

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020725\
 Data File : BM049598.D
 Acq On : 07 Feb 2025 12:16
 Operator : RC/JU
 Sample : Q1168-03
 Misc : MDL-MDL-SOIL 4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Feb 07 12:51:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 04:55:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	153225	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	568618	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	341228	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	628603	20.000	ng	0.00
76) Chrysene-d12	21.439	240	496182	20.000	ng	0.00
86) Perylene-d12	24.468	264	404509	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	753751	79.106	ng	0.00
7) Phenol-d6	6.975	99	1003189	80.362	ng	0.00
23) Nitrobenzene-d5	8.975	82	1039244	94.010	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	239891	59.331	ng	0.00
45) 2-Fluorobiphenyl	13.086	172	2402918	91.225	ng	0.00
79) Terphenyl-d14	19.827	244	3572703	109.953	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.299	88	20286	5.064	ng	94
3) Pyridine	3.699	79	41894	3.763	ng	# 90
4) n-Nitrosodimethylamine	3.605	42	21878	4.200	ng	# 79
6) Aniline	7.146	93	54068	4.570	ng	97
8) 2-Chlorophenol	7.381	128	37372	3.928	ng	91
9) Benzaldehyde	6.957	77	44312	6.704	ng	95
10) Phenol	7.004	94	50754	4.128	ng	92
11) bis(2-Chloroethyl)ether	7.246	93	43147	4.338	ng	97
12) 1,3-Dichlorobenzene	7.716	146	48483	4.390	ng	96
13) 1,4-Dichlorobenzene	7.857	146	48314	4.325	ng	100
14) 1,2-Dichlorobenzene	8.175	146	47106	4.367	ng	96
15) Benzyl Alcohol	8.057	79	30318	3.491	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.351	45	62468	4.665	ng	97
17) 2-Methylphenol	8.257	107	28222	3.754	ng	92
18) Hexachloroethane	8.910	117	17212	4.218	ng	87
19) n-Nitroso-di-n-propyla...	8.628	70	29832	3.649	ng	98
20) 3+4-Methylphenols	8.581	107	34035	3.429	ng	93
22) Acetophenone	8.640	105	63367	4.138	ng	# 96
24) Nitrobenzene	9.016	77	47401	4.413	ng	97
25) Isophorone	9.546	82	75674	3.796	ng	100
26) 2-Nitrophenol	9.728	139	6705	4.141	ng	# 90
27) 2,4-Dimethylphenol	9.793	122	23136m	3.670	ng	
28) bis(2-Chloroethoxy)met...	10.034	93	49487	3.854	ng	98
29) 2,4-Dichlorophenol	10.263	162	24245	2.793	ng	96
30) 1,2,4-Trichlorobenzene	10.481	180	41621	3.913	ng	95
31) Naphthalene	10.669	128	118304	3.945	ng	99
32) Benzoic acid	9.822	122	4232m	6.304	ng	
33) 4-Chloroaniline	10.769	127	43707	3.894	ng	97
34) Hexachlorobutadiene	10.969	225	26247	4.121	ng	96
35) Caprolactam	11.510	113	5899	2.227	ng	92
36) 4-Chloro-3-methylphenol	11.892	107	22707	2.623	ng	95
37) 2-Methylnaphthalene	12.281	142	76369	3.617	ng	98
38) 1-Methylnaphthalene	12.504	142	72285	3.519	ng	94
40) 1,2,4,5-Tetrachloroben...	12.651	216	43845	3.908	ng	97
41) Hexachlorocyclopentadiene	12.639	237	10622	3.709	ng	97
43) 2,4,6-Trichlorophenol	12.892	196	13435	2.195	ng	92

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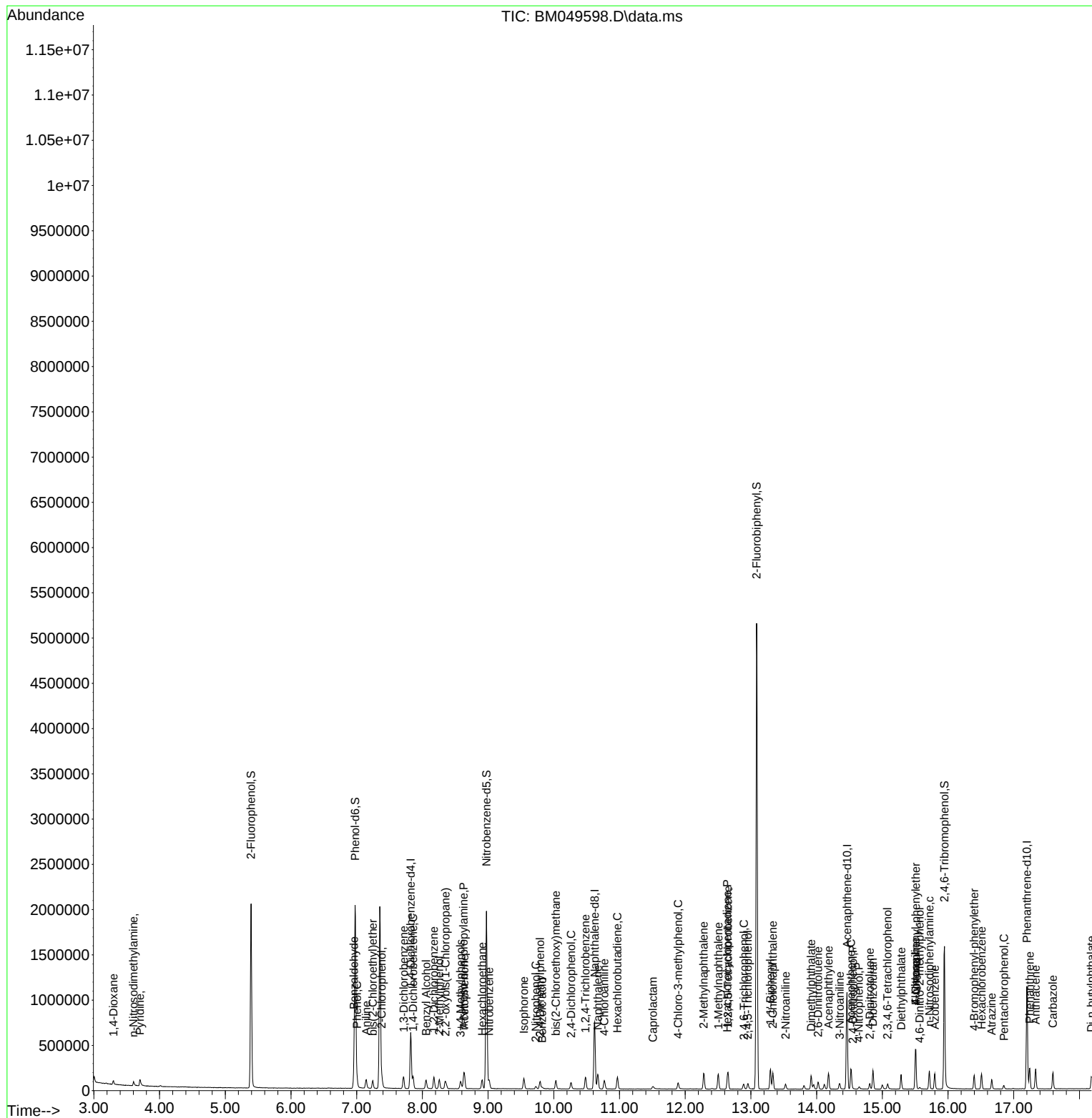
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.951	196	17116	2.544	ng	93
46) 1,1'-Biphenyl	13.298	154	107623	4.134	ng	99
47) 2-Chloronaphthalene	13.333	162	80066	3.975	ng	95
48) 2-Nitroaniline	13.528	65	12332	6.250	ng	88
49) Acenaphthylene	14.180	152	113833	3.833	ng	99
50) Dimethylphthalate	13.916	163	84669	3.455	ng	99
51) 2,6-Dinitrotoluene	14.022	165	11546	2.723	ng	# 79
52) Acenaphthene	14.522	154	73600	3.734	ng	97
53) 3-Nitroaniline	14.351	138	12567	2.911	ng	# 90
54) 2,4-Dinitrophenol	14.551	184	1607	4.529	ng	# 90
55) Dibenzofuran	14.857	168	120343	3.834	ng	99
56) 4-Nitrophenol	14.645	139	4711	1.294	ng	# 76
57) 2,4-Dinitrotoluene	14.810	165	11877	4.870	ng	# 94
58) Fluorene	15.510	166	88306	3.289	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.080	232	13198m	2.322	ng	
60) Diethylphthalate	15.286	149	78604	3.192	ng	98
61) 4-Chlorophenyl-phenyle...	15.510	204	46151	3.229	ng	94
62) 4-Nitroaniline	15.504	138	10997	6.006	ng	90
63) Azobenzene	15.798	77	92976	3.617	ng	97
65) 4,6-Dinitro-2-methylph...	15.569	198	2586	5.935	ng	91
66) n-Nitrosodiphenylamine	15.716	169	68524	3.457	ng	97
67) 4-Bromophenyl-phenylether	16.398	248	25108	3.438	ng	97
68) Hexachlorobenzene	16.510	284	30460	3.634	ng	92
69) Atrazine	16.663	200	17229	2.924	ng	98
70) Pentachlorophenol	16.851	266	6607m	8.768	ng	
71) Phenanthrene	17.245	178	135529	3.785	ng	98
72) Anthracene	17.333	178	123631	3.487	ng	98
73) Carbazole	17.598	167	108172	3.476	ng	98
74) Di-n-butylphthalate	18.180	149	89147	2.257	ng	# 97
75) Fluoranthene	19.257	202	128679	3.069	ng	99
77) Benzidine	19.439	184	15450	3.516	ng	97
78) Pyrene	19.615	202	137169	3.692	ng	98
80) Butylbenzylphthalate	20.527	149	15153	1.311	ng	97
81) Benzo(a)anthracene	21.421	228	121123	3.602	ng	98
82) 3,3'-Dichlorobenzidine	21.345	252	17449	1.928	ng	# 98
83) Chrysene	21.480	228	120293	3.818	ng	98
84) Bis(2-ethylhexyl)phtha...	21.368	149	26403	1.332	ng	# 90
85) Di-n-octyl phthalate	22.527	149	34712	1.110	ng	# 89
87) Indeno(1,2,3-cd)pyrene	27.885	276	77943m	3.528	ng	
88) Benzo(b)fluoranthene	23.509	252	88437	3.178	ng	# 99
89) Benzo(k)fluoranthene	23.574	252	95544	3.535	ng	98
90) Benzo(a)pyrene	24.321	252	72804	3.301	ng	# 96
91) Dibenzo(a,h)anthracene	27.944	278	58612m	3.357	ng	
92) Benzo(g,h,i)perylene	28.950	276	69486m	3.563	ng	

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

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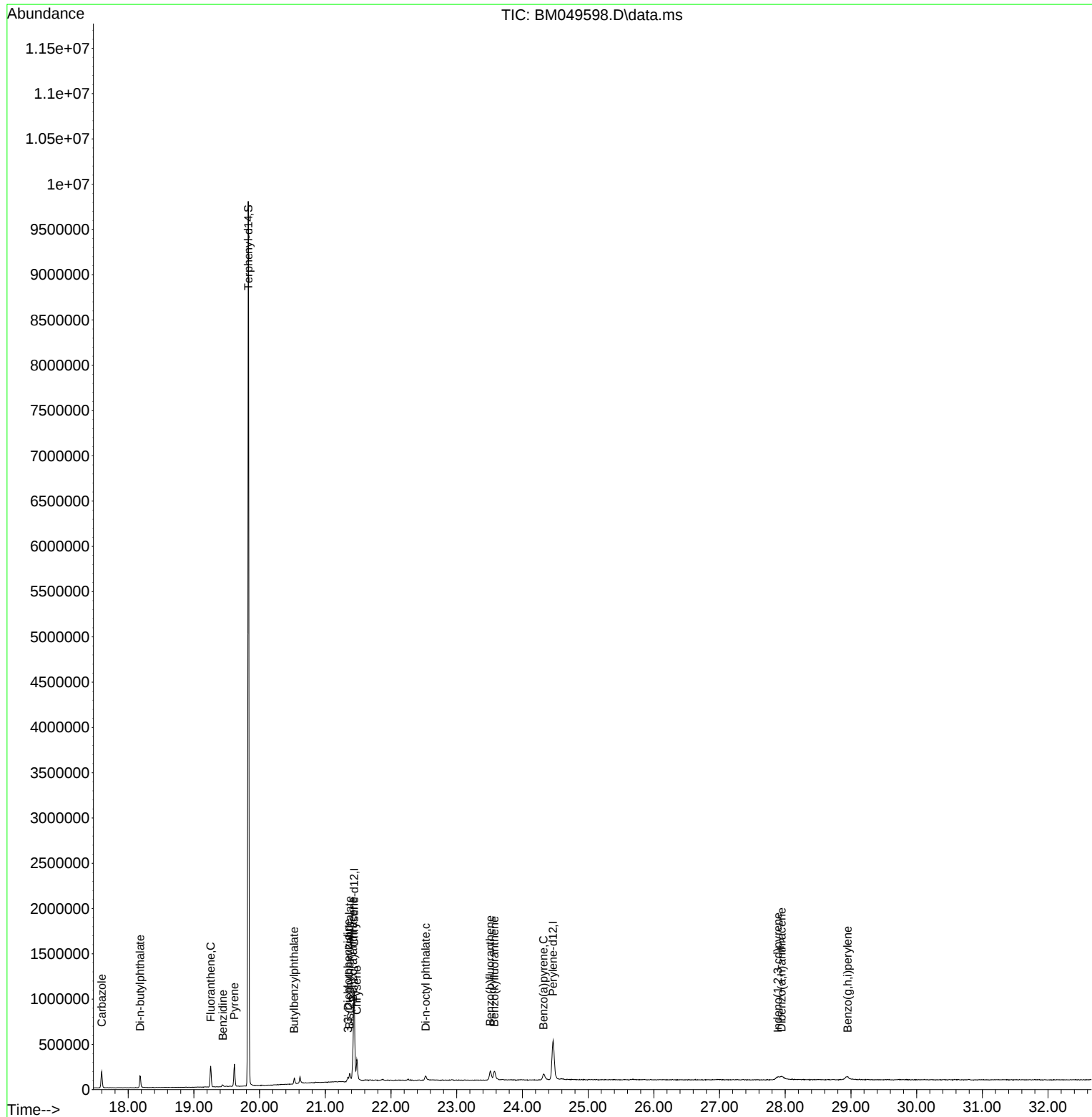
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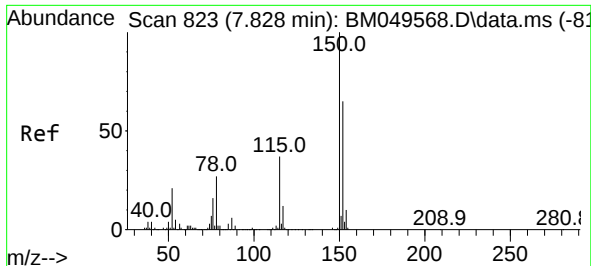


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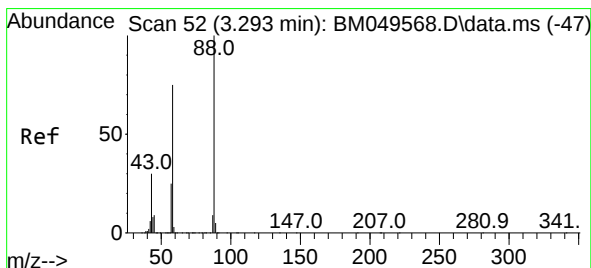
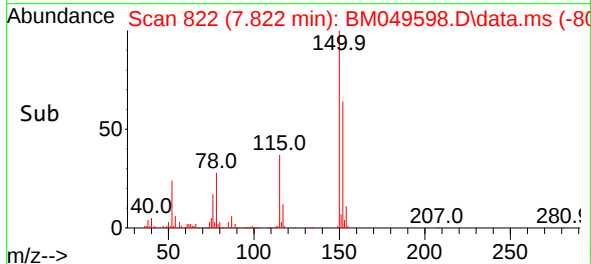
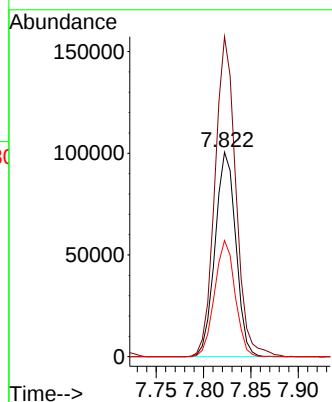
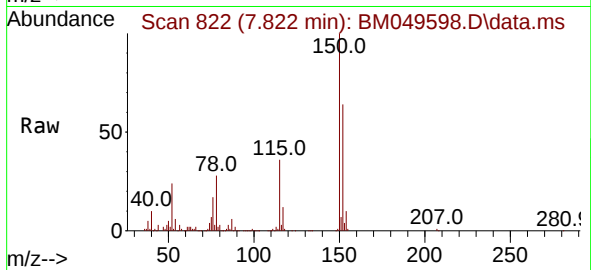




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.822 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BM049598.D
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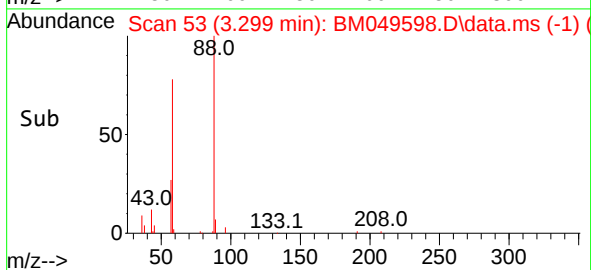
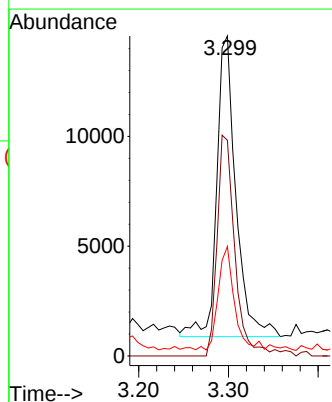
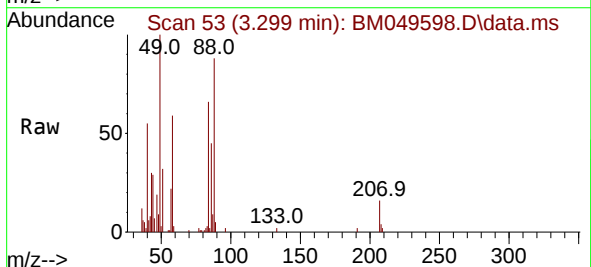
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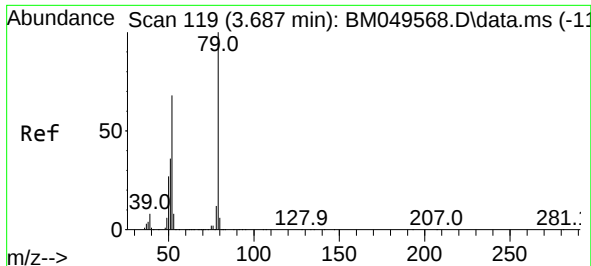
Tgt Ion:152 Resp: 153225
 Ion Ratio Lower Upper
 152 100
 150 156.5 122.6 184.0
 115 56.8 45.4 68.0



#2
 1,4-Dioxane
 Concen: 5.064 ng
 RT: 3.299 min Scan# 53
 Delta R.T. 0.006 min
 Lab File: BM049598.D
 Acq: 07 Feb 2025 12:16

Tgt Ion: 88 Resp: 20286
 Ion Ratio Lower Upper
 88 100
 58 68.8 60.0 90.0
 43 28.0 24.4 36.6

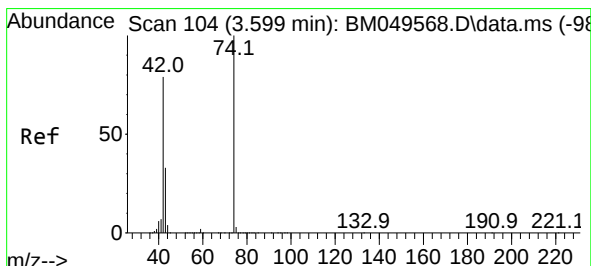
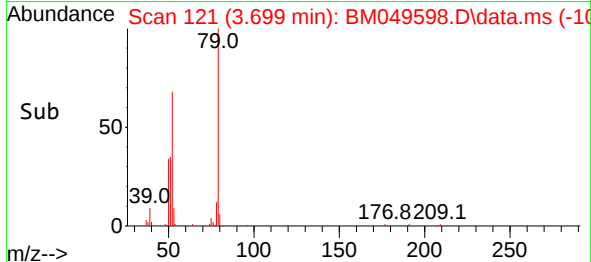
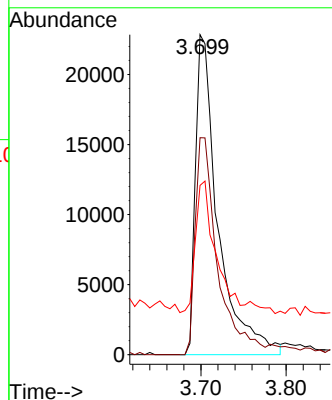
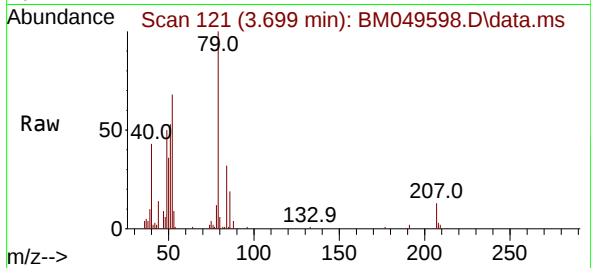




#3
Pyridine
Concen: 3.763 ng
RT: 3.699 min Scan# 119
Delta R.T. 0.012 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

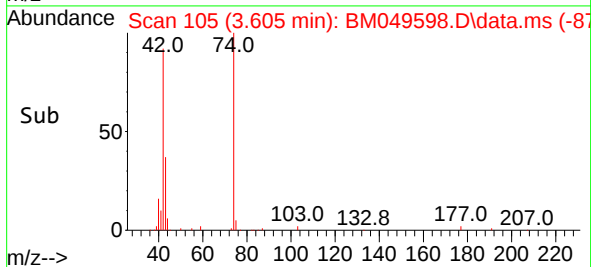
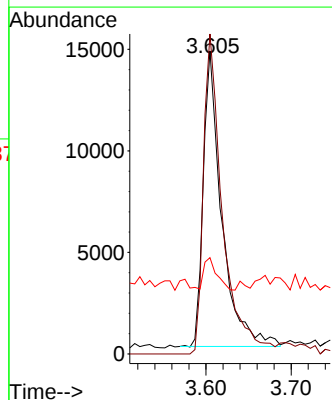
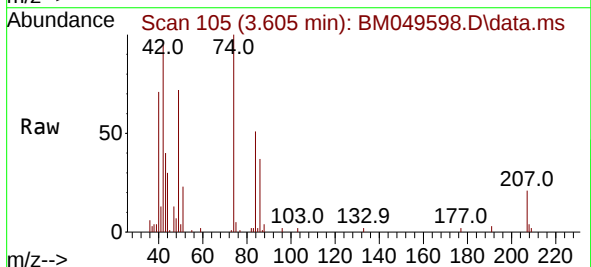
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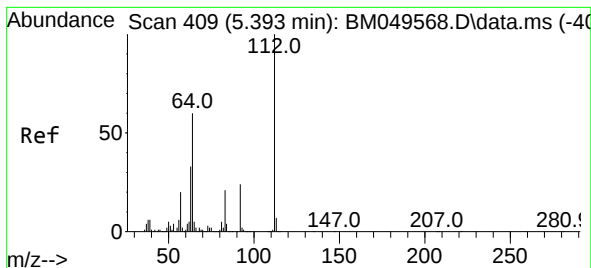
Tgt Ion: 79 Resp: 41894
Ion Ratio Lower Upper
79 100
52 67.8 54.5 81.7
51 52.9 29.0 43.6#



#4
n-Nitrosodimethylamine
Concen: 4.200 ng
RT: 3.605 min Scan# 105
Delta R.T. 0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion: 42 Resp: 21878
Ion Ratio Lower Upper
42 100
74 105.6 101.3 151.9
44 31.8 6.5 9.7#

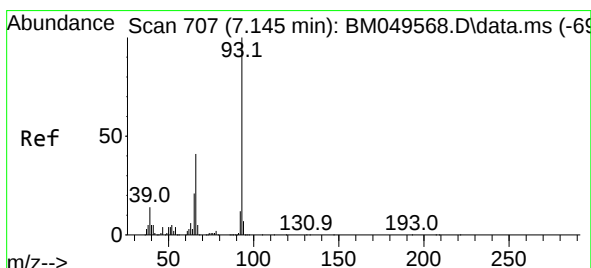
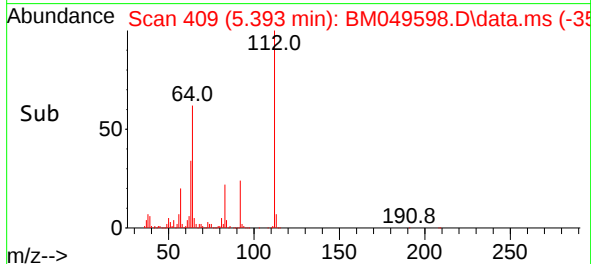
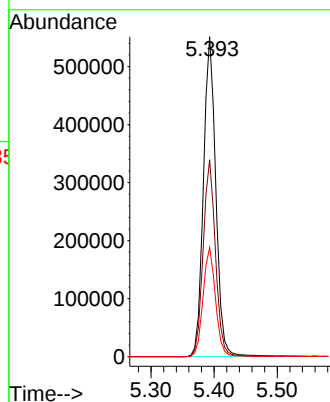
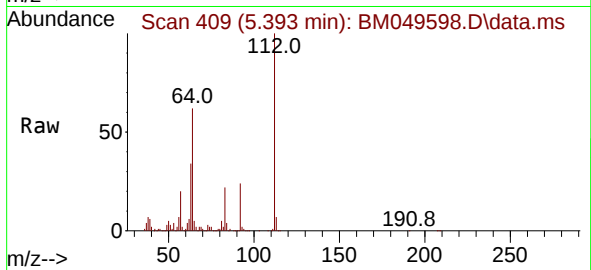




#5
2-Fluorophenol
Concen: 79.106 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

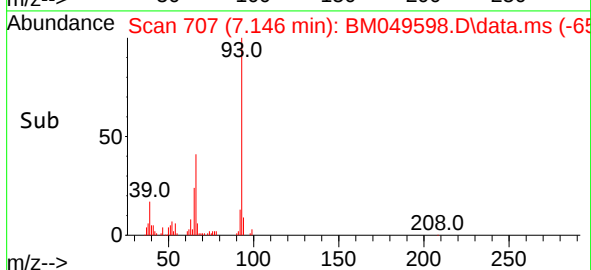
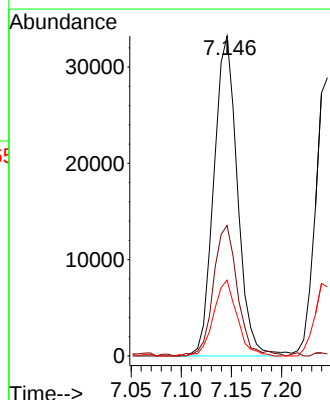
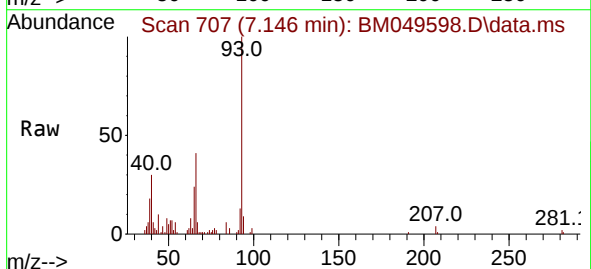
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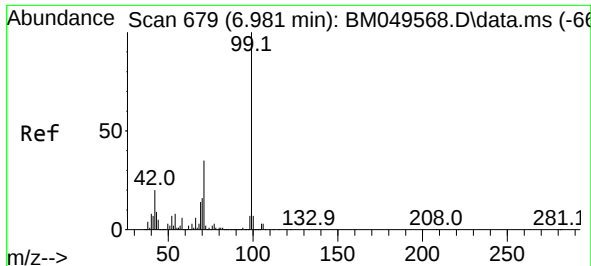
Tgt Ion:	112	Resp:	753751
Ion Ratio	Lower	Upper	
112	100		
64	61.5	47.8	71.8
63	34.1	26.2	39.4



