

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020725\
 Data File : BM049599.D
 Acq On : 07 Feb 2025 12:55
 Operator : RC/JU
 Sample : Q1168-03
 Misc : MDL-MDL-SOIL 8PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Feb 07 13:36:12 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	139963	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	519764	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	322237	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	597394	20.000	ng	0.00
76) Chrysene-d12	21.439	240	494073	20.000	ng	0.00
86) Perylene-d12	24.462	264	409634	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	747696	85.906	ng	0.00
7) Phenol-d6	6.975	99	997167	87.449	ng	0.00
23) Nitrobenzene-d5	8.975	82	1022670	101.206	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	263107	68.908	ng	0.00
45) 2-Fluorobiphenyl	13.086	172	2423761	97.440	ng	0.00
79) Terphenyl-d14	19.827	244	3718044	114.914	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.299	88	39559	10.810	ng	99
3) Pyridine	3.698	79	92939	9.139	ng	# 93
4) n-Nitrosodimethylamine	3.604	42	48139	10.118	ng	# 94
6) Aniline	7.145	93	116846	10.812	ng	96
8) 2-Chlorophenol	7.386	128	80831	9.301	ng	97
9) Benzaldehyde	6.957	77	93662	15.513	ng	98
10) Phenol	7.004	94	109427	9.743	ng	99
11) bis(2-Chloroethyl)ether	7.245	93	90220	9.929	ng	97
12) 1,3-Dichlorobenzene	7.710	146	101889	10.100	ng	99
13) 1,4-Dichlorobenzene	7.857	146	105571	10.346	ng	98
14) 1,2-Dichlorobenzene	8.175	146	100575	10.208	ng	99
15) Benzyl Alcohol	8.051	79	64597	8.143	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.345	45	135410	11.070	ng	98
17) 2-Methylphenol	8.257	107	61834	9.004	ng	98
18) Hexachloroethane	8.910	117	35959	9.648	ng	95
19) n-Nitroso-di-n-propyla...	8.628	70	68155	9.127	ng	95
20) 3+4-Methylphenols	8.581	107	80134	8.839	ng	98
22) Acetophenone	8.639	105	137487	9.821	ng	# 96
24) Nitrobenzene	9.016	77	105124	10.708	ng	99
25) Isophorone	9.545	82	169891	9.323	ng	98
26) 2-Nitrophenol	9.728	139	16039	7.532	ng	89
27) 2,4-Dimethylphenol	9.792	122	55820	9.687	ng	97
28) bis(2-Chloroethoxy)met...	10.028	93	109939	9.367	ng	98
29) 2,4-Dichlorophenol	10.263	162	59480	7.496	ng	96
30) 1,2,4-Trichlorobenzene	10.480	180	90762	9.336	ng	97
31) Naphthalene	10.669	128	254293	9.277	ng	99
32) Benzoic acid	9.833	122	10202	8.502	ng	86
33) 4-Chloroaniline	10.769	127	96161	9.372	ng	99
34) Hexachlorobutadiene	10.969	225	55563	9.544	ng	98
35) Caprolactam	11.510	113	14946	6.174	ng	# 82
36) 4-Chloro-3-methylphenol	11.892	107	55687	7.037	ng	99
37) 2-Methylnaphthalene	12.280	142	169295	8.772	ng	98
38) 1-Methylnaphthalene	12.504	142	158273	8.428	ng	98
40) 1,2,4,5-Tetrachloroben...	12.651	216	99273	9.370	ng	99
41) Hexachlorocyclopentadiene	12.639	237	24034	8.886	ng	98
43) 2,4,6-Trichlorophenol	12.886	196	35865	6.204	ng	98

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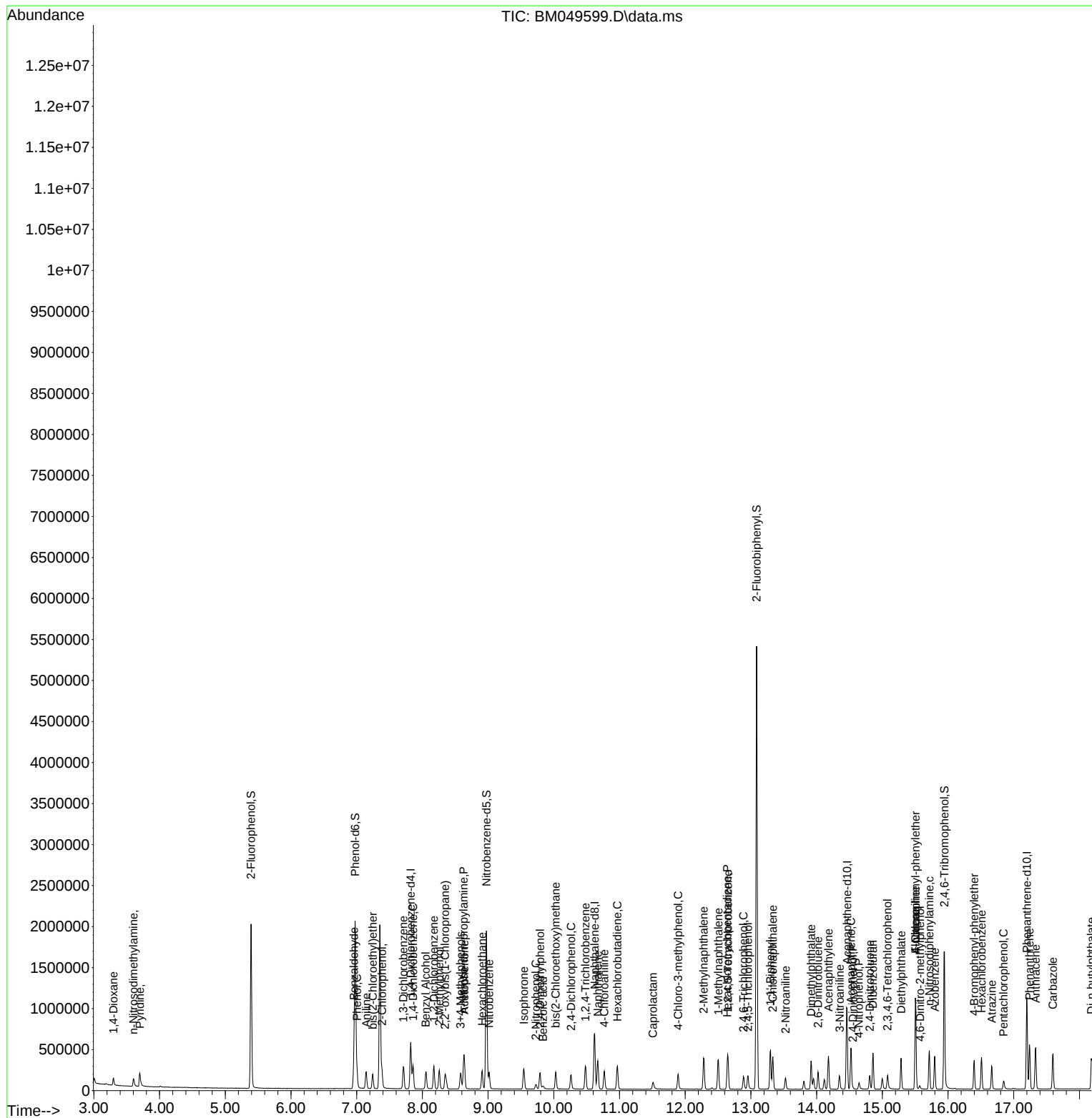
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.957	196	43673	6.874	ng	96
46) 1,1'-Biphenyl	13.298	154	232430	9.455	ng	98
47) 2-Chloronaphthalene	13.333	162	180644	9.498	ng	99
48) 2-Nitroaniline	13.527	65	31690	9.903	ng	97
49) Acenaphthylene	14.180	152	262975	9.377	ng	99
50) Dimethylphthalate	13.915	163	198878	8.594	ng	100
51) 2,6-Dinitrotoluene	14.021	165	33079	8.261	ng	# 87
52) Acenaphthene	14.521	154	163790	8.799	ng	94
53) 3-Nitroaniline	14.351	138	32607	7.998	ng	99
54) 2,4-Dinitrophenol	14.551	184	4046	8.751	ng	# 74
55) Dibenzofuran	14.857	168	264240	8.915	ng	99
56) 4-Nitrophenol	14.645	139	16936	4.928	ng	99
57) 2,4-Dinitrotoluene	14.810	165	35692	9.730	ng	96
58) Fluorene	15.504	166	210025	8.283	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.080	232	34936	6.509	ng	98
60) Diethylphthalate	15.286	149	185682	7.984	ng	99
61) 4-Chlorophenyl-phenyle...	15.504	204	108035	8.005	ng	93
62) 4-Nitroaniline	15.504	138	32183	9.775	ng	97
63) Azobenzene	15.798	77	217636	8.965	ng	97
65) 4,6-Dinitro-2-methylph...	15.574	198	7023	9.491	ng	92
66) n-Nitrosodiphenylamine	15.715	169	163373	8.672	ng	98
67) 4-Bromophenyl-phenylether	16.398	248	57262	8.251	ng	94
68) Hexachlorobenzene	16.509	284	70155	8.807	ng	95
69) Atrazine	16.668	200	45555	8.134	ng	97
70) Pentachlorophenol	16.845	266	18701	10.856	ng	97
71) Phenanthrene	17.239	178	304647	8.951	ng	98
72) Anthracene	17.333	178	295339	8.764	ng	99
73) Carbazole	17.598	167	260782	8.817	ng	97
74) Di-n-butylphthalate	18.180	149	244795	6.523	ng	98
75) Fluoranthene	19.256	202	307871	7.727	ng	99
77) Benzidine	19.439	184	38962	8.905	ng	# 94
78) Pyrene	19.615	202	330198	8.926	ng	99
80) Butylbenzylphthalate	20.527	149	43788	3.804	ng	99
81) Benzo(a)anthracene	21.421	228	292669	8.740	ng	99
82) 3,3'-Dichlorobenzidine	21.344	252	53273	5.912	ng	99
83) Chrysene	21.480	228	286815	9.143	ng	100
84) Bis(2-ethylhexyl)phtha...	21.374	149	89129	4.516	ng	98
85) Di-n-octyl phthalate	22.527	149	105442	3.387	ng	# 88
87) Indeno(1,2,3-cd)pyrene	27.885	276	181089	8.095	ng	# 83
88) Benzo(b)fluoranthene	23.509	252	216647	7.688	ng	99
89) Benzo(k)fluoranthene	23.574	252	237709	8.685	ng	99
90) Benzo(a)pyrene	24.321	252	184026	8.240	ng	97
91) Dibenzo(a,h)anthracene	27.956	278	140953	7.972	ng	99
92) Benzo(g,h,i)perylene	28.938	276	154611	7.828	ng	98

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

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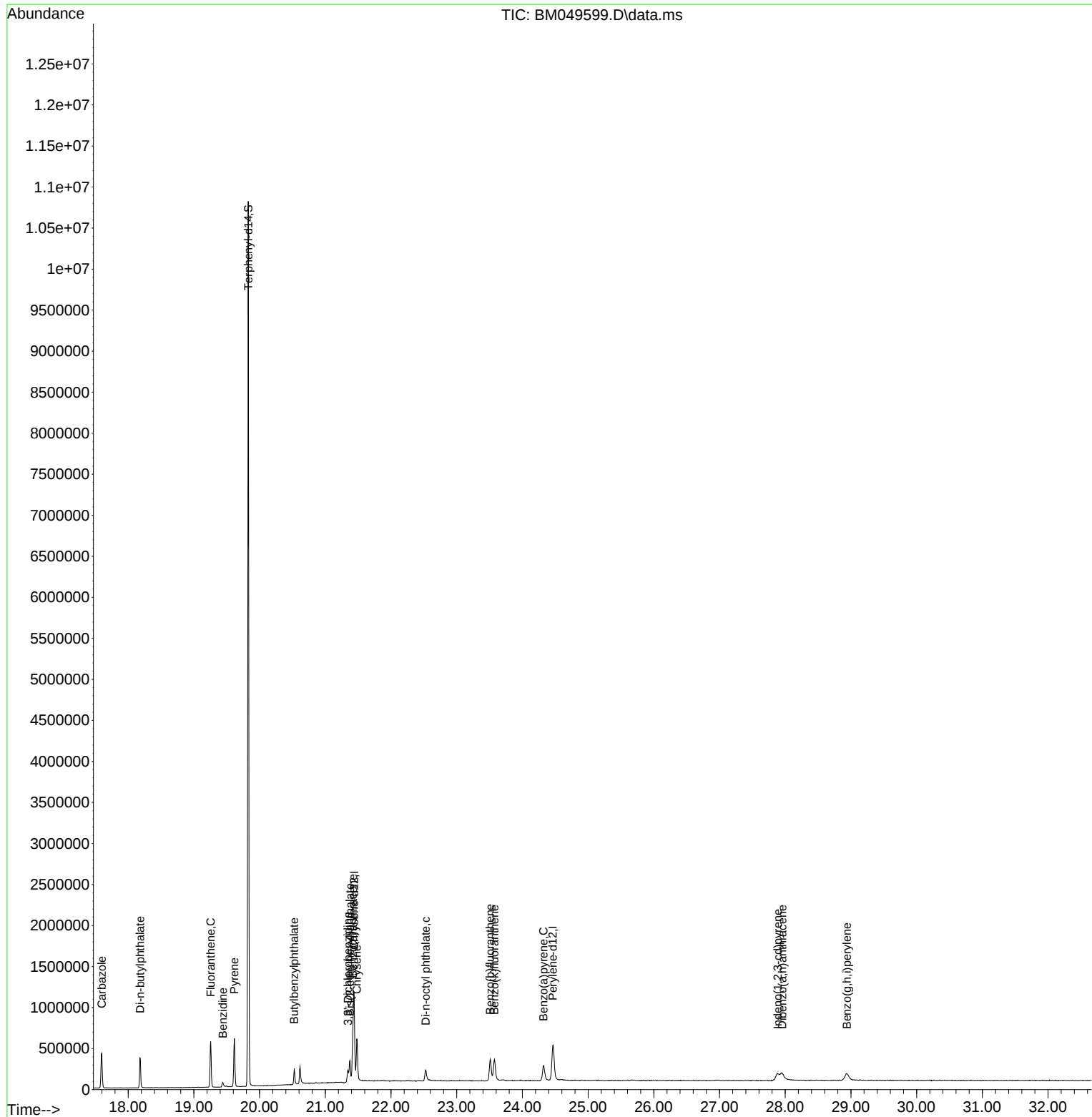
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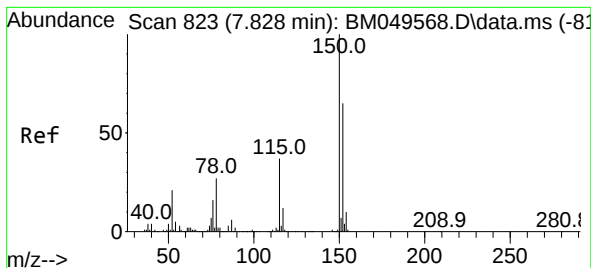


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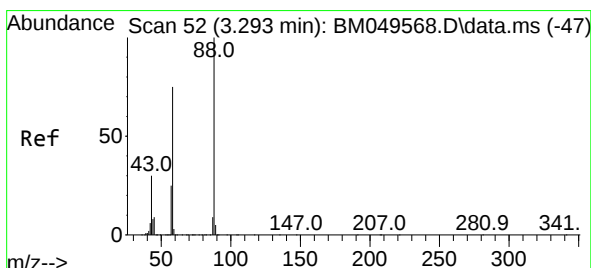
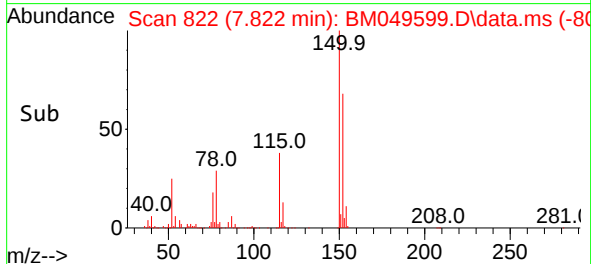
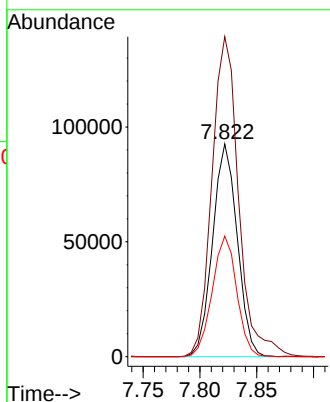
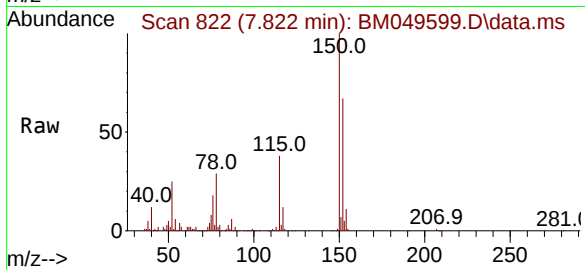




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.822 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BM049599.D
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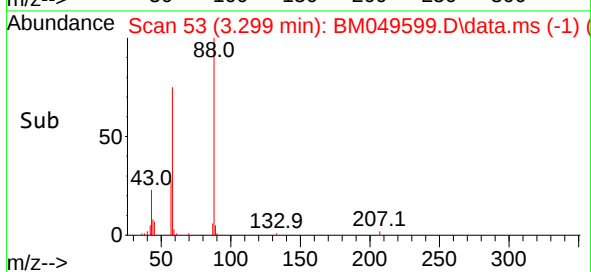
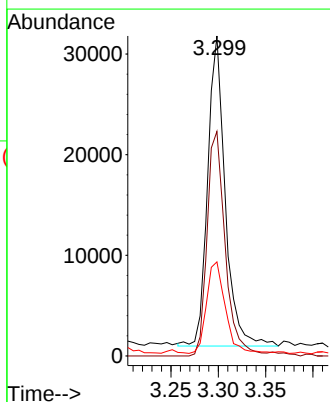
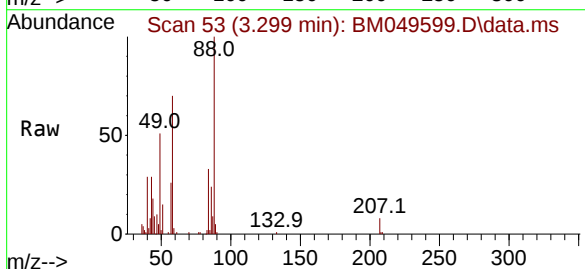
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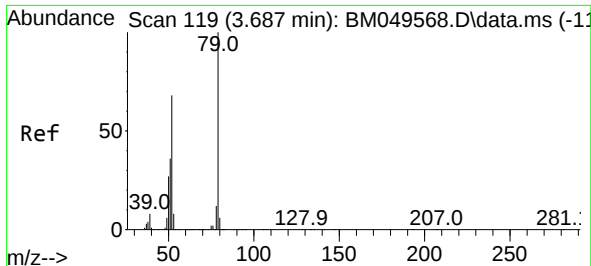
Tgt Ion:152 Resp: 139963
 Ion Ratio Lower Upper
 152 100
 150 150.3 122.6 184.0
 115 56.7 45.4 68.0



#2
 1,4-Dioxane
 Concen: 10.810 ng
 RT: 3.299 min Scan# 53
 Delta R.T. 0.006 min
 Lab File: BM049599.D
 Acq: 07 Feb 2025 12:55

Tgt Ion: 88 Resp: 39559
 Ion Ratio Lower Upper
 88 100
 58 74.9 60.0 90.0
 43 31.8 24.4 36.6

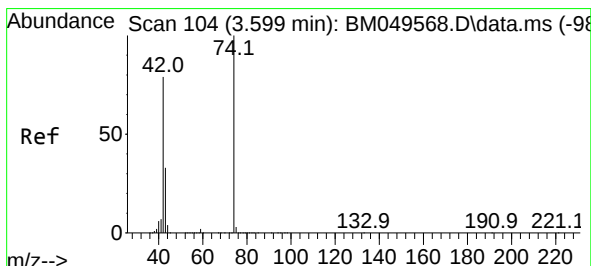
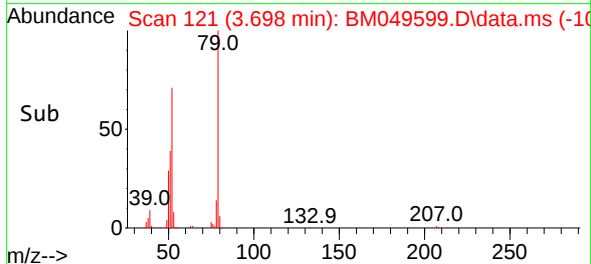
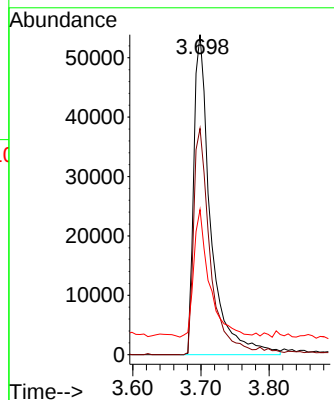
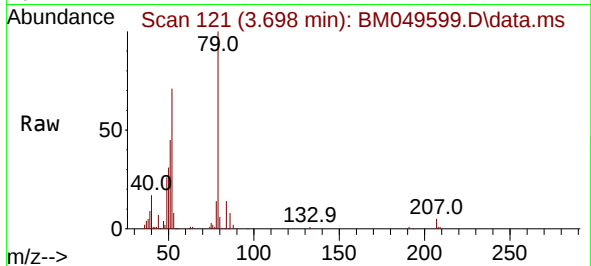




#3
Pyridine
Concen: 9.139 ng
RT: 3.698 min Scan# 119
Delta R.T. 0.012 min
Lab File: BM049599.D
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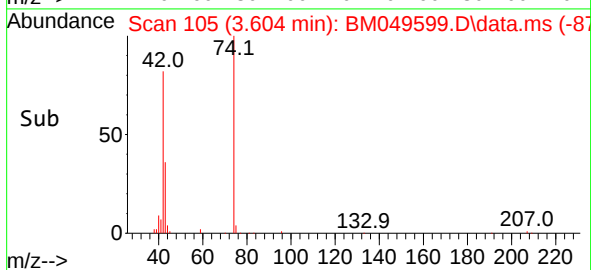
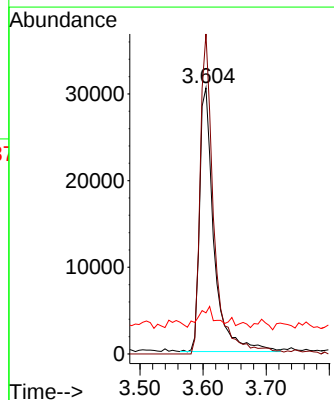
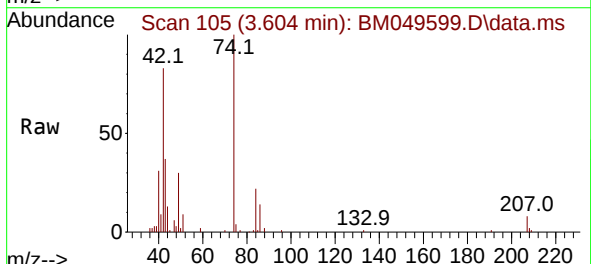
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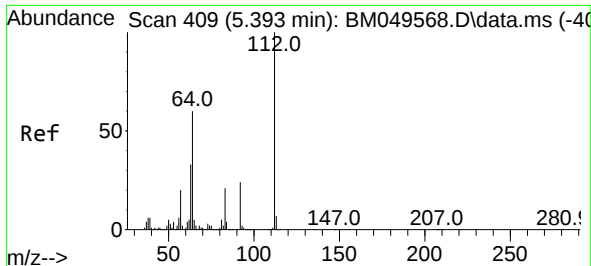
Tgt Ion: 79 Resp: 92939
Ion Ratio Lower Upper
79 100
52 70.7 54.5 81.7
51 45.4 29.0 43.6#



#4
n-Nitrosodimethylamine
Concen: 10.118 ng
RT: 3.604 min Scan# 105
Delta R.T. 0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion: 42 Resp: 48139
Ion Ratio Lower Upper
42 100
74 120.2 101.3 151.9
44 15.4 6.5 9.7#

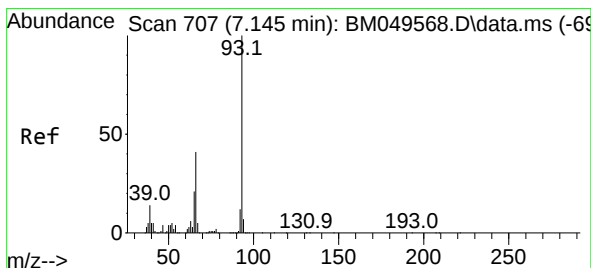
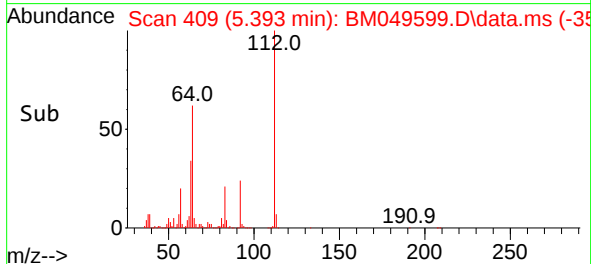
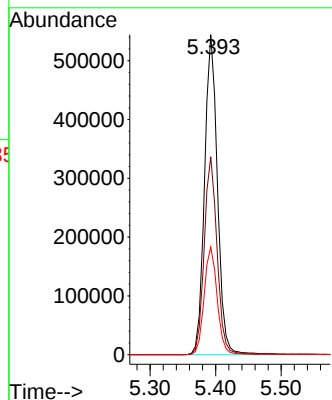
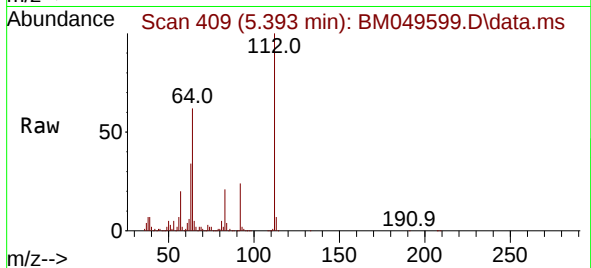




#5
2-Fluorophenol
Concen: 85.906 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BM049599.D
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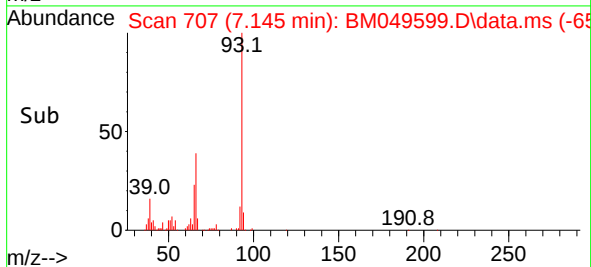
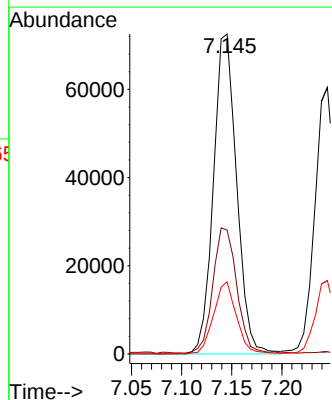
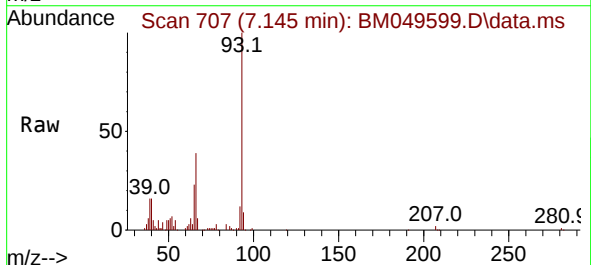
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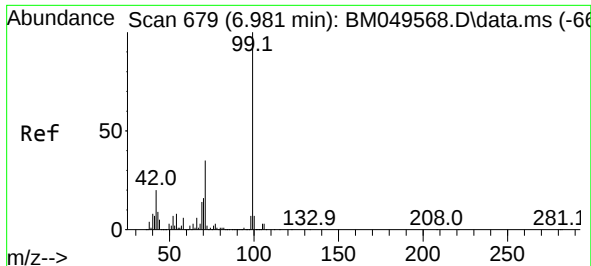
Tgt Ion:	112	Resp:	747696
Ion Ratio	Lower	Upper	
112	100		
64	61.8	47.8	71.8
63	33.7	26.2	39.4



