

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050422.D
 Acq On : 14 Jul 2025 12:10
 Operator : RC/JU
 Sample : Q2126-03
 Misc : MDL-MDL-SOIL-4 PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jul 14 12:51:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 08 18:32:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	433459	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1577436	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	990334	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1915892	20.000	ng	0.00
76) Chrysene-d12	21.439	240	2029636	20.000	ng	-0.02
86) Perylene-d12	24.474	264	2165638	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	3071326	121.966	ng	0.00
7) Phenol-d6	7.022	99	3907611	123.096	ng	0.00
23) Nitrobenzene-d5	9.016	82	2447668	79.164	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1552849	129.053	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	6219313	77.554	ng	0.00
79) Terphenyl-d14	19.833	244	10262413	88.963	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.340	88	39175	3.783	ng	99
3) Pyridine	3.740	79	97808	3.598	ng	98
4) n-Nitrosodimethylamine	3.646	42	46401	3.661	ng	# 95
6) Aniline	7.187	93	145615	3.574	ng	99
8) 2-Chlorophenol	7.428	128	102796	3.871	ng	99
9) Benzaldehyde	6.998	77	89596	4.745	ng	97
10) Phenol	7.045	94	122991	3.715	ng	89
11) bis(2-Chloroethyl)ether	7.281	93	94223	3.553	ng	98
12) 1,3-Dichlorobenzene	7.751	146	117434	3.637	ng	98
13) 1,4-Dichlorobenzene	7.898	146	121087	3.673	ng	98
14) 1,2-Dichlorobenzene	8.216	146	116594	3.694	ng	98
15) Benzyl Alcohol	8.098	79	78620	3.515	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.387	45	140750	3.604	ng	99
17) 2-Methylphenol	8.298	107	72439	3.373	ng	97
18) Hexachloroethane	8.945	117	40985	3.535	ng	96
19) n-Nitroso-di-n-propyla...	8.663	70	65206	3.391	ng	98
20) 3+4-Methylphenols	8.622	107	90730	3.147	ng	95
22) Acetophenone	8.681	105	141410	3.585	ng	# 98
24) Nitrobenzene	9.057	77	113227	4.104	ng	99
25) Isophorone	9.586	82	171574	3.420	ng	99
26) 2-Nitrophenol	9.769	139	33017	2.936	ng	94
27) 2,4-Dimethylphenol	9.828	122	79567	3.325	ng	98
28) bis(2-Chloroethoxy)met...	10.063	93	113850	3.425	ng	99
29) 2,4-Dichlorophenol	10.298	162	79791	3.246	ng	98
30) 1,2,4-Trichlorobenzene	10.522	180	103446	3.518	ng	99
31) Naphthalene	10.704	128	291215	3.635	ng	99
32) Benzoic acid	9.869	122	21130	7.234	ng	94
33) 4-Chloroaniline	10.810	127	113255	3.344	ng	99
34) Hexachlorobutadiene	11.004	225	63544	3.540	ng	98
35) Caprolactam	11.557	113	18773	2.797	ng	94
36) 4-Chloro-3-methylphenol	11.927	107	71764	3.126	ng	94
37) 2-Methylnaphthalene	12.316	142	172458	3.409	ng	98
38) 1-Methylnaphthalene	12.533	142	181265	3.386	ng	97
40) 1,2,4,5-Tetrachloroben...	12.680	216	108088	3.432	ng	99
41) Hexachlorocyclopentadiene	12.669	237	53799	2.672	ng	97
43) 2,4,6-Trichlorophenol	12.916	196	58507	3.018	ng	100

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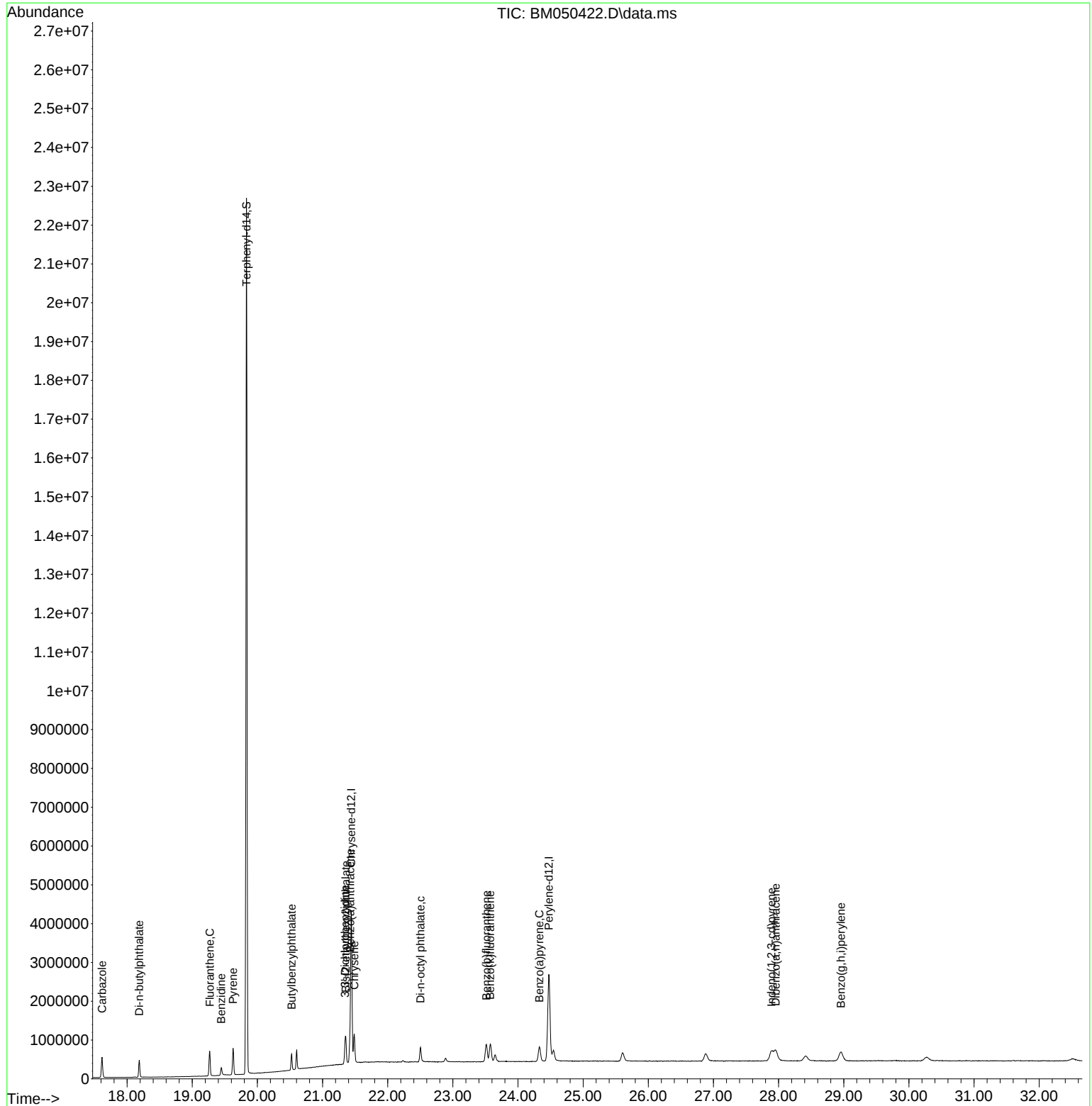
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.986	196	65194	3.079	ng	97
46) 1,1'-Biphenyl	13.322	154	270107	3.676	ng	99
47) 2-Chloronaphthalene	13.363	162	212241	3.623	ng	99
48) 2-Nitroaniline	13.557	65	37574	2.873	ng	91
49) Acenaphthylene	14.210	152	296554	3.350	ng	99
50) Dimethylphthalate	13.939	163	243443	3.570	ng	99
51) 2,6-Dinitrotoluene	14.051	165	38371	2.931	ng	93
52) Acenaphthene	14.551	154	196179	3.485	ng	96
53) 3-Nitroaniline	14.374	138	37739	2.711	ng #	89
54) 2,4-Dinitrophenol	14.580	184	11840	7.915	ng	97
55) Dibenzofuran	14.880	168	315638	3.639	ng	99
56) 4-Nitrophenol	14.680	139	26330	2.199	ng	94
57) 2,4-Dinitrotoluene	14.833	165	43249	4.806	ng #	89
58) Fluorene	15.527	166	240574	3.368	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.104	232	56459	3.168	ng	99
60) Diethylphthalate	15.304	149	223226	3.427	ng	98
61) 4-Chlorophenyl-phenyle...	15.527	204	121453	3.251	ng	97
62) 4-Nitroaniline	15.533	138	33903	4.591	ng	82
63) Azobenzene	15.815	77	185980	3.110	ng	95
65) 4,6-Dinitro-2-methylph...	15.598	198	17388	7.769	ng	88
66) n-Nitrosodiphenylamine	15.733	169	192322	3.208	ng	96
67) 4-Bromophenyl-phenylether	16.415	248	69243	3.280	ng	97
68) Hexachlorobenzene	16.527	284	84992	3.409	ng	96
69) Atrazine	16.680	200	61011	3.099	ng	97
70) Pentachlorophenol	16.868	266	41123	2.650	ng	97
71) Phenanthrene	17.262	178	384652	3.548	ng	98
72) Anthracene	17.351	178	358172	3.319	ng	99
73) Carbazole	17.615	167	328138	3.361	ng	98
74) Di-n-butylphthalate	18.186	149	311928	2.919	ng	100
75) Fluoranthene	19.268	202	380150	3.226	ng	99
77) Benzidine	19.445	184	137986	2.665	ng	99
78) Pyrene	19.627	202	410853	3.161	ng	99
80) Butylbenzylphthalate	20.527	149	123911	2.891	ng	98
81) Benzo(a)anthracene	21.427	228	444908	3.364	ng	99
82) 3,3'-Dichlorobenzidine	21.345	252	129122	2.895	ng	98
83) Chrysene	21.486	228	426619	3.420	ng	97
84) Bis(2-ethylhexyl)phtha...	21.356	149	203277	2.988	ng	98
85) Di-n-octyl phthalate	22.503	149	295419	2.772	ng #	98
87) Indeno(1,2,3-cd)pyrene	27.891	276	509193	3.307	ng #	93
88) Benzo(b)fluoranthene	23.515	252	419693	3.151	ng	99
89) Benzo(k)fluoranthene	23.574	252	429370	3.106	ng	99
90) Benzo(a)pyrene	24.327	252	383770	3.078	ng	97
91) Dibenzo(a,h)anthracene	27.956	278	423889	3.269	ng	99
92) Benzo(g,h,i)perylene	28.956	276	415955	3.394	ng	99

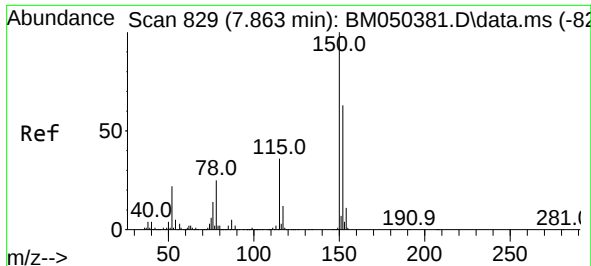
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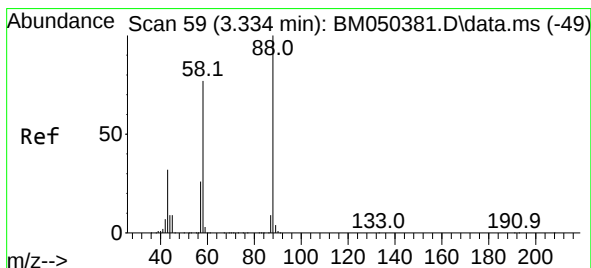
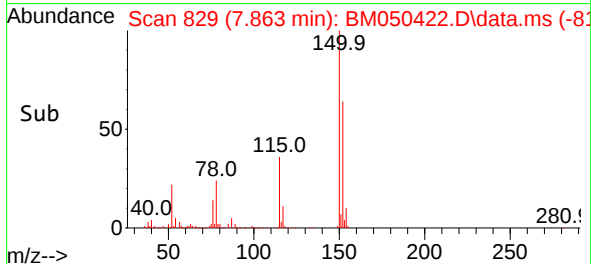
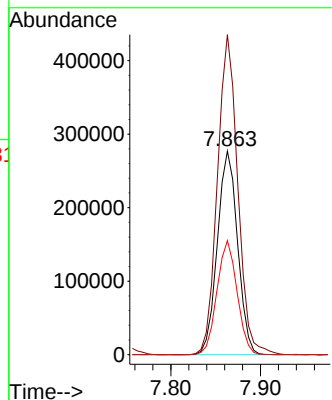
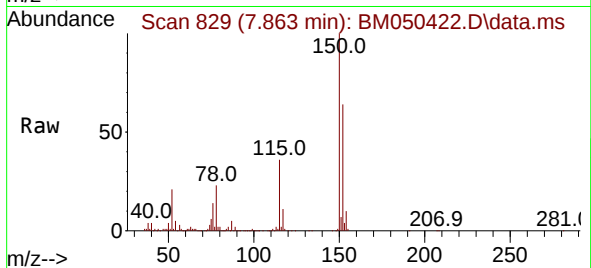




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BM050422.D
 Acq: 14 Jul 2025 12:10

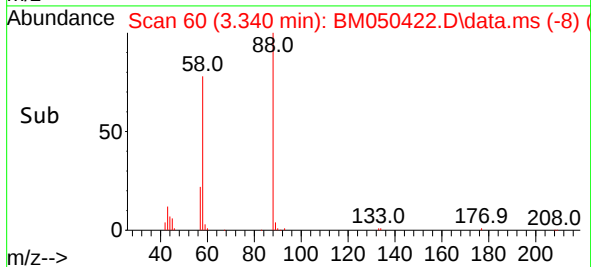
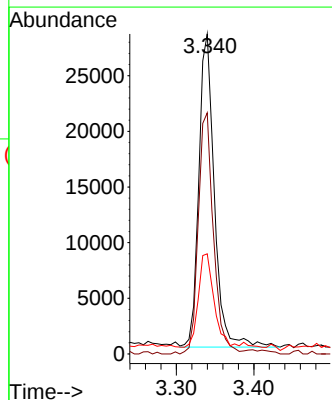
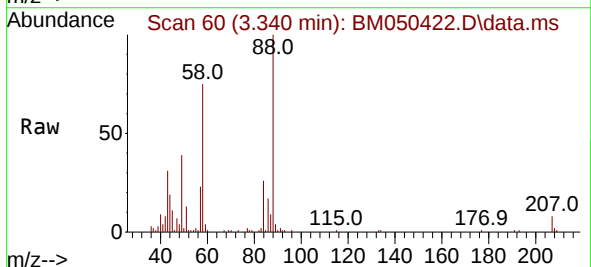
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

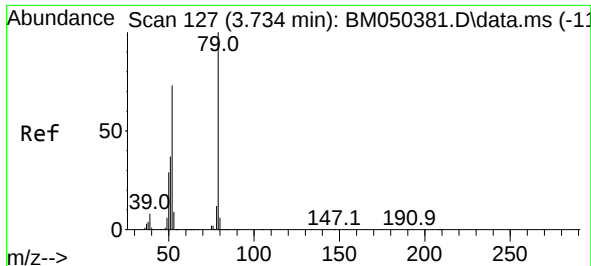
Tgt Ion:152 Resp: 433459
 Ion Ratio Lower Upper
 152 100
 150 157.1 126.2 189.4
 115 56.0 45.8 68.8



#2
 1,4-Dioxane
 Concen: 3.783 ng
 RT: 3.340 min Scan# 60
 Delta R.T. 0.006 min
 Lab File: BM050422.D
 Acq: 14 Jul 2025 12:10

Tgt Ion: 88 Resp: 39175
 Ion Ratio Lower Upper
 88 100
 58 75.6 61.0 91.6
 43 30.2 24.6 37.0





#3

Pyridine

Concen: 3.598 ng

RT: 3.740 min Scan# 11

Delta R.T. 0.006 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

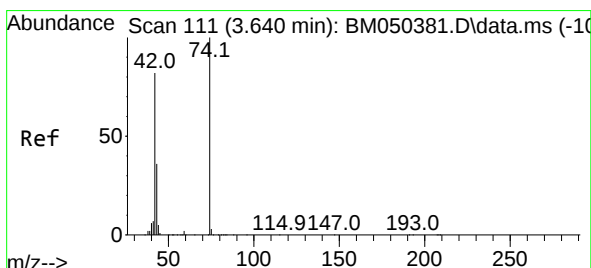
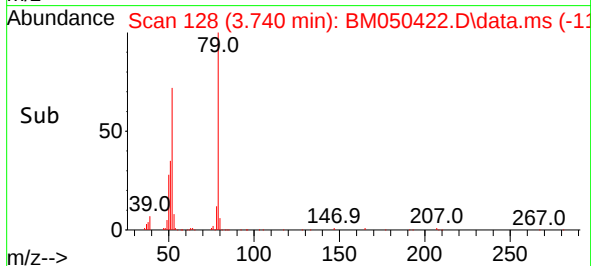
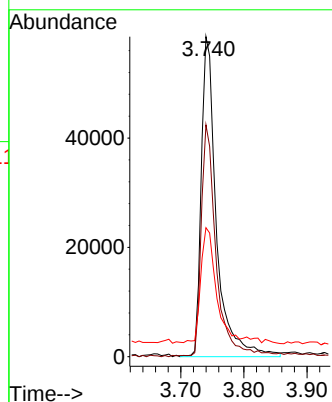
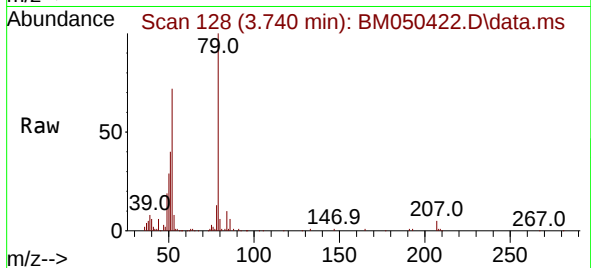
Tgt Ion: 79 Resp: 97808

Ion Ratio Lower Upper

79 100

52 72.4 58.3 87.5

51 40.3 29.6 44.4



#4

n-Nitrosodimethylamine

Concen: 3.661 ng

RT: 3.646 min Scan# 112

Delta R.T. 0.006 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

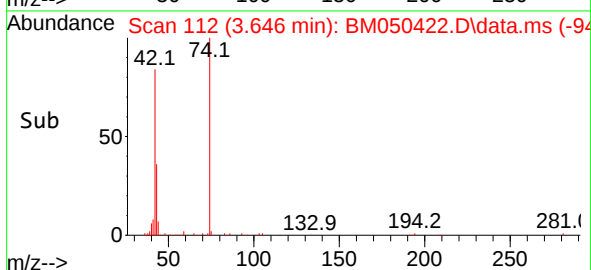
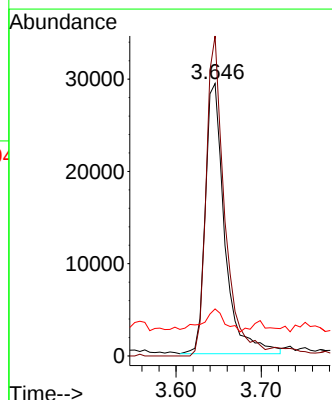
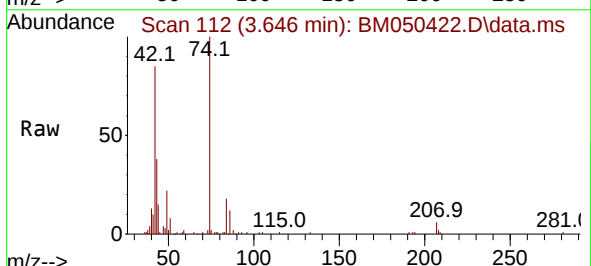
Tgt Ion: 42 Resp: 46401

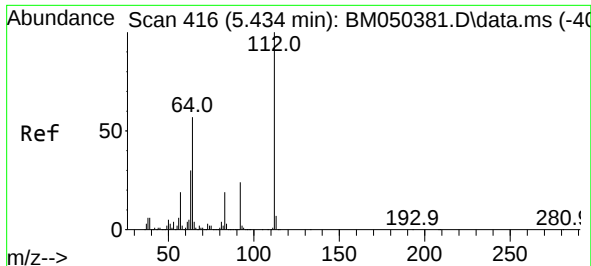
Ion Ratio Lower Upper

42 100

74 117.4 97.5 146.3

44 17.3 5.7 8.5

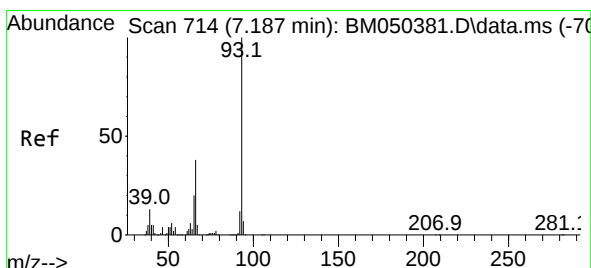
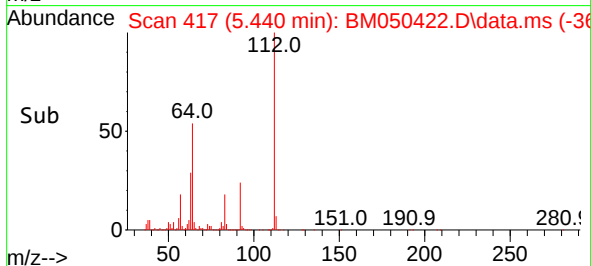
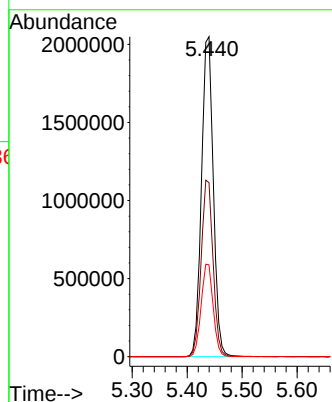
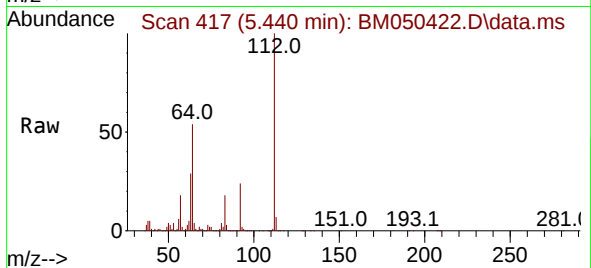




#5
2-Fluorophenol
Concen: 121.966 ng
RT: 5.440 min Scan# 416
Delta R.T. 0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

