

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071125\
 Data File : BM050412.D
 Acq On : 11 Jul 2025 14:23
 Operator : RC/JU
 Sample : Q2126-01
 Misc : LOD-MDL-SOIL-8 PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

Quant Time: Jul 18 01:31:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 16:20:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	415645	20.000	ng	0.01
21) Naphthalene-d8	10.657	136	1510176	20.000	ng	0.02
39) Acenaphthene-d10	14.492	164	938116	20.000	ng	0.02
64) Phenanthrene-d10	17.221	188	1758539	20.000	ng	0.01
76) Chrysene-d12	21.450	240	1770801	20.000	ng	0.02
86) Perylene-d12	24.485	264	1765585	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	2880184	119.278	ng	0.00
7) Phenol-d6	7.022	99	3648154	119.848	ng	0.01
23) Nitrobenzene-d5	9.016	82	2271211	76.728	ng	0.01
42) 2,4,6-Tribromophenol	15.968	330	1436831	126.058	ng	0.01
45) 2-Fluorobiphenyl	13.116	172	5787312	76.184	ng	0.01
79) Terphenyl-d14	19.839	244	9088533	90.303	ng	0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.334	88	71718	7.223	ng	99
3) Pyridine	3.740	79	177476	6.808	ng	95
4) n-Nitrosodimethylamine	3.640	42	85269	7.017	ng	# 98
6) Aniline	7.187	93	261005	6.681	ng	100
8) 2-Chlorophenol	7.428	128	188601	7.407	ng	99
9) Benzaldehyde	6.998	77	161321	8.909	ng	98
10) Phenol	7.045	94	227628	7.170	ng	95
11) bis(2-Chloroethyl)ether	7.281	93	176611	6.946	ng	96
12) 1,3-Dichlorobenzene	7.751	146	222004	7.171	ng	100
13) 1,4-Dichlorobenzene	7.898	146	224540	7.103	ng	99
14) 1,2-Dichlorobenzene	8.216	146	214434	7.085	ng	98
15) Benzyl Alcohol	8.098	79	141179	6.582	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.387	45	266245	7.109	ng	99
17) 2-Methylphenol	8.298	107	135492	6.580	ng	98
18) Hexachloroethane	8.951	117	77571	6.977	ng	98
19) n-Nitroso-di-n-propyla...	8.663	70	120457	6.532	ng	98
20) 3+4-Methylphenols	8.622	107	172832	6.252	ng	98
22) Acetophenone	8.681	105	266865	7.068	ng	# 97
24) Nitrobenzene	9.057	77	198322	7.508	ng	99
25) Isophorone	9.586	82	310654	6.468	ng	100
26) 2-Nitrophenol	9.769	139	62632	5.818	ng	96
27) 2,4-Dimethylphenol	9.828	122	153194	6.687	ng	95
28) bis(2-Chloroethoxy)met...	10.063	93	216557	6.804	ng	100
29) 2,4-Dichlorophenol	10.304	162	152409	6.476	ng	99
30) 1,2,4-Trichlorobenzene	10.522	180	195567	6.946	ng	99
31) Naphthalene	10.710	128	543526	7.086	ng	100
32) Benzoic acid	9.881	122	51514	9.182	ng	94
33) 4-Chloroaniline	10.810	127	214593	6.617	ng	97
34) Hexachlorobutadiene	11.004	225	118977	6.924	ng	95
35) Caprolactam	11.563	113	35181	5.476	ng	96
36) 4-Chloro-3-methylphenol	11.928	107	137626	6.262	ng	98
37) 2-Methylnaphthalene	12.316	142	323719	6.684	ng	98
38) 1-Methylnaphthalene	12.539	142	343755	6.707	ng	99
40) 1,2,4,5-Tetrachloroben...	12.686	216	204733	6.863	ng	99
41) Hexachlorocyclopentadiene	12.675	237	105333	5.524	ng	99
43) 2,4,6-Trichlorophenol	12.922	196	110289	6.006	ng	94

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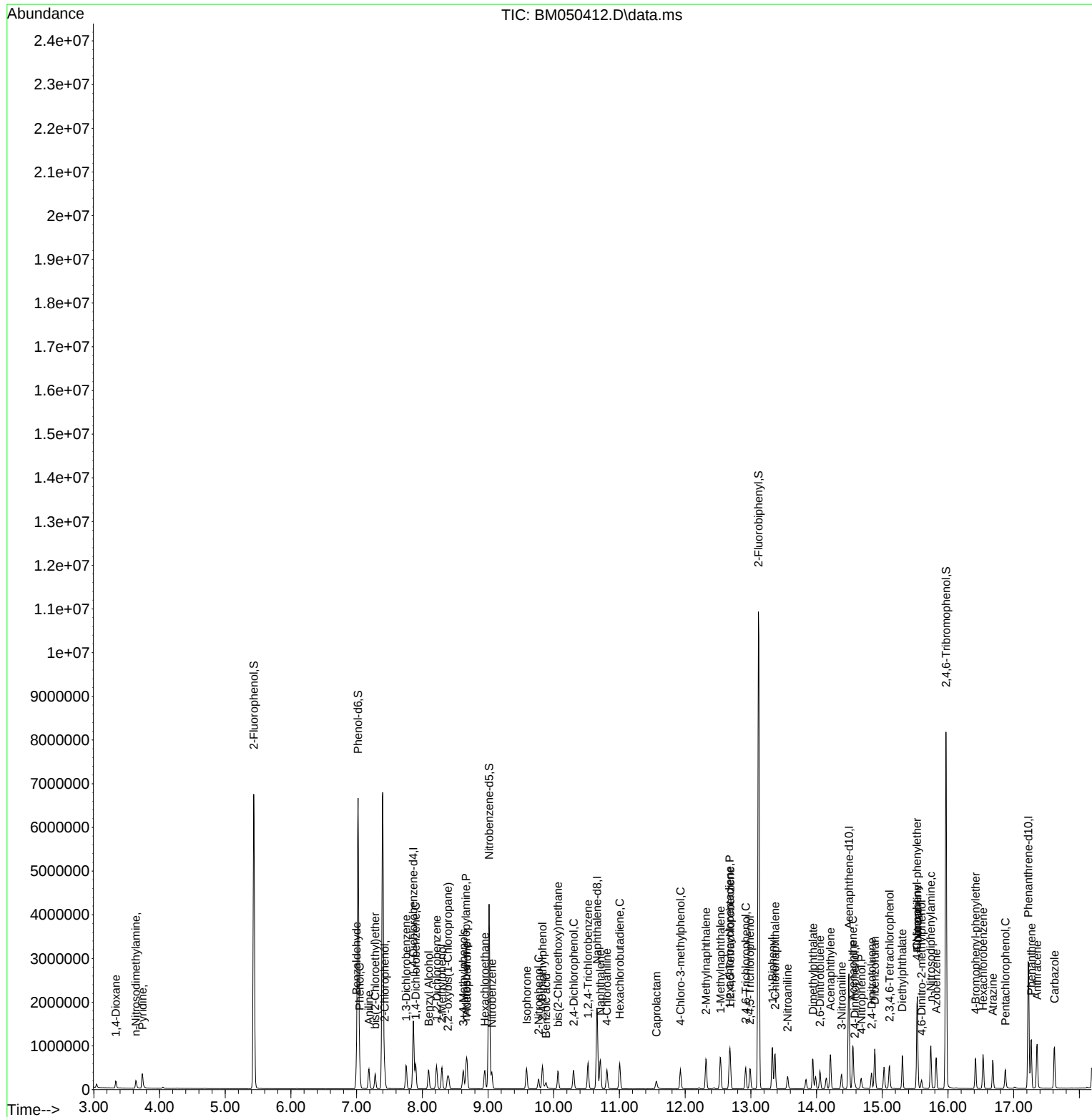
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.986	196	126315	6.298	ng	98
46) 1,1'-Biphenyl	13.327	154	499405	7.175	ng	99
47) 2-Chloronaphthalene	13.369	162	398414	7.179	ng	99
48) 2-Nitroaniline	13.557	65	71061	5.737	ng	93
49) Acenaphthylene	14.210	152	560240	6.680	ng	99
50) Dimethylphthalate	13.945	163	441664	6.838	ng	98
51) 2,6-Dinitrotoluene	14.051	165	76559	6.174	ng	93
52) Acenaphthene	14.551	154	360713	6.765	ng	98
53) 3-Nitroaniline	14.380	138	74690	5.663	ng #	92
54) 2,4-Dinitrophenol	14.580	184	22540	9.437	ng #	86
55) Dibenzofuran	14.886	168	575739	7.008	ng	98
56) 4-Nitrophenol	14.680	139	56865	5.014	ng	97
57) 2,4-Dinitrotoluene	14.839	165	90078	7.301	ng	97
58) Fluorene	15.533	166	447115	6.607	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.110	232	102069	6.046	ng	93
60) Diethylphthalate	15.304	149	405946	6.580	ng	98
61) 4-Chlorophenyl-phenyle...	15.527	204	230327	6.509	ng	95
62) 4-Nitroaniline	15.533	138	72440	7.107	ng	84
63) Azobenzene	15.821	77	368330	6.502	ng	97
65) 4,6-Dinitro-2-methylph...	15.598	198	36168	9.625	ng	93
66) n-Nitrosodiphenylamine	15.739	169	367499	6.678	ng	99
67) 4-Bromophenyl-phenylether	16.421	248	125374	6.471	ng	96
68) Hexachlorobenzene	16.533	284	152900	6.682	ng	95
69) Atrazine	16.680	200	111789	6.187	ng	97
70) Pentachlorophenol	16.874	266	74782	5.250	ng	98
71) Phenanthrene	17.268	178	690566	6.940	ng	99
72) Anthracene	17.357	178	648228	6.544	ng	99
73) Carbazole	17.621	167	594443	6.633	ng	99
74) Di-n-butylphthalate	18.192	149	578230	5.895	ng	99
75) Fluoranthene	19.274	202	677265	6.261	ng	99
77) Benzidine	19.451	184	261293	5.785	ng	98
78) Pyrene	19.633	202	734287	6.475	ng	99
80) Butylbenzylphthalate	20.533	149	208989	5.589	ng	99
81) Benzo(a)anthracene	21.433	228	768246	6.658	ng	100
82) 3,3'-Dichlorobenzidine	21.350	252	212893	5.471	ng	96
83) Chrysene	21.492	228	747337	6.867	ng	99
84) Bis(2-ethylhexyl)phtha...	21.362	149	346882	5.843	ng	97
85) Di-n-octyl phthalate	22.515	149	448500	4.824	ng	98
87) Indeno(1,2,3-cd)pyrene	27.915	276	780495	6.218	ng	99
88) Benzo(b)fluoranthene	23.527	252	696554	6.414	ng	98
89) Benzo(k)fluoranthene	23.586	252	695869	6.175	ng	99
90) Benzo(a)pyrene	24.338	252	615542	6.055	ng	99
91) Dibenzo(a,h)anthracene	27.979	278	672278	6.359	ng	99
92) Benzo(g,h,i)perylene	28.985	276	640368	6.409	ng	99

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

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ClientSampleId :
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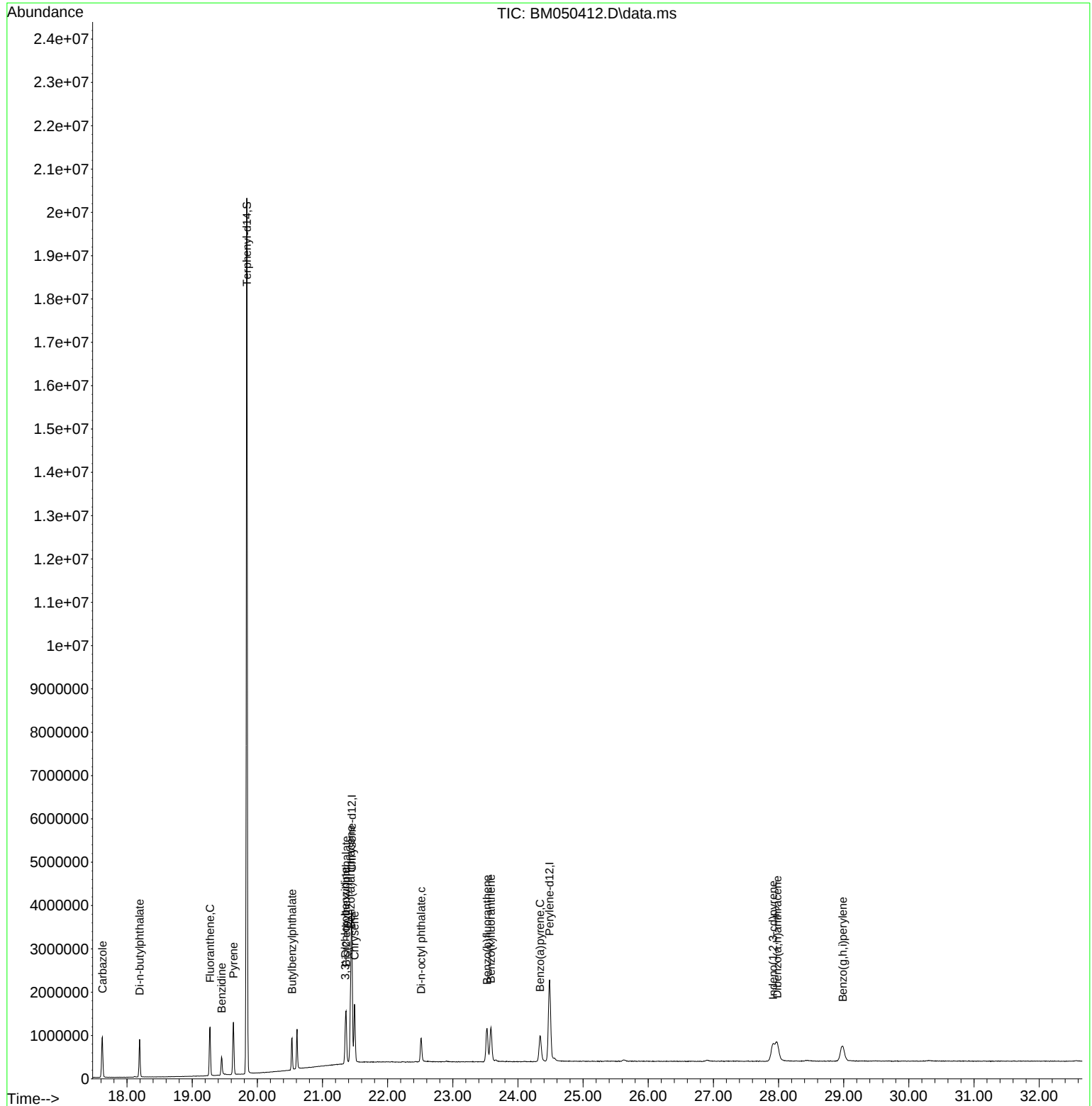
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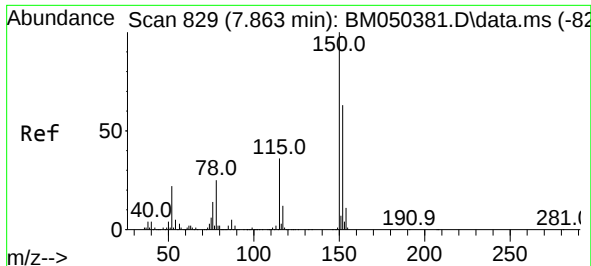


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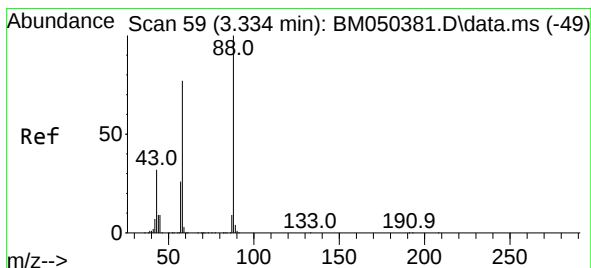
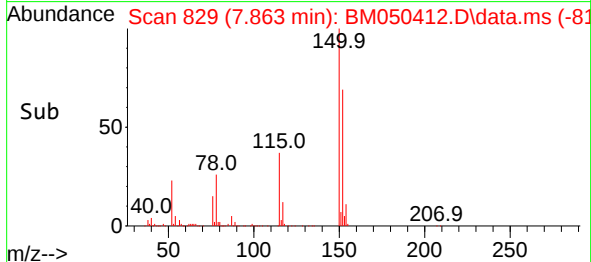
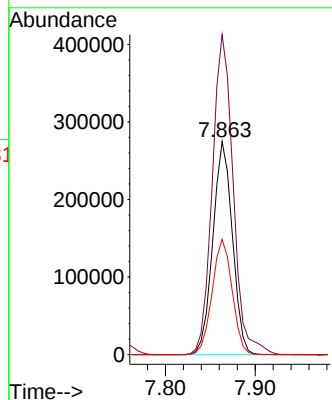
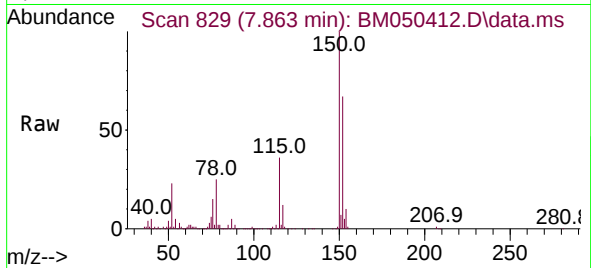




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 829
 Delta R.T. 0.012 min
 Lab File: BM050412.D
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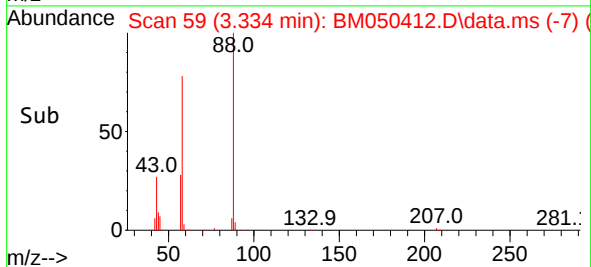
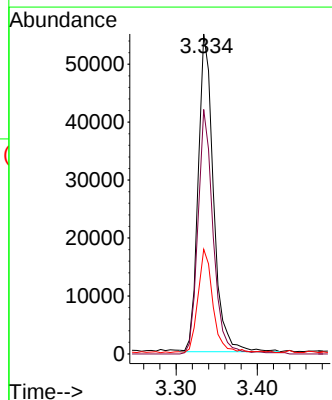
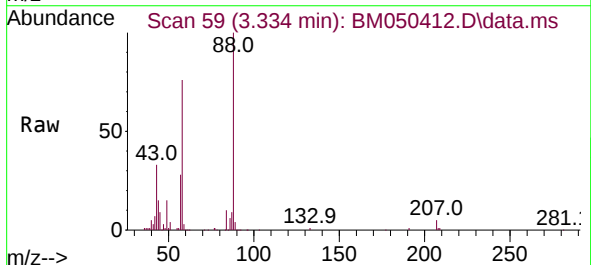
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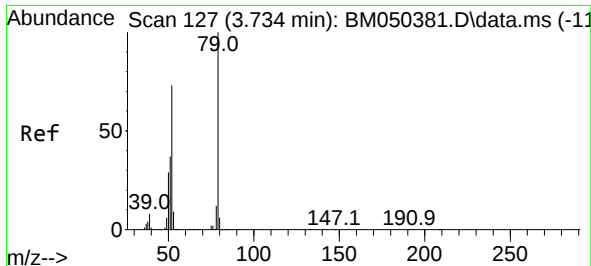
Tgt Ion:152 Resp: 415645
 Ion Ratio Lower Upper
 152 100
 150 150.2 126.2 189.4
 115 54.0 45.8 68.8



#2
 1,4-Dioxane
 Concen: 7.223 ng
 RT: 3.334 min Scan# 59
 Delta R.T. 0.006 min
 Lab File: BM050412.D
 Acq: 11 Jul 2025 14:23

Tgt Ion: 88 Resp: 71718
 Ion Ratio Lower Upper
 88 100
 58 76.7 61.0 91.6
 43 31.6 24.6 37.0

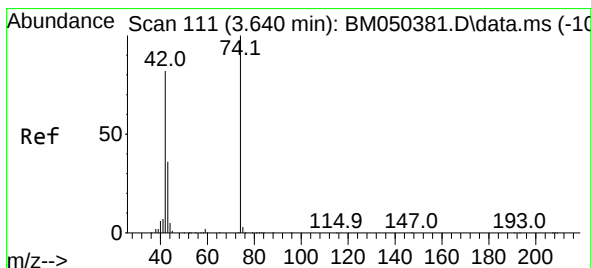
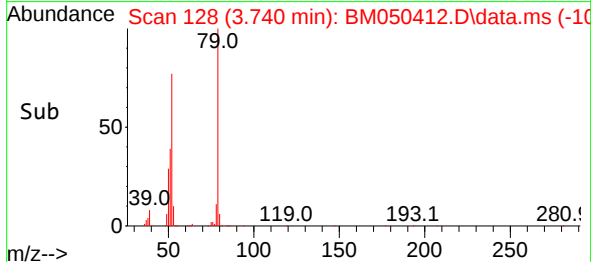
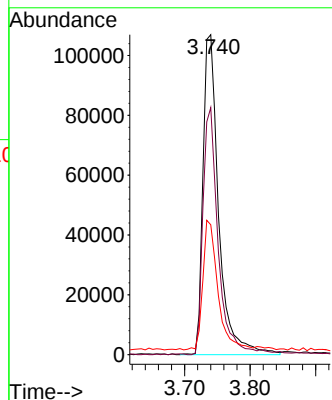
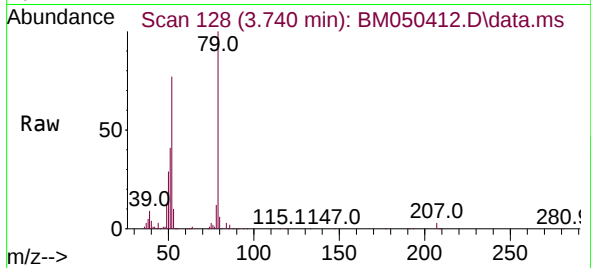




#3
Pyridine
Concen: 6.808 ng
RT: 3.740 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

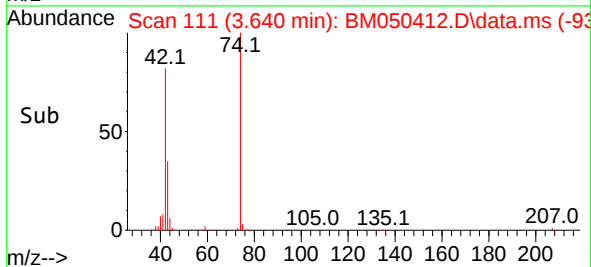
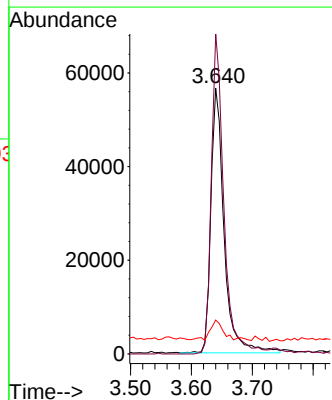
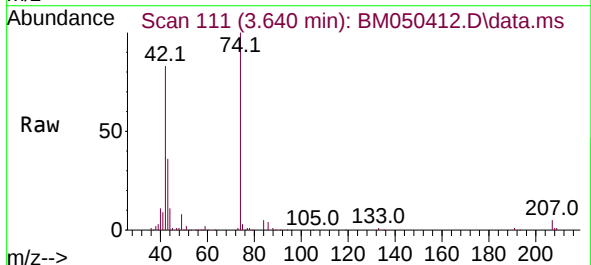
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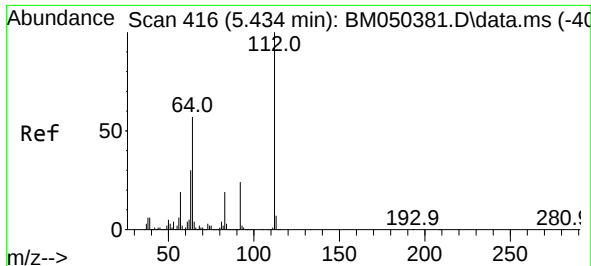
Tgt Ion: 79 Resp: 177476
Ion Ratio Lower Upper
79 100
52 77.2 58.3 87.5
51 40.6 29.6 44.4



#4
n-Nitrosodimethylamine
Concen: 7.017 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.006 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion: 42 Resp: 85269
Ion Ratio Lower Upper
42 100
74 120.5 97.5 146.3
44 12.8 5.7 8.5#

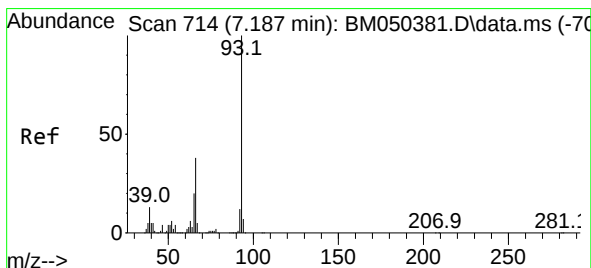
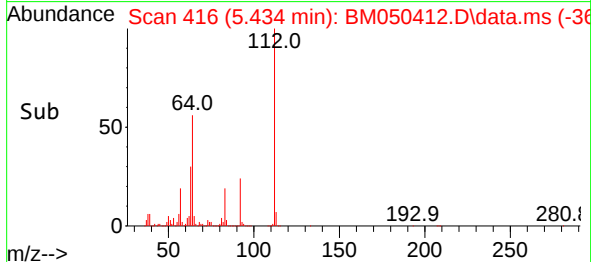
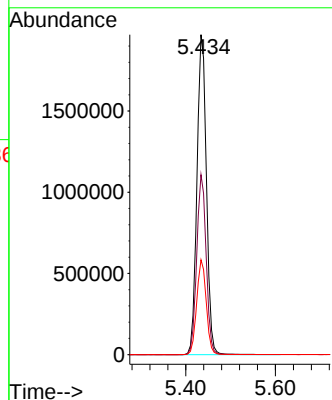
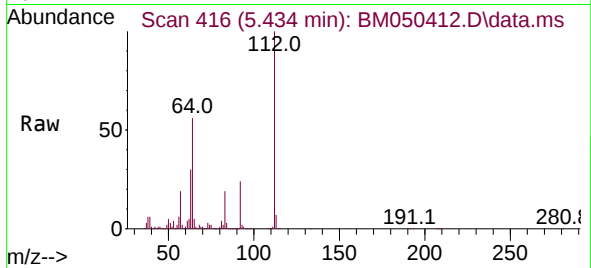




#5
2-Fluorophenol
Concen: 119.278 ng
RT: 5.434 min Scan# 416
Delta R.T. 0.006 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

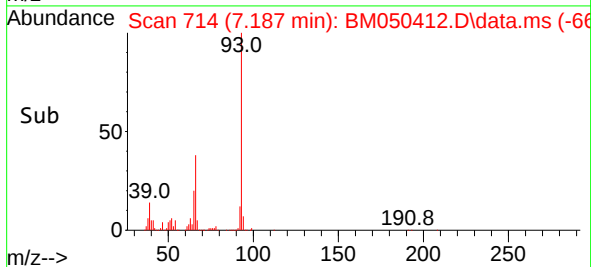
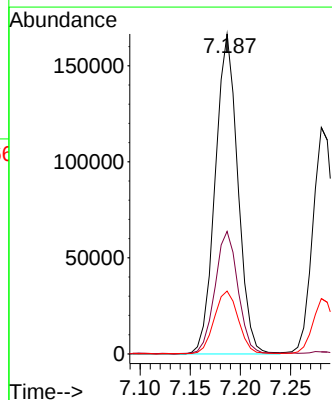
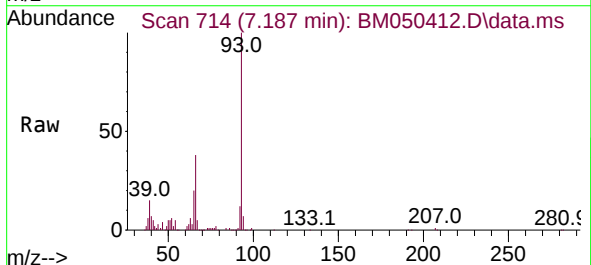
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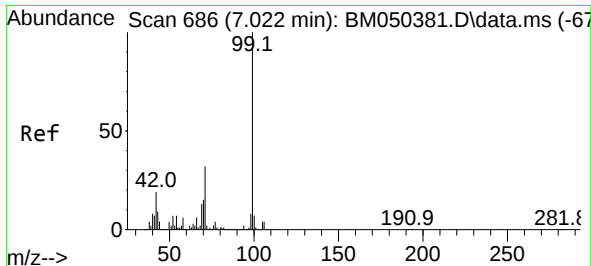
Tgt Ion:112 Resp: 2880184
Ion Ratio Lower Upper
112 100
64 56.2 45.5 68.3
63 29.6 24.2 36.4



