Lower Upper
284 100
142 32.2 25.4 38.2
249 32.9 26.5 39.7





#69

Atrazine

Concen: 8.928 ng

RT: 16.775 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

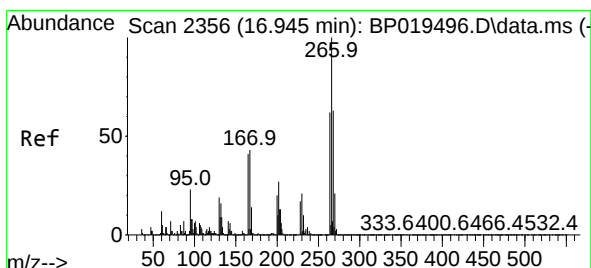
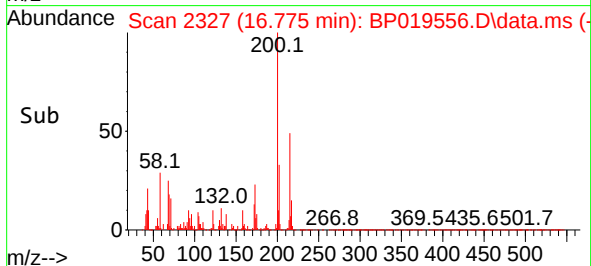
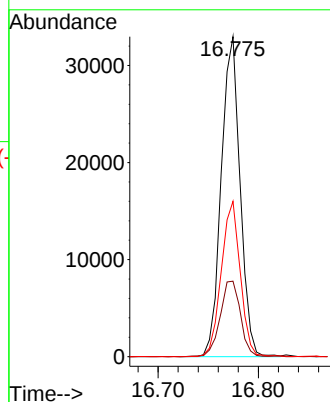
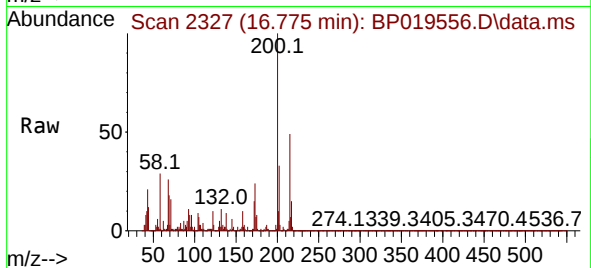
Tgt Ion:200 Resp: 42949

Ion Ratio Lower Upper

200 100

173 23.6 1.7 41.7

215 48.5 26.9 66.9



#70

Pentachlorophenol

Concen: 5.879 ng

RT: 16.939 min Scan# 2355

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

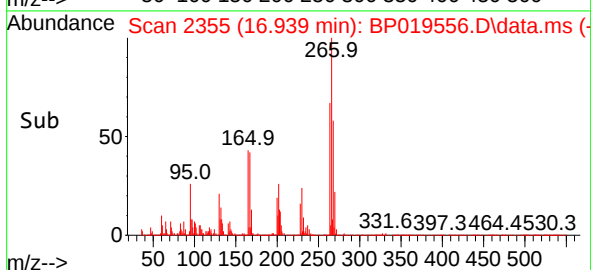
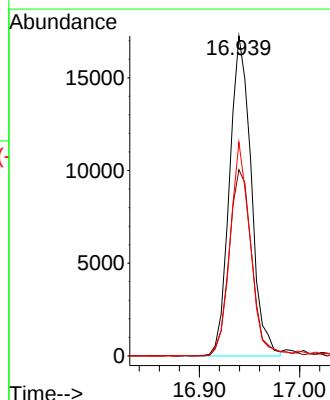
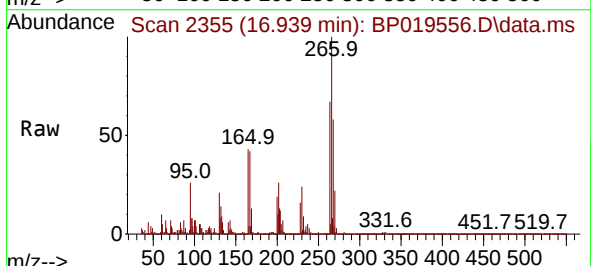
Tgt Ion:266 Resp: 25874

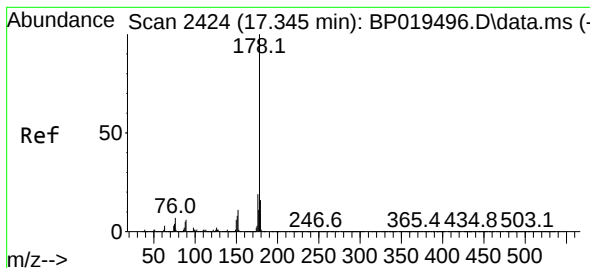
Ion Ratio Lower Upper

266 100

268 58.2 50.3 75.5

264 66.8 49.7 74.5





#71

Phenanthrene

Concen: 7.932 ng

RT: 17.345 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

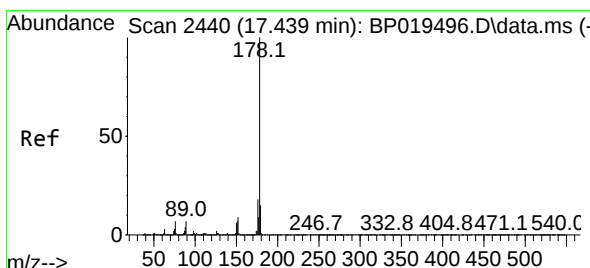
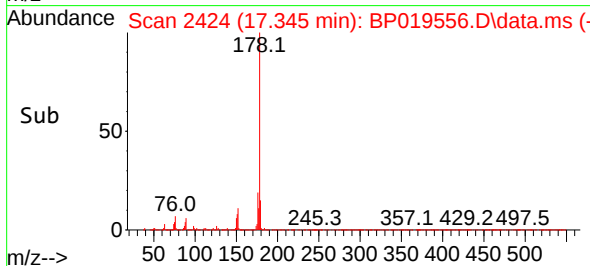
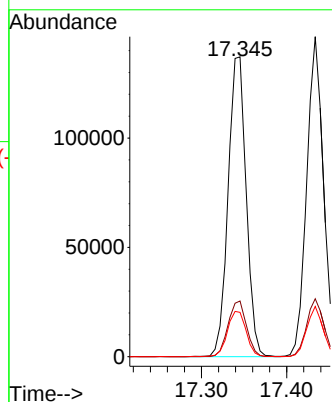
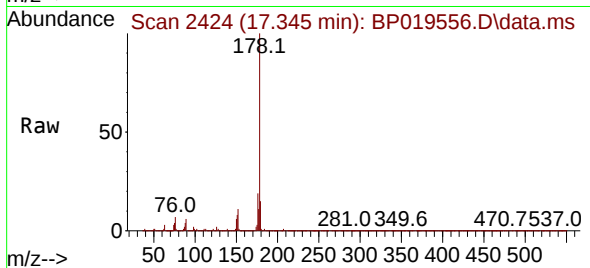
Tgt Ion:178 Resp: 202070