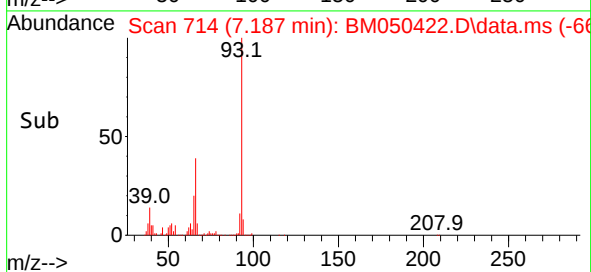
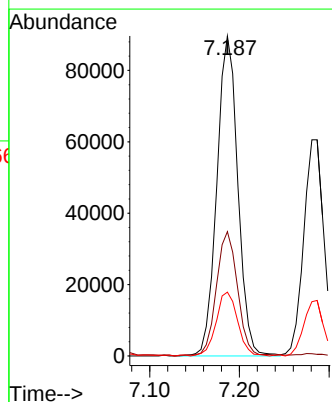
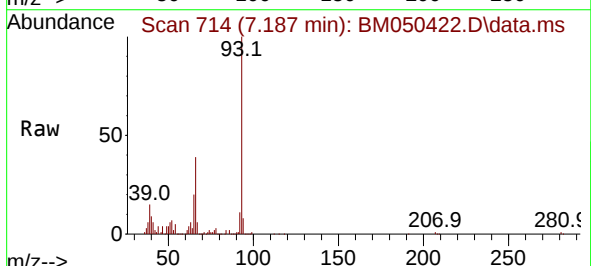
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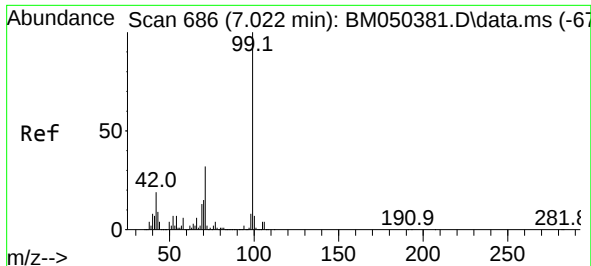
Tgt Ion:112 Resp: 3071326
Ion Ratio Lower Upper
112 100
64 54.4 45.5 68.3
63 28.7 24.2 36.4



#6
Aniline
Concen: 3.574 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion: 93 Resp: 145615
Ion Ratio Lower Upper
93 100
66 38.8 30.5 45.7
65 20.0 15.9 23.9



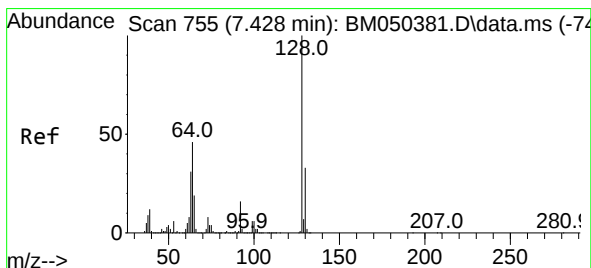
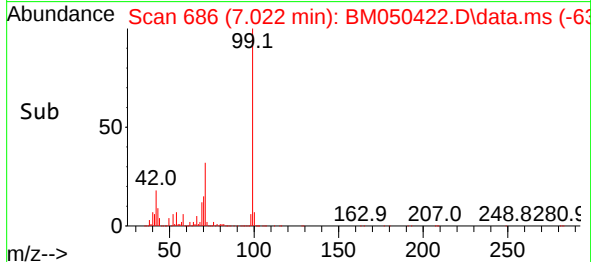
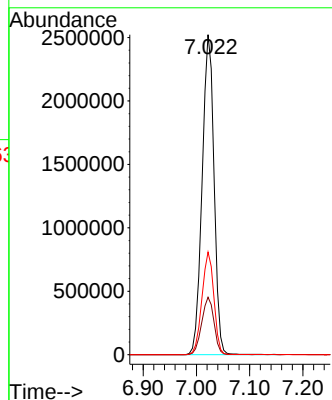
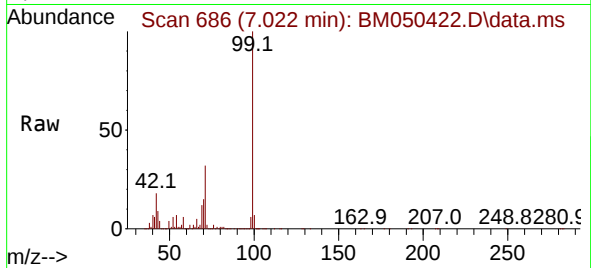


#7
Phenol-d6
Concen: 123.096 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050422.D
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Tgt Ion: 99 Resp: 3907611

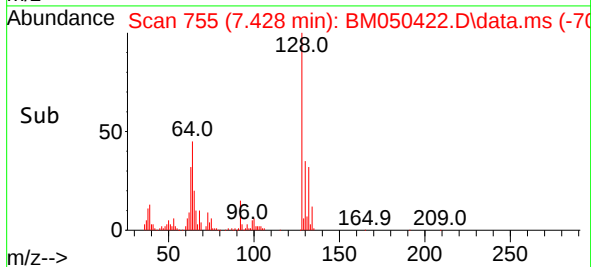
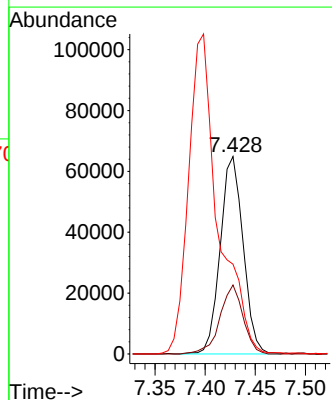
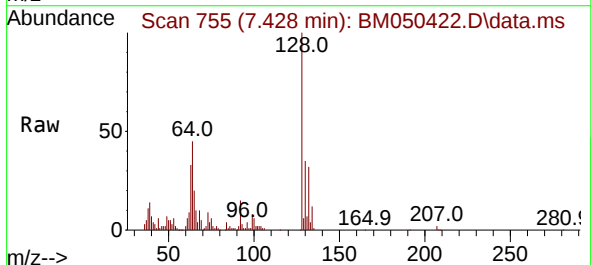
Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.0	22.6
71	32.0	25.9	38.9

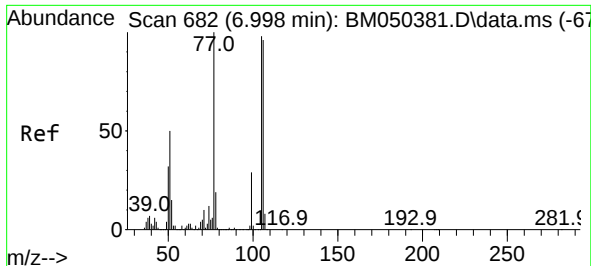


#8
2-Chlorophenol
Concen: 3.871 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion: 128 Resp: 102796

Ion	Ratio	Lower	Upper
128	100		
130	34.9	13.3	53.3
64	45.5	25.6	65.6

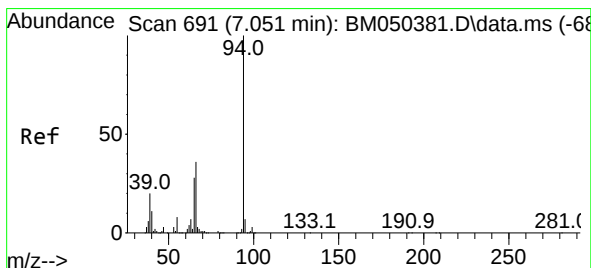
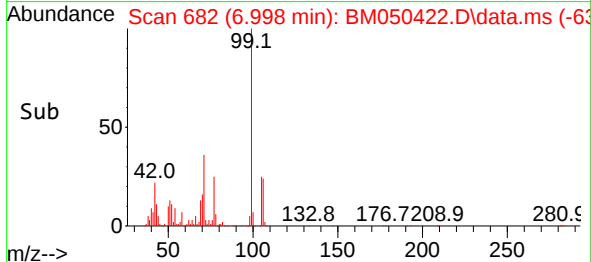
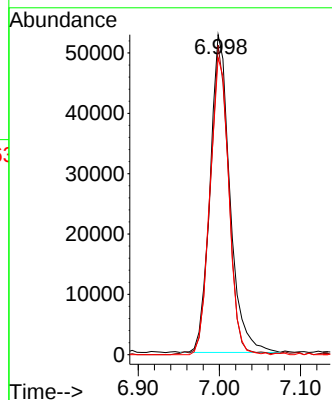
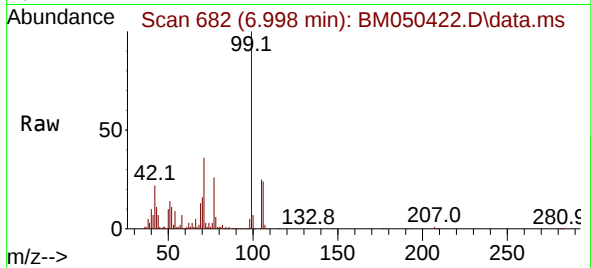




#9
Benzaldehyde
Concen: 4.745 ng
RT: 6.998 min Scan# 61
Delta R.T. 0.000 min
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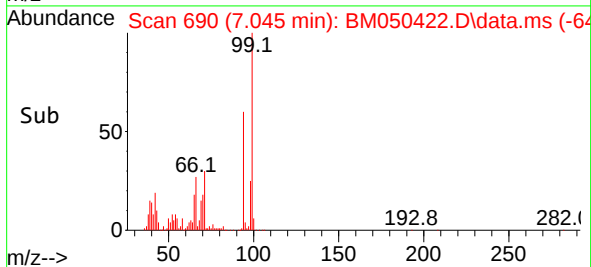
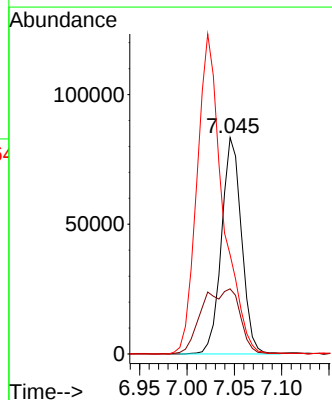
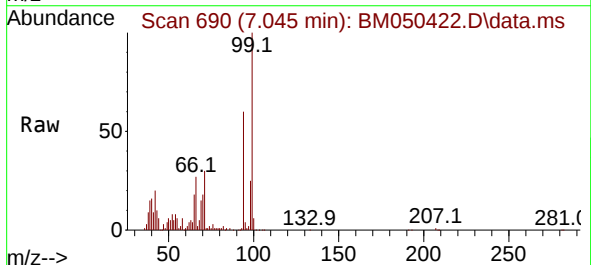
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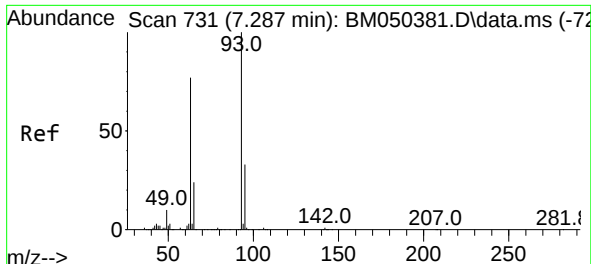
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Ion Ratio Lower Upper
77 100
105 96.7 78.4 118.4
106 92.8 76.3 116.3



#10
Phenol
Concen: 3.715 ng
RT: 7.045 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion: 94 Resp: 122991
Ion Ratio Lower Upper
94 100
65 30.1 8.1 48.1
66 45.8 15.8 55.8

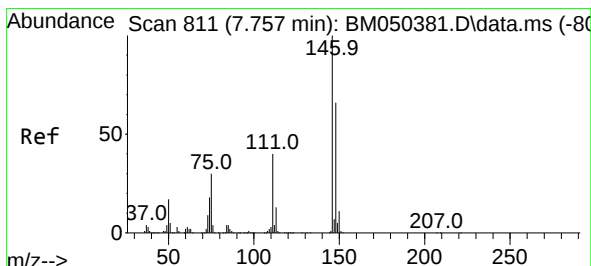
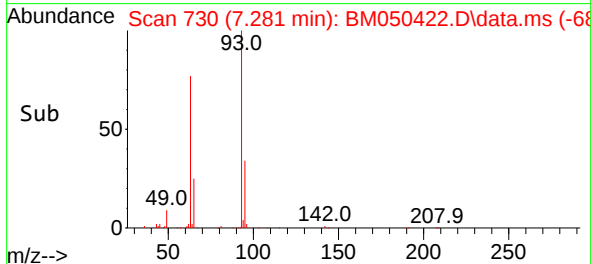
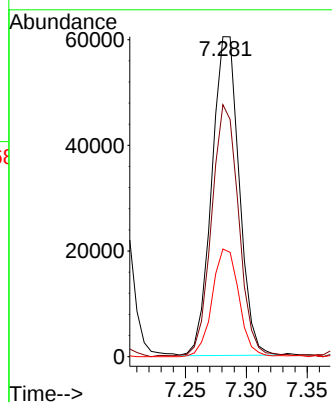
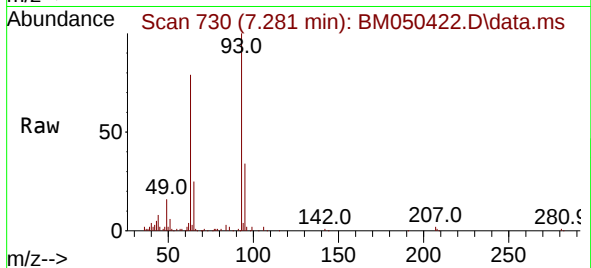




#11
bis(2-Chloroethyl)ether
Concen: 3.553 ng
RT: 7.281 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

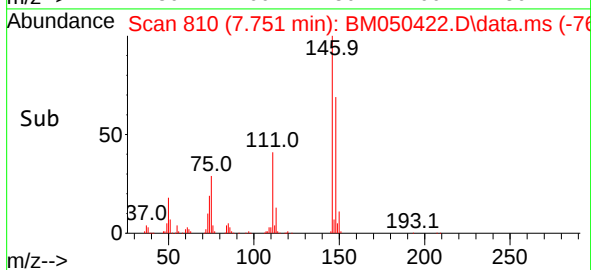
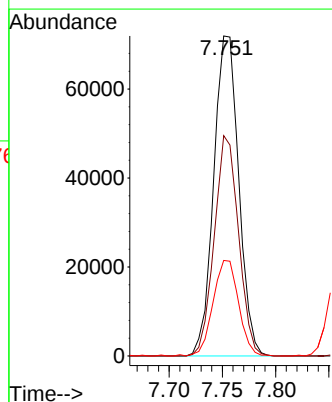
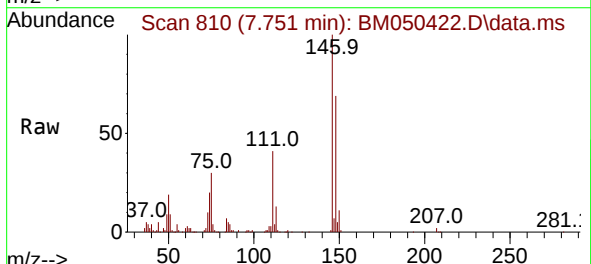
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

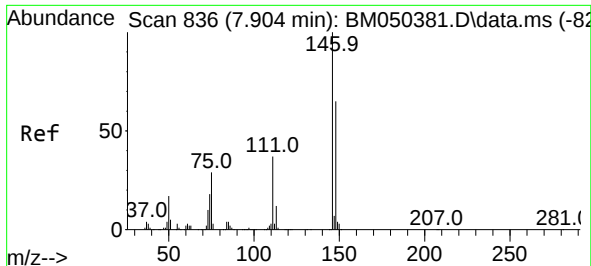
Tgt Ion: 93 Resp: 94223
Ion Ratio Lower Upper
93 100
63 78.8 56.9 96.9
95 33.6 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 3.637 ng
RT: 7.751 min Scan# 810
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion: 146 Resp: 117434
Ion Ratio Lower Upper
146 100
148 68.8 53.2 79.8
75 29.8 23.9 35.9

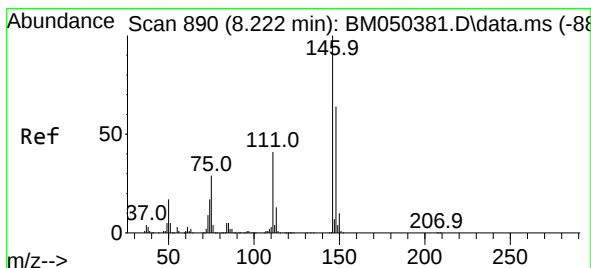
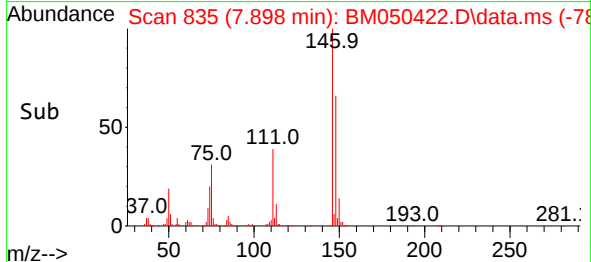
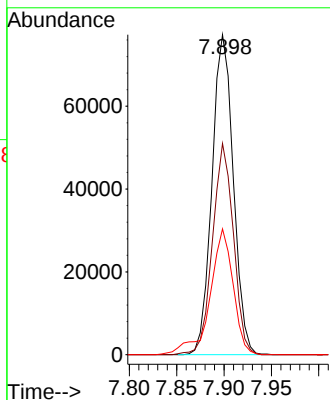
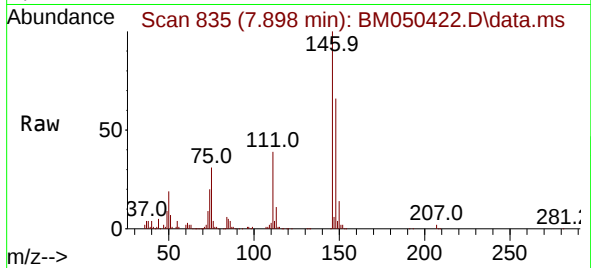




#13
1,4-Dichlorobenzene
Concen: 3.673 ng
RT: 7.898 min Scan# 811
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

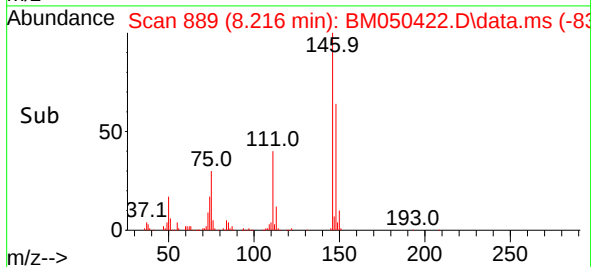
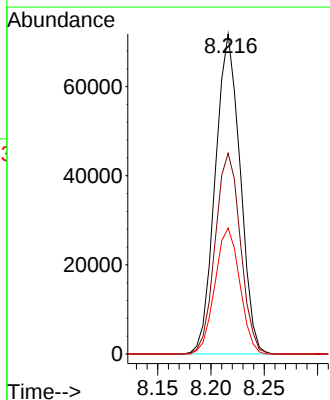
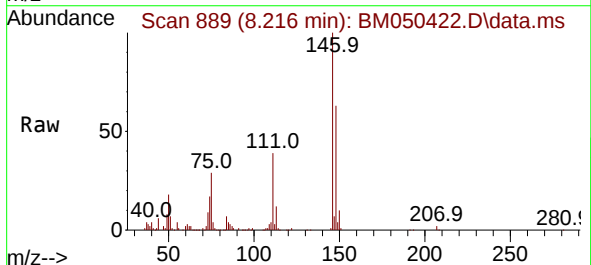
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

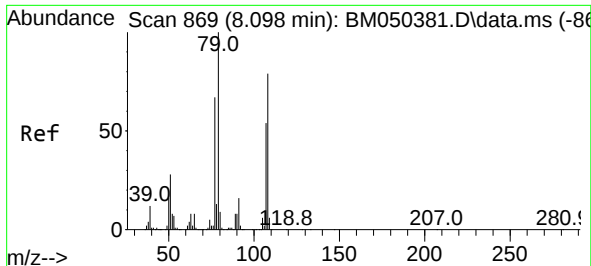
Tgt Ion:146 Resp: 121087
Ion Ratio Lower Upper
146 100
148 66.0 51.9 77.9
111 39.3 30.0 45.0



#14
1,2-Dichlorobenzene
Concen: 3.694 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion:146 Resp: 116594
Ion Ratio Lower Upper
146 100
148 62.7 51.5 77.3
111 39.4 32.6 49.0

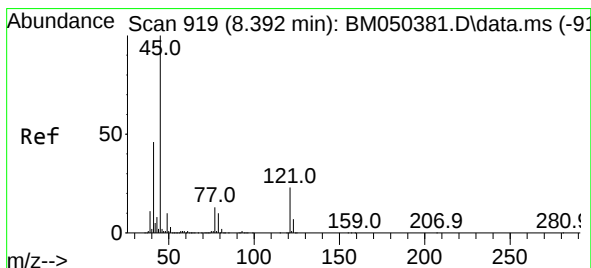
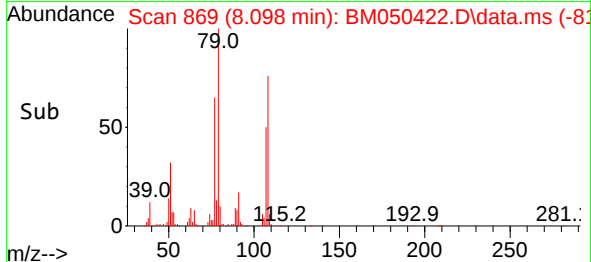
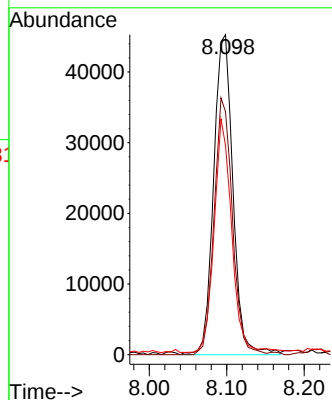
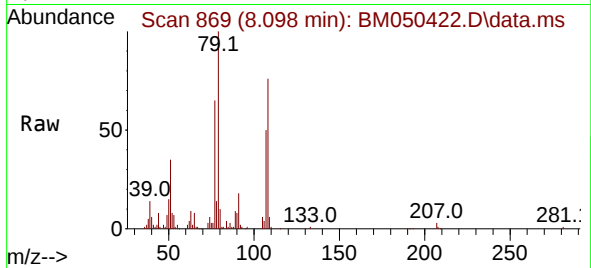