#6
Aniline
Concen: 6.681 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion: 93 Resp: 261005
Ion Ratio Lower Upper
93 100
66 38.3 30.5 45.7
65 19.6 15.9 23.9



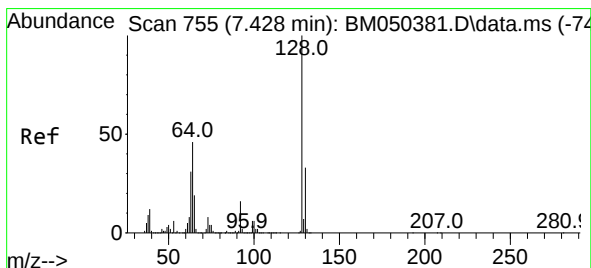
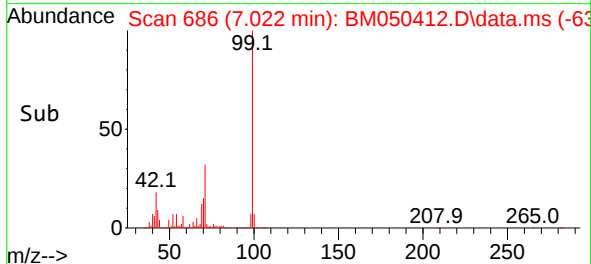
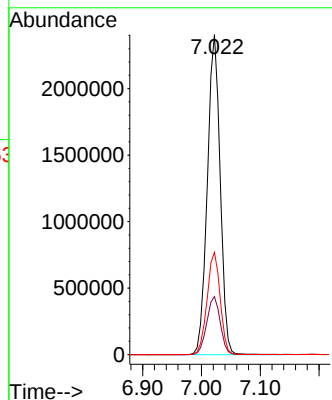
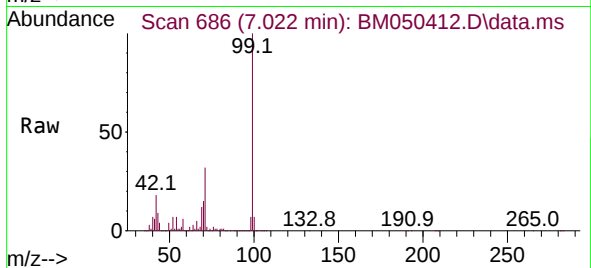


#7
Phenol-d6
Concen: 119.848 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Instrument :
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Tgt Ion: 99 Resp: 3648154

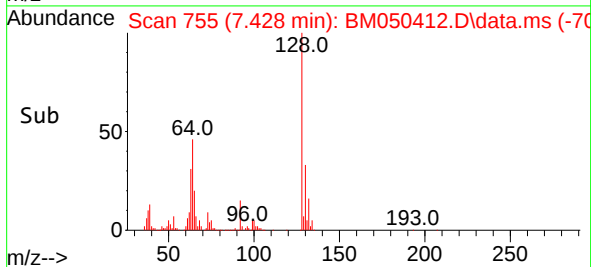
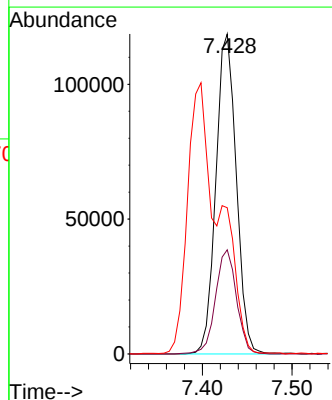
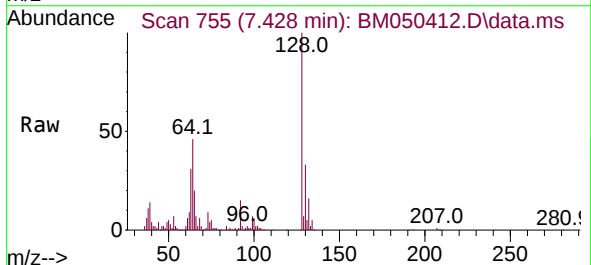
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.0	22.6
71	32.0	25.9	38.9

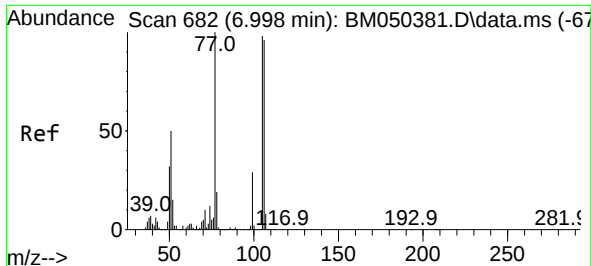


#8
2-Chlorophenol
Concen: 7.407 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.012 min
Lab File: BM050412.D
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Tgt Ion: 128 Resp: 188601

Ion	Ratio	Lower	Upper
128	100		
130	32.5	13.3	53.3
64	45.7	25.6	65.6

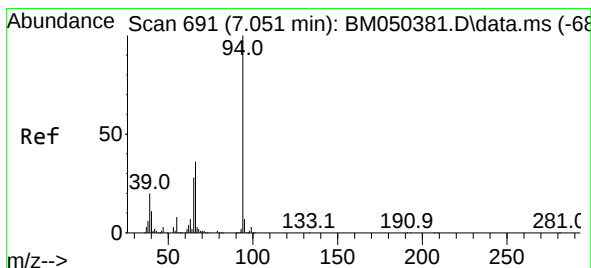
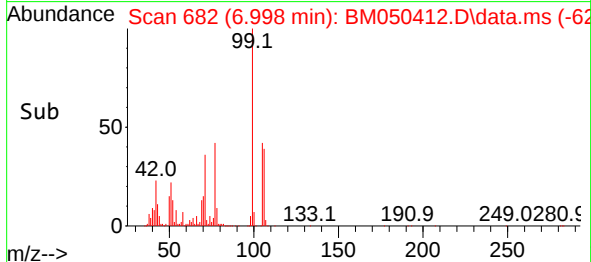
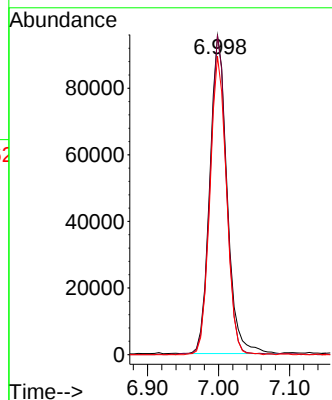
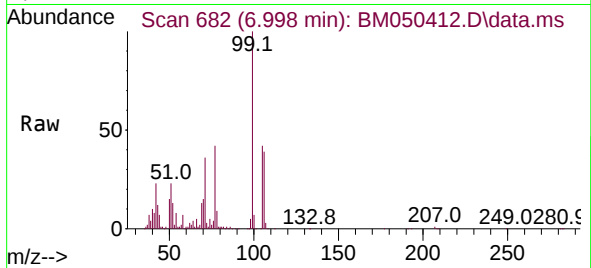




#9
Benzaldehyde
Concen: 8.909 ng
RT: 6.998 min Scan# 682
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

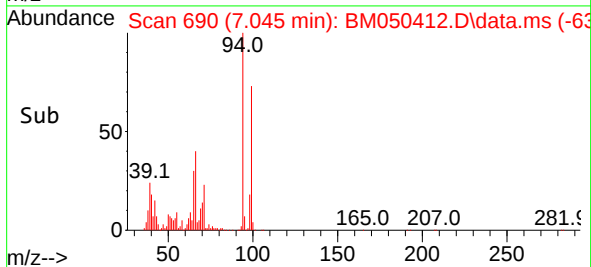
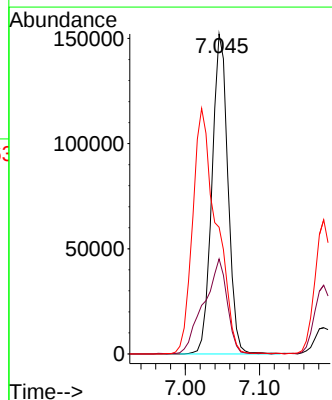
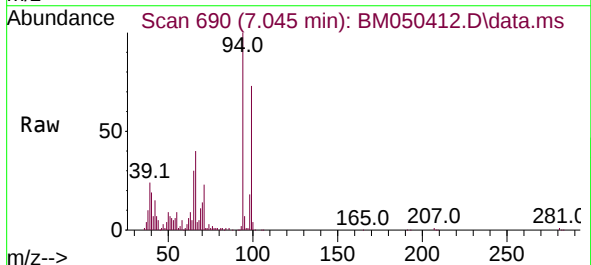
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

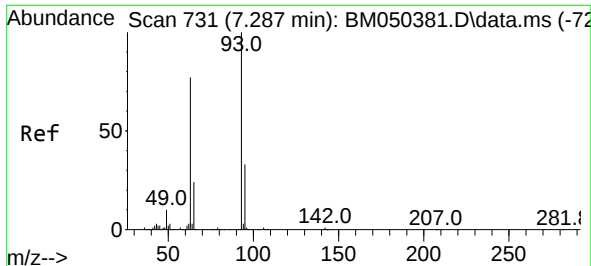
Tgt Ion: 77 Resp: 161321
Ion Ratio Lower Upper
77 100
105 100.4 78.4 118.4
106 93.6 76.3 116.3



#10
Phenol
Concen: 7.170 ng
RT: 7.045 min Scan# 690
Delta R.T. 0.006 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion: 94 Resp: 227628
Ion Ratio Lower Upper
94 100
65 29.7 8.1 48.1
66 39.6 15.8 55.8

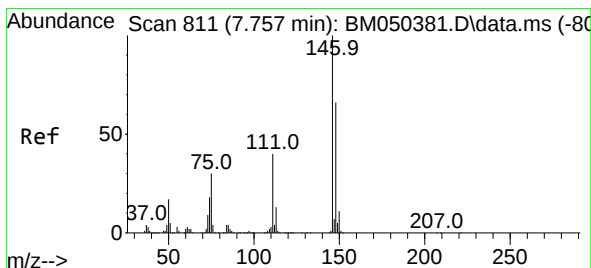
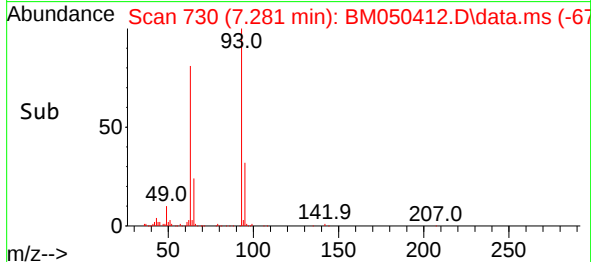
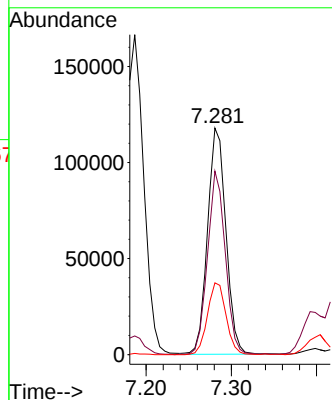
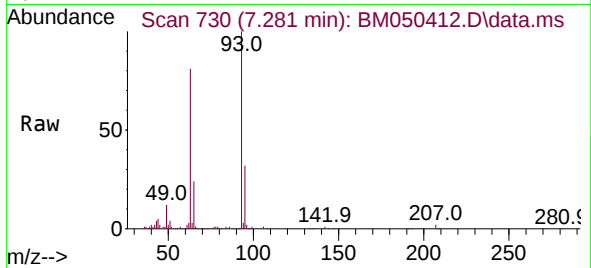




#11
bis(2-Chloroethyl)ether
Concen: 6.946 ng
RT: 7.281 min Scan# 731
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

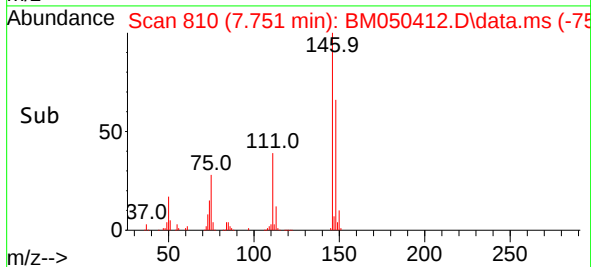
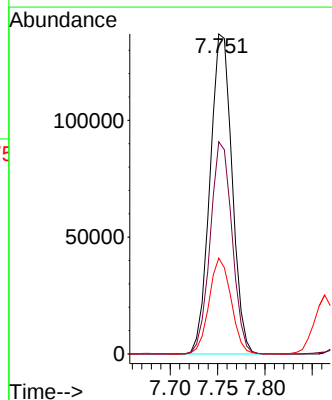
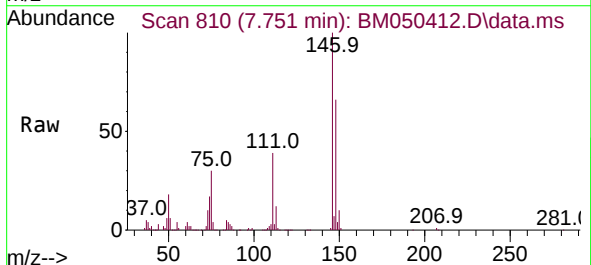
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

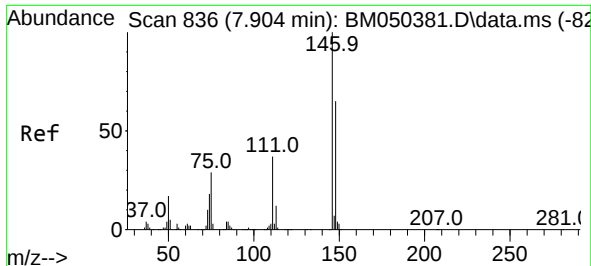
Tgt Ion: 93 Resp: 176611
Ion Ratio Lower Upper
93 100
63 81.0 56.9 96.9
95 31.7 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 7.171 ng
RT: 7.751 min Scan# 810
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:146 Resp: 222004
Ion Ratio Lower Upper
146 100
148 66.3 53.2 79.8
75 29.9 23.9 35.9

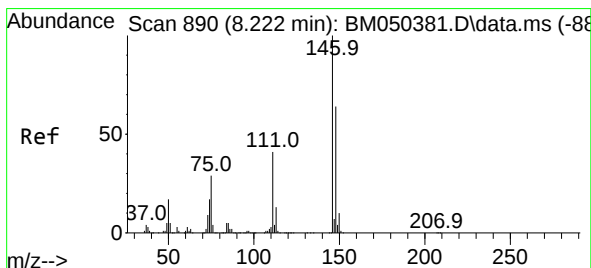
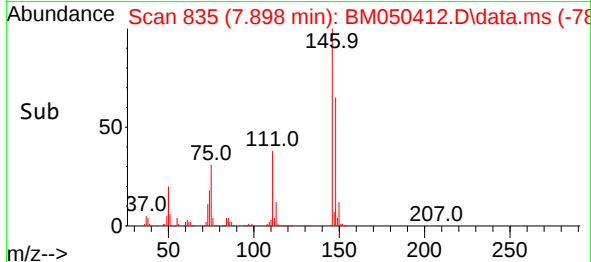
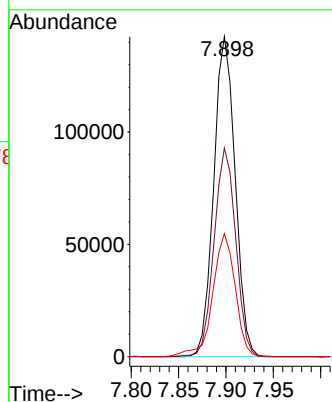
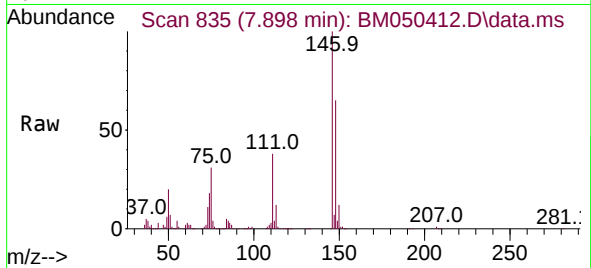




#13
1,4-Dichlorobenzene
Concen: 7.103 ng
RT: 7.898 min Scan# 836
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

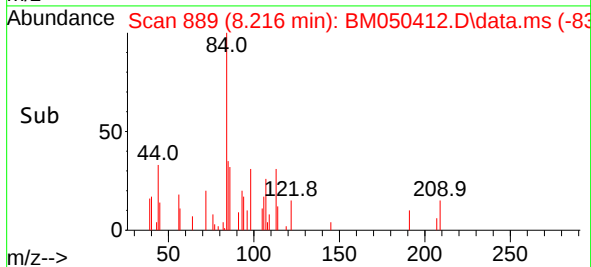
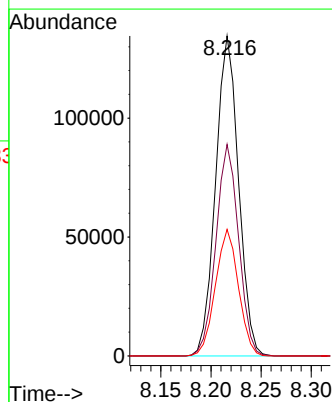
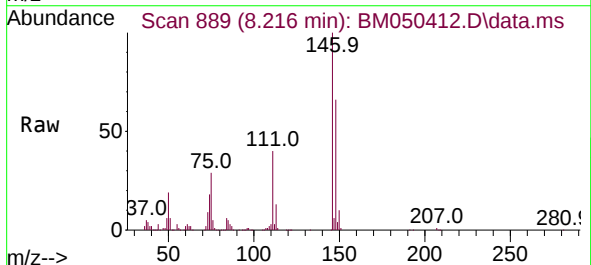
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

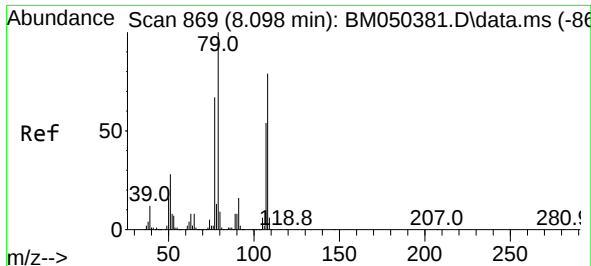
Tgt Ion:146 Resp: 224540
Ion Ratio Lower Upper
146 100
148 65.2 51.9 77.9
111 38.4 30.0 45.0



#14
1,2-Dichlorobenzene
Concen: 7.085 ng
RT: 8.216 min Scan# 889
Delta R.T. 0.018 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:146 Resp: 214434
Ion Ratio Lower Upper
146 100
148 66.1 51.5 77.3
111 39.5 32.6 49.0

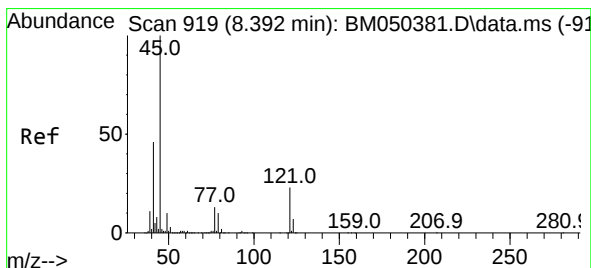
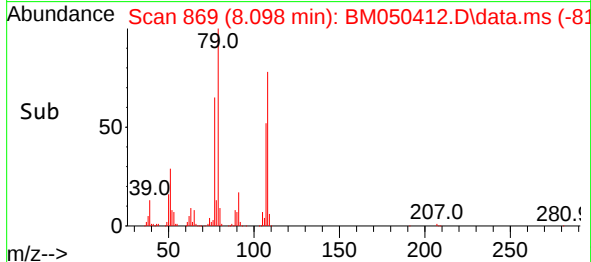
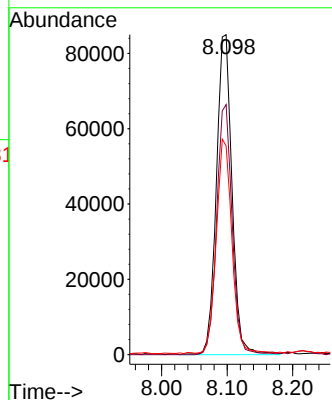
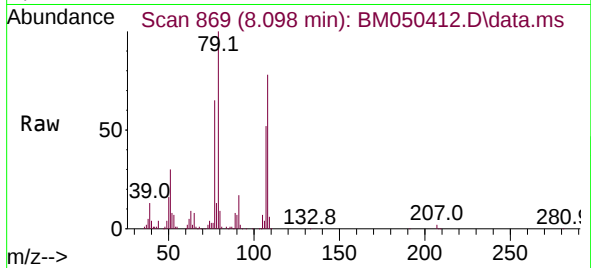




#15
Benzyl Alcohol
Concen: 6.582 ng
RT: 8.098 min Scan# 869
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

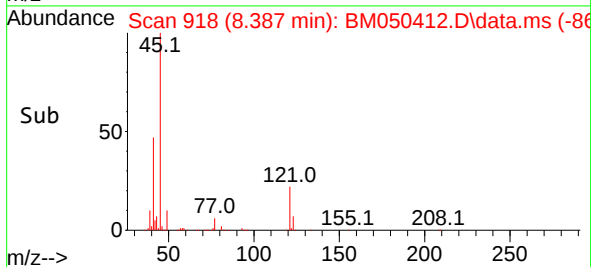
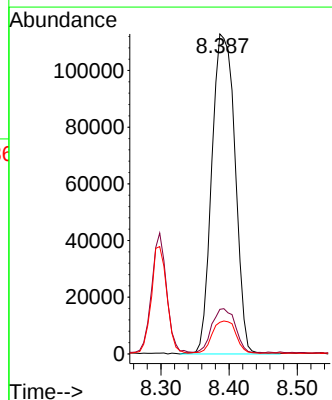
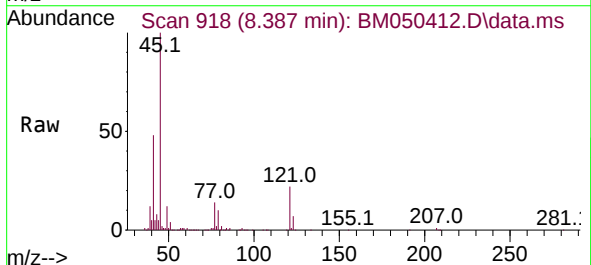
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

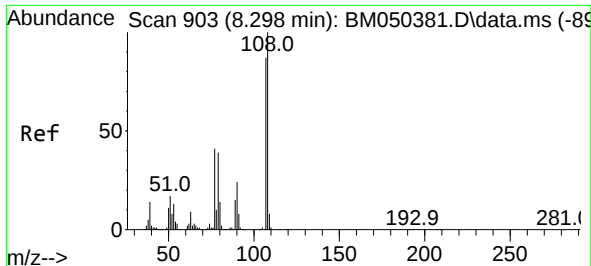
Tgt Ion: 79 Resp: 141179
Ion Ratio Lower Upper
79 100
108 78.1 63.0 94.4
77 65.2 53.4 80.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.109 ng
RT: 8.387 min Scan# 918
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion: 45 Resp: 266245
Ion Ratio Lower Upper
45 100
77 13.9 0.0 33.5
79 9.9 0.0 30.3

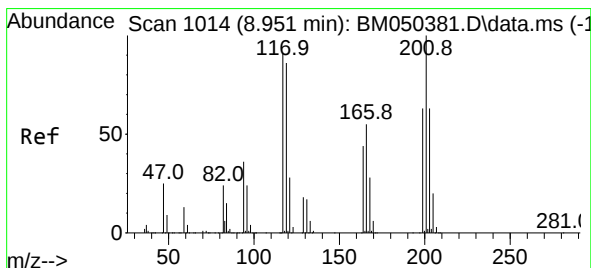
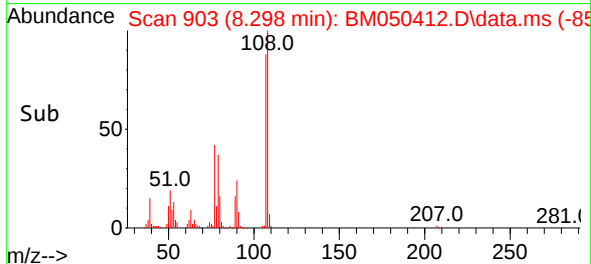
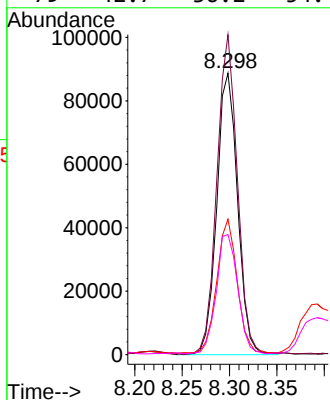
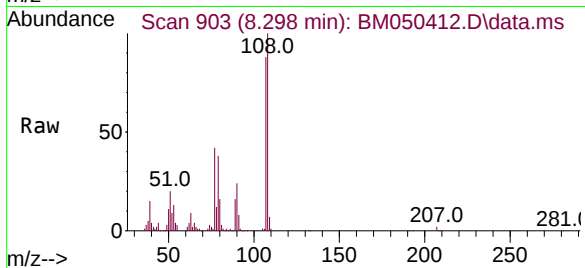




#17
2-Methylphenol
Concen: 6.580 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

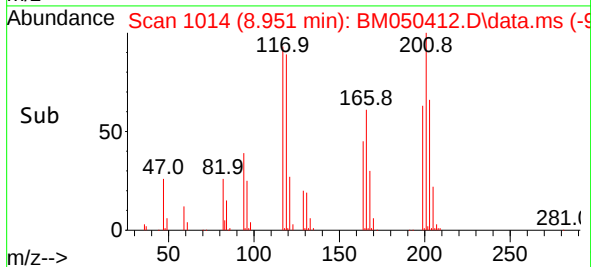
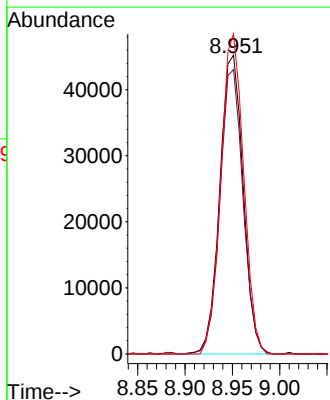
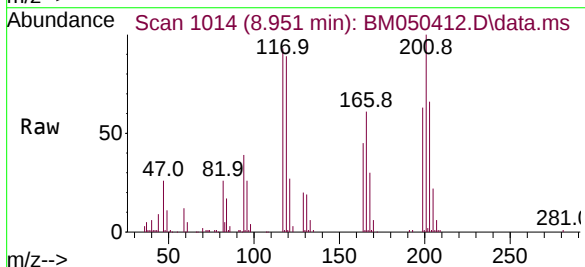
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