#6
Aniline
Concen: 4.570 ng
RT: 7.146 min Scan# 707
Delta R.T. 0.000 min
Lab File: BM049598.D
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Tgt Ion:	93	Resp:	54068
Ion Ratio	Lower	Upper	
93	100		
66	40.8	33.3	49.9
65	23.7	16.8	25.2



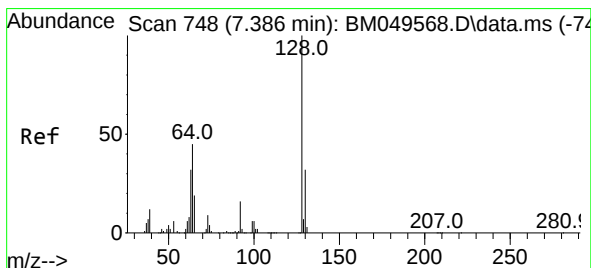
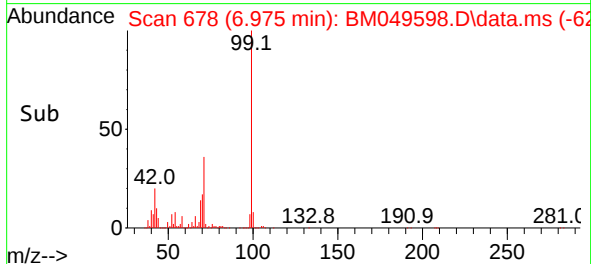
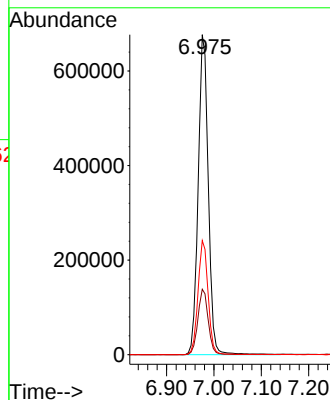
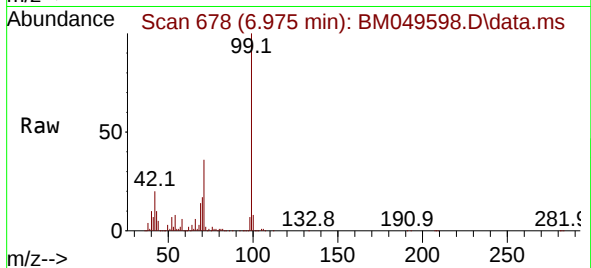


#7
Phenol-d6
Concen: 80.362 ng
RT: 6.975 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM049598.D
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Tgt Ion: 99 Resp: 1003189

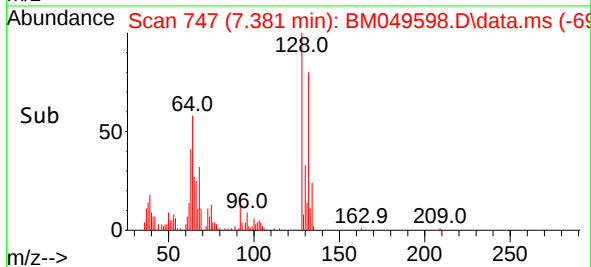
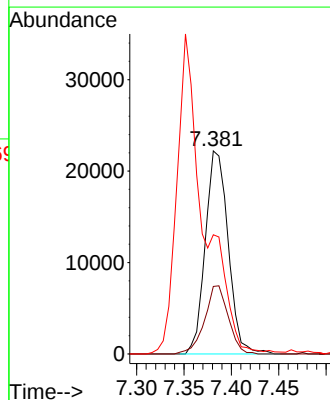
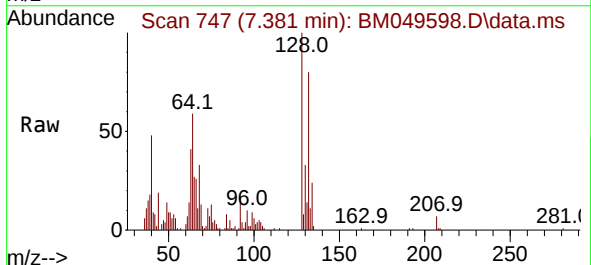
Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.0	24.0
71	35.6	27.8	41.6

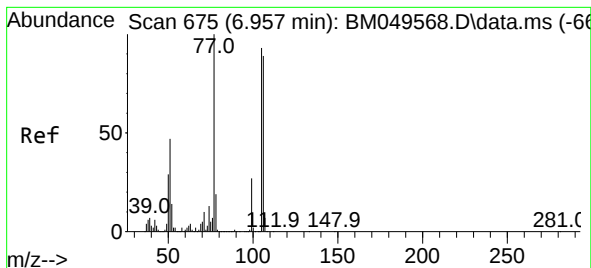


#8
2-Chlorophenol
Concen: 3.928 ng
RT: 7.381 min Scan# 747
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion: 128 Resp: 37372

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.4	52.4
64	58.7	28.7	68.7





#9

Benzaldehyde

Concen: 6.704 ng

RT: 6.957 min Scan# 61

Delta R.T. 0.000 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Instrument :

BNA_M

ClientSampleId :

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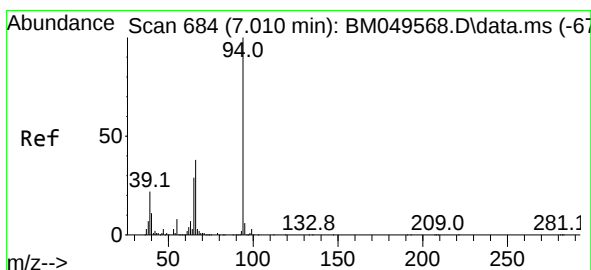
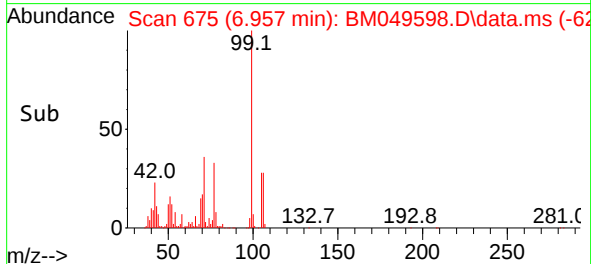
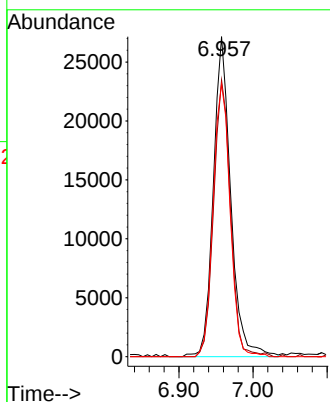
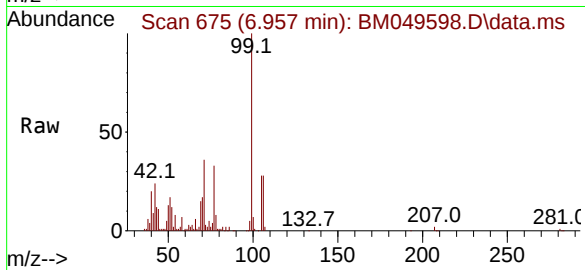
Tgt Ion: 77 Resp: 44312

Ion Ratio Lower Upper

77 100

105 86.5 72.7 112.7

106 85.2 68.9 108.9



#10

Phenol

Concen: 4.128 ng

RT: 7.004 min Scan# 683

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

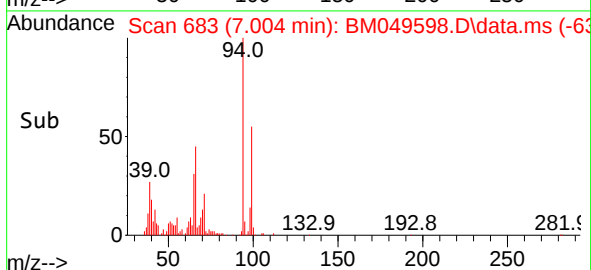
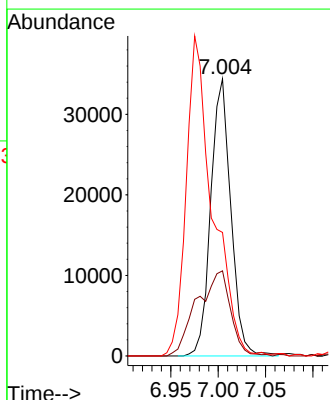
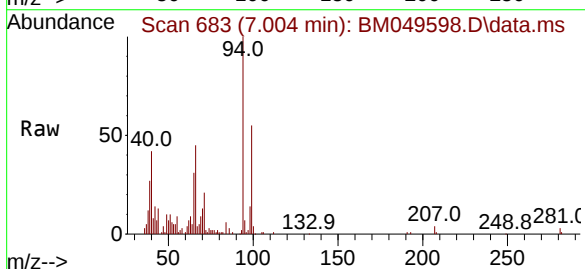
Tgt Ion: 94 Resp: 50754

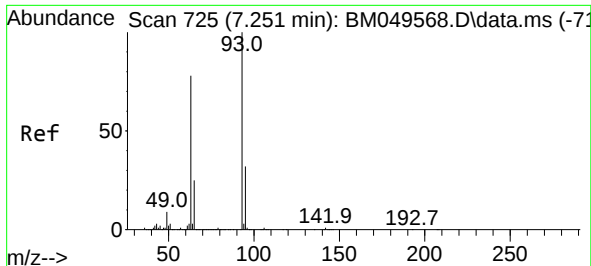
Ion Ratio Lower Upper

94 100

65 30.7 9.3 49.3

66 44.6 17.7 57.7

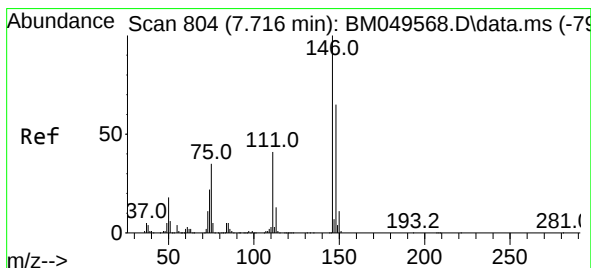
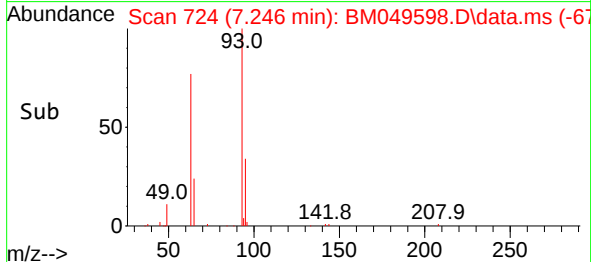
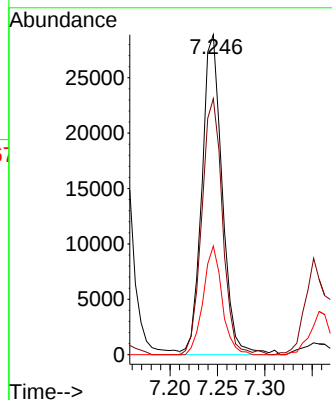
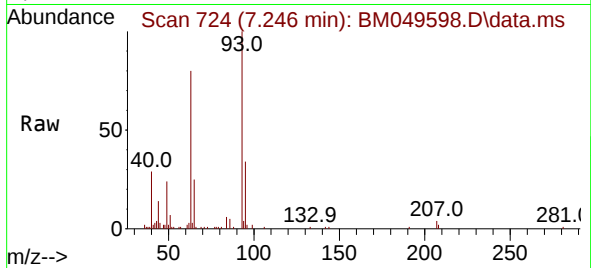




#11
bis(2-Chloroethyl)ether
Concen: 4.338 ng
RT: 7.246 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

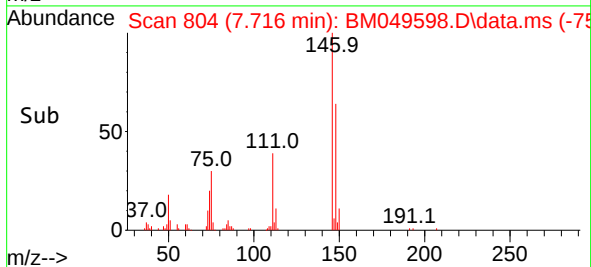
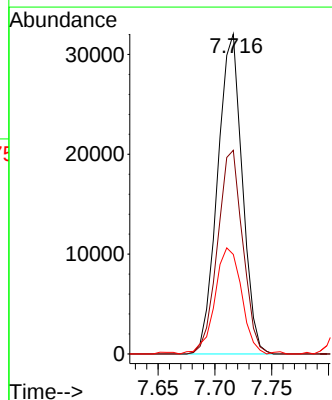
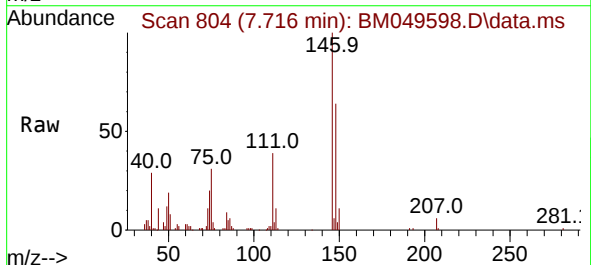
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

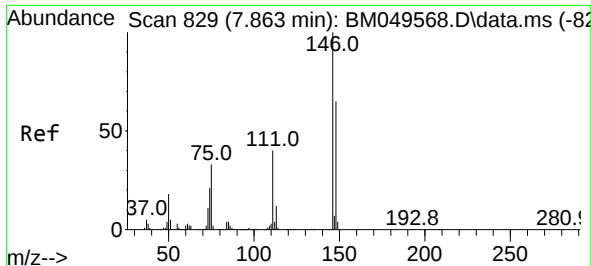
Tgt Ion: 93 Resp: 43147
Ion Ratio Lower Upper
93 100
63 80.0 57.3 97.3
95 34.0 12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 4.390 ng
RT: 7.716 min Scan# 804
Delta R.T. 0.000 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:146 Resp: 48483
Ion Ratio Lower Upper
146 100
148 63.6 52.2 78.2
75 31.1 28.3 42.5

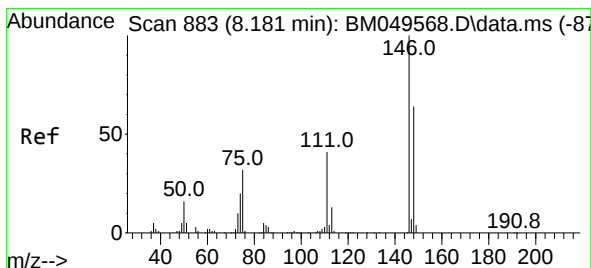
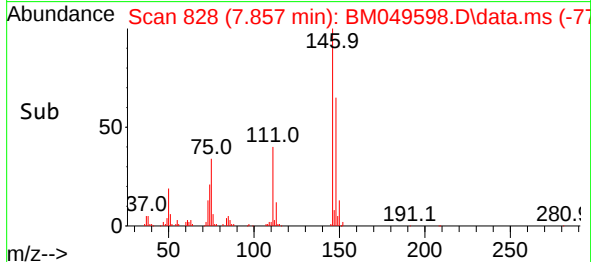
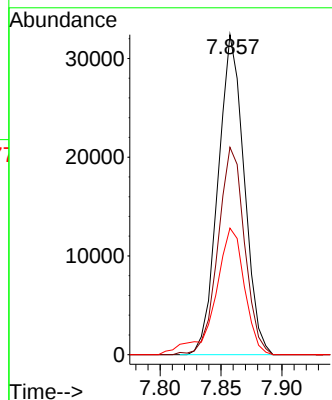
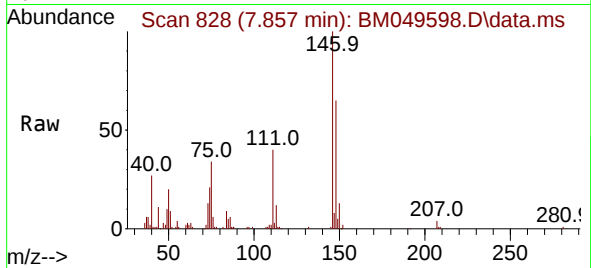




#13
1,4-Dichlorobenzene
Concen: 4.325 ng
RT: 7.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

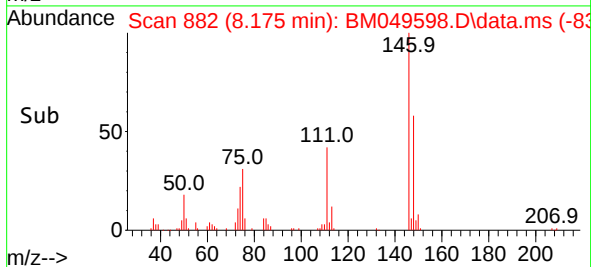
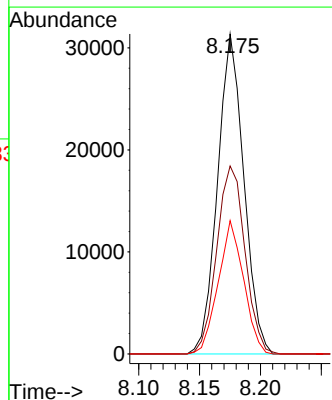
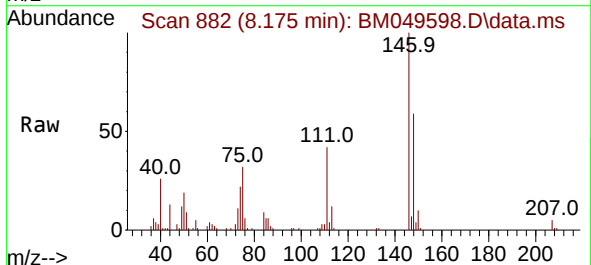
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

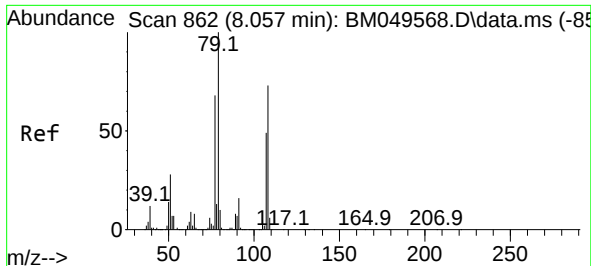
Tgt Ion:146 Resp: 48314
Ion Ratio Lower Upper
146 100
148 64.8 52.1 78.1
111 39.5 31.7 47.5



#14
1,2-Dichlorobenzene
Concen: 4.367 ng
RT: 8.175 min Scan# 882
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:146 Resp: 47106
Ion Ratio Lower Upper
146 100
148 58.7 51.5 77.3
111 41.6 33.4 50.0

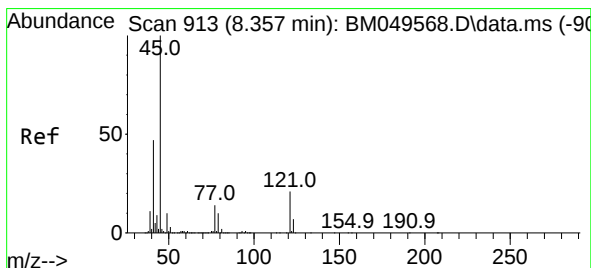
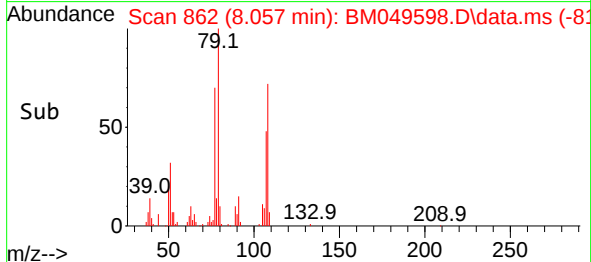
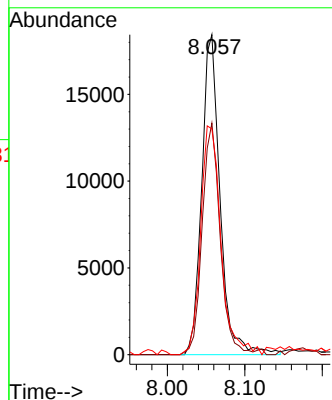
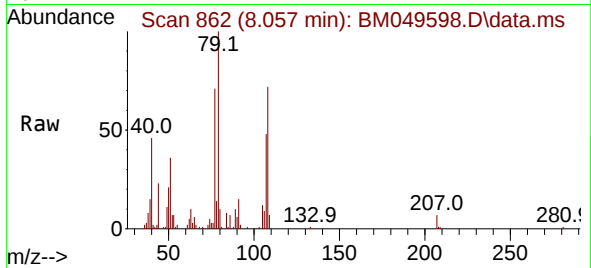




#15
Benzyl Alcohol
Concen: 3.491 ng
RT: 8.057 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

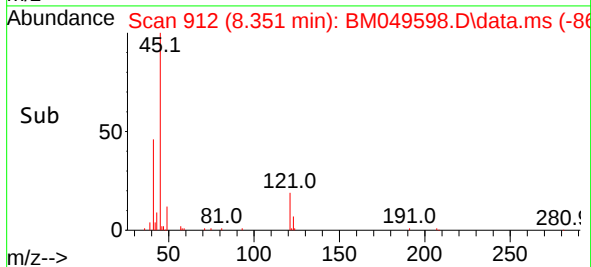
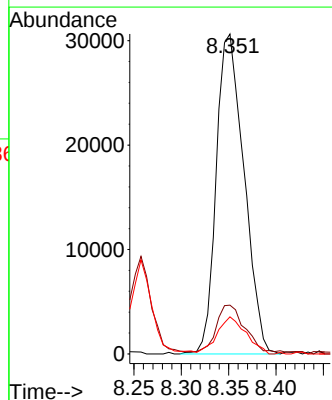
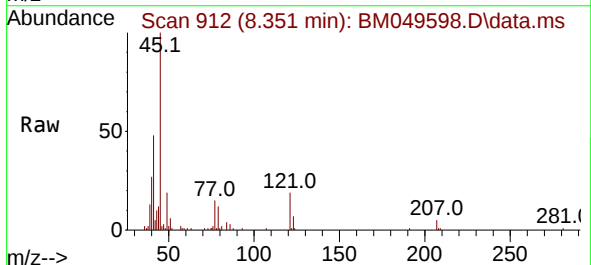
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

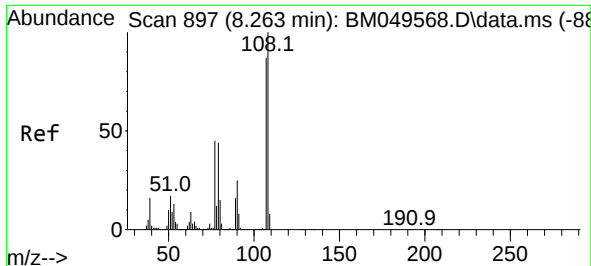
Tgt Ion: 79 Resp: 30318
Ion Ratio Lower Upper
79 100
108 72.4 58.6 88.0
77 70.5 54.0 81.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.665 ng
RT: 8.351 min Scan# 912
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion: 45 Resp: 62468
Ion Ratio Lower Upper
45 100
77 15.3 0.0 34.0
79 11.6 0.0 30.8

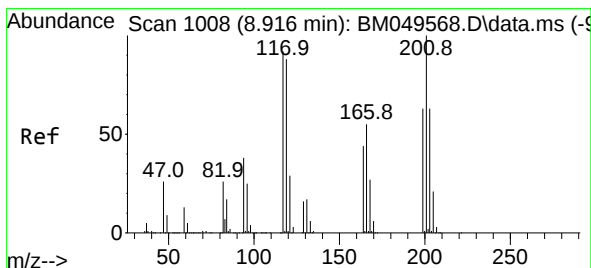
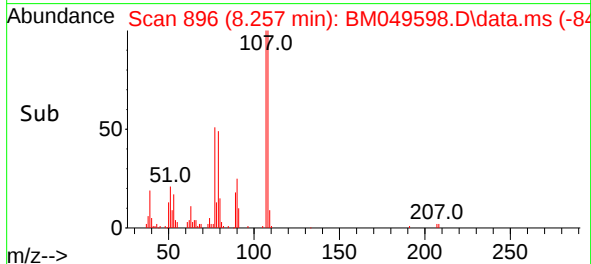
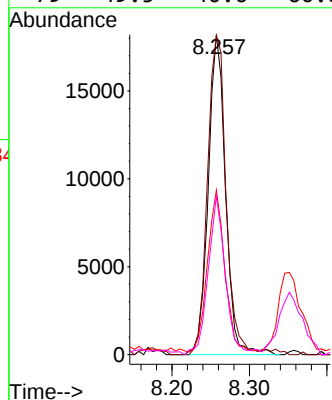
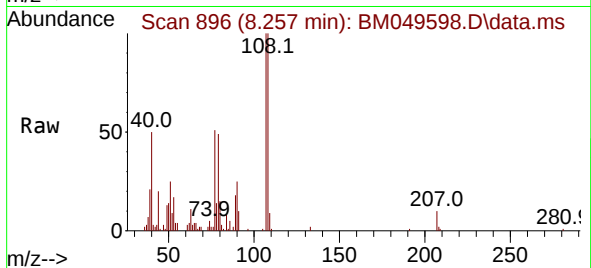




#17
2-Methylphenol
Concen: 3.754 ng
RT: 8.257 min Scan# 897
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

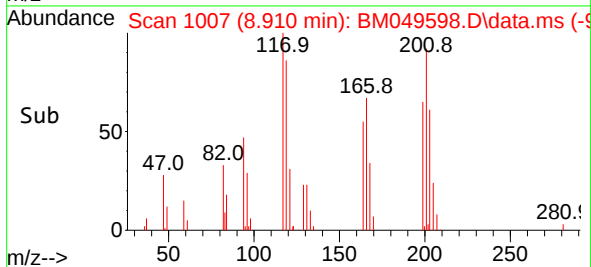
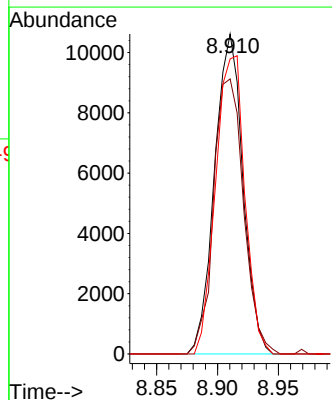
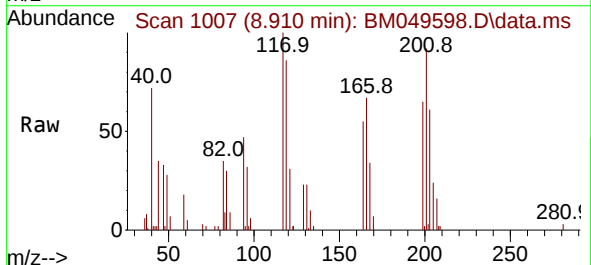
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