#15
Benzyl Alcohol
Concen: 3.515 ng
RT: 8.098 min Scan# 869
Delta R.T. 0.000 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

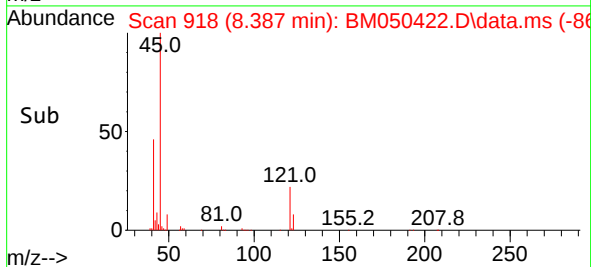
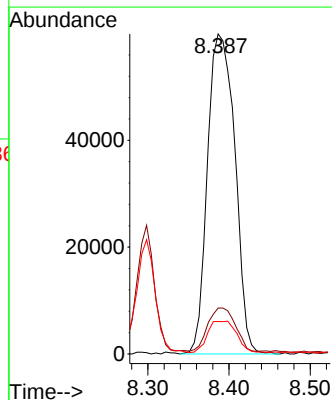
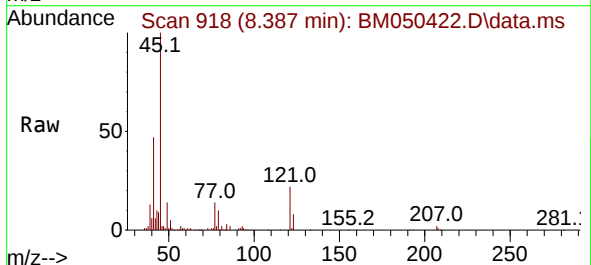
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

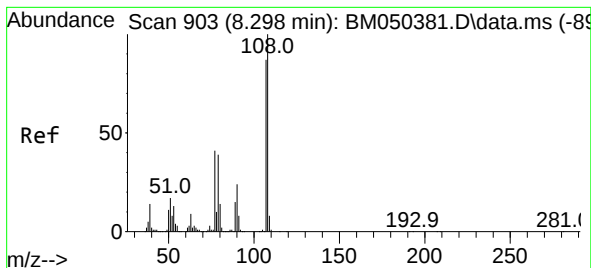
Tgt Ion: 79 Resp: 78620
Ion Ratio Lower Upper
79 100
108 76.0 63.0 94.4
77 65.4 53.4 80.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.604 ng
RT: 8.387 min Scan# 918
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion: 45 Resp: 140750
Ion Ratio Lower Upper
45 100
77 14.4 0.0 33.5
79 10.2 0.0 30.3

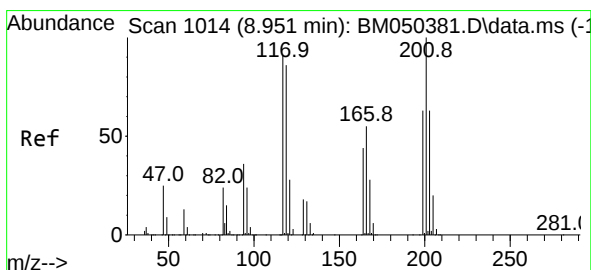
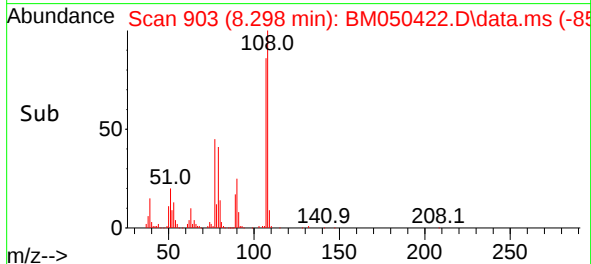
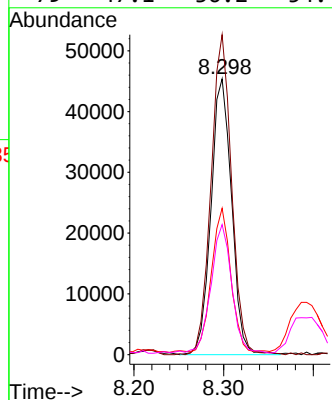
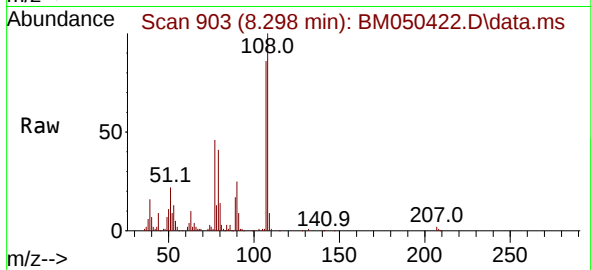




#17
2-Methylphenol
Concen: 3.373 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.000 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

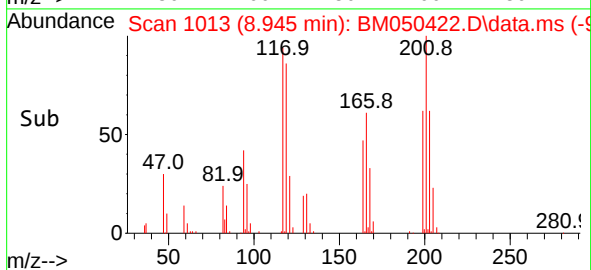
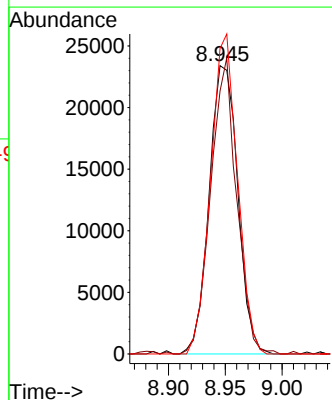
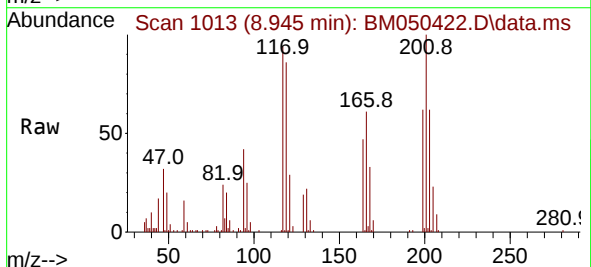
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

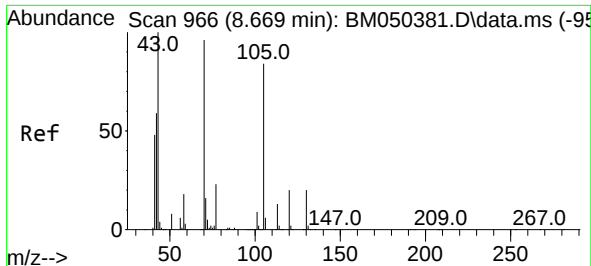
Tgt Ion:	107	Resp:	72439
Ion Ratio	Lower	Upper	
107	100		
108	116.0	92.1	138.1
77	53.0	38.2	57.4
79	47.1	36.2	54.4



#18
Hexachloroethane
Concen: 3.535 ng
RT: 8.945 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion:	117	Resp:	40985
Ion Ratio	Lower	Upper	
117	100		
119	91.2	75.6	113.4
201	105.9	87.9	131.9

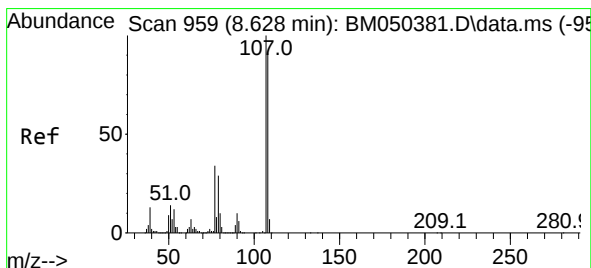
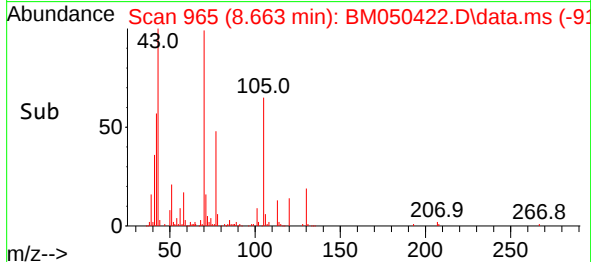
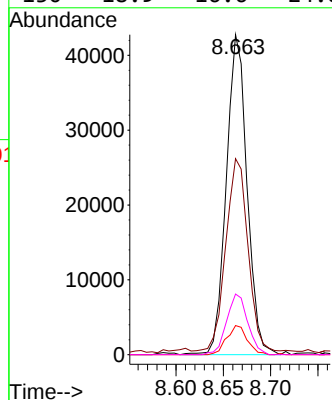
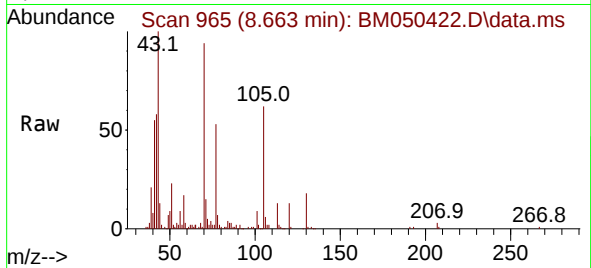




#19
n-Nitroso-di-n-propylamine
Concen: 3.391 ng
RT: 8.663 min Scan# 910
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

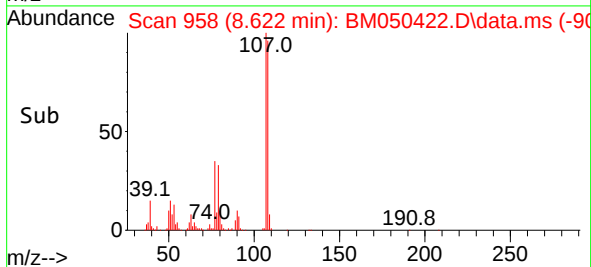
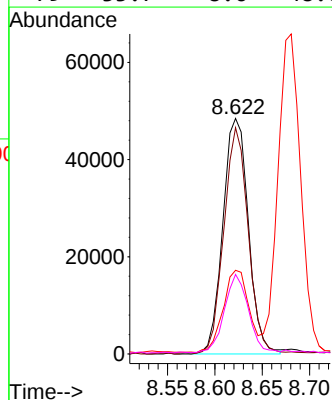
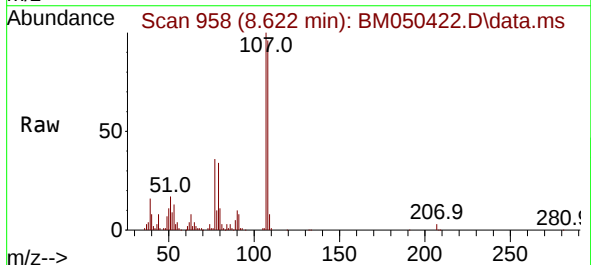
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

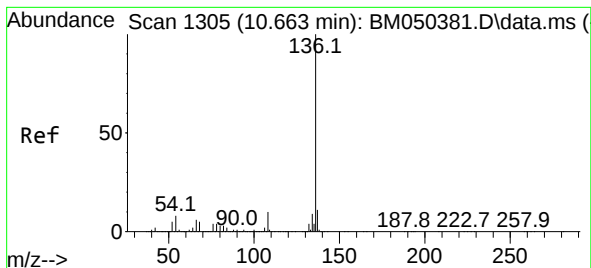
Tgt Ion: 70 Resp: 65206
Ion Ratio Lower Upper
70 100
42 61.3 49.7 74.5
101 9.1 7.7 11.5
130 18.9 16.6 24.8



#20
3+4-Methylphenols
Concen: 3.147 ng
RT: 8.622 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion: 107 Resp: 90730
Ion Ratio Lower Upper
107 100
108 96.1 71.5 111.5
77 35.5 13.7 53.7
79 33.7 8.6 48.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.657 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:136 Resp: 1577436

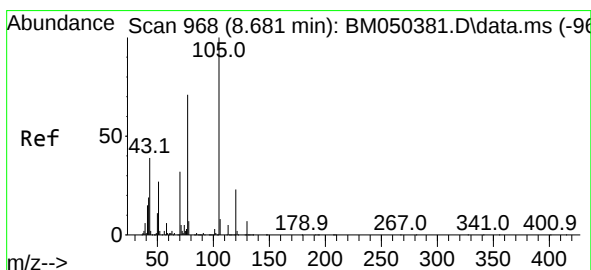
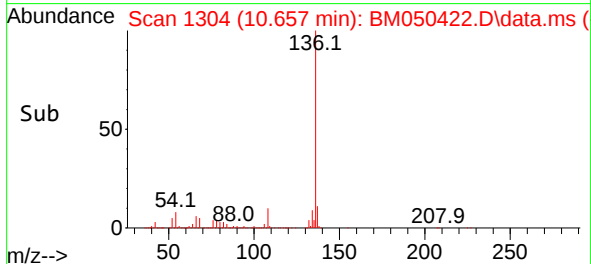
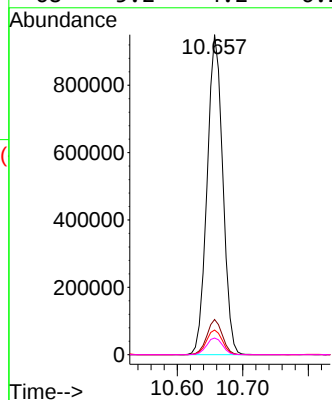
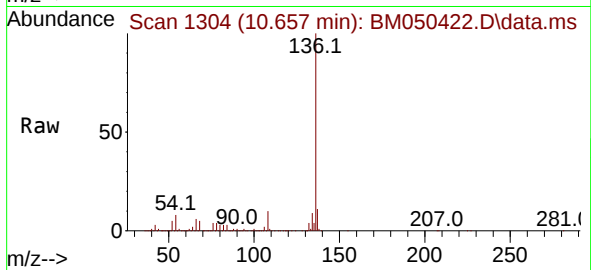
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.7 6.3 9.5

68 5.2 4.2 6.2



#22

Acetophenone

Concen: 3.585 ng

RT: 8.681 min Scan# 968

Delta R.T. 0.000 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Tgt Ion:105 Resp: 141410

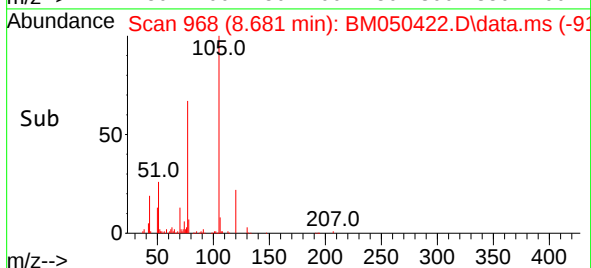
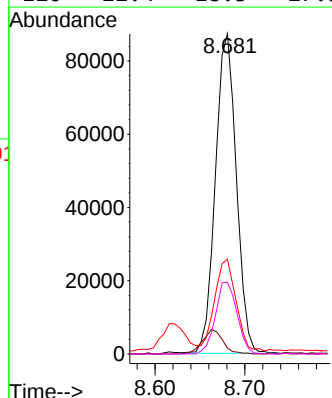
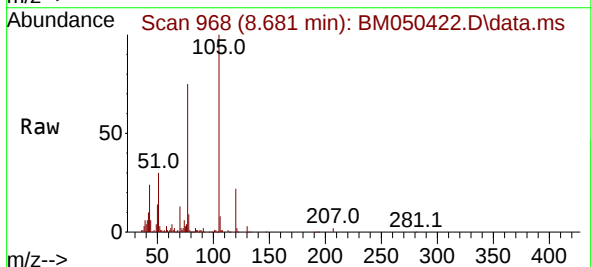
Ion Ratio Lower Upper

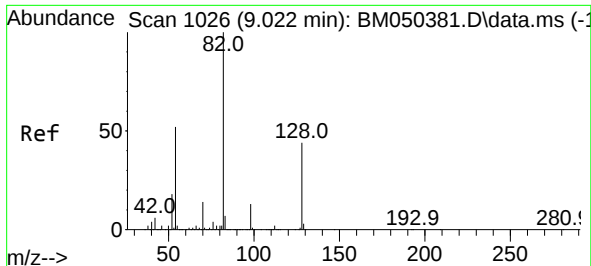
105 100

71 1.9 4.4 6.6#

51 29.7 23.0 34.6

120 22.4 18.3 27.5

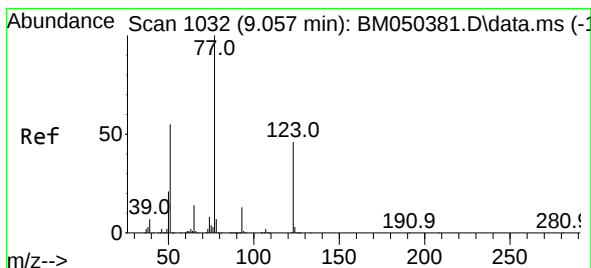
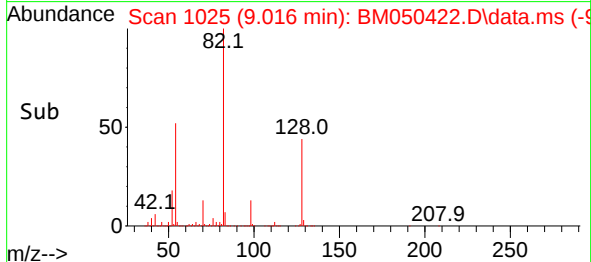
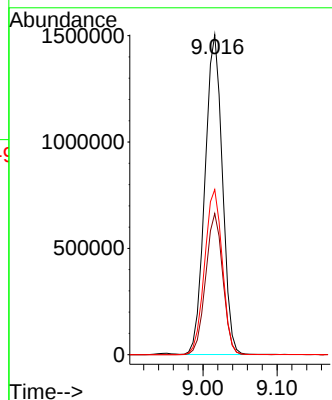
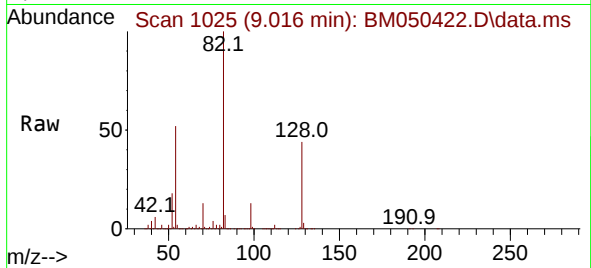




#23
Nitrobenzene-d5
Concen: 79.164 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

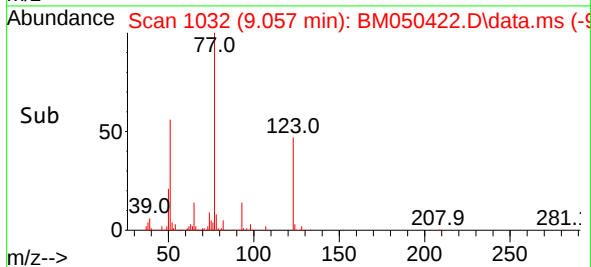
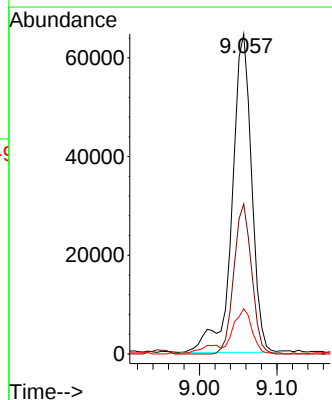
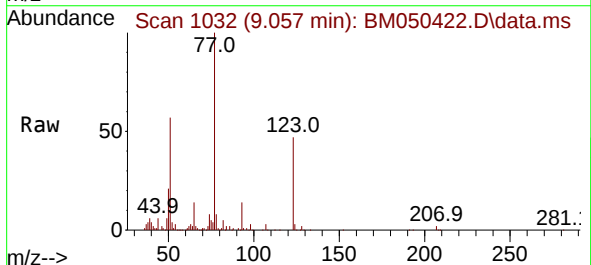
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

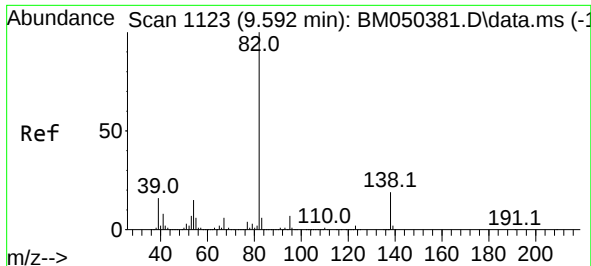
Tgt Ion: 82 Resp: 2447668
Ion Ratio Lower Upper
82 100
128 44.1 35.2 52.8
54 51.6 41.5 62.3



#24
Nitrobenzene
Concen: 4.104 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion: 77 Resp: 113227
Ion Ratio Lower Upper
77 100
123 46.8 37.0 55.6
65 14.2 11.0 16.4

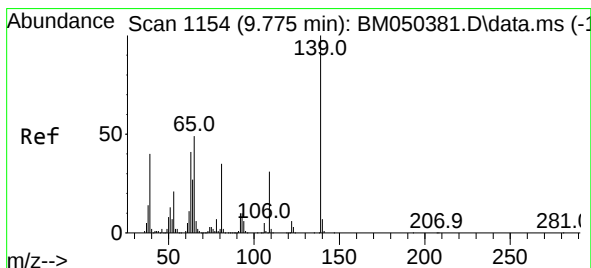
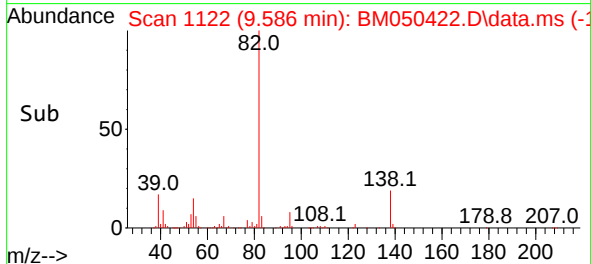
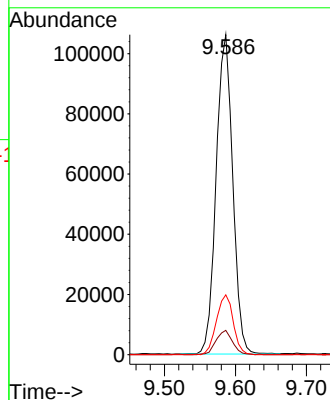
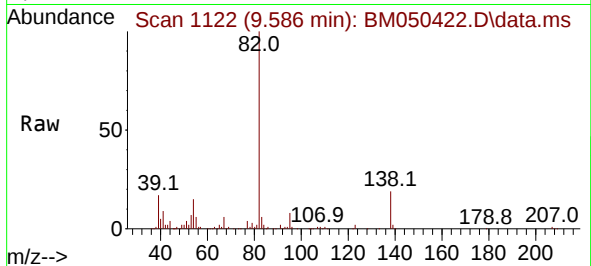