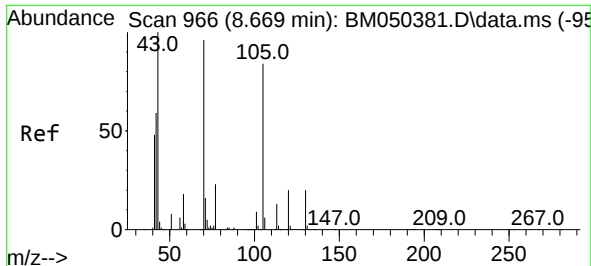
Tgt Ion:	107	Resp:	135492
Ion	Ratio	Lower	Upper
107	100		
108	113.7	92.1	138.1
77	48.1	38.2	57.4
79	42.7	36.2	54.4



#18
Hexachloroethane
Concen: 6.977 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.018 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:	117	Resp:	77571
Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.6	113.4
201	107.1	87.9	131.9

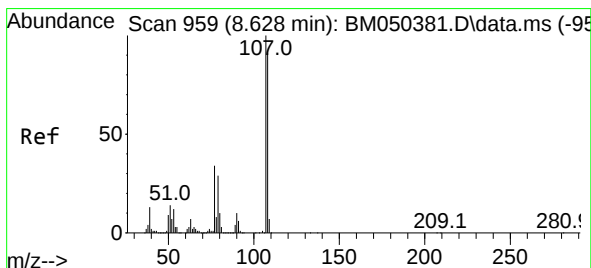
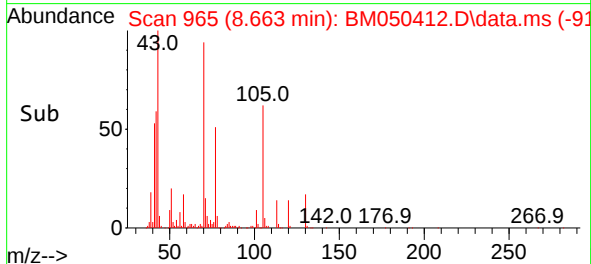
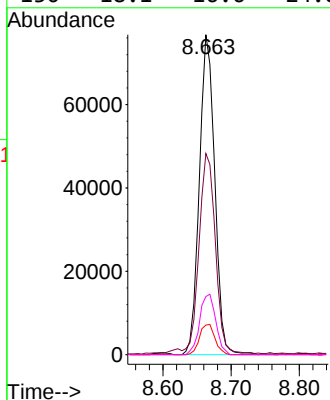
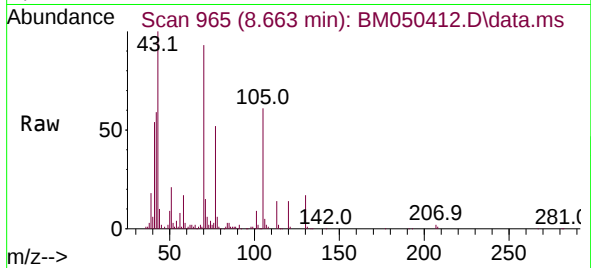




#19
n-Nitroso-di-n-propylamine
Concen: 6.532 ng
RT: 8.663 min Scan# 966
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

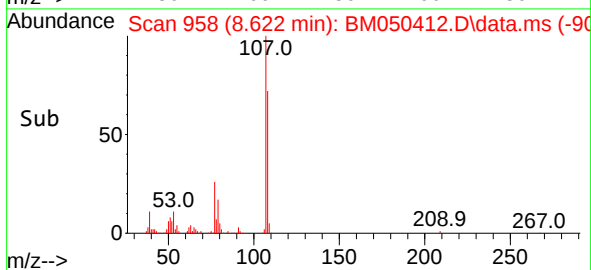
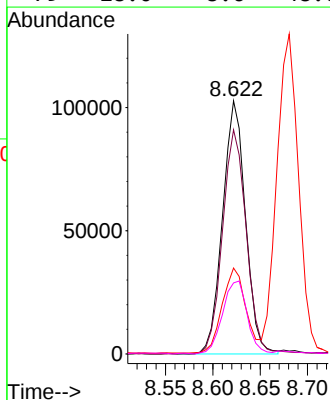
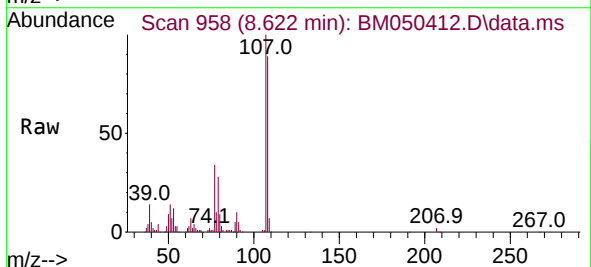
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

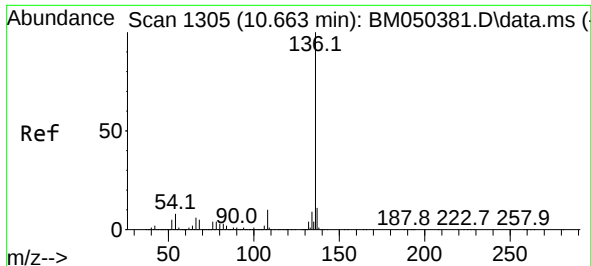
Tgt Ion: 70 Resp: 120457
Ion Ratio Lower Upper
70 100
42 62.8 49.7 74.5
101 9.2 7.7 11.5
130 18.1 16.6 24.8



#20
3+4-Methylphenols
Concen: 6.252 ng
RT: 8.622 min Scan# 958
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion: 107 Resp: 172832
Ion Ratio Lower Upper
107 100
108 88.5 71.5 111.5
77 33.9 13.7 53.7
79 28.0 8.6 48.6

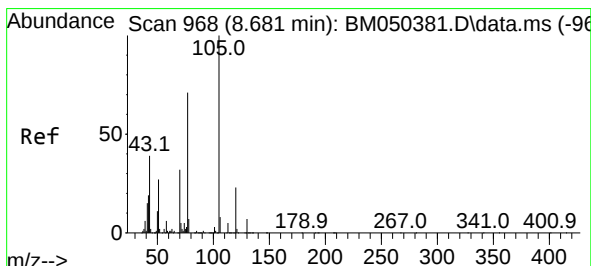
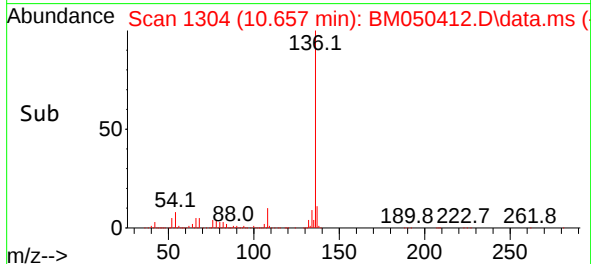
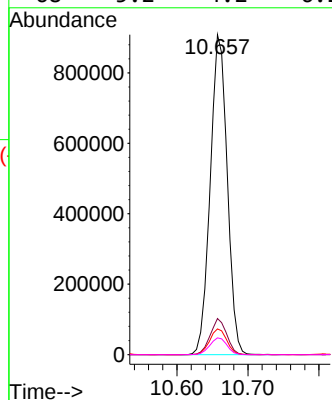
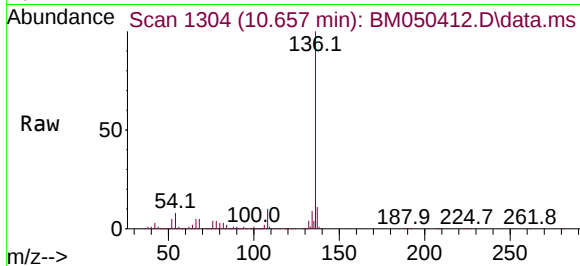




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. 0.018 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

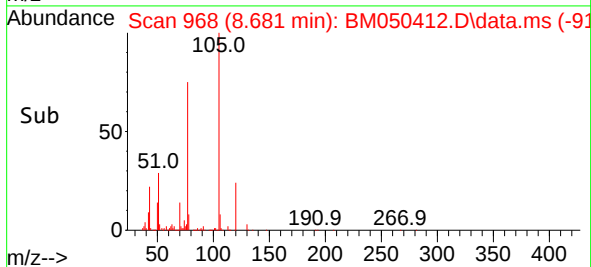
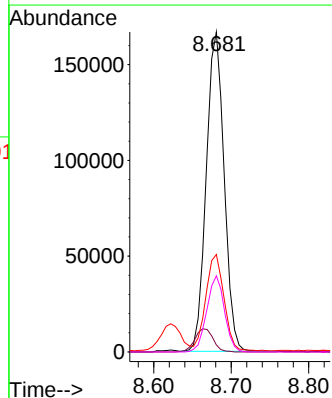
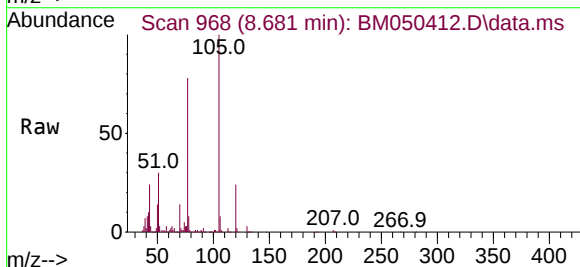
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

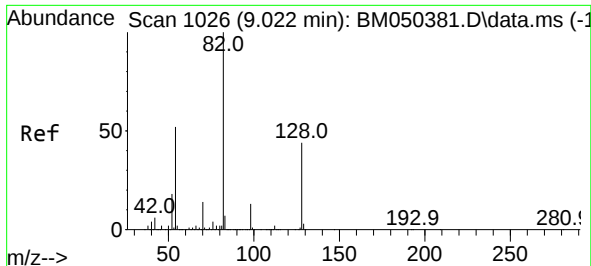
Tgt Ion:136 Resp: 1510176
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.0 6.3 9.5
68 5.2 4.2 6.2



#22
Acetophenone
Concen: 7.068 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:105 Resp: 266865
Ion Ratio Lower Upper
105 100
71 2.2 4.4 6.6#
51 30.4 23.0 34.6
120 23.8 18.3 27.5





#23

Nitrobenzene-d5

Concen: 76.728 ng

RT: 9.016 min Scan# 1025

Delta R.T. 0.012 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

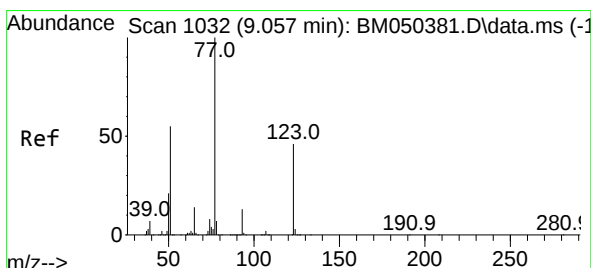
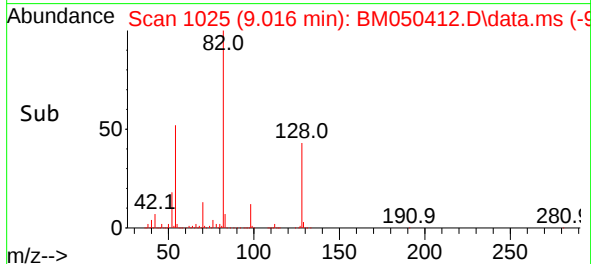
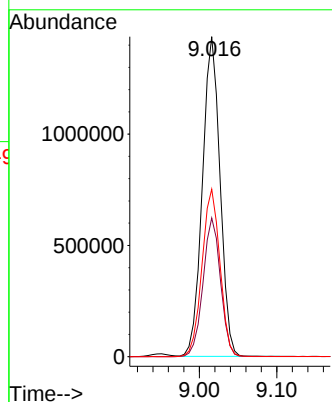
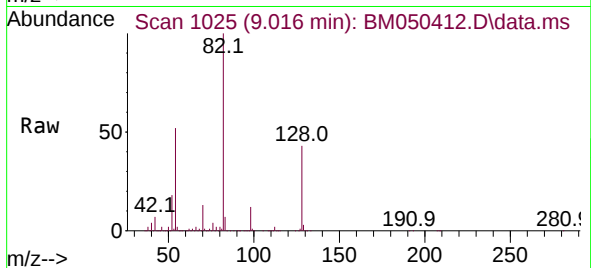
BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 82 Resp: 2271211

Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.2	52.8
54	52.3	41.5	62.3



#24

Nitrobenzene

Concen: 7.508 ng

RT: 9.057 min Scan# 1032

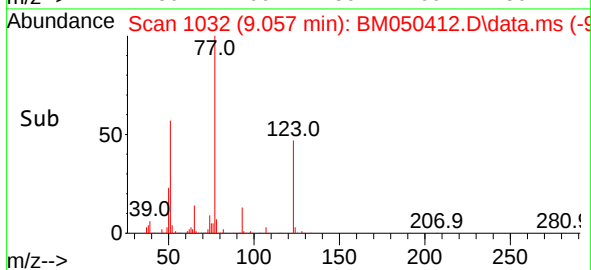
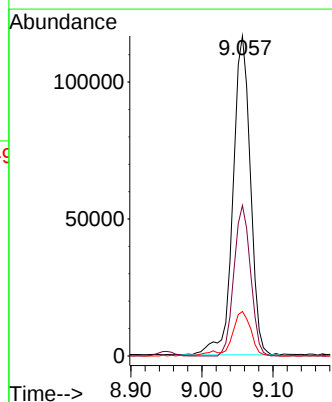
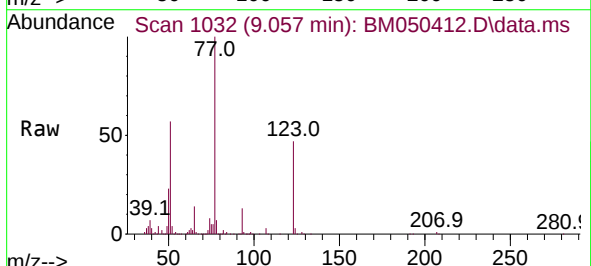
Delta R.T. 0.012 min

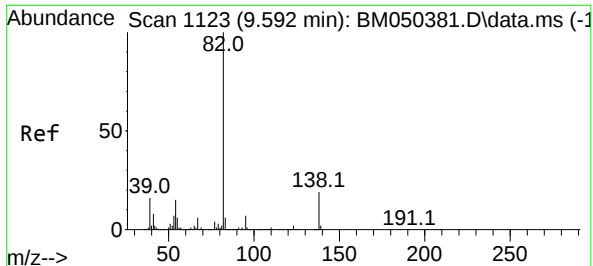
Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Tgt Ion: 77 Resp: 198322

Ion	Ratio	Lower	Upper
77	100		
123	47.0	37.0	55.6
65	13.9	11.0	16.4

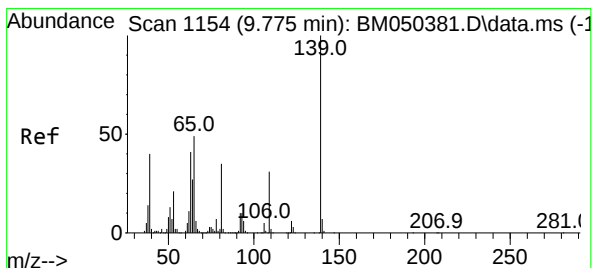
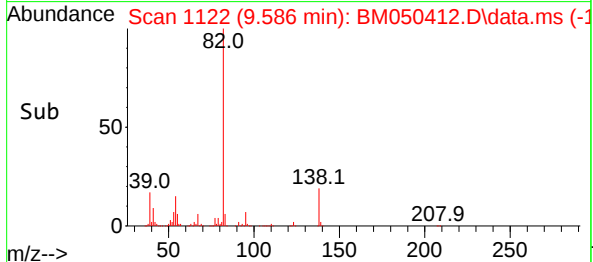
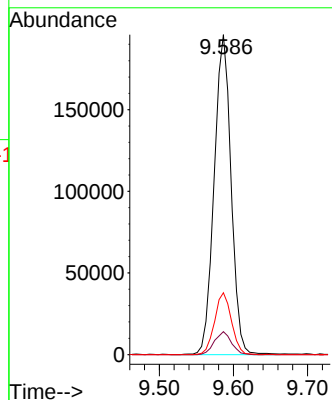
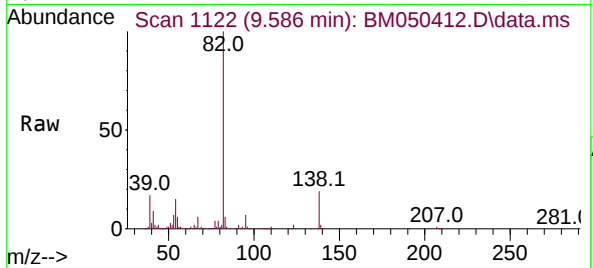




#25
Isophorone
Concen: 6.468 ng
RT: 9.586 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

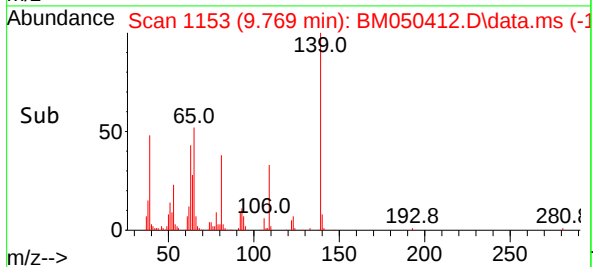
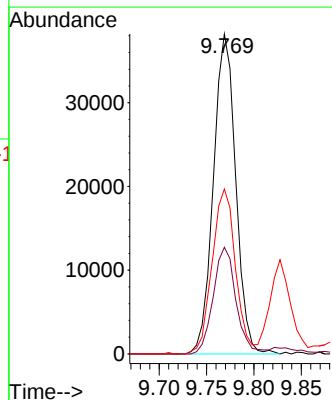
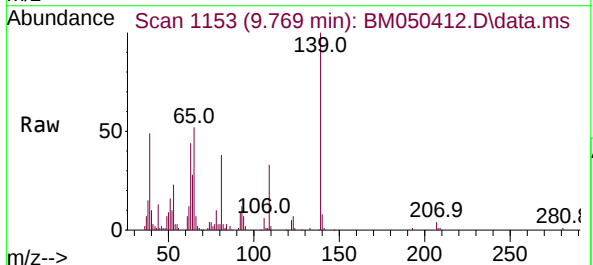
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

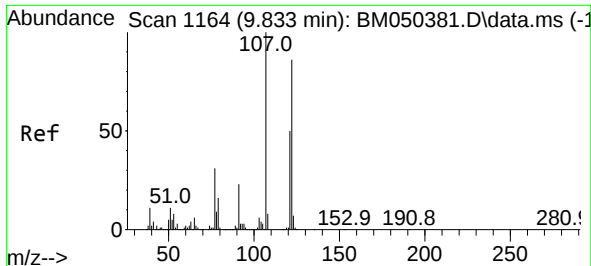
Tgt Ion: 82 Resp: 310654
Ion Ratio Lower Upper
82 100
95 7.2 5.6 8.4
138 19.3 15.3 22.9



#26
2-Nitrophenol
Concen: 5.818 ng
RT: 9.769 min Scan# 1153
Delta R.T. 0.018 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion: 139 Resp: 62632
Ion Ratio Lower Upper
139 100
109 33.3 24.6 36.8
65 51.5 39.2 58.8





#27

2,4-Dimethylphenol

Concen: 6.687 ng

RT: 9.828 min Scan# 1163

Delta R.T. 0.012 min

Lab File: BM050412.D

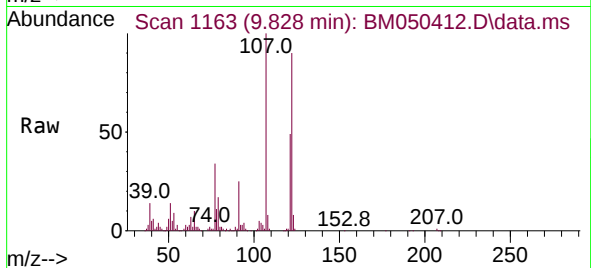
Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



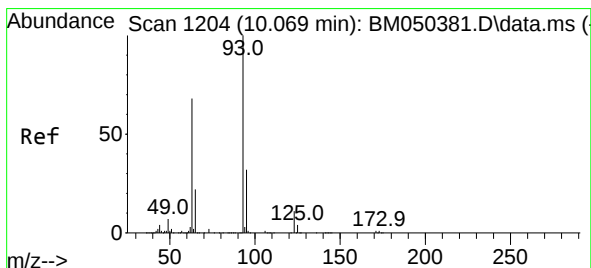
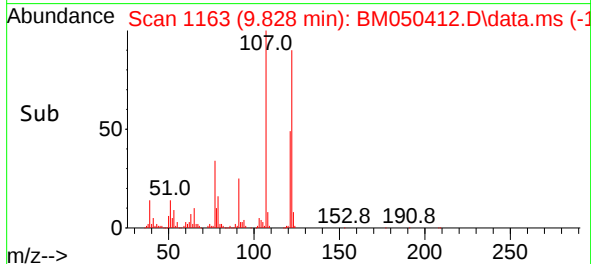
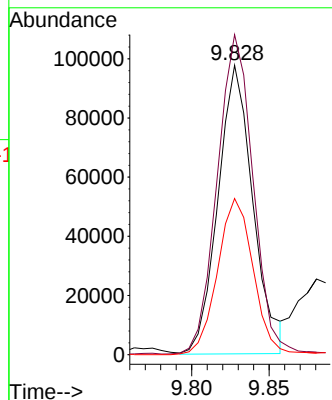
Tgt Ion:122 Resp: 153194

Ion Ratio Lower Upper

122 100

107 110.6 93.0 139.6

121 54.0 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 6.804 ng

RT: 10.063 min Scan# 1203

Delta R.T. 0.012 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

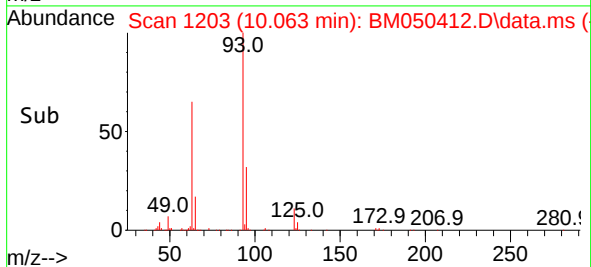
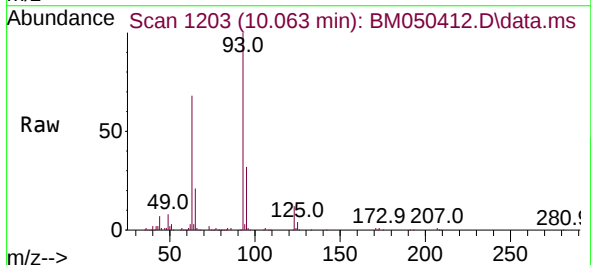
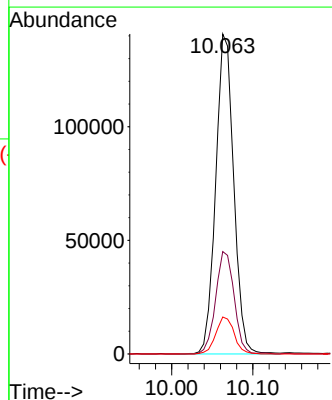
Tgt Ion: 93 Resp: 216557

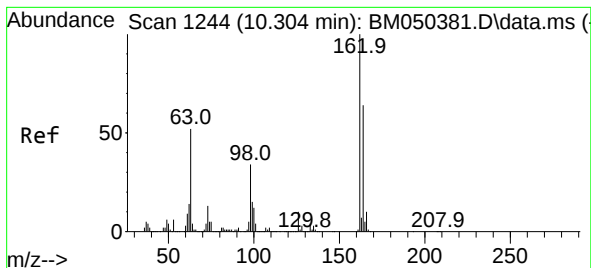
Ion Ratio Lower Upper

93 100

95 32.0 25.8 38.6

123 11.5 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 6.476 ng

RT: 10.304 min Scan# 1244

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

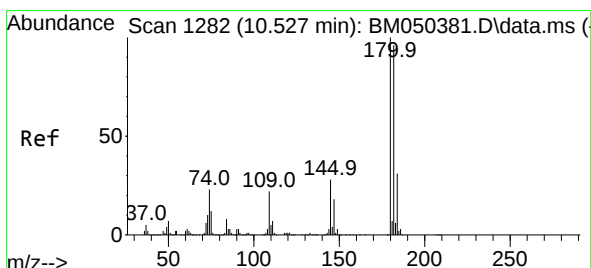
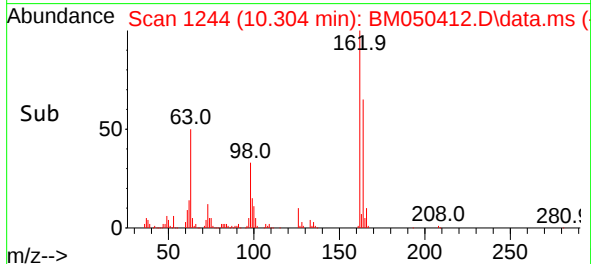
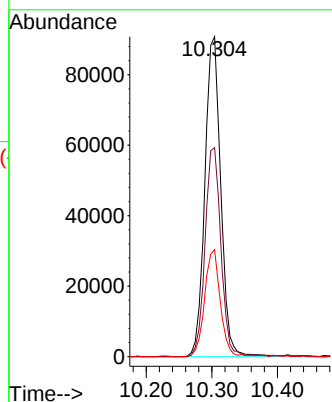
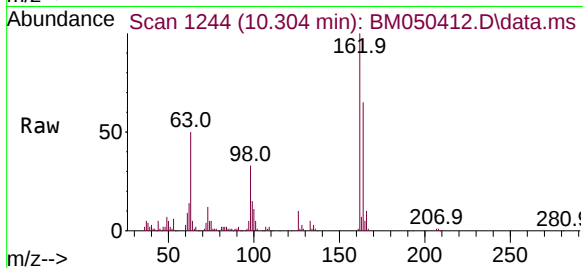
Tgt Ion:162 Resp: 152409

Ion Ratio Lower Upper

162 100

164 65.3 43.7 83.7

98 33.4 13.7 53.7



#30

1,2,4-Trichlorobenzene

Concen: 6.946 ng

RT: 10.522 min Scan# 1281

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

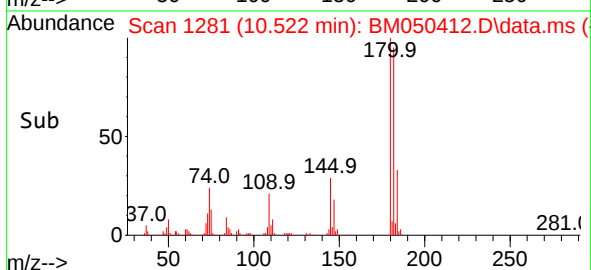
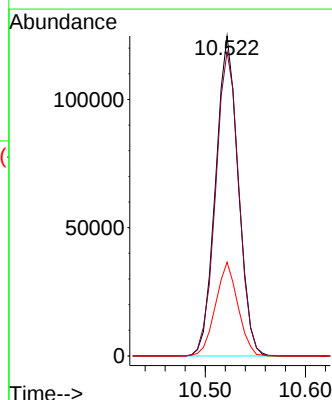
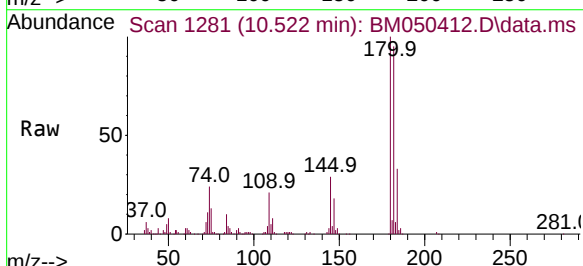
Tgt Ion:180 Resp: 195567