#6
Aniline
Concen: 10.812 ng
RT: 7.145 min Scan# 707
Delta R.T. 0.000 min
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Tgt Ion:	93	Resp:	116846
Ion Ratio	Lower	Upper	
93	100		
66	38.7	33.3	49.9
65	22.5	16.8	25.2

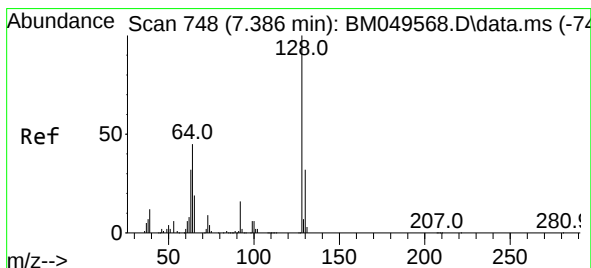
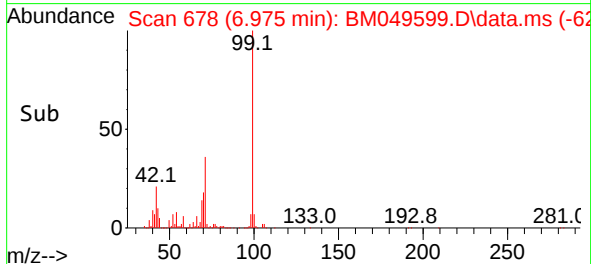
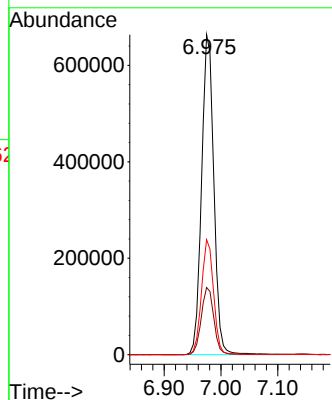
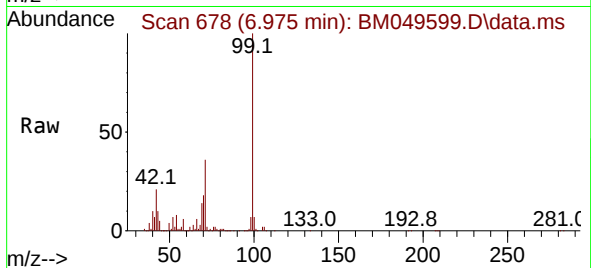




#7
Phenol-d6
Concen: 87.449 ng
RT: 6.975 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM049599.D
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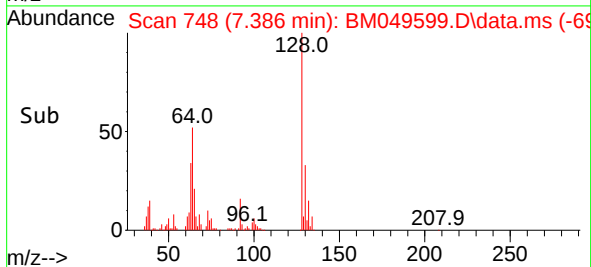
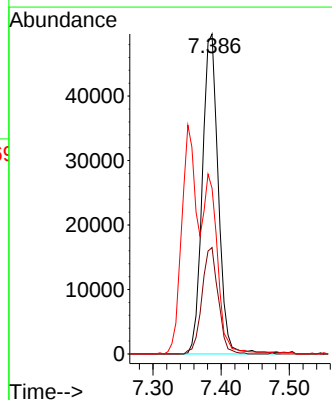
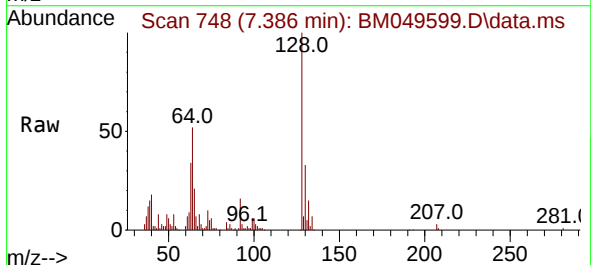
Instrument :
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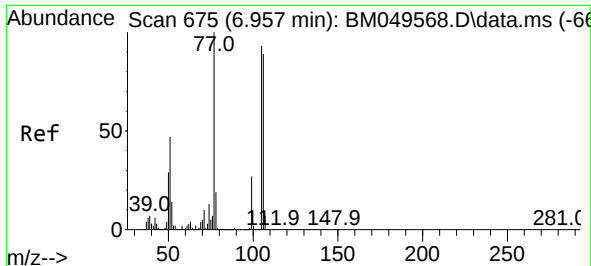
Tgt Ion: 99 Resp: 997167
Ion Ratio Lower Upper
99 100
42 21.0 16.0 24.0
71 35.9 27.8 41.6



#8
2-Chlorophenol
Concen: 9.301 ng
RT: 7.386 min Scan# 748
Delta R.T. -0.000 min
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Tgt Ion: 128 Resp: 80831
Ion Ratio Lower Upper
128 100
130 33.2 12.4 52.4
64 51.8 28.7 68.7

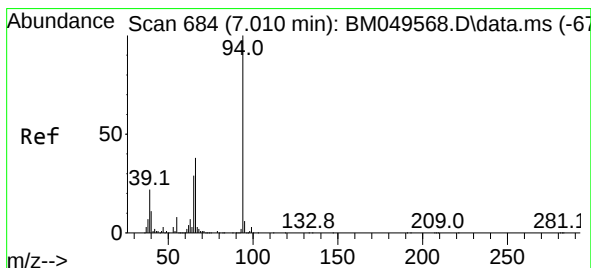
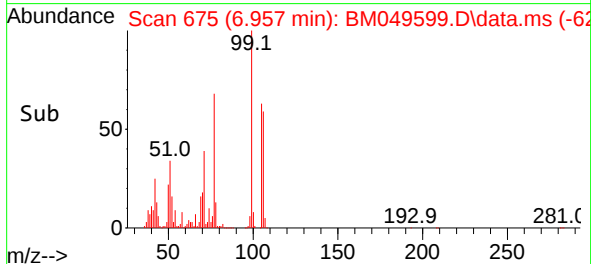
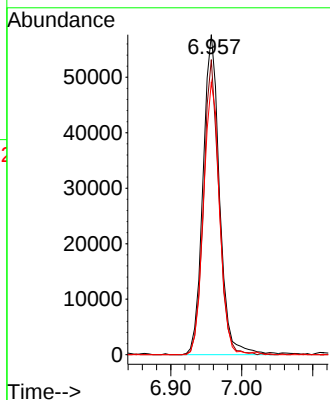
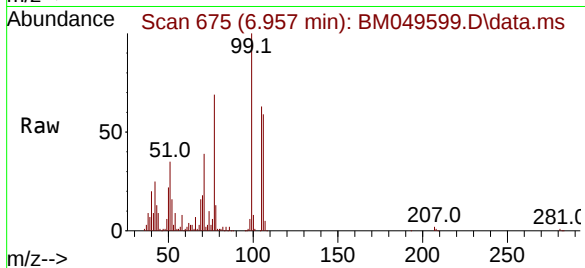




#9
Benzaldehyde
Concen: 15.513 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

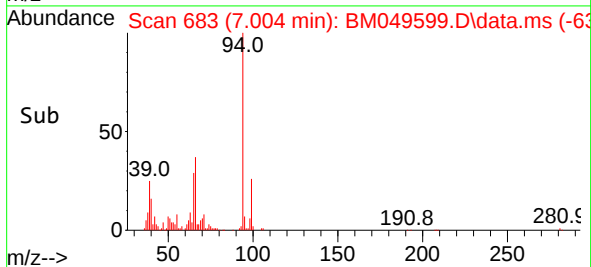
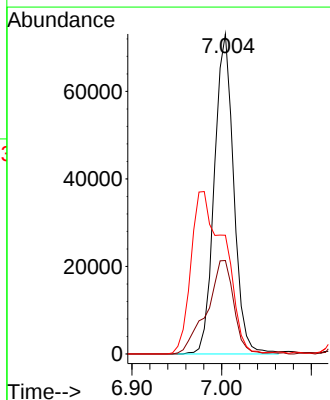
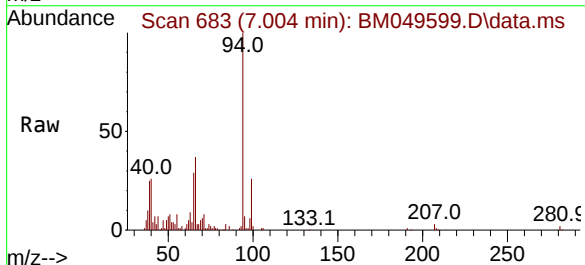
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT1-2025

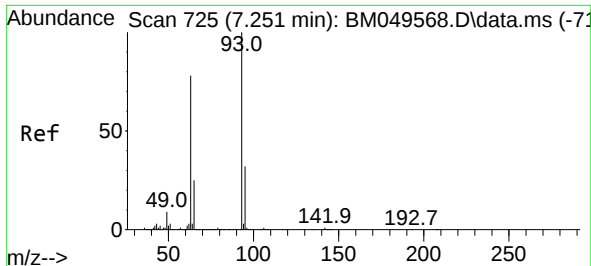
Tgt Ion: 77 Resp: 93662
Ion Ratio Lower Upper
77 100
105 92.2 72.7 112.7
106 85.1 68.9 108.9



#10
Phenol
Concen: 9.743 ng
RT: 7.004 min Scan# 683
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion: 94 Resp: 109427
Ion Ratio Lower Upper
94 100
65 29.2 9.3 49.3
66 37.1 17.7 57.7

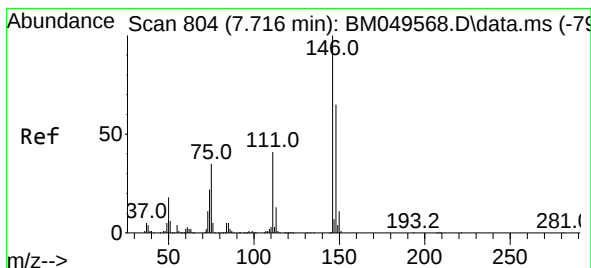
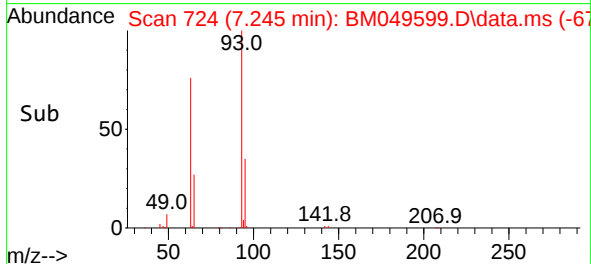
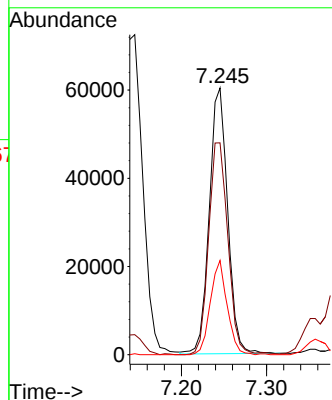
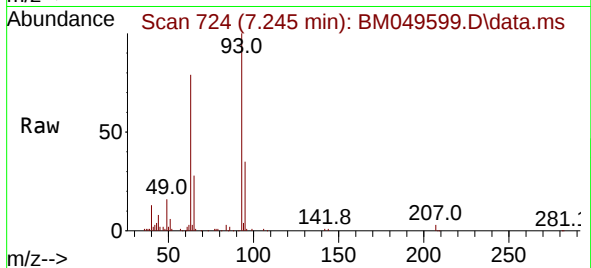




#11
bis(2-Chloroethyl)ether
Concen: 9.929 ng
RT: 7.245 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

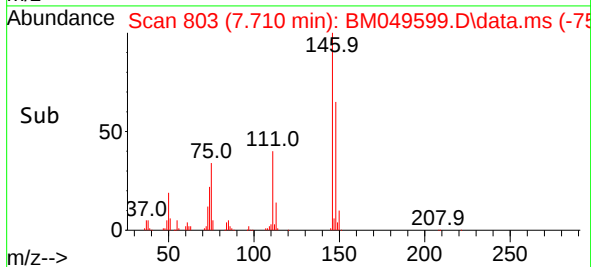
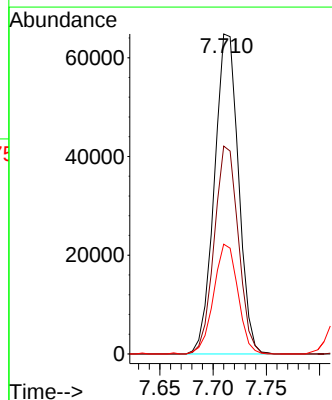
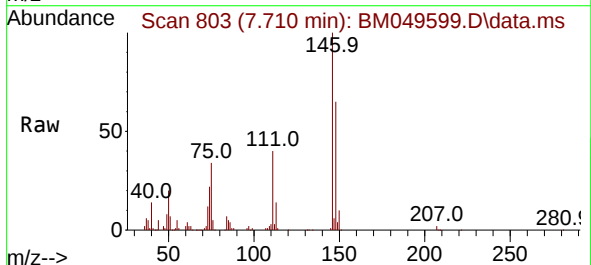
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

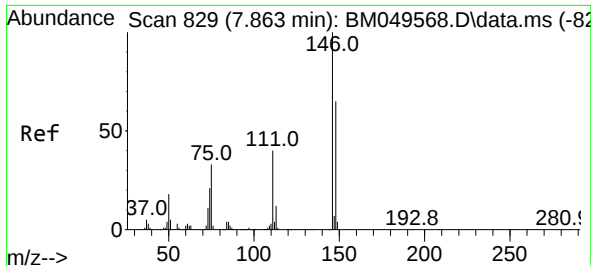
Tgt Ion: 93 Resp: 90220
Ion Ratio Lower Upper
93 100
63 79.4 57.3 97.3
95 35.3 12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 10.100 ng
RT: 7.710 min Scan# 803
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:146 Resp: 101889
Ion Ratio Lower Upper
146 100
148 64.9 52.2 78.2
75 34.3 28.3 42.5

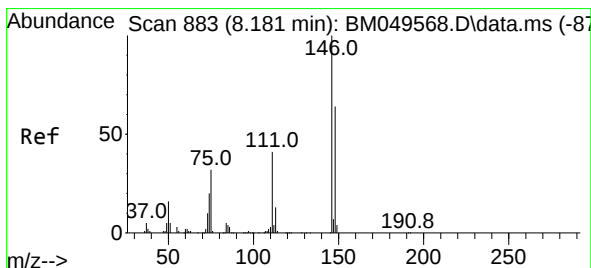
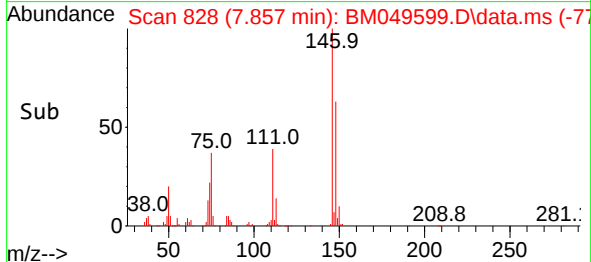
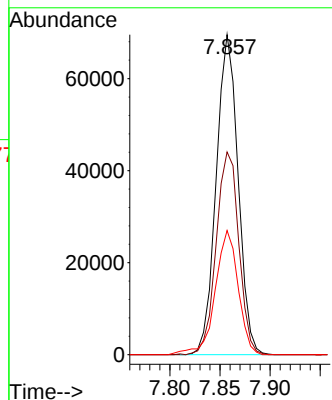
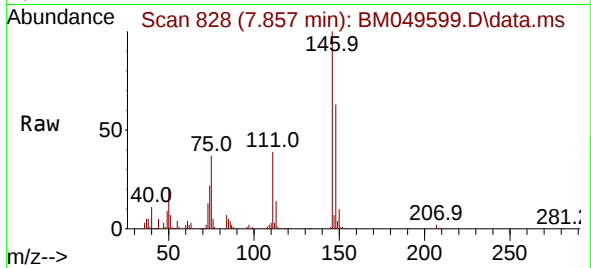




#13
1,4-Dichlorobenzene
Concen: 10.346 ng
RT: 7.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

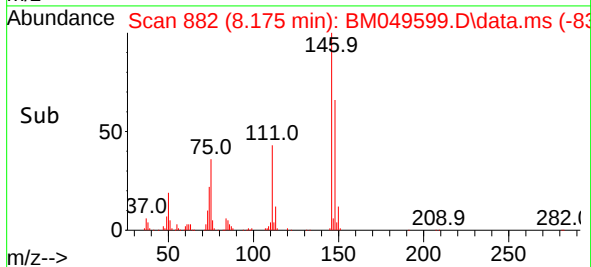
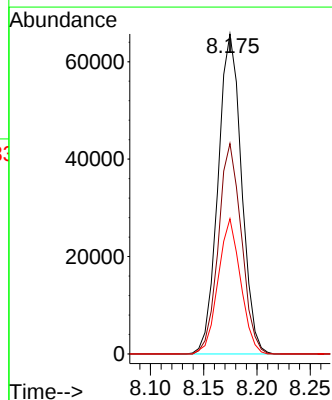
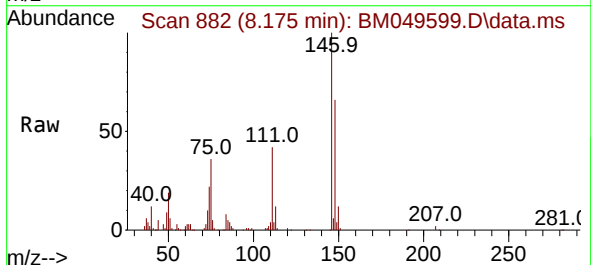
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT1-2025

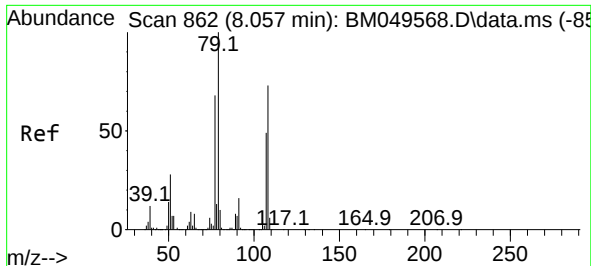
Tgt Ion:146 Resp: 105571
Ion Ratio Lower Upper
146 100
148 63.4 52.1 78.1
111 38.8 31.7 47.5



#14
1,2-Dichlorobenzene
Concen: 10.208 ng
RT: 8.175 min Scan# 882
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:146 Resp: 100575
Ion Ratio Lower Upper
146 100
148 65.8 51.5 77.3
111 42.2 33.4 50.0

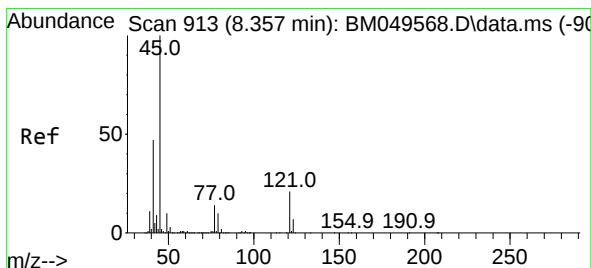
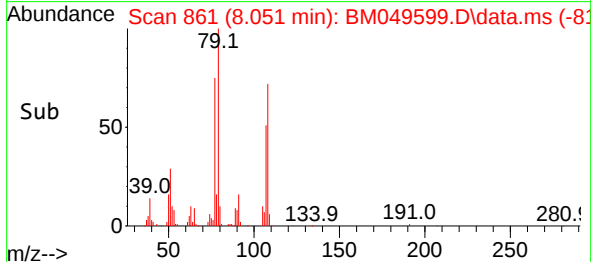
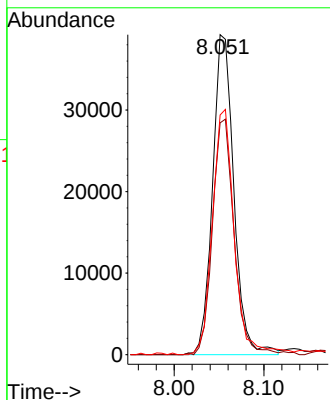
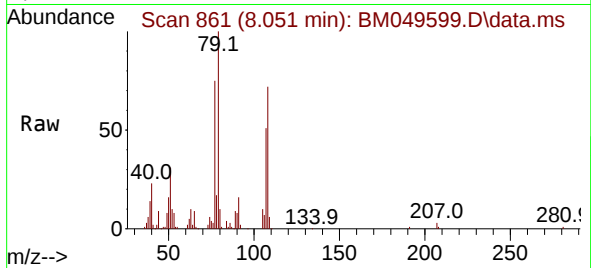




#15
Benzyl Alcohol
Concen: 8.143 ng
RT: 8.051 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

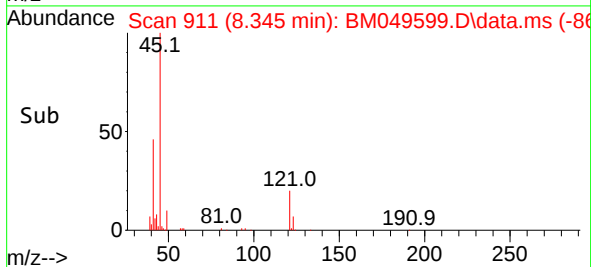
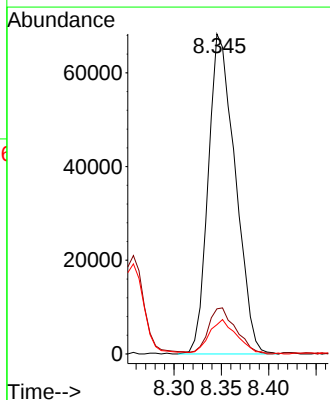
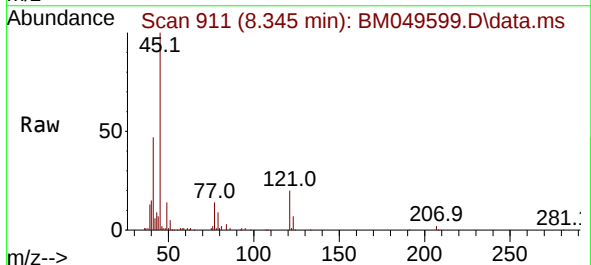
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

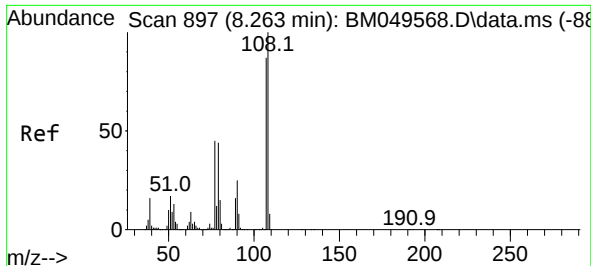
Tgt Ion: 79 Resp: 64597
Ion Ratio Lower Upper
79 100
108 72.5 58.6 88.0
77 74.9 54.0 81.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 11.070 ng
RT: 8.345 min Scan# 911
Delta R.T. -0.012 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion: 45 Resp: 135410
Ion Ratio Lower Upper
45 100
77 14.1 0.0 34.0
79 9.2 0.0 30.8

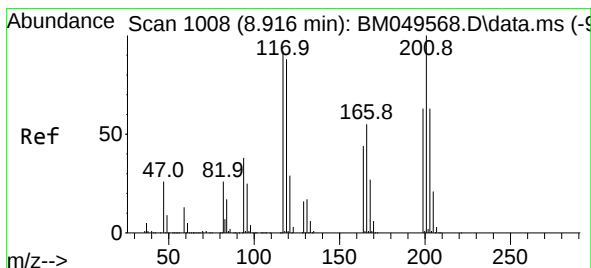
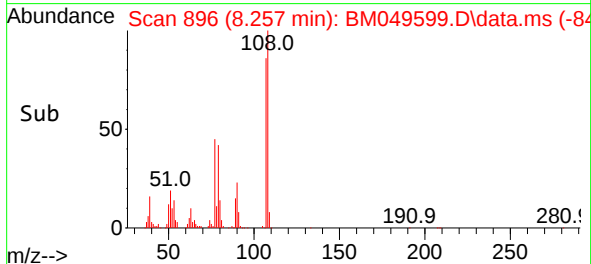
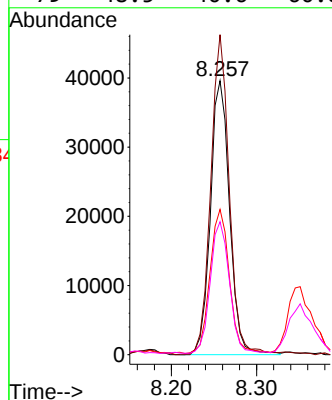
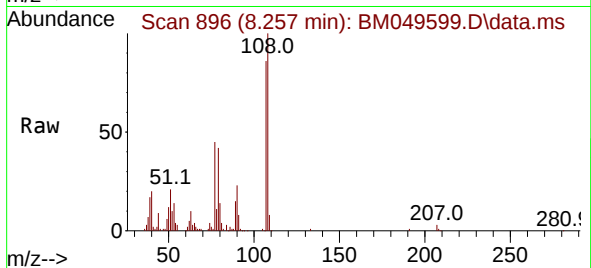




#17
2-Methylphenol
Concen: 9.004 ng
RT: 8.257 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

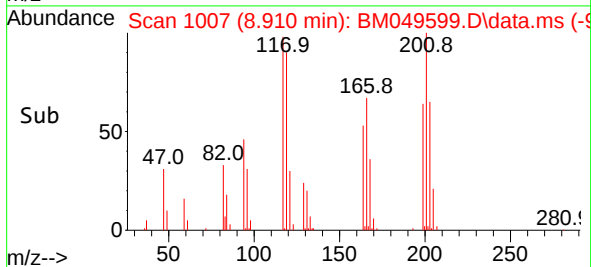
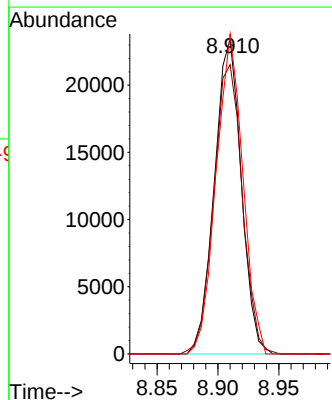
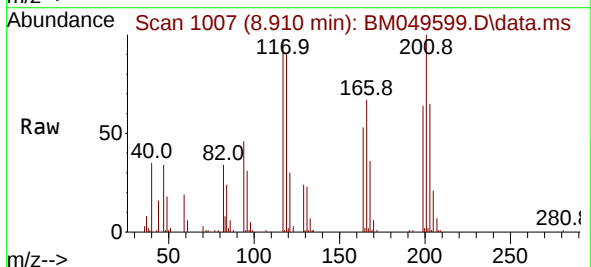
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