Ion Ratio Lower Upper

178 100

176 18.6 15.5 23.3

179 14.8 12.6 19.0



#72

Anthracene

Concen: 7.896 ng

RT: 17.433 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

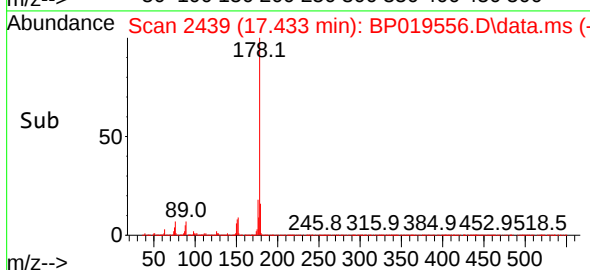
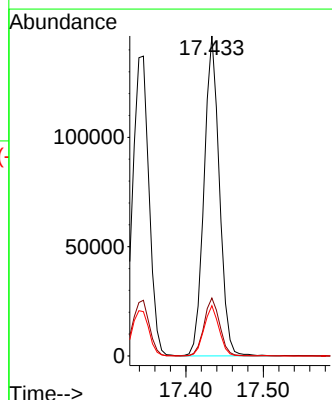
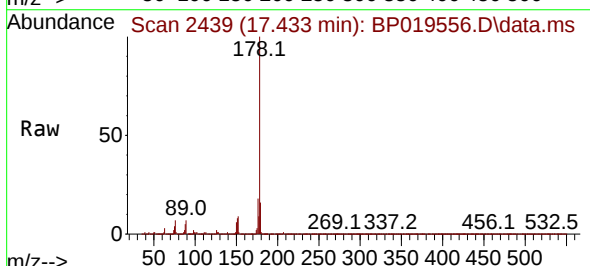
Tgt Ion:178 Resp: 200673

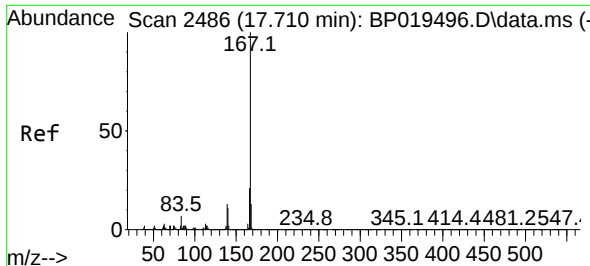
Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

179 15.7 12.2 18.2

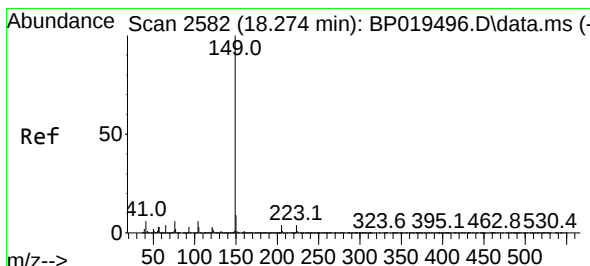
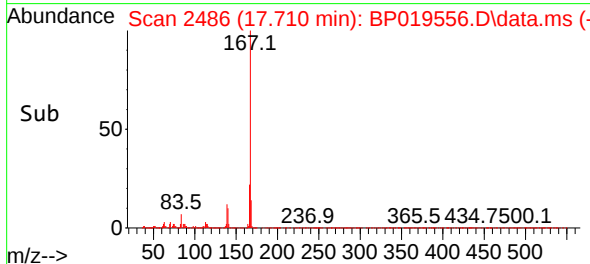
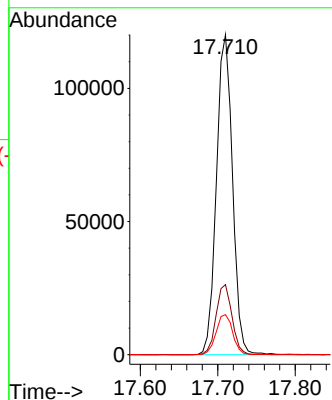
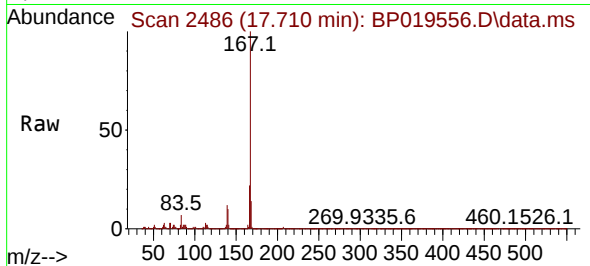




#73
 Carbazole
 Concen: 7.481 ng
 RT: 17.710 min Scan# 2486
 Delta R.T. 0.000 min
 Lab File: BP019556.D
 Acq: 05 Feb 2024 11:24

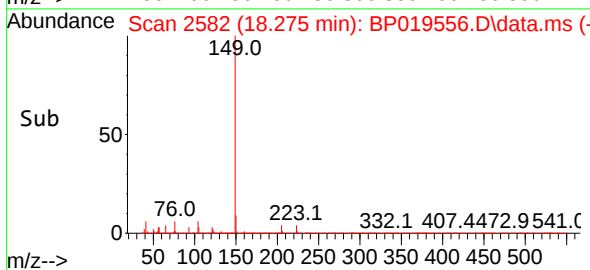
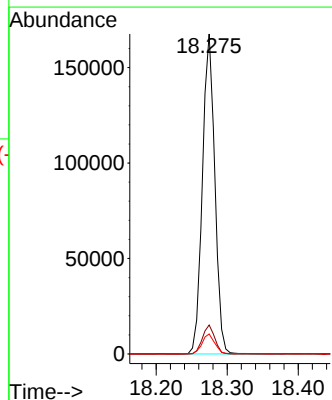
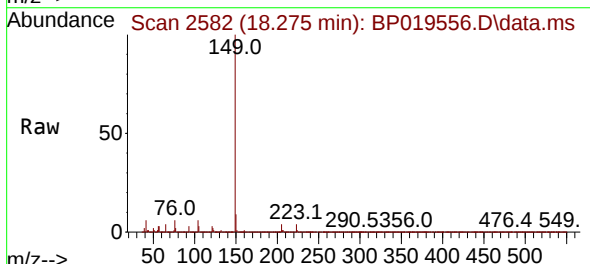
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