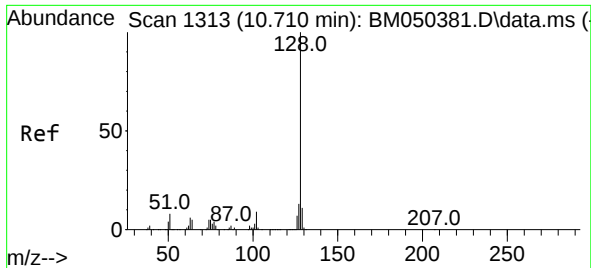
Ion Ratio Lower Upper

180 100

182 95.0 76.8 115.2

145 29.3 22.6 33.8

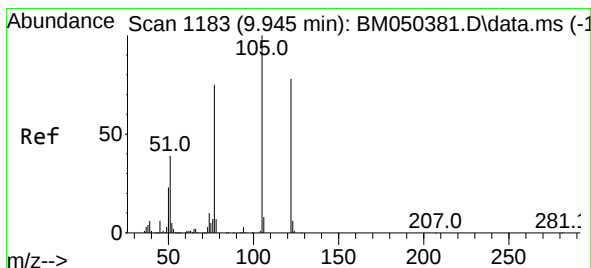
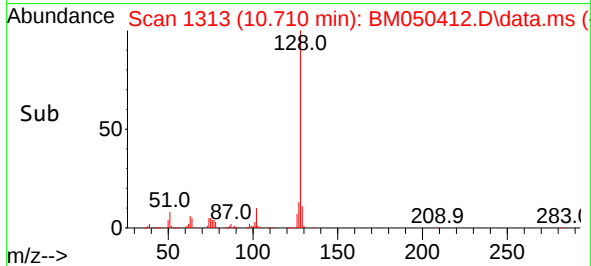
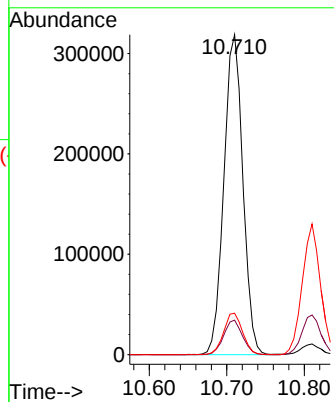
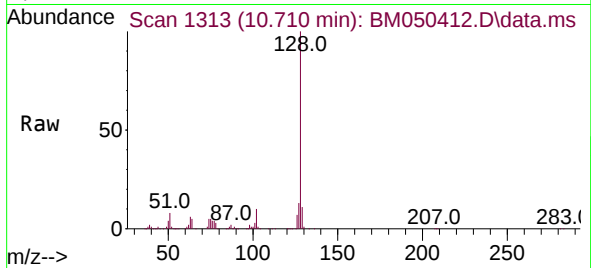




#31
Naphthalene
Concen: 7.086 ng
RT: 10.710 min Scan# 1313
Delta R.T. 0.018 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

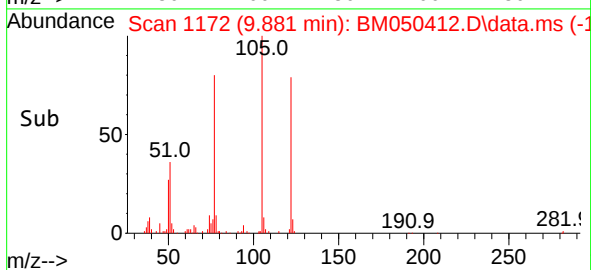
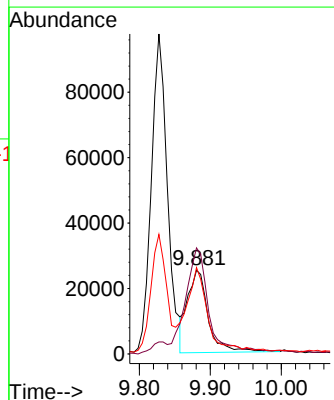
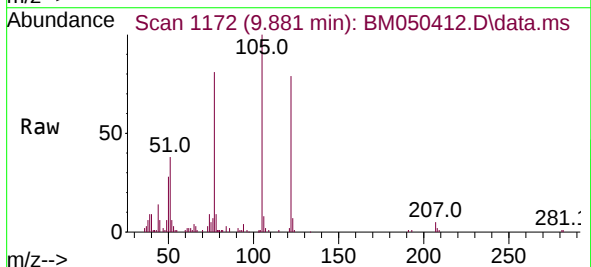
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

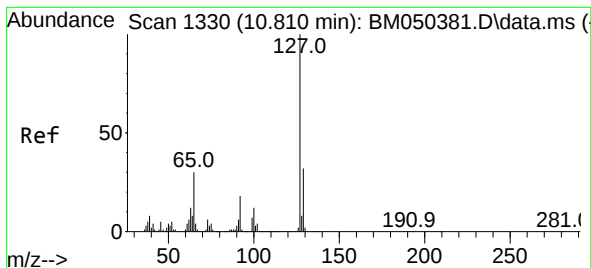
Tgt Ion:128 Resp: 543526
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.9 10.4 15.6



#32
Benzoic acid
Concen: 9.182 ng
RT: 9.881 min Scan# 1172
Delta R.T. -0.053 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:122 Resp: 51514
Ion Ratio Lower Upper
122 100
105 126.8 104.0 144.0
77 103.2 73.8 113.8

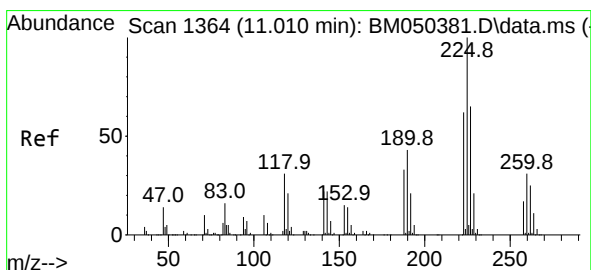
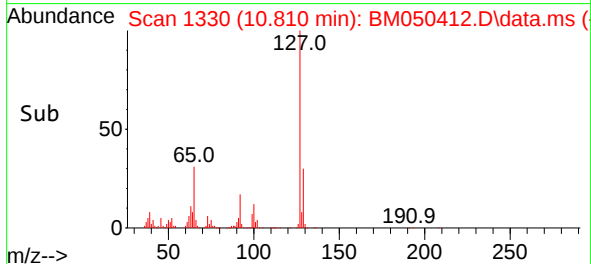
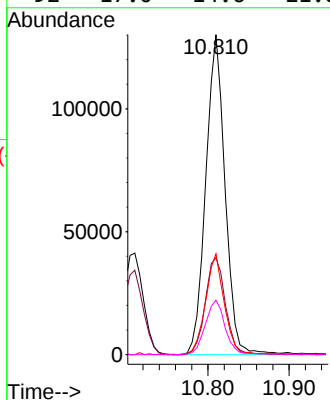
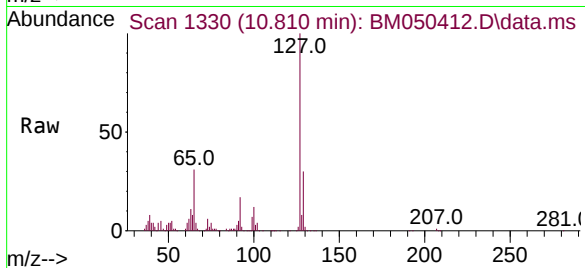




#33
4-Chloroaniline
Concen: 6.617 ng
RT: 10.810 min Scan# 1330
Delta R.T. 0.018 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

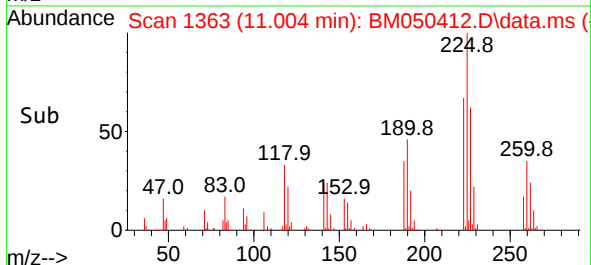
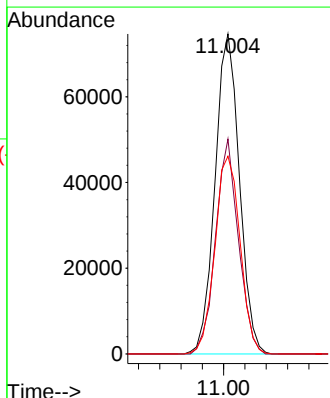
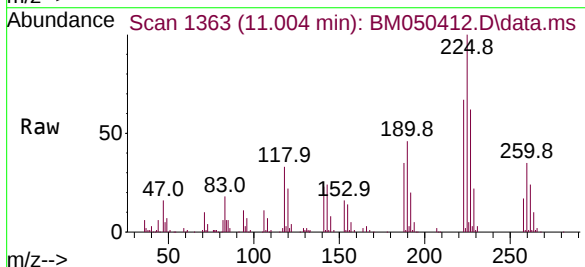
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

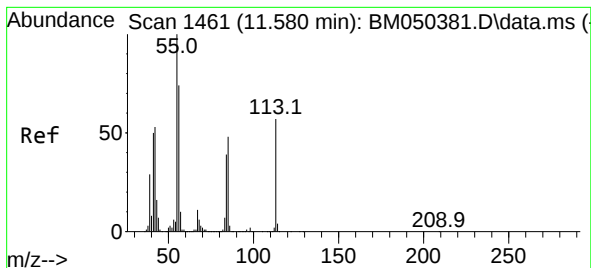
Tgt Ion:	127	Resp:	214593
Ion	Ratio	Lower	Upper
127	100		
129	30.3	25.5	38.3
65	31.5	23.9	35.9
92	17.0	14.6	21.8



#34
Hexachlorobutadiene
Concen: 6.924 ng
RT: 11.004 min Scan# 1363
Delta R.T. 0.018 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:	225	Resp:	118977
Ion	Ratio	Lower	Upper
225	100		
223	67.1	49.7	74.5
227	61.8	52.1	78.1





#35

Caprolactam

Concen: 5.476 ng

RT: 11.563 min Scan# 14

Delta R.T. -0.012 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

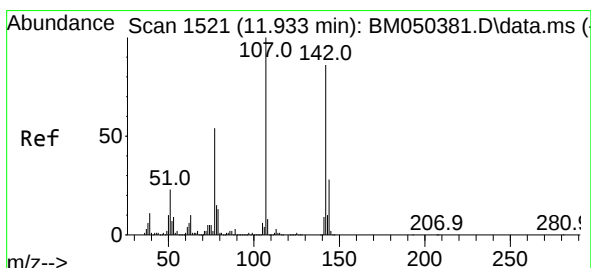
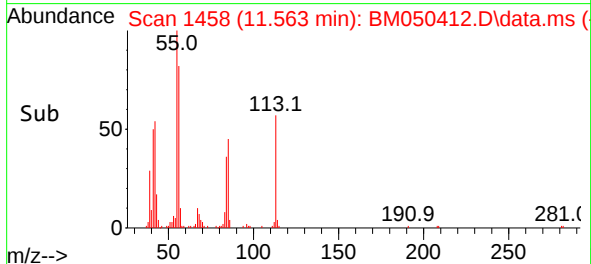
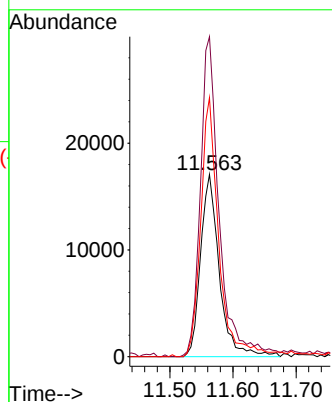
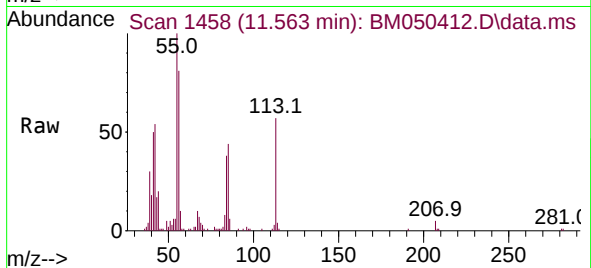
Tgt Ion:113 Resp: 35181

Ion Ratio Lower Upper

113 100

55 175.7 157.2 197.2

56 142.1 111.7 151.7



#36

4-Chloro-3-methylphenol

Concen: 6.262 ng

RT: 11.928 min Scan# 1520

Delta R.T. 0.012 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

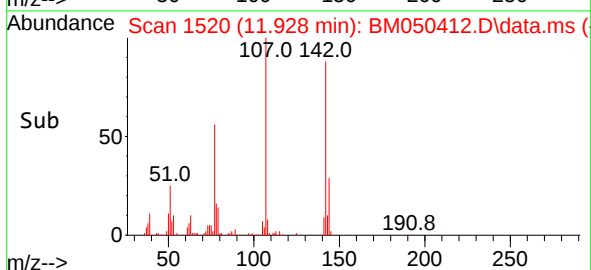
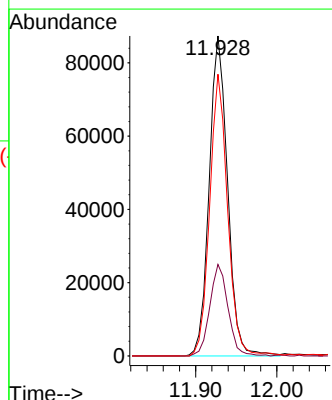
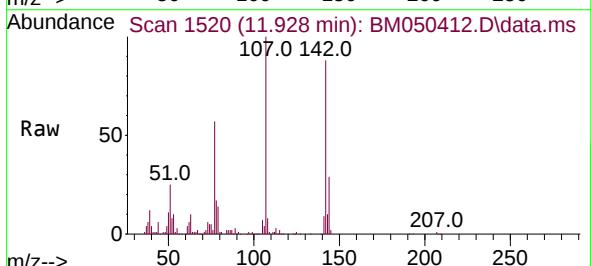
Tgt Ion:107 Resp: 137626

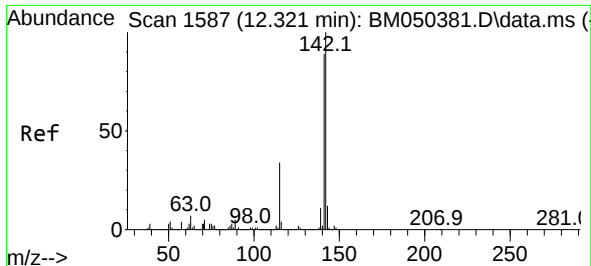
Ion Ratio Lower Upper

107 100

144 28.6 22.2 33.4

142 88.1 68.7 103.1

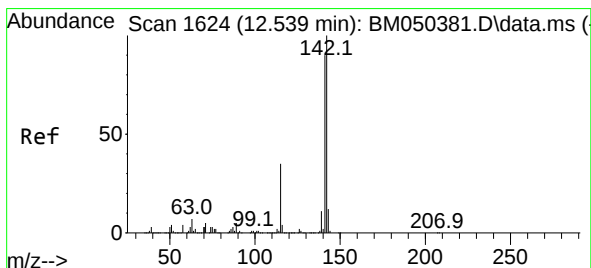
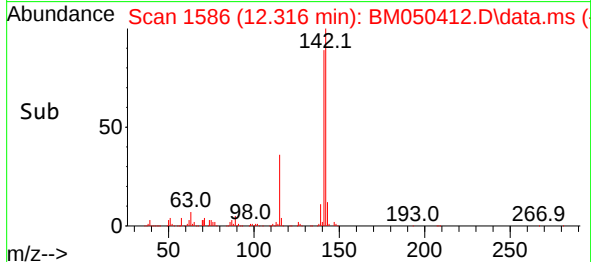
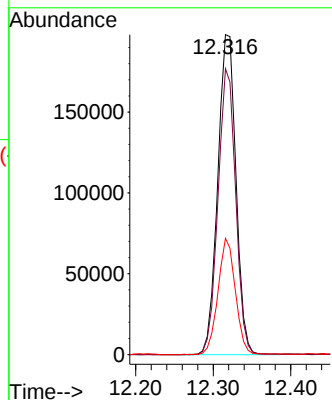
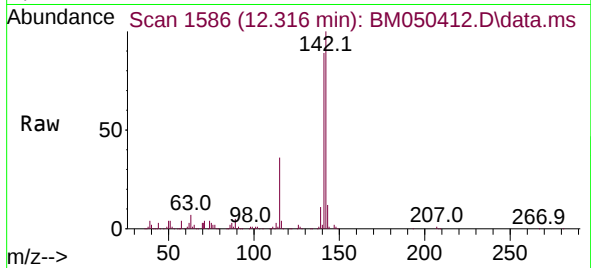




#37
2-Methylnaphthalene
Concen: 6.684 ng
RT: 12.316 min Scan# 1586
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

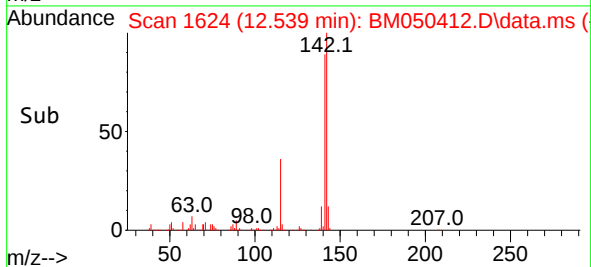
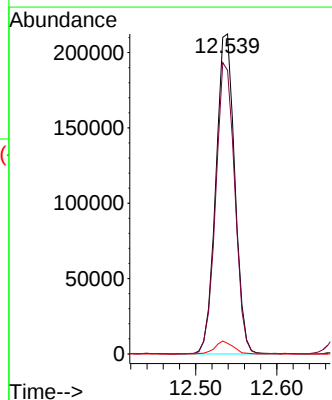
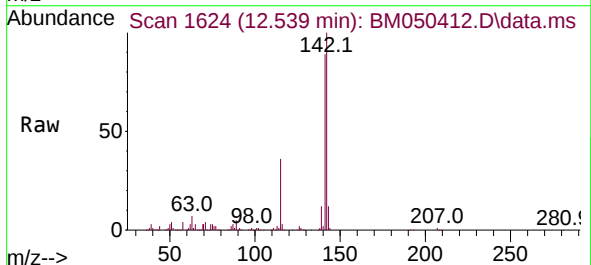
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

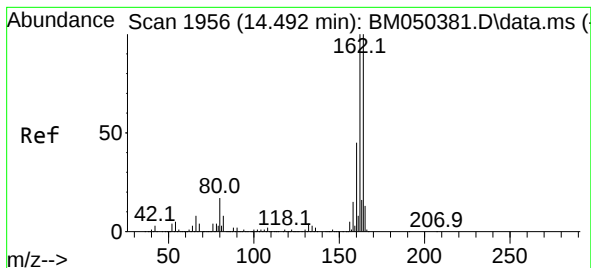
Tgt Ion:142 Resp: 323719
Ion Ratio Lower Upper
142 100
141 89.3 70.8 106.2
115 36.3 27.0 40.4



#38
1-Methylnaphthalene
Concen: 6.707 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.018 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:142 Resp: 343755
Ion Ratio Lower Upper
142 100
141 88.6 71.9 107.9
116 3.3 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.492 min Scan# 1956

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

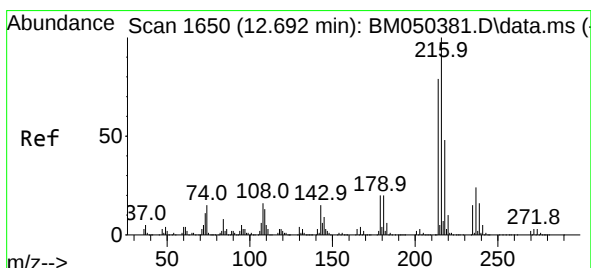
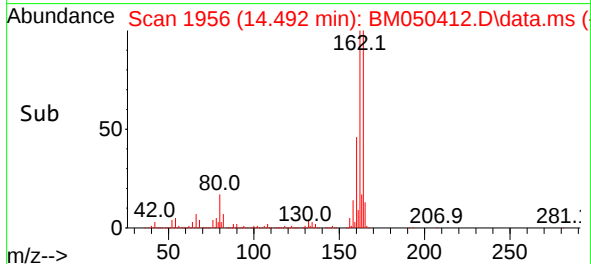
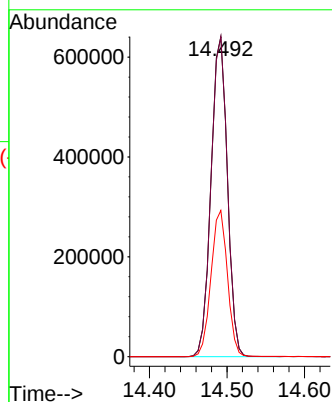
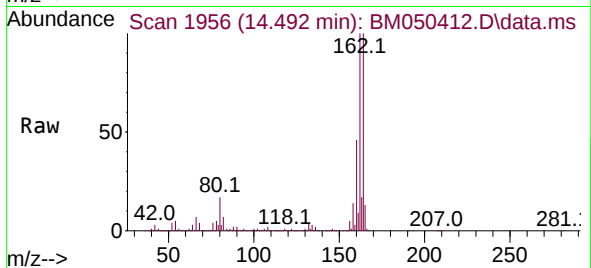
Tgt Ion:164 Resp: 938116

Ion Ratio Lower Upper

164 100

162 100.1 79.9 119.9

160 45.7 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 6.863 ng

RT: 12.686 min Scan# 1649

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Tgt Ion:216 Resp: 204733

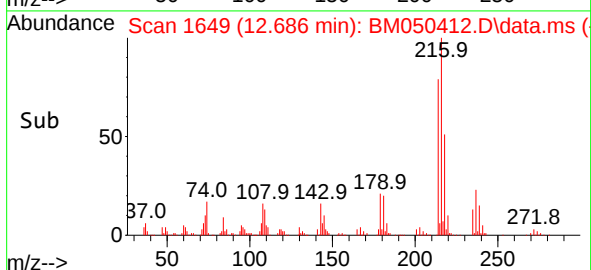
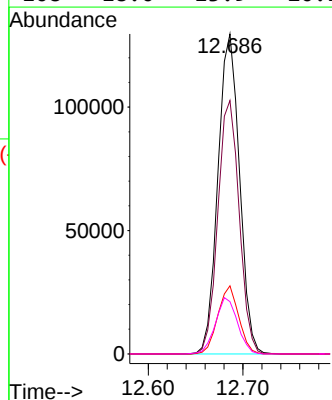
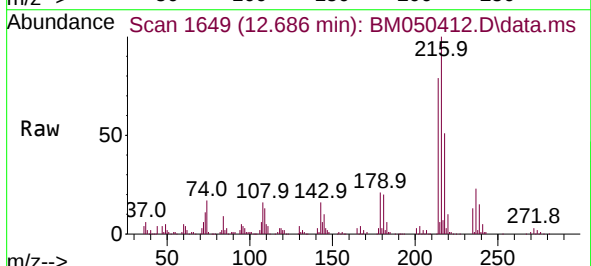
Ion Ratio Lower Upper

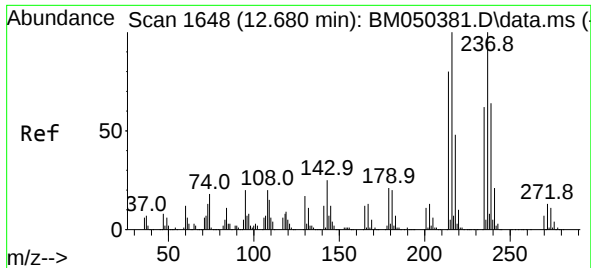
216 100

214 78.4 63.3 94.9

179 20.6 16.4 24.6

108 18.0 13.9 20.9

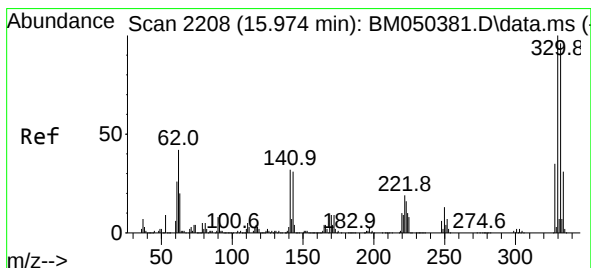
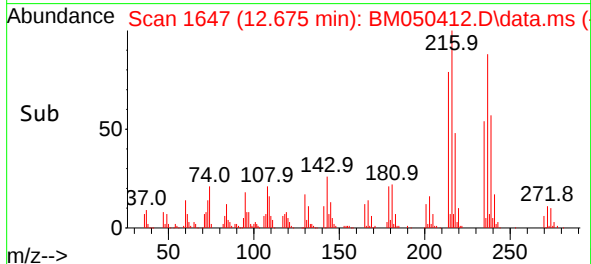
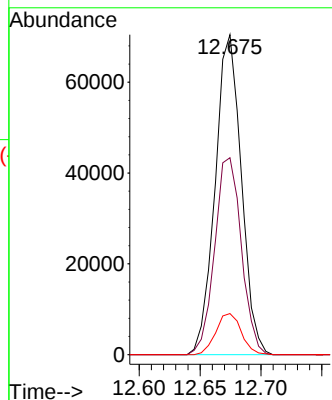
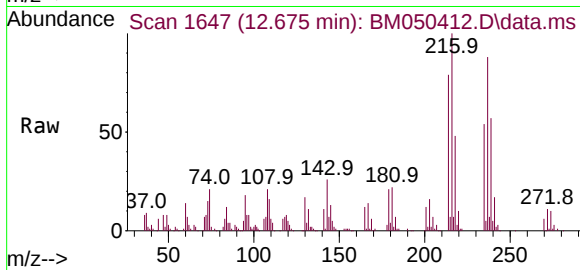




#41
Hexachlorocyclopentadiene
Concen: 5.524 ng
RT: 12.675 min Scan# 1647
Delta R.T. 0.018 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

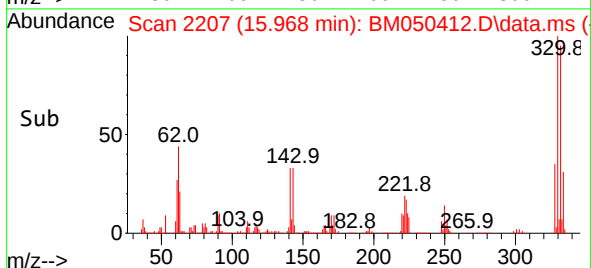
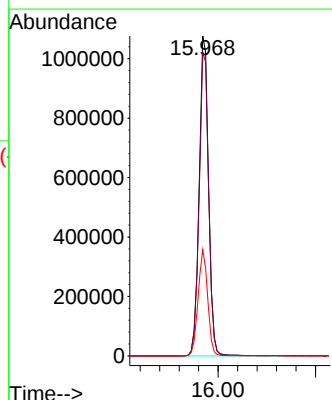
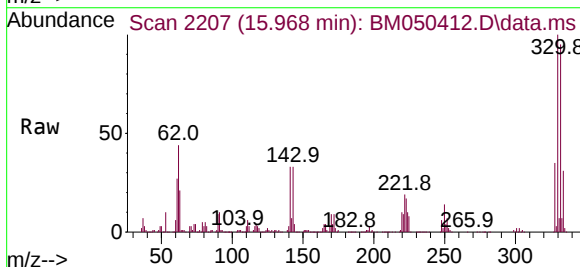
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

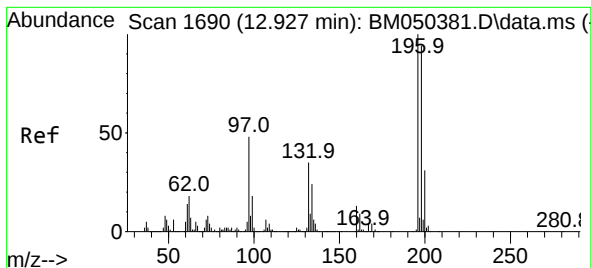
Tgt Ion:237	Resp: 105333
Ion Ratio	Lower Upper
237	100
235	61.5 42.3 82.3
272	12.8 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 126.058 ng
RT: 15.968 min Scan# 2207
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:330	Resp: 1436831
Ion Ratio	Lower Upper
330	100
332	95.9 76.9 115.3
141	33.8 27.4 41.0