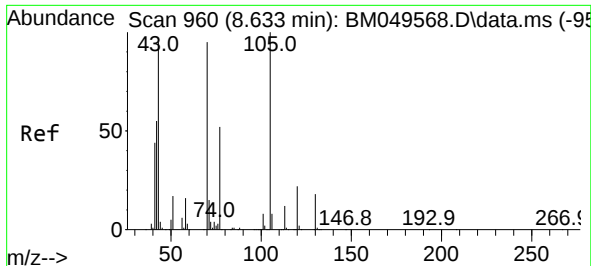
Tgt Ion:	107	Resp:	61834
Ion	Ratio	Lower	Upper
107	100		
108	116.8	92.2	138.4
77	53.0	41.3	61.9
79	48.5	40.6	60.8



#18
Hexachloroethane
Concen: 9.648 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:	117	Resp:	35959
Ion	Ratio	Lower	Upper
117	100		
119	91.9	76.8	115.2
201	103.3	87.0	130.6

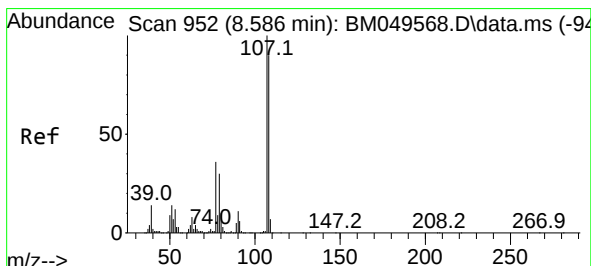
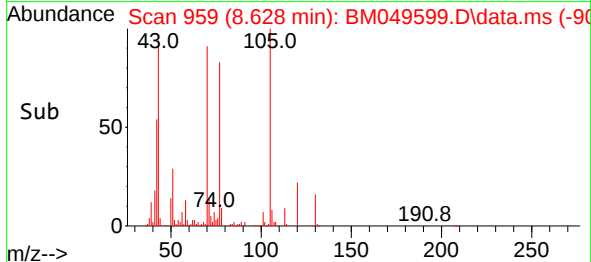
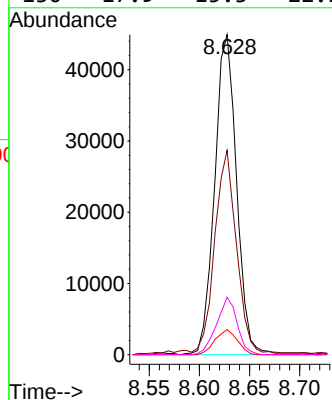
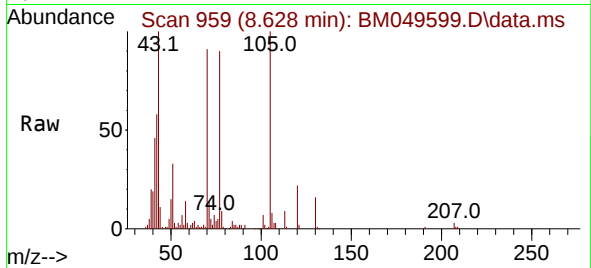




#19
n-Nitroso-di-n-propylamine
Concen: 9.127 ng
RT: 8.628 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

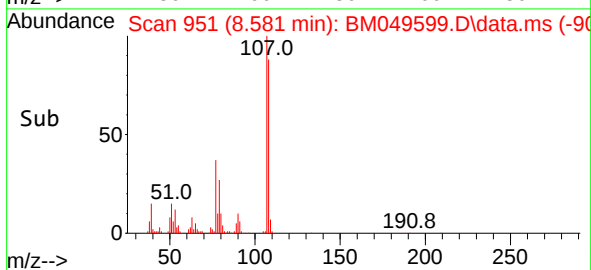
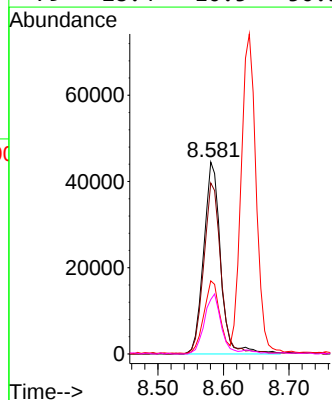
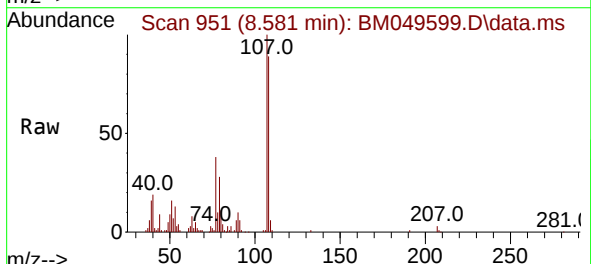
Instrument :
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ClientSampleId :
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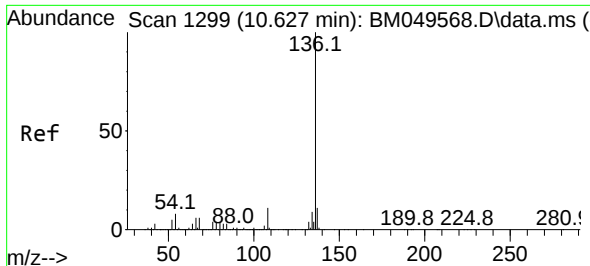
Tgt Ion:	70	Resp:	68155
Ion Ratio	Lower	Upper	
70	100		
42	63.9	47.4	71.2
101	7.9	7.1	10.7
130	17.9	15.3	22.9



#20
3+4-Methylphenols
Concen: 8.839 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:	107	Resp:	80134
Ion Ratio	Lower	Upper	
107	100		
108	89.0	69.6	109.6
77	38.1	16.0	56.0
79	28.4	10.5	50.5

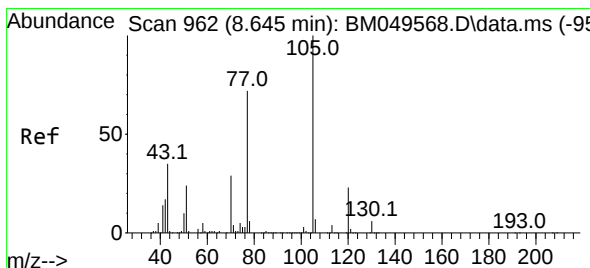
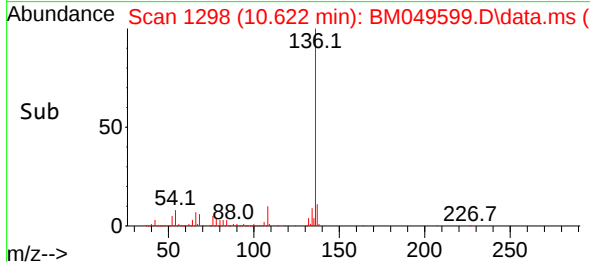
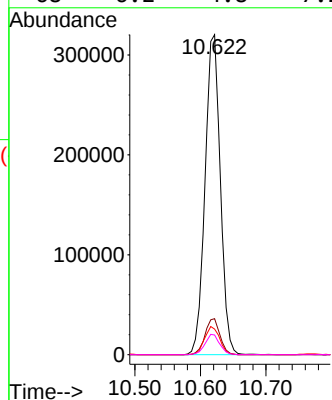
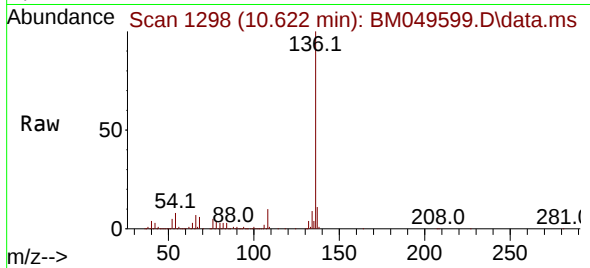




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

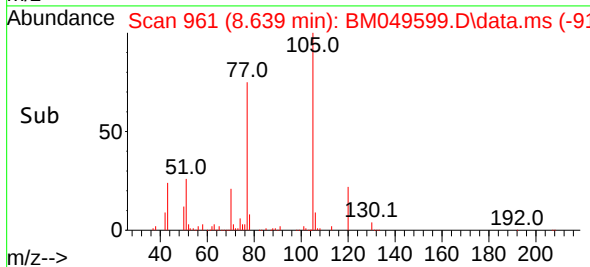
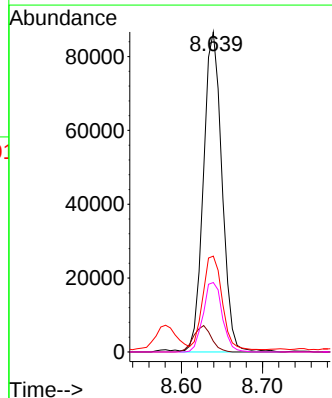
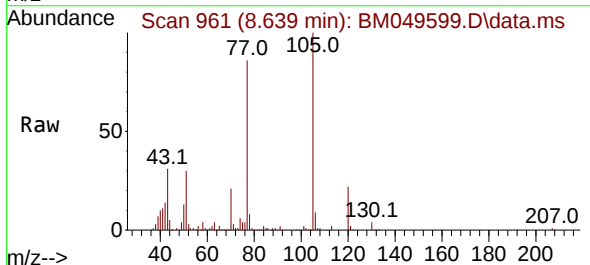
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT1-2025

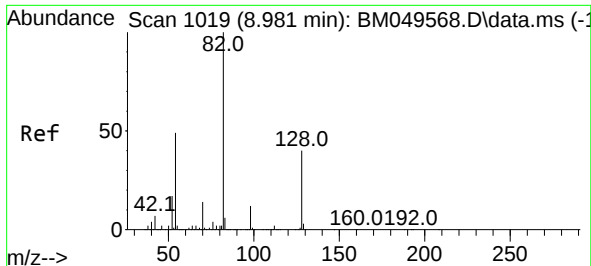
Tgt Ion:	136	Resp:	519764
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	13.0
54	8.0	6.6	10.0
68	6.2	4.8	7.2



#22
Acetophenone
Concen: 9.821 ng
RT: 8.639 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:	105	Resp:	137487
Ion Ratio	Lower	Upper	
105	100		
71	3.4	3.5	5.3
51	29.9	21.7	32.5
120	21.7	18.1	27.1

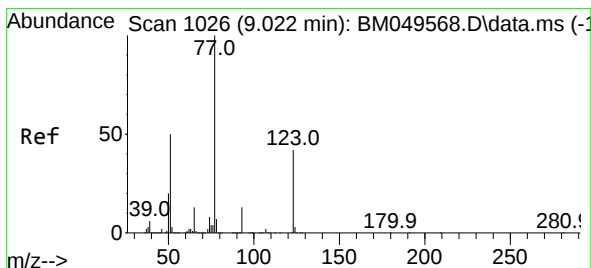
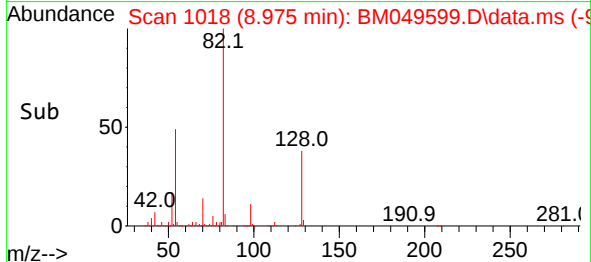
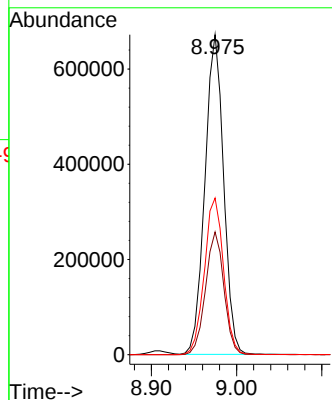
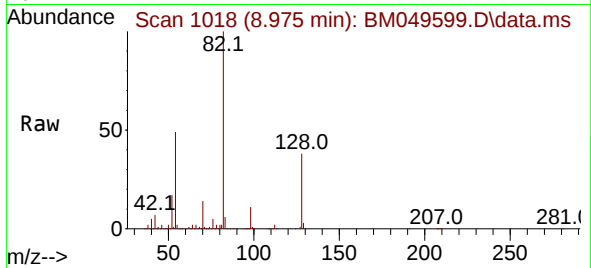




#23
Nitrobenzene-d5
Concen: 101.206 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

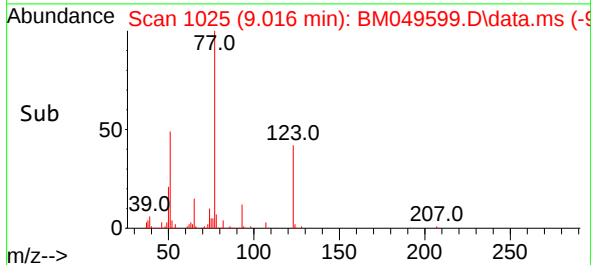
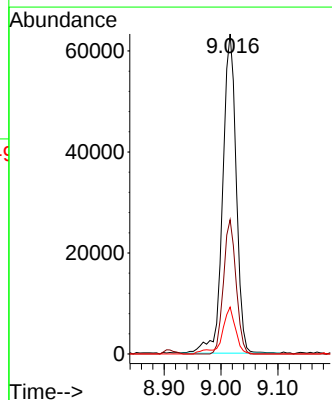
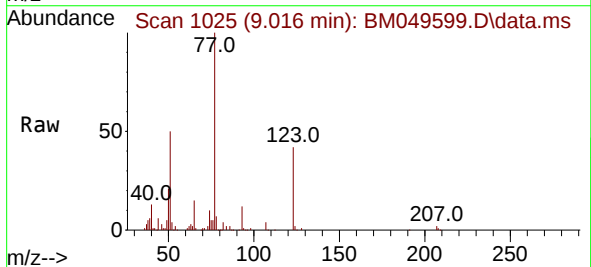
Instrument :
BNA_M
ClientSampleId :
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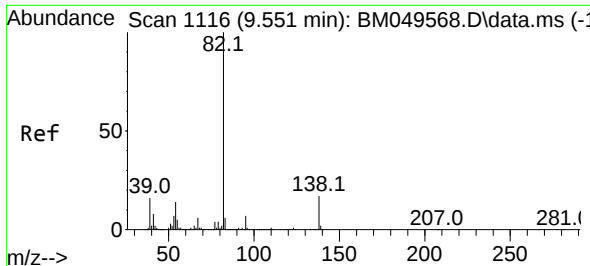
Tgt Ion: 82 Resp: 1022670
Ion Ratio Lower Upper
82 100
128 38.4 31.6 47.4
54 49.0 39.4 59.0



#24
Nitrobenzene
Concen: 10.708 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion: 77 Resp: 105124
Ion Ratio Lower Upper
77 100
123 41.9 33.4 50.2
65 14.7 10.5 15.7

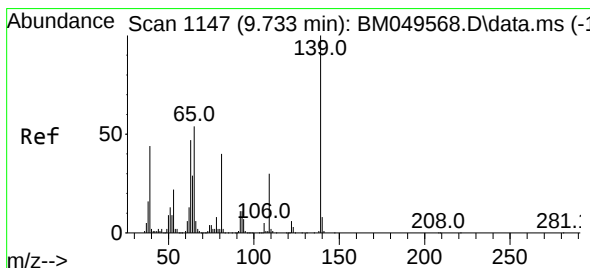
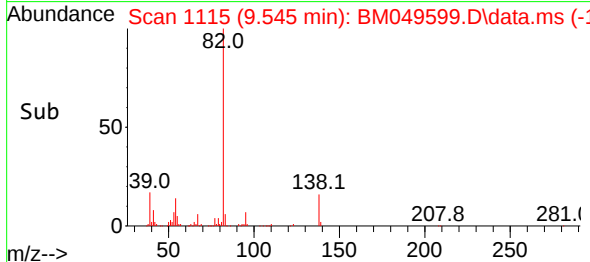
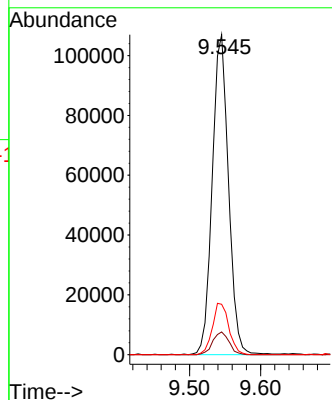
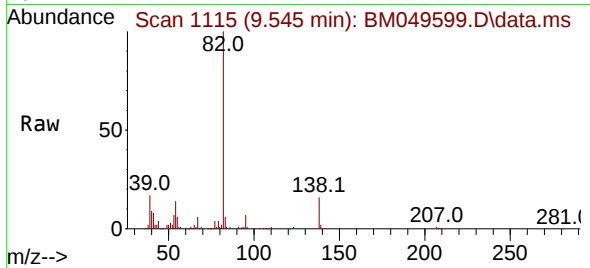




#25
Isophorone
Concen: 9.323 ng
RT: 9.545 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

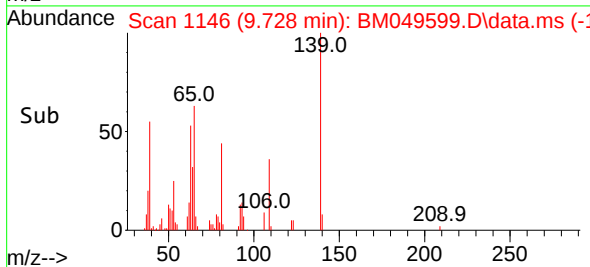
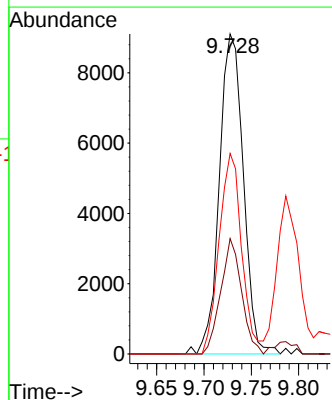
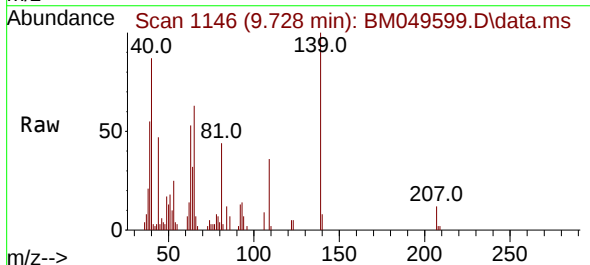
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

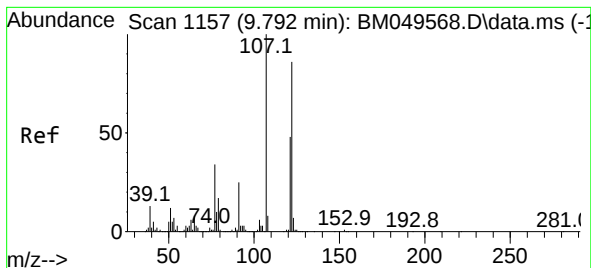
Tgt Ion: 82 Resp: 169891
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 15.8 13.6 20.4



#26
2-Nitrophenol
Concen: 7.532 ng
RT: 9.728 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:139 Resp: 16039
Ion Ratio Lower Upper
139 100
109 36.0 24.2 36.2
65 62.6 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 9.687 ng

RT: 9.792 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

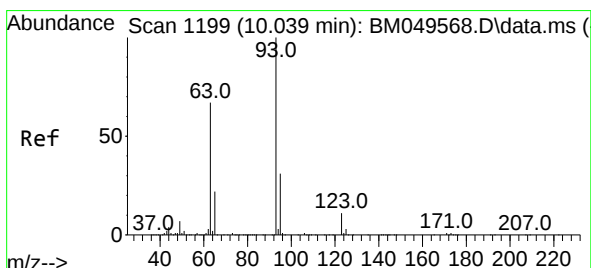
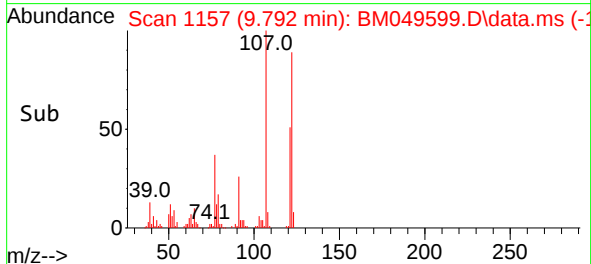
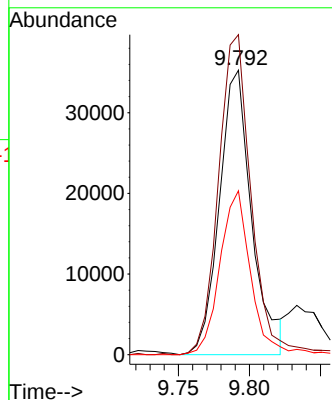
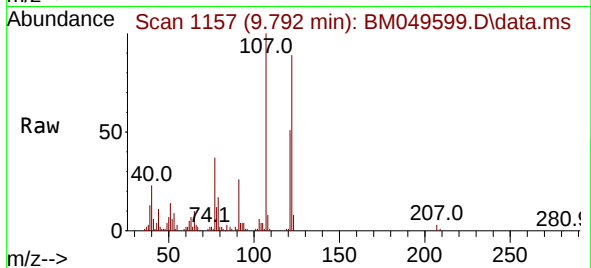
Tgt Ion:122 Resp: 55820

Ion Ratio Lower Upper

122 100

107 112.5 93.2 139.8

121 57.6 44.4 66.6



#28

bis(2-Chloroethoxy)methane

Concen: 9.367 ng

RT: 10.028 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

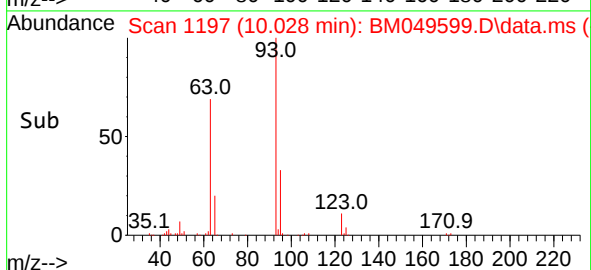
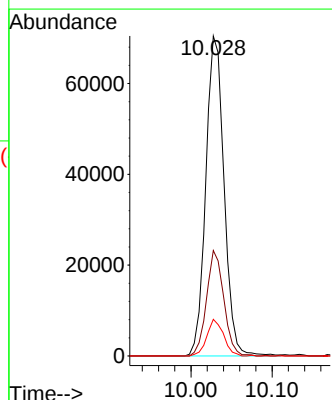
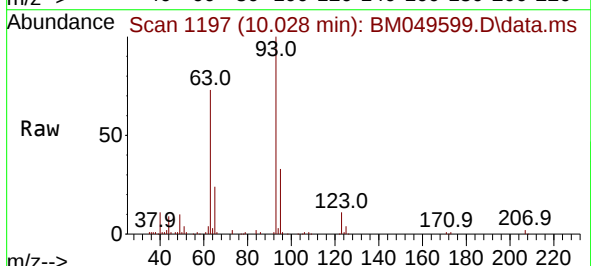
Tgt Ion: 93 Resp: 109939

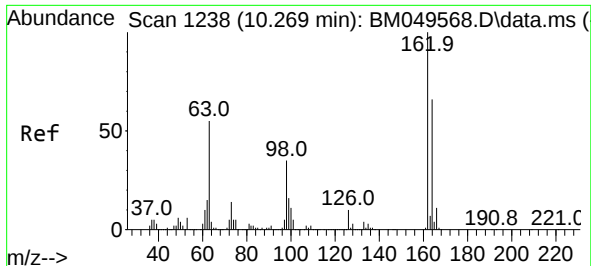
Ion Ratio Lower Upper

93 100

95 32.9 25.2 37.8

123 11.5 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 7.496 ng

RT: 10.263 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

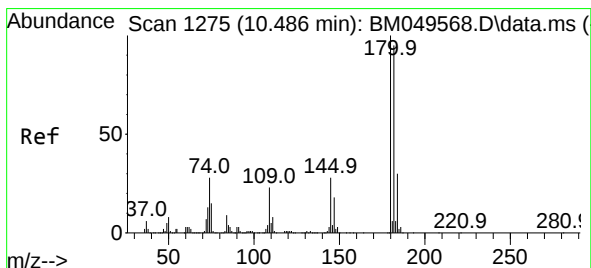
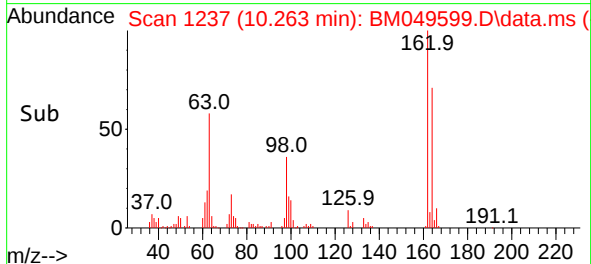
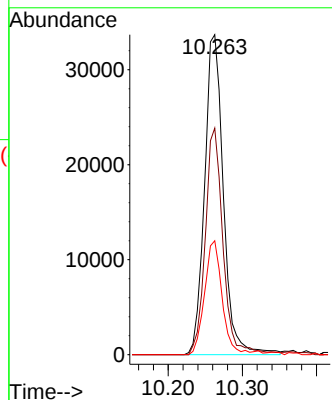
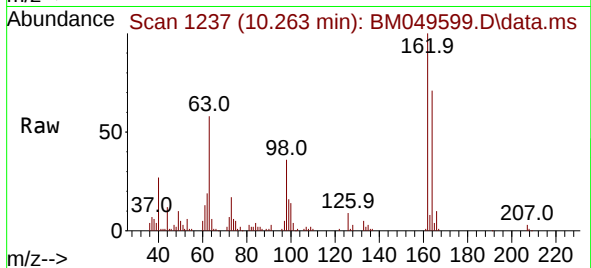
Tgt Ion:162 Resp: 59480

Ion Ratio Lower Upper

162 100

164 70.8 46.0 86.0

98 35.6 14.7 54.7



#30

1,2,4-Trichlorobenzene

Concen: 9.336 ng

RT: 10.480 min Scan# 1274

Delta R.T. -0.006 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

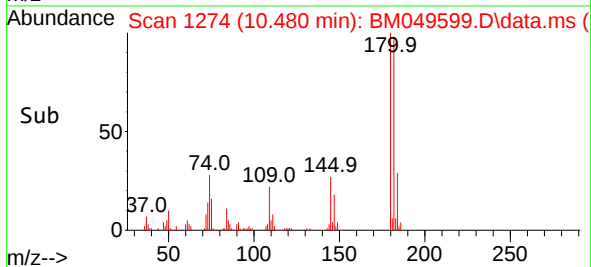
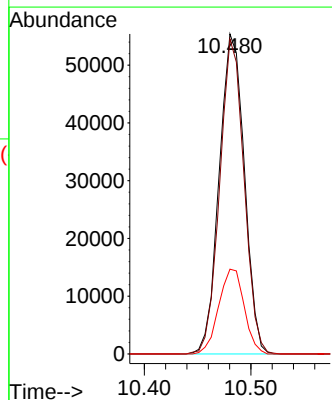
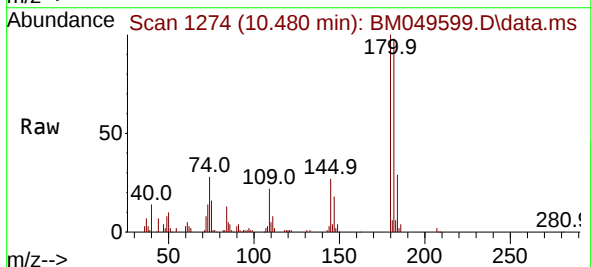
Tgt Ion:180 Resp: 90762