#25
Isophorone
Concen: 3.420 ng
RT: 9.586 min Scan# 1122
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

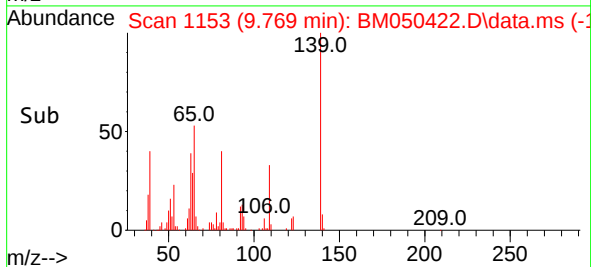
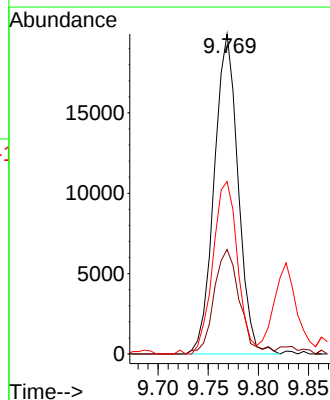
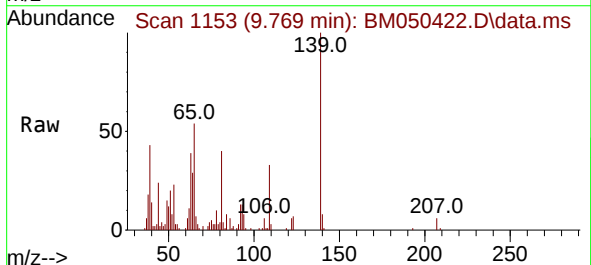
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

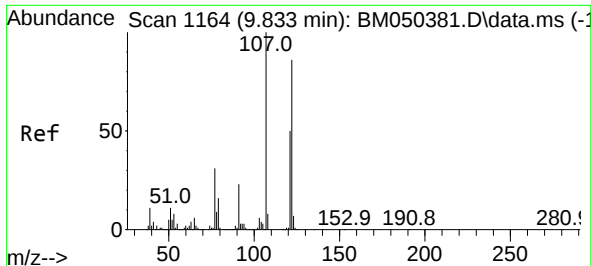
Tgt Ion: 82 Resp: 171574
Ion Ratio Lower Upper
82 100
95 7.6 5.6 8.4
138 18.7 15.3 22.9



#26
2-Nitrophenol
Concen: 2.936 ng
RT: 9.769 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion: 139 Resp: 33017
Ion Ratio Lower Upper
139 100
109 32.7 24.6 36.8
65 53.9 39.2 58.8





#27

2,4-Dimethylphenol

Concen: 3.325 ng

RT: 9.828 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BM050422.D

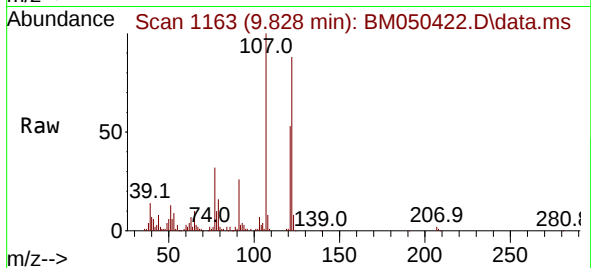
Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025



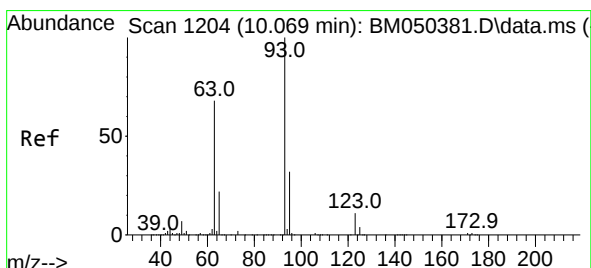
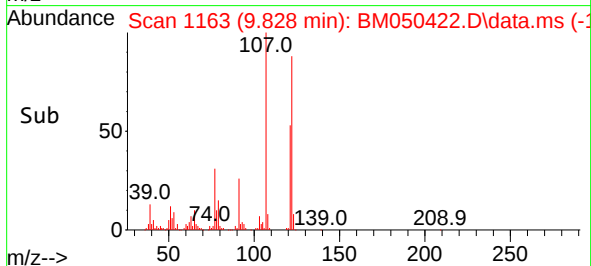
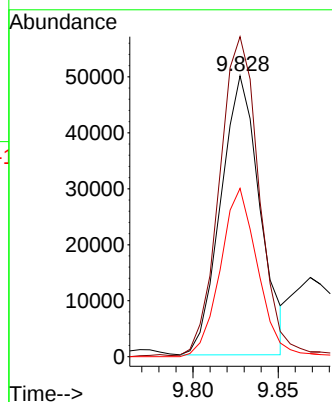
Tgt Ion:122 Resp: 79567

Ion Ratio Lower Upper

122 100

107 113.9 93.0 139.6

121 59.9 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 3.425 ng

RT: 10.063 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

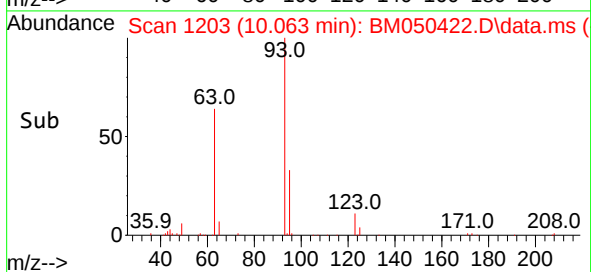
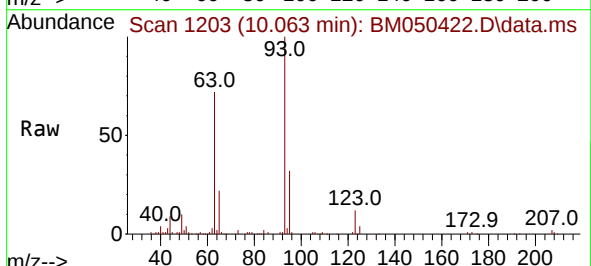
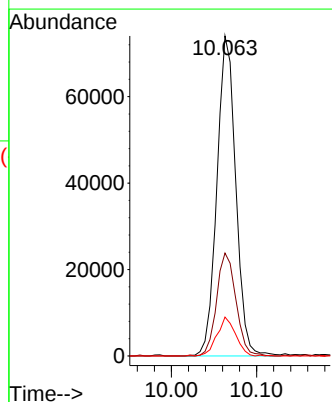
Tgt Ion: 93 Resp: 113850

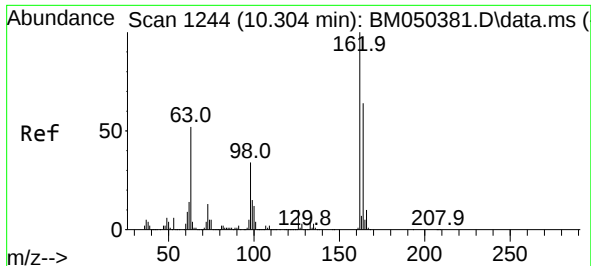
Ion Ratio Lower Upper

93 100

95 32.1 25.8 38.6

123 12.2 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 3.246 ng

RT: 10.298 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

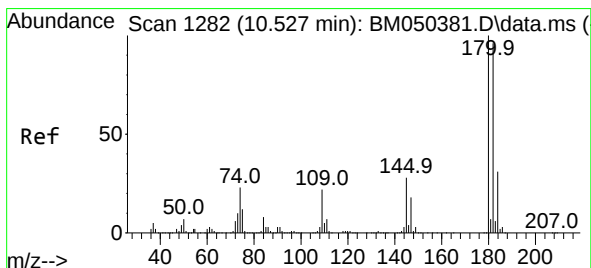
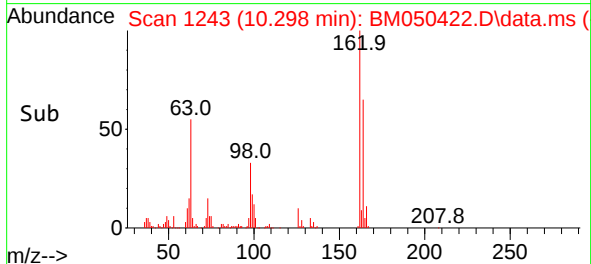
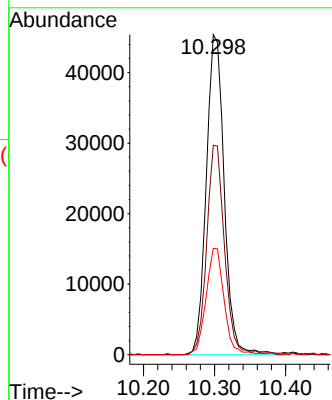
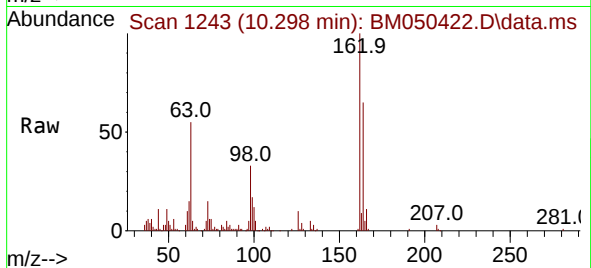
Tgt Ion:162 Resp: 79791

Ion Ratio Lower Upper

162 100

164 65.5 43.7 83.7

98 33.3 13.7 53.7



#30

1,2,4-Trichlorobenzene

Concen: 3.518 ng

RT: 10.522 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

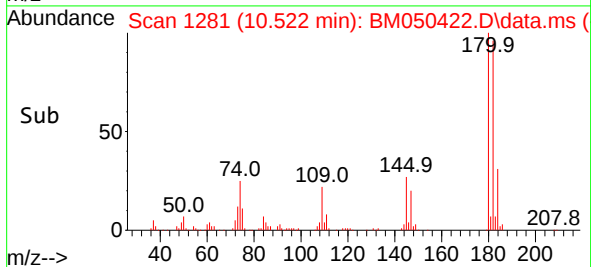
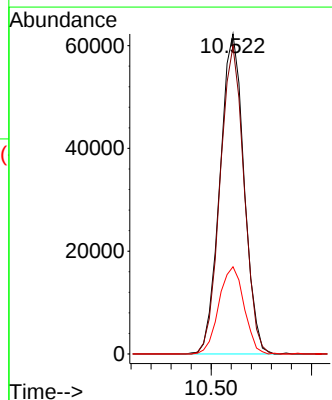
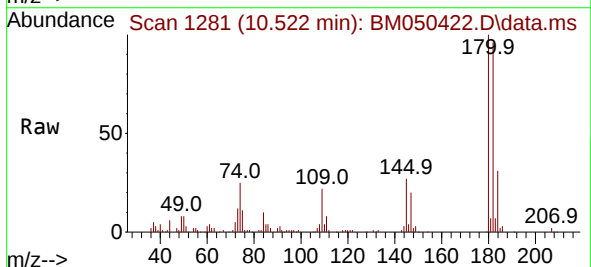
Tgt Ion:180 Resp: 103446

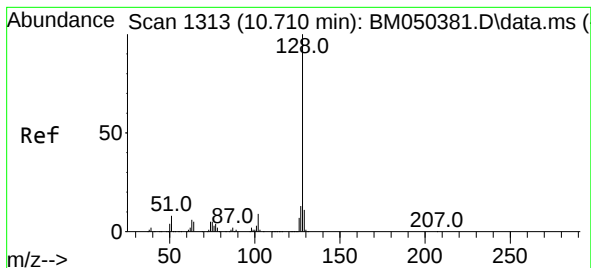
Ion Ratio Lower Upper

180 100

182 96.2 76.8 115.2

145 27.3 22.6 33.8





#31

Naphthalene

Concen: 3.635 ng

RT: 10.704 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

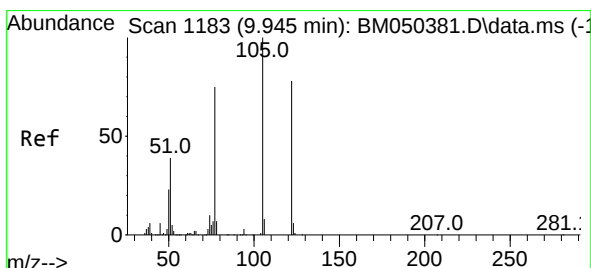
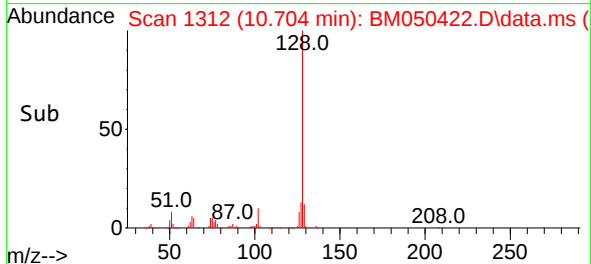
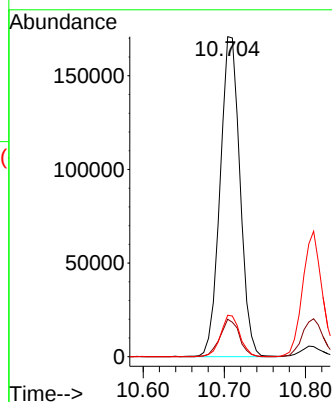
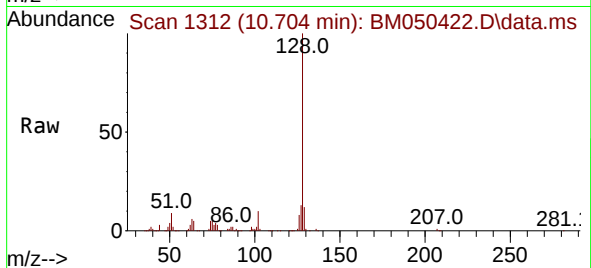
Tgt Ion:128 Resp: 291215

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

127 12.9 10.4 15.6



#32

Benzoic acid

Concen: 7.234 ng

RT: 9.869 min Scan# 1170

Delta R.T. -0.076 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

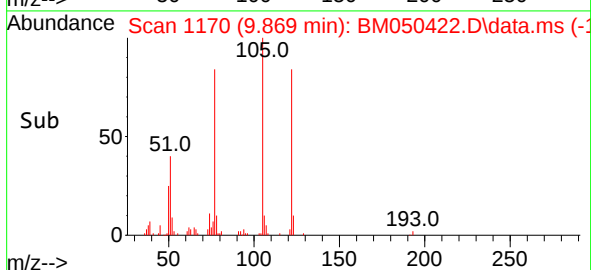
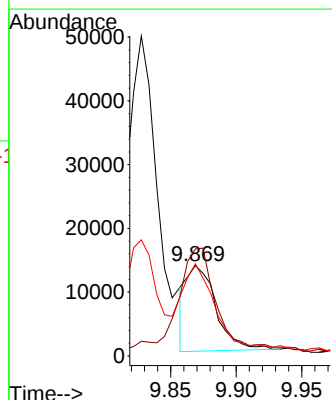
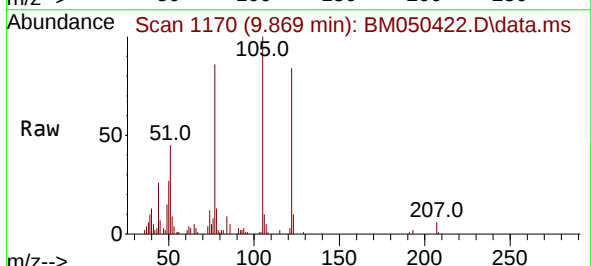
Tgt Ion:122 Resp: 21130

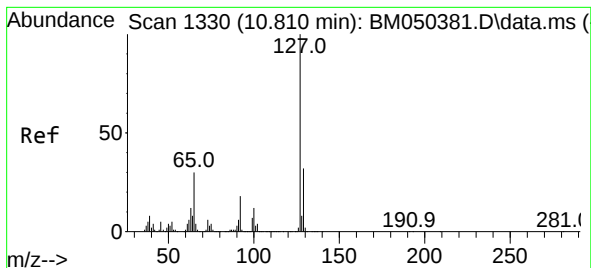
Ion Ratio Lower Upper

122 100

105 118.5 104.0 144.0

77 102.1 73.8 113.8





#33

4-Chloroaniline

Concen: 3.344 ng

RT: 10.810 min Scan# 11

Delta R.T. 0.000 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:127 Resp: 113255

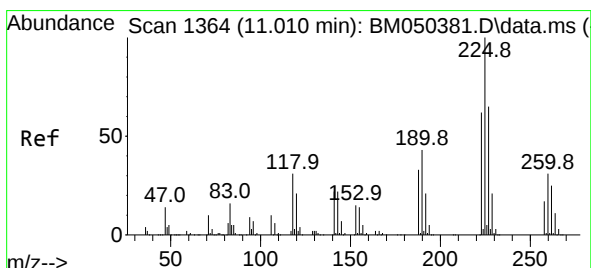
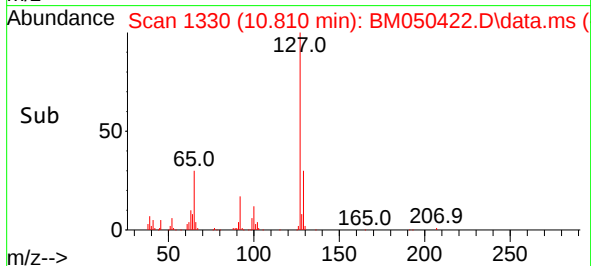
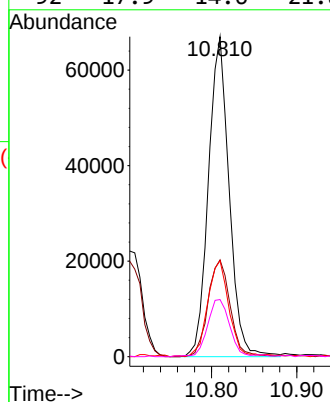
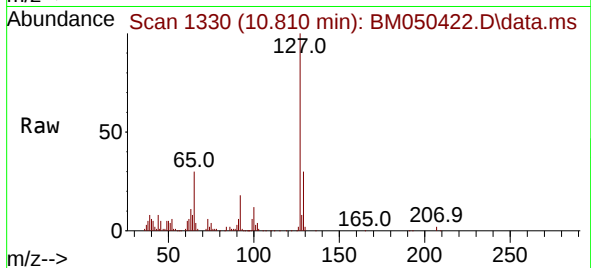
Ion Ratio Lower Upper

127 100

129 30.3 25.5 38.3

65 30.0 23.9 35.9

92 17.9 14.6 21.8



#34

Hexachlorobutadiene

Concen: 3.540 ng

RT: 11.004 min Scan# 1363

Delta R.T. -0.006 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

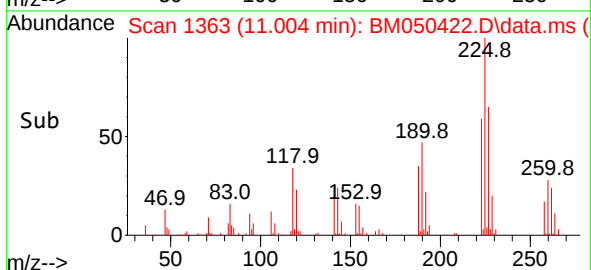
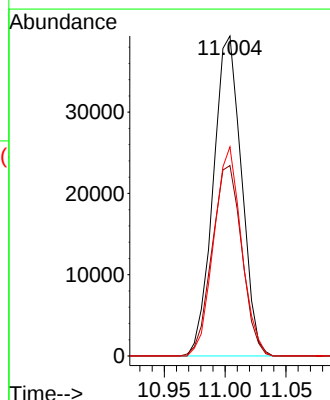
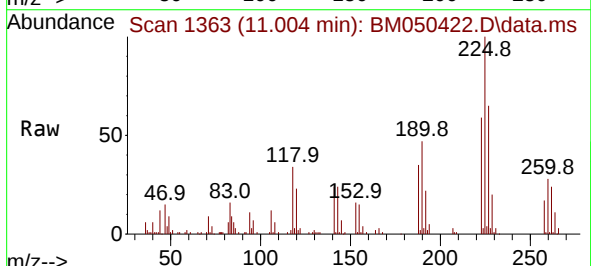
Tgt Ion:225 Resp: 63544

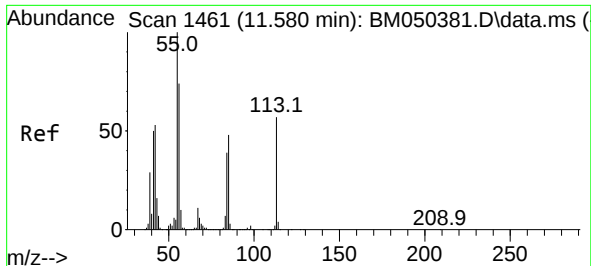
Ion Ratio Lower Upper

225 100

223 59.5 49.7 74.5

227 65.4 52.1 78.1

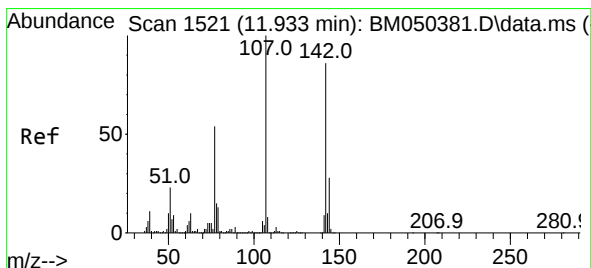
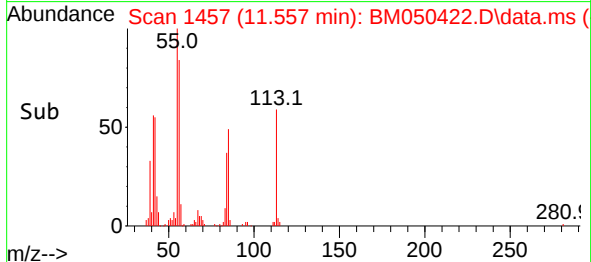
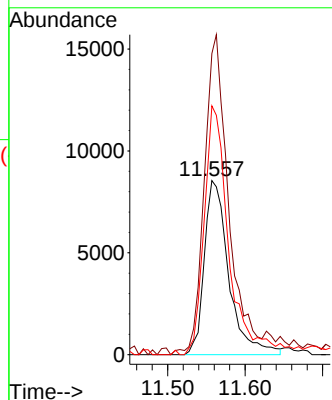
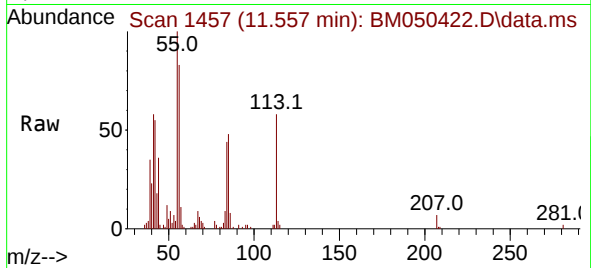