#43

2,4,6-Trichlorophenol

Concen: 6.006 ng

RT: 12.922 min Scan# 1

Delta R.T. 0.012 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

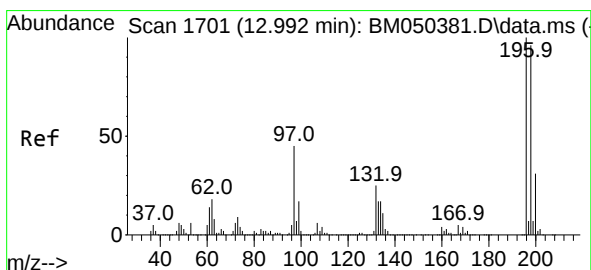
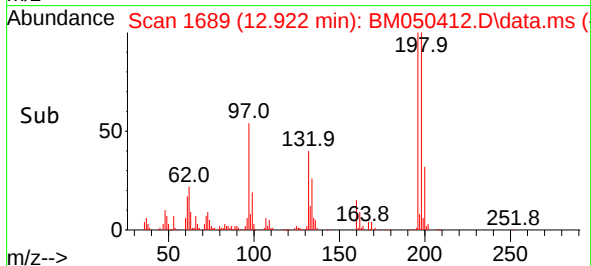
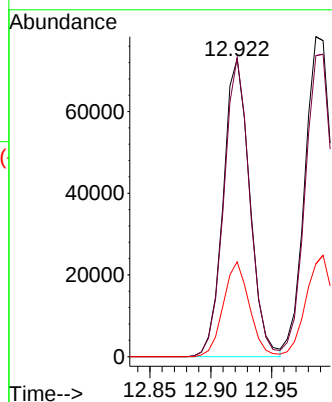
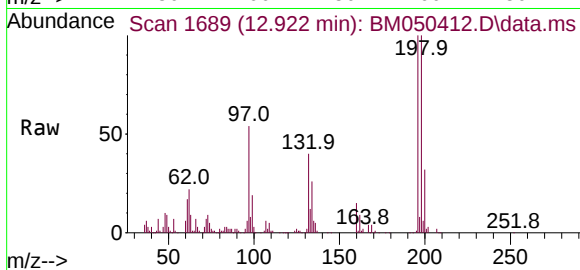
Tgt Ion:196 Resp: 110289

Ion Ratio Lower Upper

196 100

198 100.5 75.1 112.7

200 31.9 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 6.298 ng

RT: 12.986 min Scan# 1700

Delta R.T. 0.012 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Tgt Ion:196 Resp: 126315

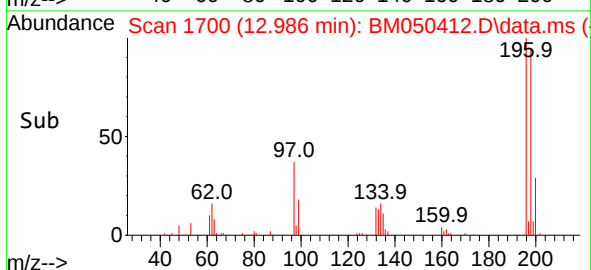
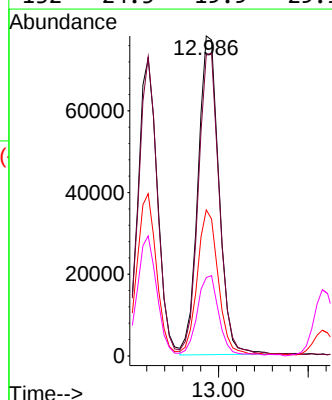
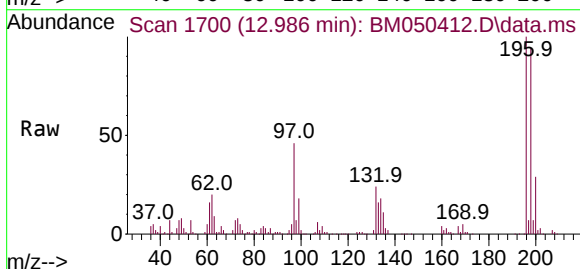
Ion Ratio Lower Upper

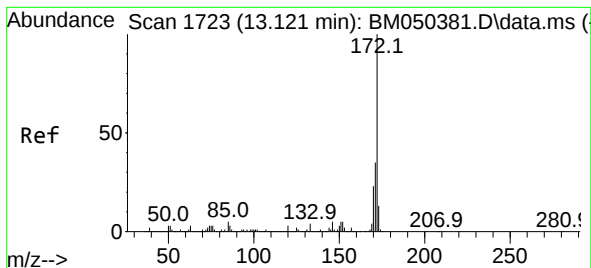
196 100

198 94.1 77.2 115.8

97 45.6 36.2 54.4

132 24.5 19.9 29.9





#45

2-Fluorobiphenyl

Concen: 76.184 ng

RT: 13.116 min Scan# 1722

Delta R.T. 0.012 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

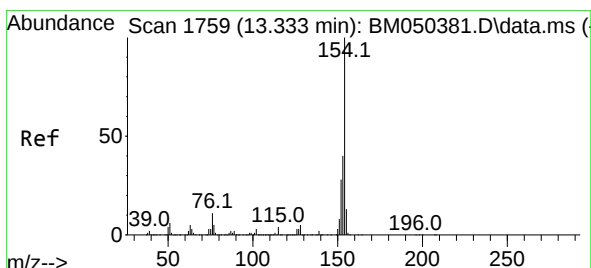
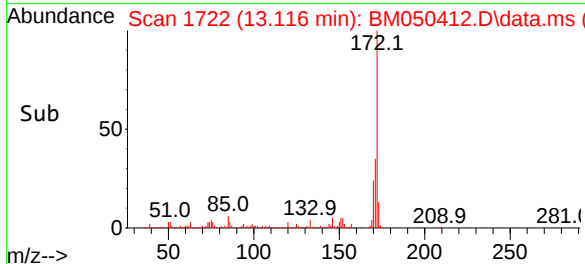
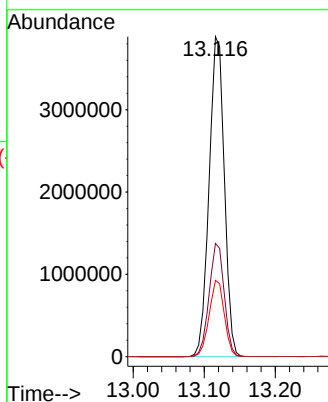
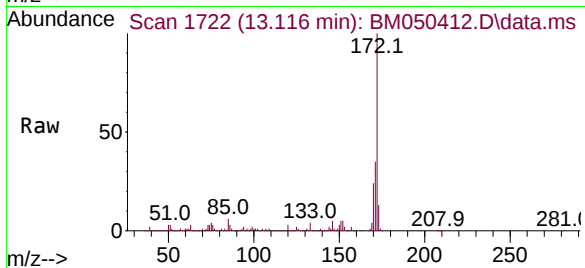
Tgt Ion:172 Resp: 5787312

Ion Ratio Lower Upper

172 100

171 35.4 27.7 41.5

170 23.8 18.8 28.2



#46

1,1'-Biphenyl

Concen: 7.175 ng

RT: 13.327 min Scan# 1758

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

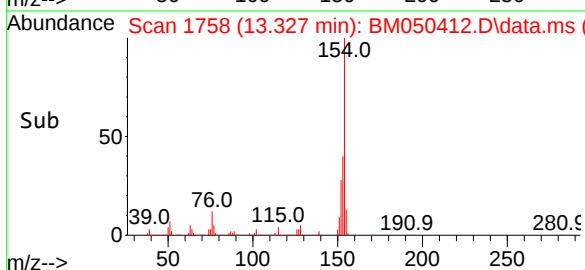
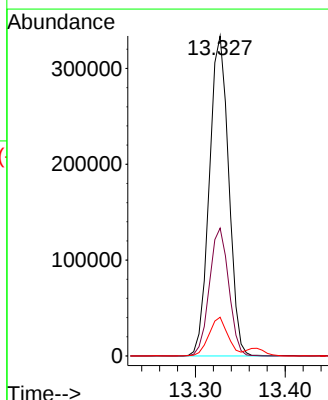
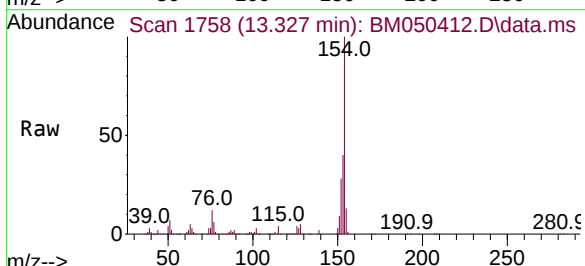
Tgt Ion:154 Resp: 499405

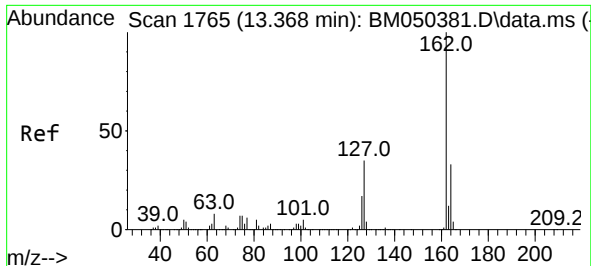
Ion Ratio Lower Upper

154 100

153 39.9 19.7 59.7

76 12.1 0.0 30.9





#47

2-Chloronaphthalene

Concen: 7.179 ng

RT: 13.369 min Scan# 1765

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

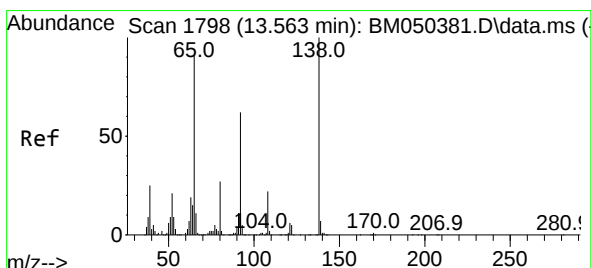
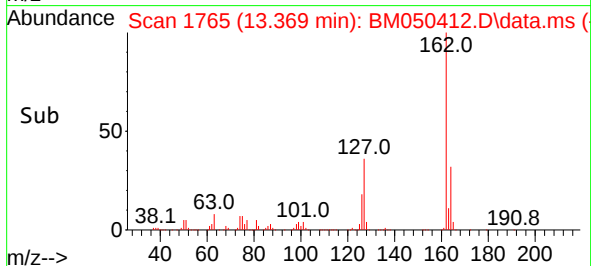
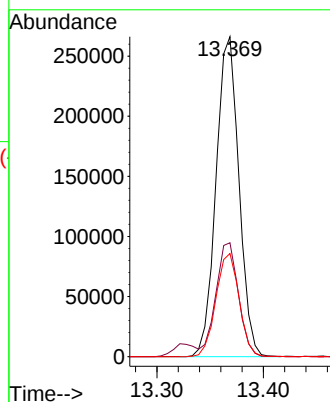
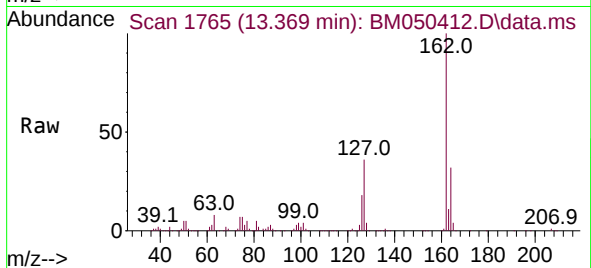
Tgt Ion:162 Resp: 398414

Ion Ratio Lower Upper

162 100

127 35.6 28.3 42.5

164 32.2 26.6 40.0



#48

2-Nitroaniline

Concen: 5.737 ng

RT: 13.557 min Scan# 1797

Delta R.T. 0.012 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

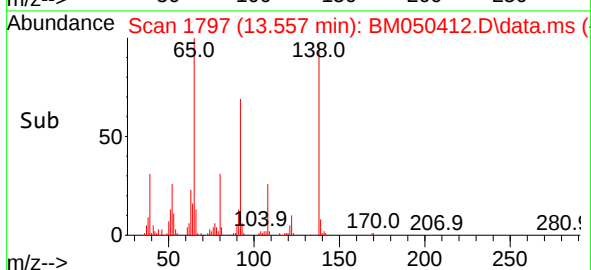
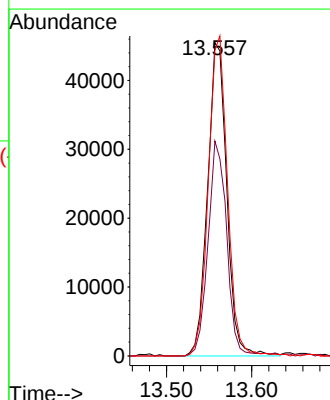
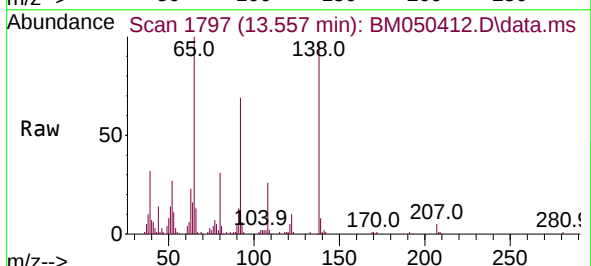
Tgt Ion: 65 Resp: 71061

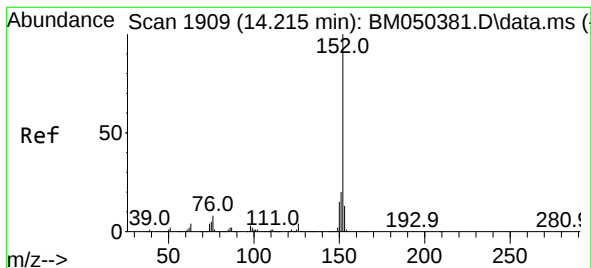
Ion Ratio Lower Upper

65 100

92 68.6 54.3 81.5

138 97.5 87.8 131.6





#49

Acenaphthylene

Concen: 6.680 ng

RT: 14.210 min Scan# 1909

Delta R.T. 0.012 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

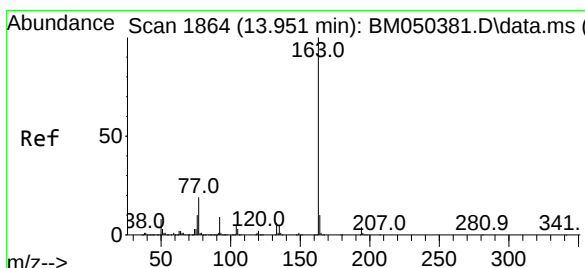
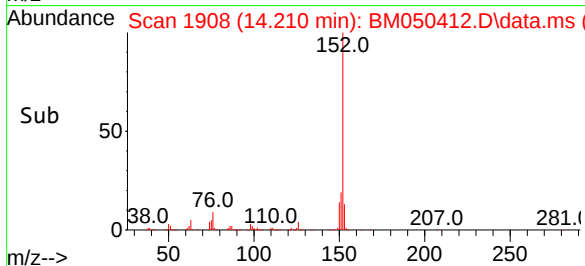
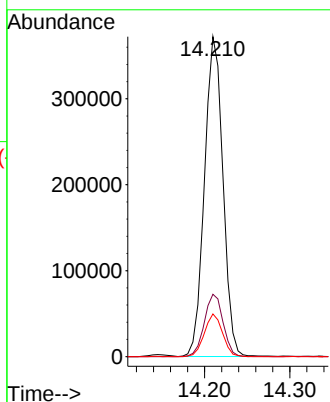
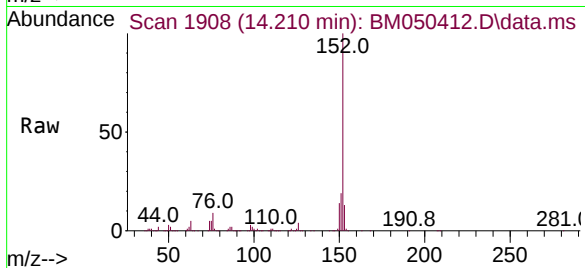
Tgt Ion:152 Resp: 560240

Ion Ratio Lower Upper

152 100

151 19.5 16.3 24.5

153 13.3 10.6 15.8



#50

Dimethylphthalate

Concen: 6.838 ng

RT: 13.945 min Scan# 1863

Delta R.T. 0.012 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

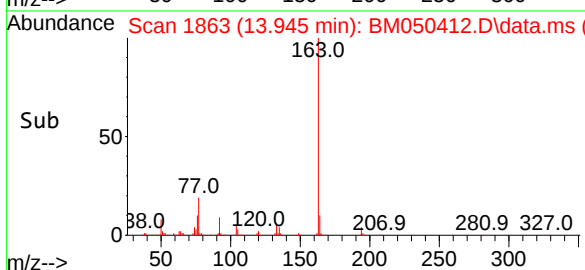
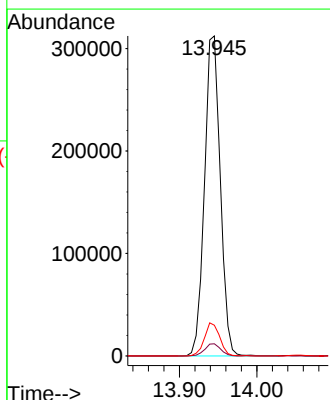
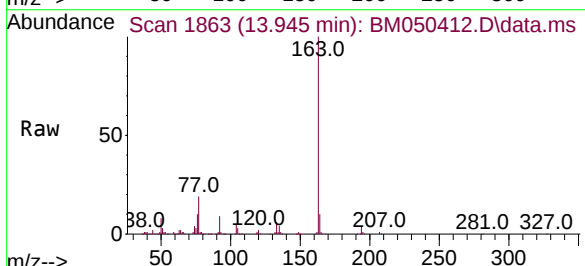
Tgt Ion:163 Resp: 441664

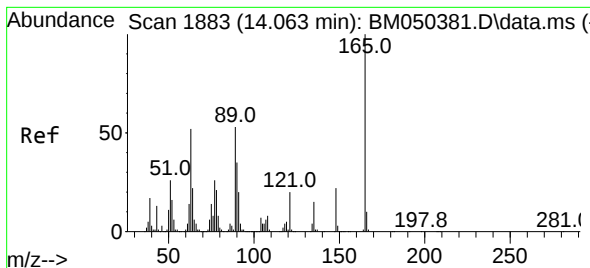
Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.2

164 9.6 8.2 12.2

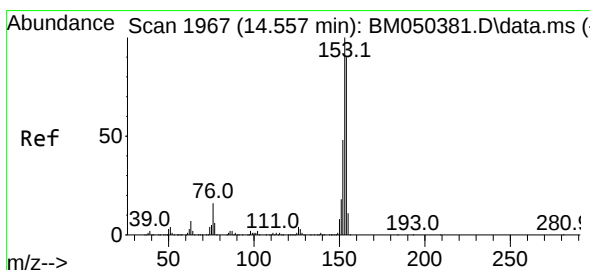
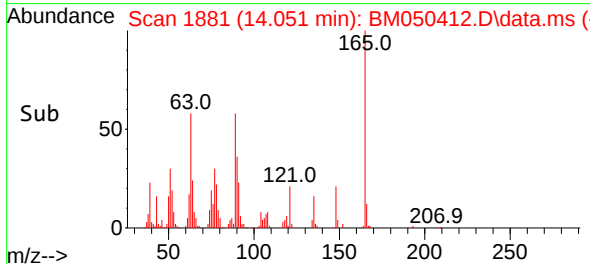
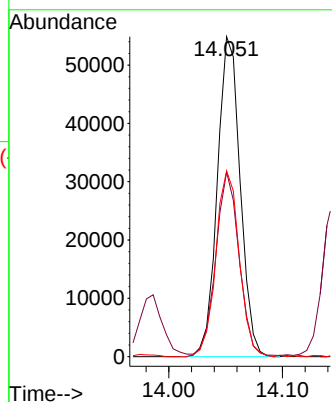
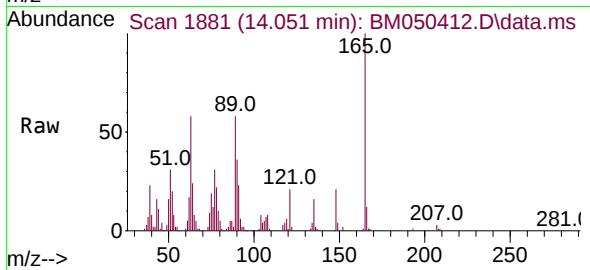




#51
2,6-Dinitrotoluene
Concen: 6.174 ng
RT: 14.051 min Scan# 1881
Delta R.T. 0.006 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

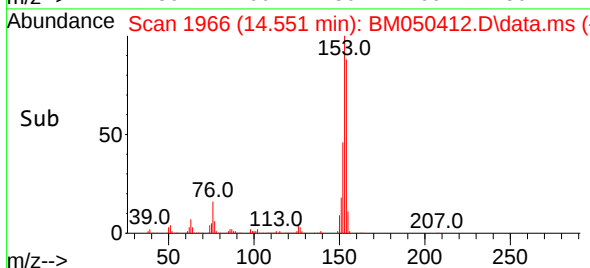
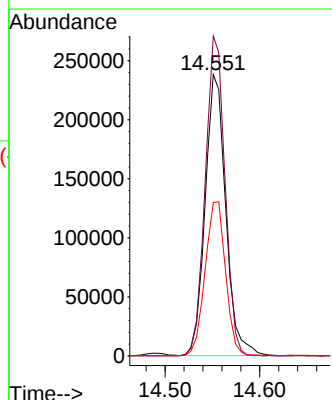
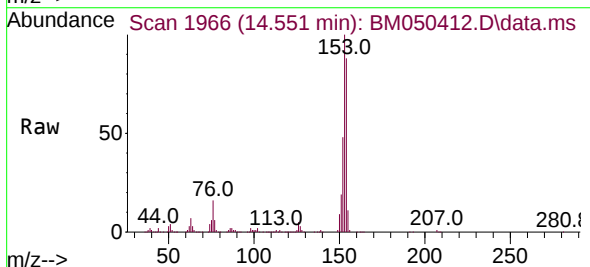
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

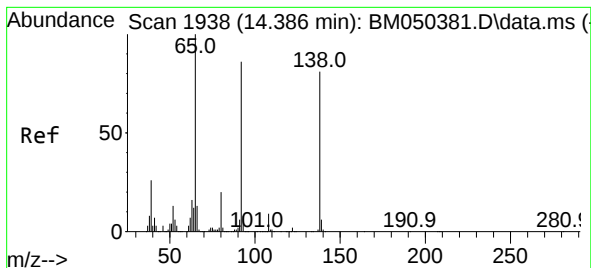
Tgt Ion:165 Resp: 76559
Ion Ratio Lower Upper
165 100
63 57.7 42.4 63.6
89 58.0 42.2 63.2



#52
Acenaphthene
Concen: 6.765 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:154 Resp: 360713
Ion Ratio Lower Upper
154 100
153 113.7 89.2 133.8
152 54.5 42.6 64.0

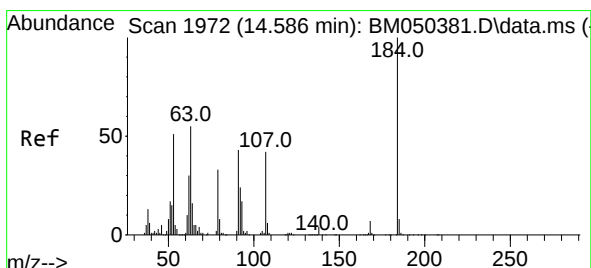
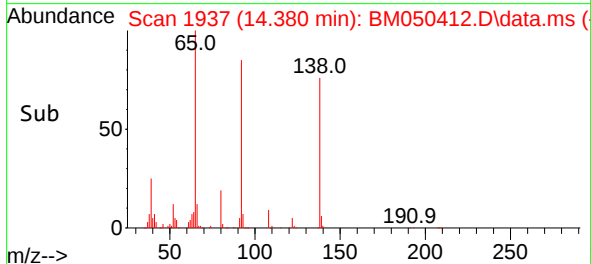
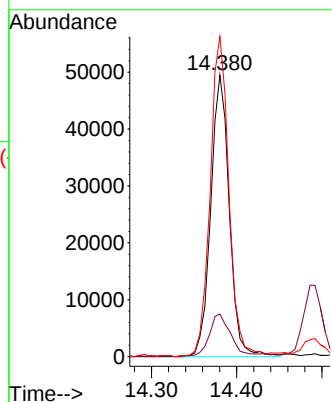
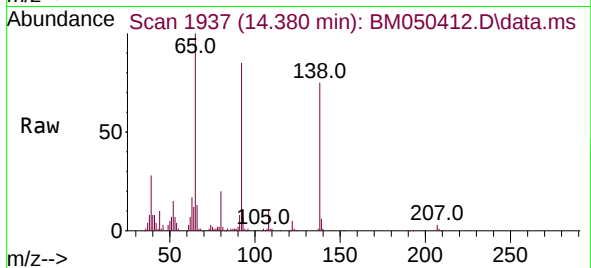




#53
3-Nitroaniline
Concen: 5.663 ng
RT: 14.380 min Scan# 1938
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

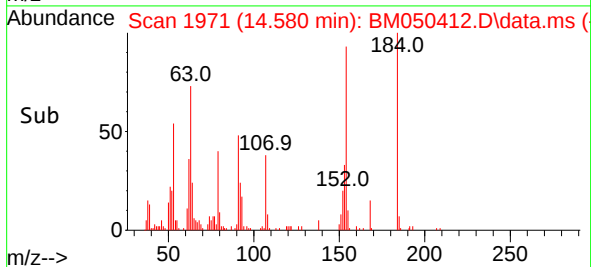
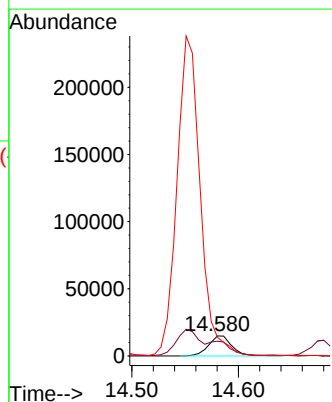
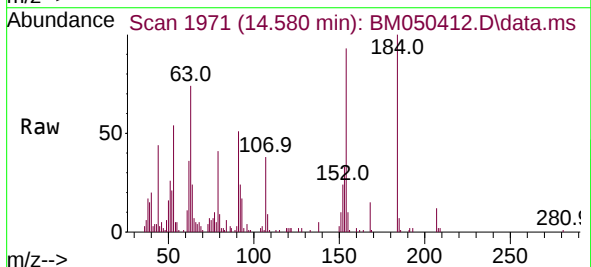
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

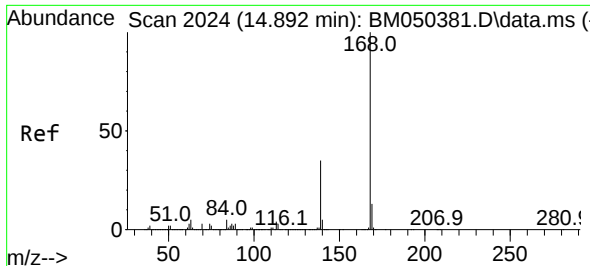
Tgt Ion:138 Resp: 74690
Ion Ratio Lower Upper
138 100
108 15.1 8.8 13.2#
92 113.7 85.0 127.6



#54
2,4-Dinitrophenol
Concen: 9.437 ng
RT: 14.580 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:184 Resp: 22540
Ion Ratio Lower Upper
184 100
63 73.6 53.4 80.0
154 92.8 61.6 92.4#