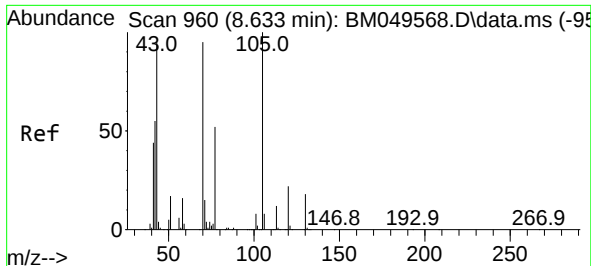
Tgt Ion:	107	Resp:	28222
Ion	Ratio	Lower	Upper
107	100		
108	99.7	92.2	138.4
77	51.4	41.3	61.9
79	49.5	40.6	60.8



#18
Hexachloroethane
Concen: 4.218 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:	117	Resp:	17212
Ion	Ratio	Lower	Upper
117	100		
119	86.0	76.8	115.2
201	92.2	87.0	130.6

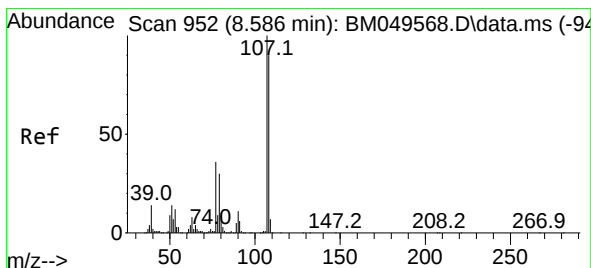
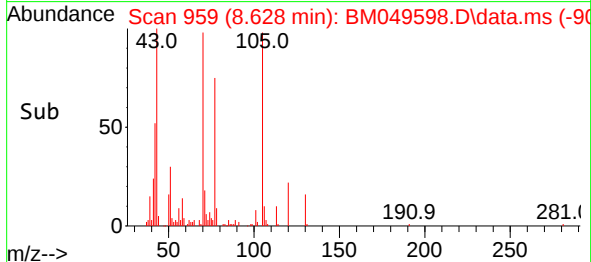
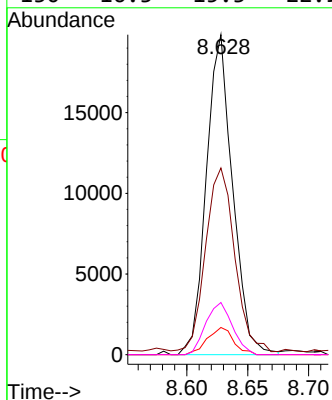
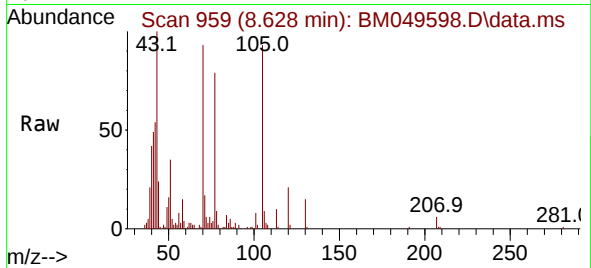




#19
n-Nitroso-di-n-propylamine
Concen: 3.649 ng
RT: 8.628 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

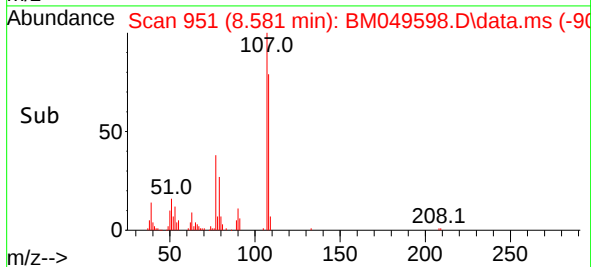
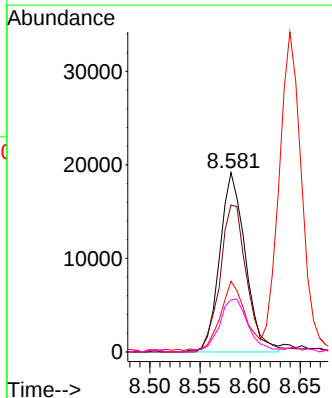
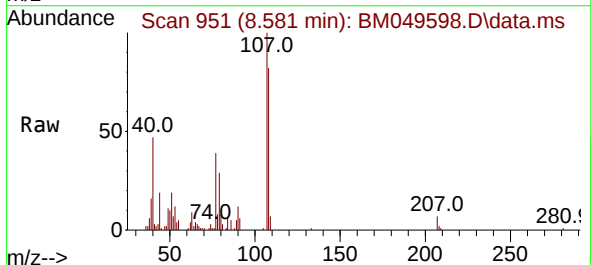
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

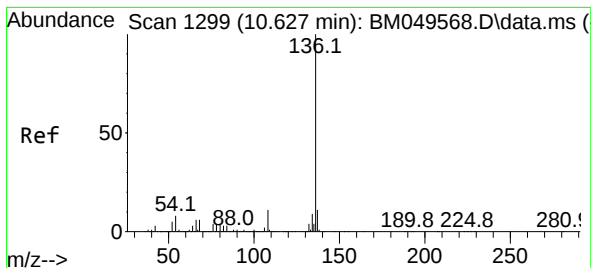
Tgt Ion: 70 Resp: 29832
Ion Ratio Lower Upper
70 100
42 58.4 47.4 71.2
101 8.5 7.1 10.7
130 16.3 15.3 22.9



#20
3+4-Methylphenols
Concen: 3.429 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion: 107 Resp: 34035
Ion Ratio Lower Upper
107 100
108 81.9 69.6 109.6
77 39.5 16.0 56.0
79 29.0 10.5 50.5

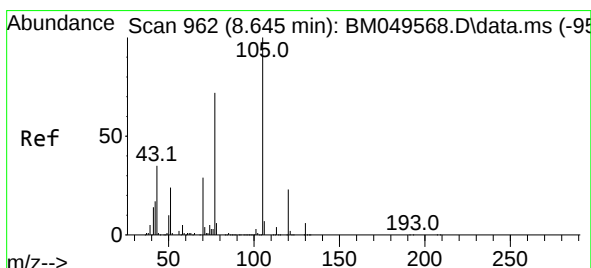
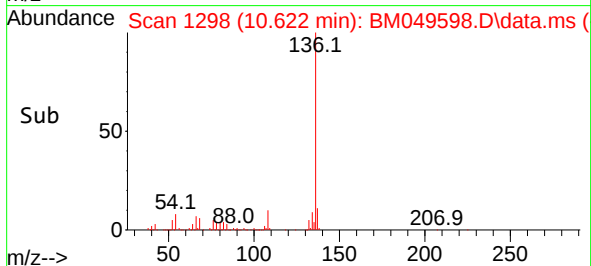
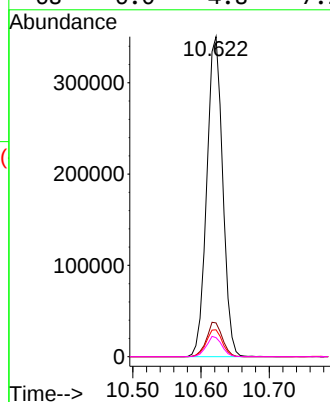
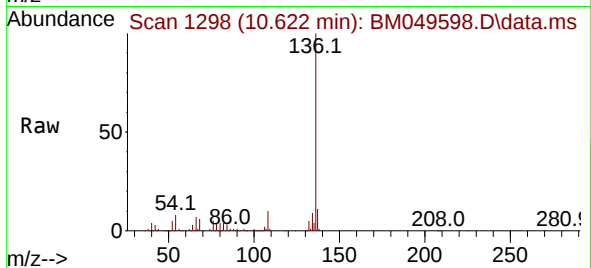




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

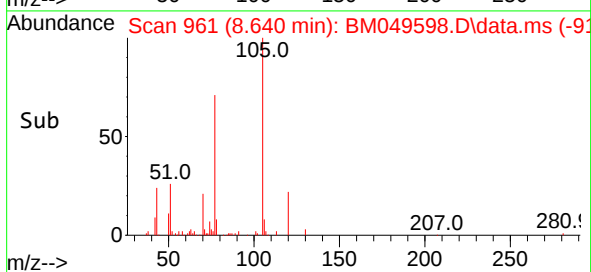
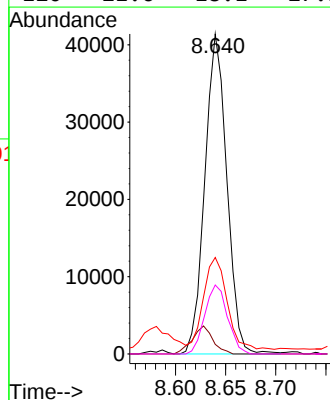
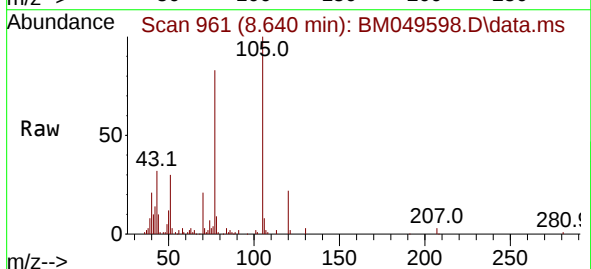
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

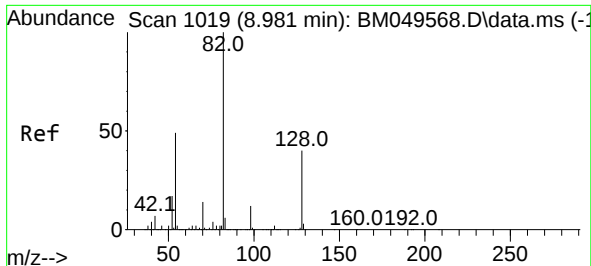
Tgt Ion:	136	Resp:	568618
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	13.0
54	8.4	6.6	10.0
68	6.0	4.8	7.2



#22
Acetophenone
Concen: 4.138 ng
RT: 8.640 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:	105	Resp:	63367
Ion Ratio	Lower	Upper	
105	100		
71	3.0	3.5	5.3
51	30.2	21.7	32.5
120	21.6	18.1	27.1

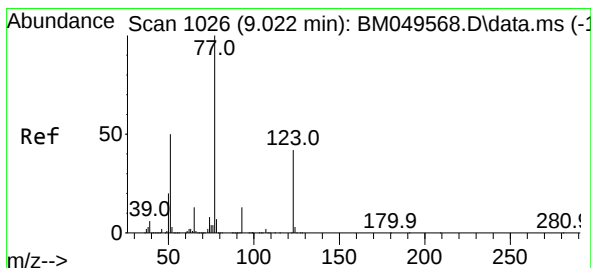
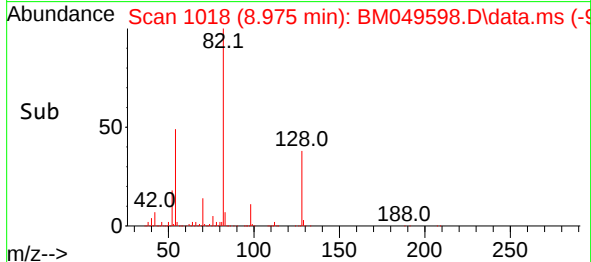
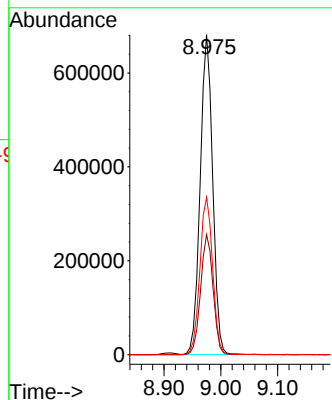
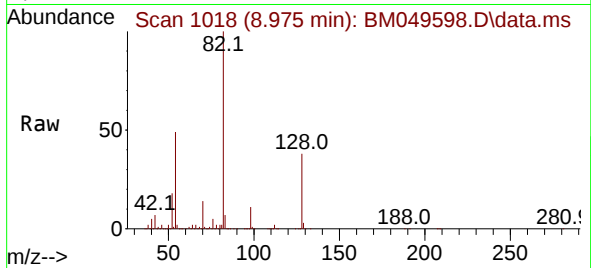




#23
Nitrobenzene-d5
Concen: 94.010 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

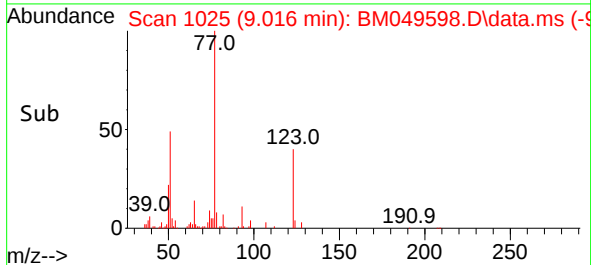
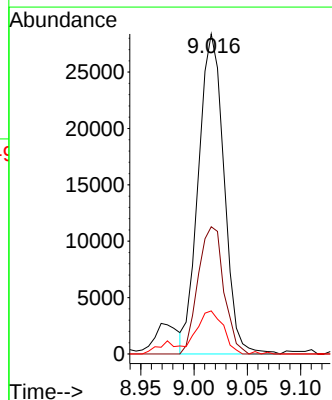
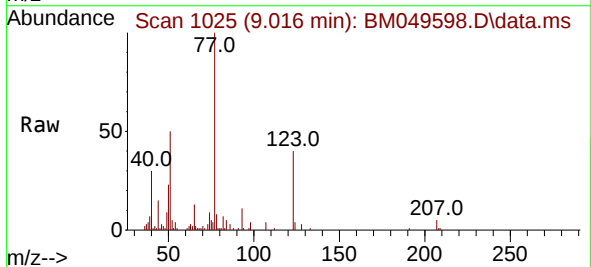
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

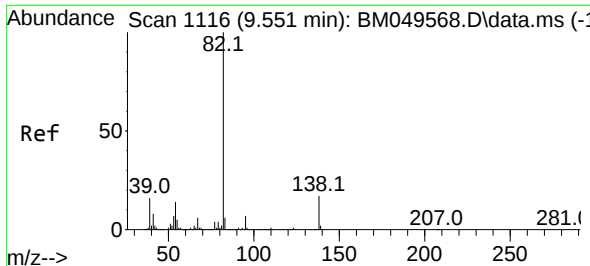
Tgt Ion: 82 Resp: 1039244
Ion Ratio Lower Upper
82 100
128 37.5 31.6 47.4
54 49.2 39.4 59.0



#24
Nitrobenzene
Concen: 4.413 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion: 77 Resp: 47401
Ion Ratio Lower Upper
77 100
123 39.7 33.4 50.2
65 13.5 10.5 15.7





#25

Isophorone

Concen: 3.796 ng

RT: 9.546 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BM049598.D

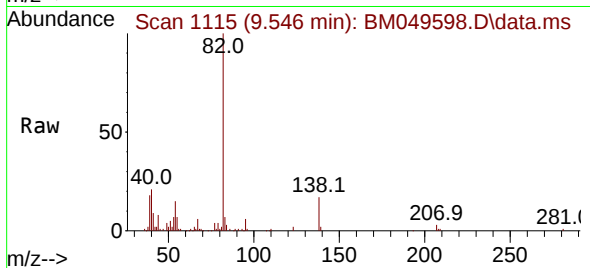
Acq: 07 Feb 2025 12:16

Instrument :

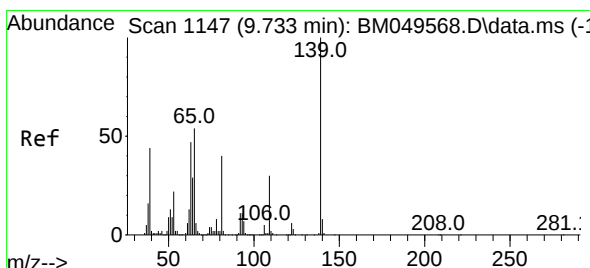
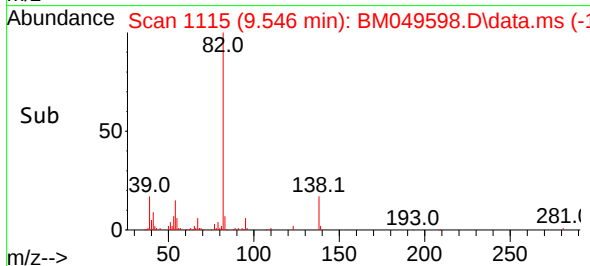
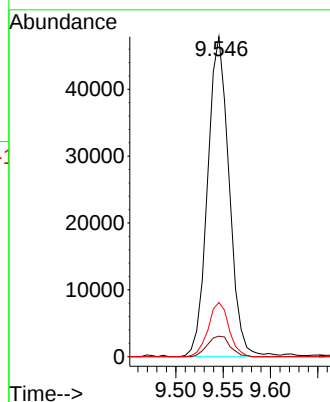
BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025



Tgt Ion:	82	Resp:	75674
Ion Ratio	Lower	Upper	
82	100		
95	6.4	5.5	8.3
138	17.0	13.6	20.4



#26

2-Nitrophenol

Concen: 4.141 ng

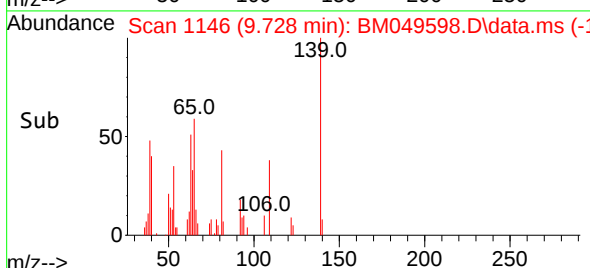
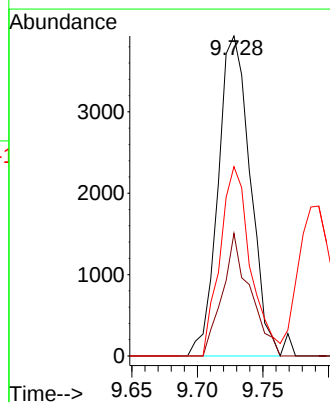
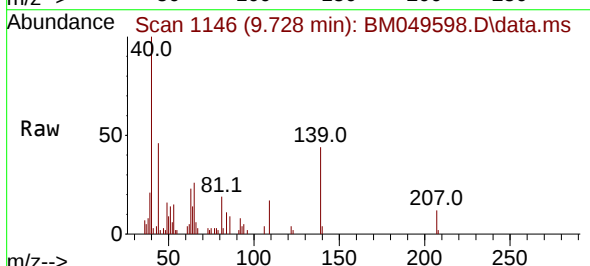
RT: 9.728 min Scan# 1146

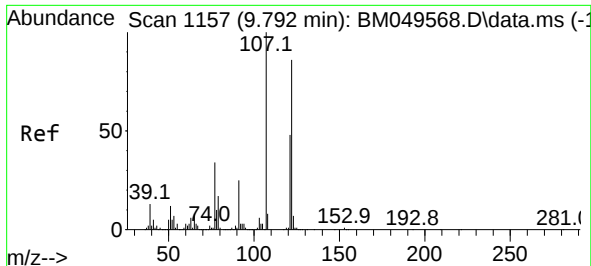
Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Tgt Ion:	139	Resp:	6705
Ion Ratio	Lower	Upper	
139	100		
109	38.3	24.2	36.2#
65	59.2	43.4	65.2

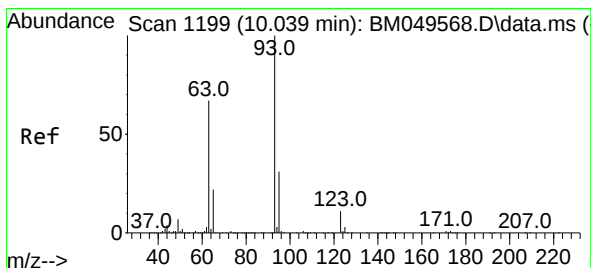
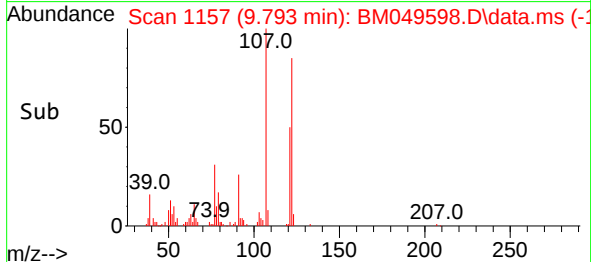
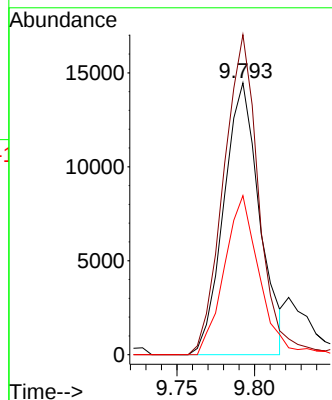
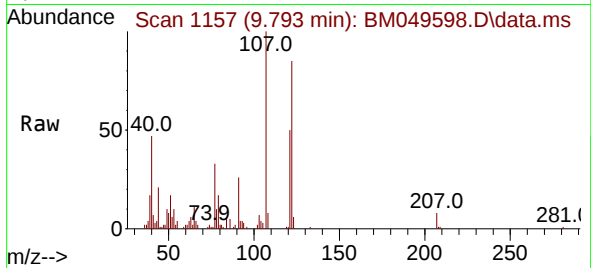




#27
2,4-Dimethylphenol
Concen: 3.670 ng m
RT: 9.793 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

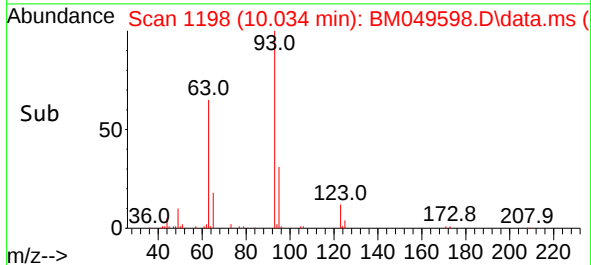
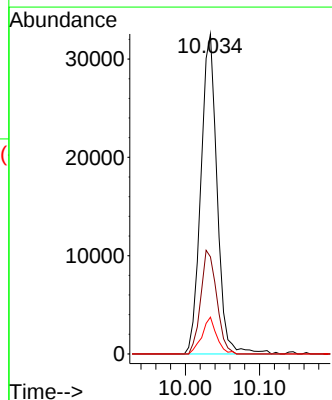
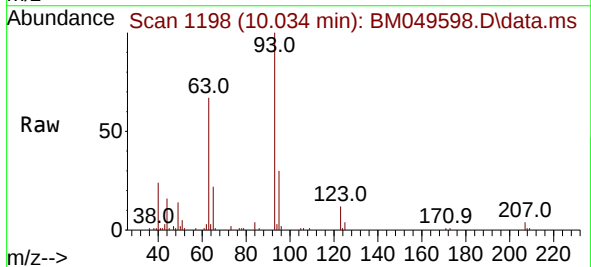
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

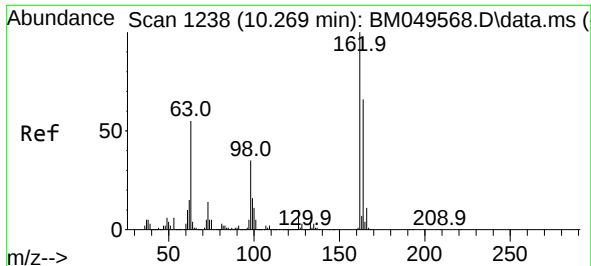
Tgt Ion:122 Resp: 23136
Ion Ratio Lower Upper
122 100
107 117.7 93.2 139.8
121 58.5 44.4 66.6



#28
bis(2-Chloroethoxy)methane
Concen: 3.854 ng
RT: 10.034 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion: 93 Resp: 49487
Ion Ratio Lower Upper
93 100
95 30.3 25.2 37.8
123 11.5 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 2.793 ng

RT: 10.263 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

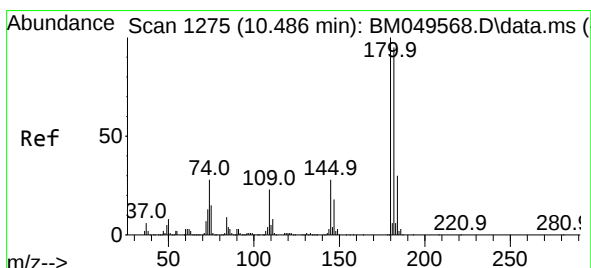
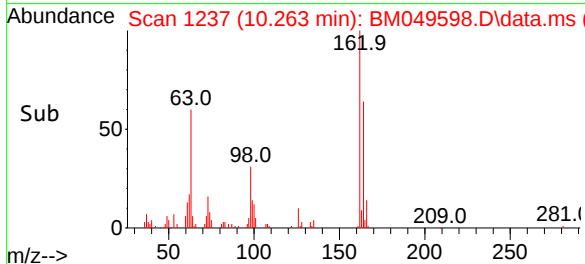
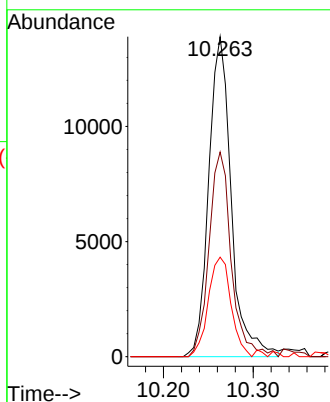
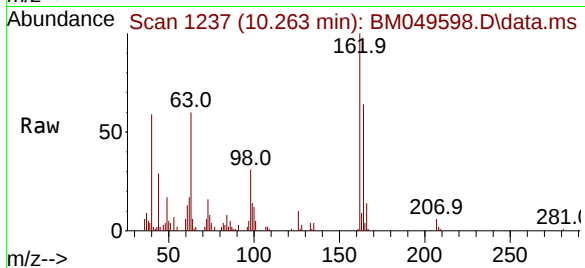
Tgt Ion:162 Resp: 24245

Ion Ratio Lower Upper

162 100

164 64.0 46.0 86.0

98 31.1 14.7 54.7



#30

1,2,4-Trichlorobenzene

Concen: 3.913 ng

RT: 10.481 min Scan# 1274

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

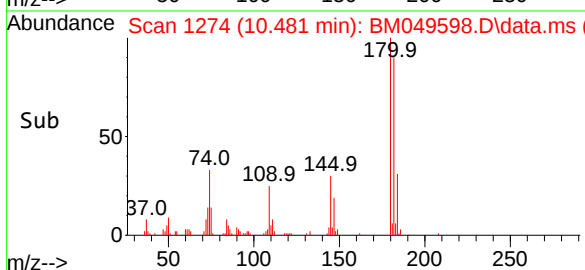
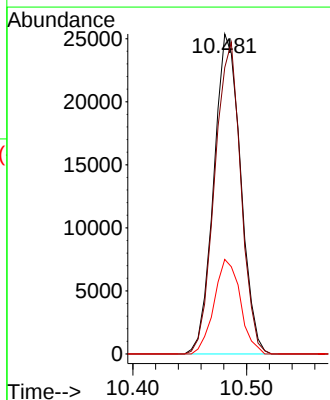
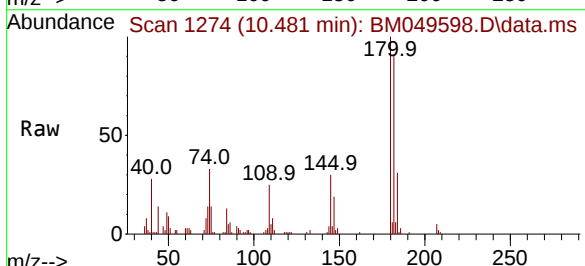
Tgt Ion:180 Resp: 41621