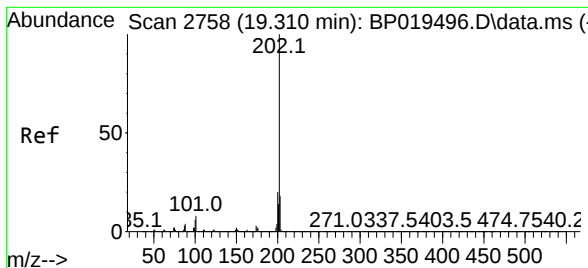
Tgt Ion:	167	Resp:	172709
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.2	25.8
139	12.5	10.6	15.8



#74
 Di-n-butylphthalate
 Concen: 7.303 ng
 RT: 18.275 min Scan# 2582
 Delta R.T. 0.000 min
 Lab File: BP019556.D
 Acq: 05 Feb 2024 11:24

Tgt Ion:	149	Resp:	203866
Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	6.3	4.8	7.2





#75

Fluoranthene

Concen: 7.480 ng

RT: 19.310 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

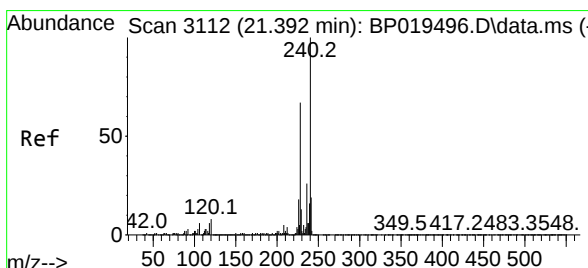
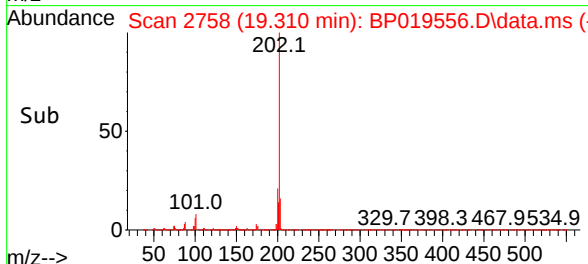
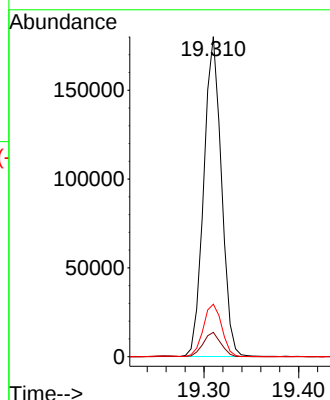
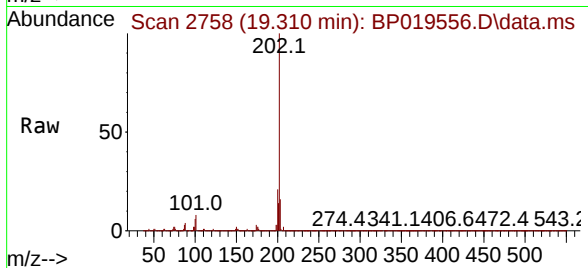
Tgt Ion:202 Resp: 232795

Ion Ratio Lower Upper

202 100

101 7.6 0.0 27.7

203 16.4 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: BP019556.D

Acq: 05 Feb 2024 11:24

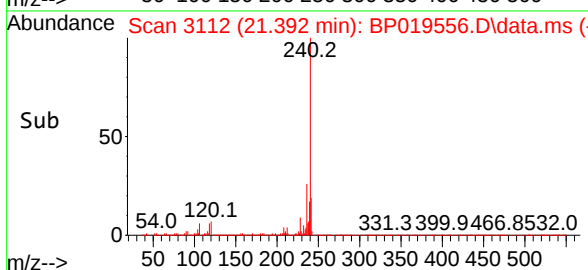
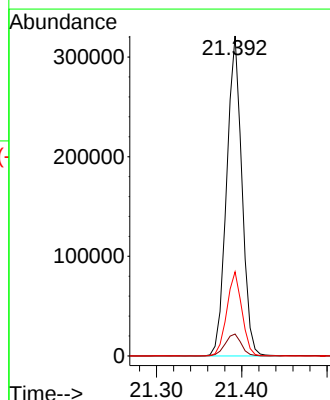
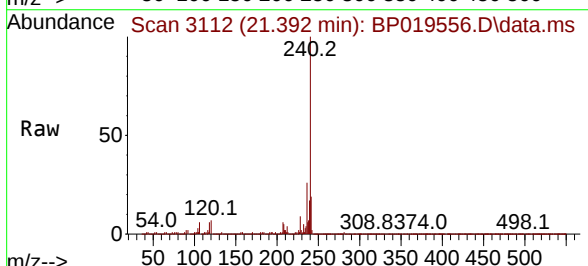
Tgt Ion:240 Resp: 398969