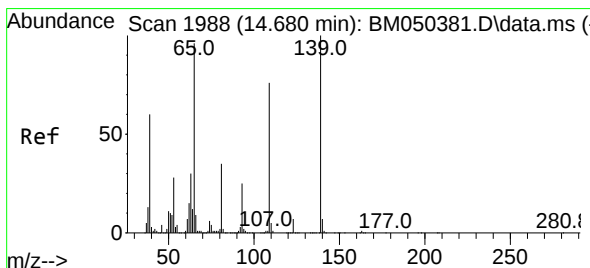
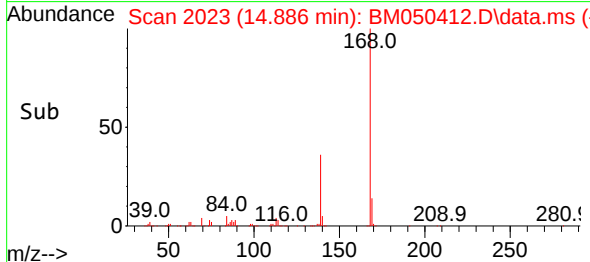
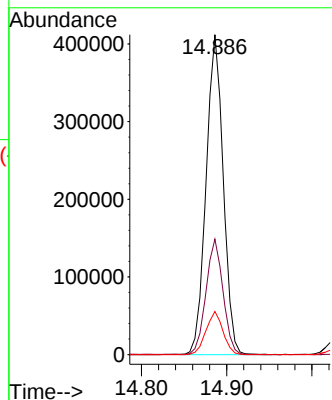
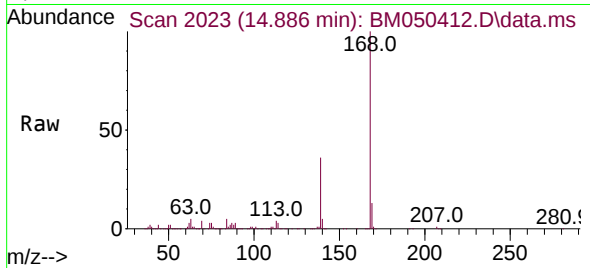




#55
Dibenzofuran
Concen: 7.008 ng
RT: 14.886 min Scan# 20
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

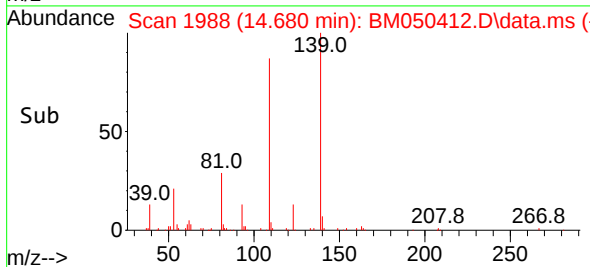
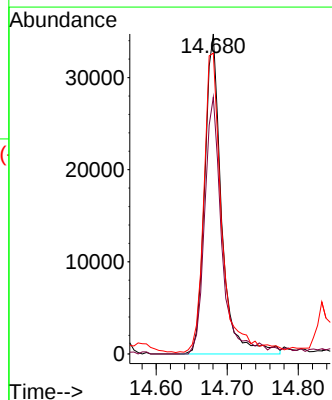
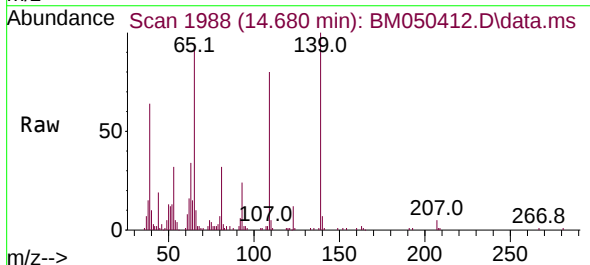
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

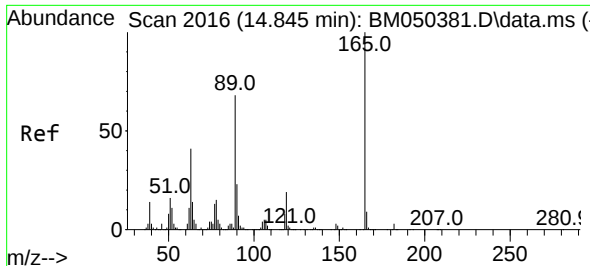
Tgt Ion:168 Resp: 575739
Ion Ratio Lower Upper
168 100
139 36.1 27.7 41.5
169 13.5 10.7 16.1



#56
4-Nitrophenol
Concen: 5.014 ng
RT: 14.680 min Scan# 1988
Delta R.T. 0.006 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:139 Resp: 56865
Ion Ratio Lower Upper
139 100
109 80.2 56.5 96.5
65 94.0 76.4 116.4

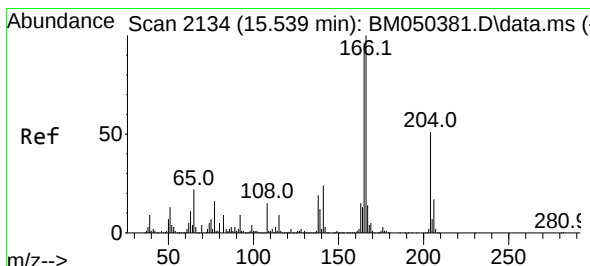
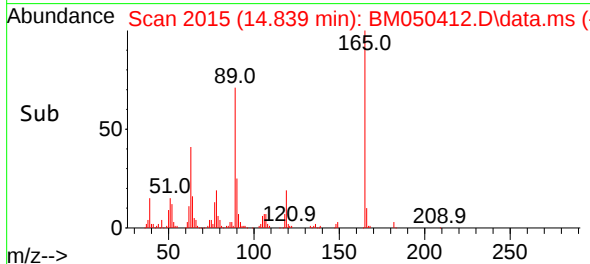
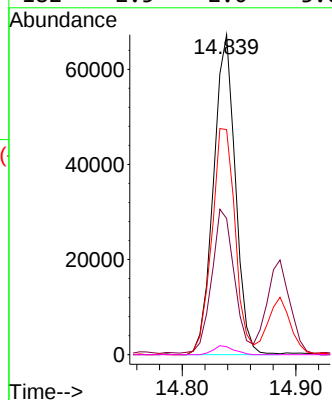
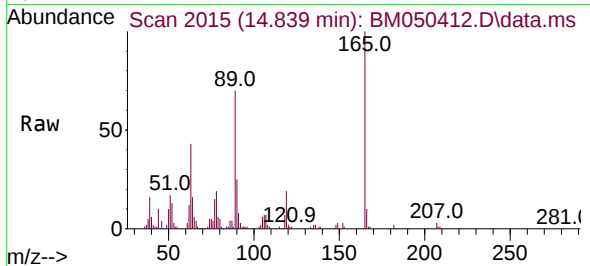




#57
2,4-Dinitrotoluene
Concen: 7.301 ng
RT: 14.839 min Scan# 2016
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

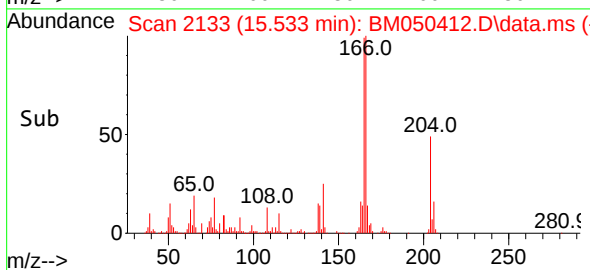
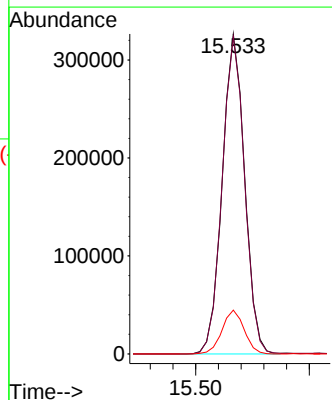
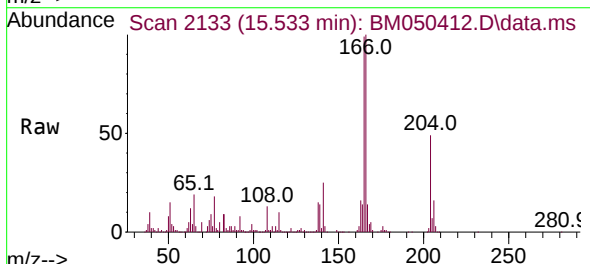
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

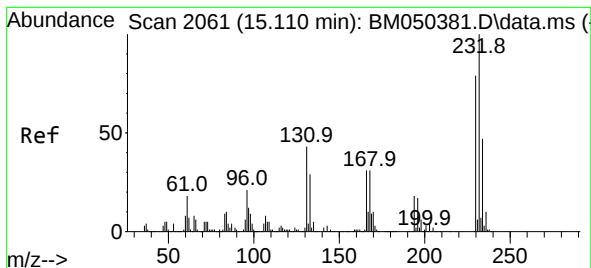
Tgt Ion:165 Resp: 90078
Ion Ratio Lower Upper
165 100
63 42.5 32.5 48.7
89 70.3 54.0 81.0
182 2.5 2.0 3.0



#58
Fluorene
Concen: 6.607 ng
RT: 15.533 min Scan# 2133
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:166 Resp: 447115
Ion Ratio Lower Upper
166 100
165 99.2 77.0 115.6
167 13.7 10.9 16.3

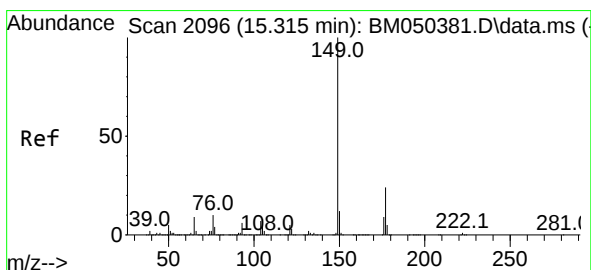
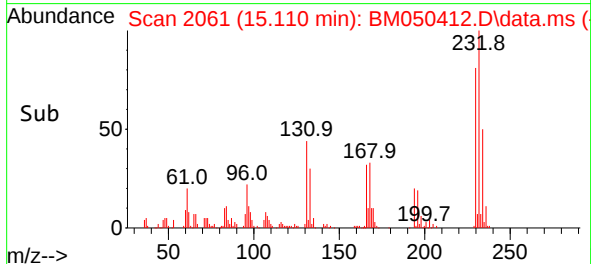
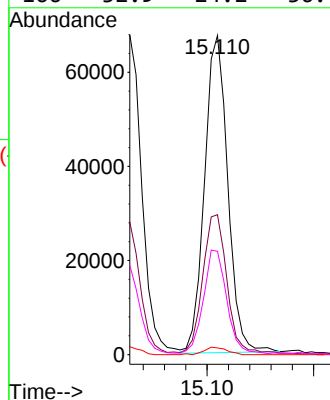
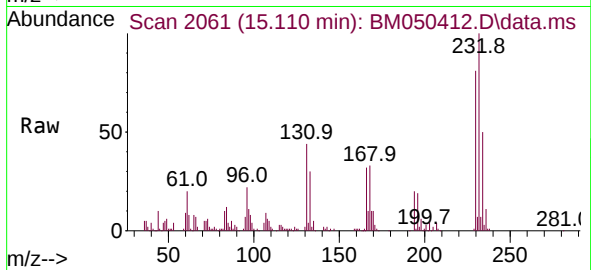




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.046 ng
RT: 15.110 min Scan# 2061
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

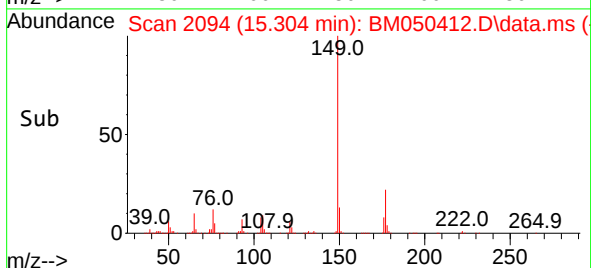
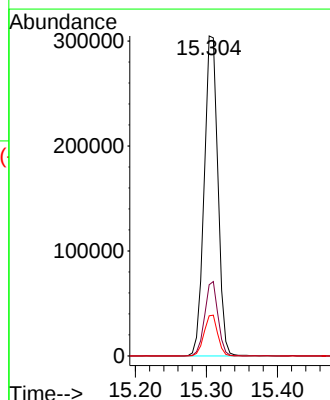
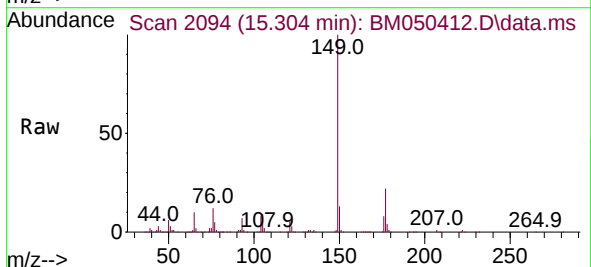
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

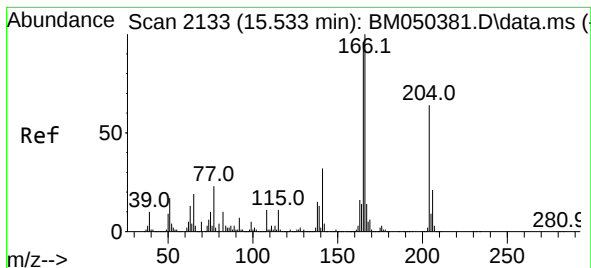
Tgt Ion:232 Resp: 102069
Ion Ratio Lower Upper
232 100
131 47.1 33.4 50.0
130 2.3 1.8 2.6
166 32.9 24.2 36.4



#60
Diethylphthalate
Concen: 6.580 ng
RT: 15.304 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:149 Resp: 405946
Ion Ratio Lower Upper
149 100
177 22.2 18.8 28.2
150 12.5 9.8 14.8

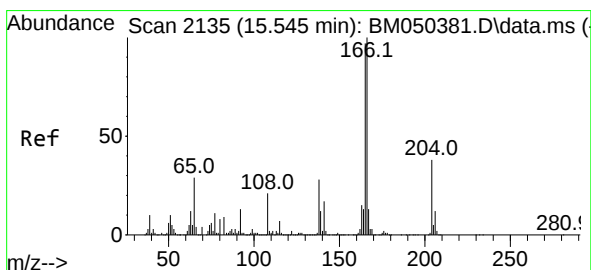
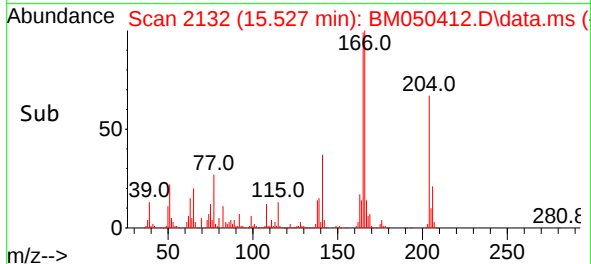
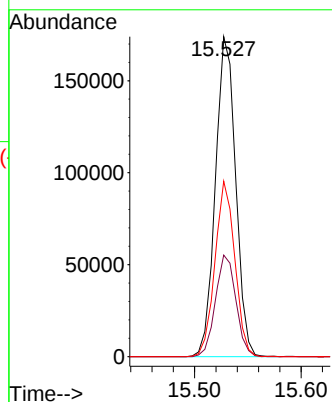
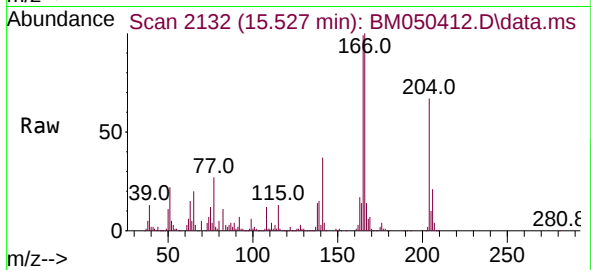




#61
4-Chlorophenyl-phenylether
Concen: 6.509 ng
RT: 15.527 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

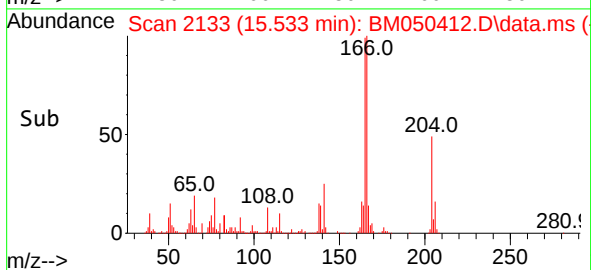
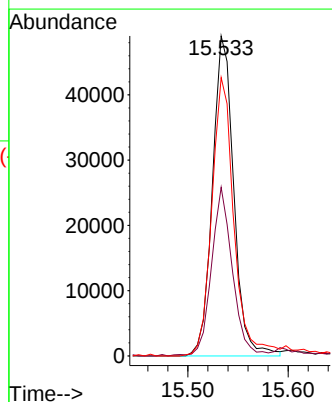
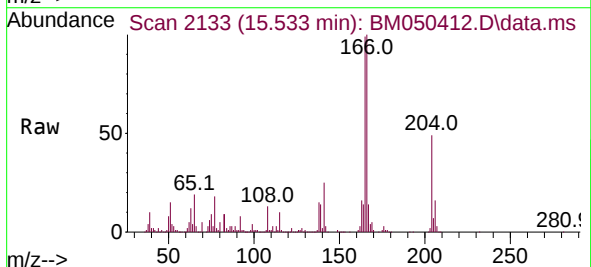
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

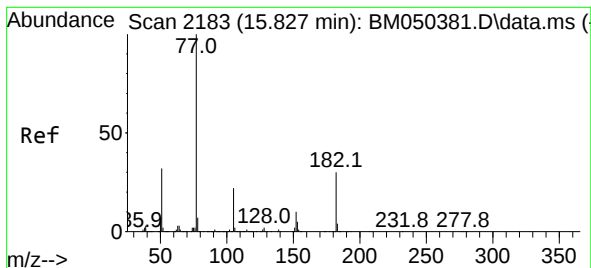
Tgt Ion:204 Resp: 230327
Ion Ratio Lower Upper
204 100
206 31.7 26.6 39.8
141 54.8 39.9 59.9



#62
4-Nitroaniline
Concen: 7.107 ng
RT: 15.533 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:138 Resp: 72440
Ion Ratio Lower Upper
138 100
92 52.7 24.5 64.5
108 87.0 52.5 92.5





#63

Azobenzene

Concen: 6.502 ng

RT: 15.821 min Scan# 21

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 77 Resp: 368330

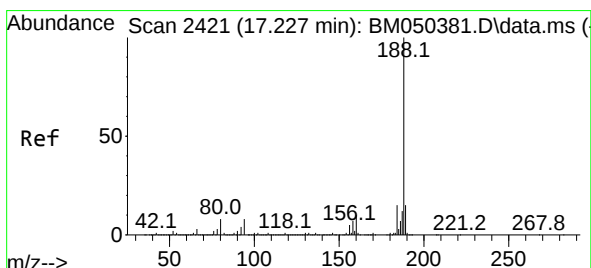
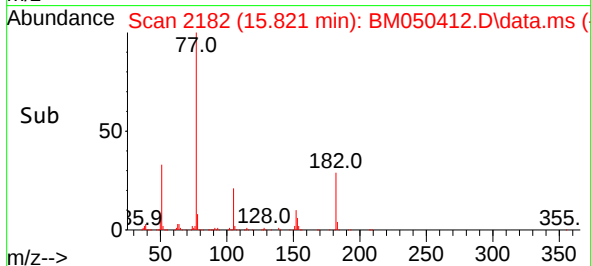
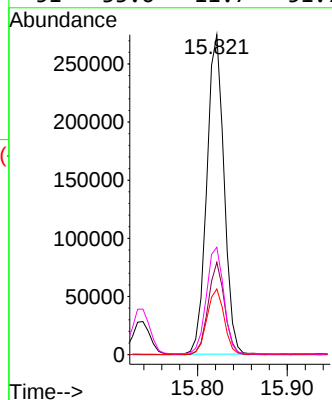
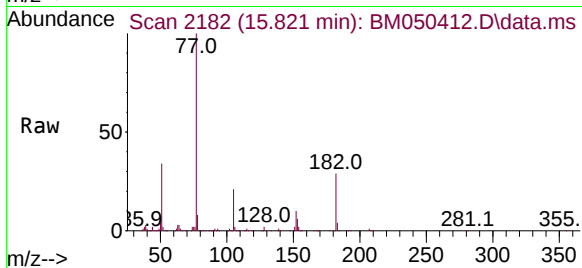
Ion Ratio Lower Upper

77 100

182 28.8 10.0 50.0

105 20.6 2.0 42.0

51 33.6 11.7 51.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 2420

Delta R.T. 0.012 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

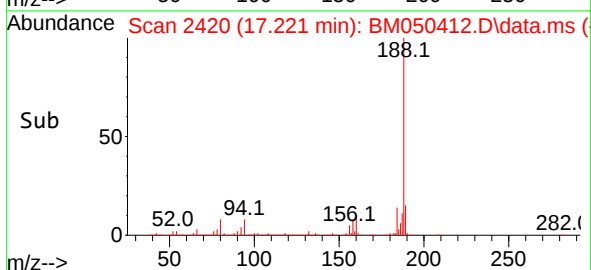
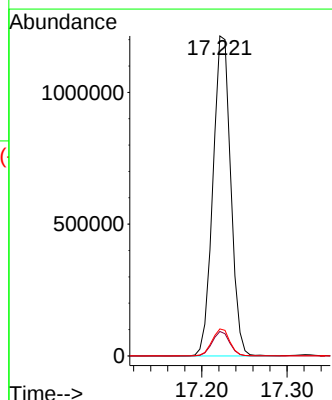
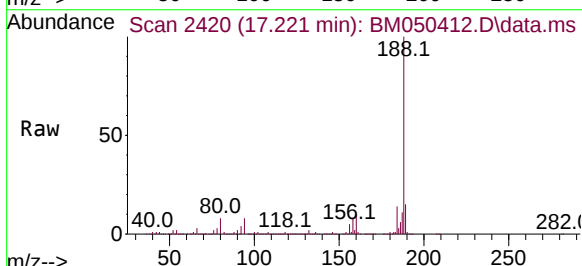
Tgt Ion:188 Resp: 1758539

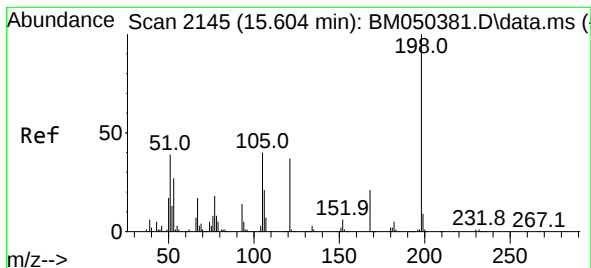
Ion Ratio Lower Upper

188 100

94 7.7 6.0 9.0

80 8.4 6.5 9.7

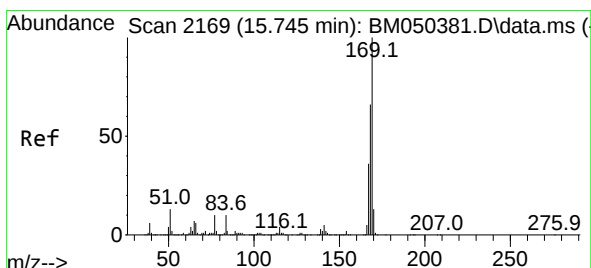
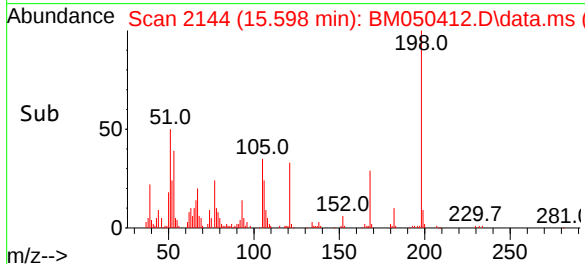
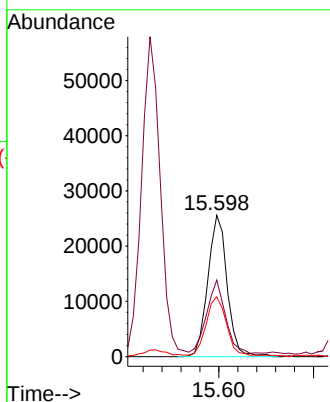
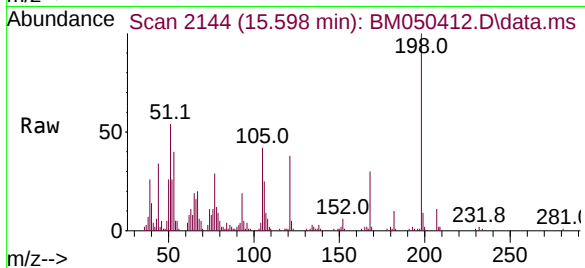




#65
4,6-Dinitro-2-methylphenol
Concen: 9.625 ng
RT: 15.598 min Scan# 2144
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

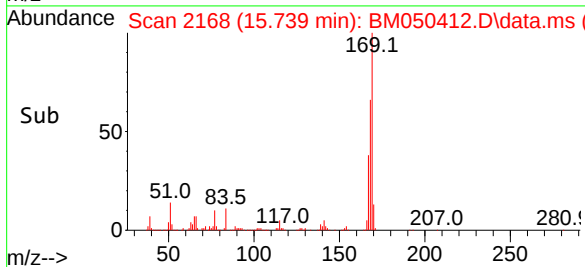
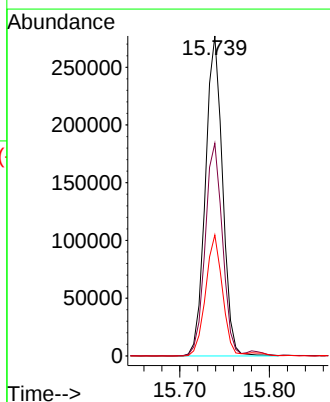
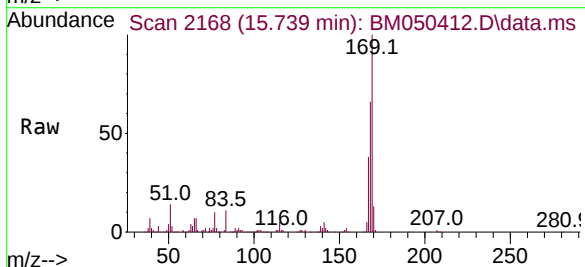
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

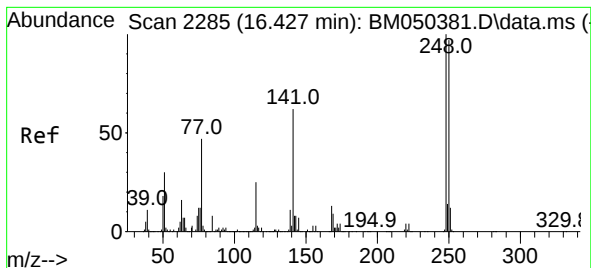
Tgt Ion:198	Resp:	36168
Ion Ratio	Lower	Upper
198	100	
51	54.2	26.6 66.6
105	42.3	20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 6.678 ng
RT: 15.739 min Scan# 2168
Delta R.T. 0.018 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:169	Resp:	367499
Ion Ratio	Lower	Upper
169	100	
168	66.4	53.2 79.8
167	37.8	28.7 43.1

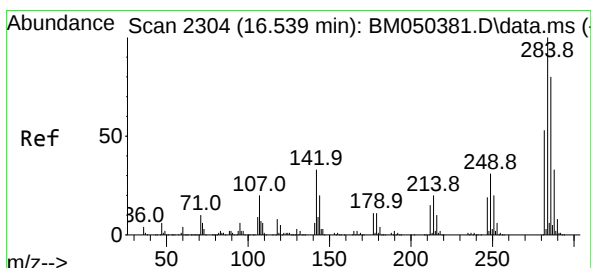
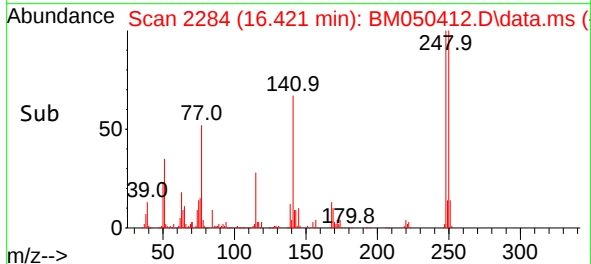
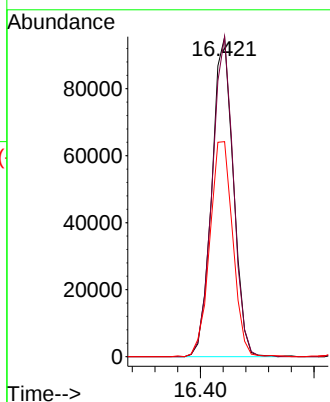
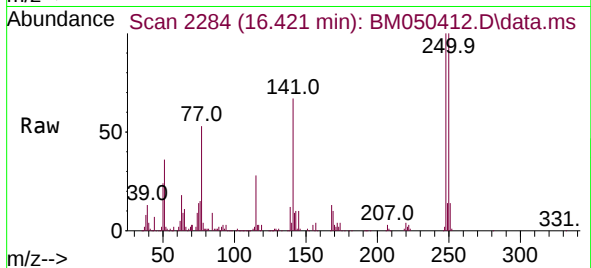