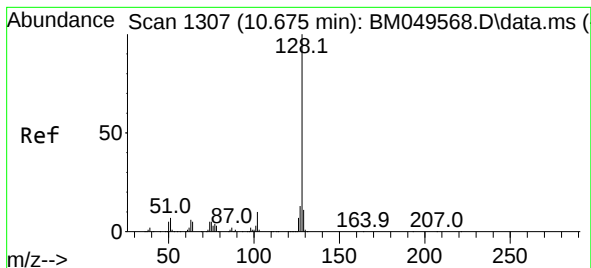
Ion Ratio Lower Upper

180 100

182 89.5 76.4 114.6

145 29.6 22.5 33.7





#31

Naphthalene

Concen: 3.945 ng

RT: 10.669 min Scan# 1162

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

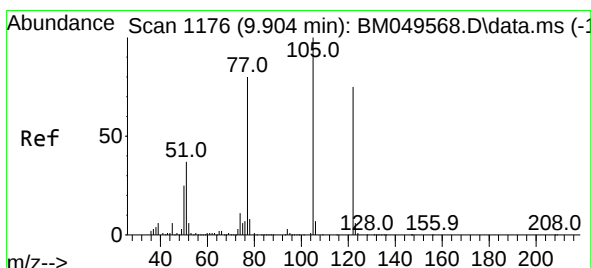
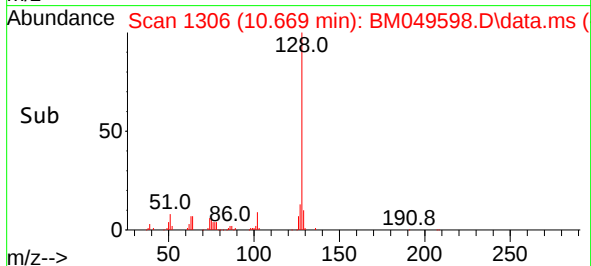
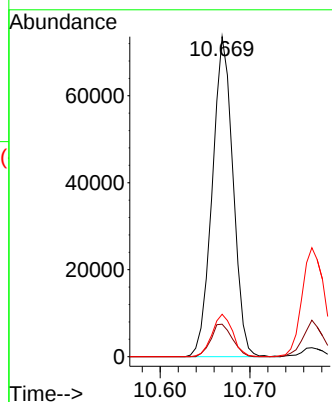
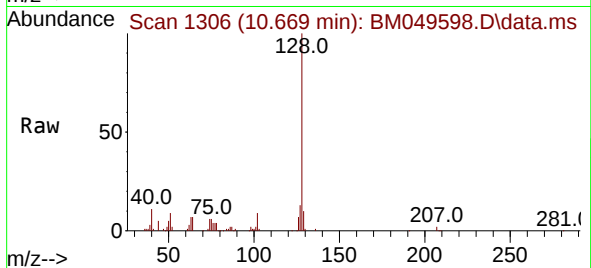
Tgt Ion:128 Resp: 118304

Ion Ratio Lower Upper

128 100

129 10.1 9.0 13.4

127 13.2 10.6 15.8



#32

Benzoic acid

Concen: 6.304 ng m

RT: 9.822 min Scan# 1162

Delta R.T. -0.082 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

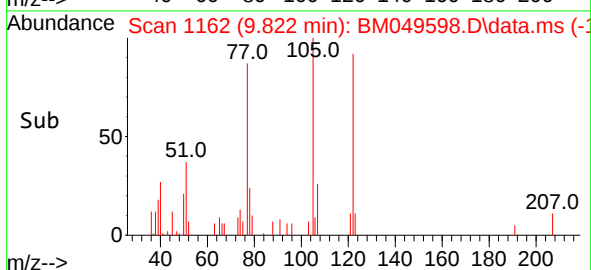
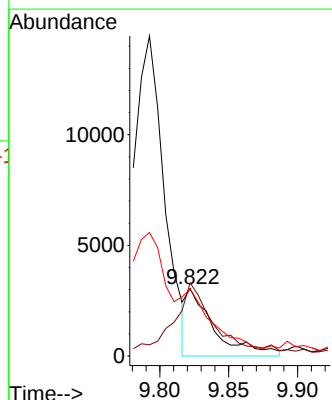
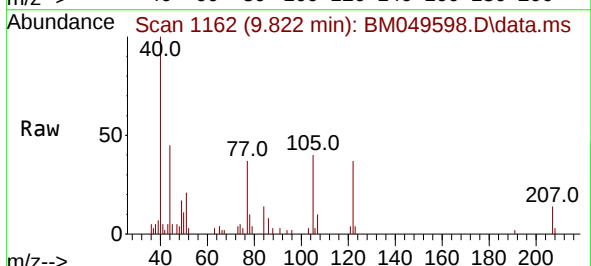
Tgt Ion:122 Resp: 4232

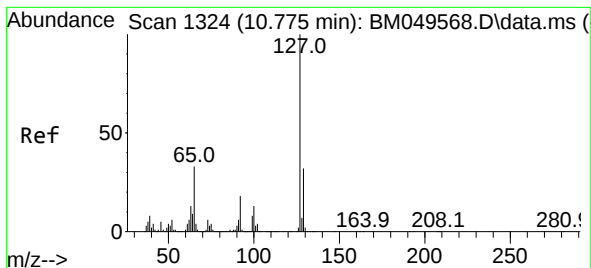
Ion Ratio Lower Upper

122 100

105 108.2 103.6 143.6

77 99.0 82.4 122.4





#33

4-Chloroaniline

Concen: 3.894 ng

RT: 10.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:127 Resp: 43707

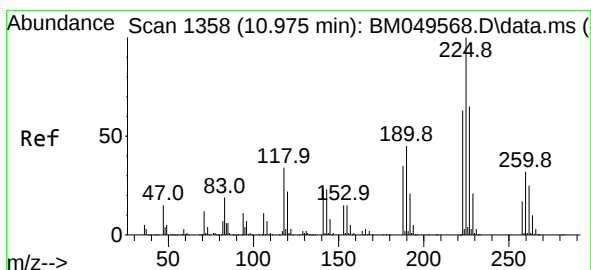
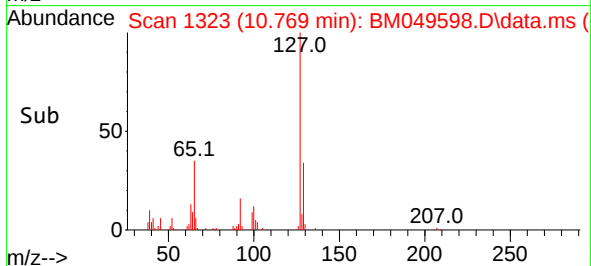
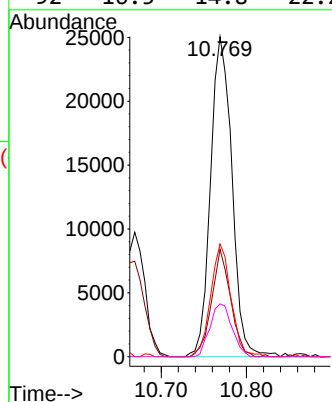
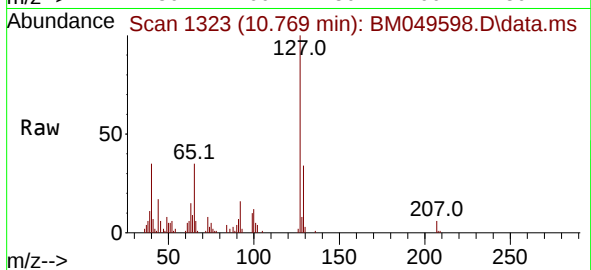
Ion Ratio Lower Upper

127 100

129 33.6 25.8 38.8

65 35.2 26.4 39.6

92 16.5 14.8 22.2



#34

Hexachlorobutadiene

Concen: 4.121 ng

RT: 10.969 min Scan# 1357

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

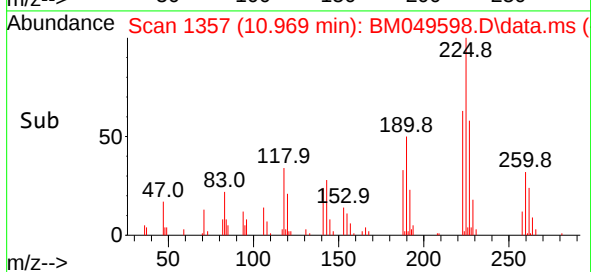
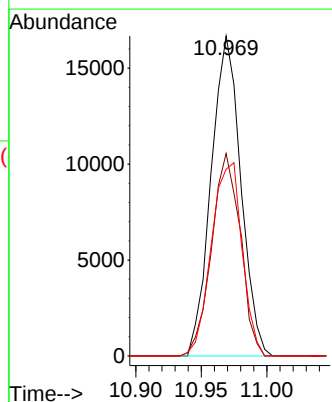
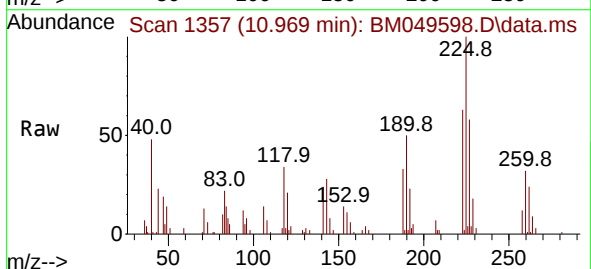
Tgt Ion:225 Resp: 26247

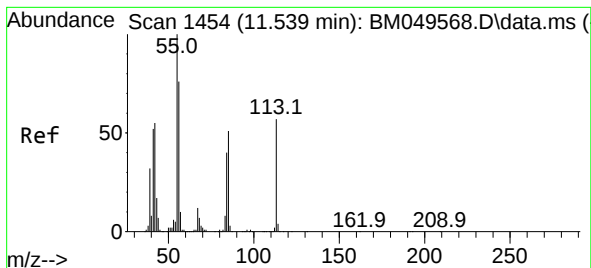
Ion Ratio Lower Upper

225 100

223 63.3 50.6 75.8

227 58.4 51.8 77.6





#35

Caprolactam

Concen: 2.227 ng

RT: 11.510 min Scan# 14

Delta R.T. -0.029 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

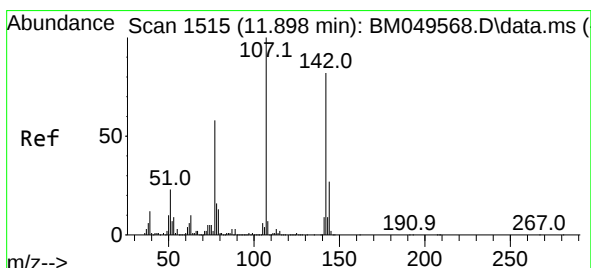
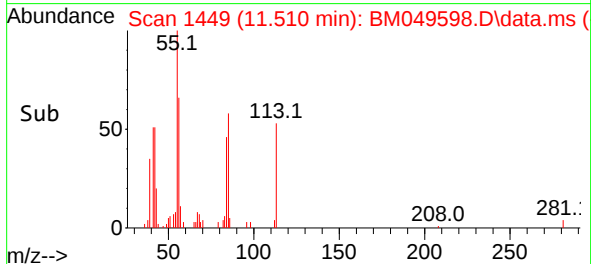
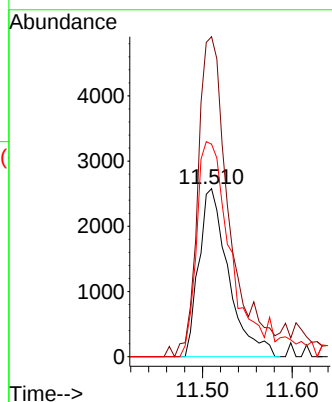
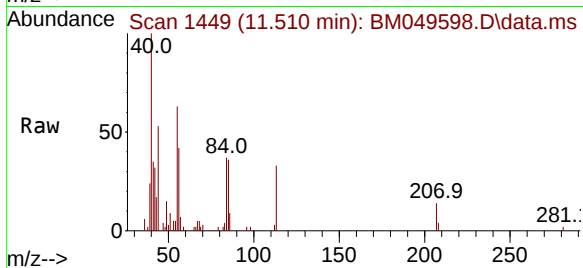
Tgt Ion:113 Resp: 5899

Ion Ratio Lower Upper

113 100

55 190.4 157.5 197.5

56 126.4 114.6 154.6



#36

4-Chloro-3-methylphenol

Concen: 2.623 ng

RT: 11.892 min Scan# 1514

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

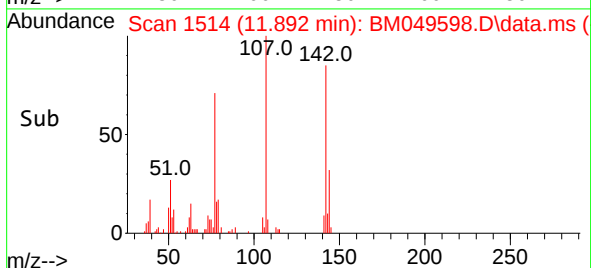
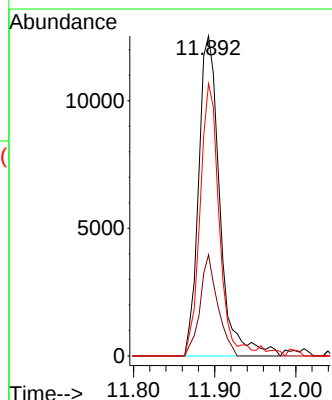
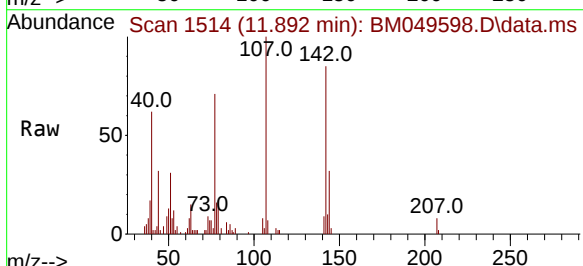
Tgt Ion:107 Resp: 22707

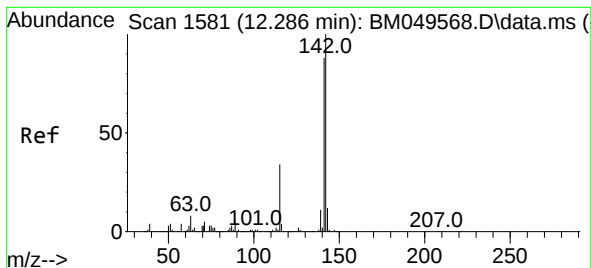
Ion Ratio Lower Upper

107 100

144 31.6 21.2 31.8

142 85.1 65.4 98.2





#37

2-Methylnaphthalene

Concen: 3.617 ng

RT: 12.281 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

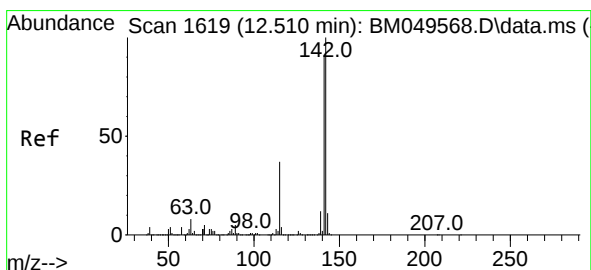
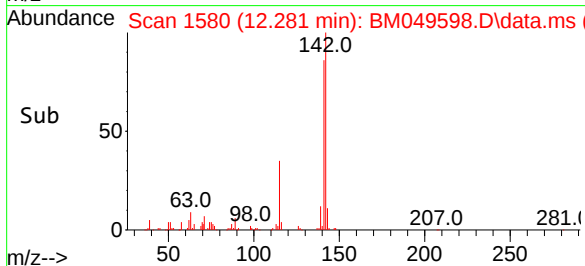
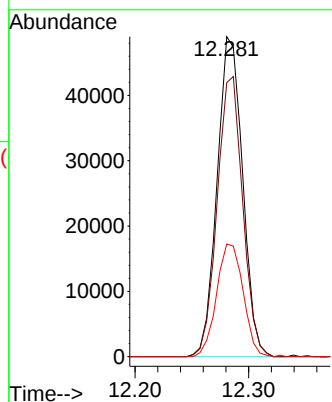
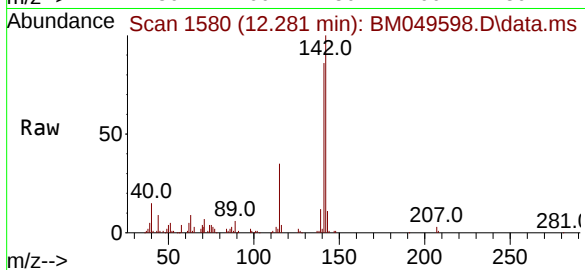
Tgt Ion:142 Resp: 76369

Ion Ratio Lower Upper

142 100

141 85.6 70.2 105.4

115 35.2 27.5 41.3



#38

1-Methylnaphthalene

Concen: 3.519 ng

RT: 12.504 min Scan# 1618

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

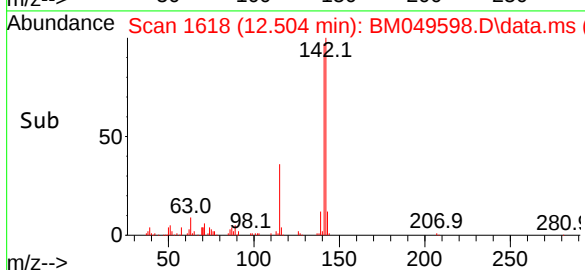
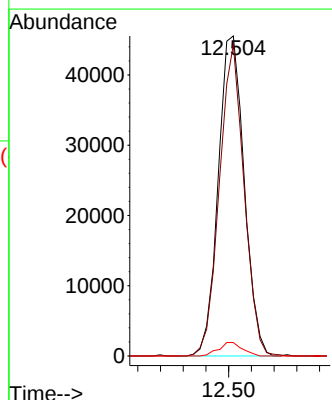
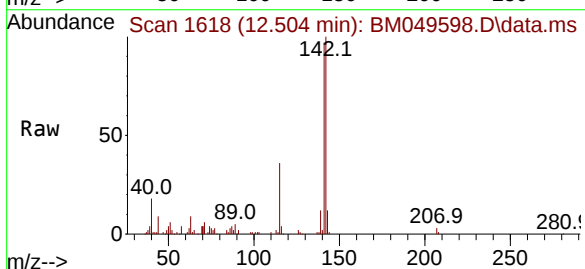
Tgt Ion:142 Resp: 72285

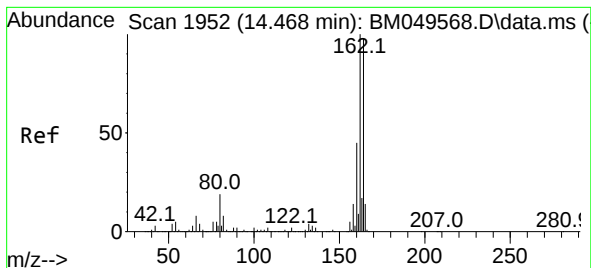
Ion Ratio Lower Upper

142 100

141 97.3 73.1 109.7

116 4.2 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.463 min Scan# 1952

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

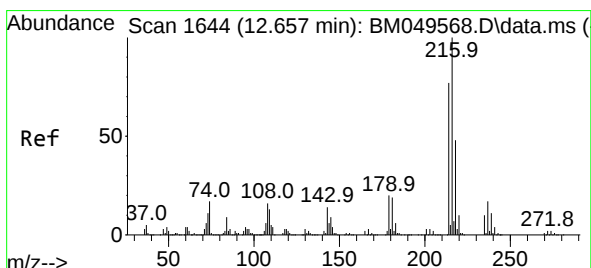
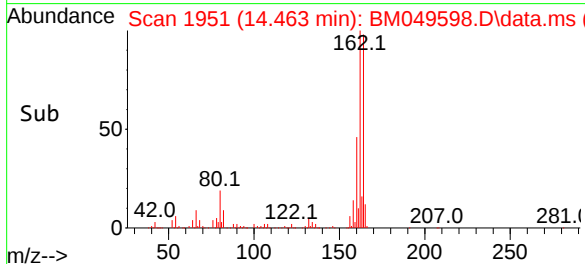
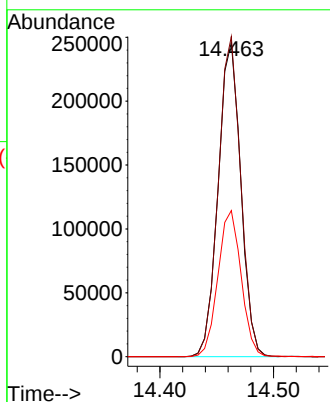
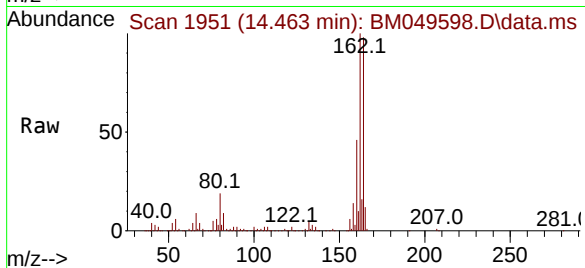
Tgt Ion:164 Resp: 341228

Ion Ratio Lower Upper

164 100

162 101.8 81.4 122.0

160 46.5 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.908 ng

RT: 12.651 min Scan# 1643

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Tgt Ion:216 Resp: 43845

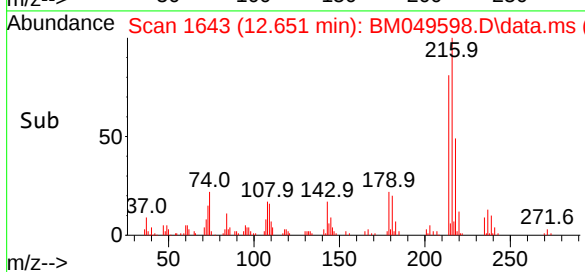
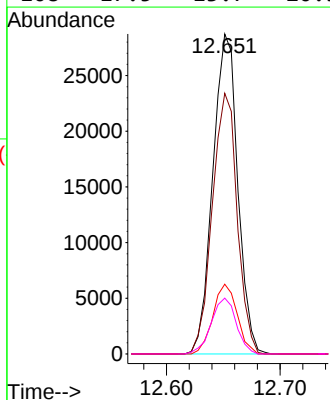
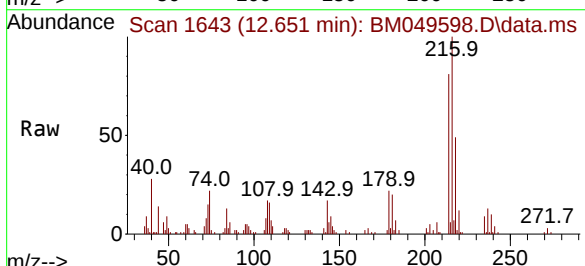
Ion Ratio Lower Upper

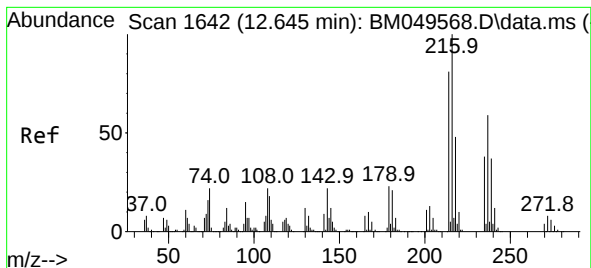
216 100

214 81.2 62.4 93.6

179 21.2 16.3 24.5

108 17.5 13.7 20.5

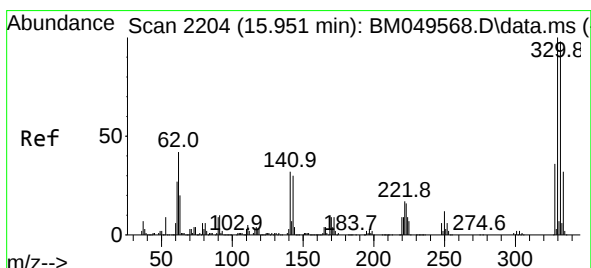
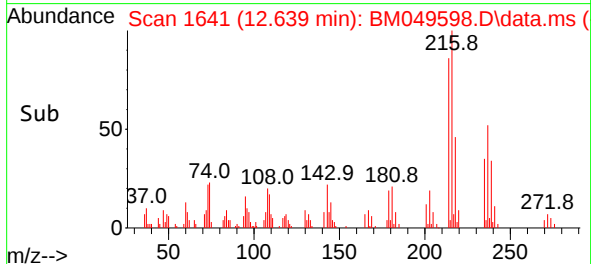
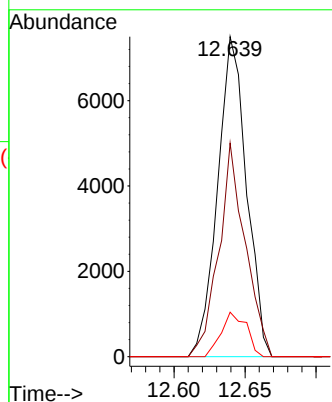
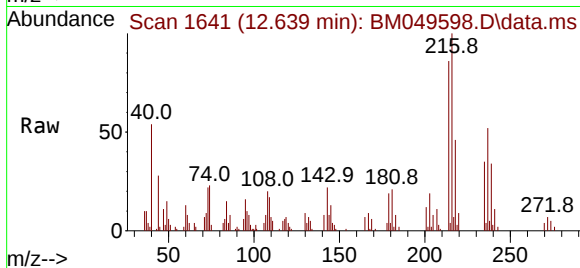




#41
Hexachlorocyclopentadiene
Concen: 3.709 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

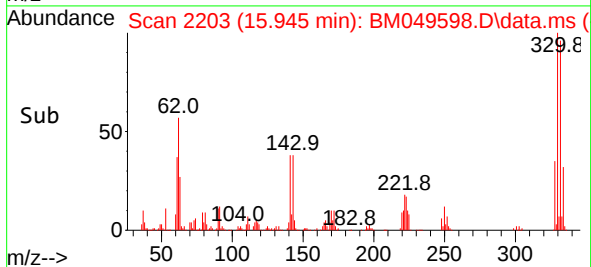
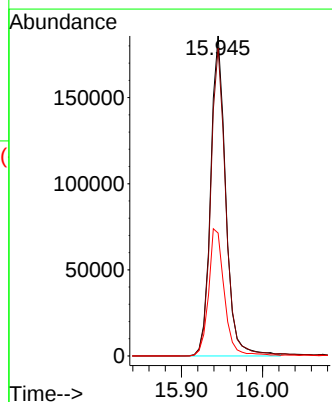
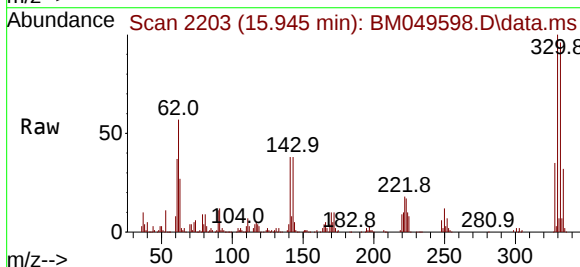
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

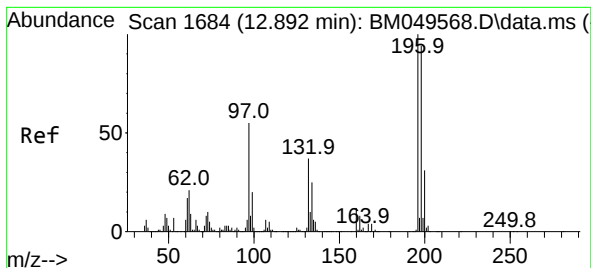
Tgt Ion:237 Resp: 10622
Ion Ratio Lower Upper
237 100
235 66.7 43.8 83.8
272 13.9 0.0 33.5



#42
2,4,6-Tribromophenol
Concen: 59.331 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:330 Resp: 239891
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 41.5 28.2 42.2