#35
Caprolactam
Concen: 2.797 ng
RT: 11.557 min Scan# 1461
Delta R.T. -0.023 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

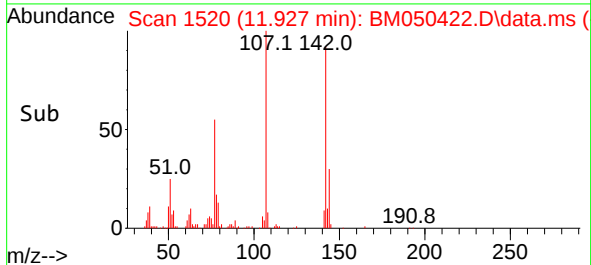
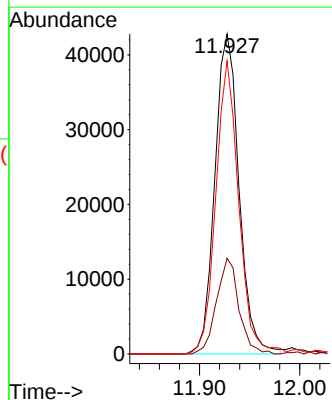
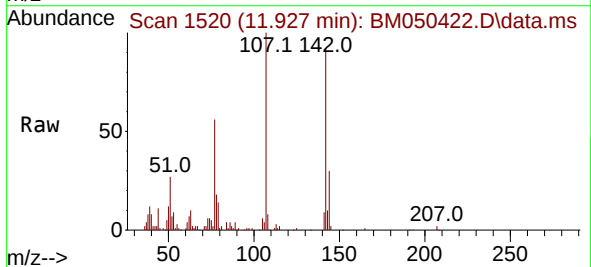
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

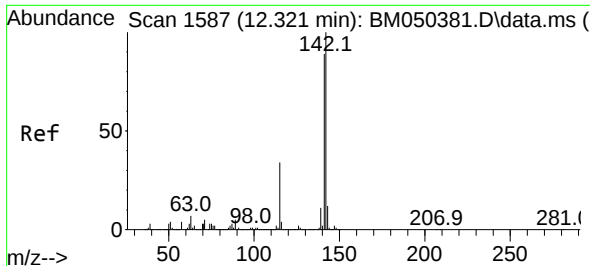
Tgt Ion:113 Resp: 18773
Ion Ratio Lower Upper
113 100
55 172.9 157.2 197.2
56 142.8 111.7 151.7



#36
4-Chloro-3-methylphenol
Concen: 3.126 ng
RT: 11.927 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion:107 Resp: 71764
Ion Ratio Lower Upper
107 100
144 29.9 22.2 33.4
142 91.5 68.7 103.1

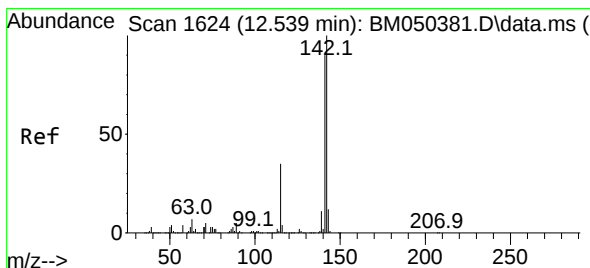
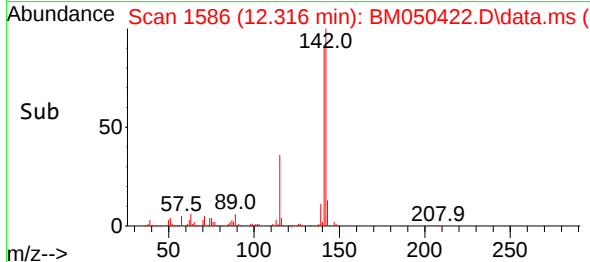
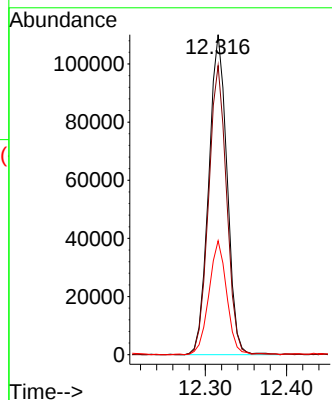
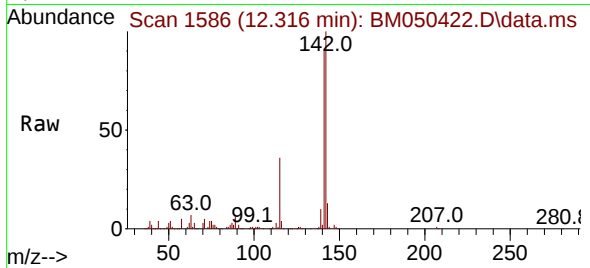




#37
2-Methylnaphthalene
Concen: 3.409 ng
RT: 12.316 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

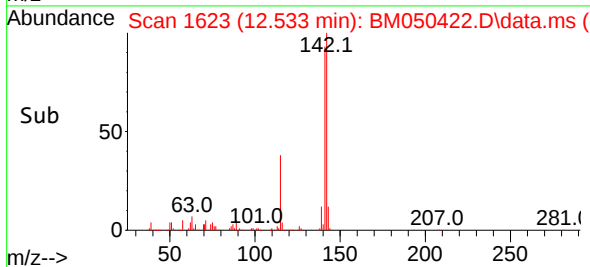
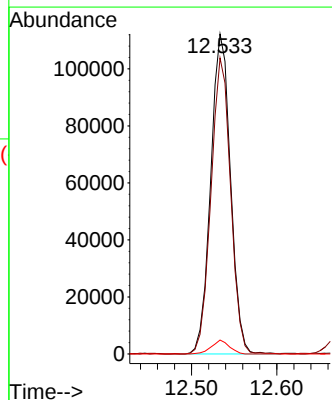
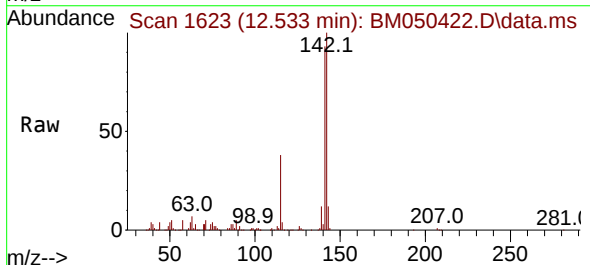
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

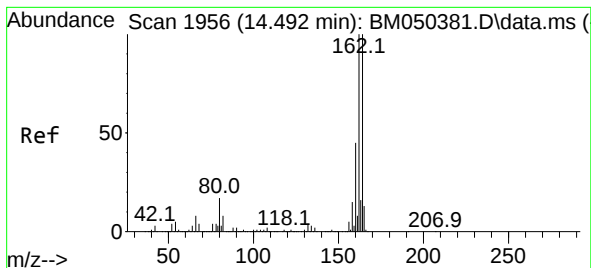
Tgt Ion:142 Resp: 172458
Ion Ratio Lower Upper
142 100
141 90.3 70.8 106.2
115 35.6 27.0 40.4



#38
1-Methylnaphthalene
Concen: 3.386 ng
RT: 12.533 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion:142 Resp: 181265
Ion Ratio Lower Upper
142 100
141 92.5 71.9 107.9
116 4.3 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.486 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050422.D

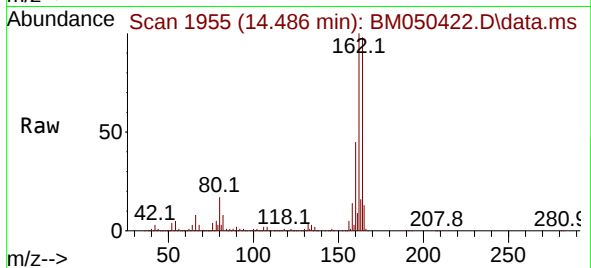
Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025



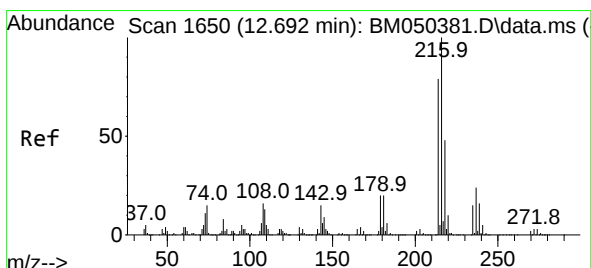
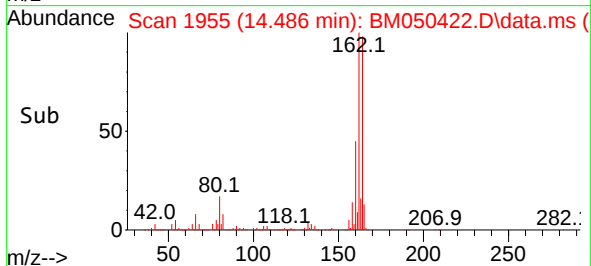
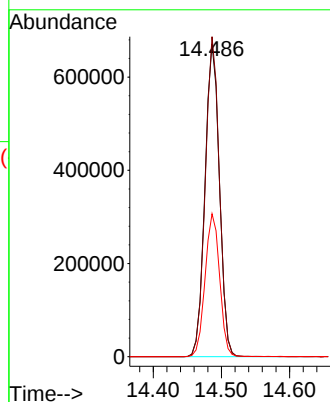
Tgt Ion:164 Resp: 990334

Ion Ratio Lower Upper

164 100

162 102.3 79.9 119.9

160 45.7 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.432 ng

RT: 12.680 min Scan# 1648

Delta R.T. -0.012 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Tgt Ion:216 Resp: 108088

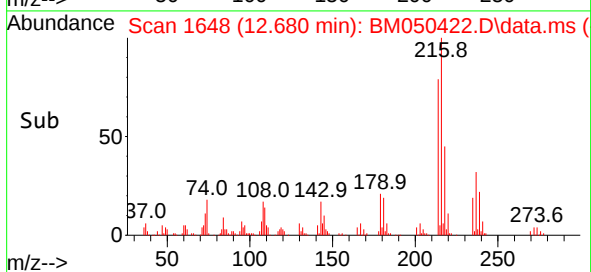
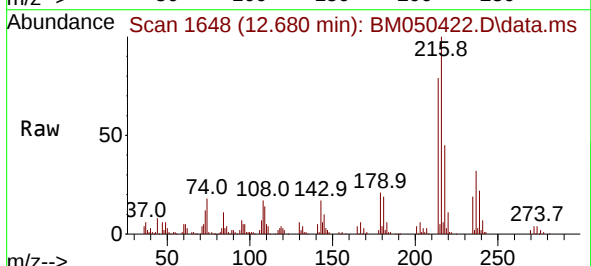
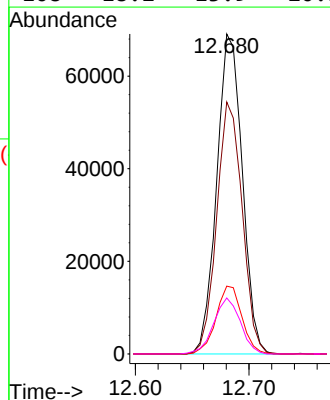
Ion Ratio Lower Upper

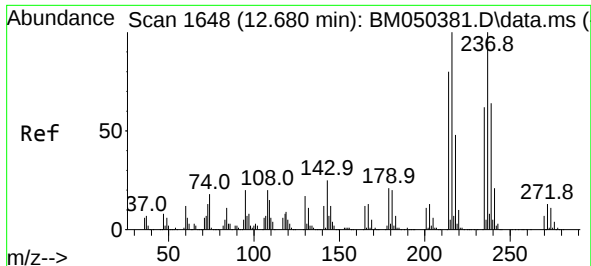
216 100

214 78.5 63.3 94.9

179 21.5 16.4 24.6

108 18.2 13.9 20.9

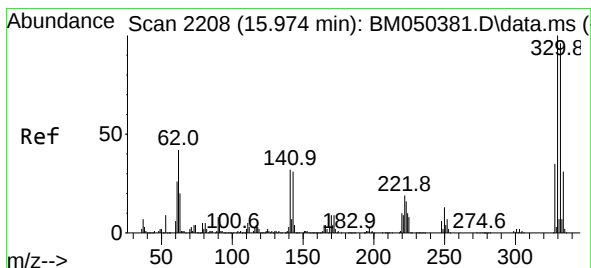
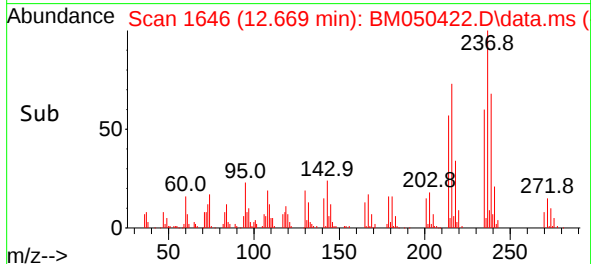
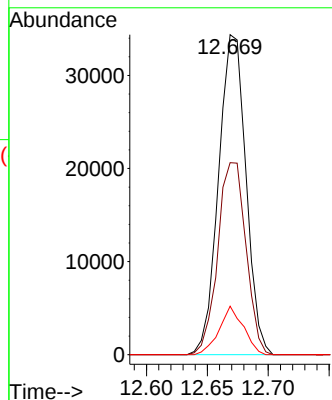
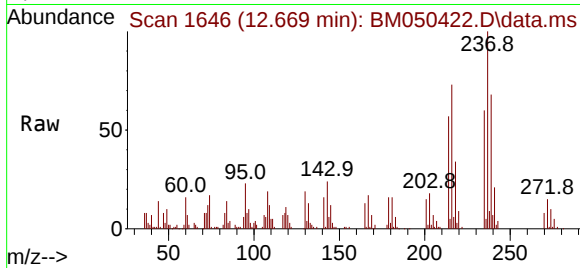




#41
Hexachlorocyclopentadiene
Concen: 2.672 ng
RT: 12.669 min Scan# 1646
Delta R.T. -0.012 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

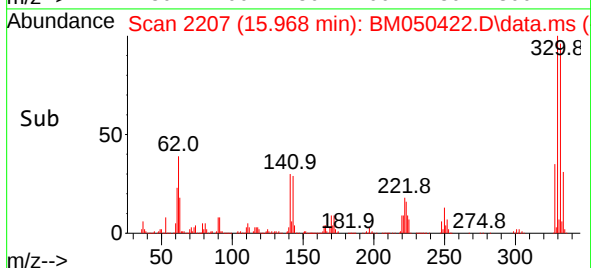
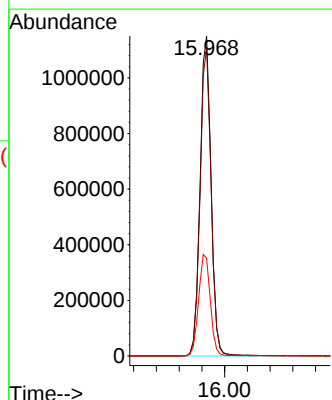
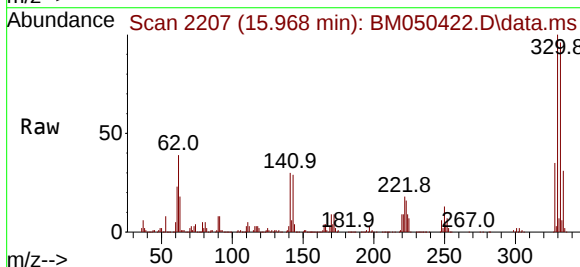
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

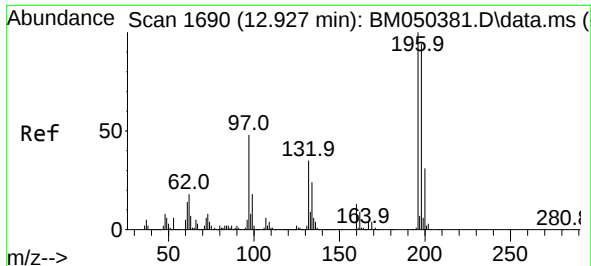
Tgt Ion:237 Resp: 53799
Ion Ratio Lower Upper
237 100
235 60.0 42.3 82.3
272 15.1 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 129.053 ng
RT: 15.968 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion:330 Resp: 1552849
Ion Ratio Lower Upper
330 100
332 96.4 76.9 115.3
141 33.9 27.4 41.0

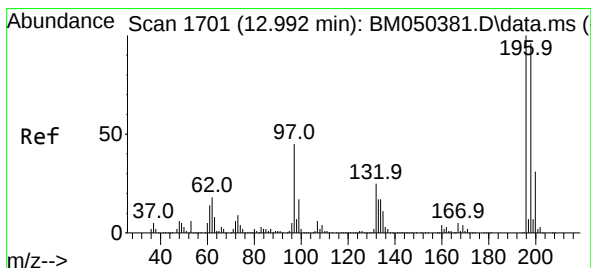
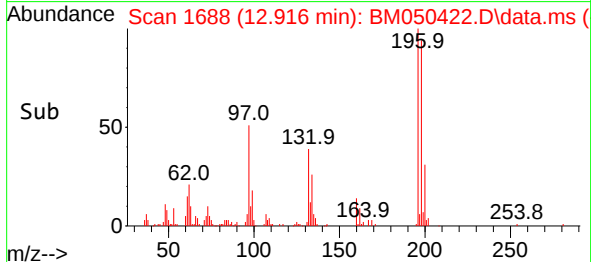
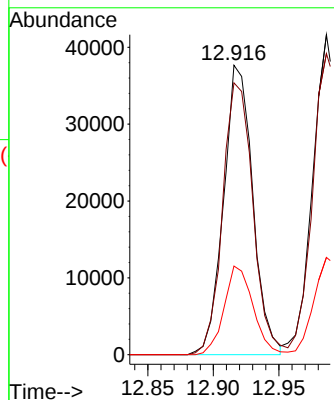
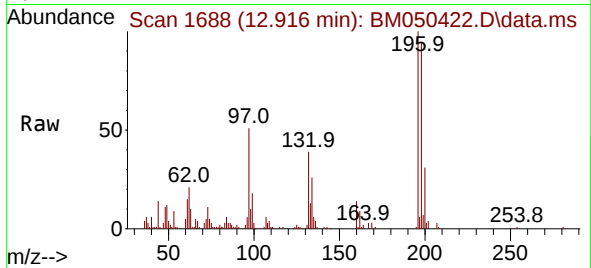




#43
2,4,6-Trichlorophenol
Concen: 3.018 ng
RT: 12.916 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

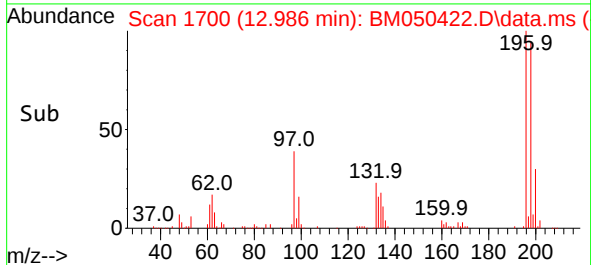
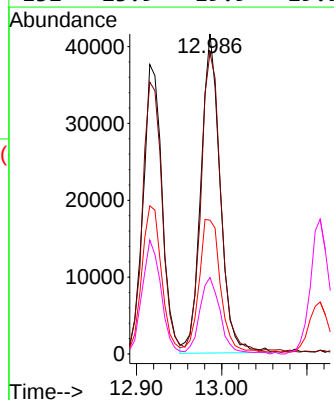
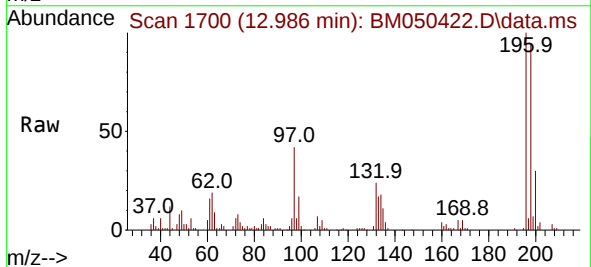
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

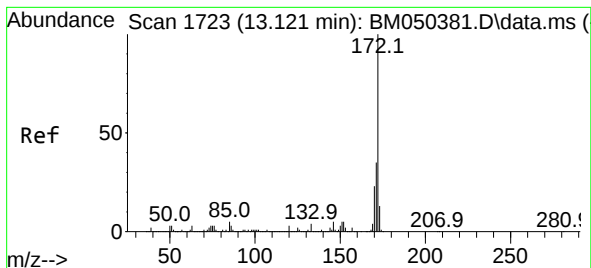
Tgt Ion:196 Resp: 58507
Ion Ratio Lower Upper
196 100
198 93.9 75.1 112.7
200 30.6 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 3.079 ng
RT: 12.986 min Scan# 1700
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion:196 Resp: 65194
Ion Ratio Lower Upper
196 100
198 94.1 77.2 115.8
97 41.9 36.2 54.4
132 23.9 19.9 29.9





#45

2-Fluorobiphenyl

Concen: 77.554 ng

RT: 13.116 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

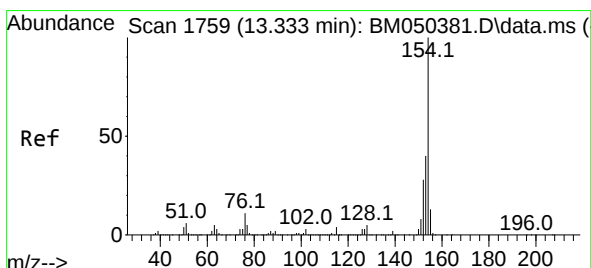
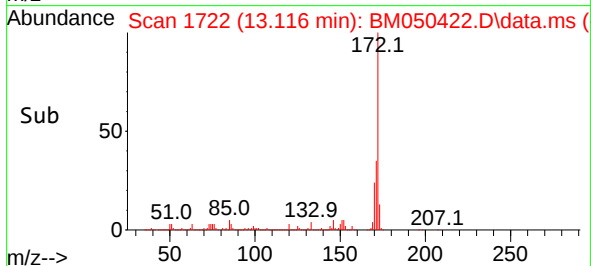
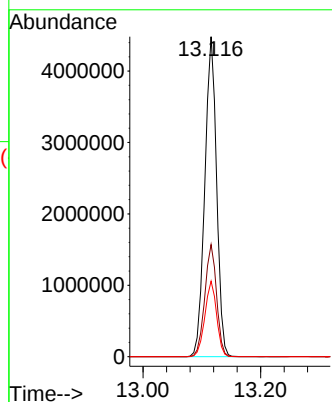
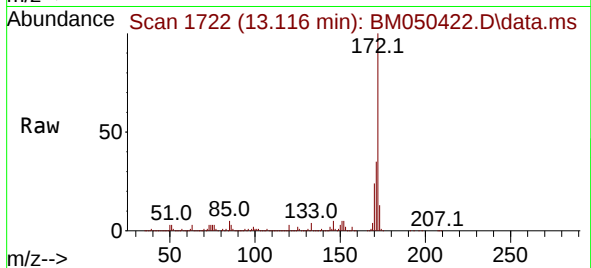
Tgt Ion:172 Resp: 6219313