#67
4-Bromophenyl-phenylether
Concen: 6.471 ng
RT: 16.421 min Scan# 21
Delta R.T. 0.018 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

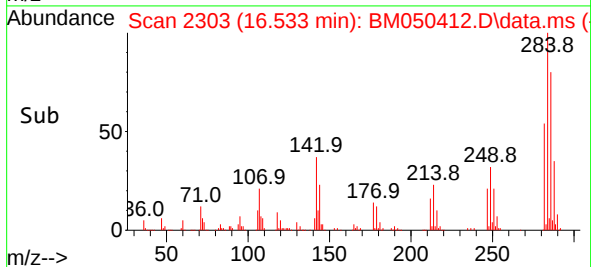
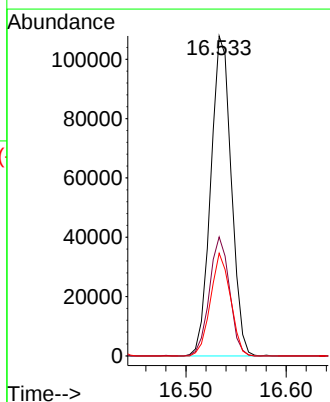
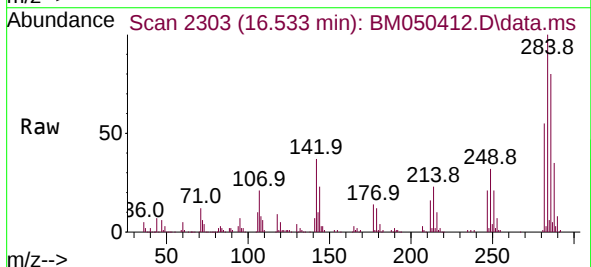
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

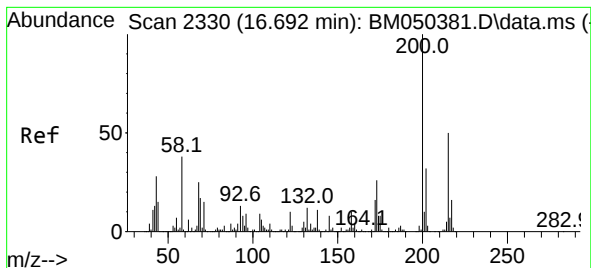
Tgt Ion:	248	Resp:	125374
Ion Ratio	Lower	Upper	
248	100		
250	100.2	77.9	116.9
141	67.3	49.7	74.5



#68
Hexachlorobenzene
Concen: 6.682 ng
RT: 16.533 min Scan# 2303
Delta R.T. 0.012 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:	284	Resp:	152900
Ion Ratio	Lower	Upper	
284	100		
142	37.2	26.8	40.2
249	32.1	24.5	36.7





#69

Atrazine

Concen: 6.187 ng

RT: 16.680 min Scan# 2330

Delta R.T. 0.006 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

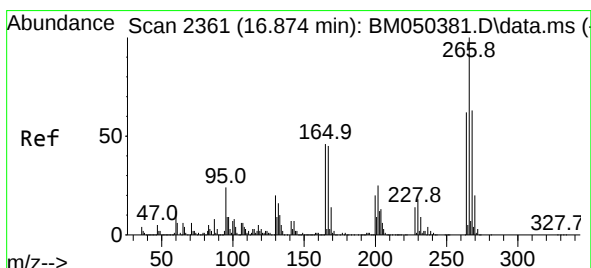
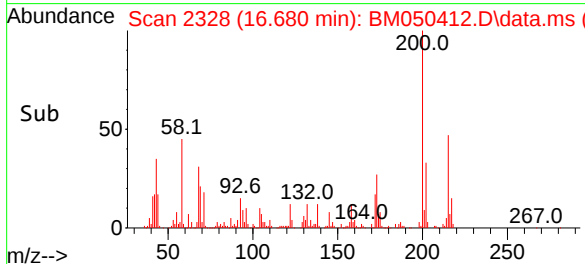
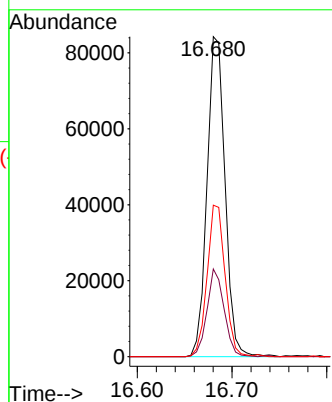
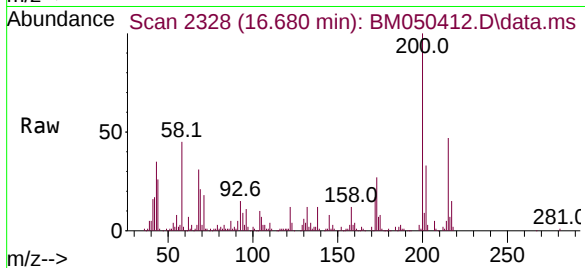
Tgt Ion:200 Resp: 111789

Ion Ratio Lower Upper

200 100

173 27.4 5.6 45.6

215 47.3 29.6 69.6



#70

Pentachlorophenol

Concen: 5.250 ng

RT: 16.874 min Scan# 2361

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

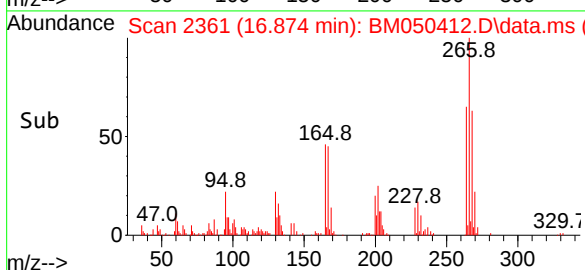
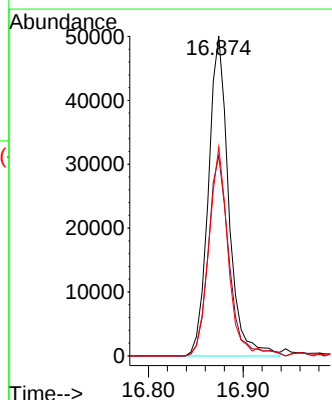
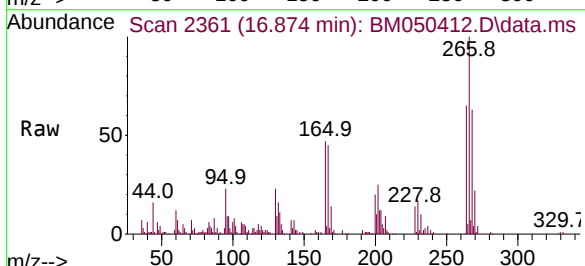
Tgt Ion:266 Resp: 74782

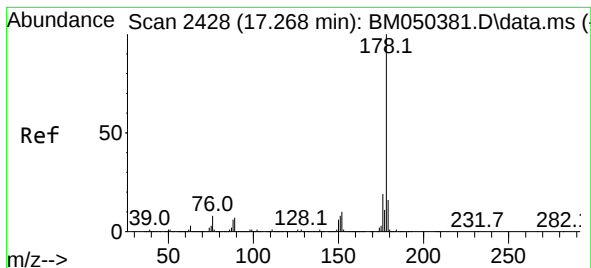
Ion Ratio Lower Upper

266 100

268 62.5 50.5 75.7

264 65.3 49.9 74.9





#71

Phenanthrene

Concen: 6.940 ng

RT: 17.268 min Scan# 2428

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

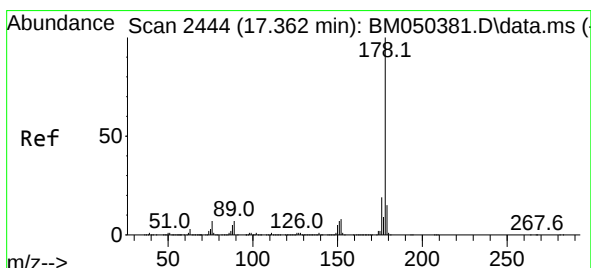
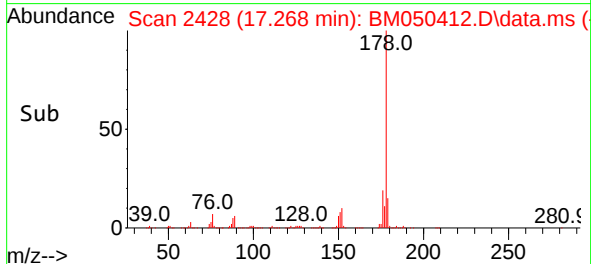
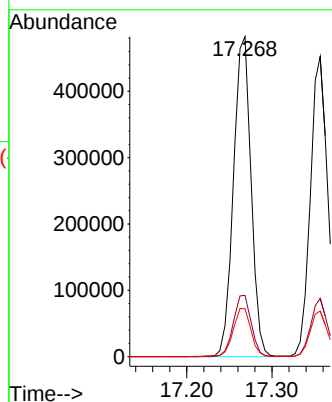
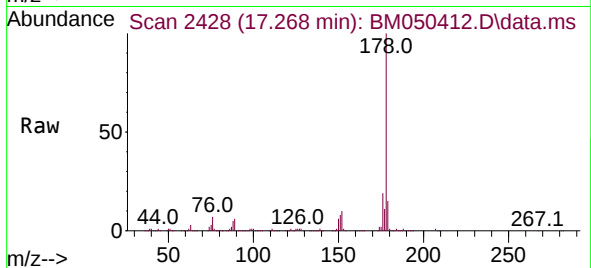
Tgt Ion:178 Resp: 690566

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 15.0 12.5 18.7



#72

Anthracene

Concen: 6.544 ng

RT: 17.357 min Scan# 2443

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

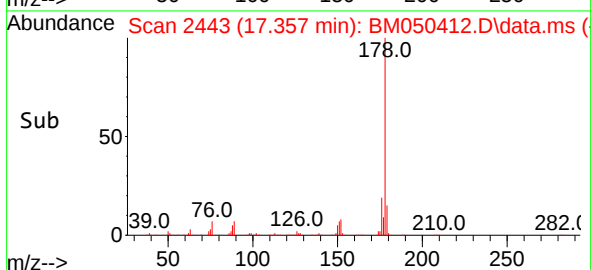
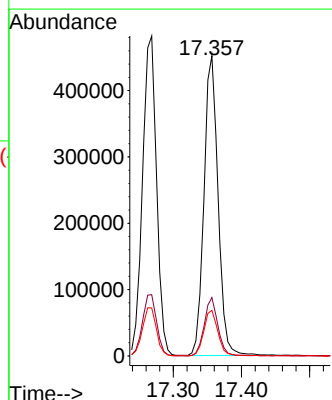
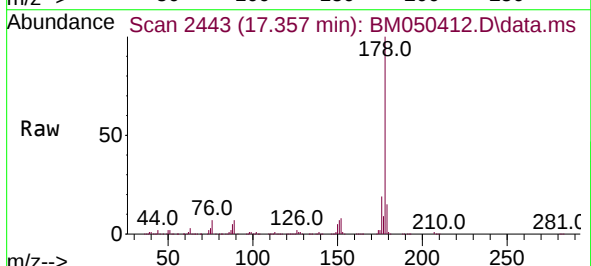
Tgt Ion:178 Resp: 648228

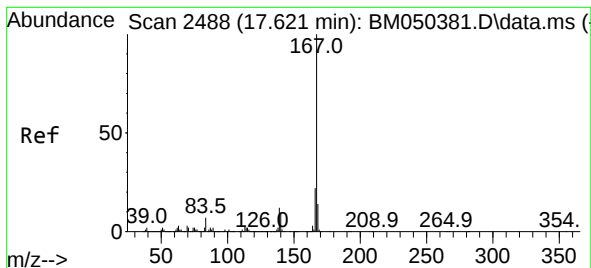
Ion Ratio Lower Upper

178 100

176 19.4 14.9 22.3

179 15.2 12.2 18.4





#73

Carbazole

Concen: 6.633 ng

RT: 17.621 min Scan# 24

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

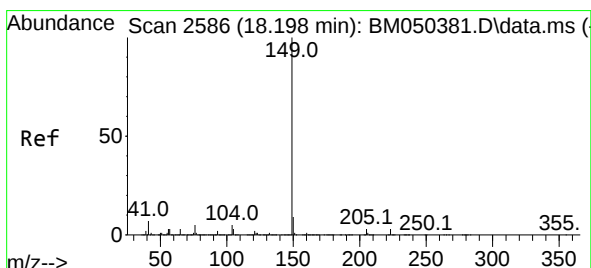
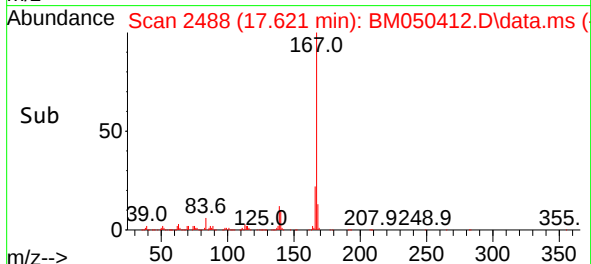
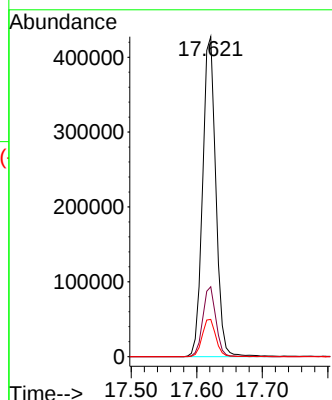
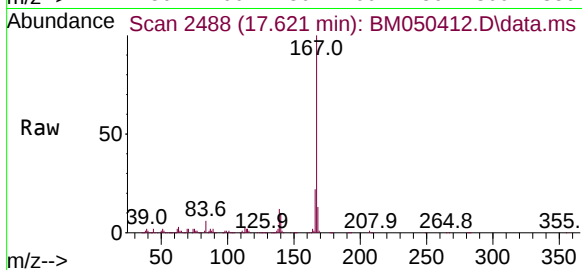
Tgt Ion:167 Resp: 594443

Ion Ratio Lower Upper

167 100

166 21.8 17.2 25.8

139 11.6 9.9 14.9



#74

Di-n-butylphthalate

Concen: 5.895 ng

RT: 18.192 min Scan# 2585

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

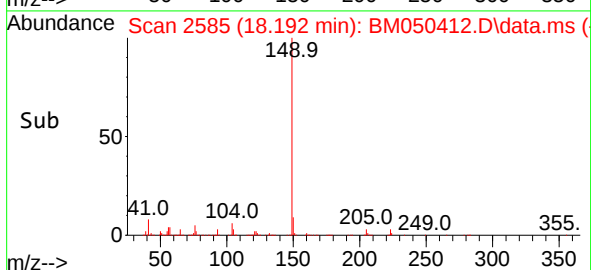
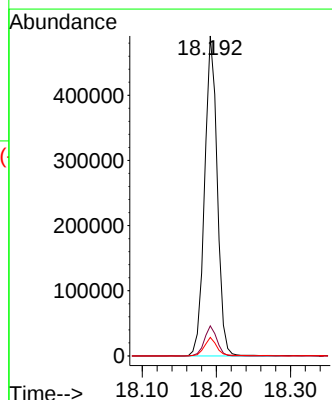
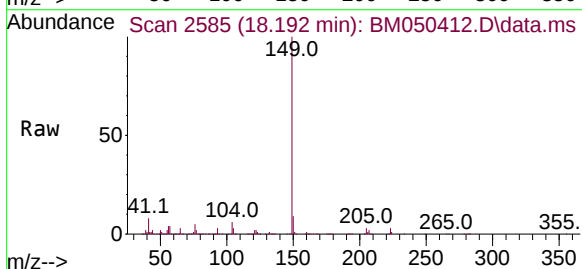
Tgt Ion:149 Resp: 578230

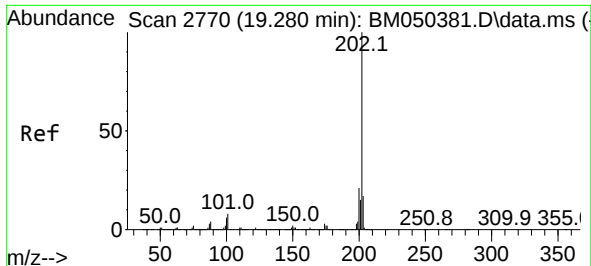
Ion Ratio Lower Upper

149 100

150 9.4 7.3 10.9

104 5.8 3.9 5.9

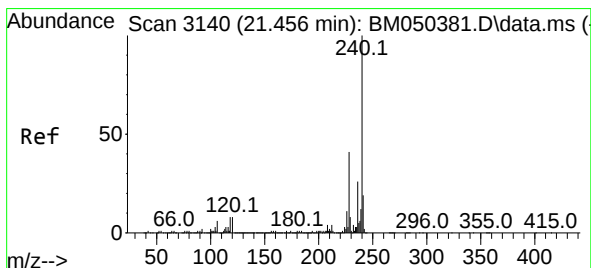
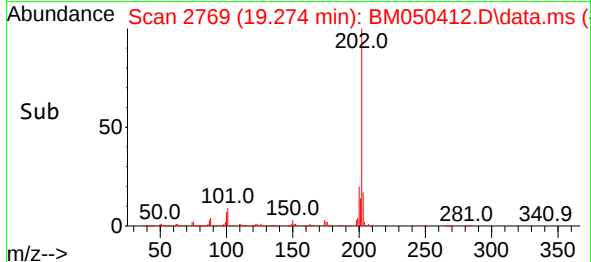
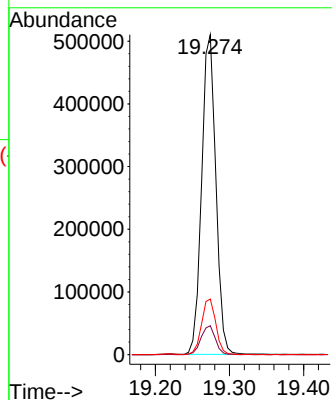
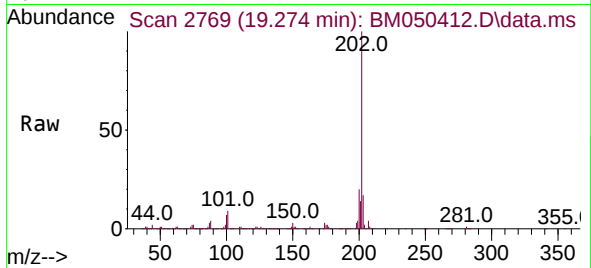




#75
Fluoranthene
Concen: 6.261 ng
RT: 19.274 min Scan# 21
Delta R.T. 0.018 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

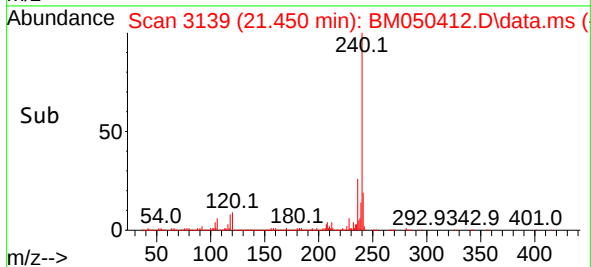
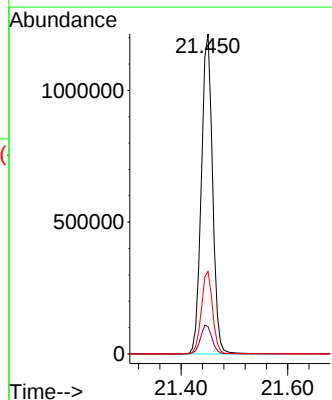
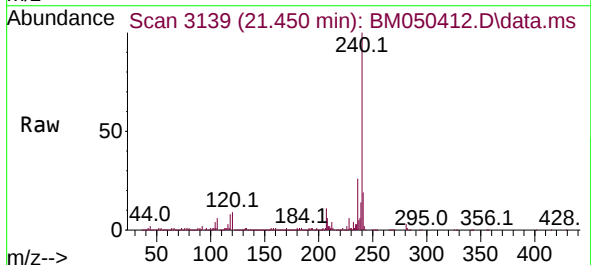
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

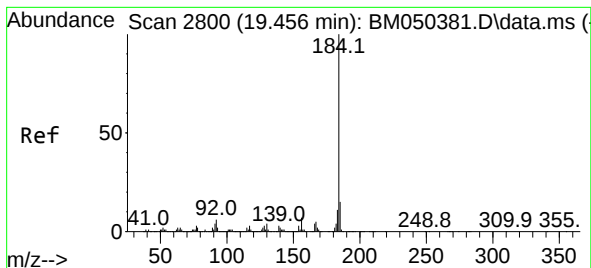
Tgt Ion:202 Resp: 677265
Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.3
203 17.4 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3139
Delta R.T. 0.018 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:240 Resp: 1770801
Ion Ratio Lower Upper
240 100
120 8.6 6.7 10.1
236 25.8 20.7 31.1





#77

Benzidine

Concen: 5.785 ng

RT: 19.451 min Scan# 21

Delta R.T. 0.012 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

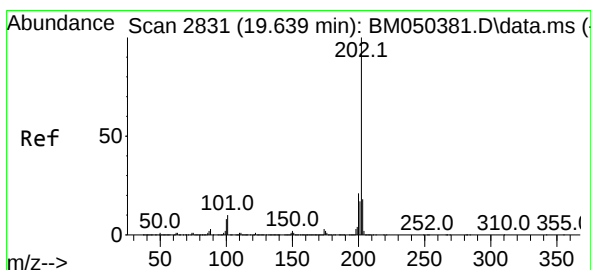
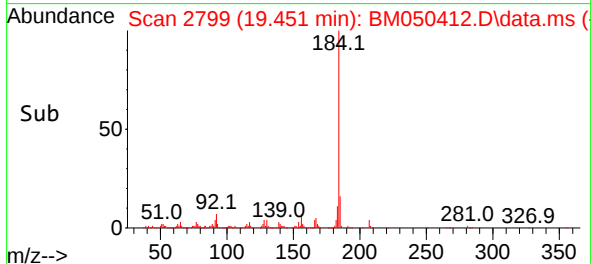
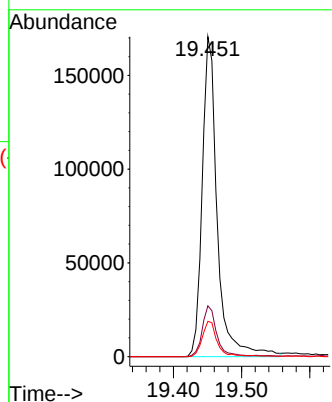
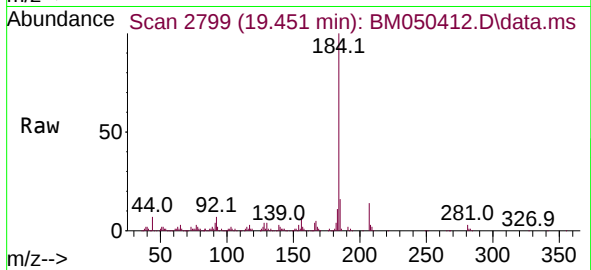
Tgt Ion:184 Resp: 261293

Ion Ratio Lower Upper

184 100

185 15.9 11.7 17.5

183 11.0 9.0 13.6



#78

Pyrene

Concen: 6.475 ng

RT: 19.633 min Scan# 2830

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

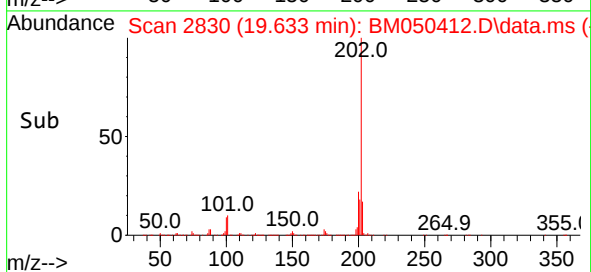
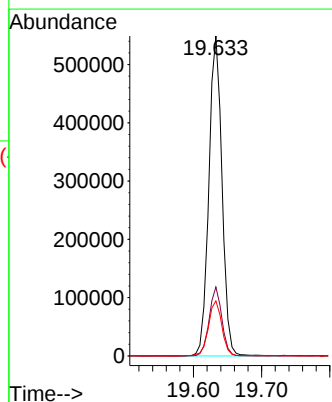
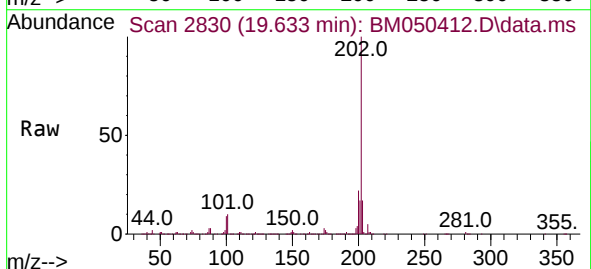
Tgt Ion:202 Resp: 734287

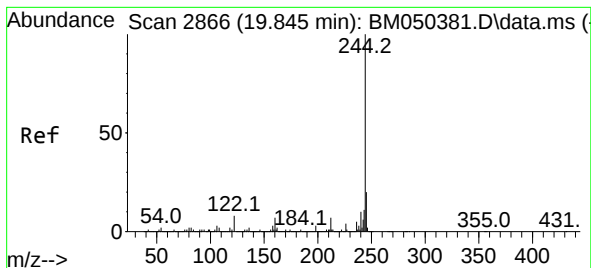
Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

203 17.2 14.1 21.1





#79

Terphenyl-d14

Concen: 90.303 ng

RT: 19.839 min Scan# 2865

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

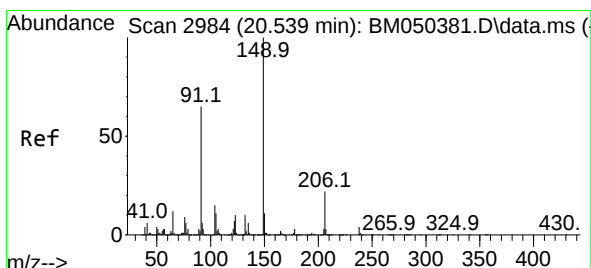
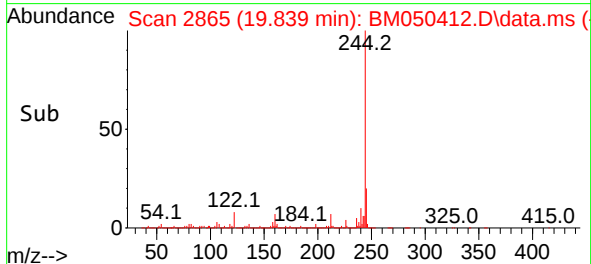
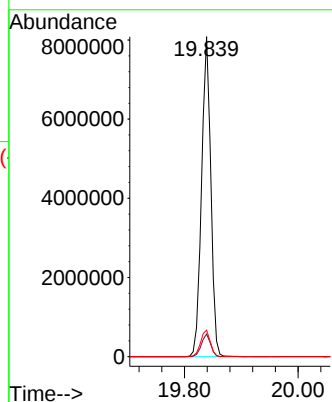
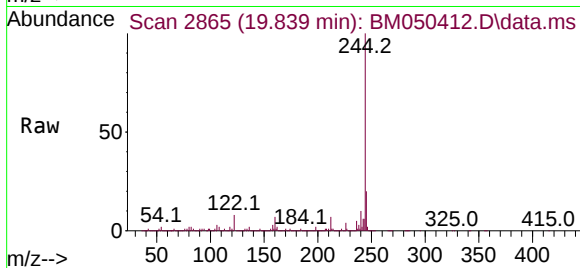
Tgt Ion:244 Resp: 9088533