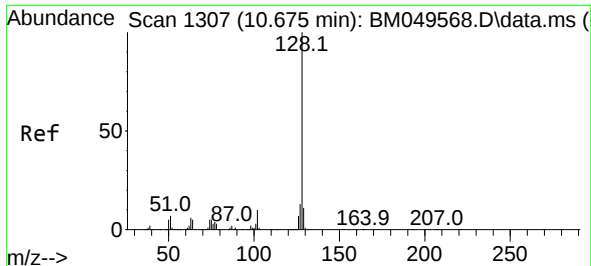
Ion Ratio Lower Upper

180 100

182 98.4 76.4 114.6

145 26.5 22.5 33.7

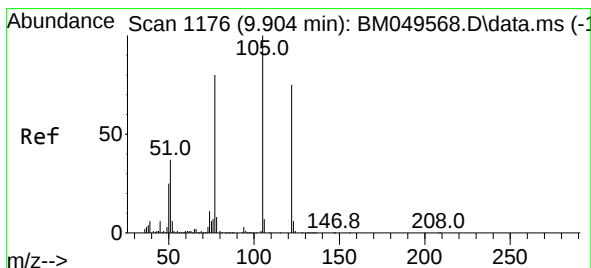
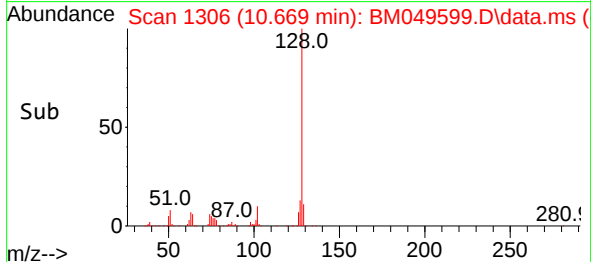
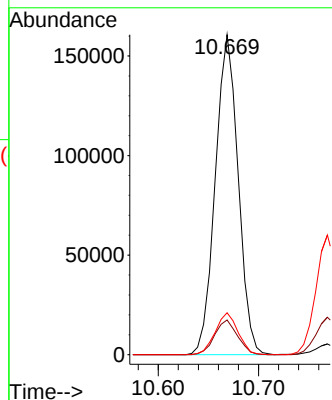
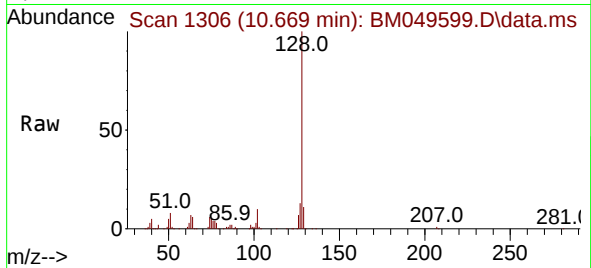




#31
Naphthalene
Concen: 9.277 ng
RT: 10.669 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

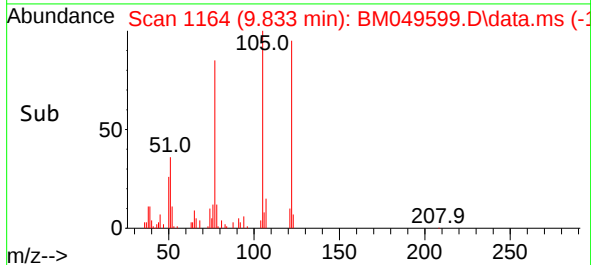
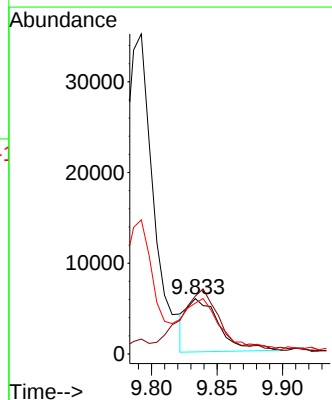
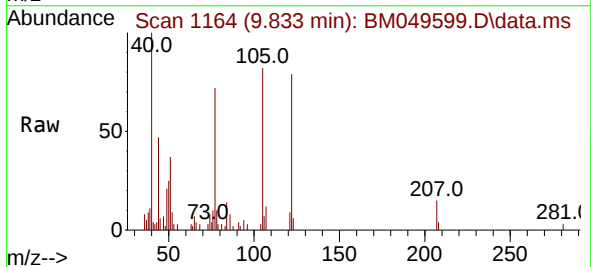
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

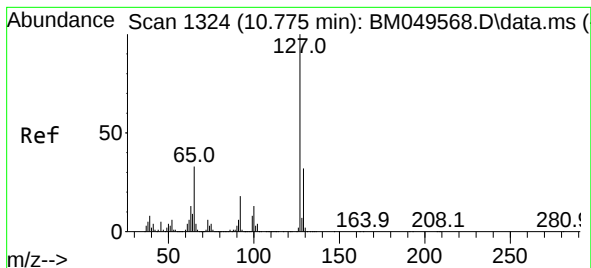
Tgt Ion:128 Resp: 254293
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.1 10.6 15.8



#32
Benzoic acid
Concen: 8.502 ng
RT: 9.833 min Scan# 1164
Delta R.T. -0.071 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:122 Resp: 10202
Ion Ratio Lower Upper
122 100
105 104.7 103.6 143.6
77 92.0 82.4 122.4





#33

4-Chloroaniline

Concen: 9.372 ng

RT: 10.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:127 Resp: 96161

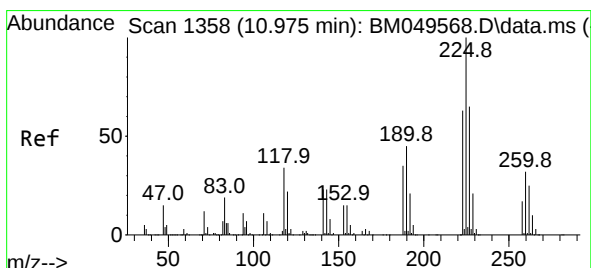
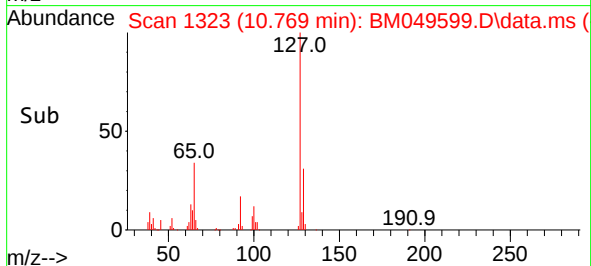
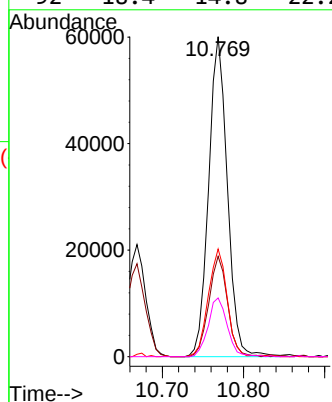
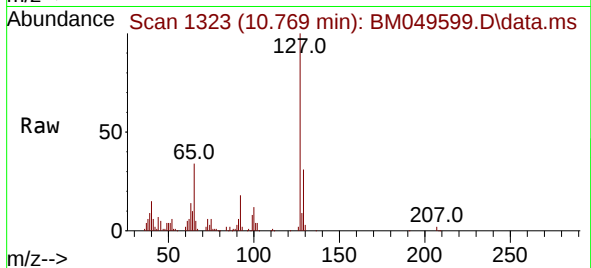
Ion Ratio Lower Upper

127 100

129 31.4 25.8 38.8

65 33.6 26.4 39.6

92 18.4 14.8 22.2



#34

Hexachlorobutadiene

Concen: 9.544 ng

RT: 10.969 min Scan# 1357

Delta R.T. -0.006 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

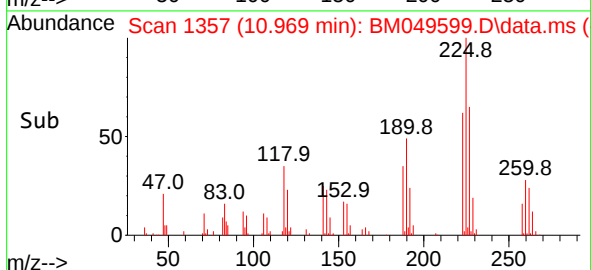
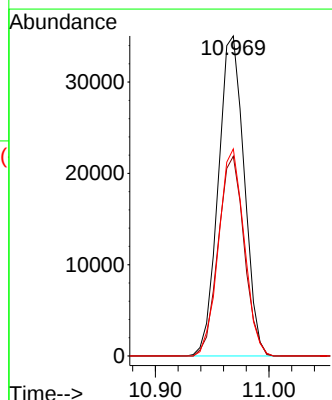
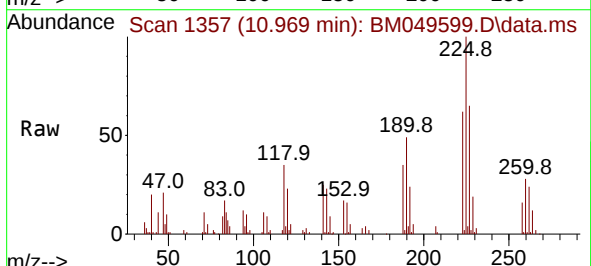
Tgt Ion:225 Resp: 55563

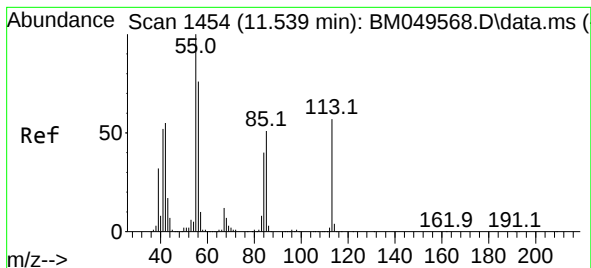
Ion Ratio Lower Upper

225 100

223 62.4 50.6 75.8

227 67.1 51.8 77.6





#35

Caprolactam

Concen: 6.174 ng

RT: 11.510 min Scan# 1449

Delta R.T. -0.029 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

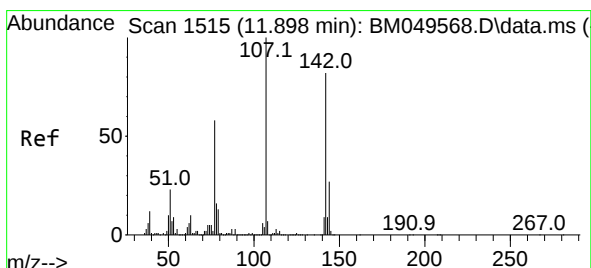
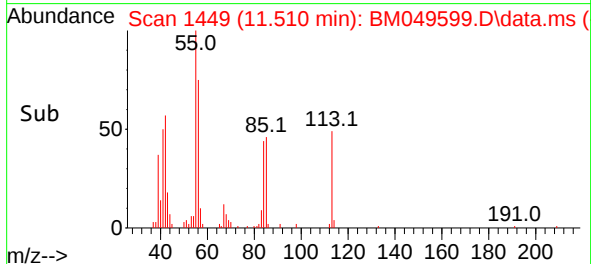
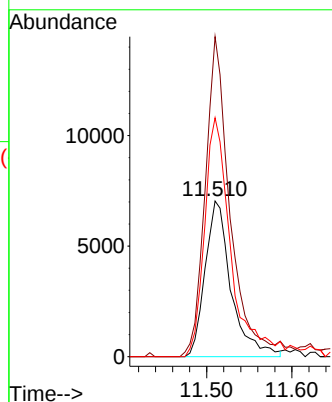
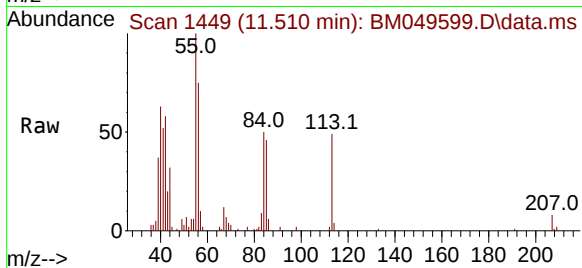
Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:113	Resp:	14946
Ion Ratio	Lower	Upper
113	100	
55	205.6	157.5 197.5#
56	153.5	114.6 154.6



#36

4-Chloro-3-methylphenol

Concen: 7.037 ng

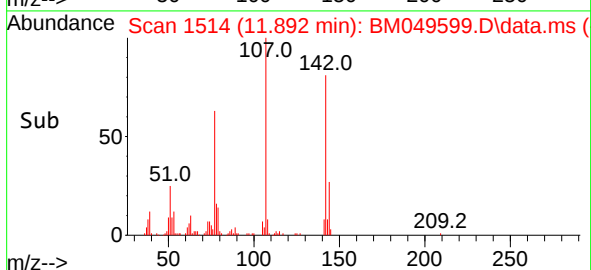
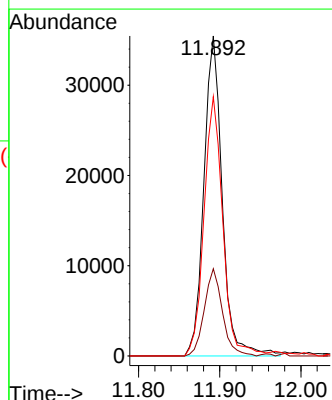
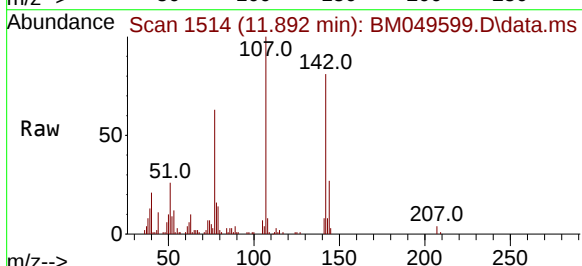
RT: 11.892 min Scan# 1514

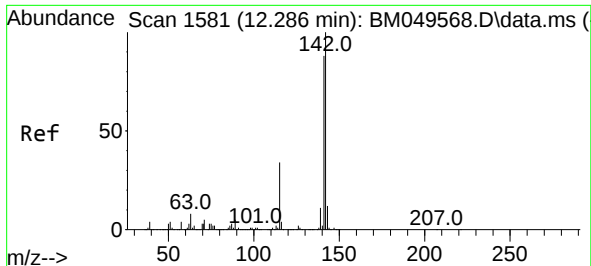
Delta R.T. -0.006 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

Tgt Ion:107	Resp:	55687
Ion Ratio	Lower	Upper
107	100	
144	27.3	21.2 31.8
142	81.0	65.4 98.2

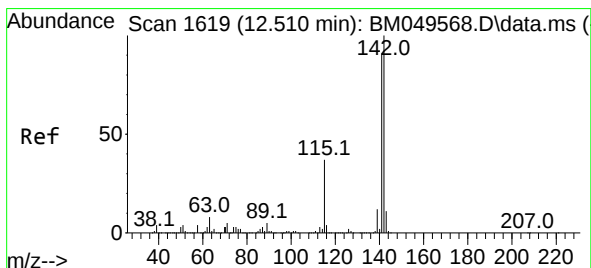
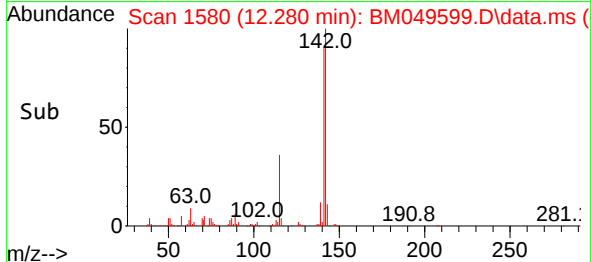
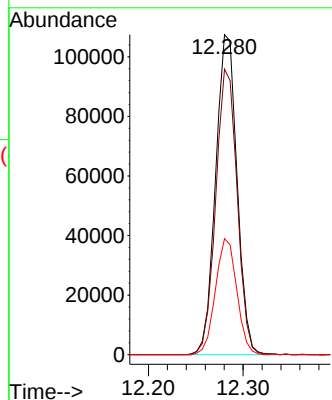
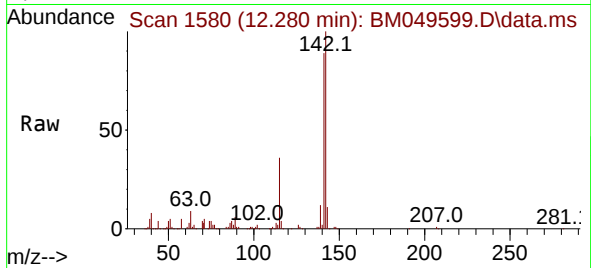




#37
2-Methylnaphthalene
Concen: 8.772 ng
RT: 12.280 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

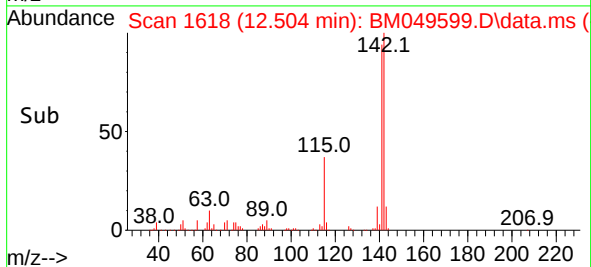
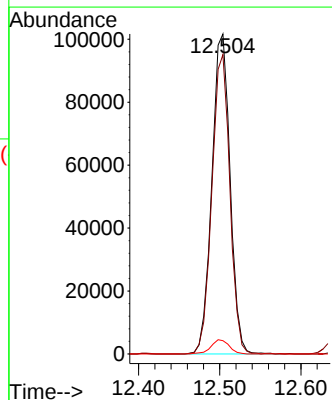
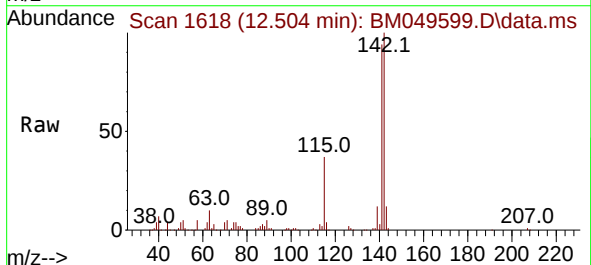
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

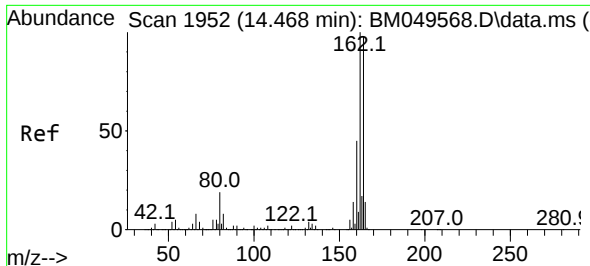
Tgt Ion:142 Resp: 169295
Ion Ratio Lower Upper
142 100
141 89.3 70.2 105.4
115 36.3 27.5 41.3



#38
1-Methylnaphthalene
Concen: 8.428 ng
RT: 12.504 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:142 Resp: 158273
Ion Ratio Lower Upper
142 100
141 93.5 73.1 109.7
116 4.2 3.1 4.7

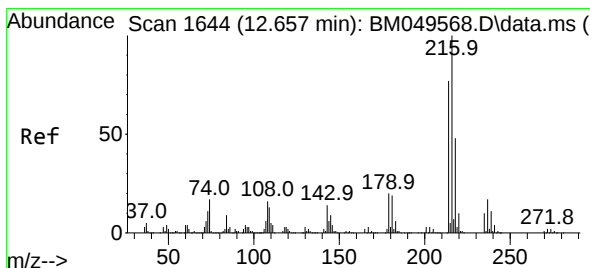
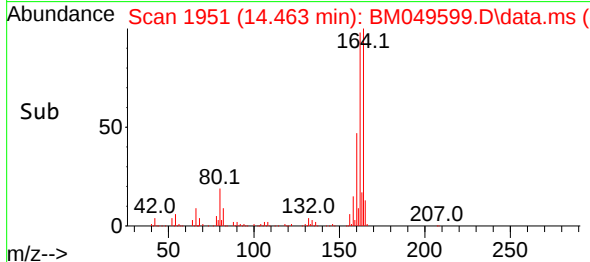
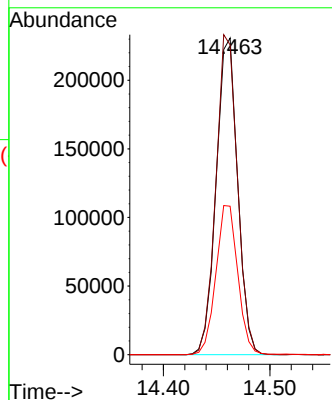
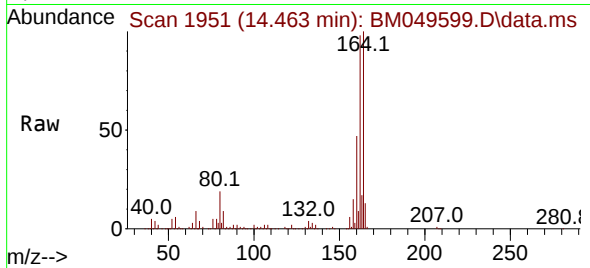




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

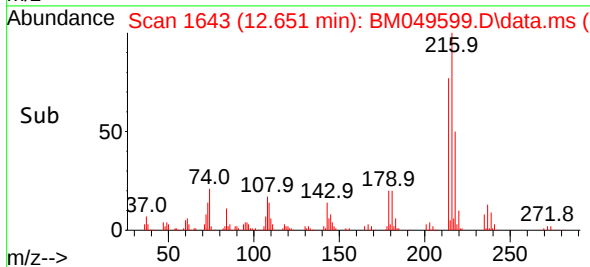
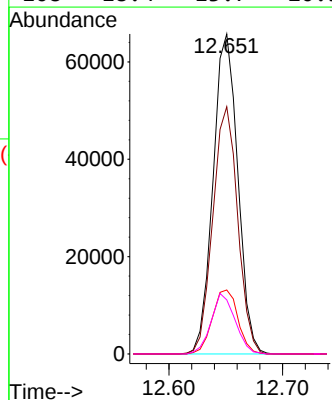
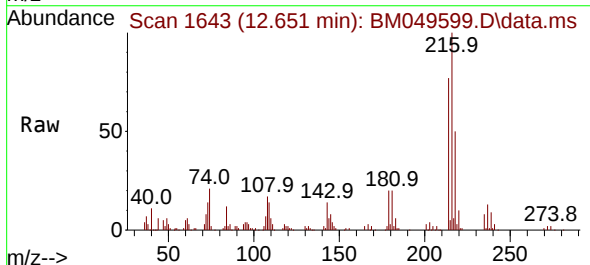
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

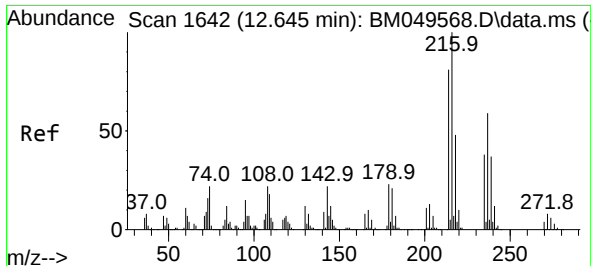
Tgt Ion:164 Resp: 322237
Ion Ratio Lower Upper
164 100
162 97.8 81.4 122.0
160 46.9 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.370 ng
RT: 12.651 min Scan# 1643
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:216 Resp: 99273
Ion Ratio Lower Upper
216 100
214 77.7 62.4 93.6
179 20.7 16.3 24.5
108 18.4 13.7 20.5

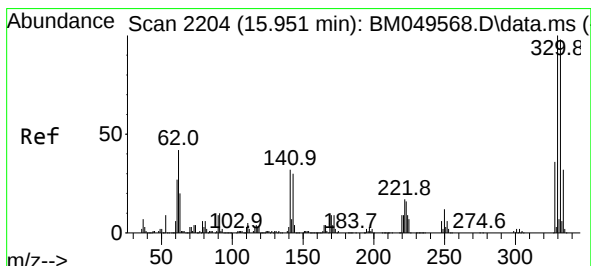
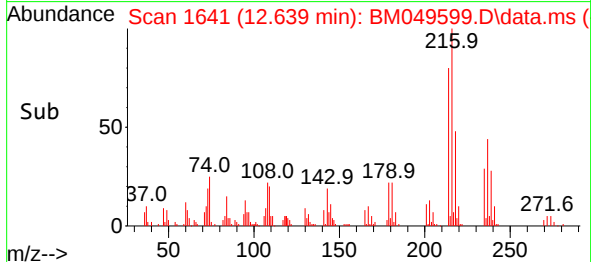
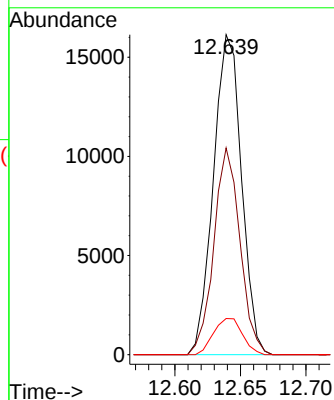
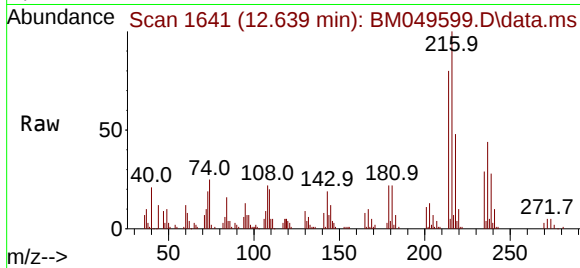




#41
Hexachlorocyclopentadiene
Concen: 8.886 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

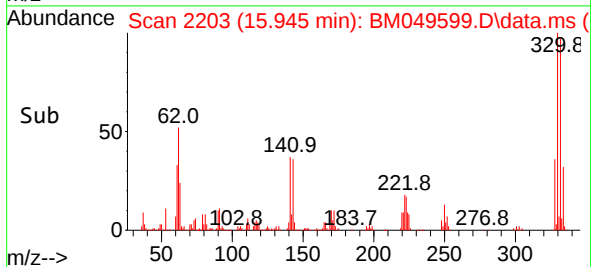
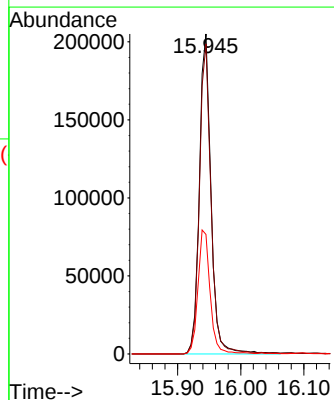
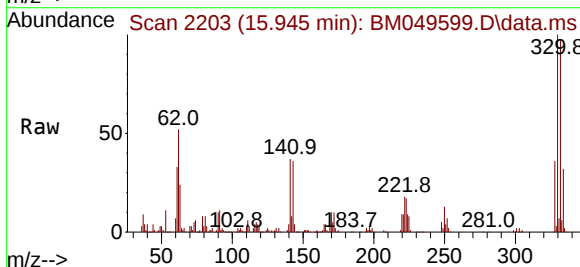
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

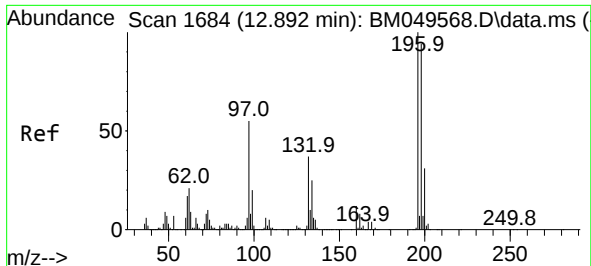
Tgt Ion:237	Resp:	24034
Ion Ratio	Lower	Upper
237	100	
235	64.6	43.8 83.8
272	11.3	0.0 33.5



#42
2,4,6-Tribromophenol
Concen: 68.908 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:330	Resp:	263107
Ion Ratio	Lower	Upper
330	100	
332	96.2	77.3 115.9
141	40.4	28.2 42.2