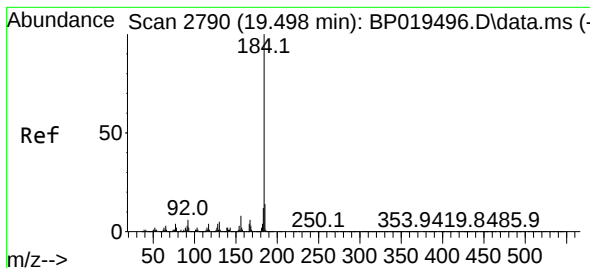
Ion Ratio Lower Upper

240 100

120 6.9 6.1 9.1

236 26.3 20.7 31.1





#77

Benzidine

Concen: 11.724 ng

RT: 19.498 min Scan# 2790

Delta R.T. 0.000 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

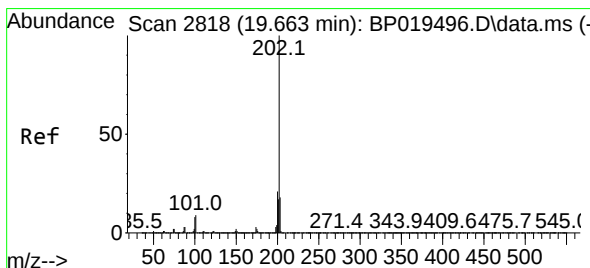
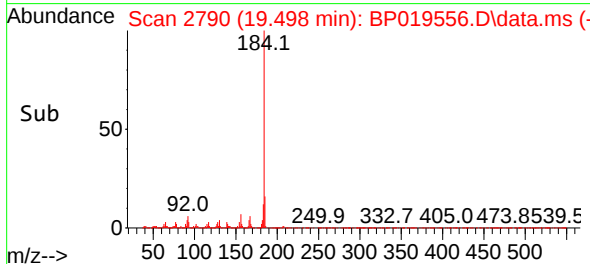
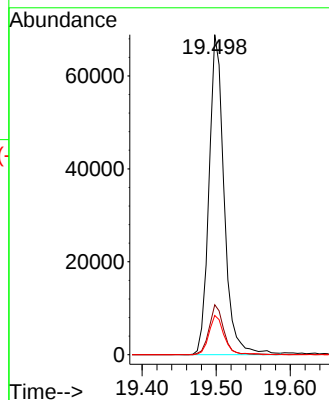
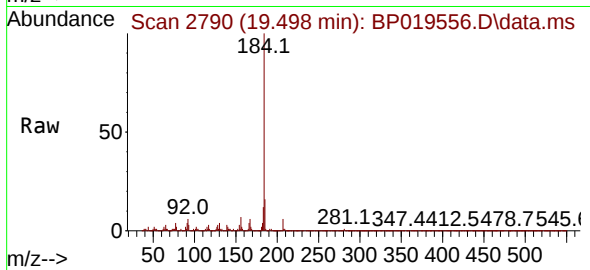
Tgt Ion:184 Resp: 97794

Ion Ratio Lower Upper

184 100

185 15.6 11.1 16.7

183 12.3 9.7 14.5



#78

Pyrene

Concen: 8.681 ng

RT: 19.663 min Scan# 2818

Delta R.T. 0.000 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

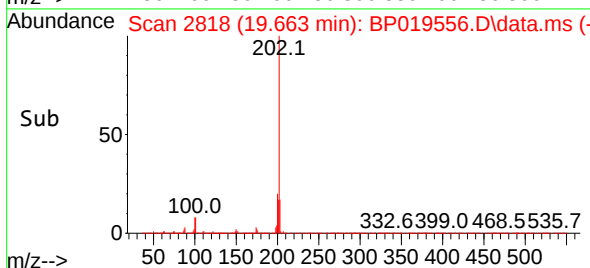
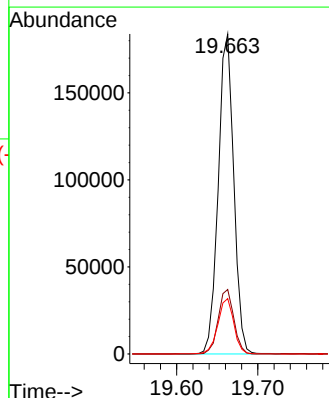
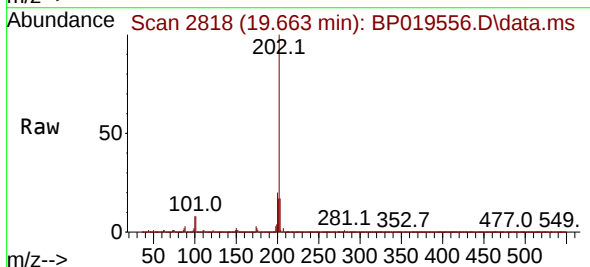
Tgt Ion:202 Resp: 244435

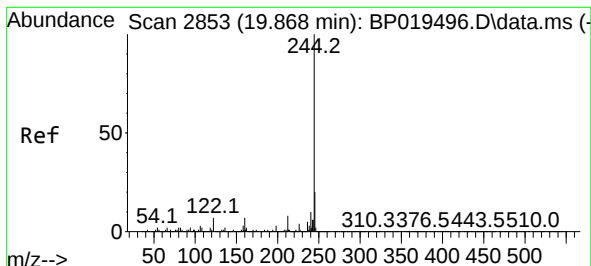
Ion Ratio Lower Upper

202 100

200 20.1 16.9 25.3

203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 88.288 ng

RT: 19.869 min Scan# 2141883

Delta R.T. 0.000 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

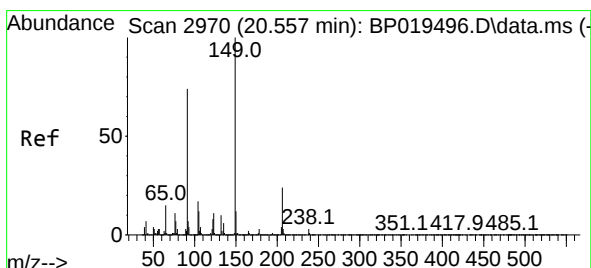
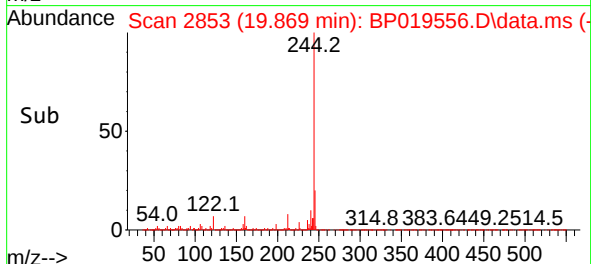
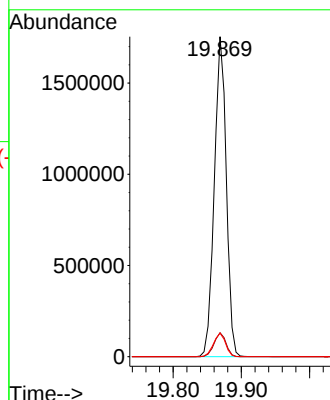
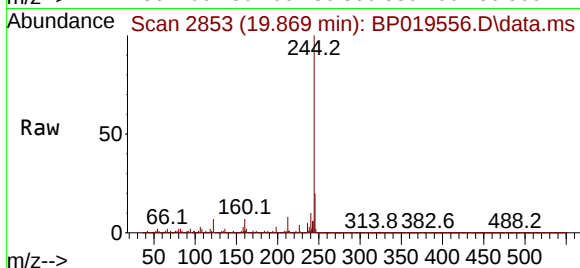
Tgt Ion:244 Resp: 2141883