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 8.3 6.2 9.2



#80

Butylbenzylphthalate

Concen: 5.589 ng

RT: 20.533 min Scan# 2983

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

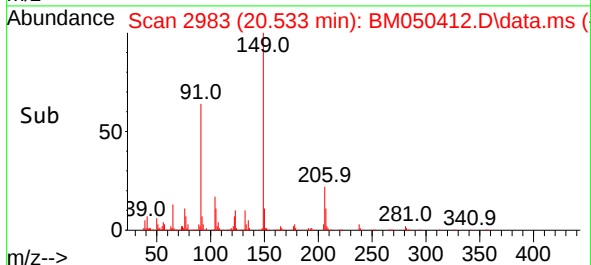
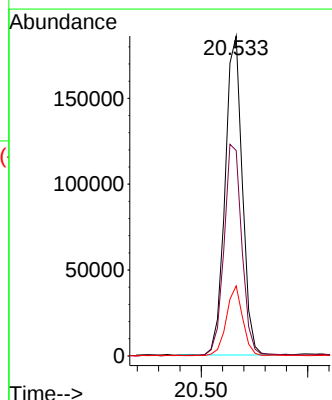
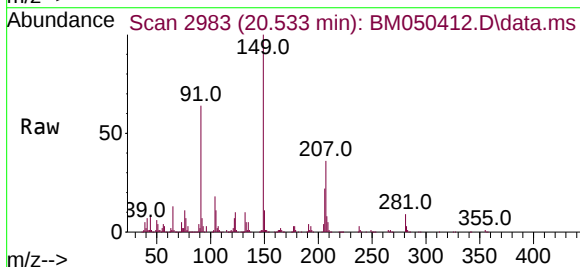
Tgt Ion:149 Resp: 208989

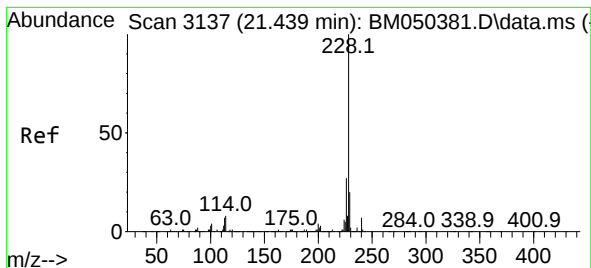
Ion Ratio Lower Upper

149 100

91 64.2 51.6 77.4

206 21.9 17.8 26.8





#81

Benzo(a)anthracene

Concen: 6.658 ng

RT: 21.433 min Scan# 3137

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

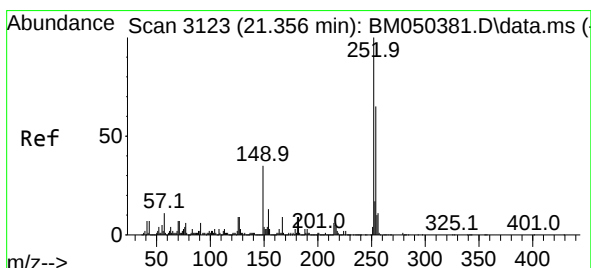
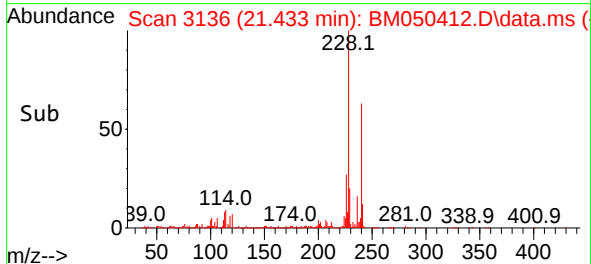
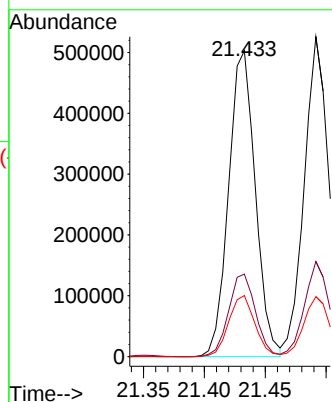
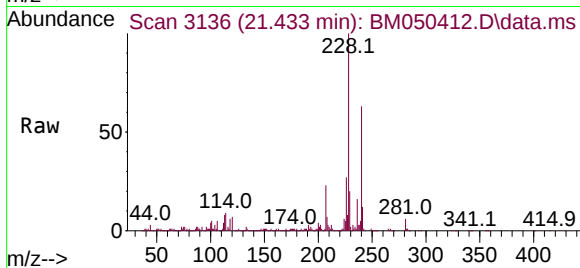
Tgt Ion:228 Resp: 768246

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

229 19.9 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 5.471 ng

RT: 21.350 min Scan# 3122

Delta R.T. 0.018 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

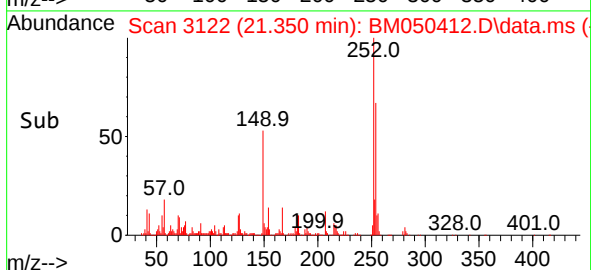
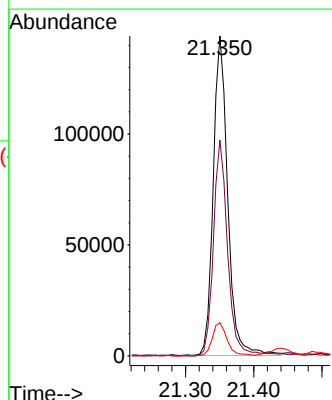
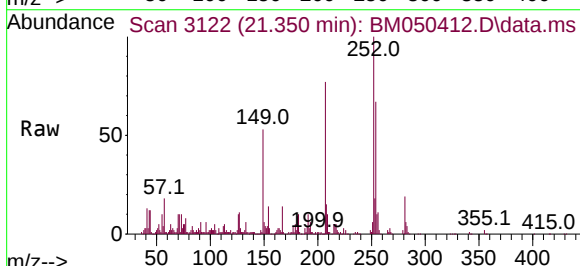
Tgt Ion:252 Resp: 212893

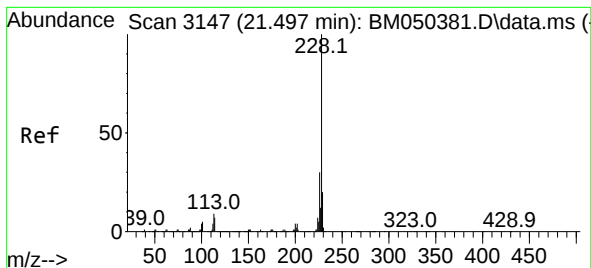
Ion Ratio Lower Upper

252 100

254 67.4 51.7 77.5

126 10.4 7.3 10.9





#83

Chrysene

Concen: 6.867 ng

RT: 21.492 min Scan# 3147

Delta R.T. 0.012 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

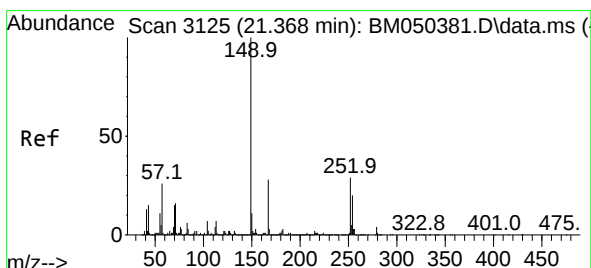
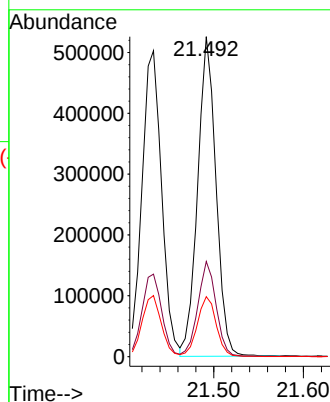
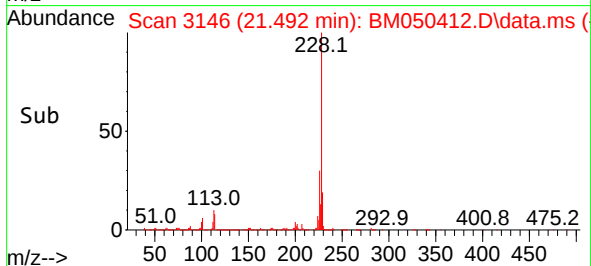
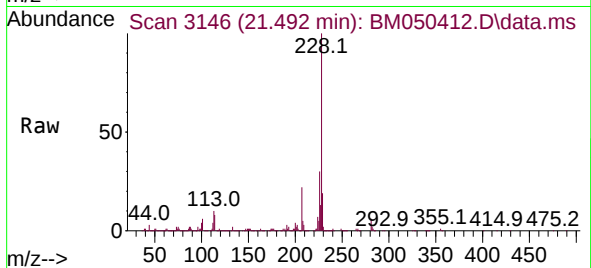
Tgt Ion:228 Resp: 747337

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.4

229 18.7 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.843 ng

RT: 21.362 min Scan# 3124

Delta R.T. 0.024 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

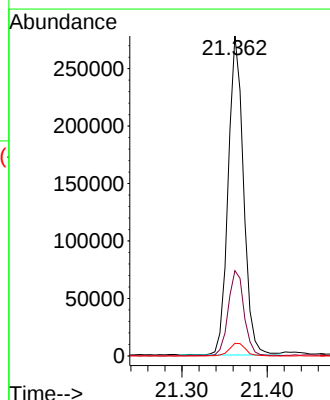
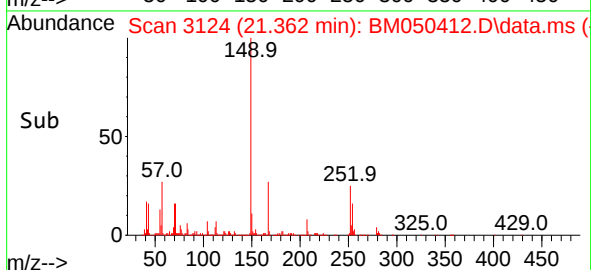
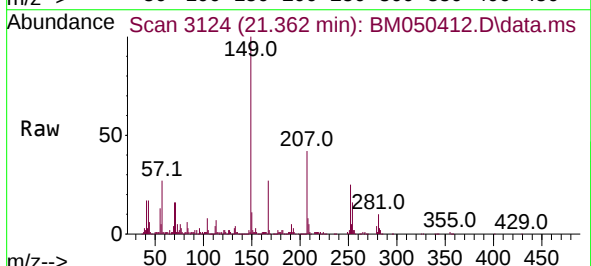
Tgt Ion:149 Resp: 346882

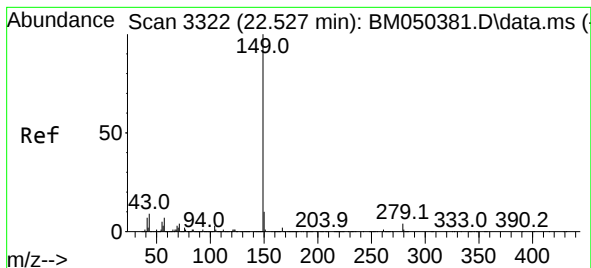
Ion Ratio Lower Upper

149 100

167 26.6 22.7 34.1

279 3.9 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 4.824 ng

RT: 22.515 min Scan# 33

Delta R.T. 0.030 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

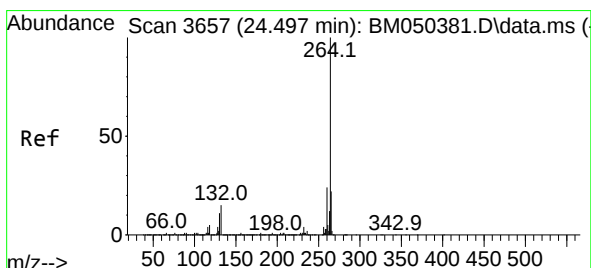
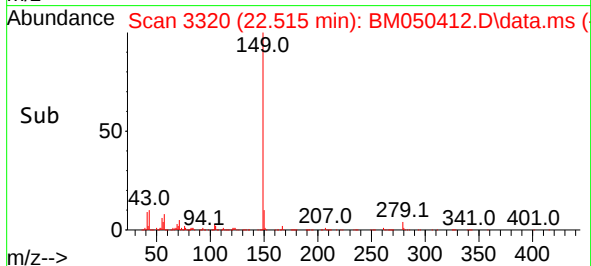
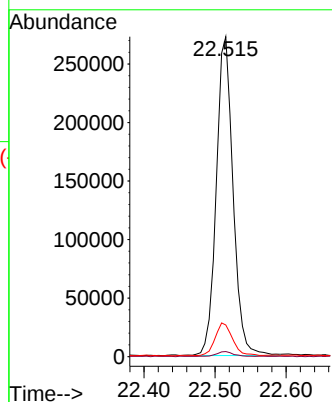
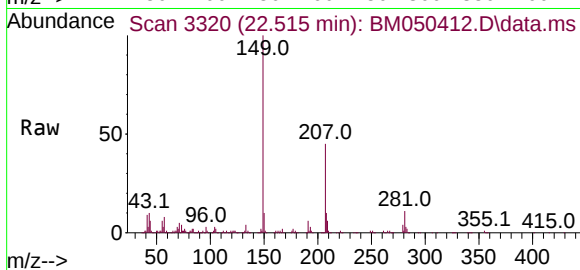
Tgt Ion:149 Resp: 448500

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 10.5 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.485 min Scan# 3655

Delta R.T. 0.030 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

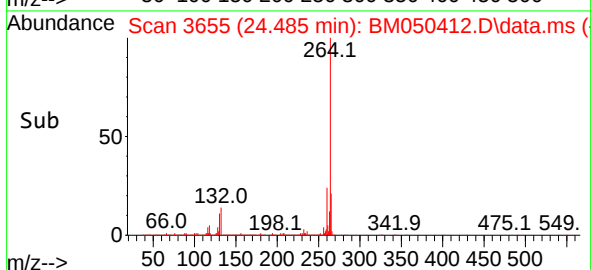
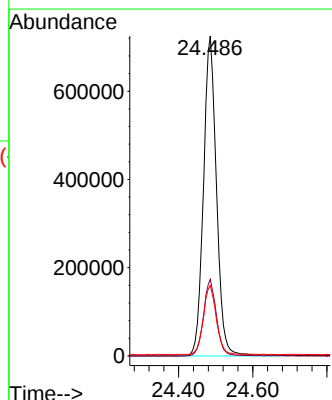
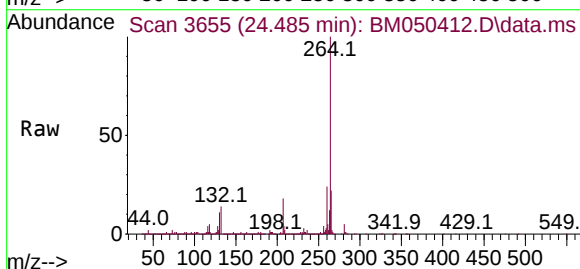
Tgt Ion:264 Resp: 1765585

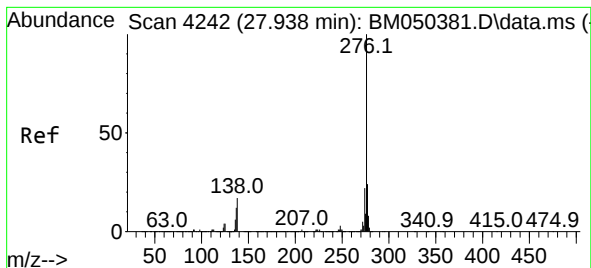
Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 22.0 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.218 ng

RT: 27.915 min Scan# 41

Delta R.T. 0.035 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

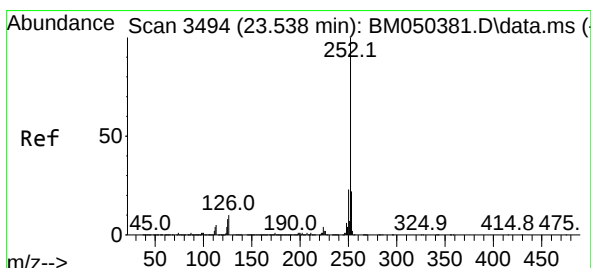
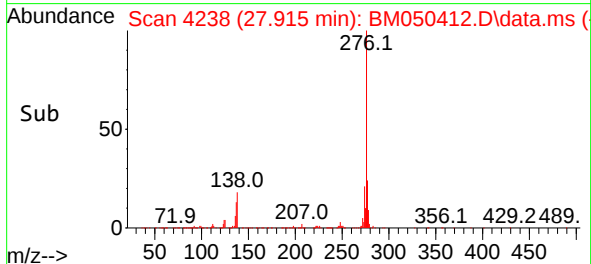
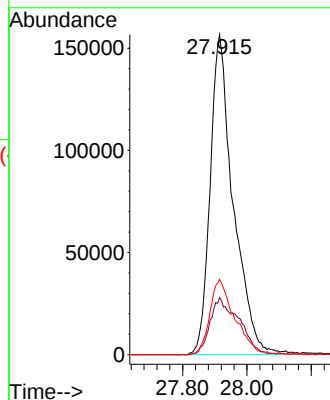
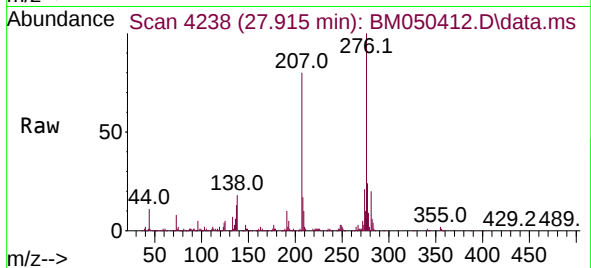
Tgt Ion:276 Resp: 780495

Ion Ratio Lower Upper

276 100

138 22.2 17.0 25.6

277 25.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 6.414 ng

RT: 23.527 min Scan# 3492

Delta R.T. 0.024 min

Lab File: BM050412.D

Acq: 11 Jul 2025 14:23

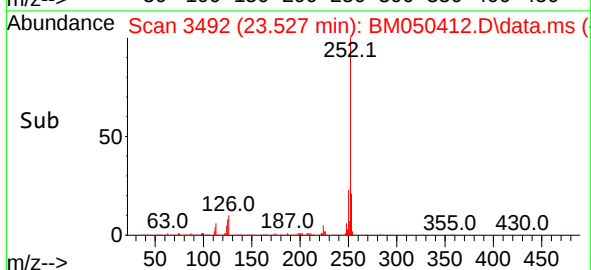
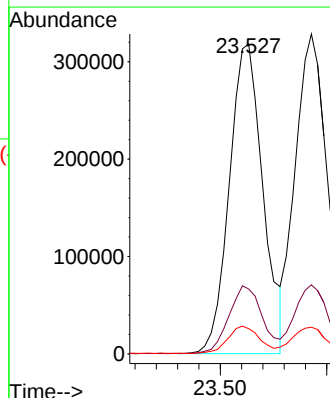
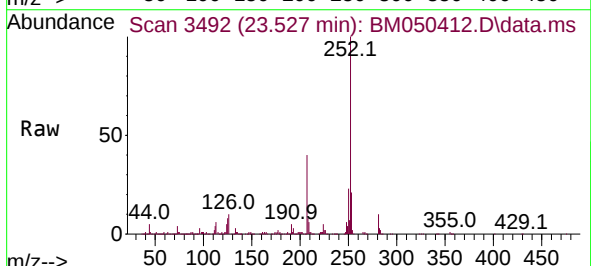
Tgt Ion:252 Resp: 696554

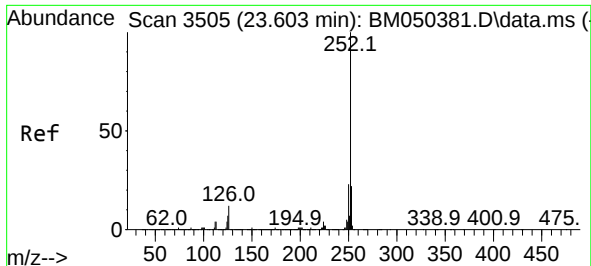
Ion Ratio Lower Upper

252 100

253 20.9 17.8 26.6

125 8.2 6.3 9.5

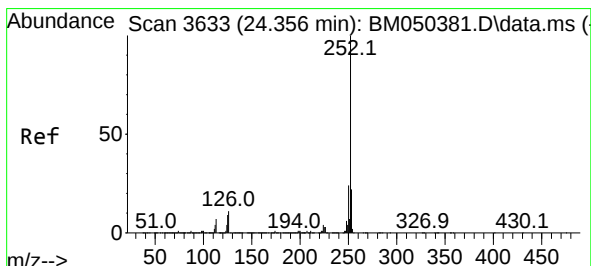
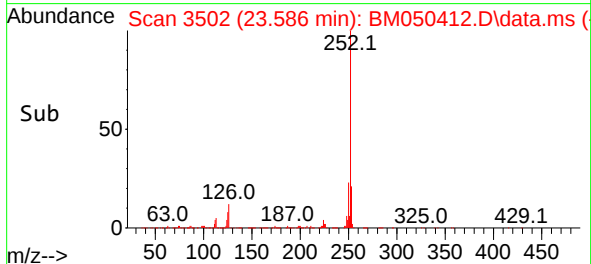
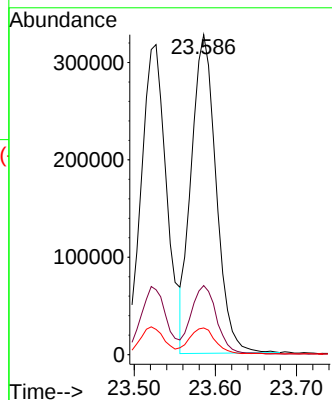
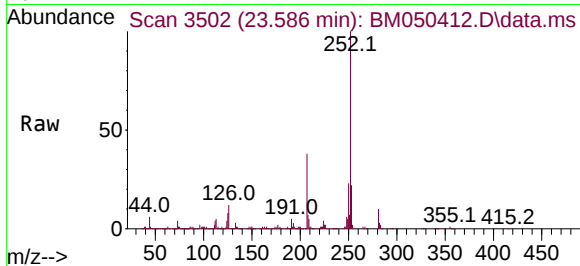




#89
Benzo(k)fluoranthene
Concen: 6.175 ng
RT: 23.586 min Scan# 3505
Delta R.T. 0.018 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

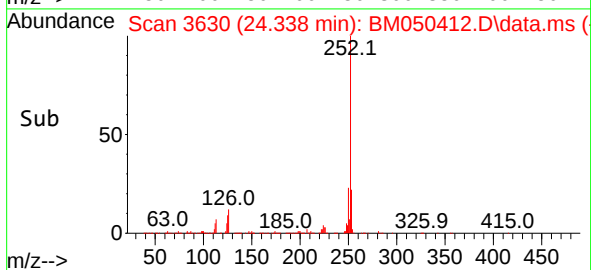
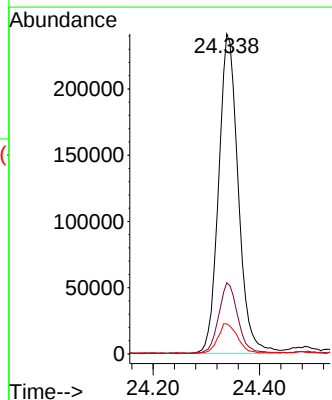
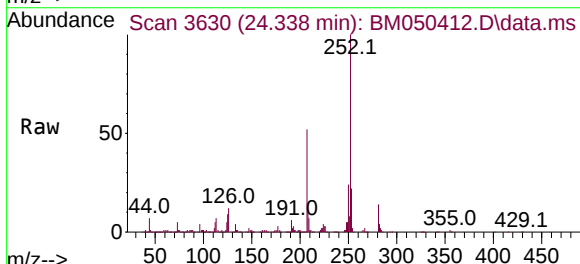
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

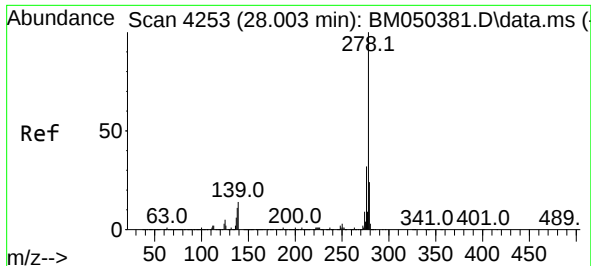
Tgt Ion:252 Resp: 695869
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 8.3 6.2 9.2



#90
Benzo(a)pyrene
Concen: 6.055 ng
RT: 24.338 min Scan# 3630
Delta R.T. 0.024 min
Lab File: BM050412.D
Acq: 11 Jul 2025 14:23

Tgt Ion:252 Resp: 615542
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 9.4 7.0 10.4

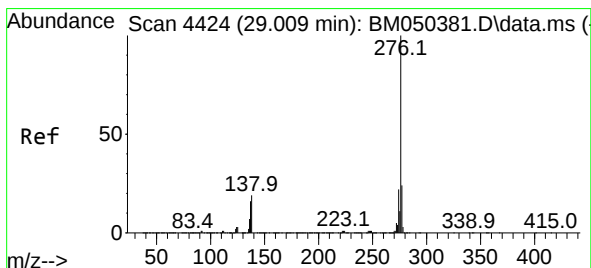
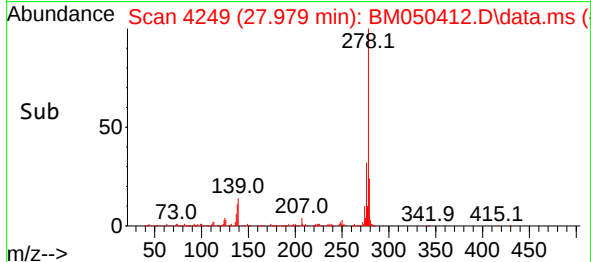
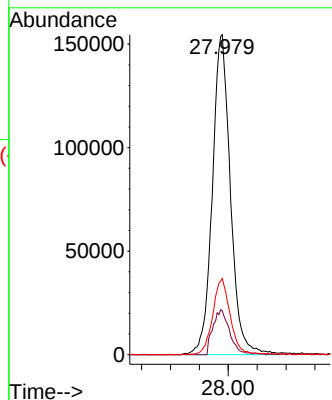
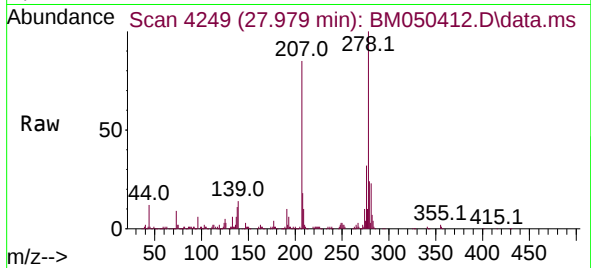




#91
 Dibenzo(a,h)anthracene
 Concen: 6.359 ng
 RT: 27.979 min Scan# 41
 Delta R.T. 0.035 min
 Lab File: BM050412.D
 Acq: 11 Jul 2025 14:23

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:278 Resp: 672278
 Ion Ratio Lower Upper
 278 100
 139 13.7 10.8 16.2
 279 23.8 19.4 29.0



#92
 Benzo(g,h,i)perylene
 Concen: 6.409 ng
 RT: 28.985 min Scan# 4420
 Delta R.T. 0.041 min
 Lab File: BM050412.D
 Acq: 11 Jul 2025 14:23

Tgt Ion:276 Resp: 640368
 Ion Ratio Lower Upper
 276 100
 277 23.6 19.1 28.7
 138 19.4 14.9 22.3