#43

2,4,6-Trichlorophenol

Concen: 2.195 ng

RT: 12.892 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

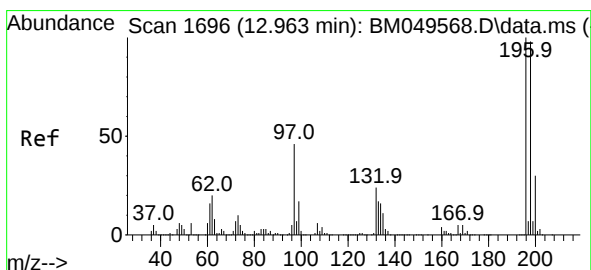
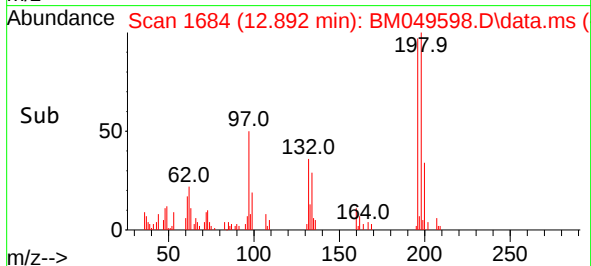
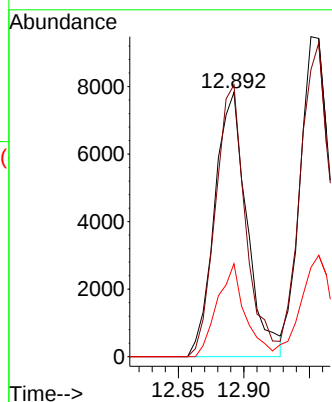
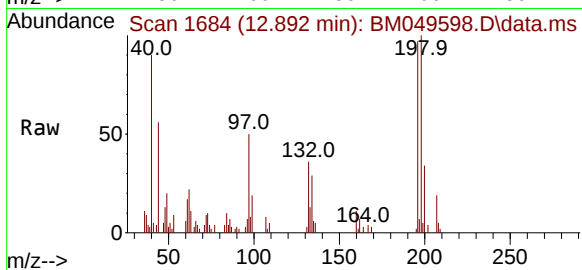
Tgt Ion:196 Resp: 13435

Ion Ratio Lower Upper

196 100

198 102.8 75.4 113.0

200 35.2 25.1 37.7



#44

2,4,5-Trichlorophenol

Concen: 2.544 ng

RT: 12.951 min Scan# 1694

Delta R.T. -0.011 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Tgt Ion:196 Resp: 17116

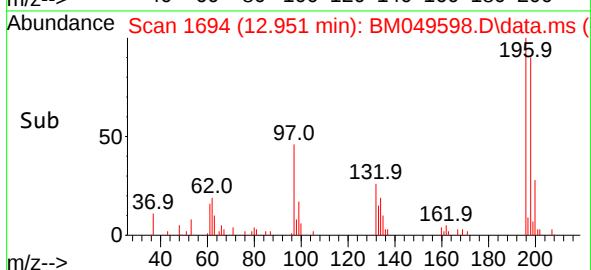
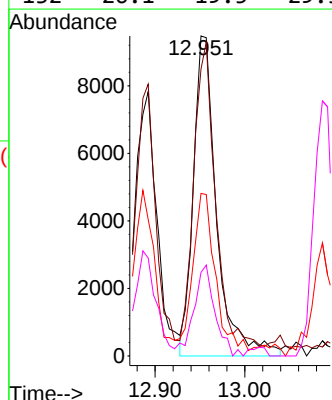
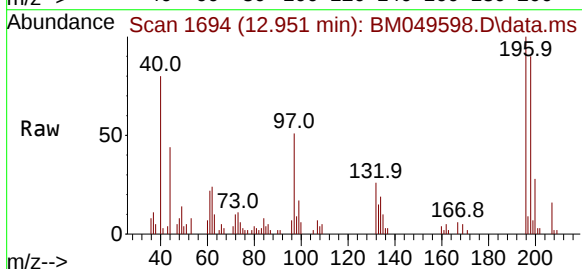
Ion Ratio Lower Upper

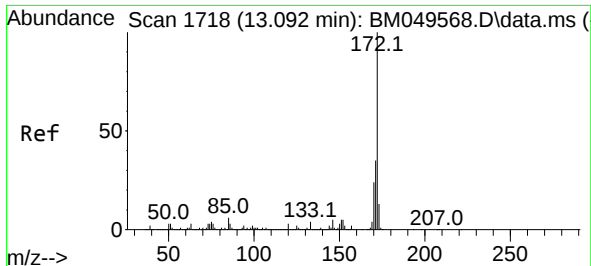
196 100

198 89.6 78.4 117.6

97 50.8 37.4 56.0

132 26.1 19.5 29.3

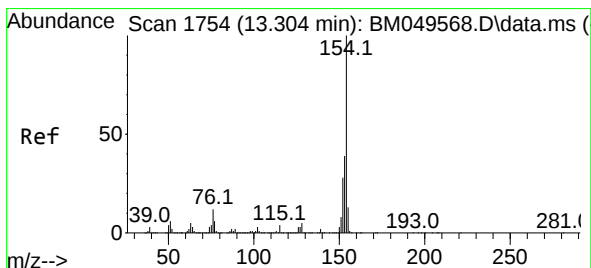
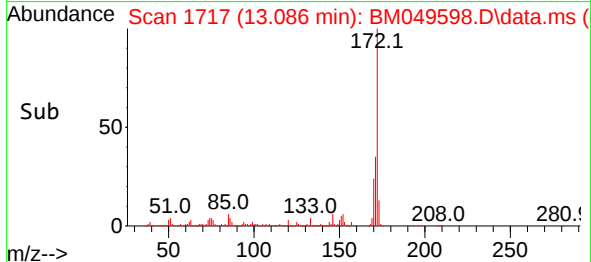
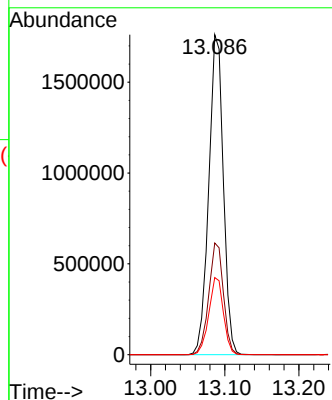
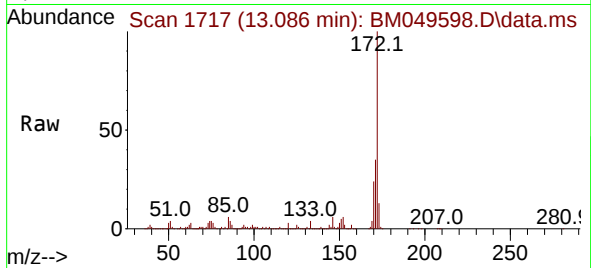




#45
2-Fluorobiphenyl
Concen: 91.225 ng
RT: 13.086 min Scan# 1718
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

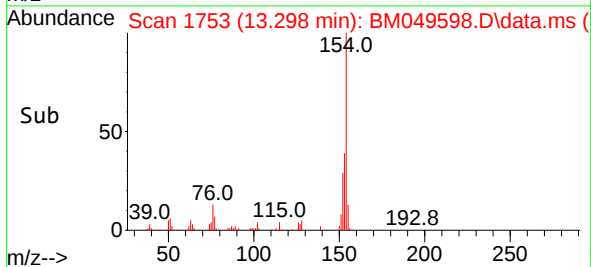
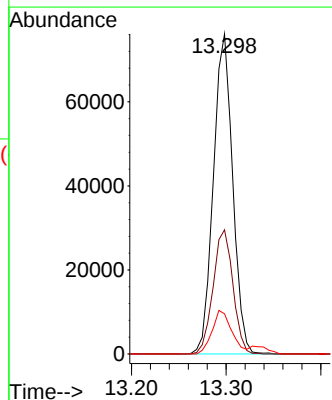
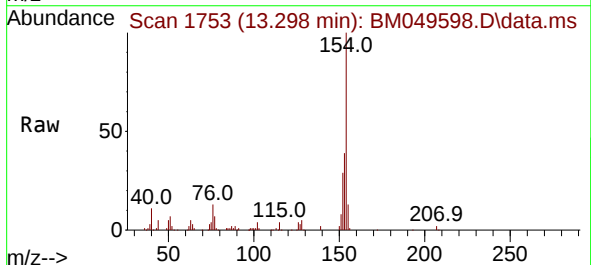
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

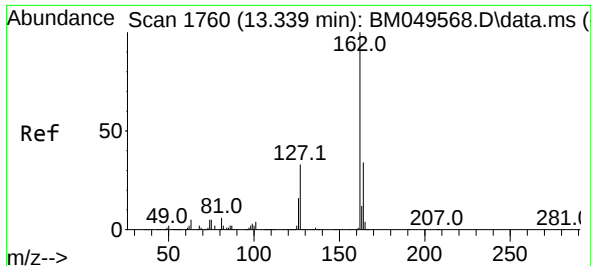
Tgt Ion:172 Resp: 2402918
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 24.1 19.0 28.4



#46
1,1'-Biphenyl
Concen: 4.134 ng
RT: 13.298 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:154 Resp: 107623
Ion Ratio Lower Upper
154 100
153 38.8 19.5 59.5
76 12.6 0.0 32.1

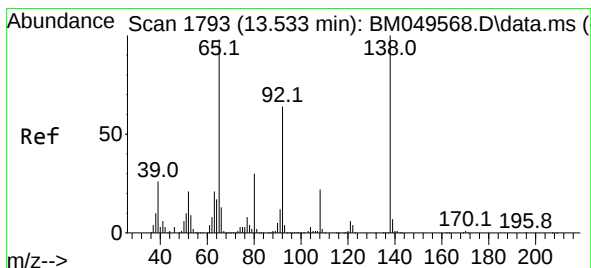
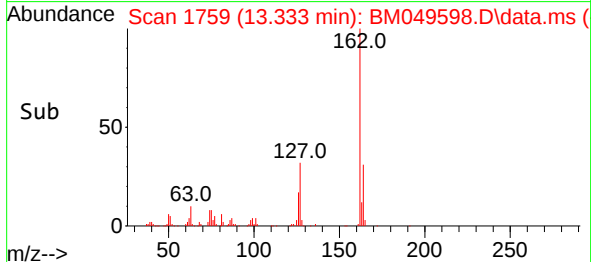
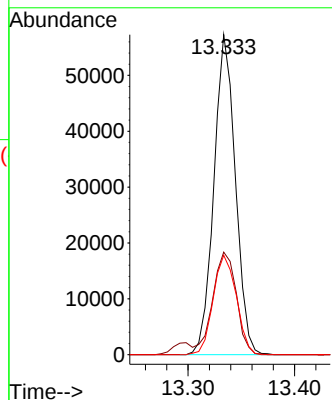
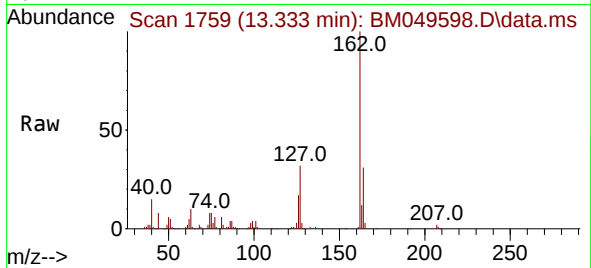




#47
2-Chloronaphthalene
Concen: 3.975 ng
RT: 13.333 min Scan# 1759
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

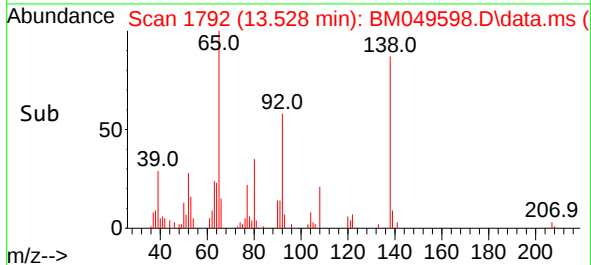
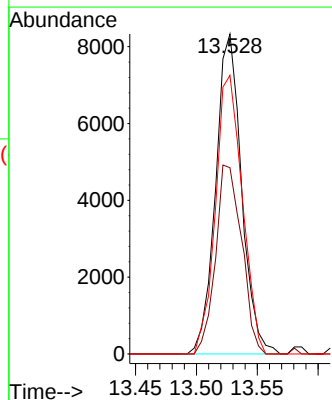
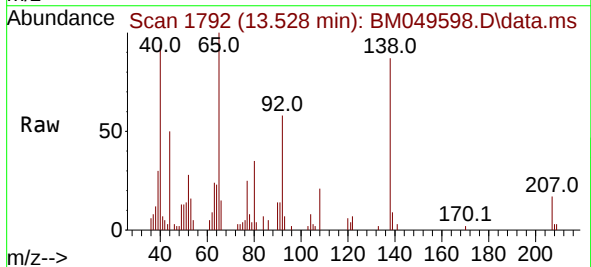
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

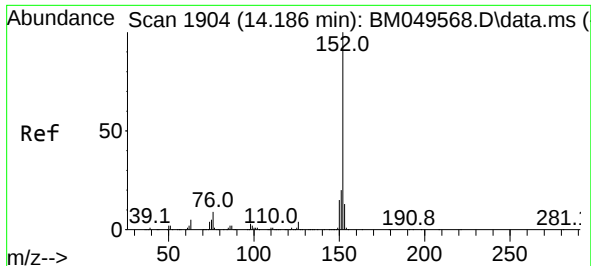
Tgt Ion:162 Resp: 80066
Ion Ratio Lower Upper
162 100
127 32.0 27.9 41.9
164 31.1 26.8 40.2



#48
2-Nitroaniline
Concen: 6.250 ng
RT: 13.528 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion: 65 Resp: 12332
Ion Ratio Lower Upper
65 100
92 58.2 52.0 78.0
138 87.0 81.6 122.4

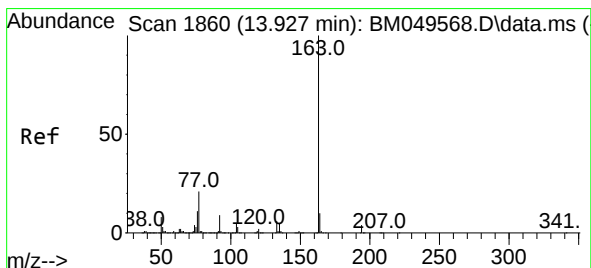
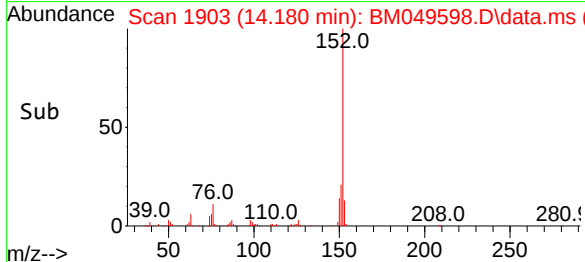
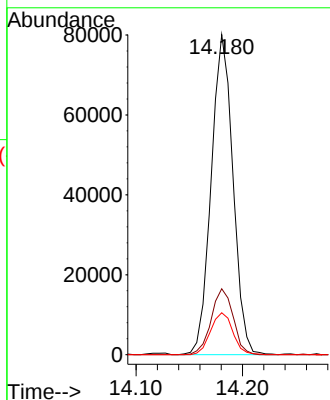
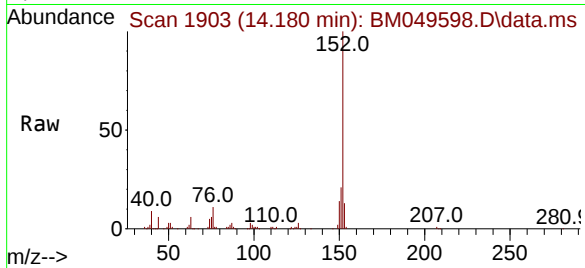




#49
Acenaphthylene
Concen: 3.833 ng
RT: 14.180 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

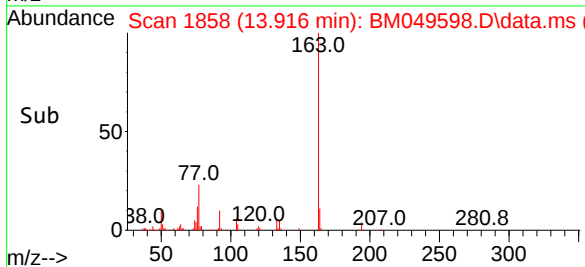
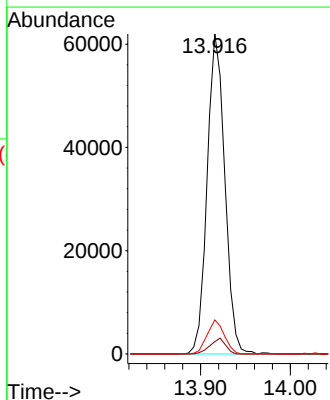
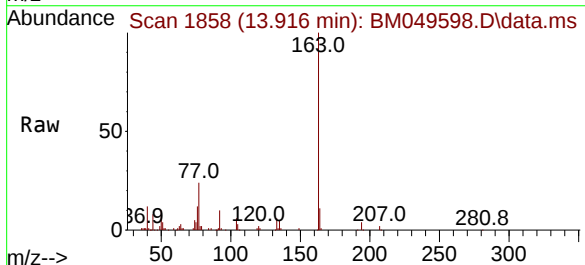
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

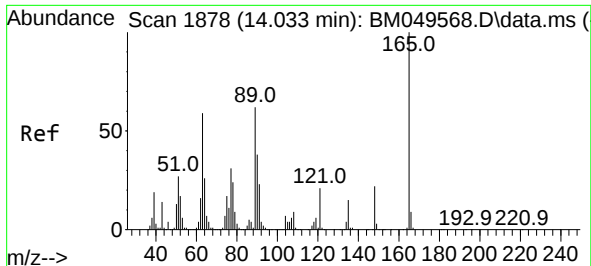
Tgt Ion:152 Resp: 113833
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4
153 13.1 10.6 16.0



#50
Dimethylphthalate
Concen: 3.455 ng
RT: 13.916 min Scan# 1858
Delta R.T. -0.011 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:163 Resp: 84669
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.7 8.1 12.1

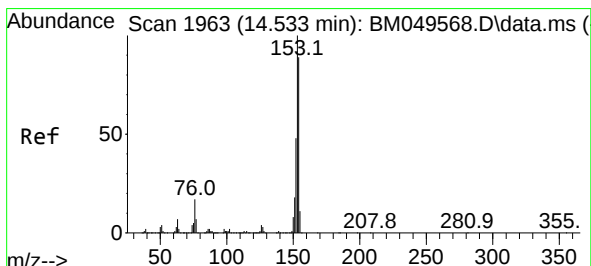
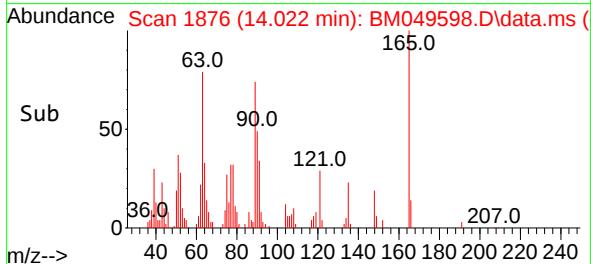
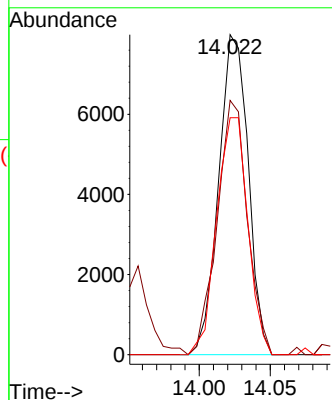
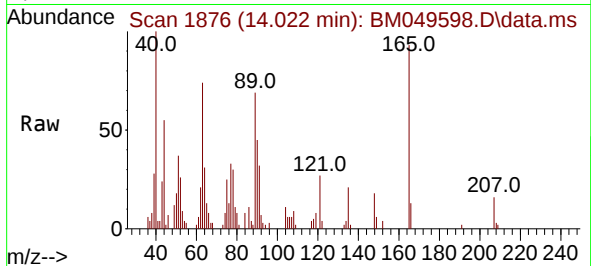




#51
2,6-Dinitrotoluene
Concen: 2.723 ng
RT: 14.022 min Scan# 11
Delta R.T. -0.011 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

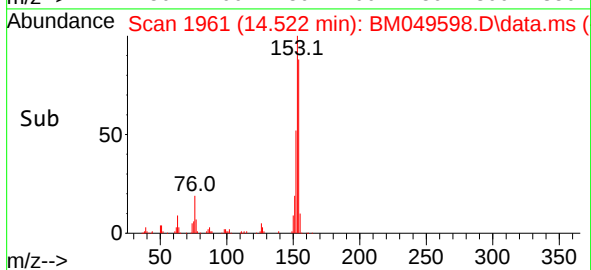
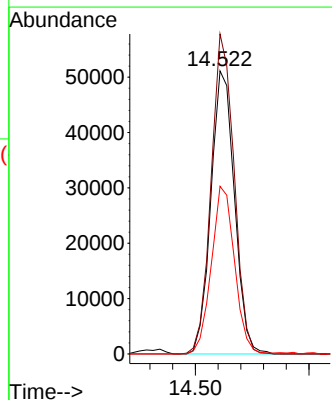
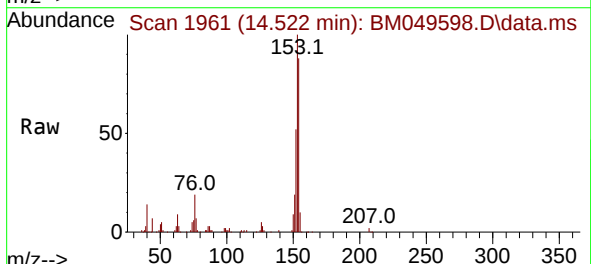
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

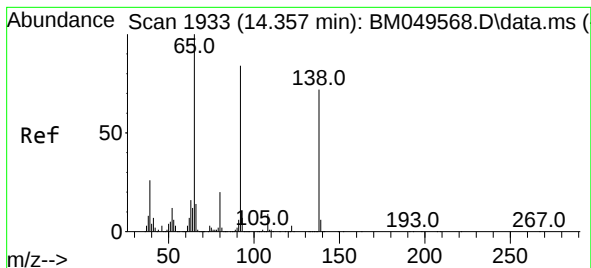
Tgt Ion:165 Resp: 11546
Ion Ratio Lower Upper
165 100
63 79.5 47.8 71.6#
89 74.1 49.2 73.8#



#52
Acenaphthene
Concen: 3.734 ng
RT: 14.522 min Scan# 1961
Delta R.T. -0.011 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:154 Resp: 73600
Ion Ratio Lower Upper
154 100
153 113.0 90.0 135.0
152 59.2 43.0 64.4

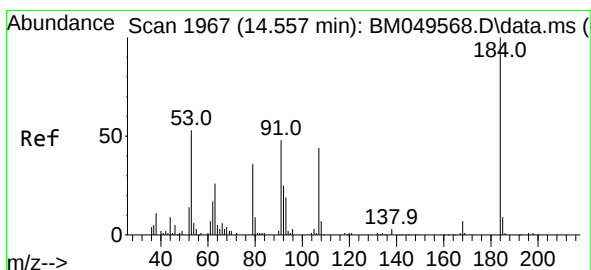
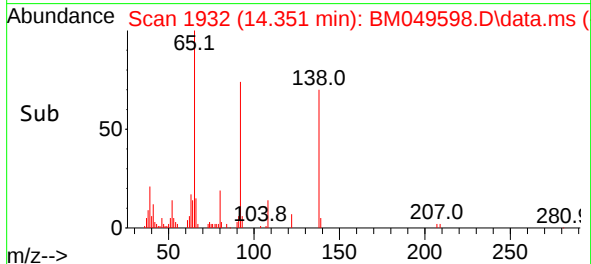
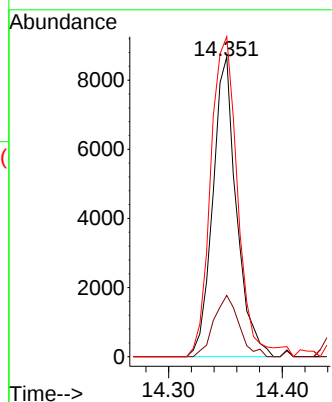
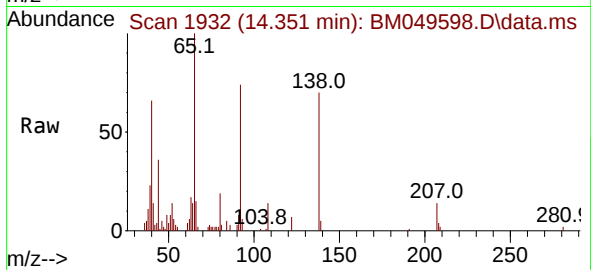




#53
3-Nitroaniline
Concen: 2.911 ng
RT: 14.351 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

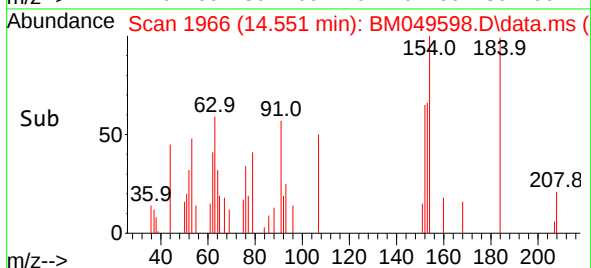
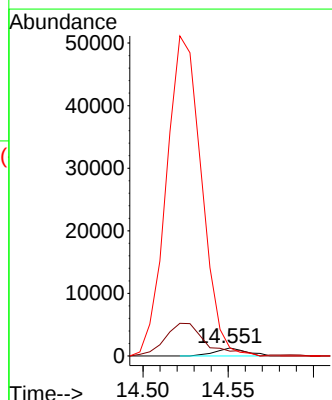
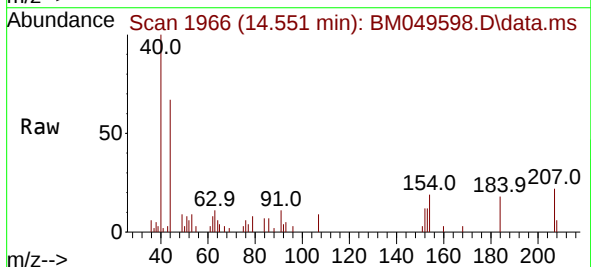
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

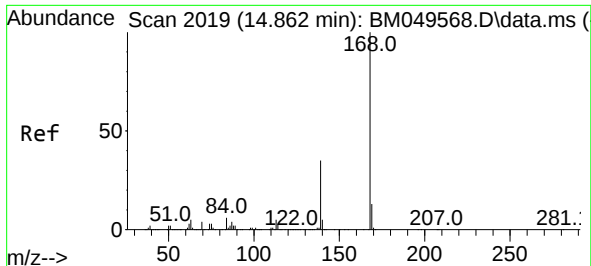
Tgt Ion:138 Resp: 12567
Ion Ratio Lower Upper
138 100
108 20.4 10.3 15.5#
92 106.7 93.6 140.4



#54
2,4-Dinitrophenol
Concen: 4.529 ng
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:184 Resp: 1607
Ion Ratio Lower Upper
184 100
63 59.7 60.2 90.4#
154 100.9 78.2 117.4

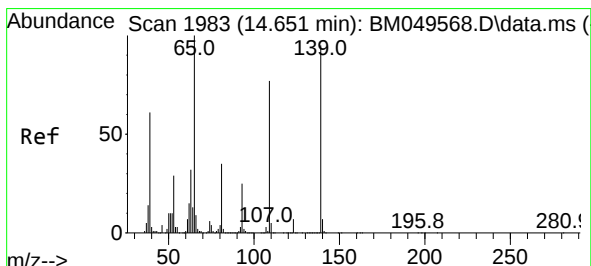
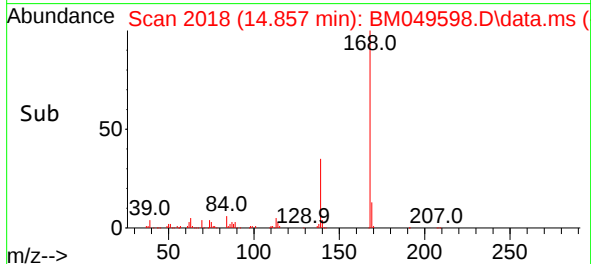
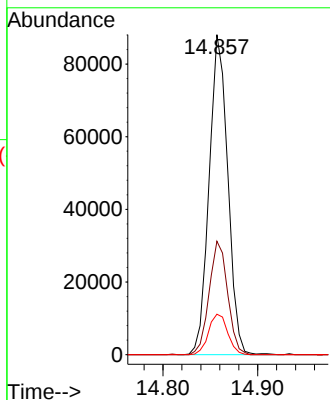
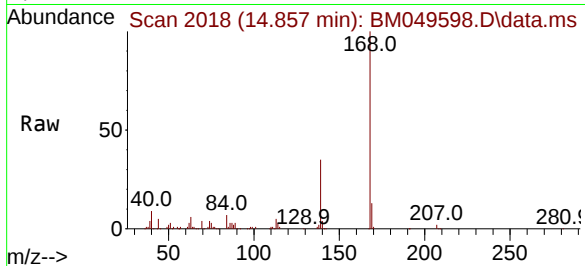