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 7.3 5.9 8.9



#80

Butylbenzylphthalate

Concen: 7.016 ng

RT: 20.557 min Scan# 2970

Delta R.T. 0.000 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

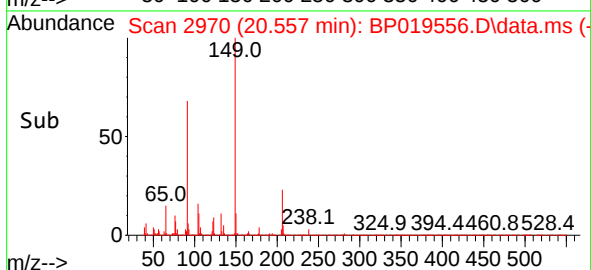
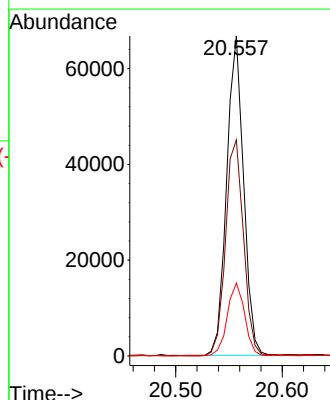
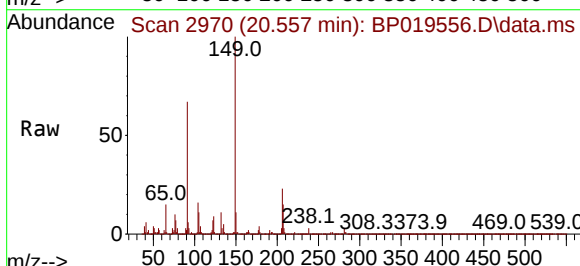
Tgt Ion:149 Resp: 73775

Ion Ratio Lower Upper

149 100

91 67.5 59.4 89.0

206 22.8 19.0 28.6





#81

Benzo(a)anthracene

Concen: 7.841 ng

RT: 21.374 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

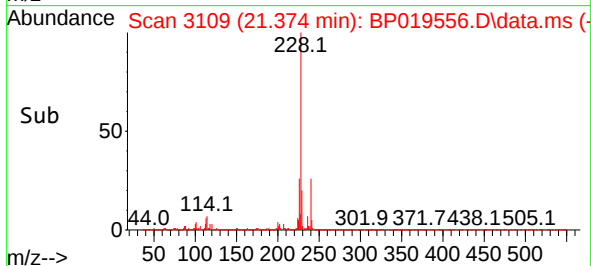
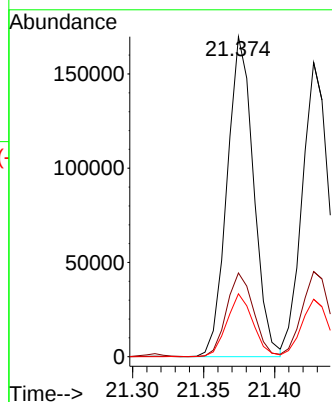
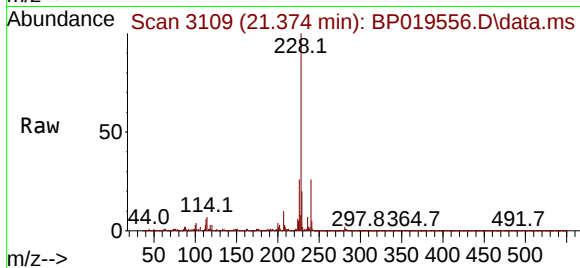
Tgt Ion:228 Resp: 220197

Ion Ratio Lower Upper

228 100

226 26.1 21.7 32.5

229 19.7 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 7.331 ng

RT: 21.316 min Scan# 3099

Delta R.T. 0.000 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

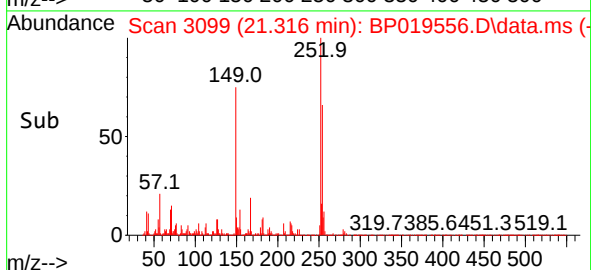
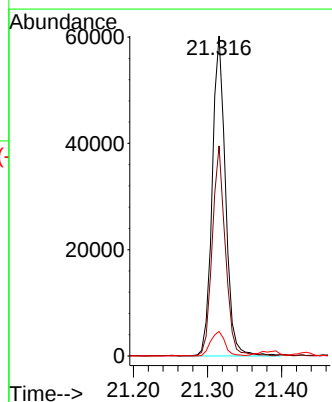
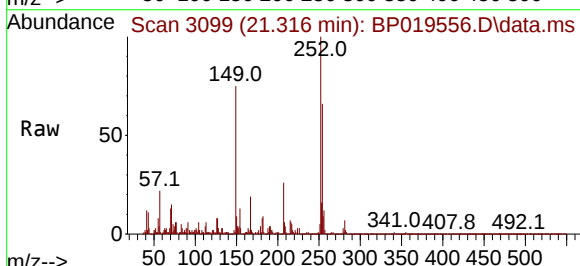
Tgt Ion:252 Resp: 75028