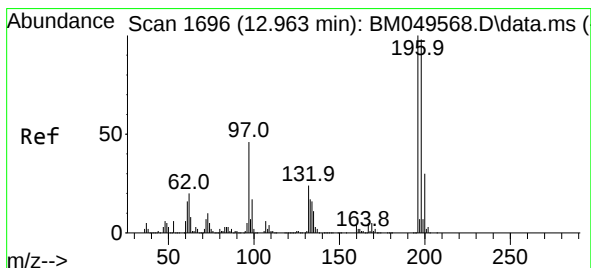
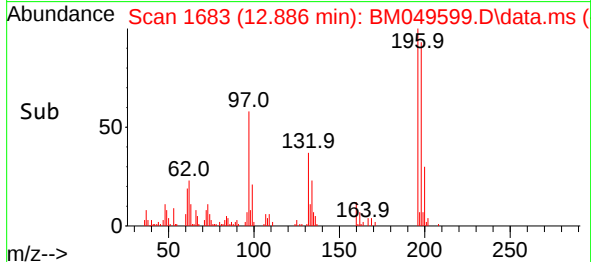
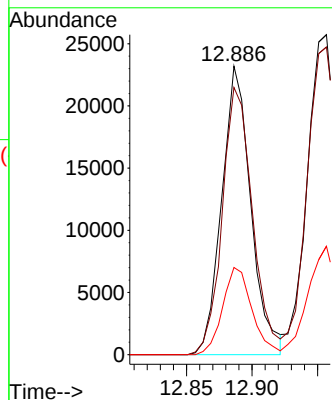
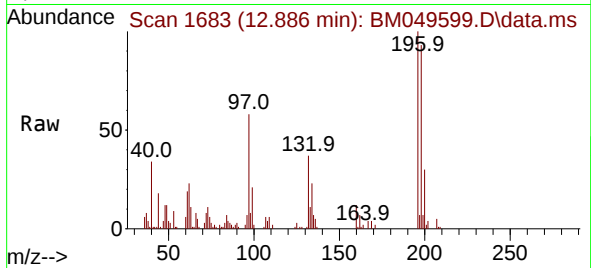




#43
2,4,6-Trichlorophenol
Concen: 6.204 ng
RT: 12.886 min Scan# 1683
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

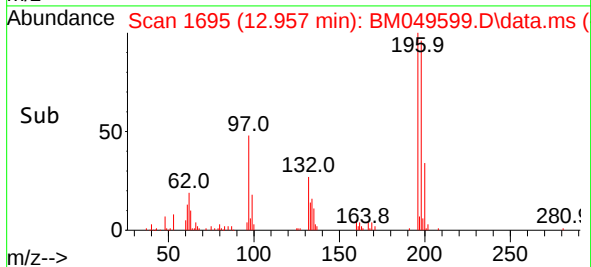
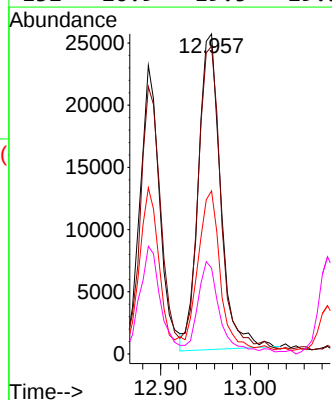
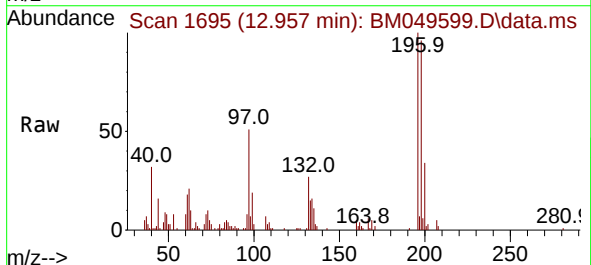
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

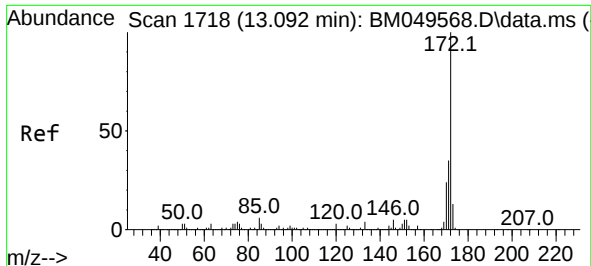
Tgt Ion:196 Resp: 35865
Ion Ratio Lower Upper
196 100
198 92.6 75.4 113.0
200 30.2 25.1 37.7



#44
2,4,5-Trichlorophenol
Concen: 6.874 ng
RT: 12.957 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:196 Resp: 43673
Ion Ratio Lower Upper
196 100
198 96.1 78.4 117.6
97 50.9 37.4 56.0
132 26.9 19.5 29.3

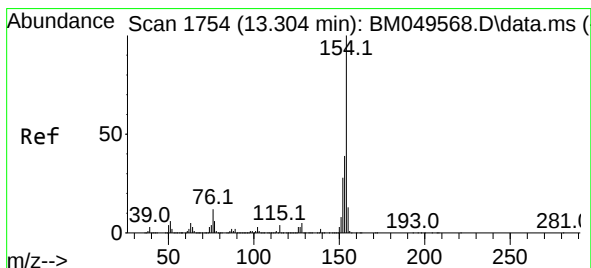
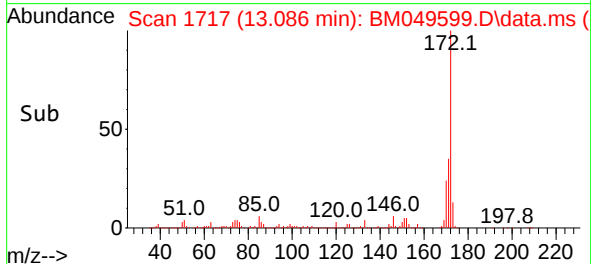
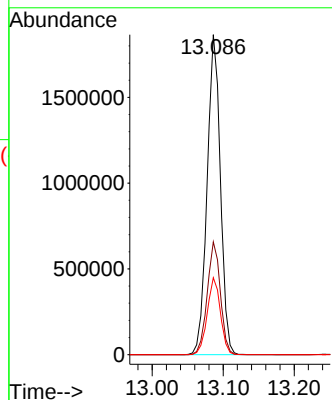
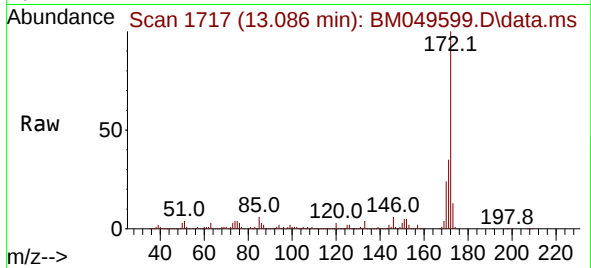




#45
2-Fluorobiphenyl
Concen: 97.440 ng
RT: 13.086 min Scan# 1718
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

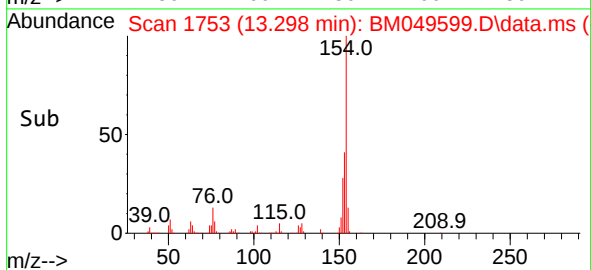
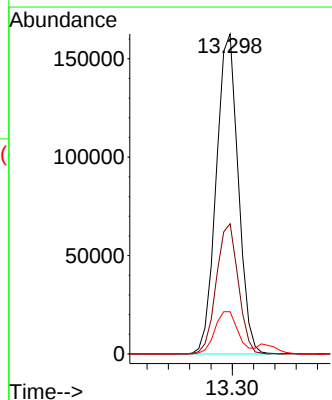
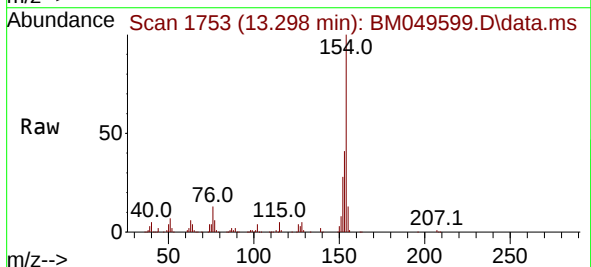
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

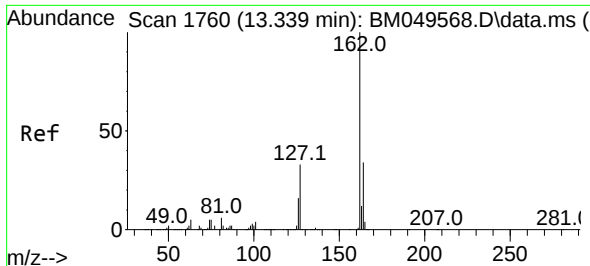
Tgt Ion:172 Resp: 2423761
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 24.1 19.0 28.4



#46
1,1'-Biphenyl
Concen: 9.455 ng
RT: 13.298 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:154 Resp: 232430
Ion Ratio Lower Upper
154 100
153 40.7 19.5 59.5
76 13.2 0.0 32.1

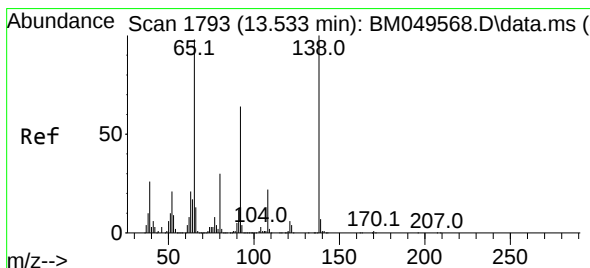
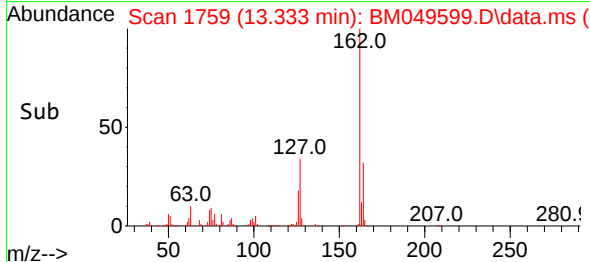
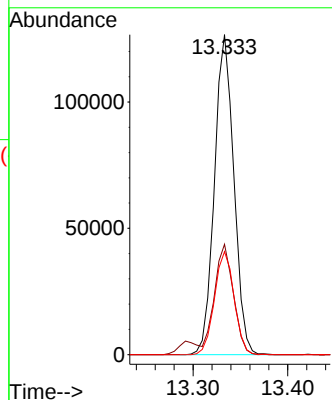
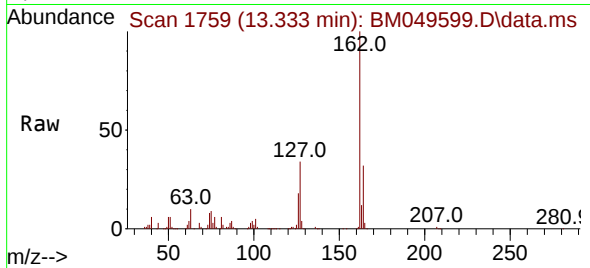




#47
2-Chloronaphthalene
Concen: 9.498 ng
RT: 13.333 min Scan# 1759
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

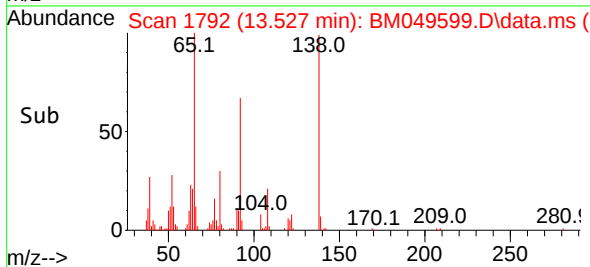
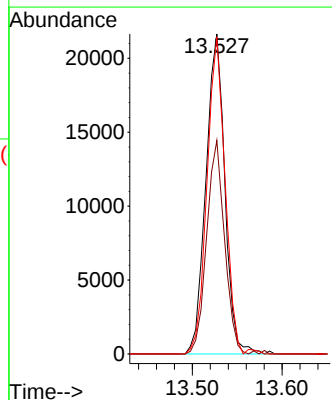
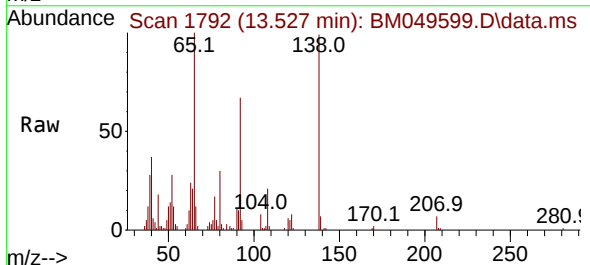
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

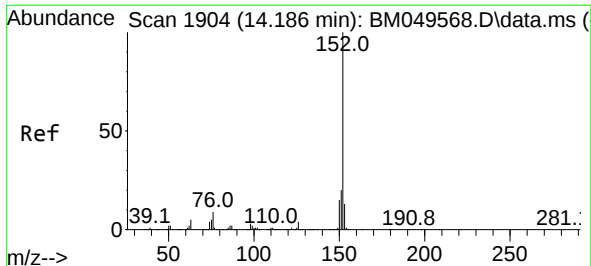
Tgt Ion:162 Resp: 180644
Ion Ratio Lower Upper
162 100
127 34.5 27.9 41.9
164 32.2 26.8 40.2



#48
2-Nitroaniline
Concen: 9.903 ng
RT: 13.527 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion: 65 Resp: 31690
Ion Ratio Lower Upper
65 100
92 66.7 52.0 78.0
138 99.1 81.6 122.4

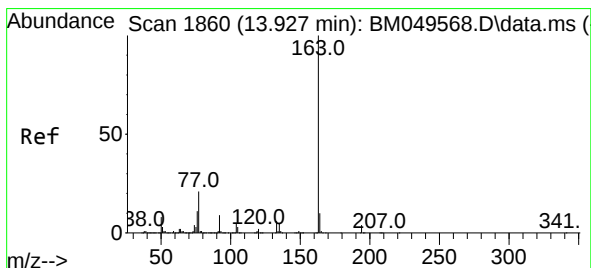
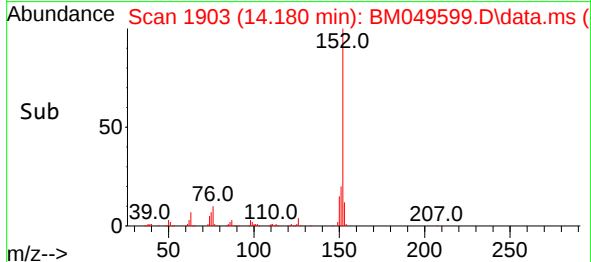
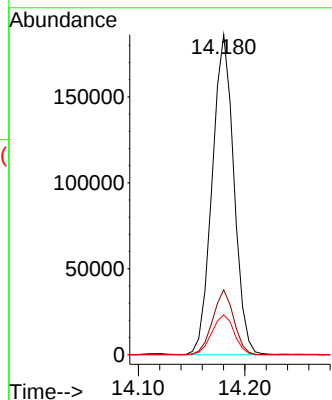
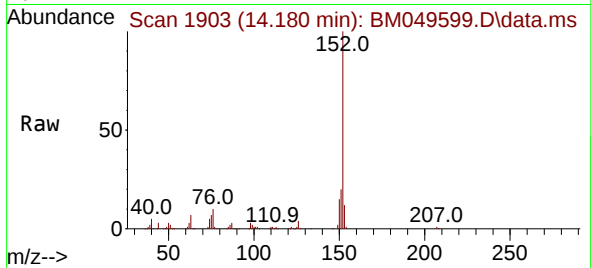




#49
Acenaphthylene
Concen: 9.377 ng
RT: 14.180 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

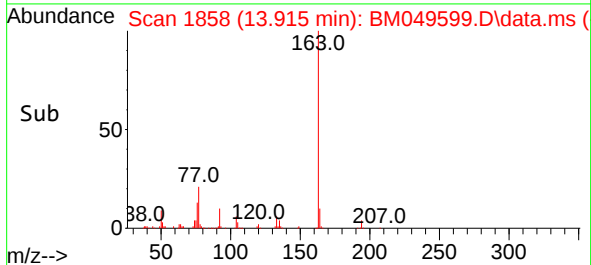
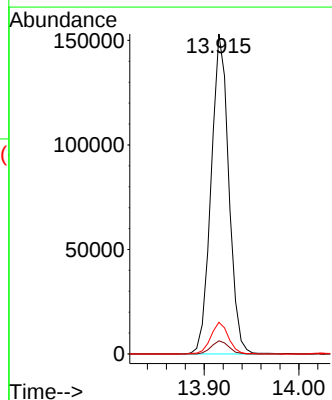
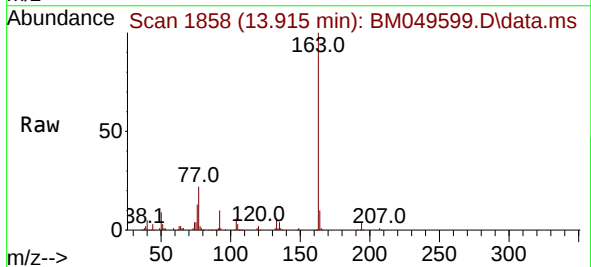
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

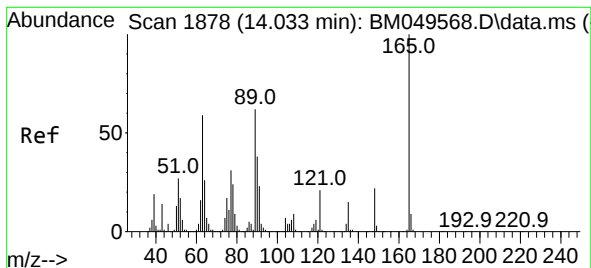
Tgt Ion:152 Resp: 262975
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.4
153 12.5 10.6 16.0



#50
Dimethylphthalate
Concen: 8.594 ng
RT: 13.915 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:163 Resp: 198878
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 9.9 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 8.261 ng

RT: 14.021 min Scan# 11

Delta R.T. -0.012 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

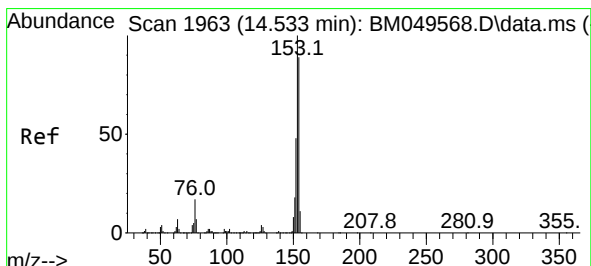
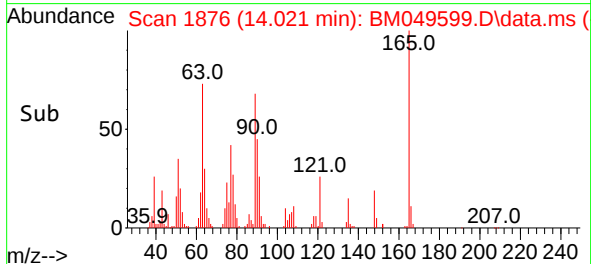
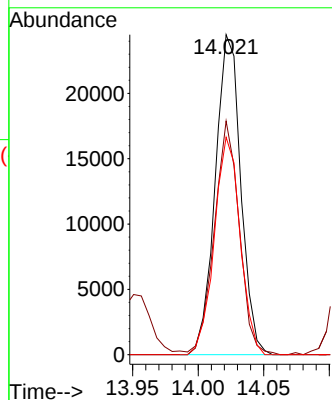
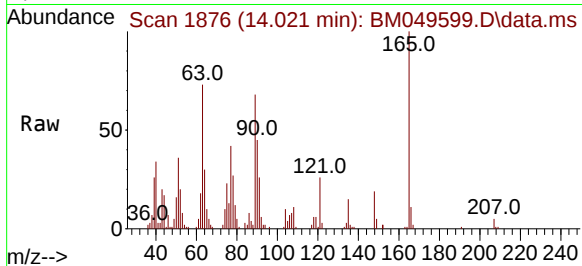
Tgt Ion:165 Resp: 33079

Ion Ratio Lower Upper

165 100

63 73.0 47.8 71.6#

89 68.0 49.2 73.8



#52

Acenaphthene

Concen: 8.799 ng

RT: 14.521 min Scan# 1961

Delta R.T. -0.012 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

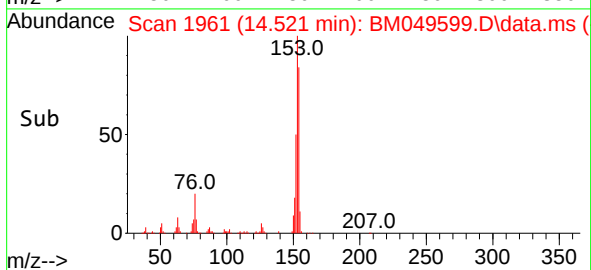
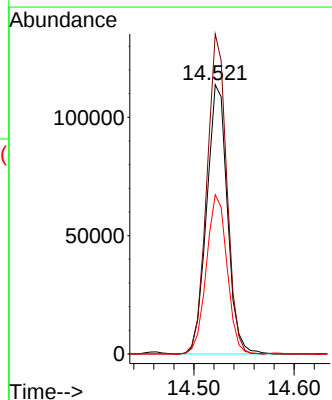
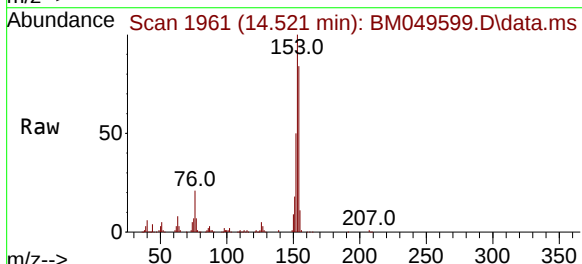
Tgt Ion:154 Resp: 163790

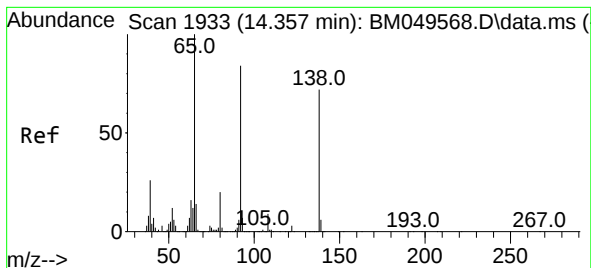
Ion Ratio Lower Upper

154 100

153 118.8 90.0 135.0

152 59.1 43.0 64.4

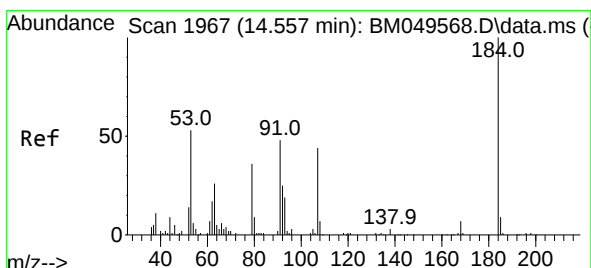
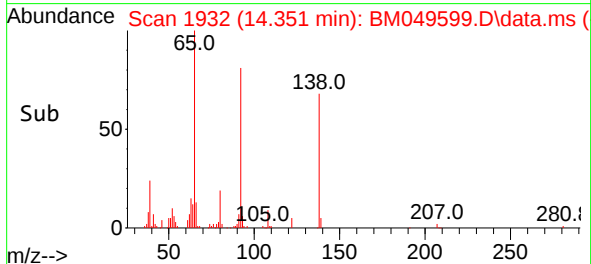
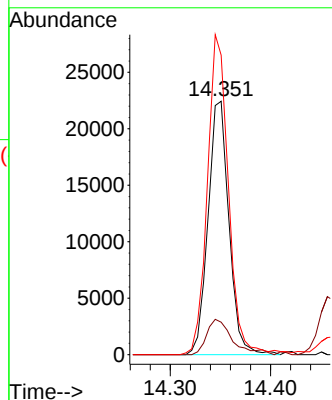
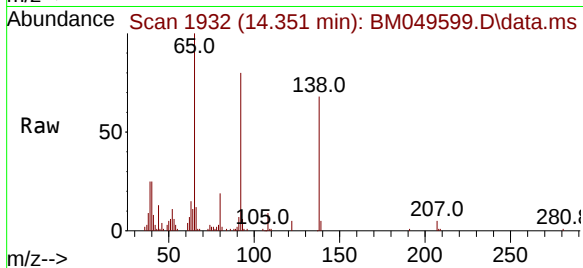




#53
3-Nitroaniline
Concen: 7.998 ng
RT: 14.351 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

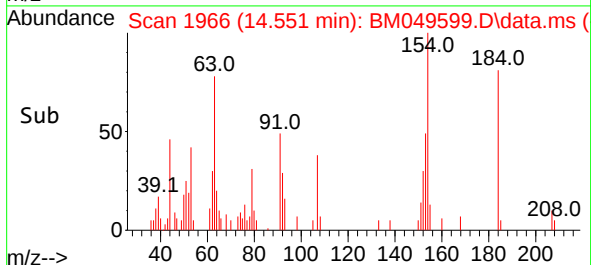
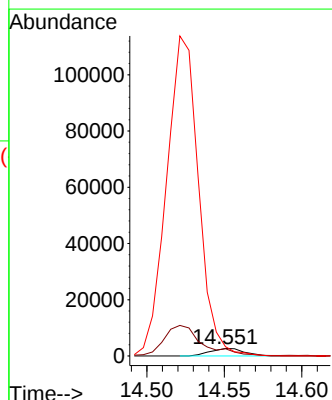
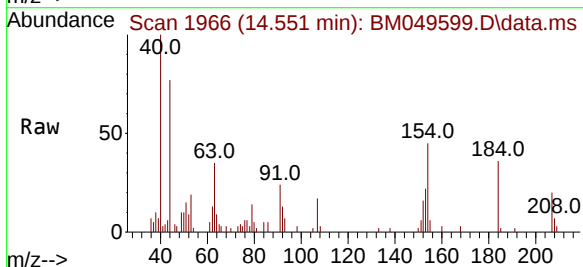
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

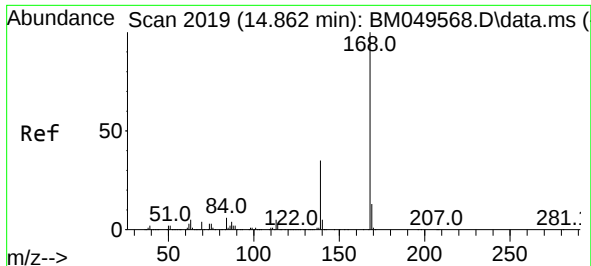
Tgt Ion:138 Resp: 32607
Ion Ratio Lower Upper
138 100
108 12.8 10.3 15.5
92 118.2 93.6 140.4



#54
2,4-Dinitrophenol
Concen: 8.751 ng
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:184 Resp: 4046
Ion Ratio Lower Upper
184 100
63 96.3 60.2 90.4#
154 124.1 78.2 117.4#

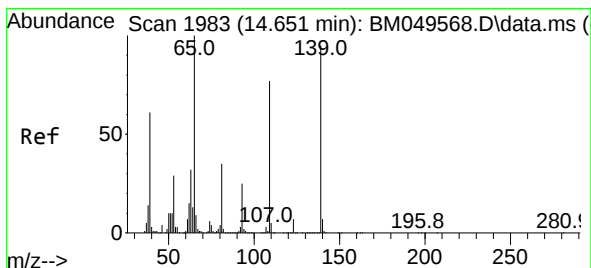
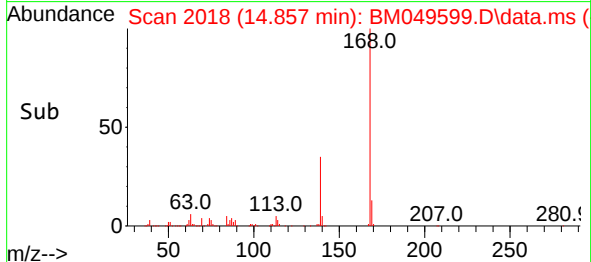
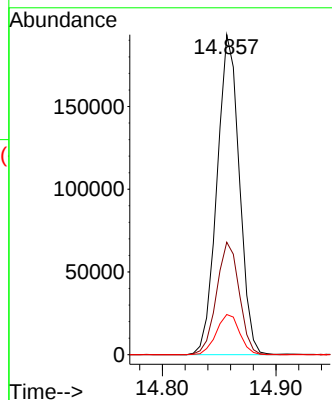
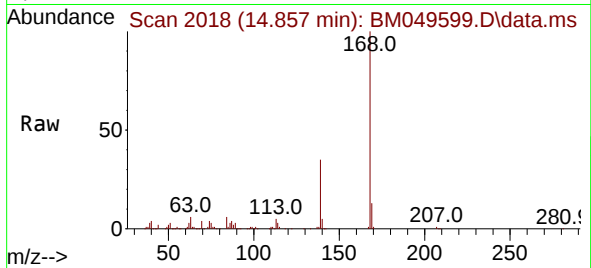