#55
Dibenzenofuran
Concen: 3.834 ng
RT: 14.857 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

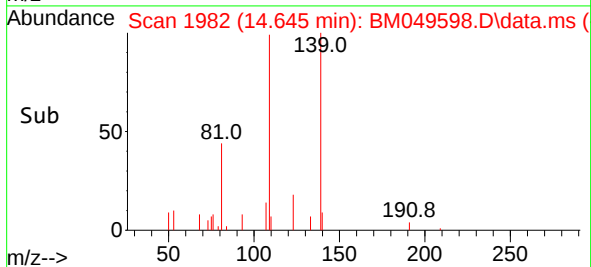
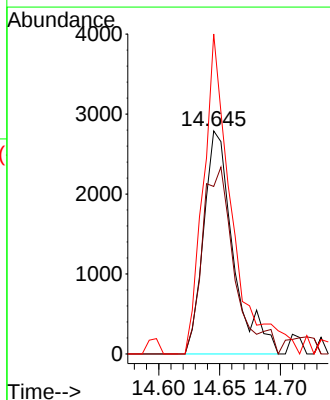
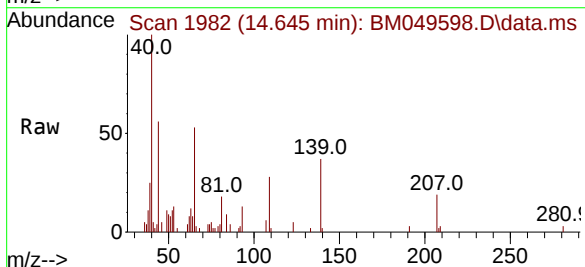
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

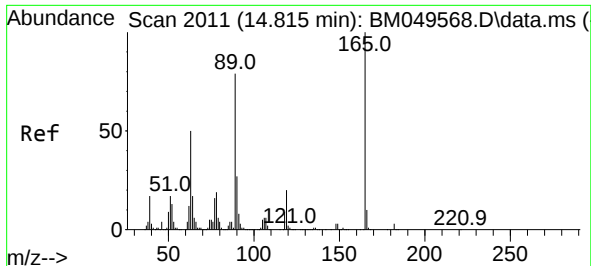
Tgt Ion:168 Resp: 120343
Ion Ratio Lower Upper
168 100
139 35.4 28.4 42.6
169 12.6 10.8 16.2



#56
4-Nitrophenol
Concen: 1.294 ng
RT: 14.645 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:139 Resp: 4711
Ion Ratio Lower Upper
139 100
109 75.2 61.4 101.4
65 143.5 85.6 125.6#

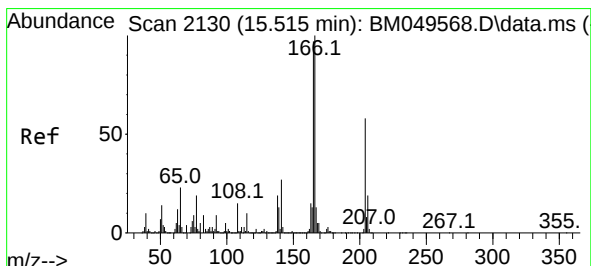
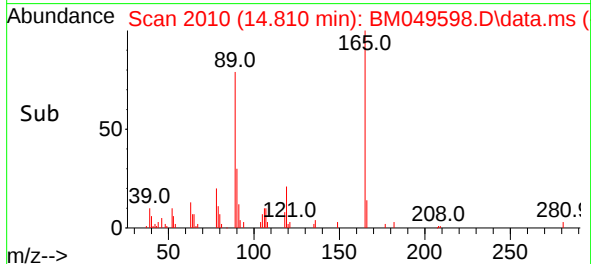
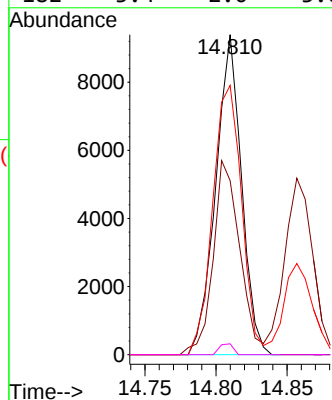
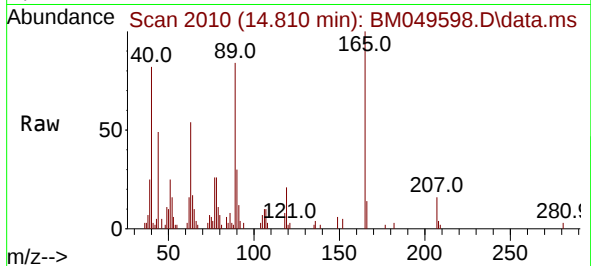




#57
2,4-Dinitrotoluene
Concen: 4.870 ng
RT: 14.810 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

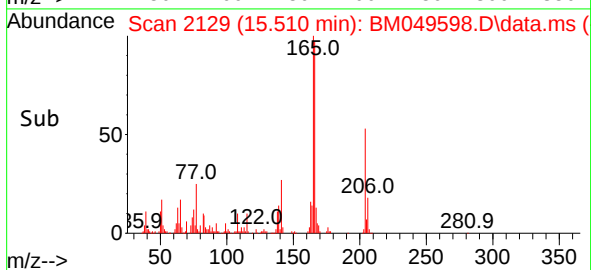
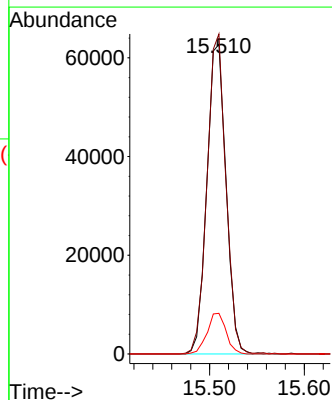
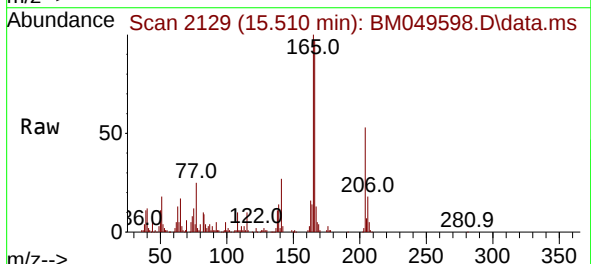
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

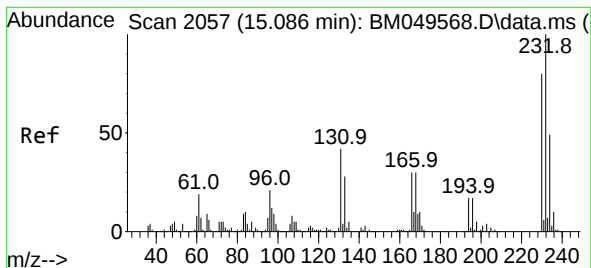
Tgt Ion:165 Resp: 11877
Ion Ratio Lower Upper
165 100
63 54.4 39.8 59.6
89 84.1 63.5 95.3
182 3.4 2.0 3.0#



#58
Fluorene
Concen: 3.289 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:166 Resp: 88306
Ion Ratio Lower Upper
166 100
165 103.4 77.7 116.5
167 13.2 10.7 16.1

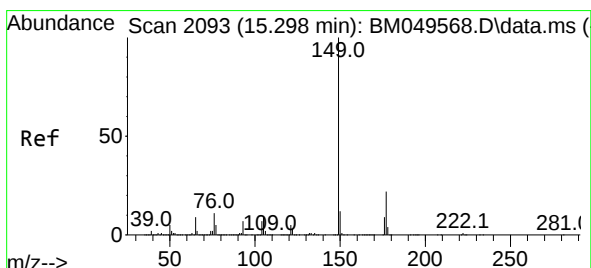
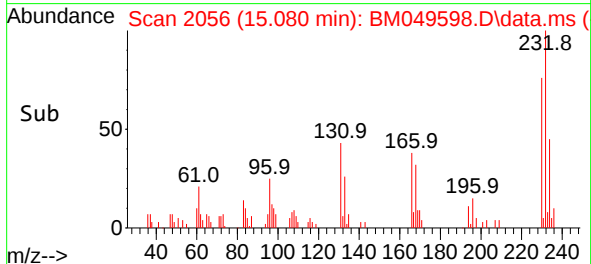
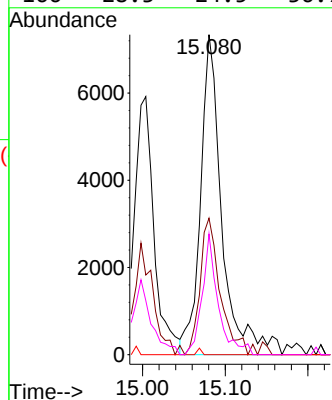
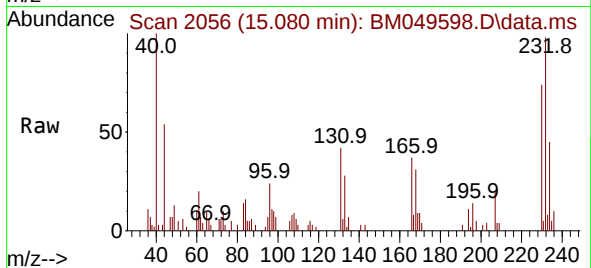




#59
2,3,4,6-Tetrachlorophenol
Concen: 2.322 ng m
RT: 15.080 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

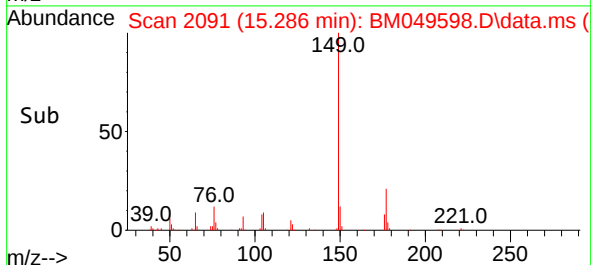
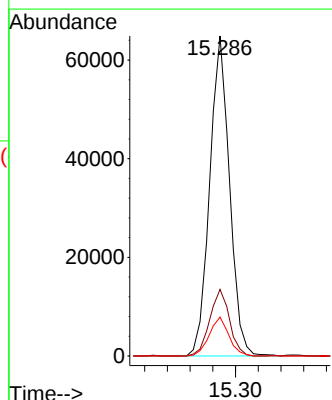
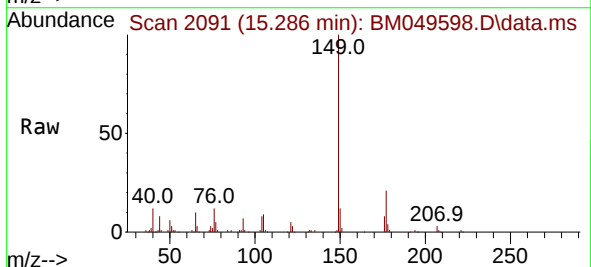
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

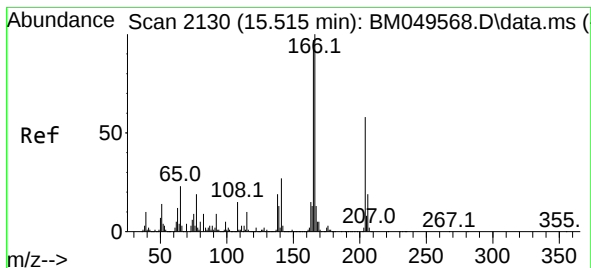
Tgt Ion:232 Resp: 13198
Ion Ratio Lower Upper
232 100
131 40.5 34.5 51.7
130 0.4 1.9 2.9#
166 28.3 24.5 36.7



#60
Diethylphthalate
Concen: 3.192 ng
RT: 15.286 min Scan# 2091
Delta R.T. -0.011 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:149 Resp: 78604
Ion Ratio Lower Upper
149 100
177 20.8 18.0 27.0
150 12.1 9.7 14.5

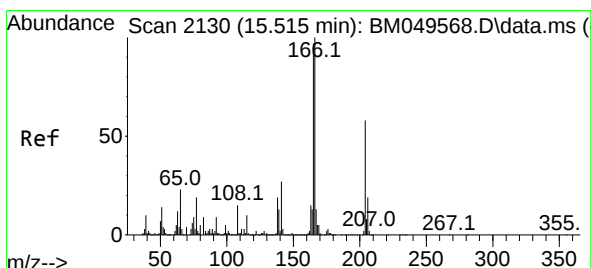
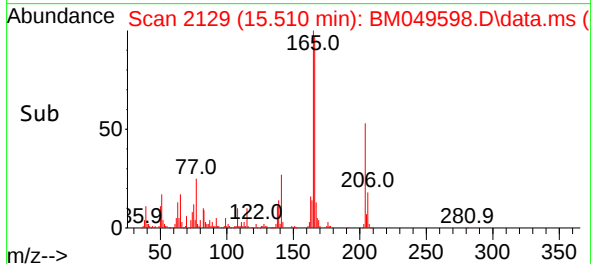
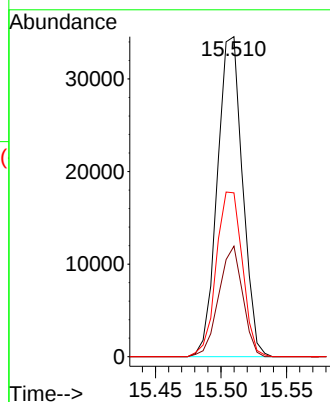
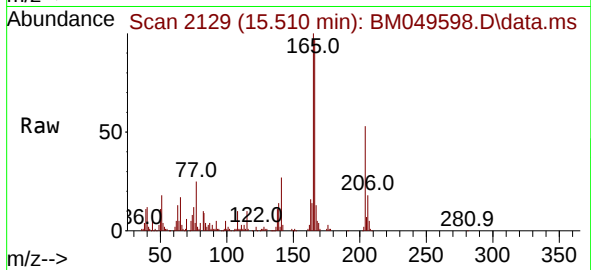




#61
4-Chlorophenyl-phenylether
Concen: 3.229 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

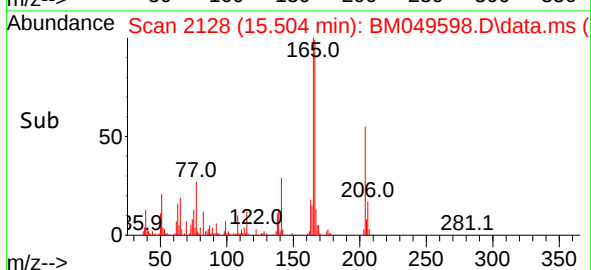
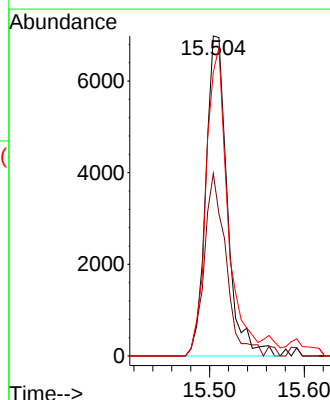
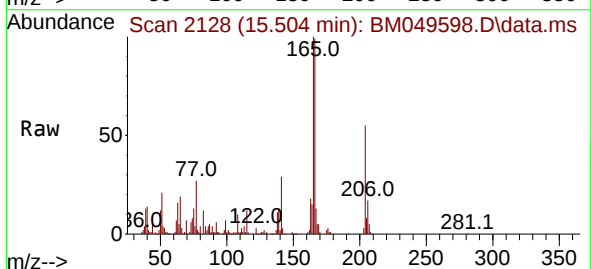
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

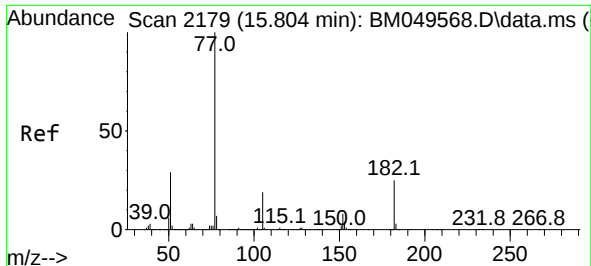
Tgt Ion:204 Resp: 46151
Ion Ratio Lower Upper
204 100
206 34.6 26.0 39.0
141 51.2 37.1 55.7



#62
4-Nitroaniline
Concen: 6.006 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.011 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:138 Resp: 10997
Ion Ratio Lower Upper
138 100
92 57.0 29.3 69.3
108 88.8 60.1 100.1

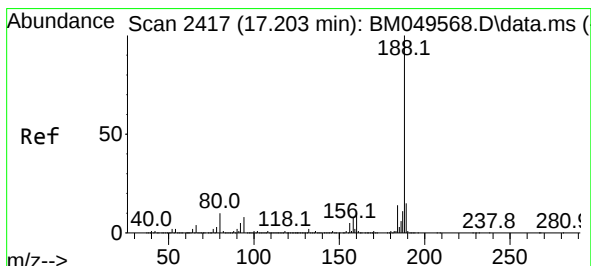
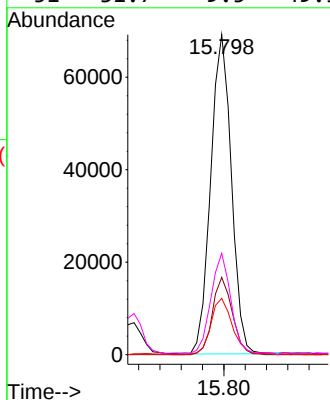
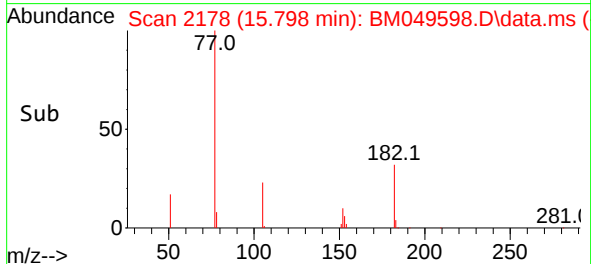
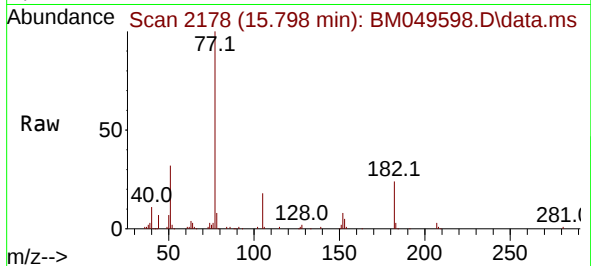




#63
Azobenzene
Concen: 3.617 ng
RT: 15.798 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

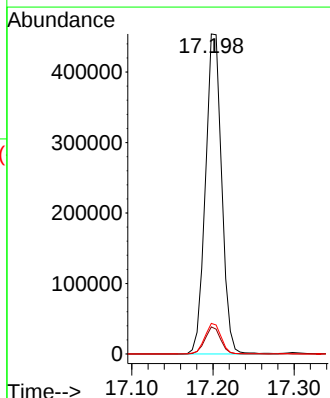
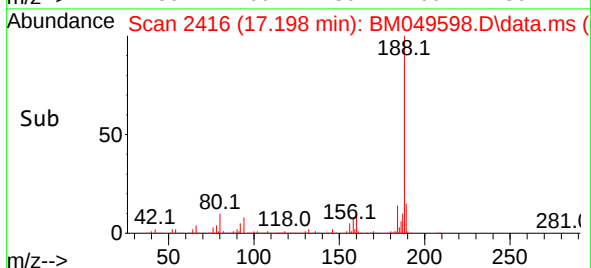
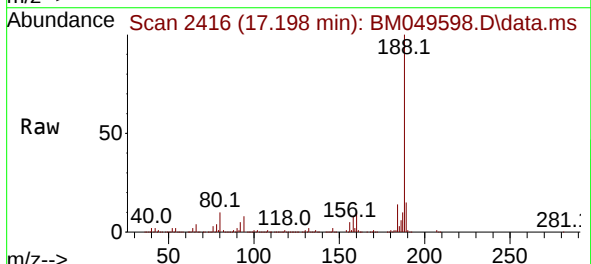
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

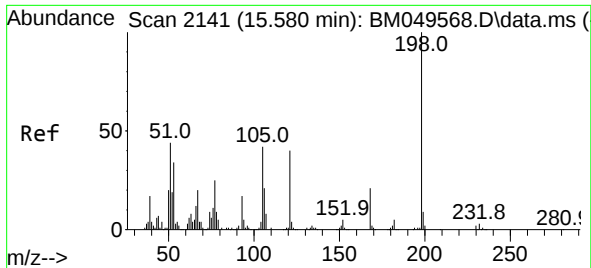
Tgt Ion: 77	Resp: 92976
Ion Ratio	Lower Upper
77 100	
182 24.2	4.7 44.7
105 17.6	0.0 39.3
51 31.7	9.5 49.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion: 188	Resp: 628603
Ion Ratio	Lower Upper
188 100	
94 8.5	6.7 10.1
80 9.5	7.7 11.5

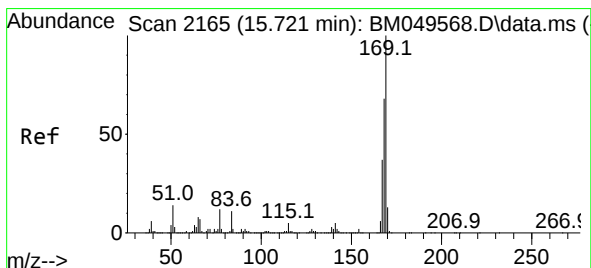
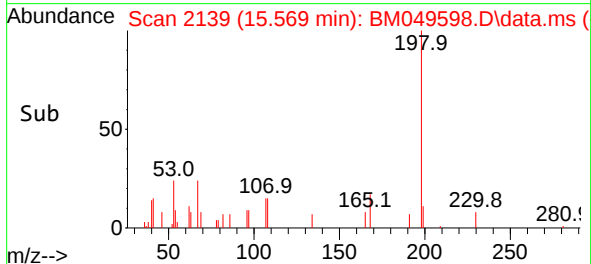
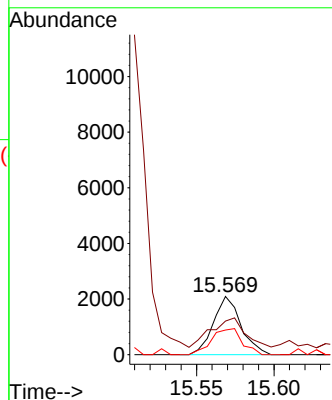
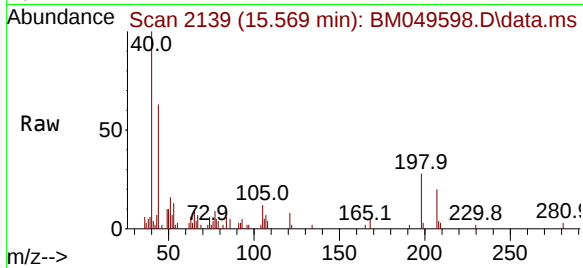




#65
4,6-Dinitro-2-methylphenol
Concen: 5.935 ng
RT: 15.569 min Scan# 2141
Delta R.T. -0.011 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

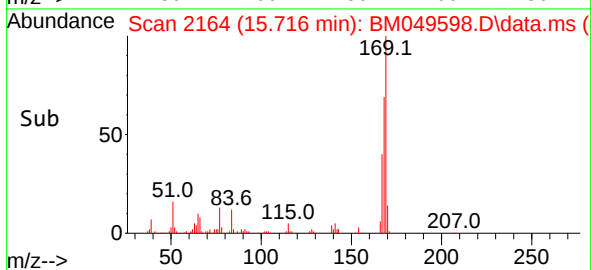
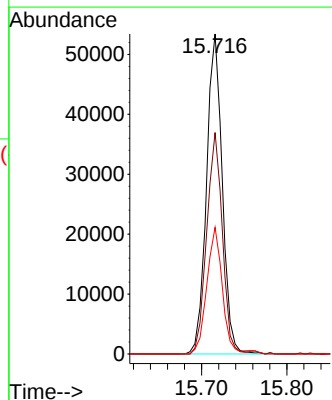
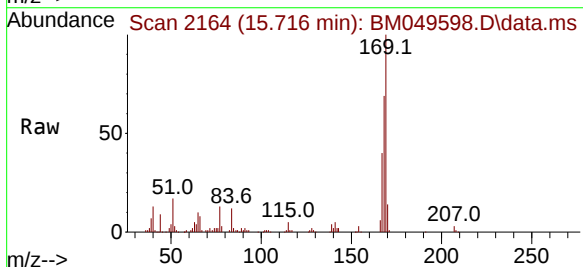
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

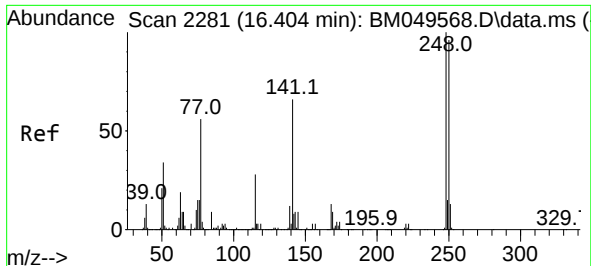
Tgt Ion	Ratio	Lower	Upper
198	100		
51	57.8	26.9	66.9
105	42.4	22.8	62.8



#66
n-Nitrosodiphenylamine
Concen: 3.457 ng
RT: 15.716 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion	Ratio	Lower	Upper
169	100		
168	69.2	54.2	81.4
167	39.5	29.5	44.3

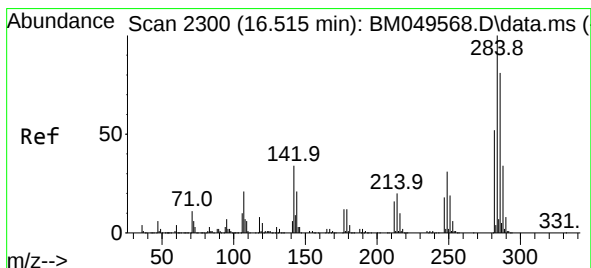
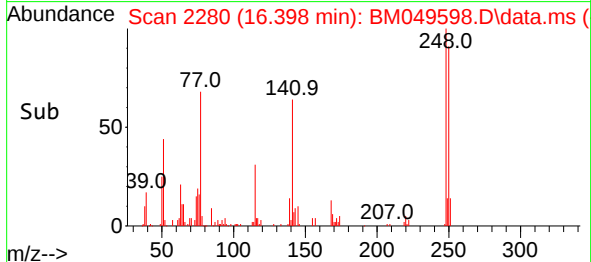
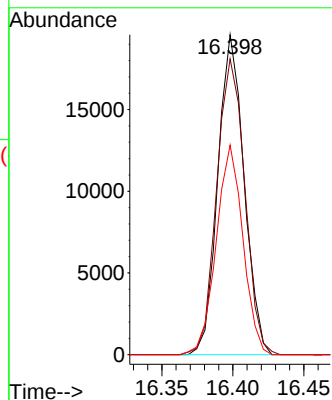
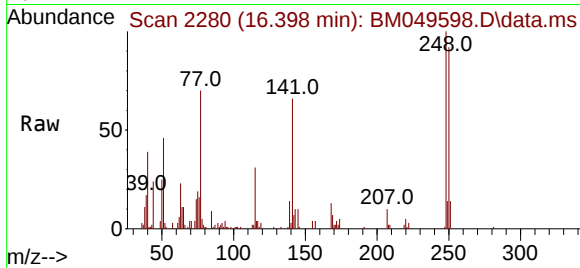