Ion Ratio Lower Upper

172 100

171 35.1 27.7 41.5

170 23.6 18.8 28.2



#46

1,1'-Biphenyl

Concen: 3.676 ng

RT: 13.322 min Scan# 1757

Delta R.T. -0.012 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

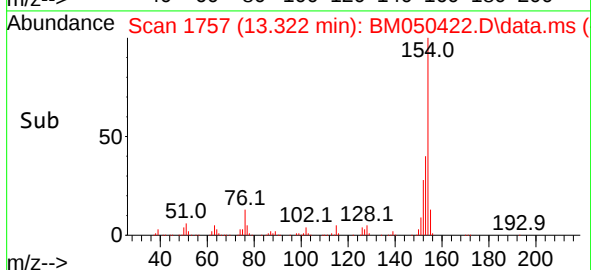
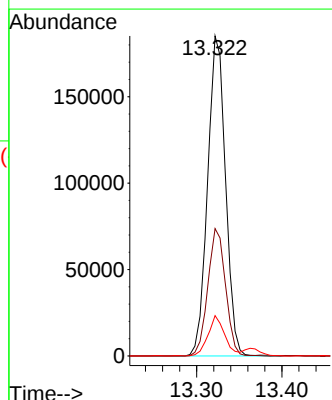
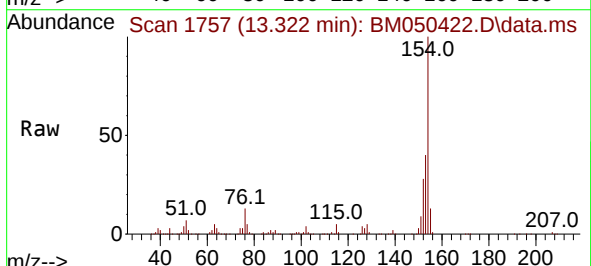
Tgt Ion:154 Resp: 270107

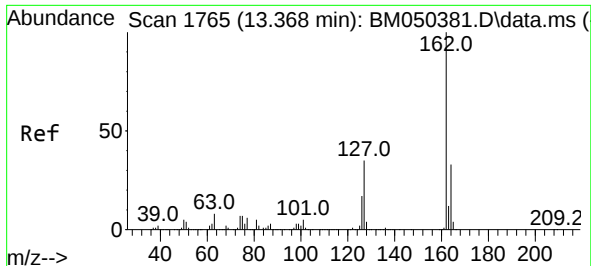
Ion Ratio Lower Upper

154 100

153 39.8 19.7 59.7

76 12.6 0.0 30.9

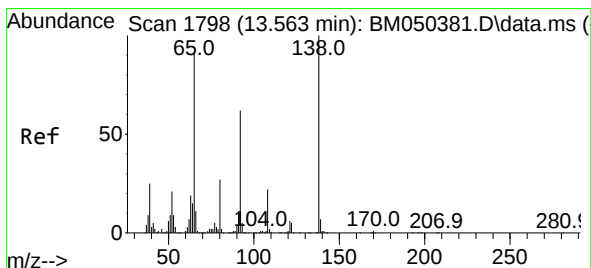
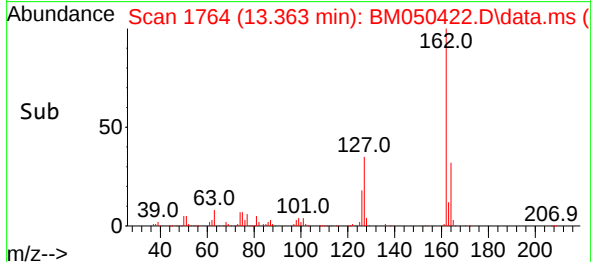
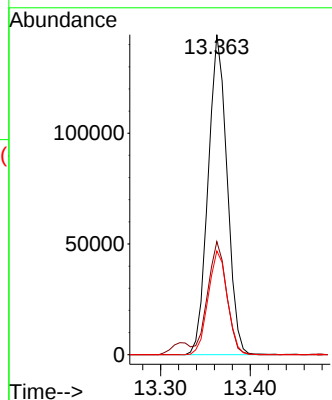
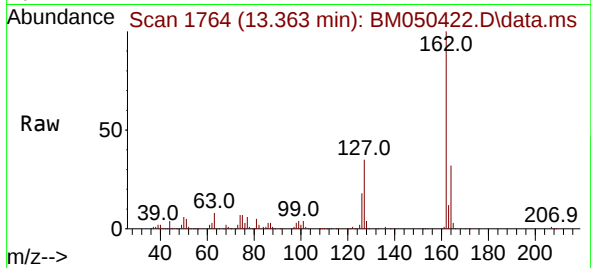




#47
2-Chloronaphthalene
Concen: 3.623 ng
RT: 13.363 min Scan# 1764
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

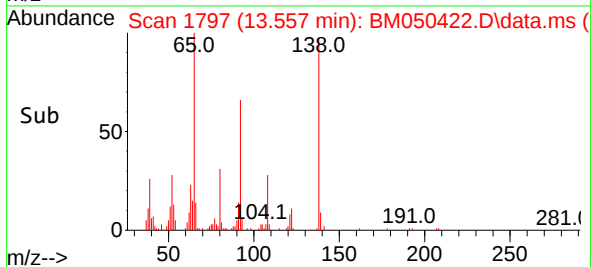
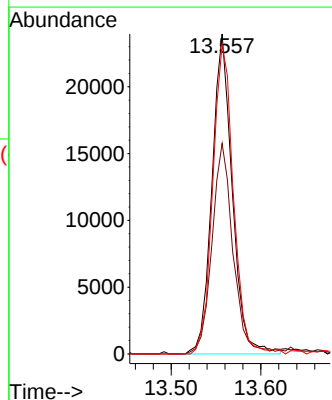
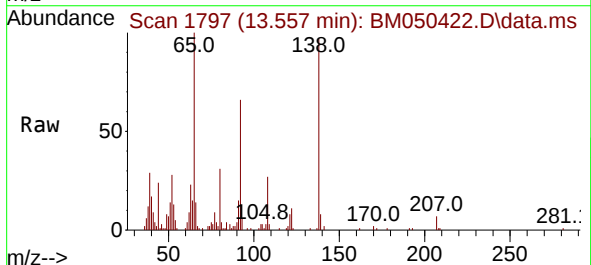
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

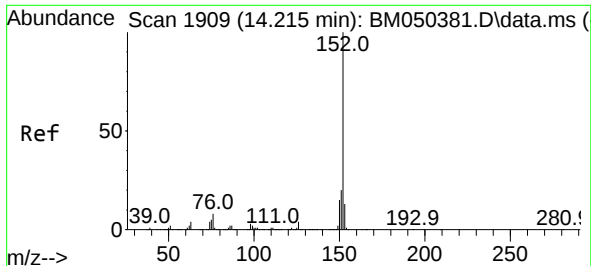
Tgt Ion:162 Resp: 212241
Ion Ratio Lower Upper
162 100
127 35.3 28.3 42.5
164 32.4 26.6 40.0



#48
2-Nitroaniline
Concen: 2.873 ng
RT: 13.557 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion: 65 Resp: 37574
Ion Ratio Lower Upper
65 100
92 65.8 54.3 81.5
138 96.6 87.8 131.6

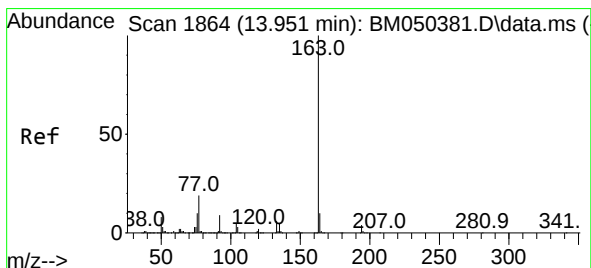
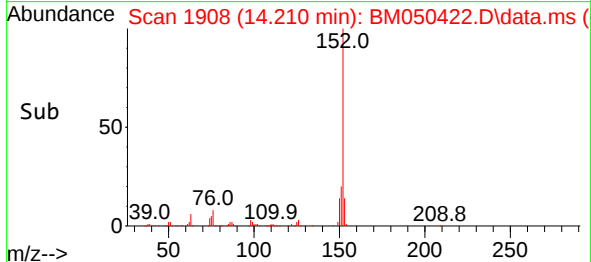
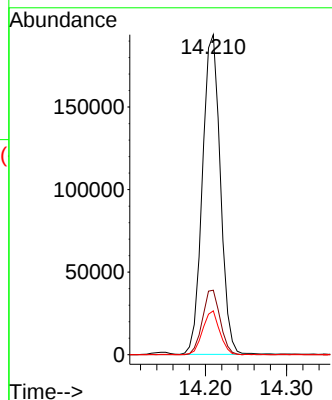
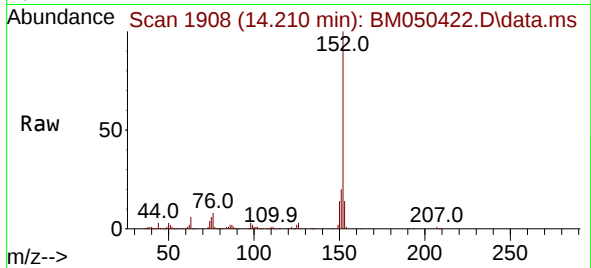




#49
Acenaphthylene
Concen: 3.350 ng
RT: 14.210 min Scan# 1909
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

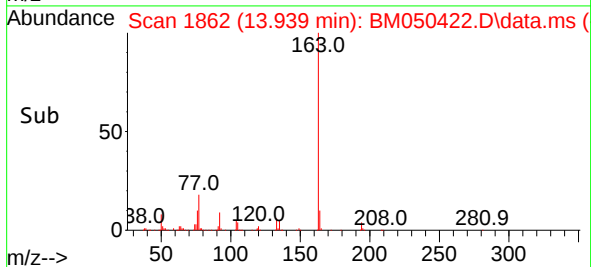
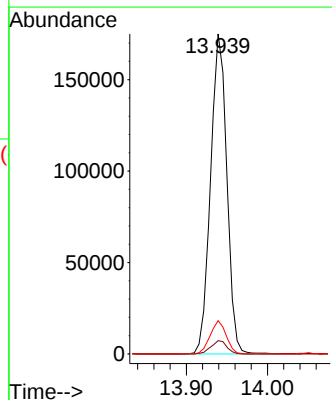
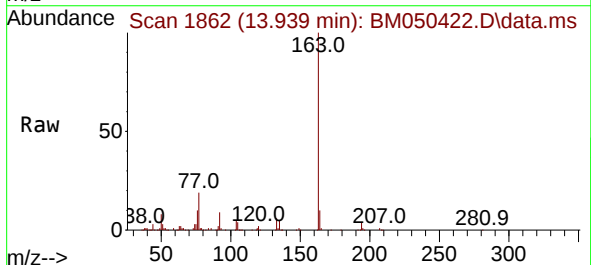
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

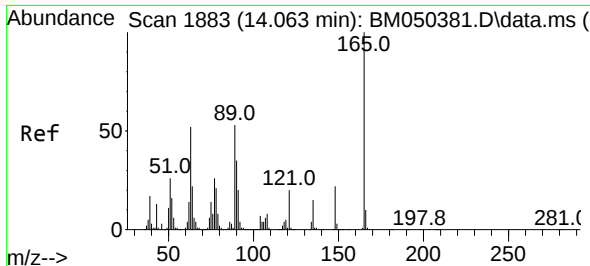
Tgt Ion:152 Resp: 296554
Ion Ratio Lower Upper
152 100
151 20.1 16.3 24.5
153 13.7 10.6 15.8



#50
Dimethylphthalate
Concen: 3.570 ng
RT: 13.939 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion:163 Resp: 243443
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 10.4 8.2 12.2

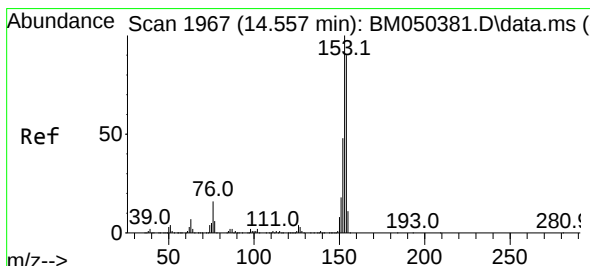
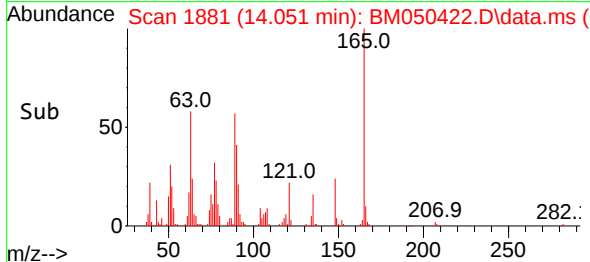
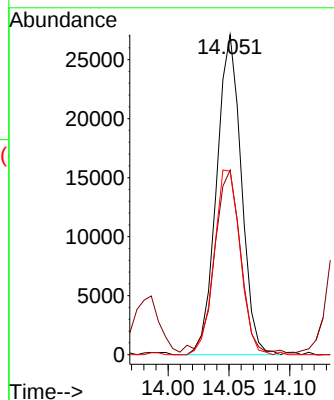
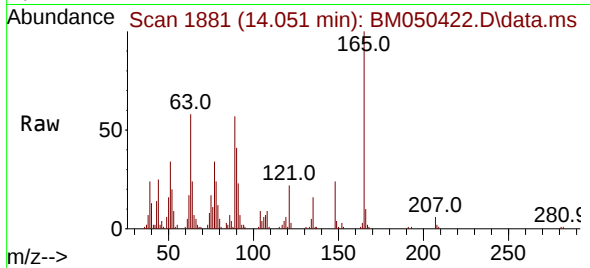




#51
2,6-Dinitrotoluene
Concen: 2.931 ng
RT: 14.051 min Scan# 1881
Delta R.T. -0.012 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

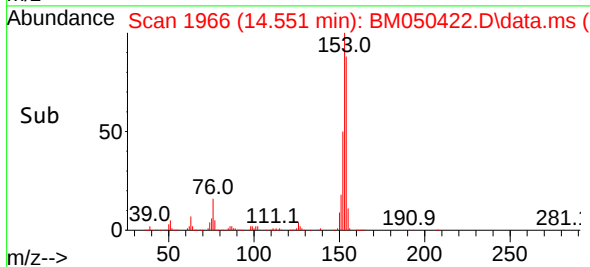
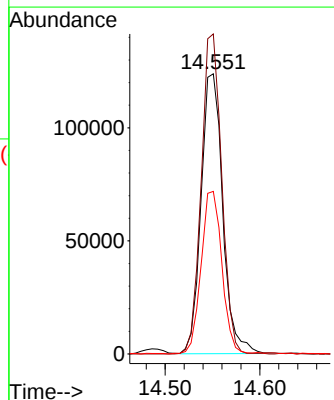
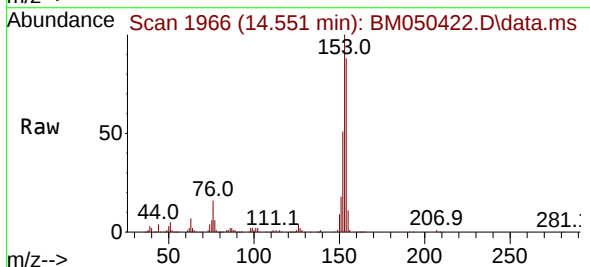
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

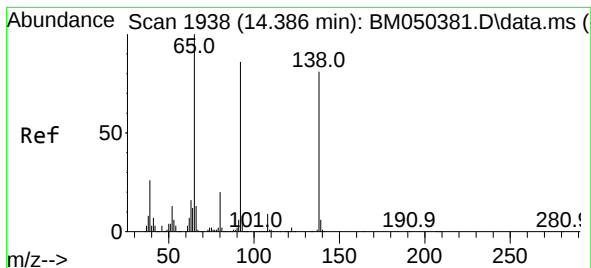
Tgt Ion:165 Resp: 38371
Ion Ratio Lower Upper
165 100
63 57.7 42.4 63.6
89 57.4 42.2 63.2



#52
Acenaphthene
Concen: 3.485 ng
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion:154 Resp: 196179
Ion Ratio Lower Upper
154 100
153 114.2 89.2 133.8
152 58.0 42.6 64.0

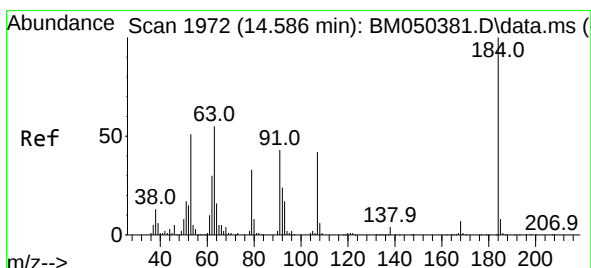
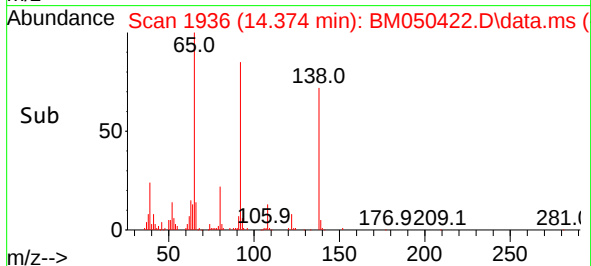
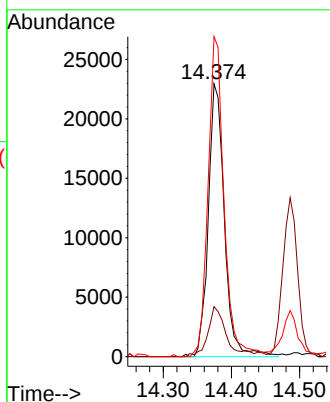
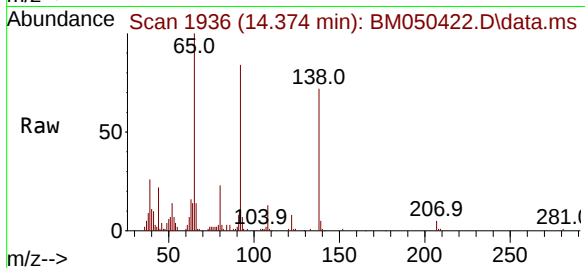




#53
3-Nitroaniline
Concen: 2.711 ng
RT: 14.374 min Scan# 1936
Delta R.T. -0.012 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

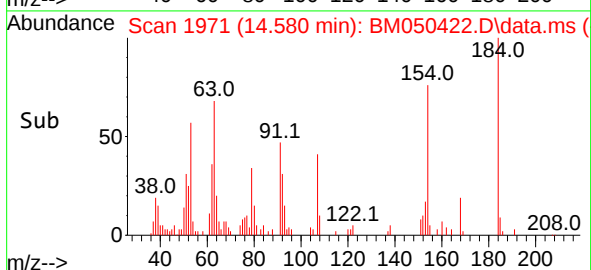
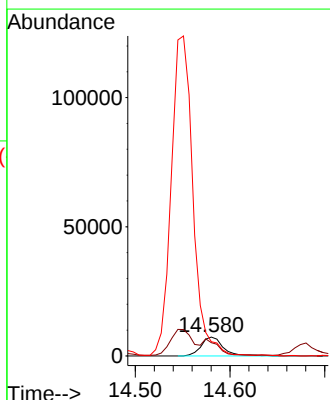
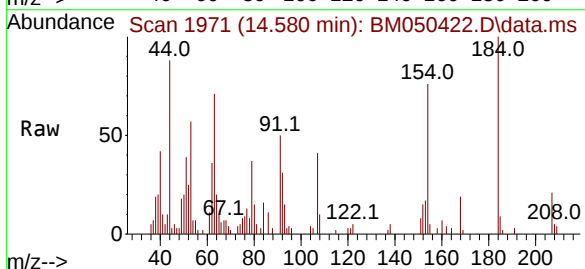
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

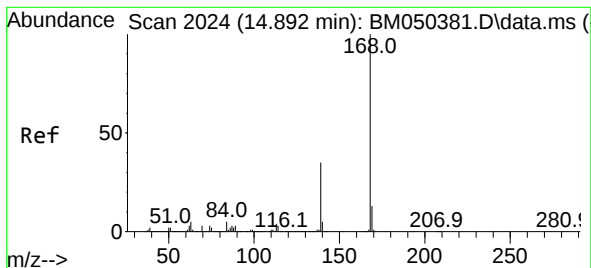
Tgt Ion:138 Resp: 37739
Ion Ratio Lower Upper
138 100
108 18.4 8.8 13.2#
92 117.2 85.0 127.6



#54
2,4-Dinitrophenol
Concen: 7.915 ng
RT: 14.580 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion:184 Resp: 11840
Ion Ratio Lower Upper
184 100
63 70.6 53.4 80.0
154 75.6 61.6 92.4