#55
Dibenzofuran
Concen: 8.915 ng
RT: 14.857 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

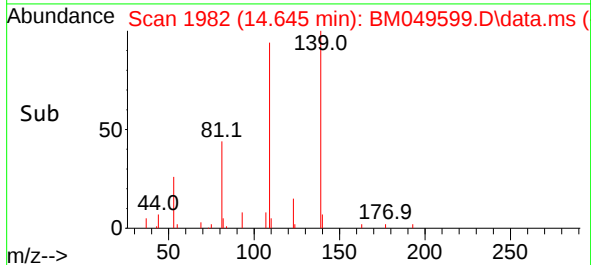
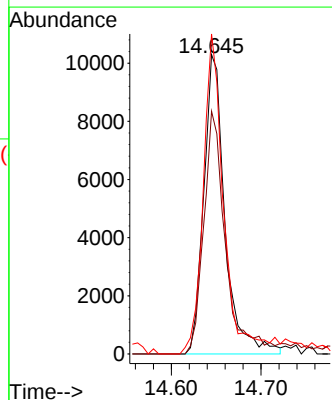
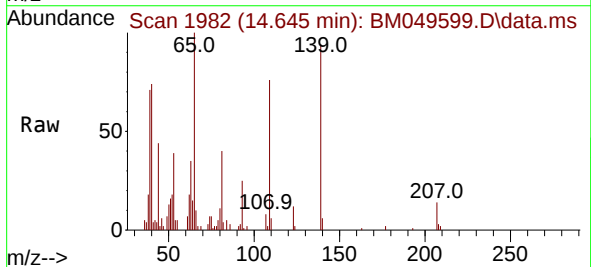
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

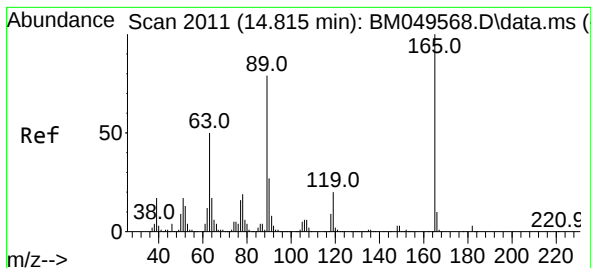
Tgt Ion:168 Resp: 264240
Ion Ratio Lower Upper
168 100
139 35.2 28.4 42.6
169 12.5 10.8 16.2



#56
4-Nitrophenol
Concen: 4.928 ng
RT: 14.645 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:139 Resp: 16936
Ion Ratio Lower Upper
139 100
109 81.0 61.4 101.4
65 106.9 85.6 125.6





#57

2,4-Dinitrotoluene

Concen: 9.730 ng

RT: 14.810 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:165 Resp: 35692

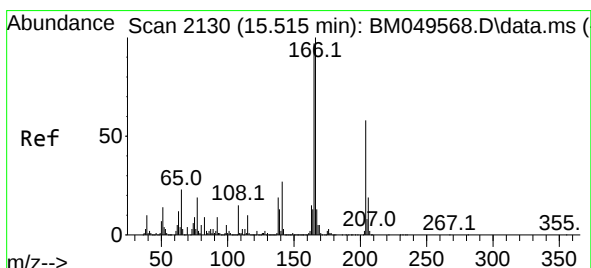
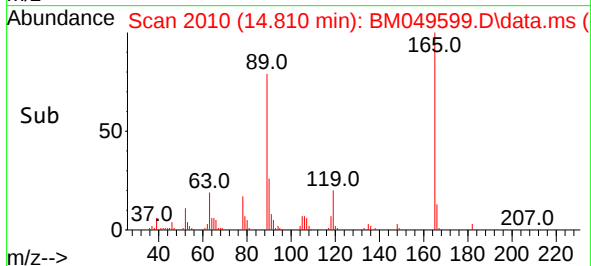
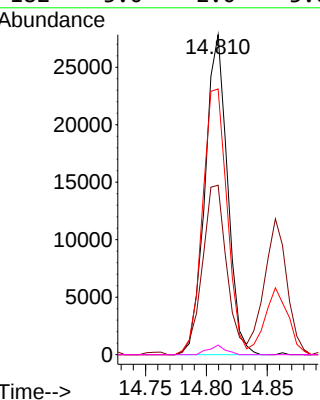
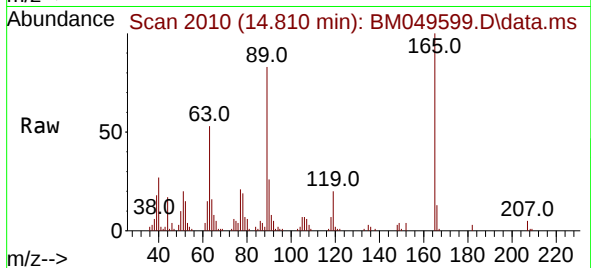
Ion Ratio Lower Upper

165 100

63 53.0 39.8 59.6

89 83.1 63.5 95.3

182 3.0 2.0 3.0



#58

Fluorene

Concen: 8.283 ng

RT: 15.504 min Scan# 2128

Delta R.T. -0.012 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

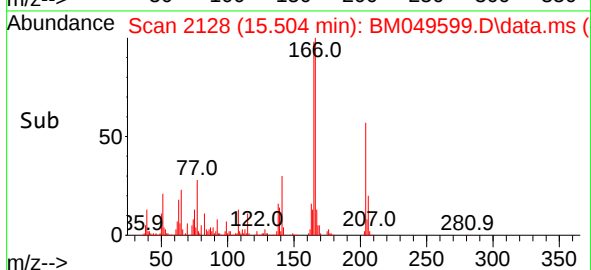
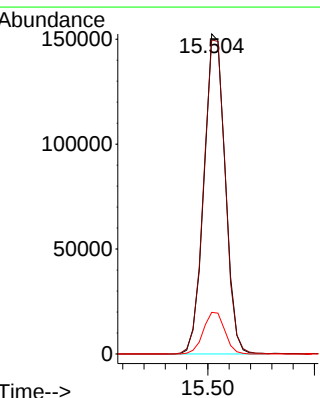
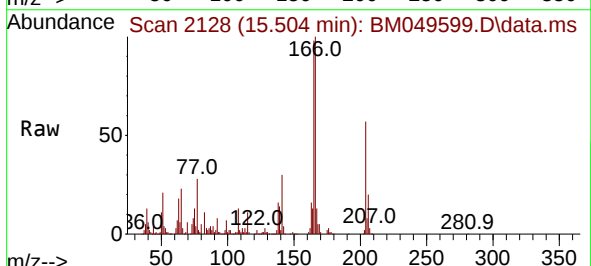
Tgt Ion:166 Resp: 210025

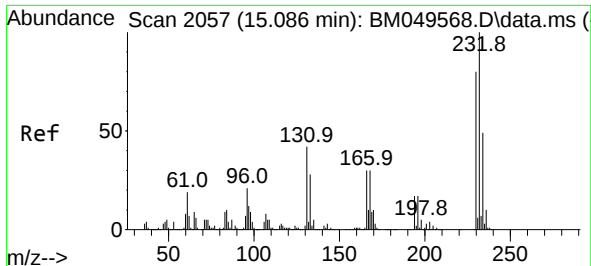
Ion Ratio Lower Upper

166 100

165 98.2 77.7 116.5

167 13.0 10.7 16.1

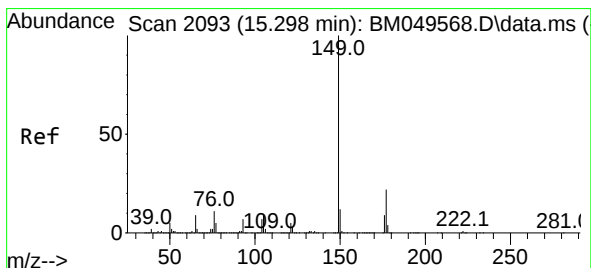
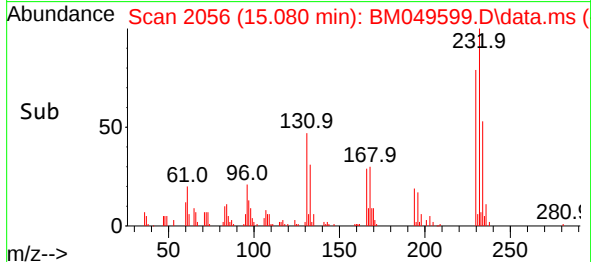
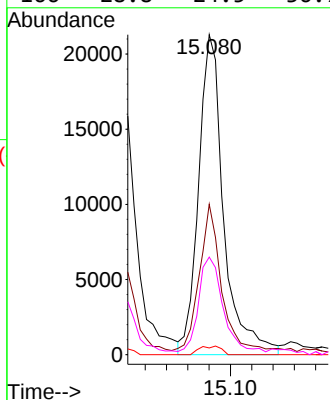
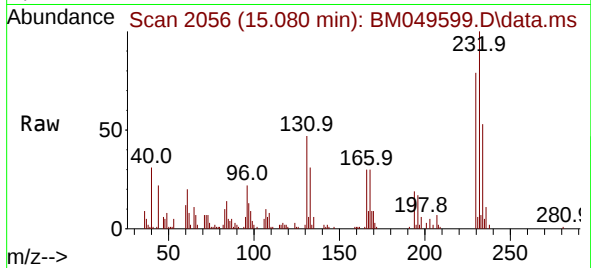




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.509 ng
RT: 15.080 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

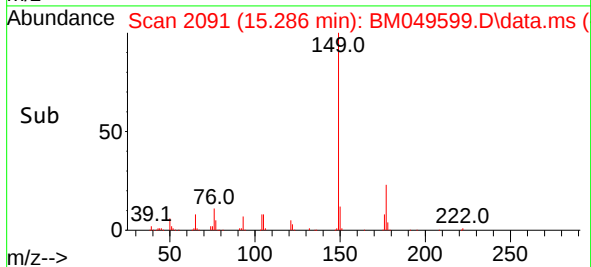
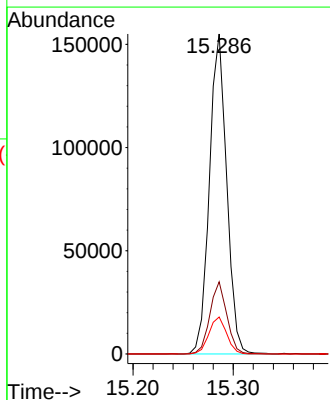
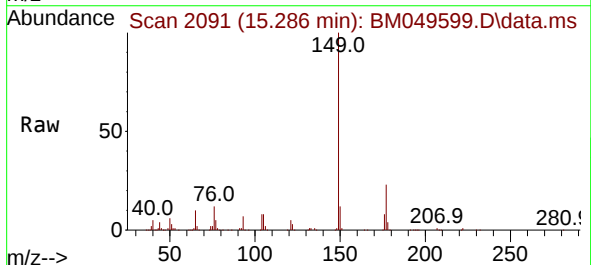
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

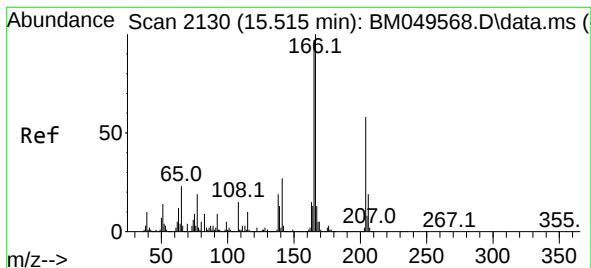
Tgt Ion:	232	Resp:	34936
Ion	Ratio	Lower	Upper
232	100		
131	41.8	34.5	51.7
130	2.3	1.9	2.9
166	28.8	24.5	36.7



#60
Diethylphthalate
Concen: 7.984 ng
RT: 15.286 min Scan# 2091
Delta R.T. -0.012 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:	149	Resp:	185682
Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	11.6	9.7	14.5

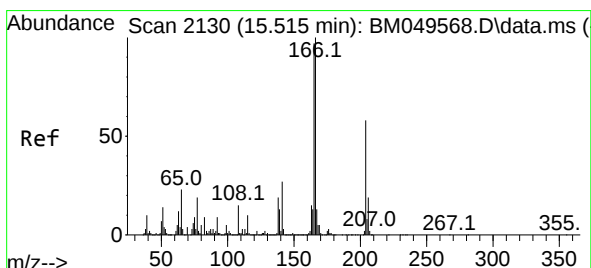
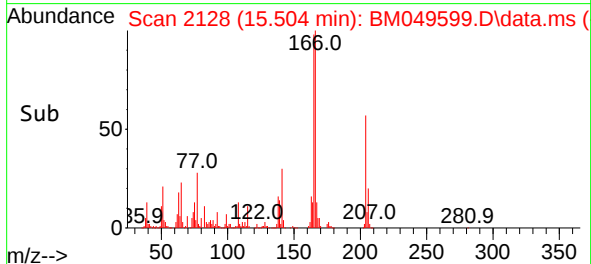
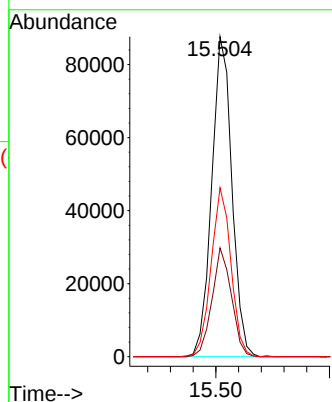
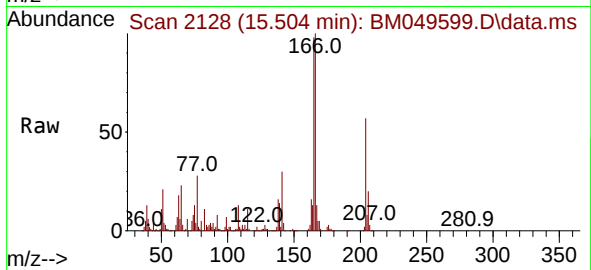




#61
4-Chlorophenyl-phenylether
Concen: 8.005 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.012 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

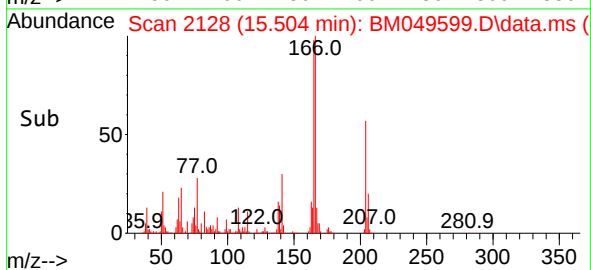
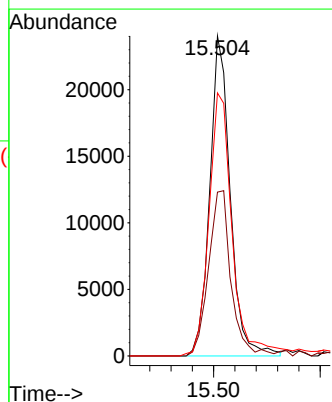
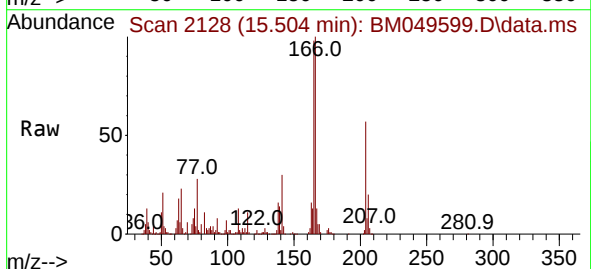
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

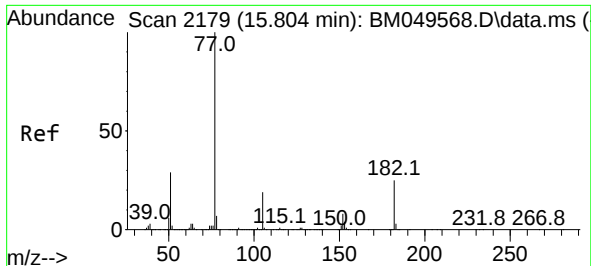
Tgt Ion:204 Resp: 108035
Ion Ratio Lower Upper
204 100
206 34.0 26.0 39.0
141 52.8 37.1 55.7



#62
4-Nitroaniline
Concen: 9.775 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.012 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:138 Resp: 32183
Ion Ratio Lower Upper
138 100
92 51.2 29.3 69.3
108 82.2 60.1 100.1

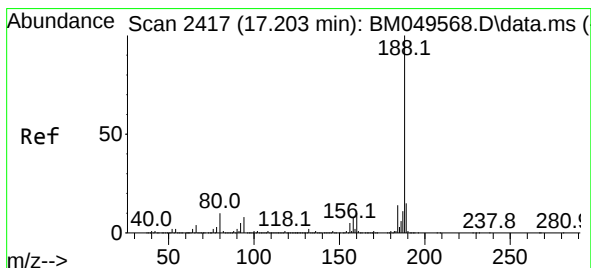
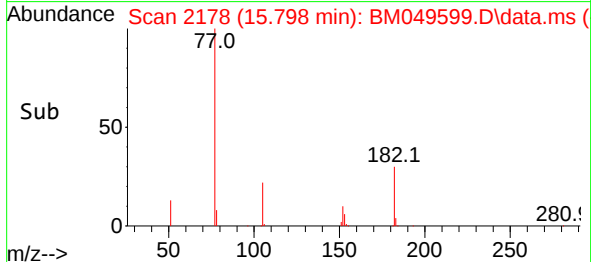
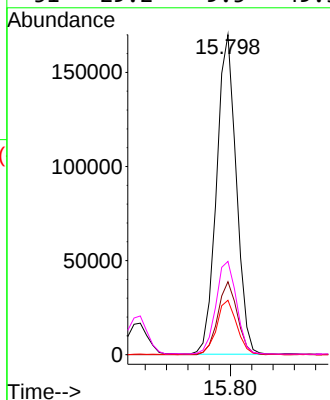
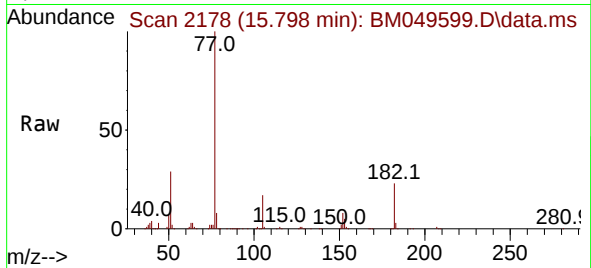




#63
Azobenzene
Concen: 8.965 ng
RT: 15.798 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

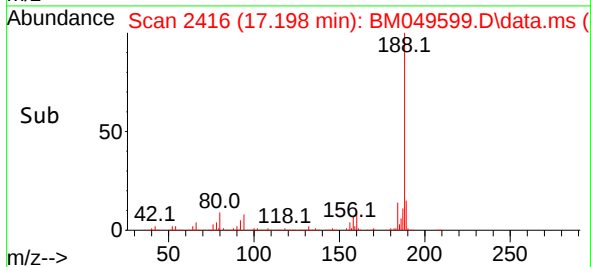
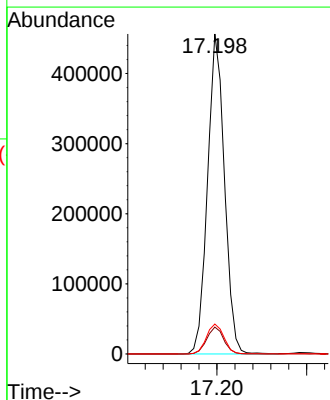
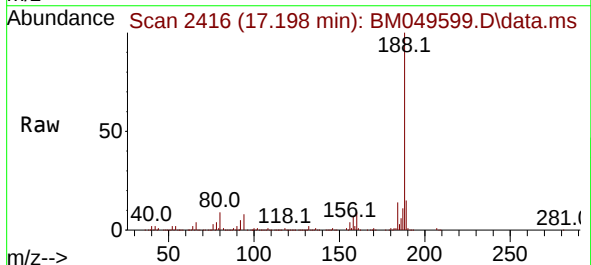
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

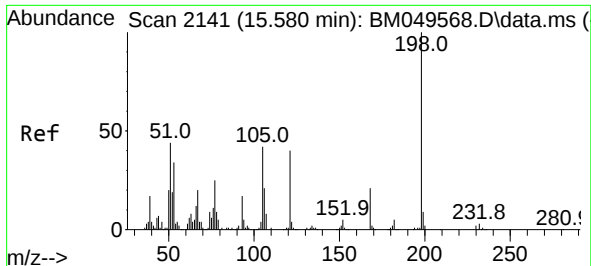
Tgt Ion: 77	Resp: 217636
Ion Ratio	Lower Upper
77 100	
182 22.8	4.7 44.7
105 17.0	0.0 39.3
51 29.2	9.5 49.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:188	Resp: 597394		
Ion Ratio	Lower	Upper	
188 100			
94 8.4	6.7	10.1	
80 9.4	7.7	11.5	

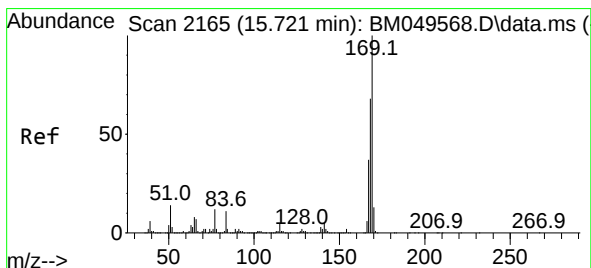
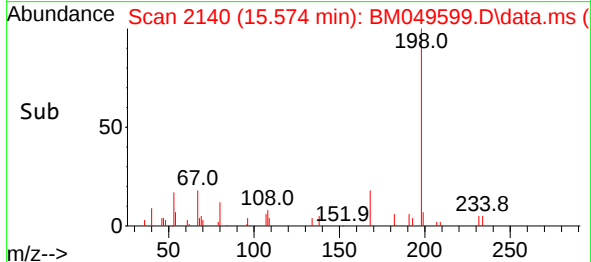
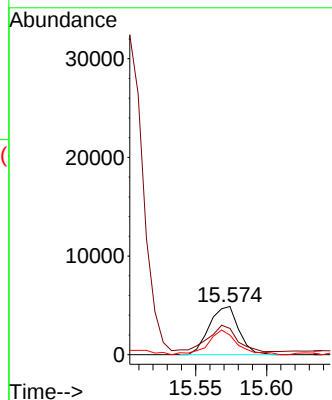
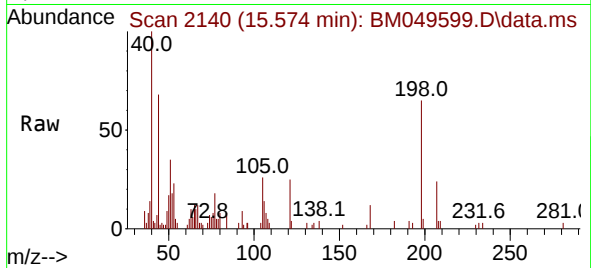




#65
4,6-Dinitro-2-methylphenol
Concen: 9.491 ng
RT: 15.574 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

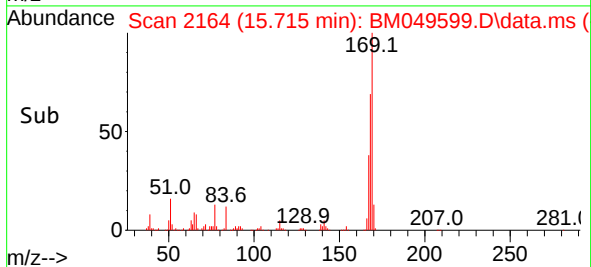
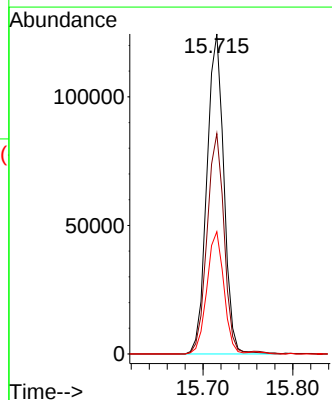
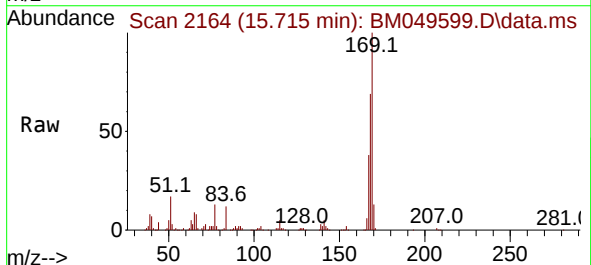
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

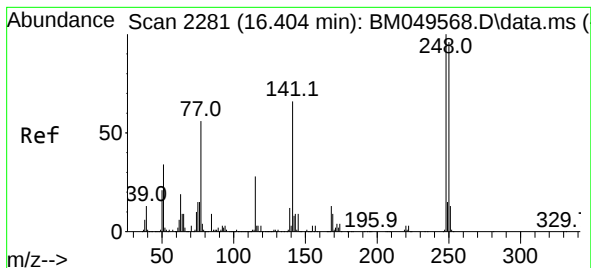
Tgt Ion	Ratio	Lower	Upper
198	100		
51	54.5	26.9	66.9
105	40.6	22.8	62.8



#66
n-Nitrosodiphenylamine
Concen: 8.672 ng
RT: 15.715 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.9	54.2	81.4
167	38.2	29.5	44.3





#67

4-Bromophenyl-phenylether

Concen: 8.251 ng

RT: 16.398 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

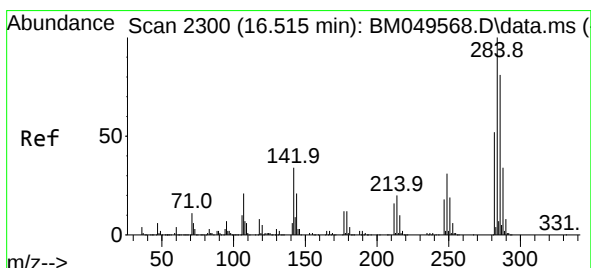
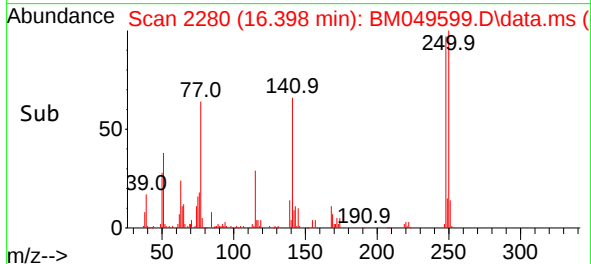
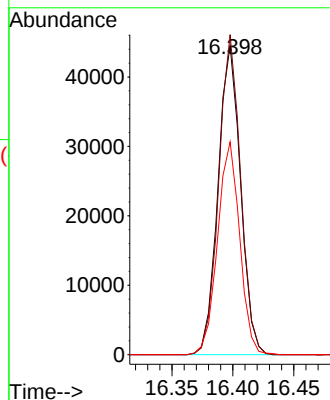
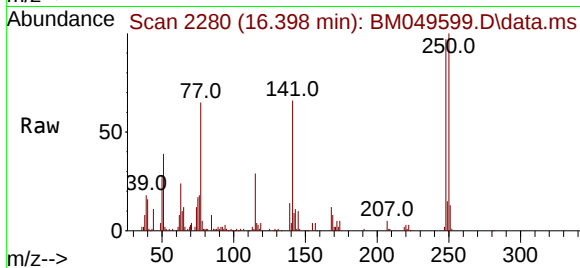
Tgt Ion:248 Resp: 57262