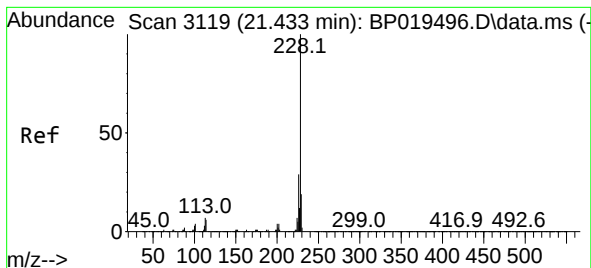
Ion Ratio Lower Upper

252 100

254 65.7 50.7 76.1

126 7.6 6.4 9.6





#83

Chrysene

Concen: 7.597 ng

RT: 21.427 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

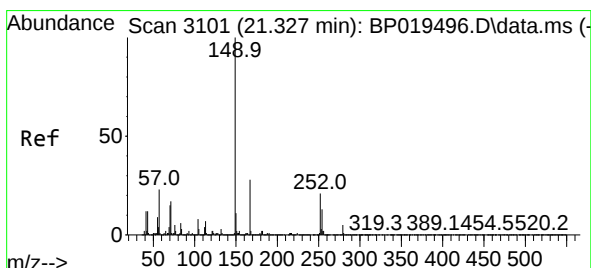
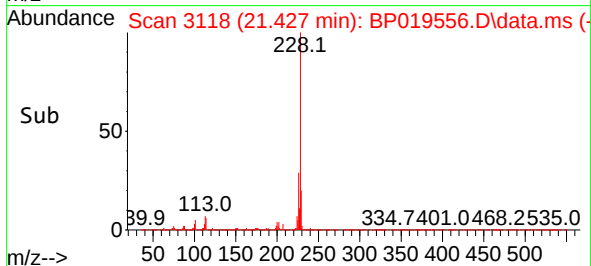
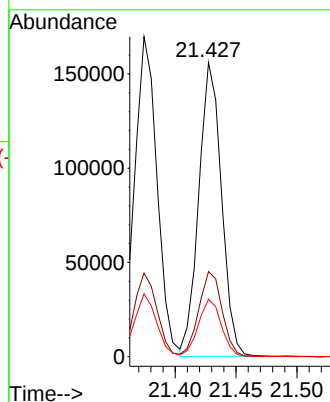
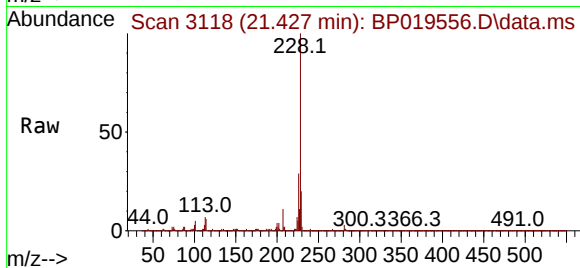
Tgt Ion:228 Resp: 202557

Ion Ratio Lower Upper

228 100

226 28.9 23.4 35.2

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.297 ng

RT: 21.322 min Scan# 3100

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

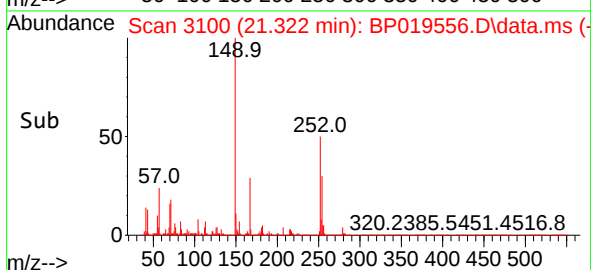
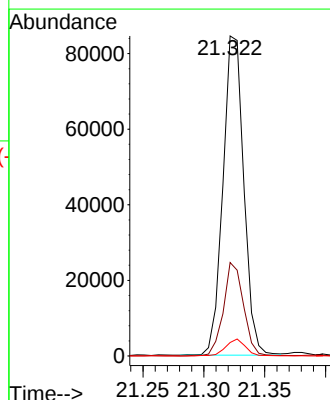
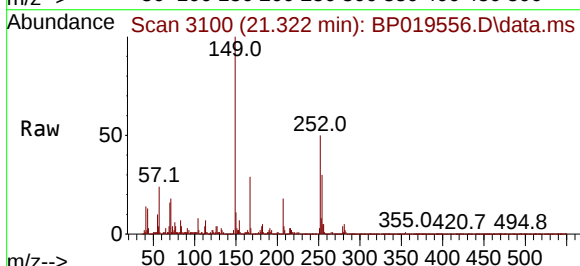
Tgt Ion:149 Resp: 100822

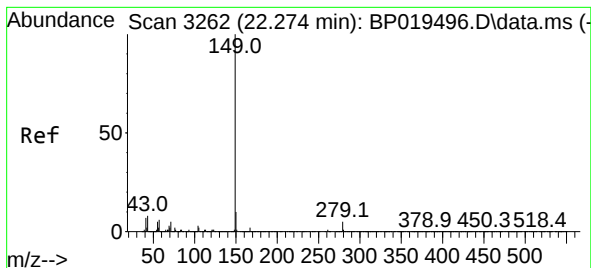
Ion Ratio Lower Upper

149 100

167 29.2 22.7 34.1

279 4.2 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 5.232 ng

RT: 22.269 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

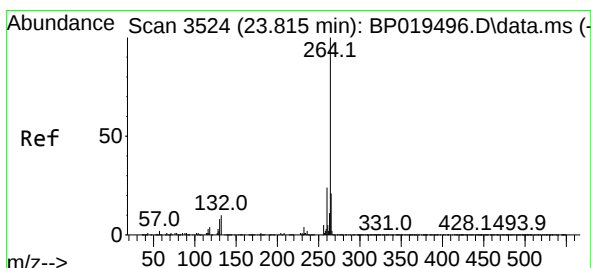
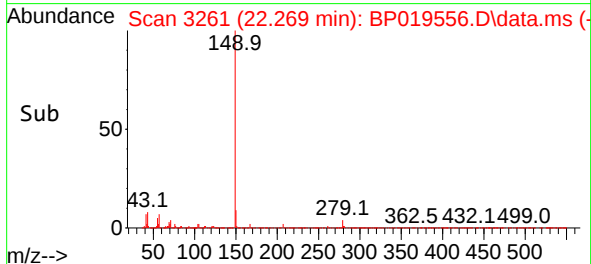
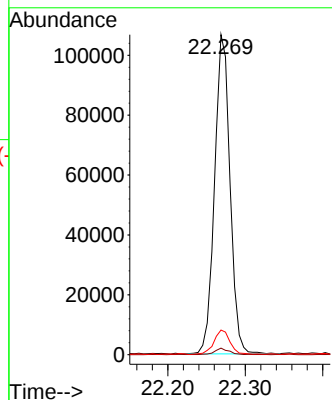
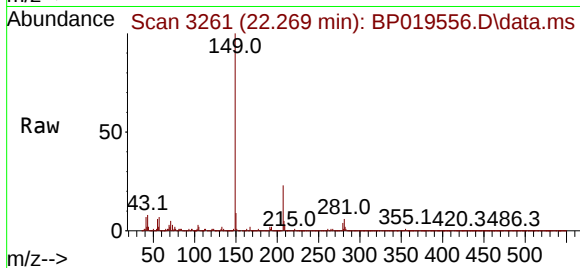
Tgt Ion:149 Resp: 147393