#55

Dibenzenofuran

Concen: 3.639 ng

RT: 14.880 min Scan# 20

Delta R.T. -0.012 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

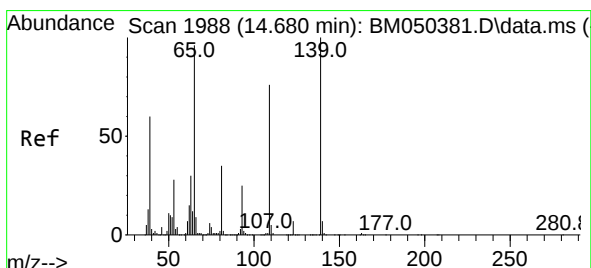
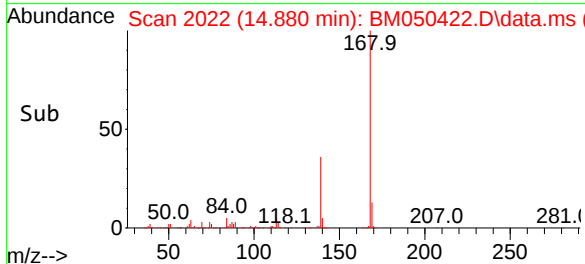
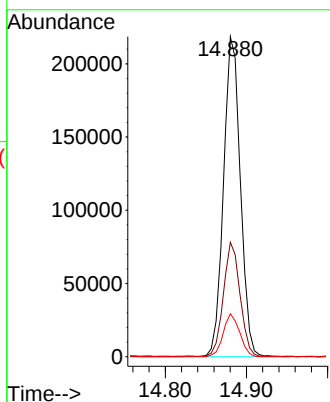
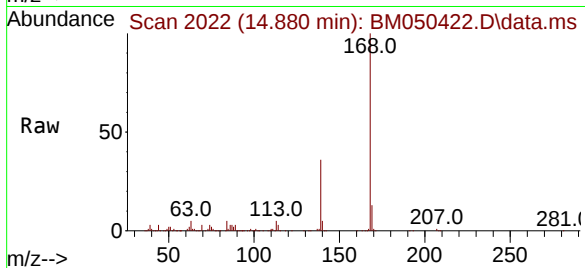
Tgt Ion:168 Resp: 315638

Ion Ratio Lower Upper

168 100

139 35.8 27.7 41.5

169 13.4 10.7 16.1



#56

4-Nitrophenol

Concen: 2.199 ng

RT: 14.680 min Scan# 1988

Delta R.T. 0.000 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

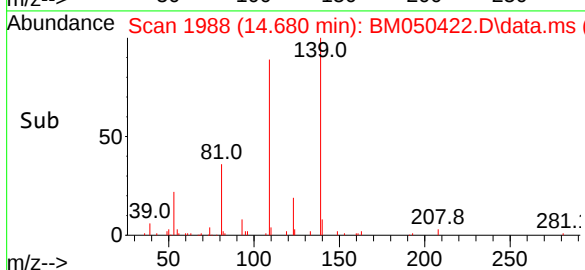
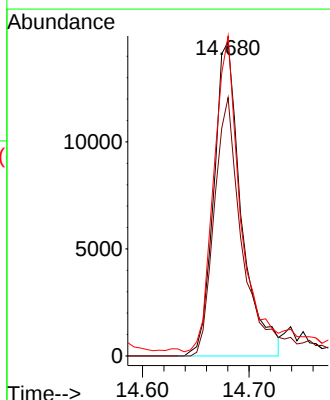
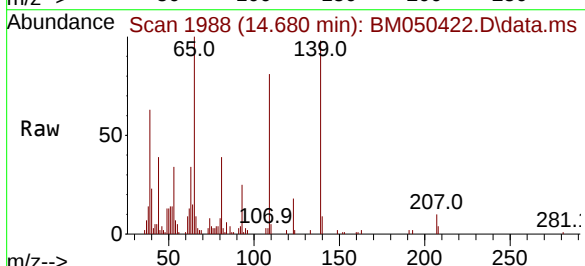
Tgt Ion:139 Resp: 26330

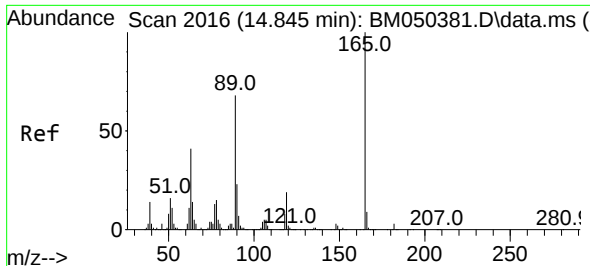
Ion Ratio Lower Upper

139 100

109 82.2 56.5 96.5

65 101.8 76.4 116.4

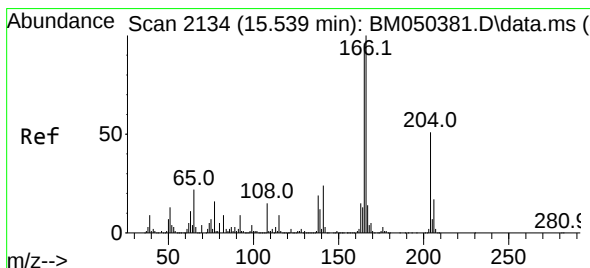
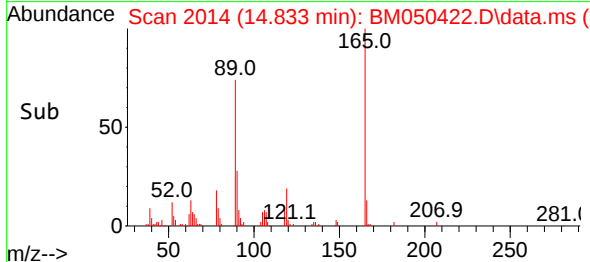
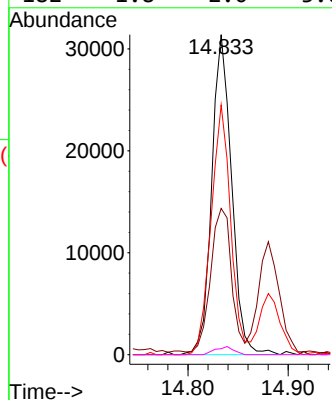
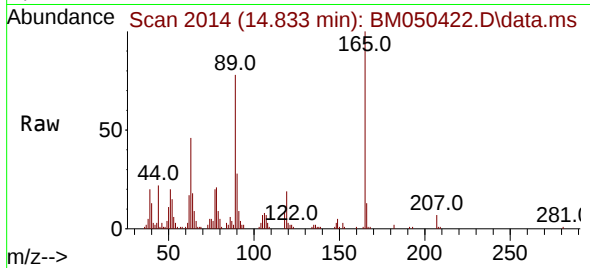




#57
2,4-Dinitrotoluene
Concen: 4.806 ng
RT: 14.833 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

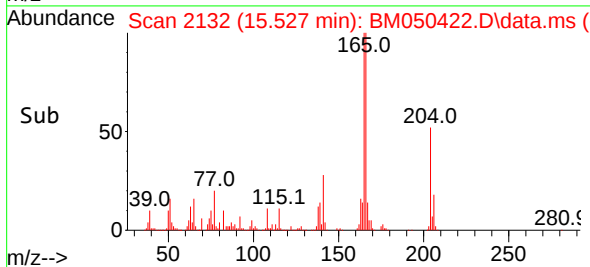
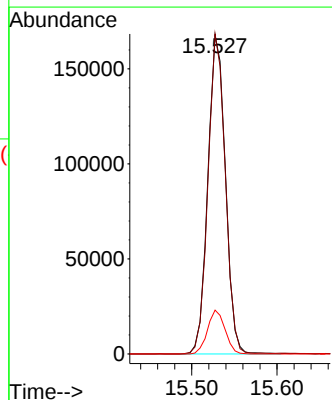
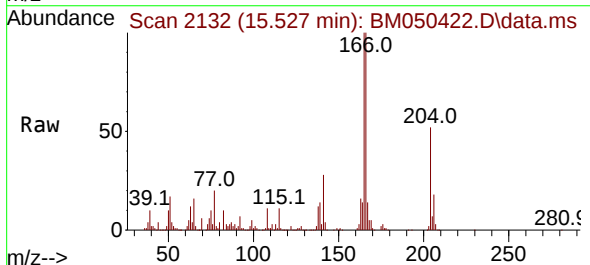
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

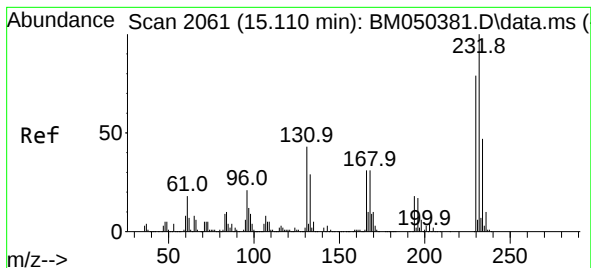
Tgt Ion:165 Resp: 43249
Ion Ratio Lower Upper
165 100
63 45.7 32.5 48.7
89 78.1 54.0 81.0
182 1.8 2.0 3.0#



#58
Fluorene
Concen: 3.368 ng
RT: 15.527 min Scan# 2132
Delta R.T. -0.012 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion:166 Resp: 240574
Ion Ratio Lower Upper
166 100
165 100.4 77.0 115.6
167 13.8 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.168 ng

RT: 15.104 min Scan# 2060

Delta R.T. -0.006 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:232 Resp: 56459

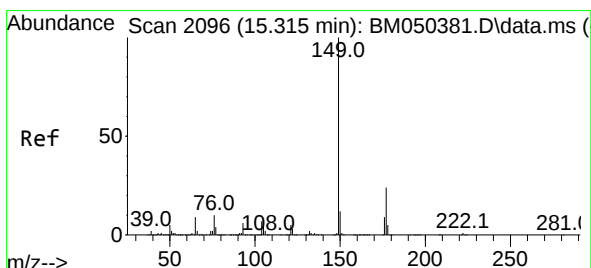
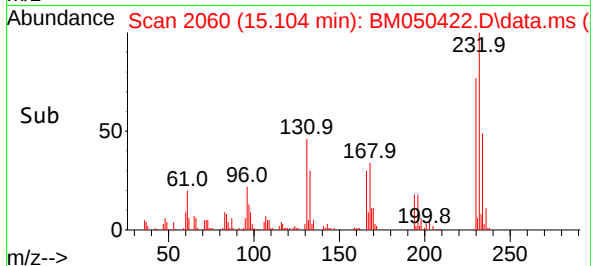
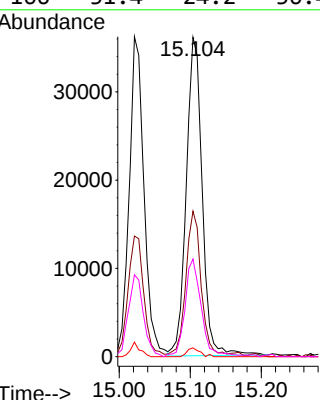
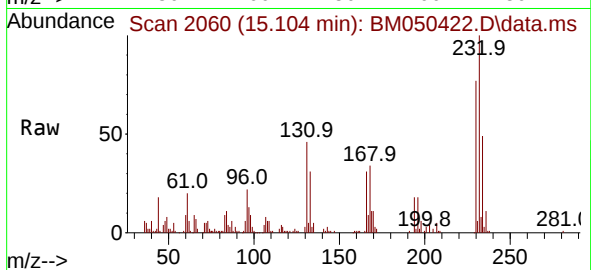
Ion Ratio Lower Upper

232 100

131 42.1 33.4 50.0

130 2.2 1.8 2.6

166 31.4 24.2 36.4



#60

Diethylphthalate

Concen: 3.427 ng

RT: 15.304 min Scan# 2094

Delta R.T. -0.012 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

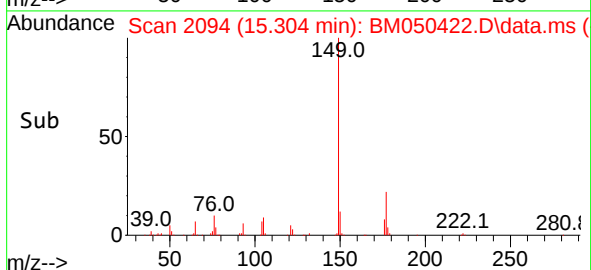
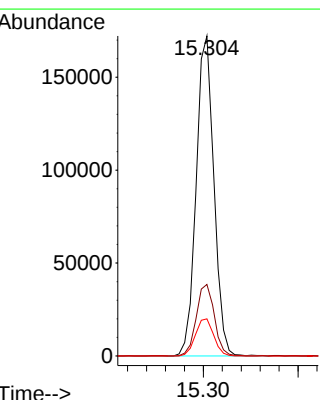
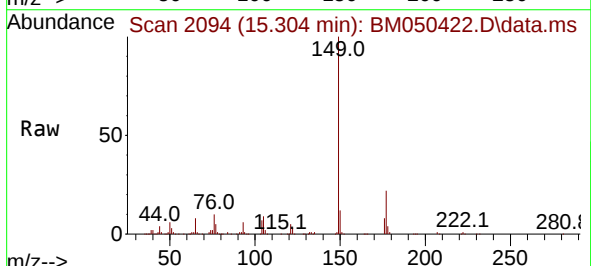
Tgt Ion:149 Resp: 223226

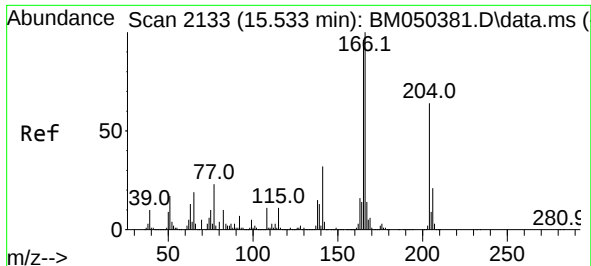
Ion Ratio Lower Upper

149 100

177 22.3 18.8 28.2

150 11.6 9.8 14.8

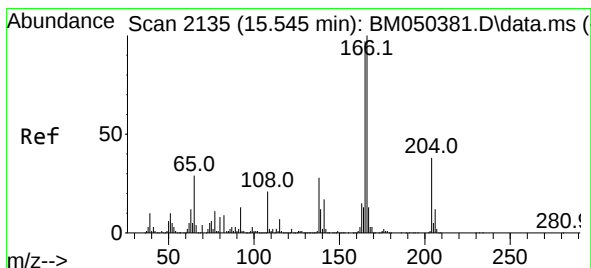
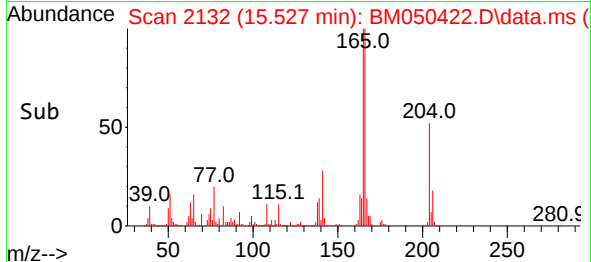
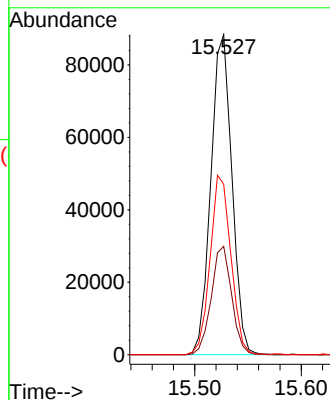
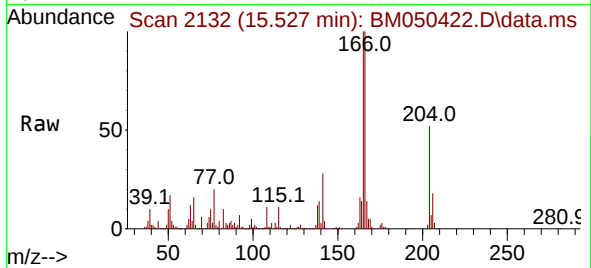




#61
4-Chlorophenyl-phenylether
Concen: 3.251 ng
RT: 15.527 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

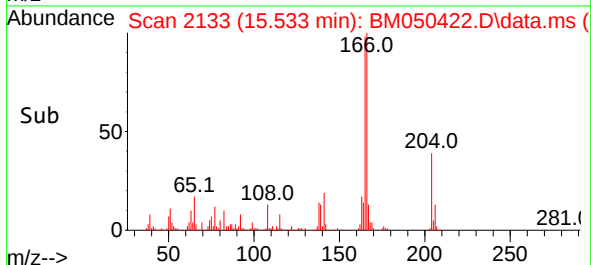
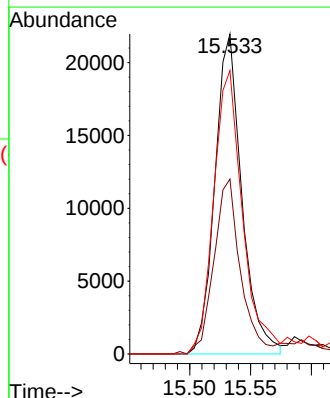
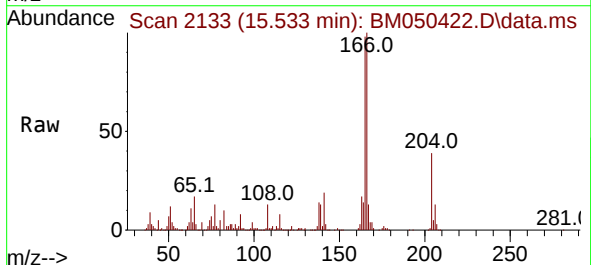
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

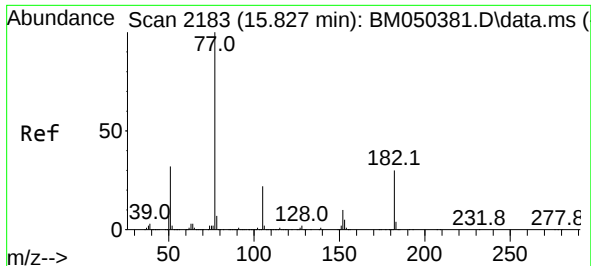
Tgt Ion:204 Resp: 121453
Ion Ratio Lower Upper
204 100
206 33.8 26.6 39.8
141 53.3 39.9 59.9



#62
4-Nitroaniline
Concen: 4.591 ng
RT: 15.533 min Scan# 2133
Delta R.T. -0.012 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion:138 Resp: 33903
Ion Ratio Lower Upper
138 100
92 54.7 24.5 64.5
108 88.6 52.5 92.5

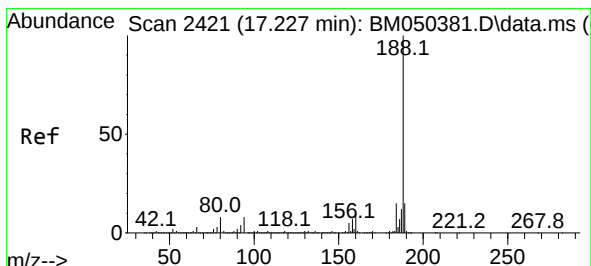
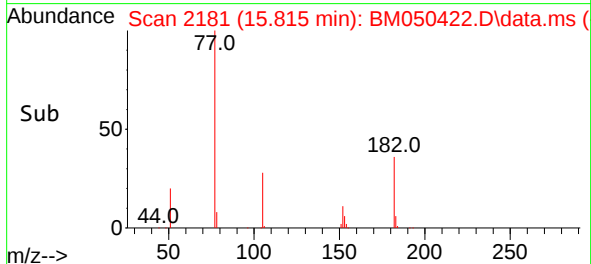
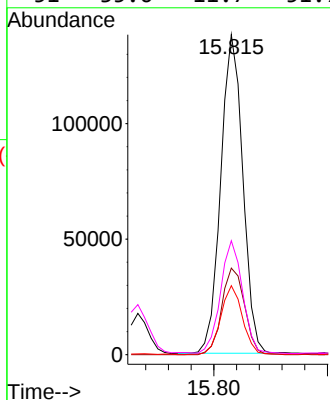
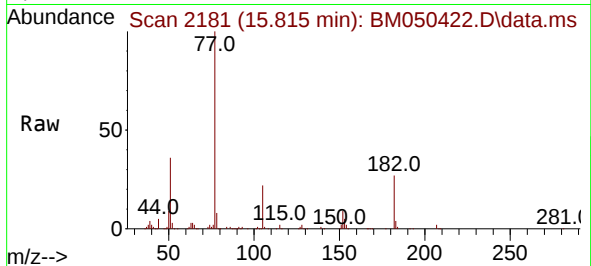




#63
Azobenzene
Concen: 3.110 ng
RT: 15.815 min Scan# 2181
Delta R.T. -0.012 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

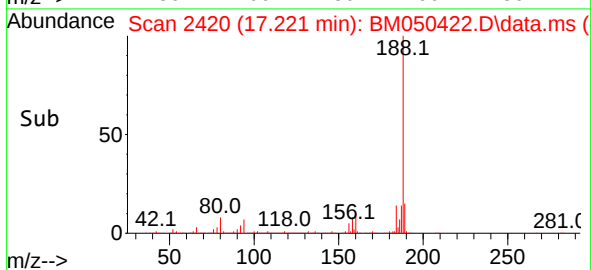
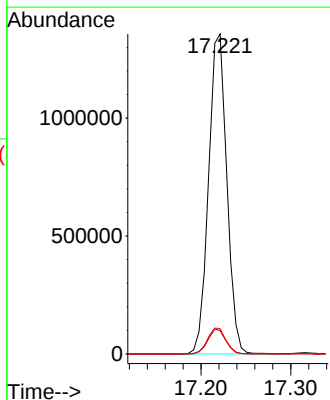
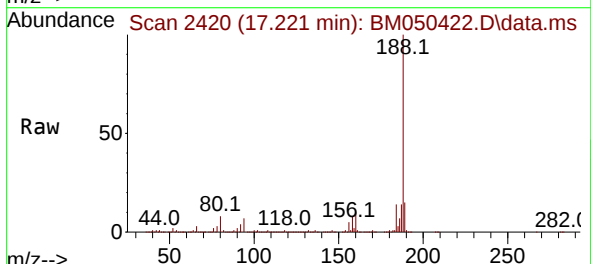
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

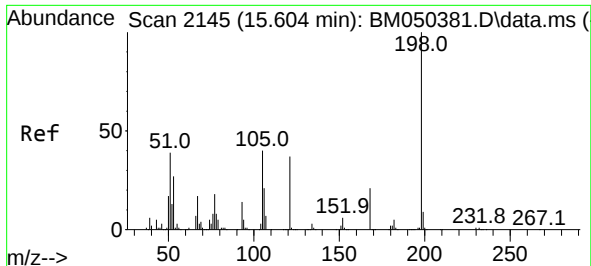
Tgt Ion: 77	Resp: 185980
Ion Ratio	Lower Upper
77 100	
182 27.0	10.0 50.0
105 21.6	2.0 42.0
51 35.6	11.7 51.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion:188	Resp: 1915892		
Ion Ratio	Lower	Upper	
188 100			
94 7.3	6.0	9.0	
80 7.9	6.5	9.7	