Ion Ratio Lower Upper

248 100

250 103.5 77.0 115.4

141 68.8 53.0 79.4



#68

Hexachlorobenzene

Concen: 8.807 ng

RT: 16.509 min Scan# 2299

Delta R.T. -0.006 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

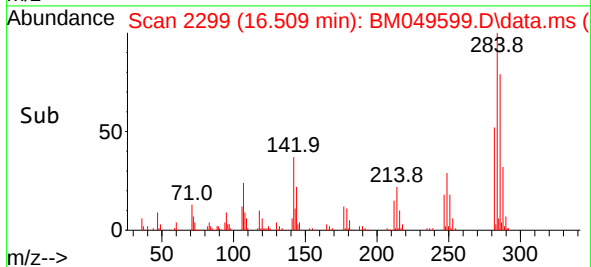
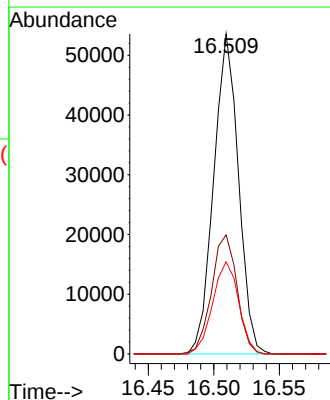
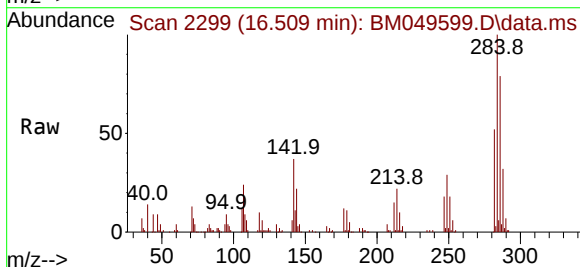
Tgt Ion:284 Resp: 70155

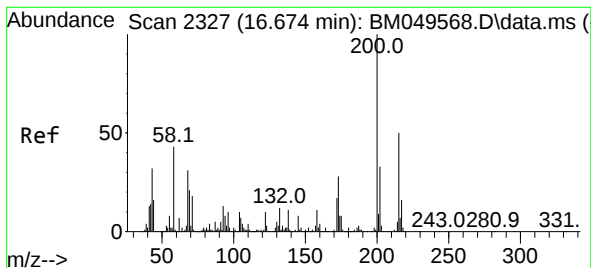
Ion Ratio Lower Upper

284 100

142 37.2 27.1 40.7

249 28.8 24.6 36.8





#69

Atrazine

Concen: 8.134 ng

RT: 16.668 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

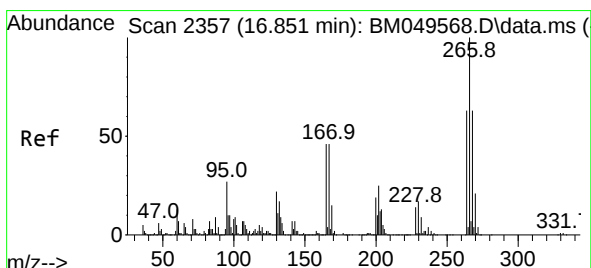
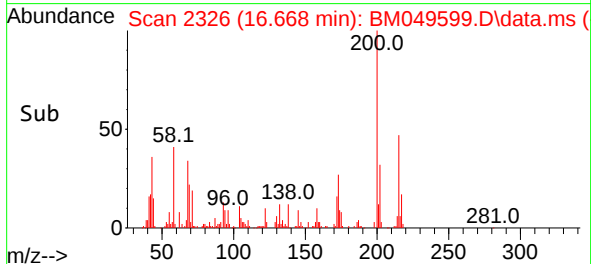
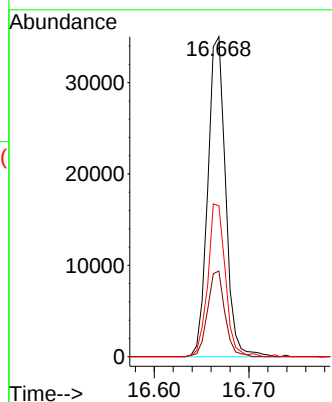
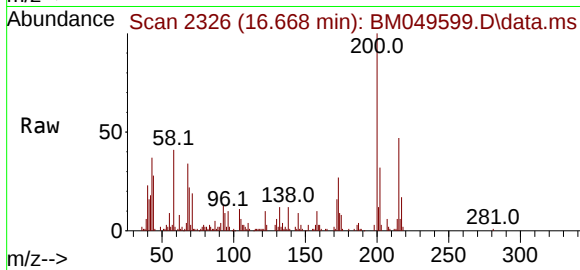
Tgt Ion:200 Resp: 45555

Ion Ratio Lower Upper

200 100

173 26.8 7.6 47.6

215 47.1 30.2 70.2



#70

Pentachlorophenol

Concen: 10.856 ng

RT: 16.845 min Scan# 2356

Delta R.T. -0.006 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

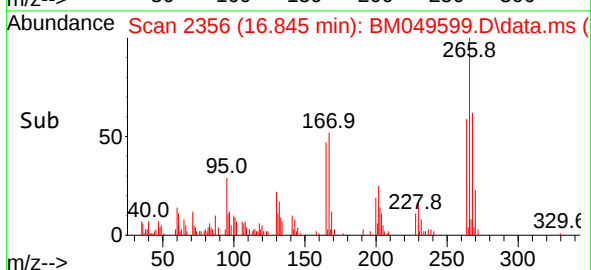
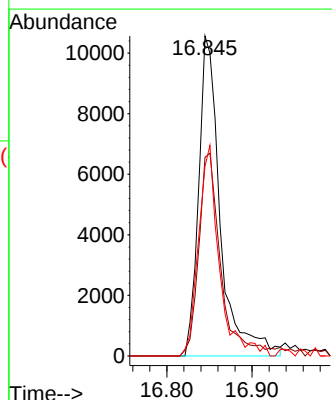
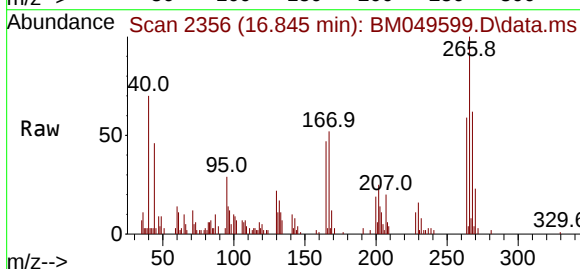
Tgt Ion:266 Resp: 18701

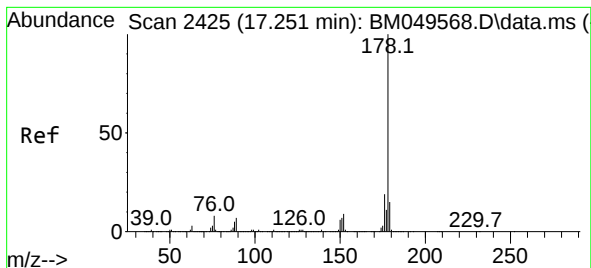
Ion Ratio Lower Upper

266 100

268 62.1 50.8 76.2

264 59.3 50.0 75.0





#71

Phenanthrene

Concen: 8.951 ng

RT: 17.239 min Scan# 2423

Delta R.T. -0.012 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

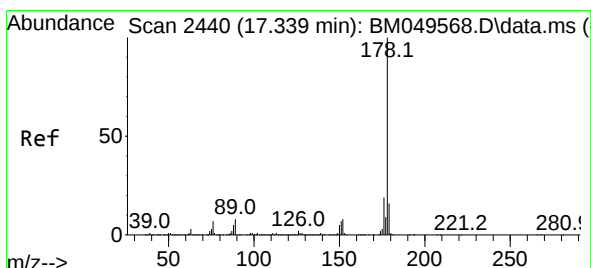
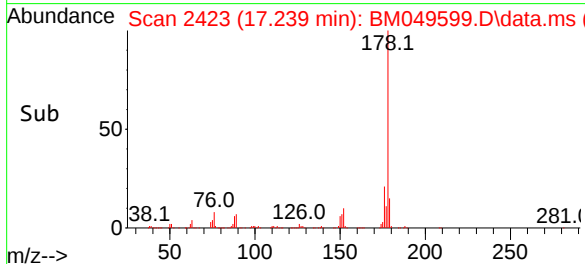
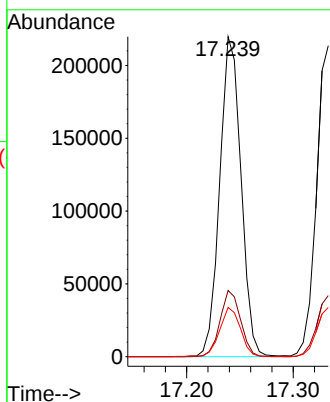
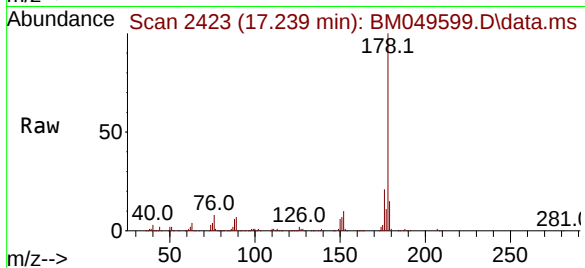
Tgt Ion:178 Resp: 304647

Ion Ratio Lower Upper

178 100

176 20.7 15.5 23.3

179 15.4 12.2 18.2



#72

Anthracene

Concen: 8.764 ng

RT: 17.333 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

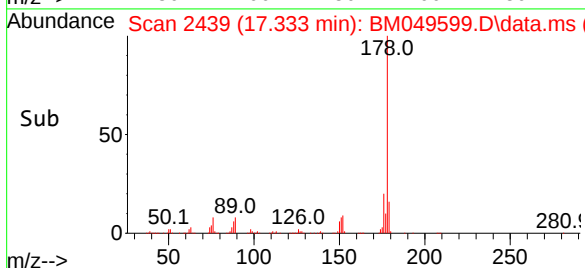
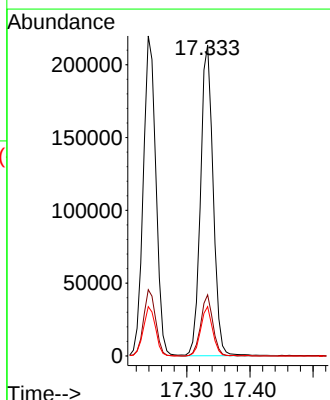
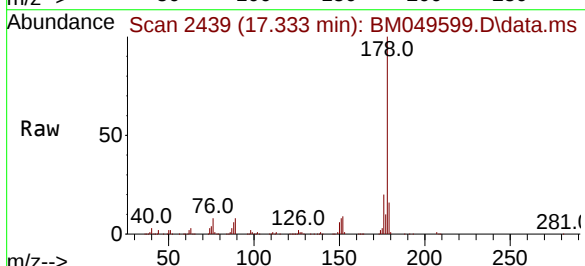
Tgt Ion:178 Resp: 295339

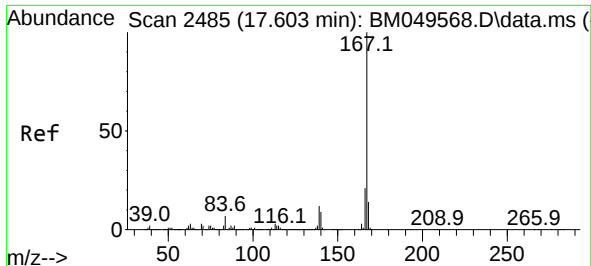
Ion Ratio Lower Upper

178 100

176 19.7 15.2 22.8

179 15.9 12.4 18.6

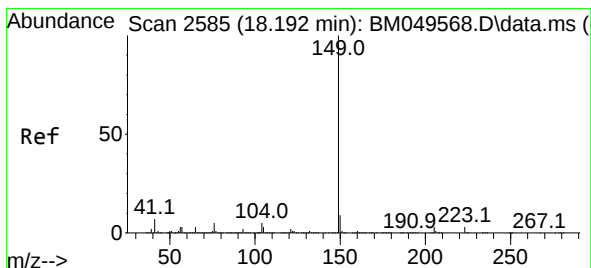
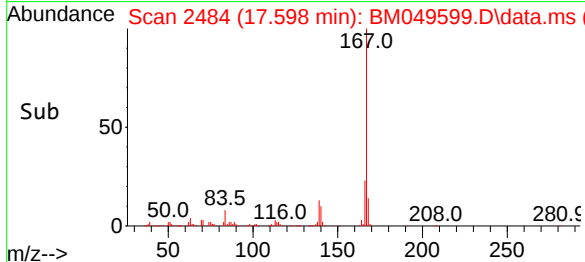
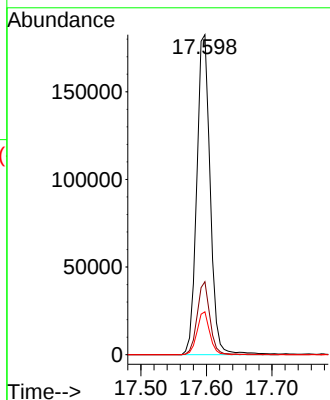
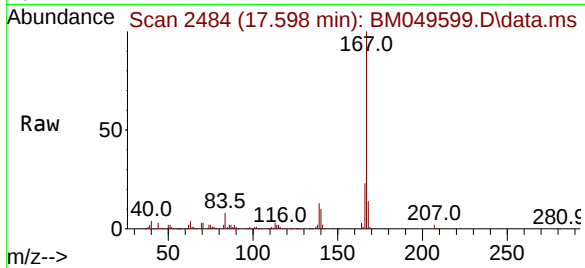




#73
 Carbazole
 Concen: 8.817 ng
 RT: 17.598 min Scan# 2484
 Delta R.T. -0.006 min
 Lab File: BM049599.D
 Acq: 07 Feb 2025 12:55

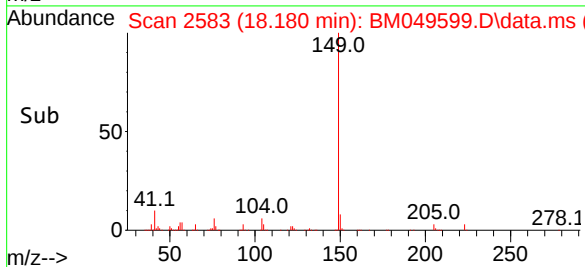
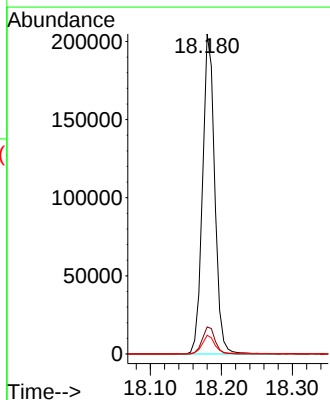
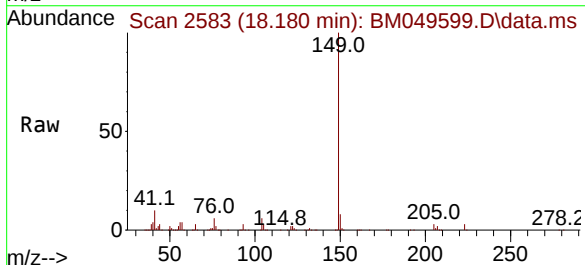
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

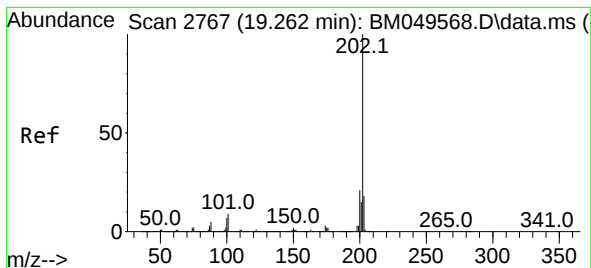
Tgt Ion:167 Resp: 260782
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.2 25.8
 139 13.4 9.6 14.4



#74
 Di-n-butylphthalate
 Concen: 6.523 ng
 RT: 18.180 min Scan# 2583
 Delta R.T. -0.012 min
 Lab File: BM049599.D
 Acq: 07 Feb 2025 12:55

Tgt Ion:149 Resp: 244795
 Ion Ratio Lower Upper
 149 100
 150 8.5 7.4 11.0
 104 5.9 4.1 6.1





#75

Fluoranthene

Concen: 7.727 ng

RT: 19.256 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

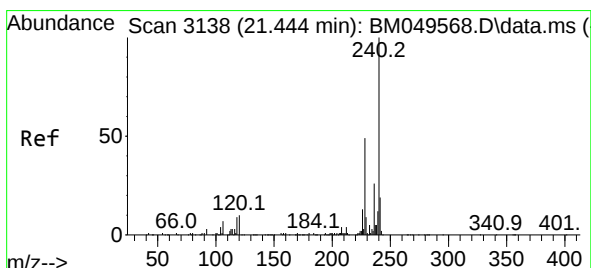
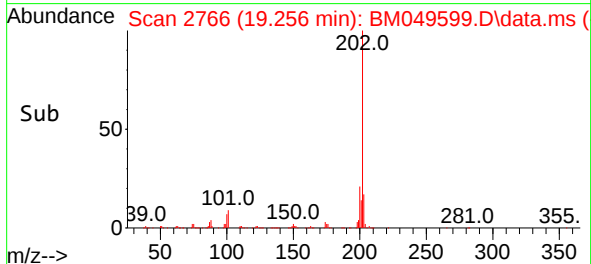
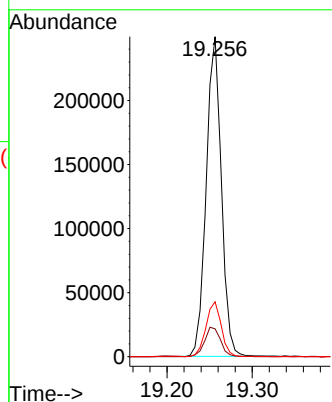
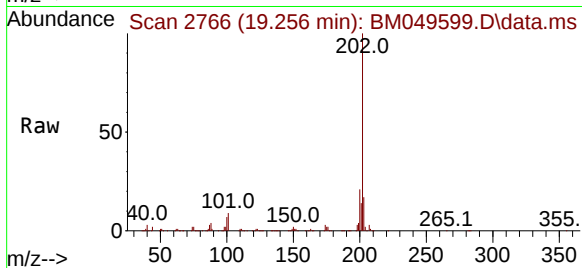
Tgt Ion:202 Resp: 307871

Ion Ratio Lower Upper

202 100

101 8.7 0.0 29.1

203 17.2 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: BM049599.D

Acq: 07 Feb 2025 12:55

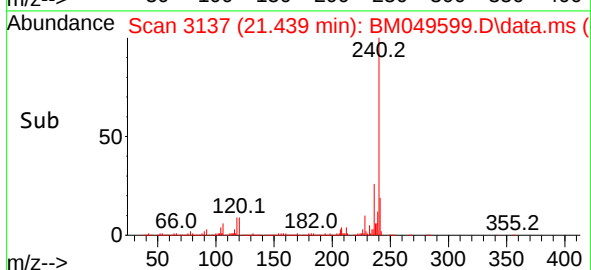
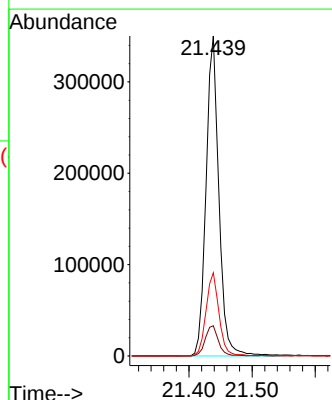
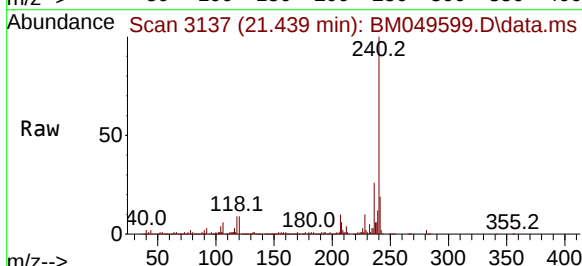
Tgt Ion:240 Resp: 494073

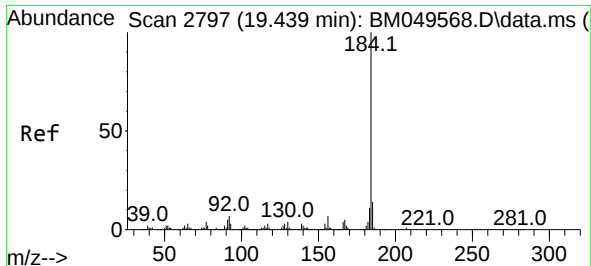
Ion Ratio Lower Upper

240 100

120 9.5 7.8 11.8

236 26.0 20.6 31.0

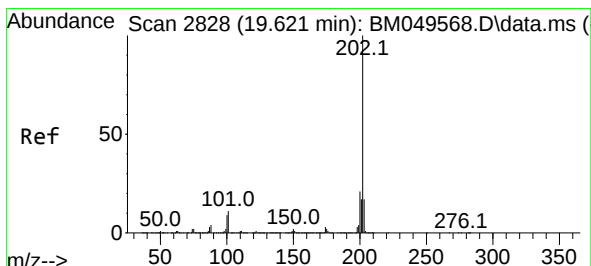
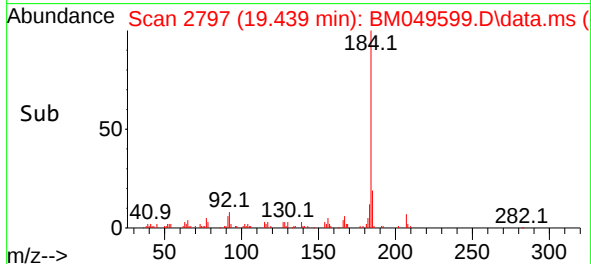
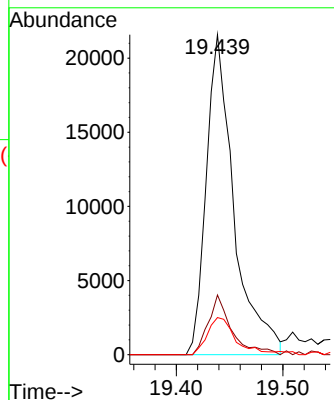
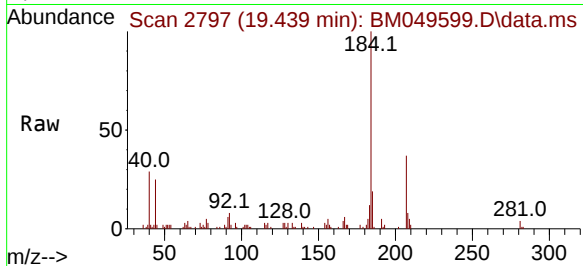




#77
Benzidine
Concen: 8.905 ng
RT: 19.439 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

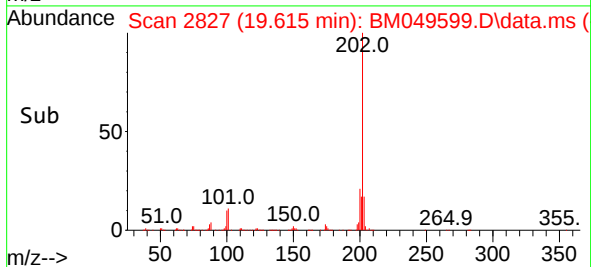
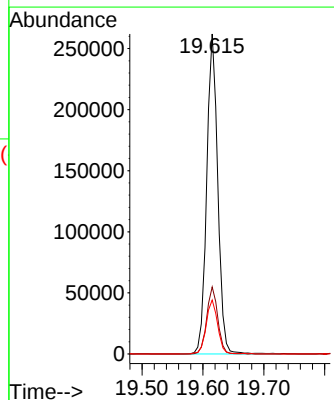
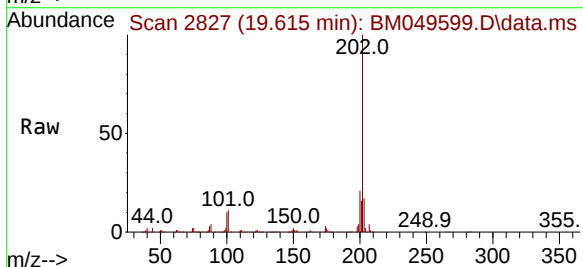
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

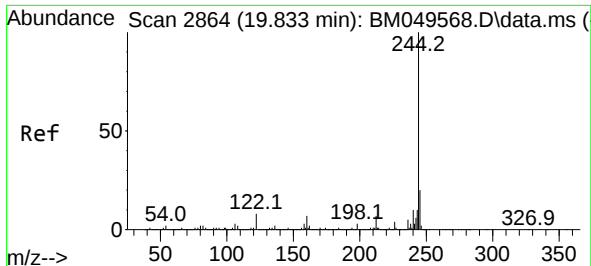
Tgt Ion	184	185	183
Resp	38962	18.7	11.6
Ratio	100	11.6	8.9
Lower		11.6	8.9
Upper		17.4	13.3



#78
Pyrene
Concen: 8.926 ng
RT: 19.615 min Scan# 2827
Delta R.T. -0.006 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion	202	200	203
Resp	330198	21.0	16.8
Ratio	100	16.8	13.8
Lower		16.8	13.8
Upper		25.2	20.8

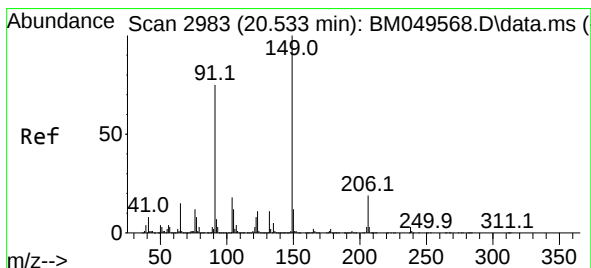
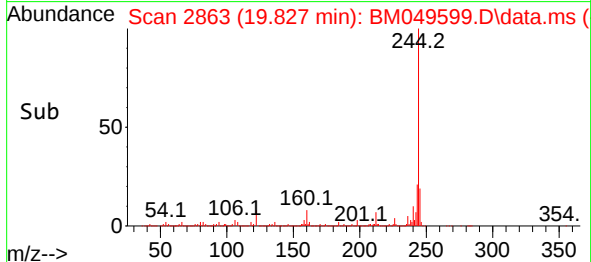
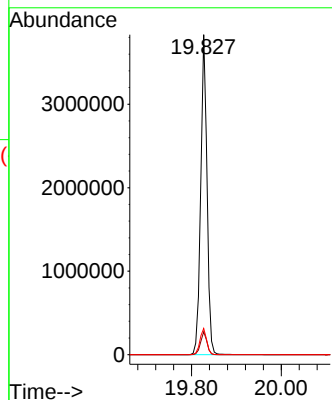
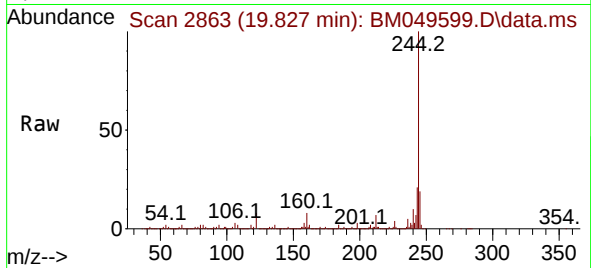