Ion Ratio Lower Upper

149 100

167 1.9 1.3 1.9

43 7.9 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: BP019556.D

Acq: 05 Feb 2024 11:24

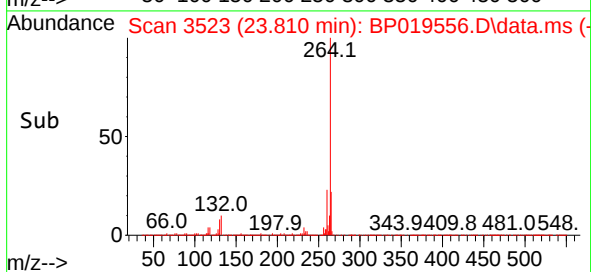
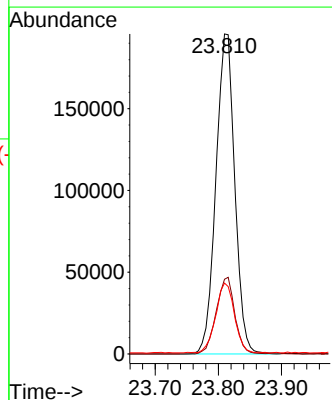
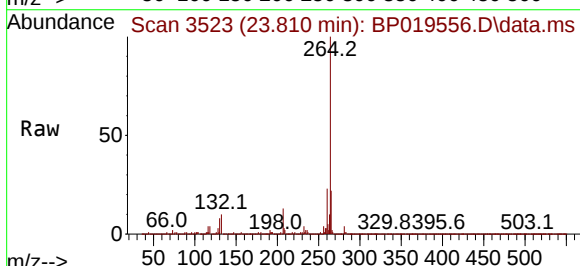
Tgt Ion:264 Resp: 405813

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 22.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.491 ng

RT: 26.333 min Scan# 3952

Delta R.T. -0.012 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

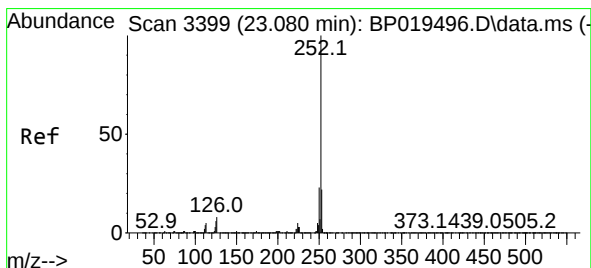
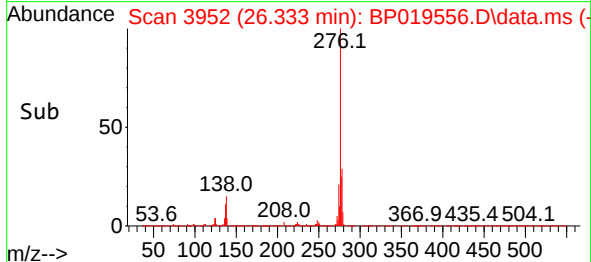
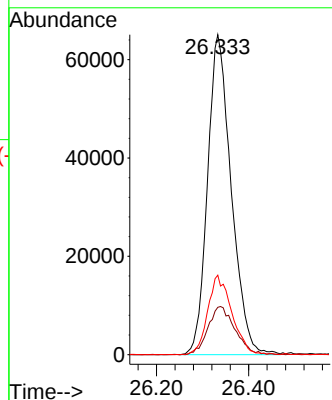
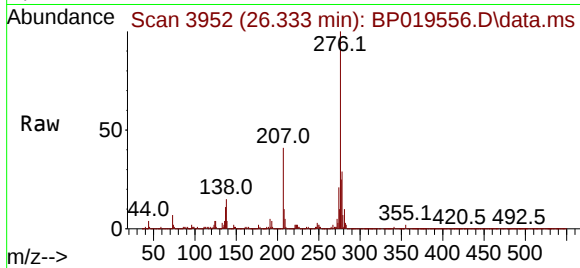
Tgt Ion:276 Resp: 232687

Ion Ratio Lower Upper

276 100

138 17.1 13.1 19.7

277 25.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 7.865 ng

RT: 23.074 min Scan# 3398

Delta R.T. -0.006 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

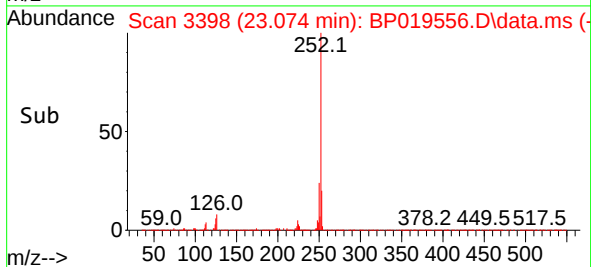
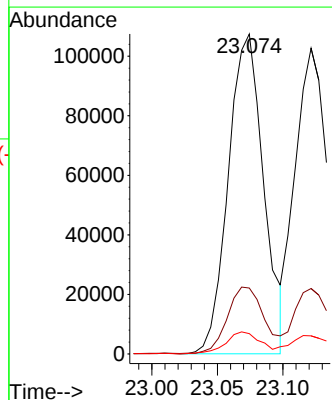
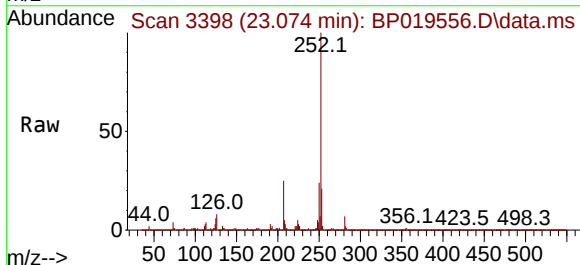
Tgt Ion:252 Resp: 201163