#67
4-Bromophenyl-phenylether
Concen: 3.438 ng
RT: 16.398 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

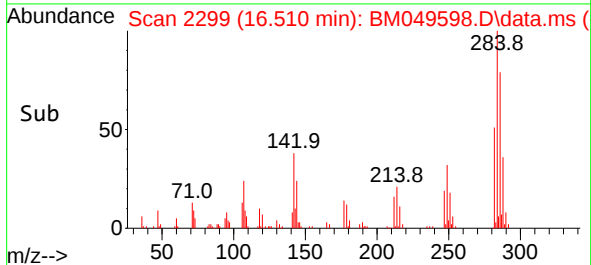
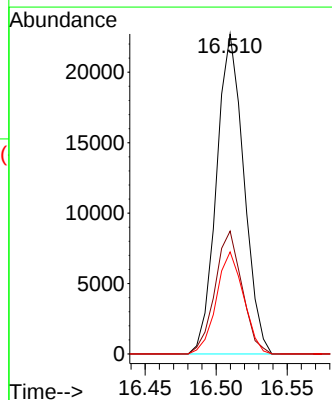
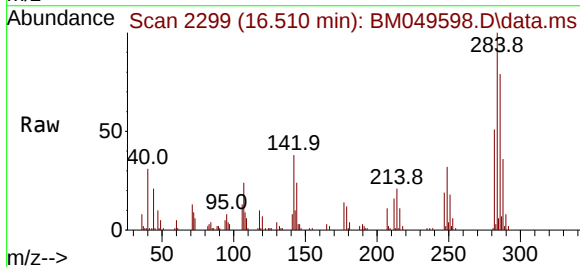
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

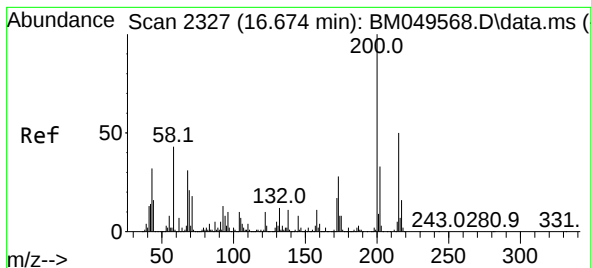
Tgt Ion:248 Resp: 25108
Ion Ratio Lower Upper
248 100
250 92.4 77.0 115.4
141 65.5 53.0 79.4



#68
Hexachlorobenzene
Concen: 3.634 ng
RT: 16.510 min Scan# 2299
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:284 Resp: 30460
Ion Ratio Lower Upper
284 100
142 38.4 27.1 40.7
249 35.6 24.6 36.8





#69

Atrazine

Concen: 2.924 ng

RT: 16.663 min Scan# 21

Delta R.T. -0.011 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

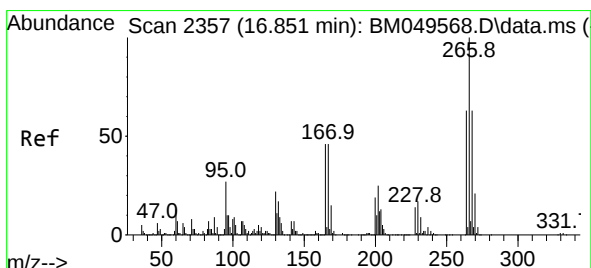
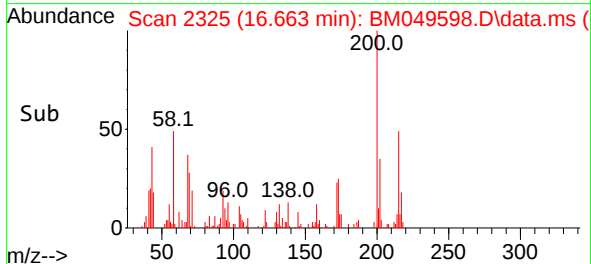
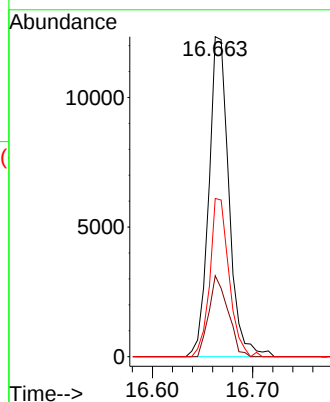
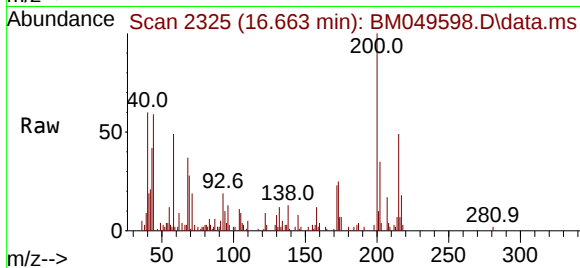
Tgt Ion:200 Resp: 17229

Ion Ratio Lower Upper

200 100

173 25.3 7.6 47.6

215 49.5 30.2 70.2



#70

Pentachlorophenol

Concen: 8.768 ng m

RT: 16.851 min Scan# 2357

Delta R.T. 0.000 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

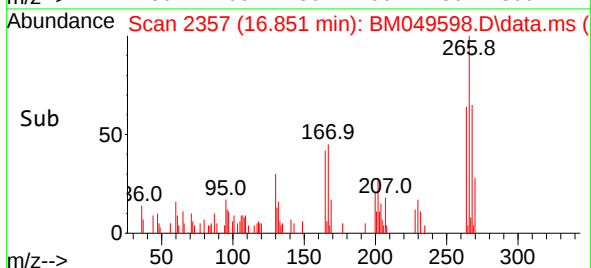
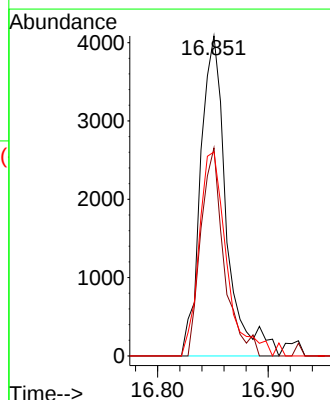
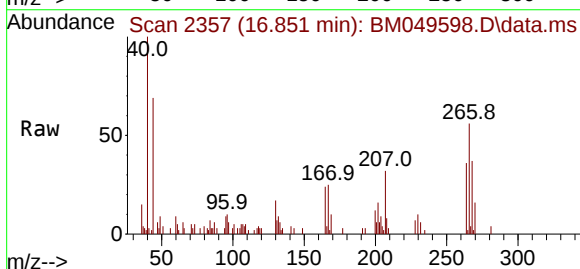
Tgt Ion:266 Resp: 6607

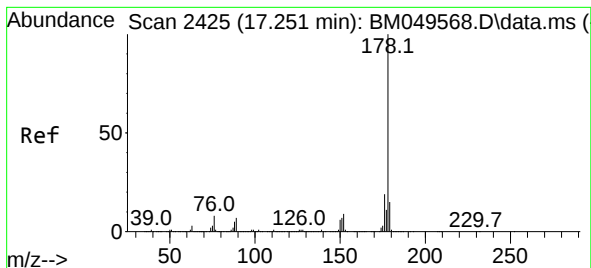
Ion Ratio Lower Upper

266 100

268 65.0 50.8 76.2

264 63.7 50.0 75.0





#71

Phenanthrene

Concen: 3.785 ng

RT: 17.245 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

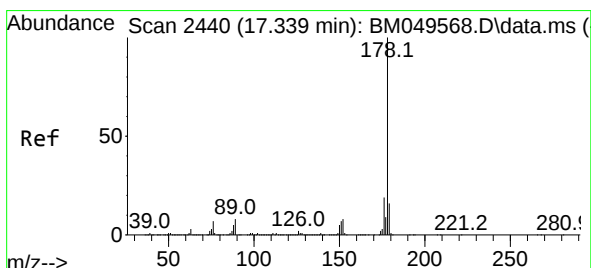
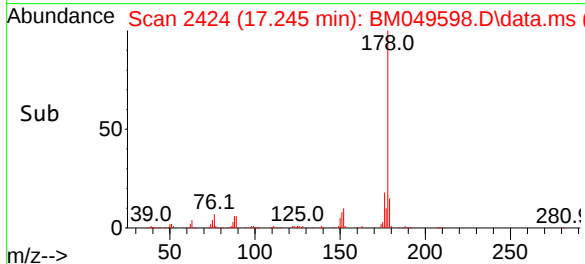
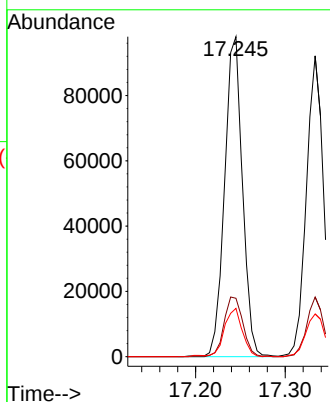
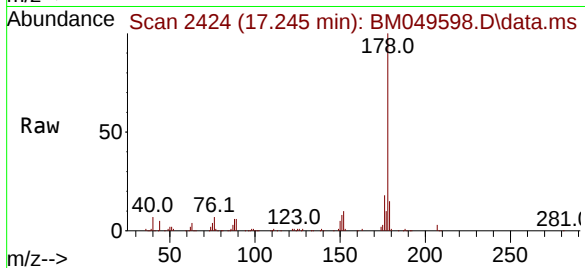
Tgt Ion:178 Resp: 135529

Ion Ratio Lower Upper

178 100

176 18.2 15.5 23.3

179 15.1 12.2 18.2



#72

Anthracene

Concen: 3.487 ng

RT: 17.333 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

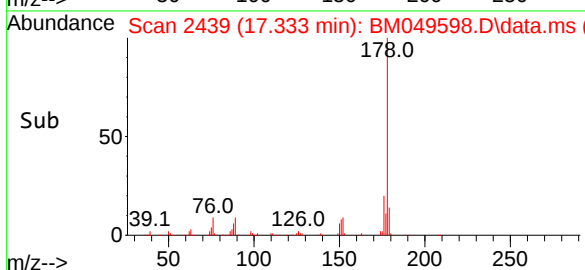
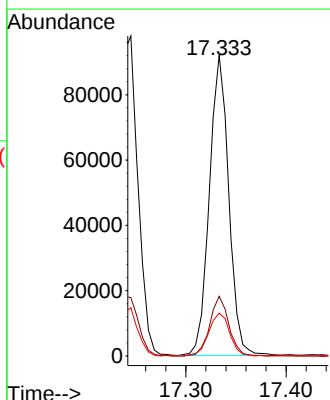
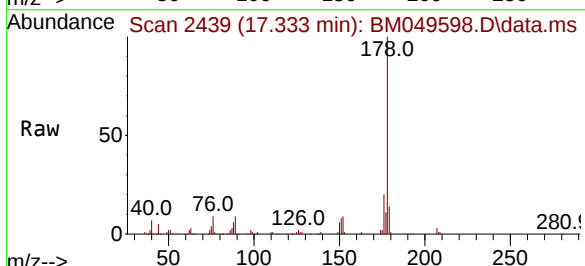
Tgt Ion:178 Resp: 123631

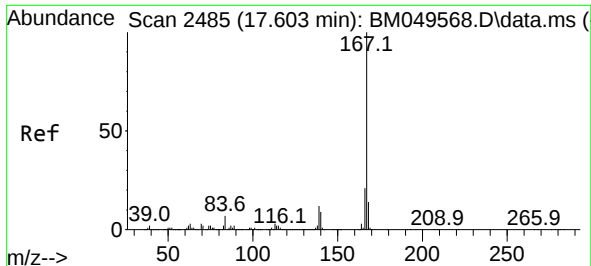
Ion Ratio Lower Upper

178 100

176 19.8 15.2 22.8

179 14.2 12.4 18.6

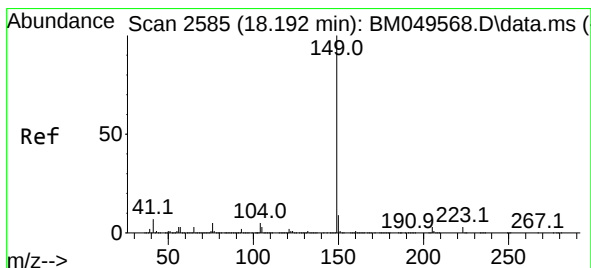
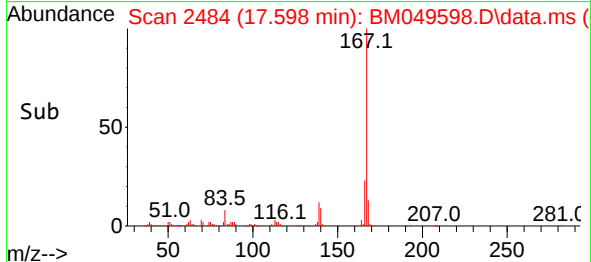
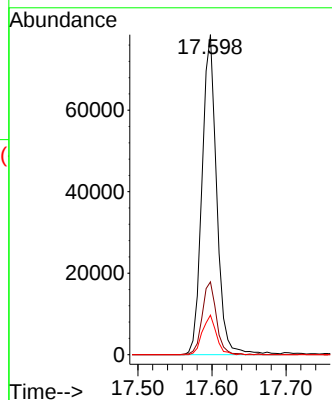
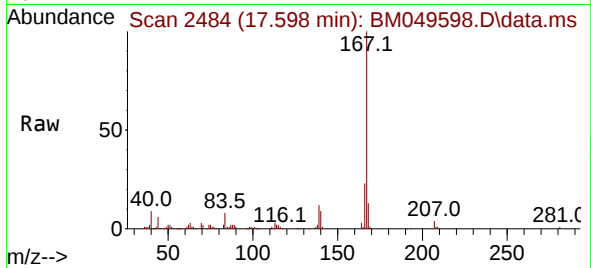




#73
 Carbazole
 Concen: 3.476 ng
 RT: 17.598 min Scan# 2484
 Delta R.T. -0.006 min
 Lab File: BM049598.D
 Acq: 07 Feb 2025 12:16

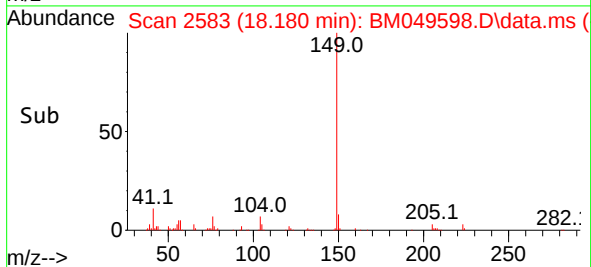
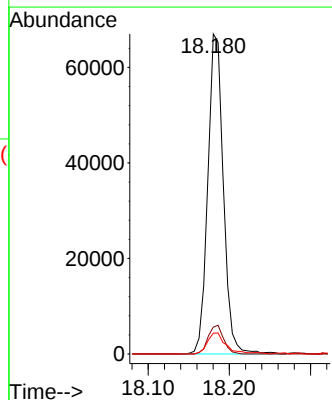
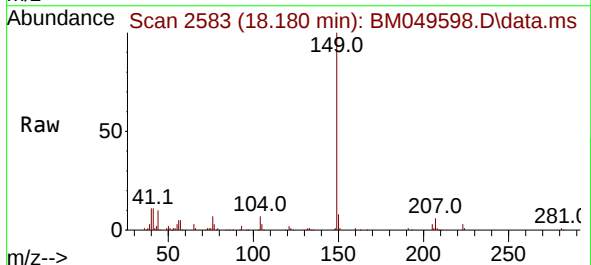
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

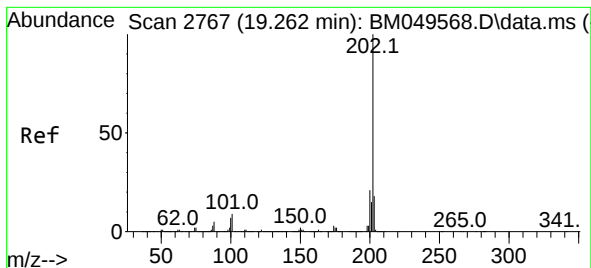
Tgt Ion:167 Resp: 108172
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.2 25.8
 139 12.3 9.6 14.4



#74
 Di-n-butylphthalate
 Concen: 2.257 ng
 RT: 18.180 min Scan# 2583
 Delta R.T. -0.011 min
 Lab File: BM049598.D
 Acq: 07 Feb 2025 12:16

Tgt Ion:149 Resp: 89147
 Ion Ratio Lower Upper
 149 100
 150 8.4 7.4 11.0
 104 6.5 4.1 6.1#





#75

Fluoranthene

Concen: 3.069 ng

RT: 19.257 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

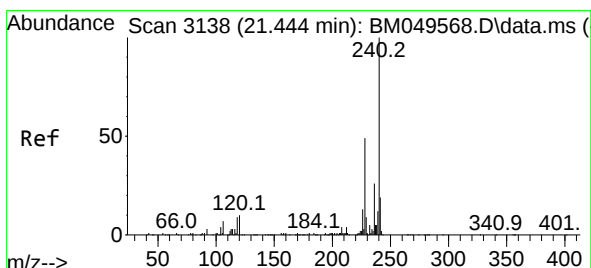
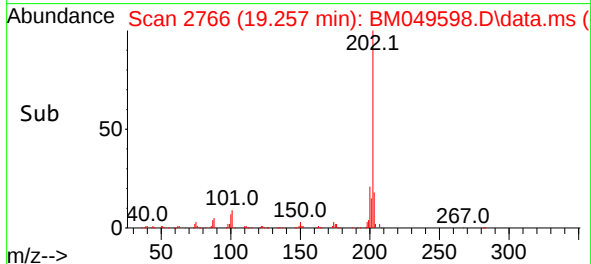
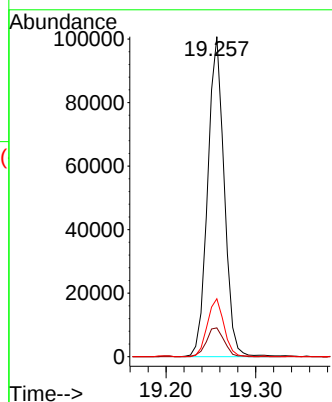
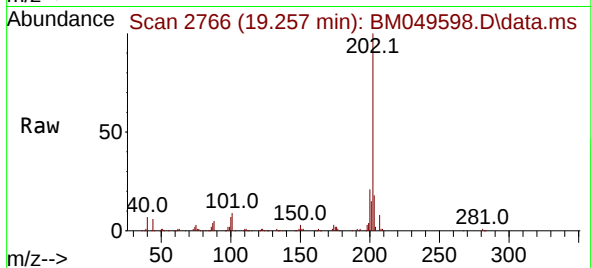
Tgt Ion:202 Resp: 128679

Ion Ratio Lower Upper

202 100

101 9.0 0.0 29.1

203 18.1 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.439 min Scan# 3137

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

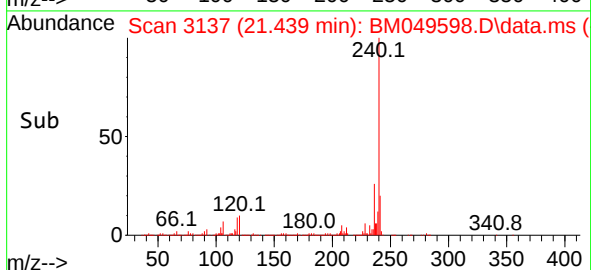
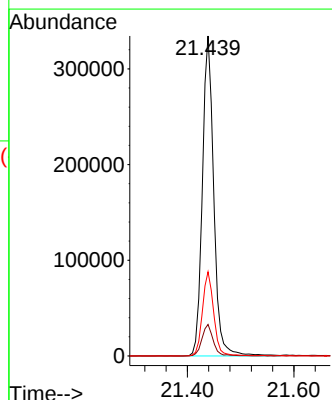
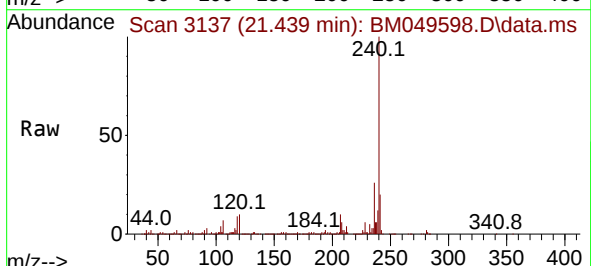
Tgt Ion:240 Resp: 496182

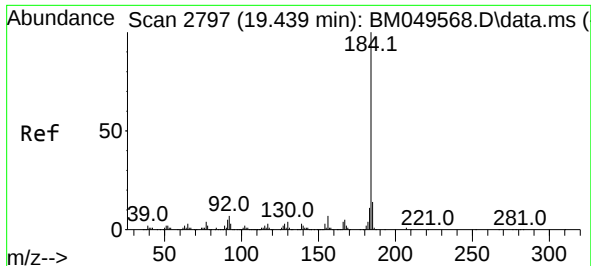
Ion Ratio Lower Upper

240 100

120 9.8 7.8 11.8

236 26.3 20.6 31.0

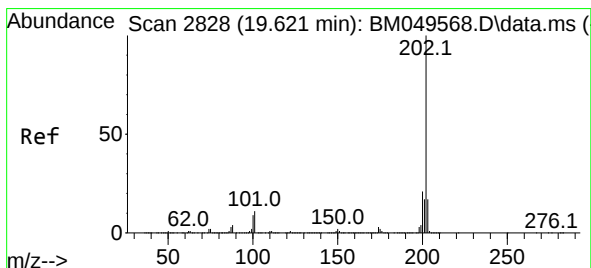
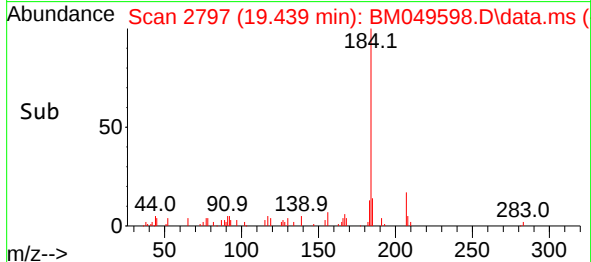
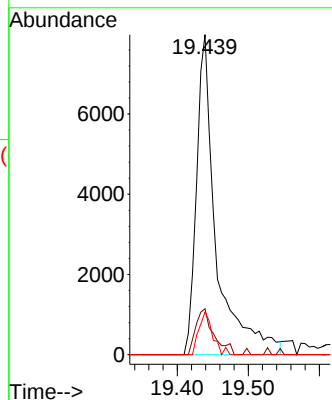
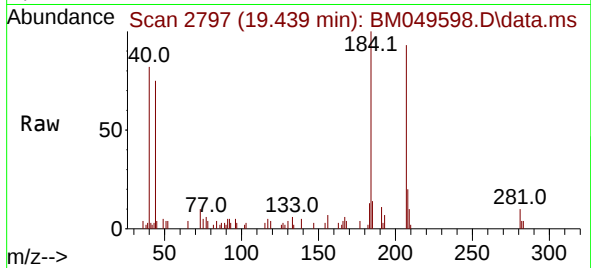




#77
Benzidine
Concen: 3.516 ng
RT: 19.439 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

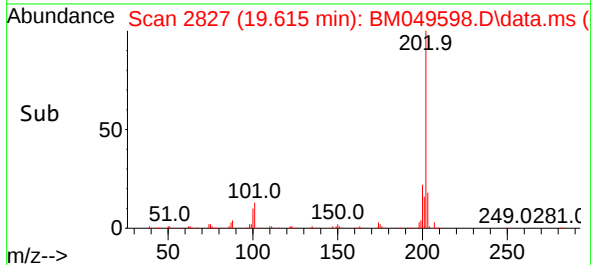
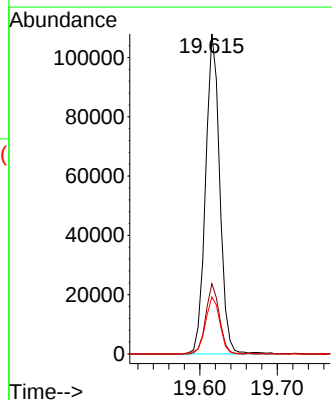
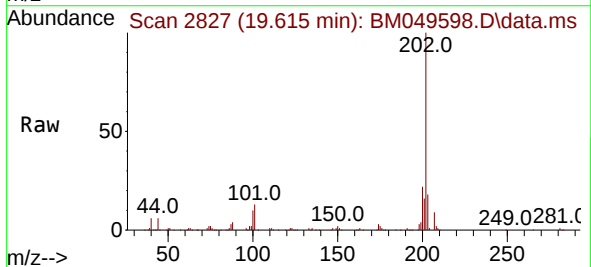
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

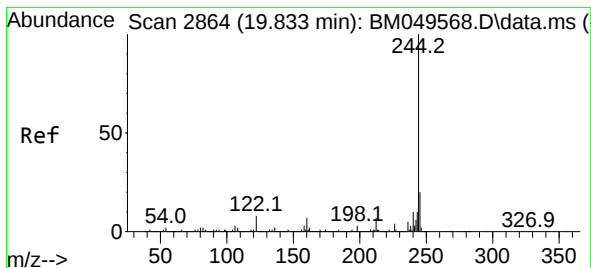
Tgt Ion:184	Resp:	15450
Ion Ratio	Lower	Upper
184	100	
185	14.3	11.6 17.4
183	13.3	8.9 13.3



#78
Pyrene
Concen: 3.692 ng
RT: 19.615 min Scan# 2827
Delta R.T. -0.006 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:202	Resp:	137169
Ion Ratio	Lower	Upper
202	100	
200	21.9	16.8 25.2
203	17.8	13.8 20.8





#79

Terphenyl-d14

Concen: 109.953 ng

RT: 19.827 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

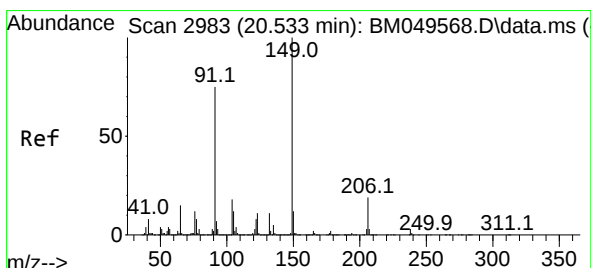
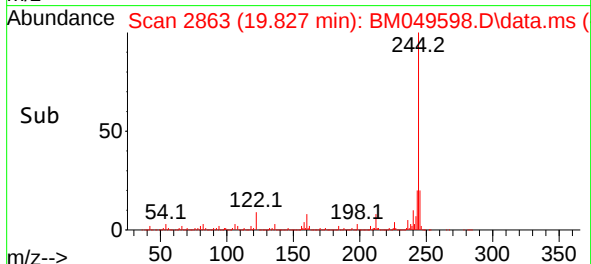
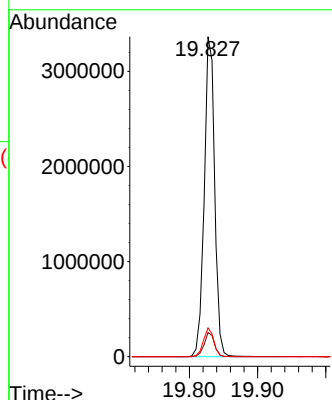
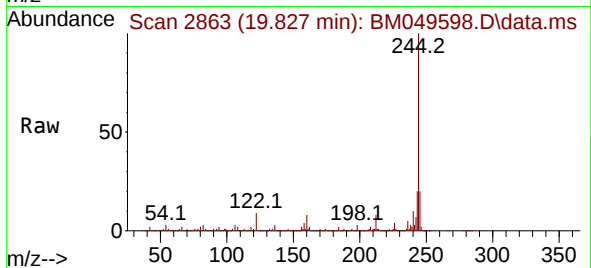
Tgt Ion:244 Resp: 3572703