#79
 Terphenyl-d14
 Concen: 114.914 ng
 RT: 19.827 min Scan# 2863
 Delta R.T. -0.006 min
 Lab File: BM049599.D
 Acq: 07 Feb 2025 12:55

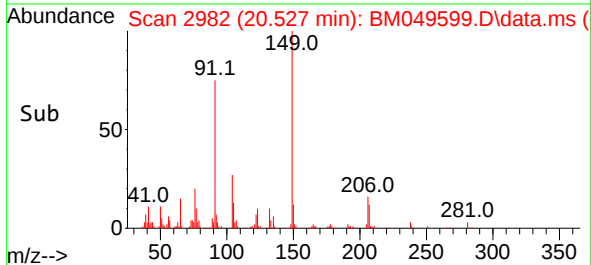
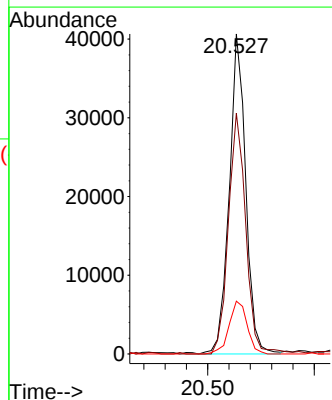
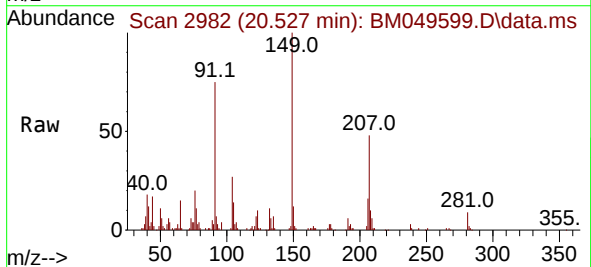
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

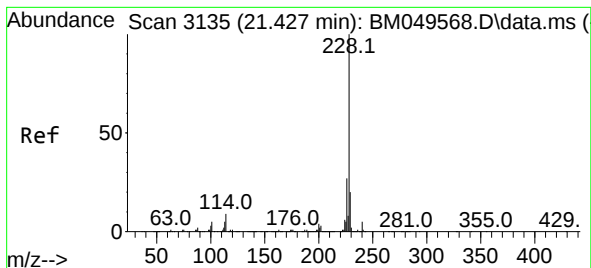
Tgt Ion:244 Resp: 3718044
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 8.2 6.2 9.2



#80
 Butylbenzylphthalate
 Concen: 3.804 ng
 RT: 20.527 min Scan# 2982
 Delta R.T. -0.006 min
 Lab File: BM049599.D
 Acq: 07 Feb 2025 12:55

Tgt Ion:149 Resp: 43788
 Ion Ratio Lower Upper
 149 100
 91 75.2 60.2 90.2
 206 16.5 15.4 23.0





#81

Benzo(a)anthracene

Concen: 8.740 ng

RT: 21.421 min Scan# 3135

Delta R.T. -0.006 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

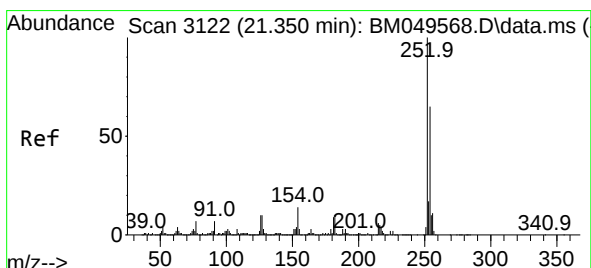
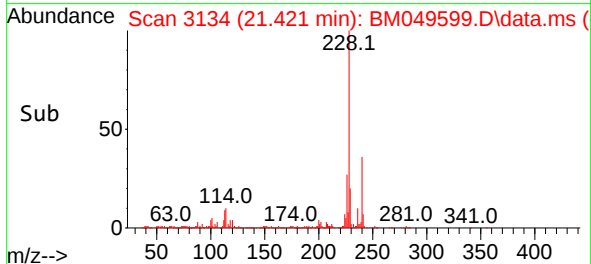
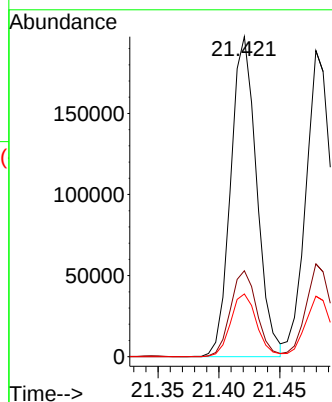
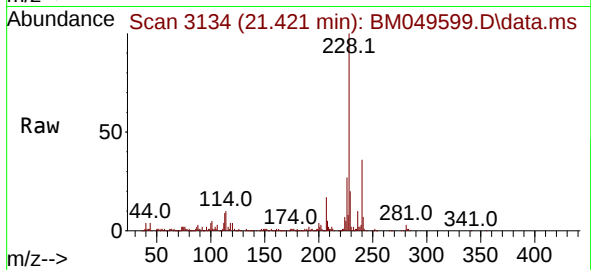
Tgt Ion:228 Resp: 292669

Ion Ratio Lower Upper

228 100

226 26.9 22.0 33.0

229 19.6 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 5.912 ng

RT: 21.344 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

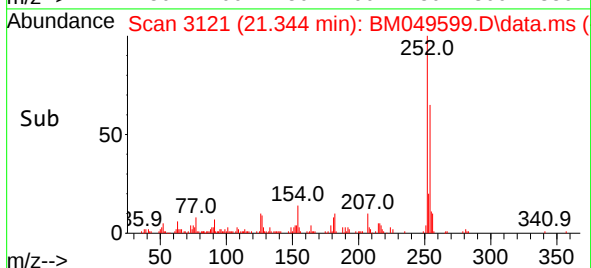
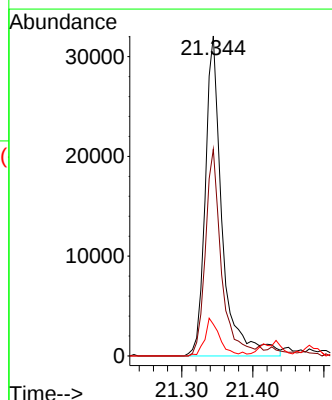
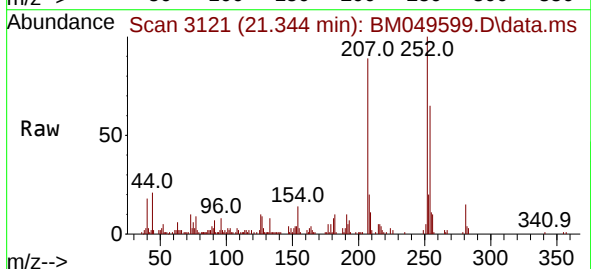
Tgt Ion:252 Resp: 53273

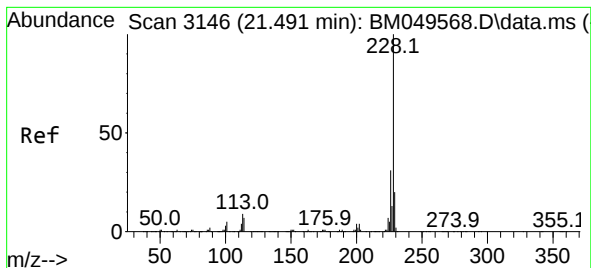
Ion Ratio Lower Upper

252 100

254 64.6 52.1 78.1

126 9.9 7.8 11.6





#83

Chrysene

Concen: 9.143 ng

RT: 21.480 min Scan# 3144

Delta R.T. -0.012 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

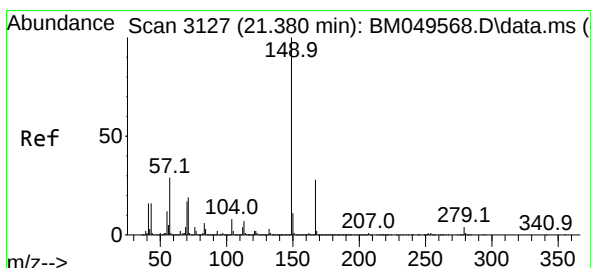
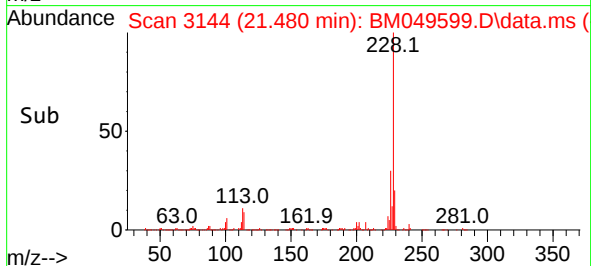
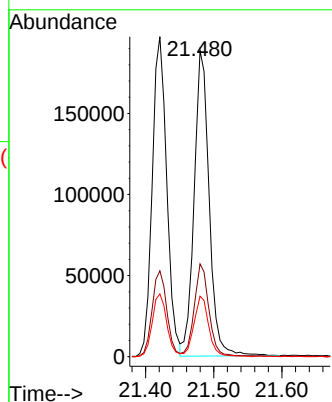
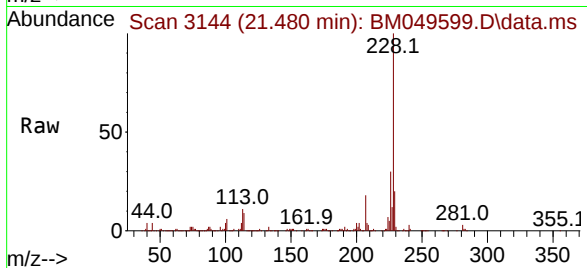
Tgt Ion:228 Resp: 286815

Ion Ratio Lower Upper

228 100

226 30.3 24.5 36.7

229 19.8 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.516 ng

RT: 21.374 min Scan# 3126

Delta R.T. -0.006 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

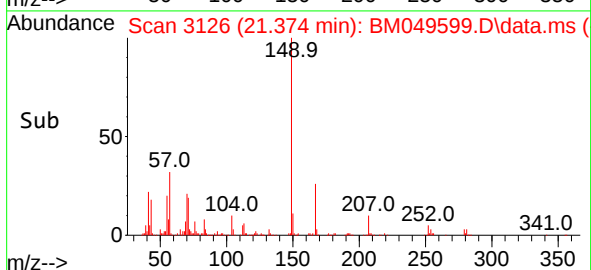
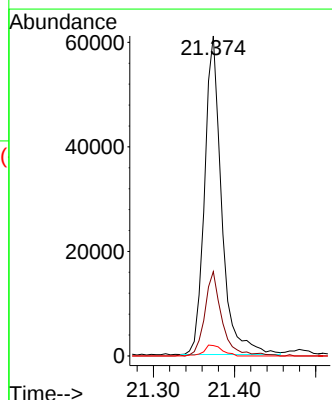
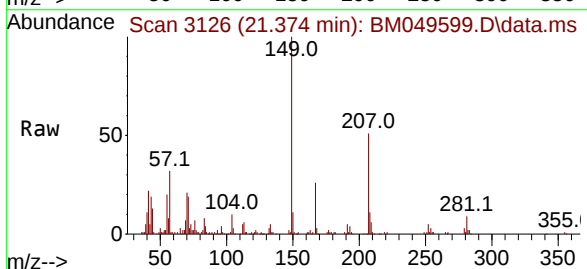
Tgt Ion:149 Resp: 89129

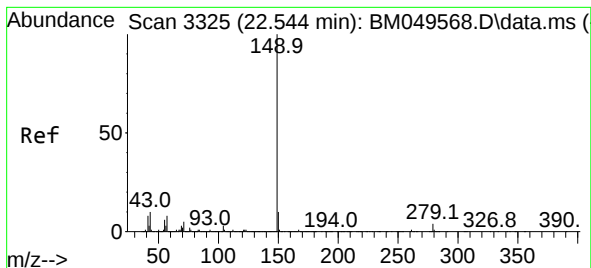
Ion Ratio Lower Upper

149 100

167 26.4 22.1 33.1

279 3.3 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 3.387 ng

RT: 22.527 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

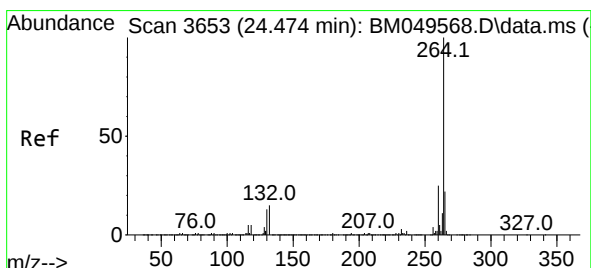
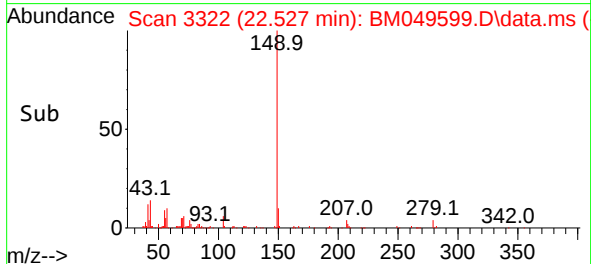
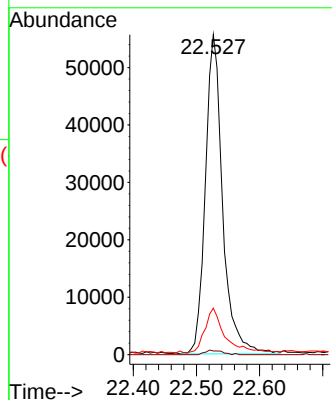
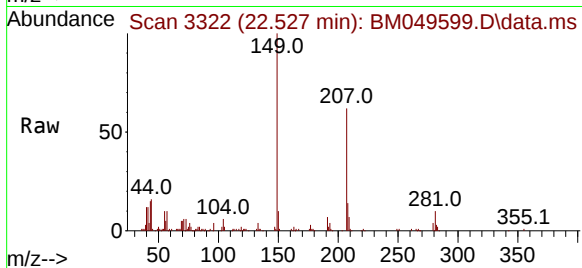
Tgt Ion:149 Resp: 105442

Ion Ratio Lower Upper

149 100

167 1.4 1.2 1.8

43 15.9 8.5 12.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.462 min Scan# 3651

Delta R.T. -0.012 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

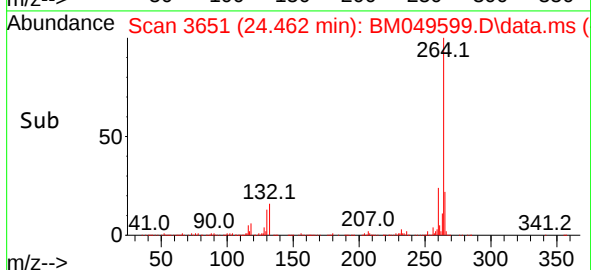
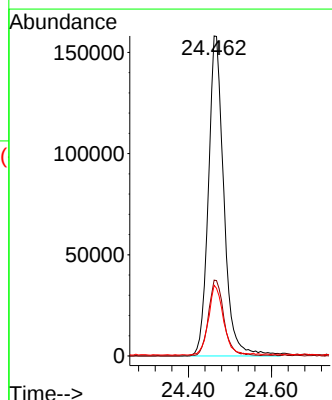
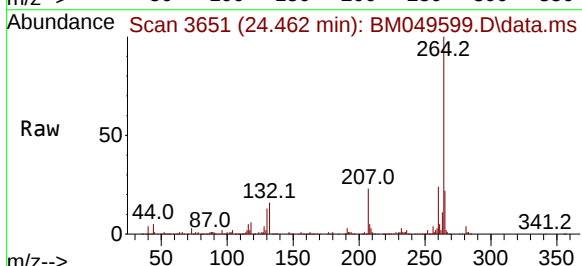
Tgt Ion:264 Resp: 409634

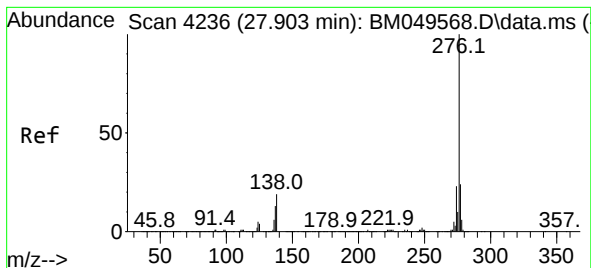
Ion Ratio Lower Upper

264 100

260 23.7 19.8 29.6

265 22.1 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.095 ng

RT: 27.885 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

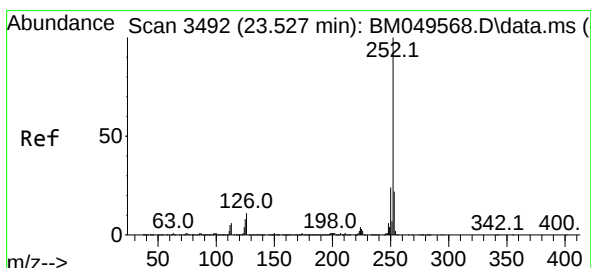
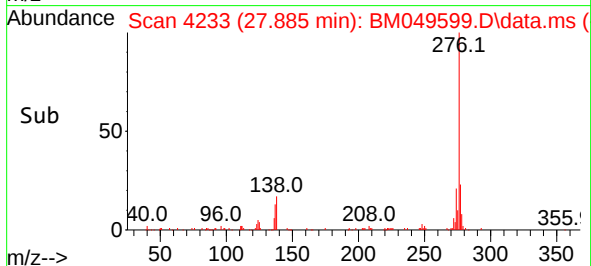
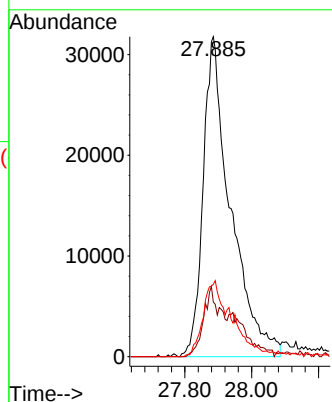
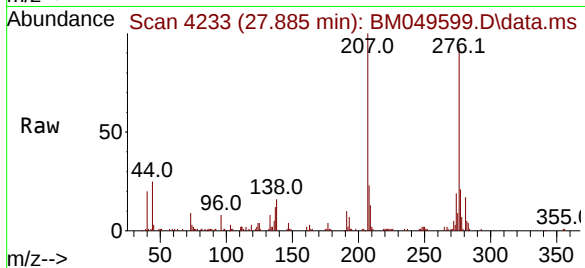
Tgt Ion:276 Resp: 181089

Ion Ratio Lower Upper

276 100

138 9.8 13.1 19.7#

277 16.0 19.9 29.9#



#88

Benzo(b)fluoranthene

Concen: 7.688 ng

RT: 23.509 min Scan# 3489

Delta R.T. -0.018 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

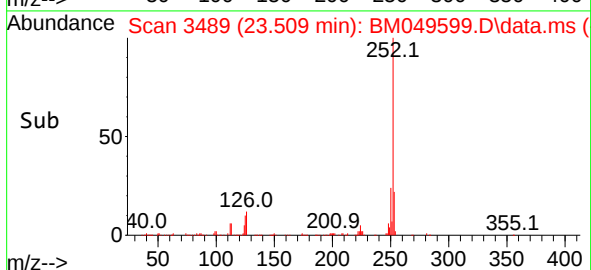
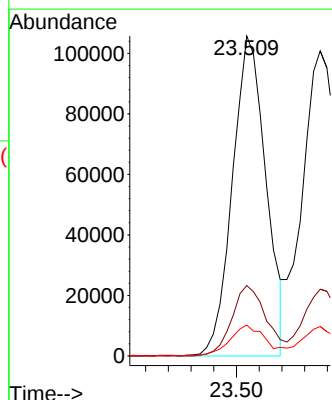
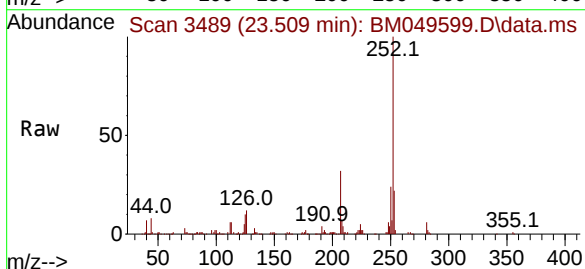
Tgt Ion:252 Resp: 216647

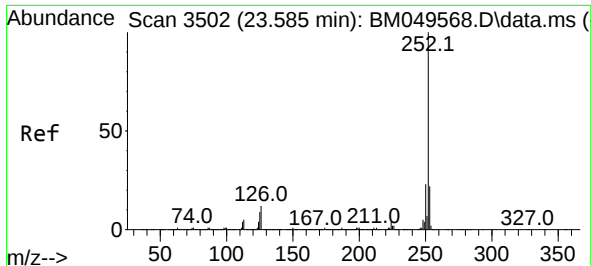
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 9.7 6.6 10.0

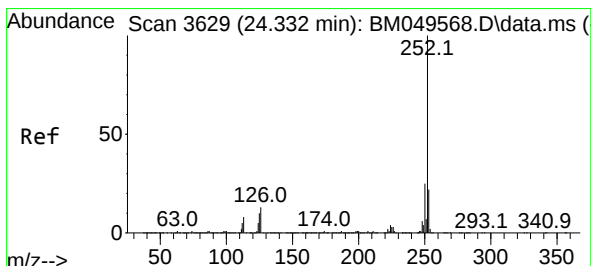
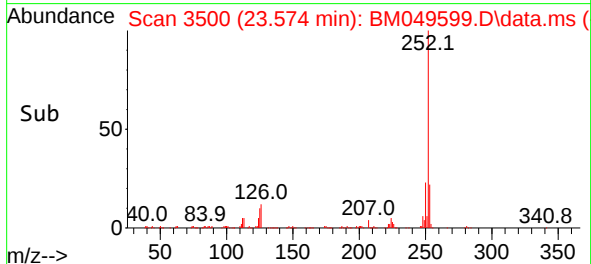
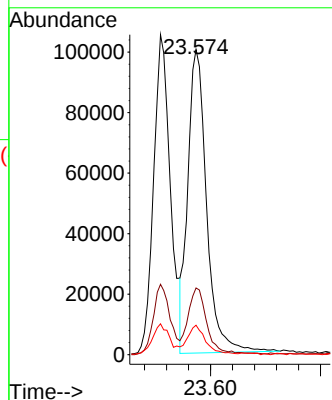
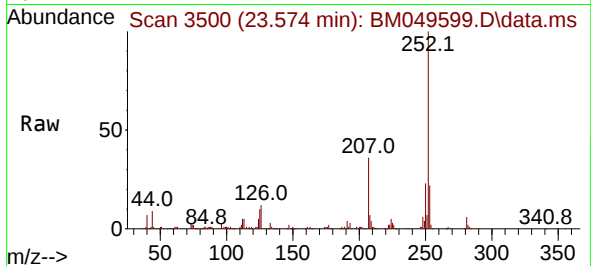




#89
Benzo(k)fluoranthene
Concen: 8.685 ng
RT: 23.574 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

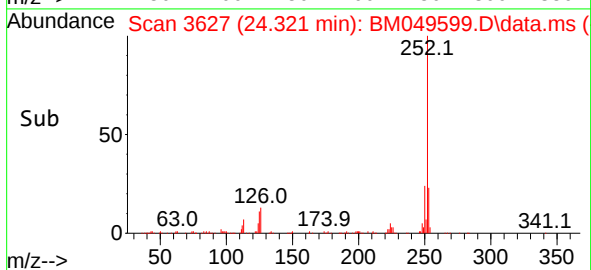
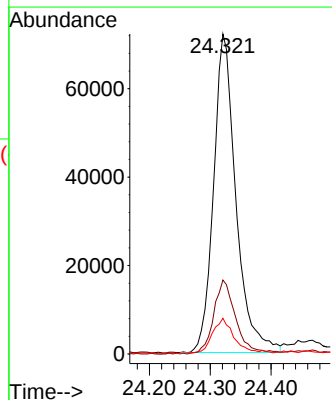
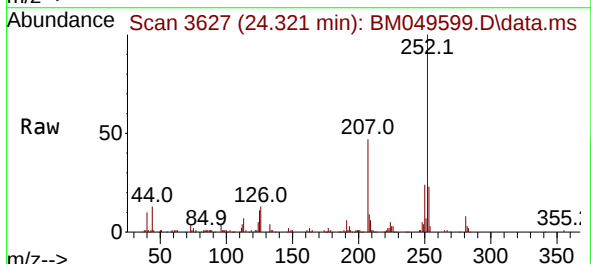
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2025

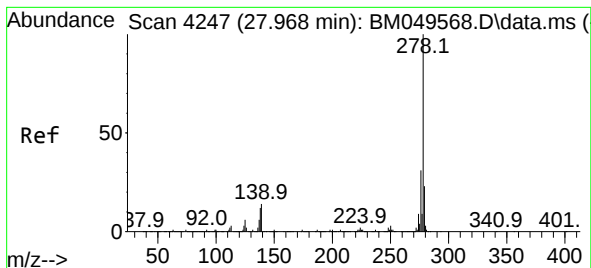
Tgt Ion:252 Resp: 237709
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 9.6 7.0 10.6



#90
Benzo(a)pyrene
Concen: 8.240 ng
RT: 24.321 min Scan# 3627
Delta R.T. -0.012 min
Lab File: BM049599.D
Acq: 07 Feb 2025 12:55

Tgt Ion:252 Resp: 184026
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 11.2 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 7.972 ng

RT: 27.956 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2025

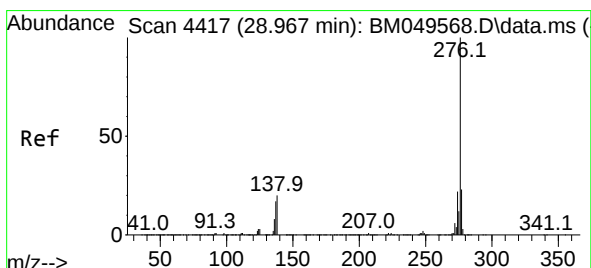
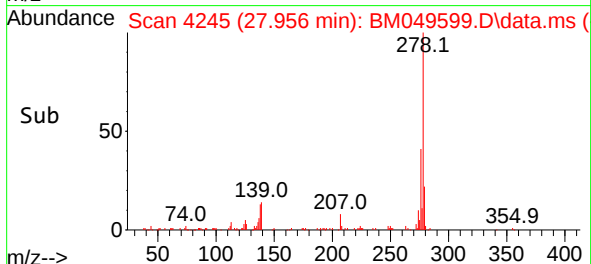
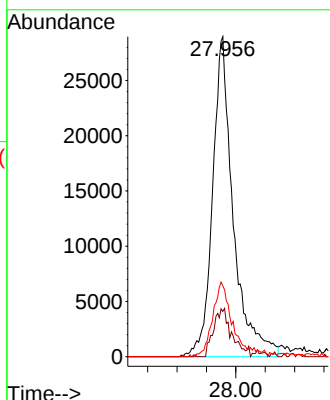
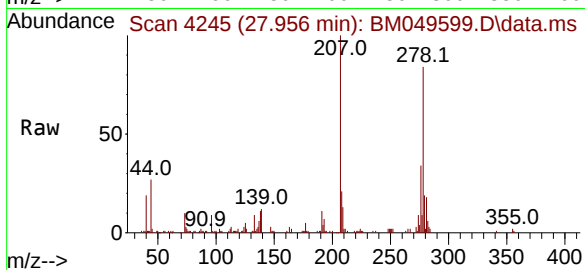
Tgt Ion:278 Resp: 140953

Ion Ratio Lower Upper

278 100

139 14.1 11.5 17.3

279 22.2 18.2 27.2



#92

Benzo(g,h,i)perylene

Concen: 7.828 ng

RT: 28.938 min Scan# 4412

Delta R.T. -0.029 min

Lab File: BM049599.D

Acq: 07 Feb 2025 12:55

Tgt Ion:276 Resp: 154611

Ion Ratio Lower Upper

276 100

277 23.4 18.7 28.1

138 18.3 16.0 24.0