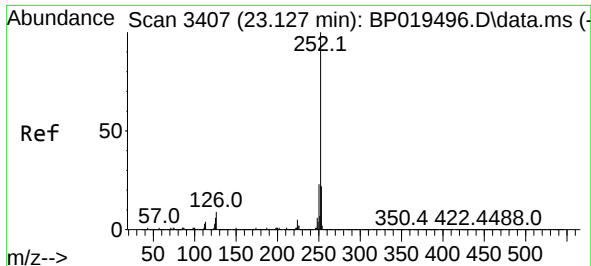
Ion Ratio Lower Upper

252 100

253 20.6 17.3 25.9

125 6.4 4.9 7.3

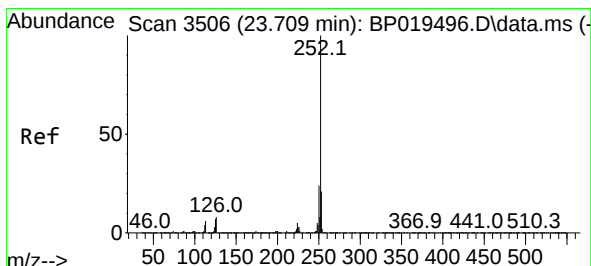
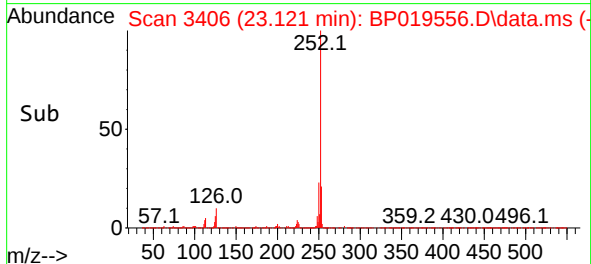
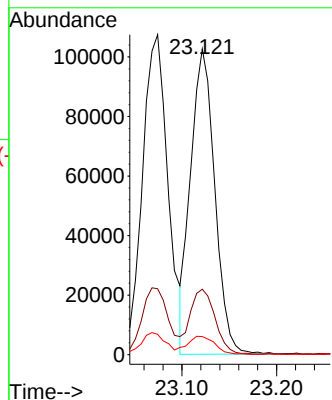
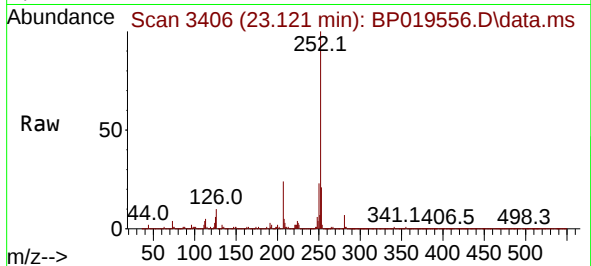




#89
Benzo(k)fluoranthene
Concen: 7.449 ng
RT: 23.121 min Scan# 3406
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

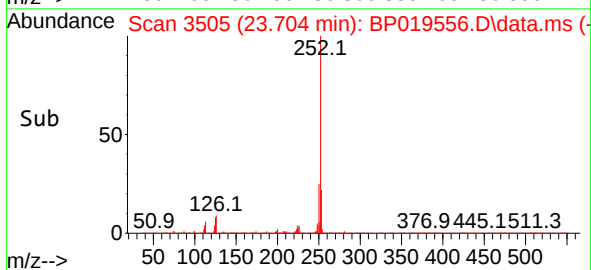
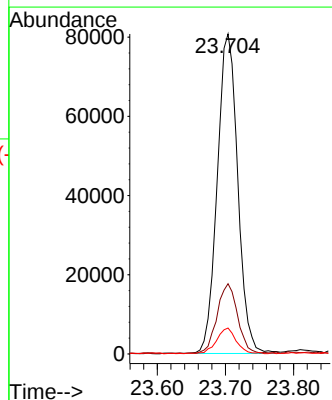
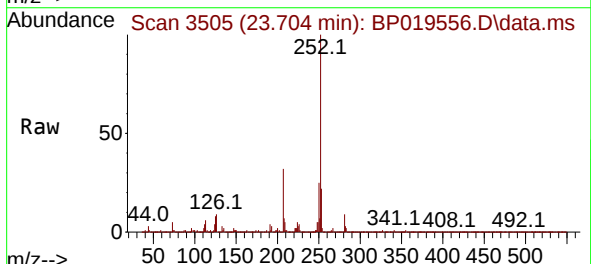
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2023

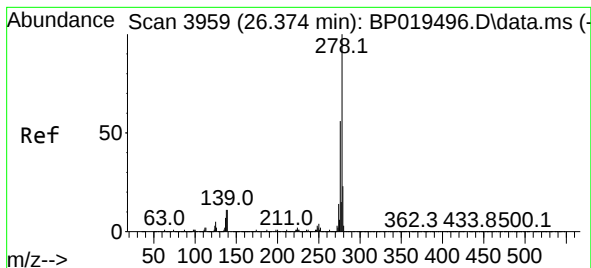
Tgt Ion:252 Resp: 181987
Ion Ratio Lower Upper
252 100
253 21.4 17.1 25.7
125 5.9 5.0 7.6



#90
Benzo(a)pyrene
Concen: 7.439 ng
RT: 23.704 min Scan# 3505
Delta R.T. -0.006 min
Lab File: BP019556.D
Acq: 05 Feb 2024 11:24

Tgt Ion:252 Resp: 169285
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 8.1 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 7.449 ng

RT: 26.362 min Scan# 3959

Delta R.T. -0.011 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2023

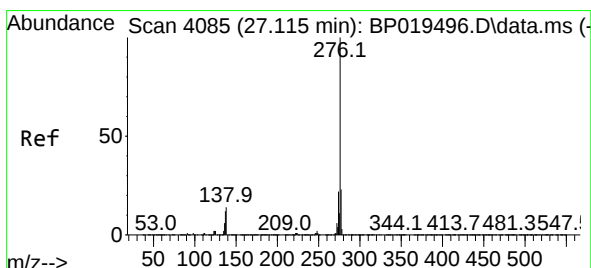
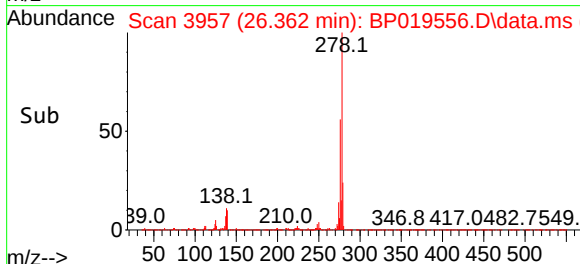
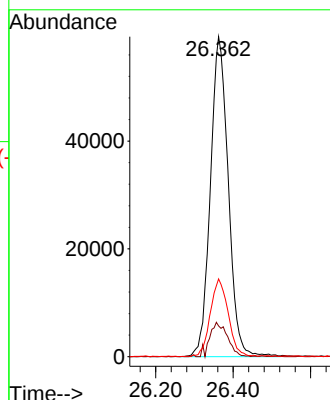
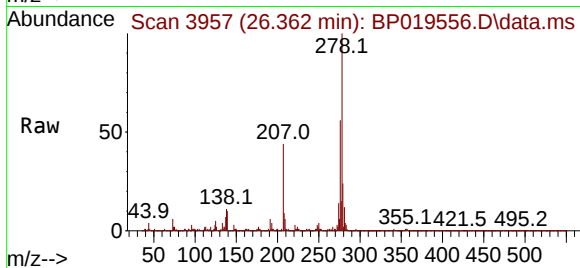
Tgt Ion:278 Resp: 190306

Ion Ratio Lower Upper

278 100

139 9.6 8.6 12.8

279 24.3 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 7.164 ng

RT: 27.104 min Scan# 4083

Delta R.T. -0.012 min

Lab File: BP019556.D

Acq: 05 Feb 2024 11:24

Tgt Ion:276 Resp: 185676

Ion Ratio Lower Upper

276 100

277 25.6 18.6 28.0

138 14.3 10.9 16.3