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

122 9.0 6.2 9.2



#80

Butylbenzylphthalate

Concen: 1.311 ng

RT: 20.527 min Scan# 2982

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

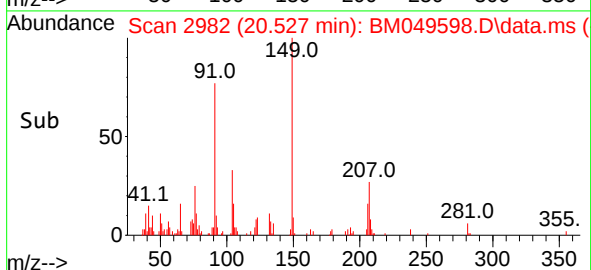
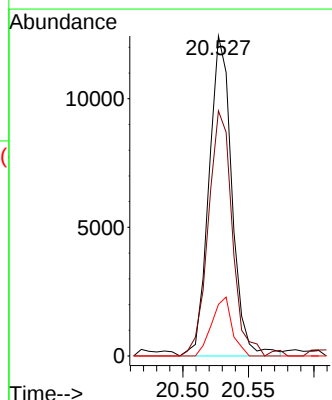
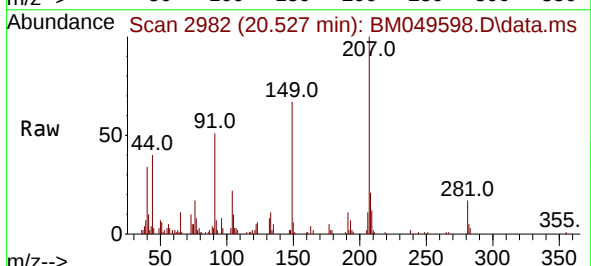
Tgt Ion:149 Resp: 15153

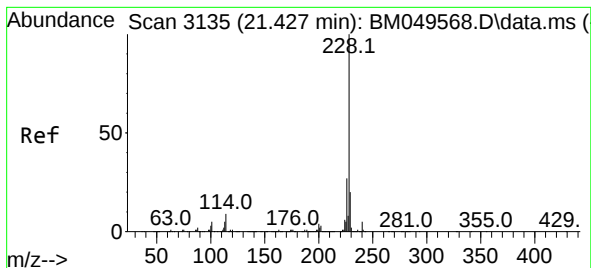
Ion Ratio Lower Upper

149 100

91 76.6 60.2 90.2

206 16.1 15.4 23.0





#81

Benzo(a)anthracene

Concen: 3.602 ng

RT: 21.421 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

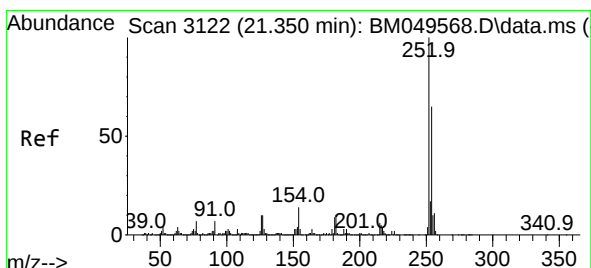
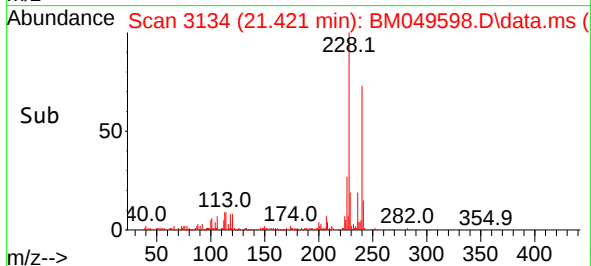
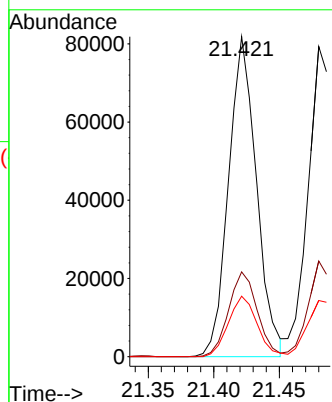
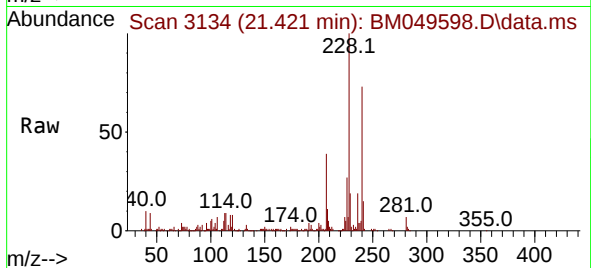
Tgt Ion:228 Resp: 121123

Ion Ratio Lower Upper

228 100

226 26.5 22.0 33.0

229 18.9 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 1.928 ng

RT: 21.345 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

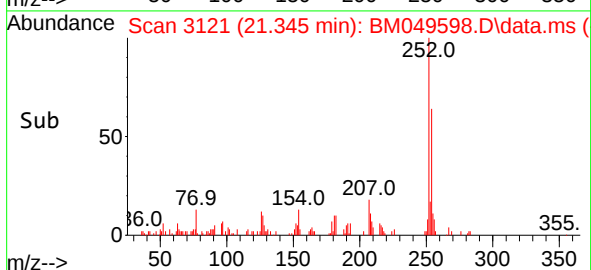
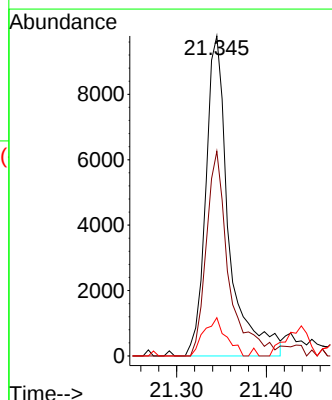
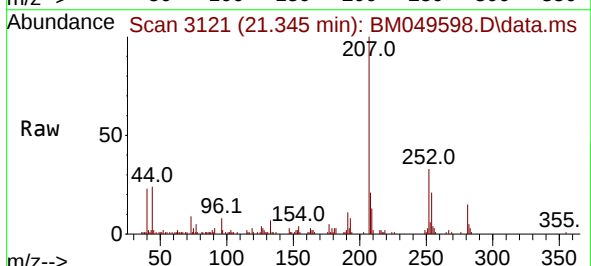
Tgt Ion:252 Resp: 17449

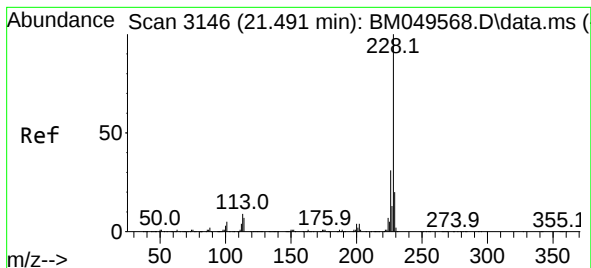
Ion Ratio Lower Upper

252 100

254 64.0 52.1 78.1

126 12.0 7.8 11.6#





#83

Chrysene

Concen: 3.818 ng

RT: 21.480 min Scan# 3144

Delta R.T. -0.011 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

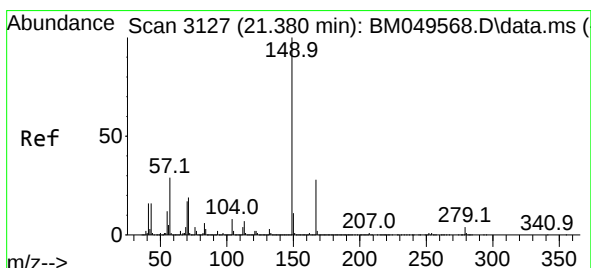
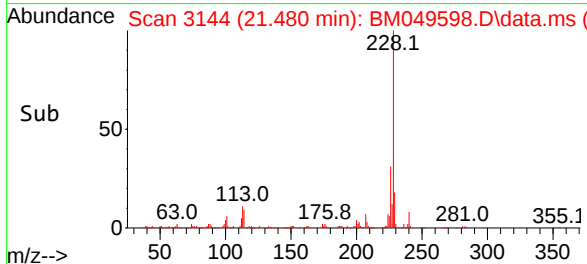
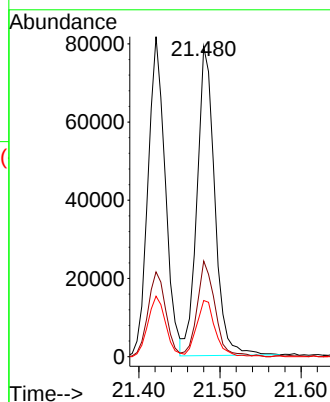
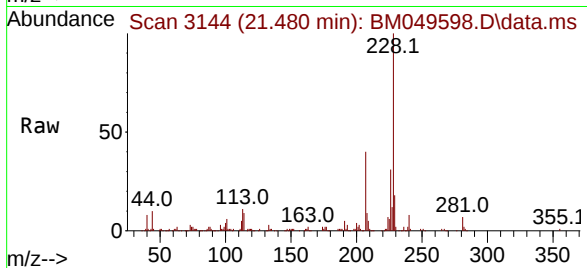
Tgt Ion:228 Resp: 120293

Ion Ratio Lower Upper

228 100

226 30.9 24.5 36.7

229 18.1 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 1.332 ng

RT: 21.368 min Scan# 3125

Delta R.T. -0.011 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

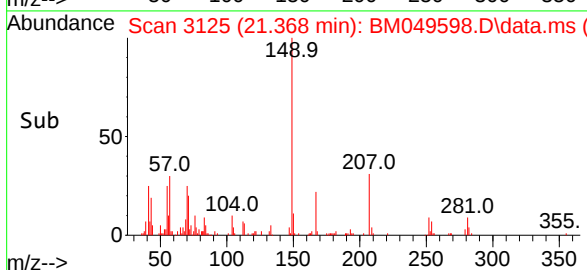
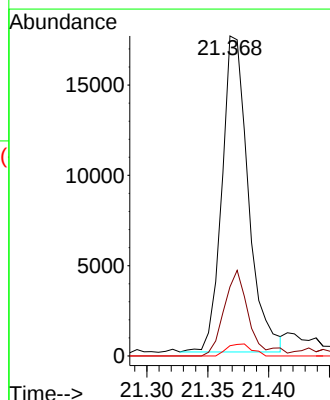
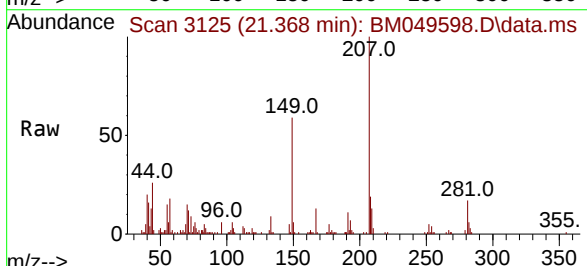
Tgt Ion:149 Resp: 26403

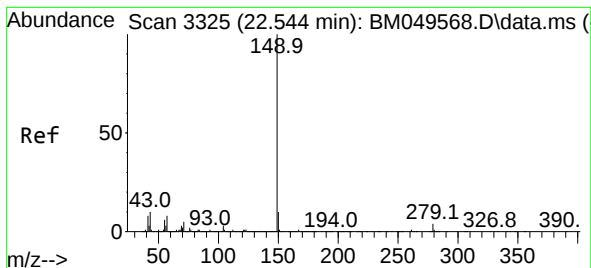
Ion Ratio Lower Upper

149 100

167 21.6 22.1 33.1#

279 3.2 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 1.110 ng

RT: 22.527 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM049598.D

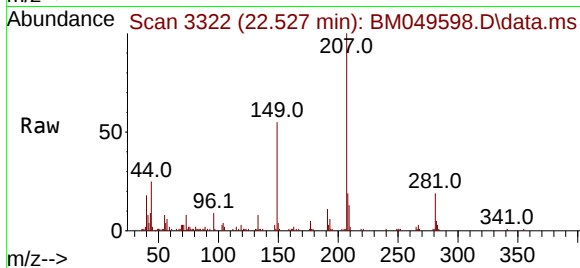
Acq: 07 Feb 2025 12:16

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025



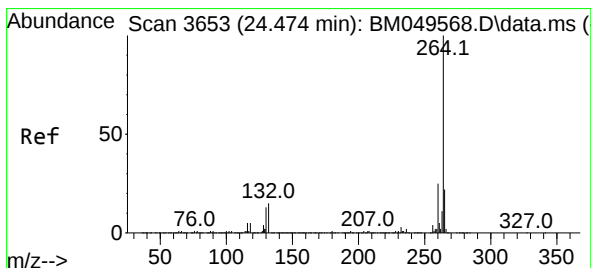
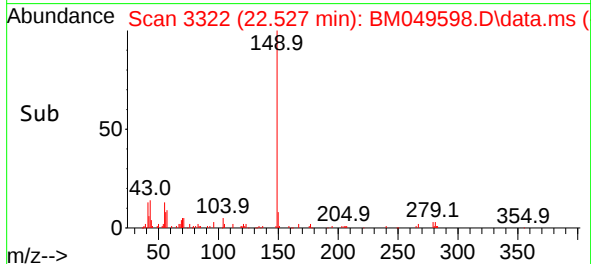
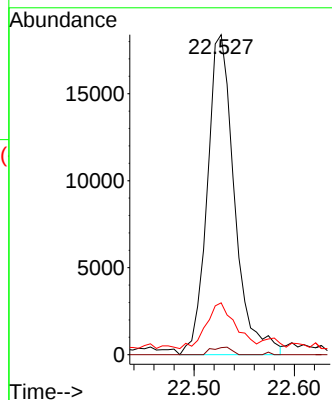
Tgt Ion:149 Resp: 34712

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 15.3 8.5 12.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.468 min Scan# 3652

Delta R.T. -0.006 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

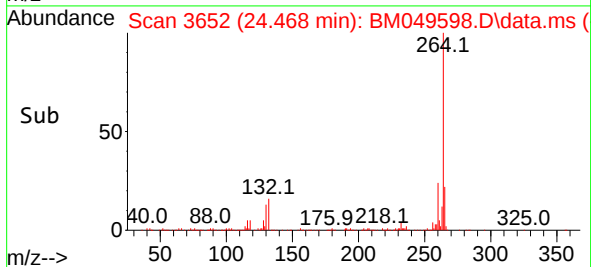
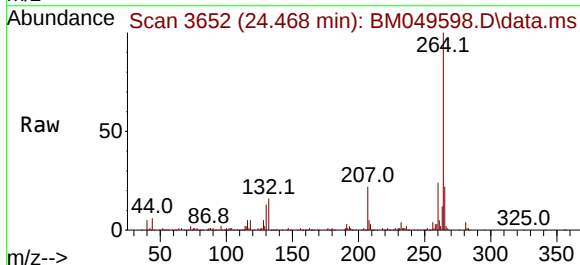
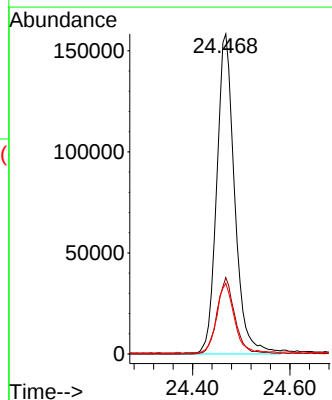
Tgt Ion:264 Resp: 404509

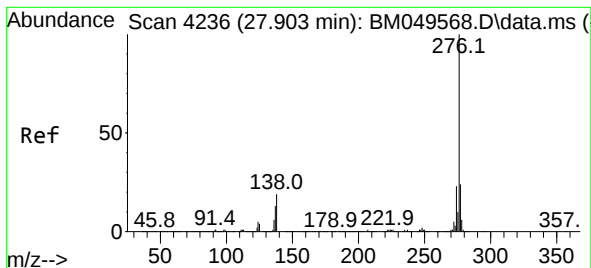
Ion Ratio Lower Upper

264 100

260 23.9 19.8 29.6

265 22.1 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.528 ng m

RT: 27.885 min Scan# 41

Delta R.T. -0.017 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

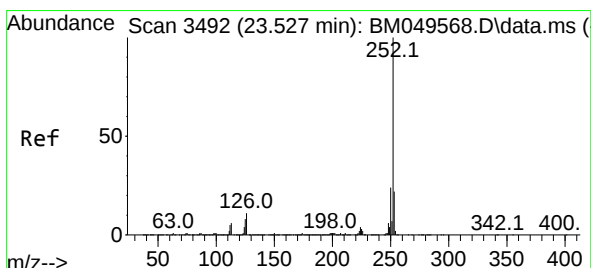
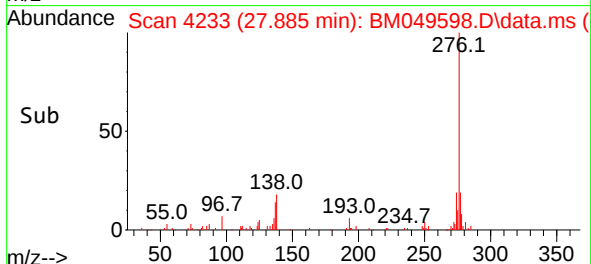
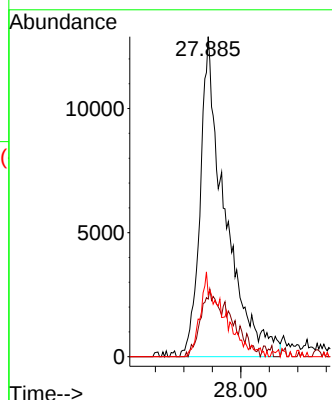
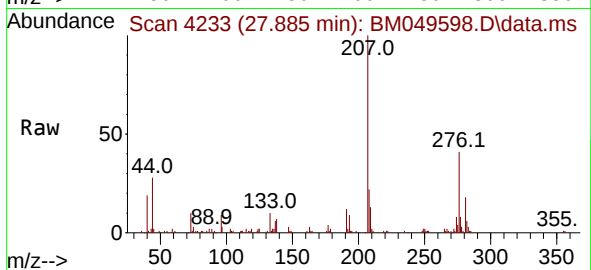
Tgt Ion:276 Resp: 77943

Ion Ratio Lower Upper

276 100

138 15.0 13.1 19.7

277 23.6 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 3.178 ng

RT: 23.509 min Scan# 3489

Delta R.T. -0.017 min

Lab File: BM049598.D

Acq: 07 Feb 2025 12:16

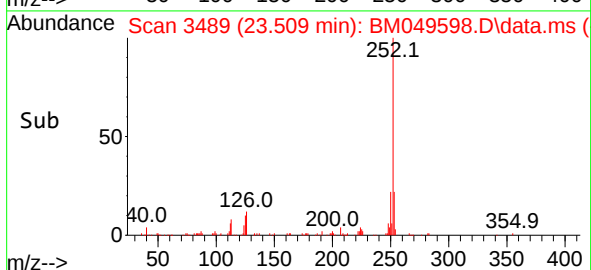
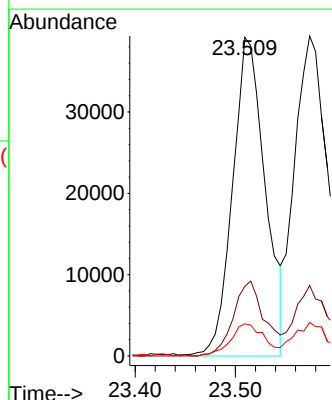
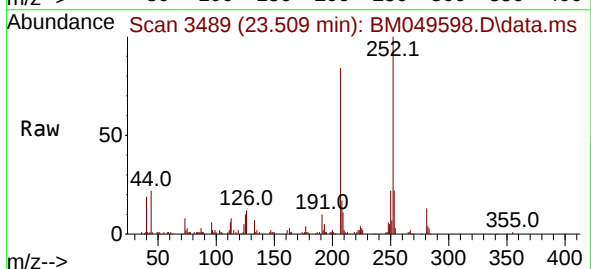
Tgt Ion:252 Resp: 88437

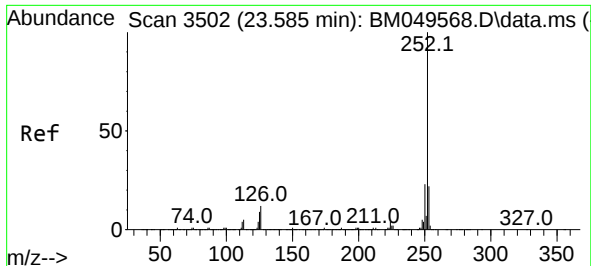
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 10.1 6.6 10.0#

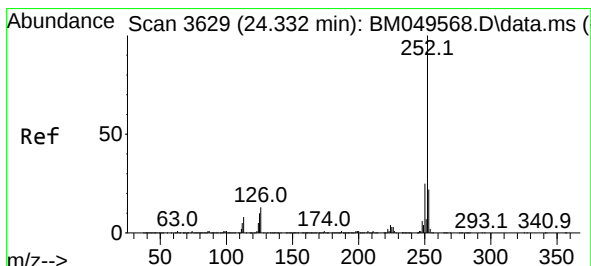
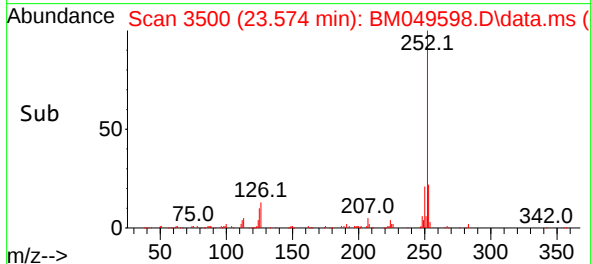
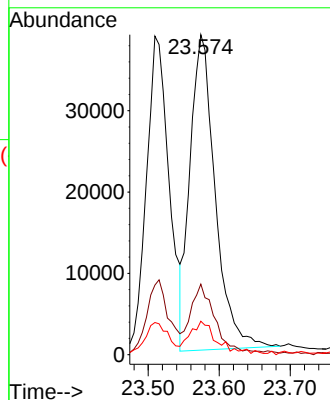
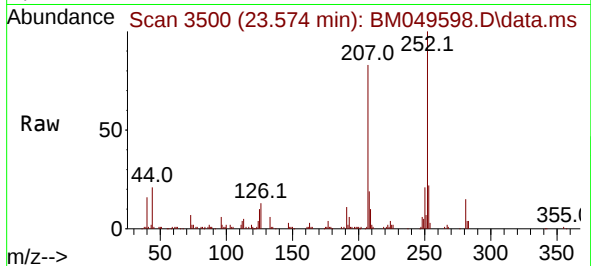




#89
Benzo(k)fluoranthene
Concen: 3.535 ng
RT: 23.574 min Scan# 31
Delta R.T. -0.011 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

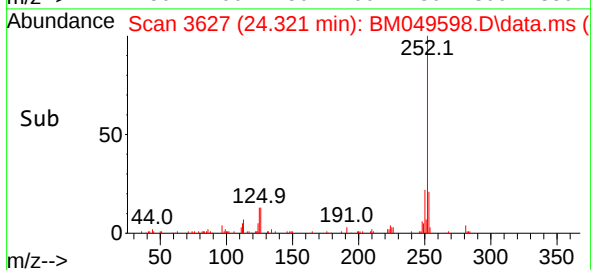
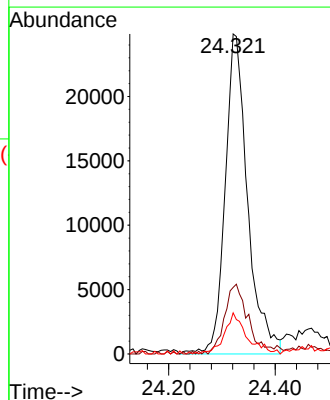
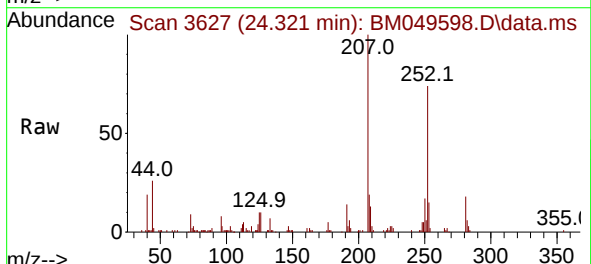
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

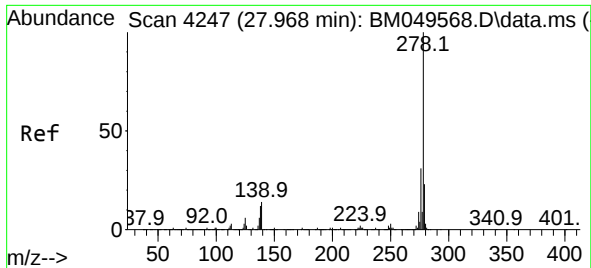
Tgt Ion:252 Resp: 95544
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.4 7.0 10.6



#90
Benzo(a)pyrene
Concen: 3.301 ng
RT: 24.321 min Scan# 3627
Delta R.T. -0.011 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:252 Resp: 72804
Ion Ratio Lower Upper
252 100
253 20.8 17.4 26.0
125 12.9 8.2 12.2#

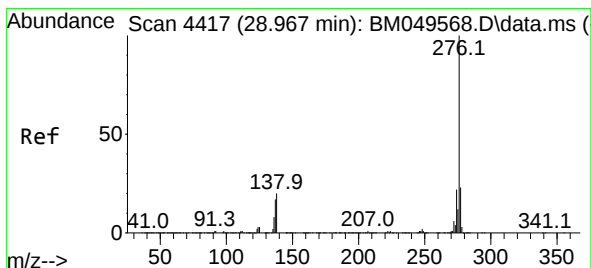
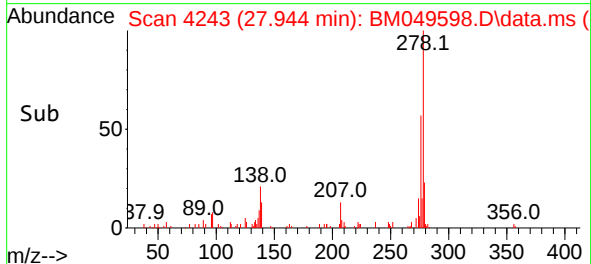
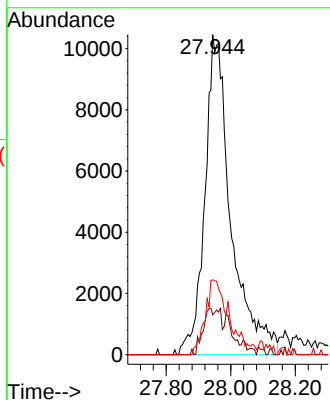
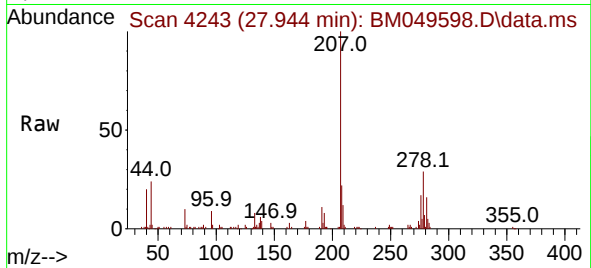




#91
Dibenzo(a,h)anthracene
Concen: 3.357 ng m
RT: 27.944 min Scan# 41
Delta R.T. -0.023 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:278 Resp: 58612
Ion Ratio Lower Upper
278 100
139 12.5 11.5 17.3
279 23.4 18.2 27.2



#92
Benzo(g,h,i)perylene
Concen: 3.563 ng m
RT: 28.950 min Scan# 4414
Delta R.T. -0.017 min
Lab File: BM049598.D
Acq: 07 Feb 2025 12:16

Tgt Ion:276 Resp: 69486
Ion Ratio Lower Upper
276 100
277 18.8 18.7 28.1
138 19.1 16.0 24.0