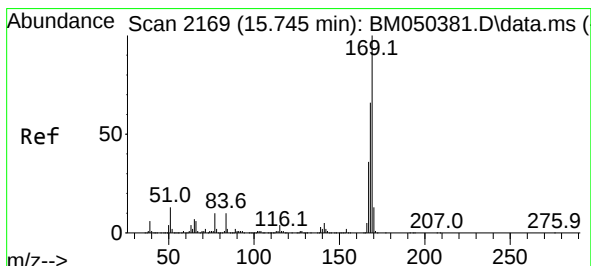
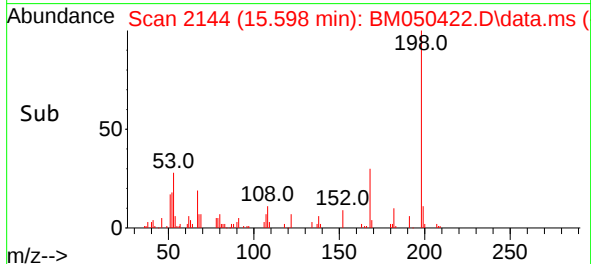
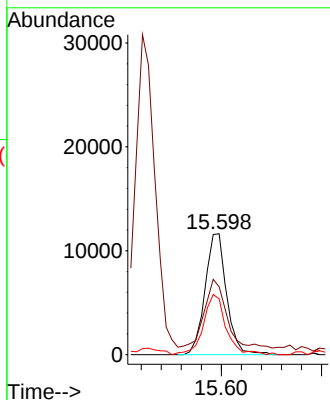
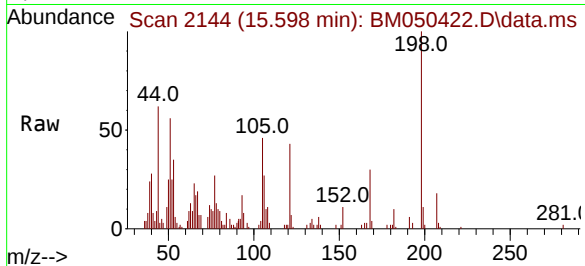




#65
4,6-Dinitro-2-methylphenol
Concen: 7.769 ng
RT: 15.598 min Scan# 2144
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

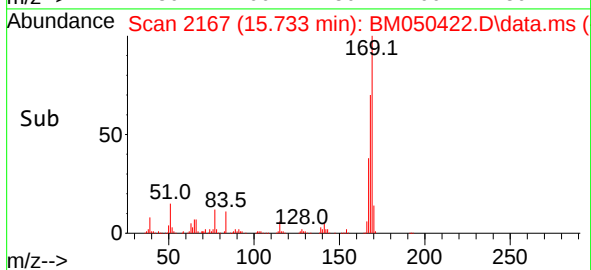
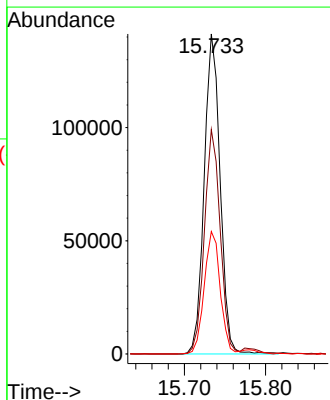
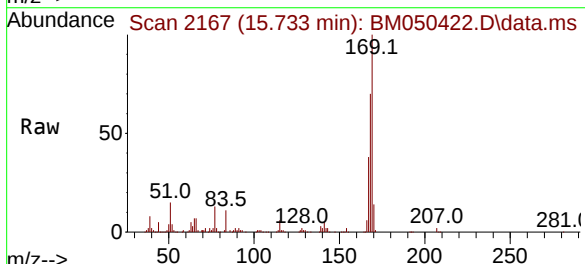
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

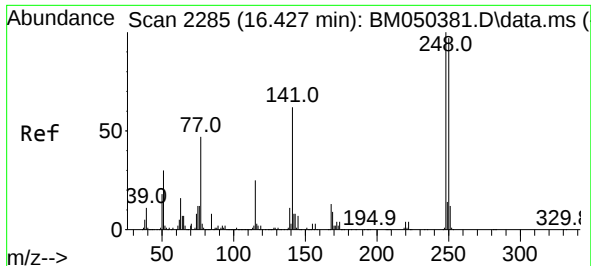
Tgt Ion	Ratio	Lower	Upper
198	100		
51	56.1	26.6	66.6
105	46.2	20.9	60.9



#66
n-Nitrosodiphenylamine
Concen: 3.208 ng
RT: 15.733 min Scan# 2167
Delta R.T. -0.012 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion	Ratio	Lower	Upper
169	100		
168	70.1	53.2	79.8
167	38.3	28.7	43.1

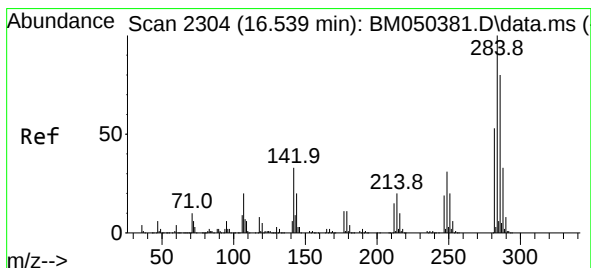
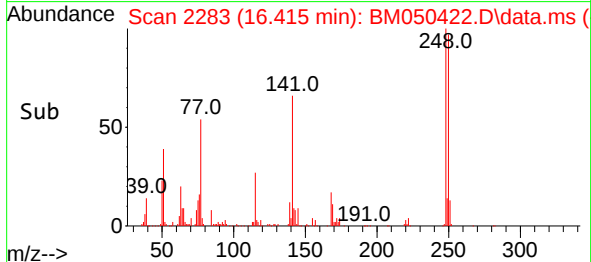
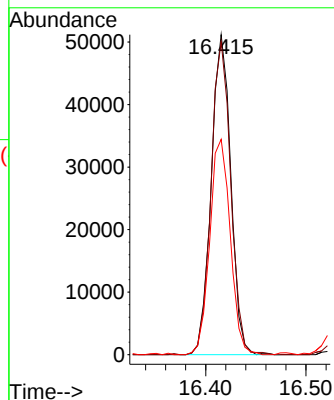
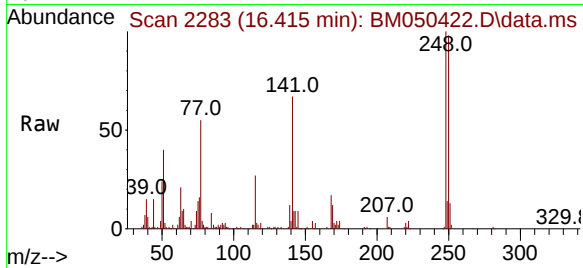




#67
4-Bromophenyl-phenylether
Concen: 3.280 ng
RT: 16.415 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

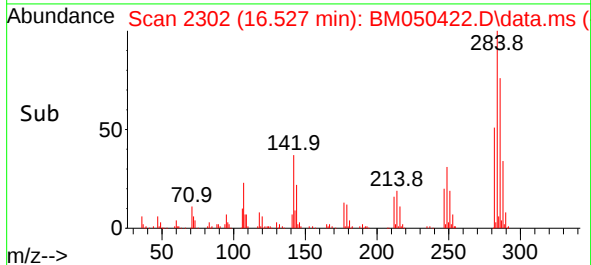
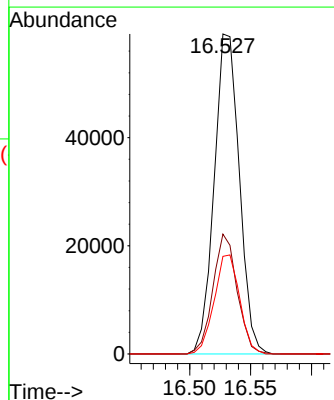
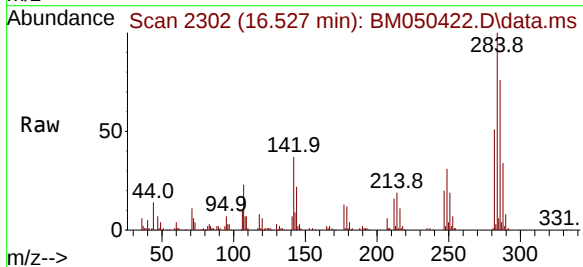
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

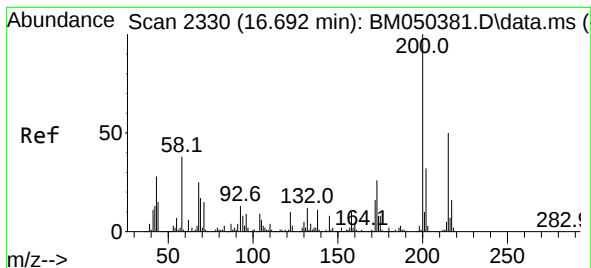
Tgt Ion:248 Resp: 69243
Ion Ratio Lower Upper
248 100
250 97.8 77.9 116.9
141 67.3 49.7 74.5



#68
Hexachlorobenzene
Concen: 3.409 ng
RT: 16.527 min Scan# 2302
Delta R.T. -0.012 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion:284 Resp: 84992
Ion Ratio Lower Upper
284 100
142 37.5 26.8 40.2
249 30.5 24.5 36.7





#69

Atrazine

Concen: 3.099 ng

RT: 16.680 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

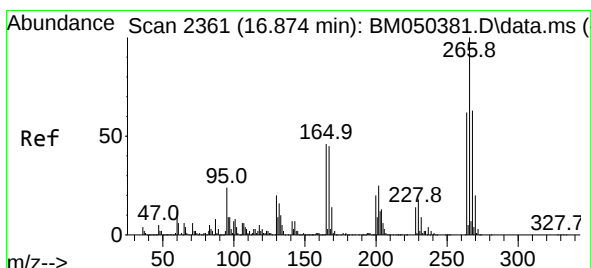
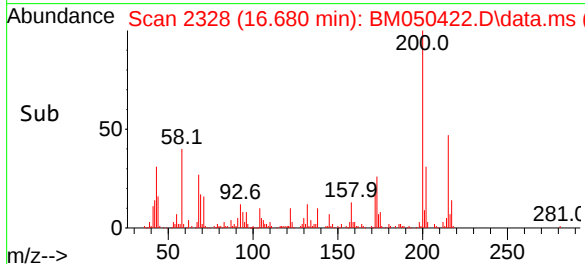
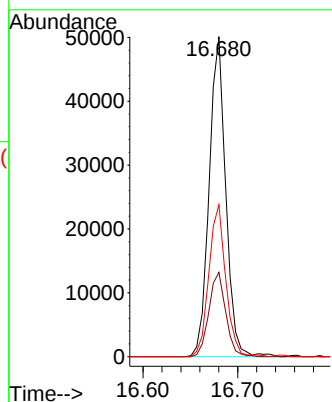
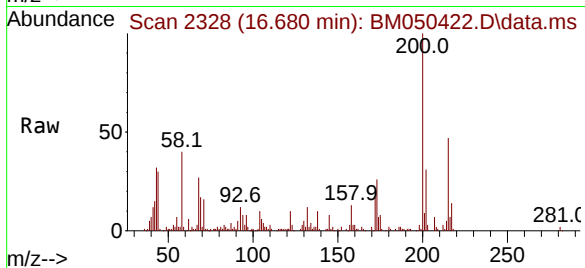
Tgt Ion:200 Resp: 61011

Ion Ratio Lower Upper

200 100

173 26.4 5.6 45.6

215 47.5 29.6 69.6



#70

Pentachlorophenol

Concen: 2.650 ng

RT: 16.868 min Scan# 2360

Delta R.T. -0.006 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

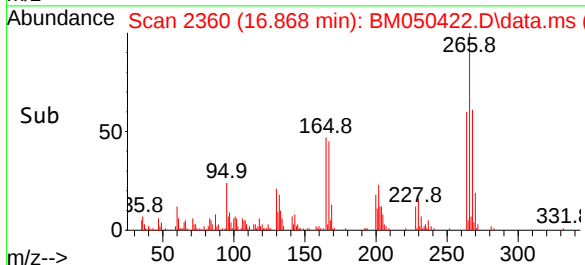
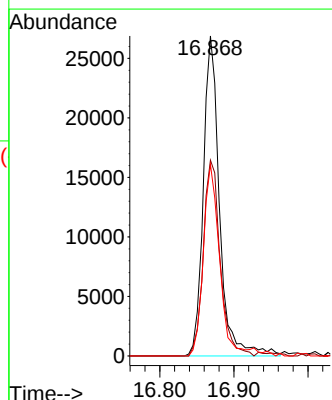
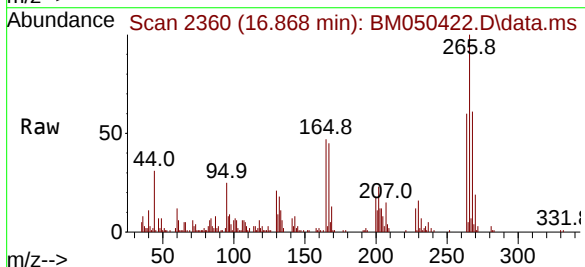
Tgt Ion:266 Resp: 41123

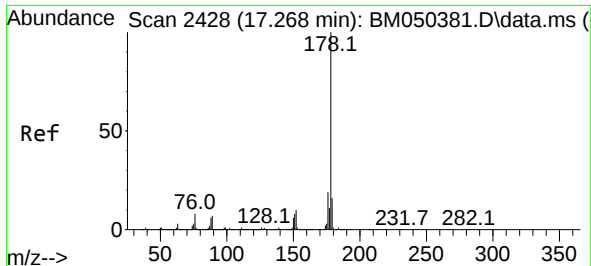
Ion Ratio Lower Upper

266 100

268 61.2 50.5 75.7

264 59.8 49.9 74.9

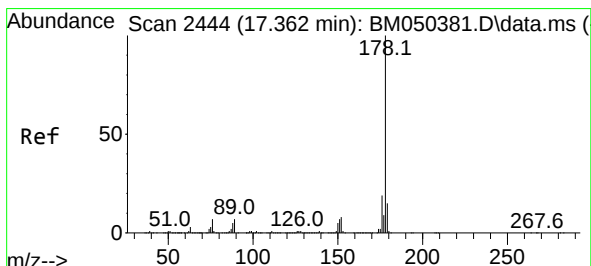
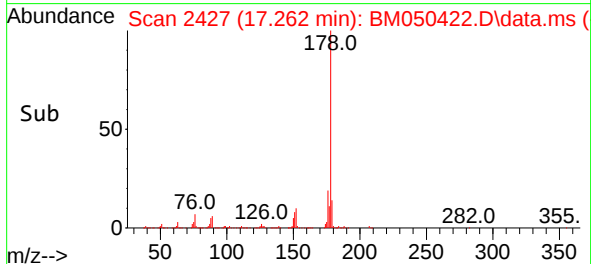
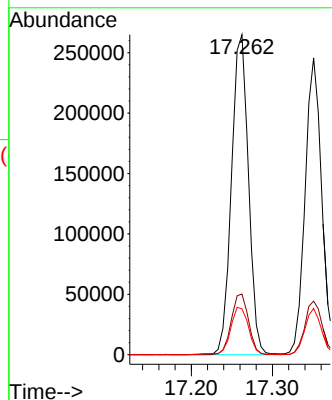
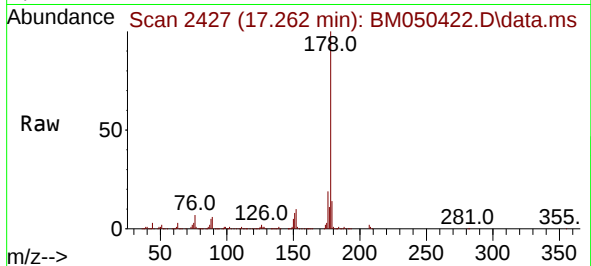




#71
Phenanthrene
Concen: 3.548 ng
RT: 17.262 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

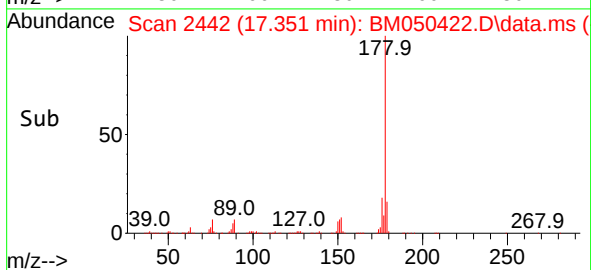
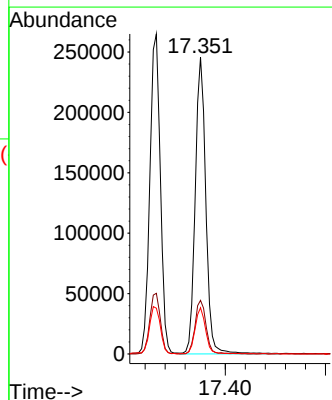
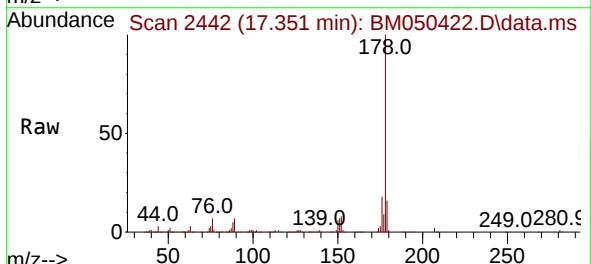
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

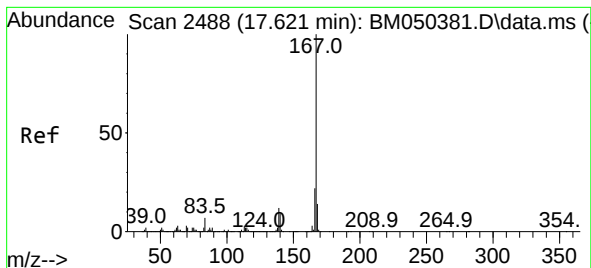
Tgt Ion:178 Resp: 384652
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 14.3 12.5 18.7



#72
Anthracene
Concen: 3.319 ng
RT: 17.351 min Scan# 2442
Delta R.T. -0.012 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion:178 Resp: 358172
Ion Ratio Lower Upper
178 100
176 18.0 14.9 22.3
179 15.6 12.2 18.4





#73

Carbazole

Concen: 3.361 ng

RT: 17.615 min Scan# 2488

Delta R.T. -0.006 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

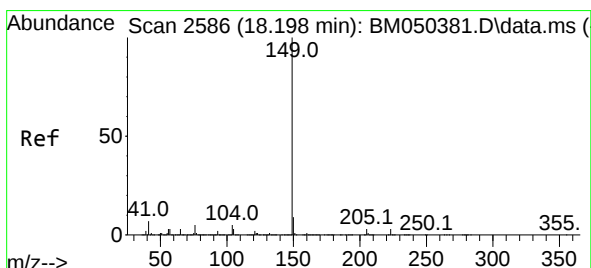
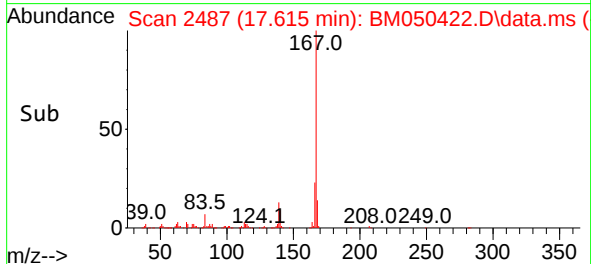
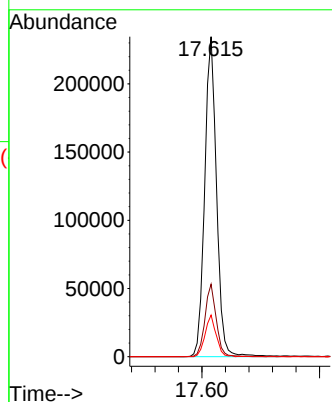
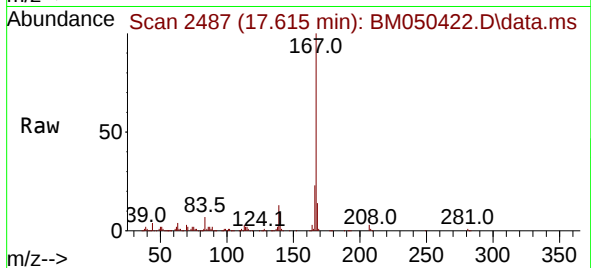
Tgt Ion:167 Resp: 328138

Ion Ratio Lower Upper

167 100

166 22.6 17.2 25.8

139 13.0 9.9 14.9



#74

Di-n-butylphthalate

Concen: 2.919 ng

RT: 18.186 min Scan# 2584

Delta R.T. -0.012 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

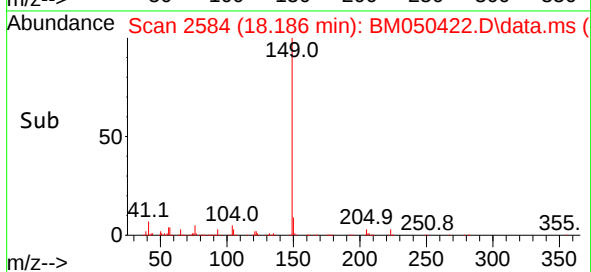
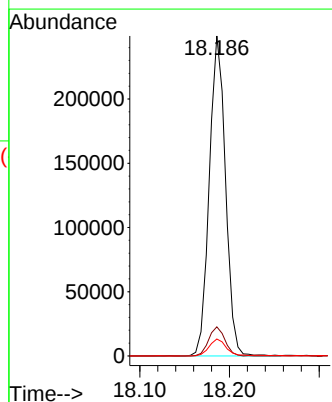
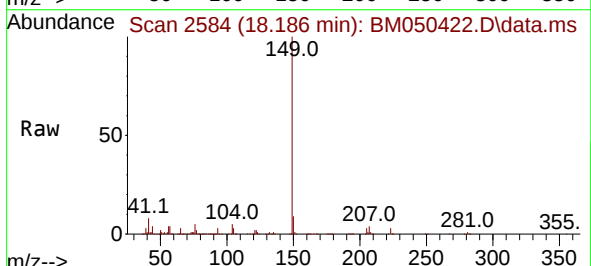
Tgt Ion:149 Resp: 311928

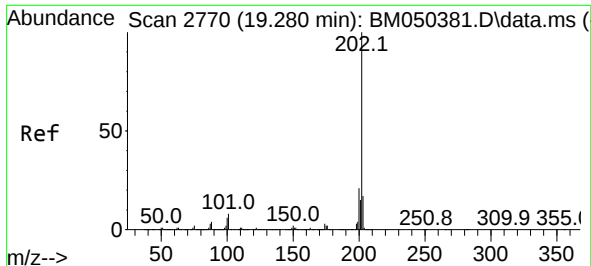
Ion Ratio Lower Upper

149 100

150 9.1 7.3 10.9

104 5.3 3.9 5.9

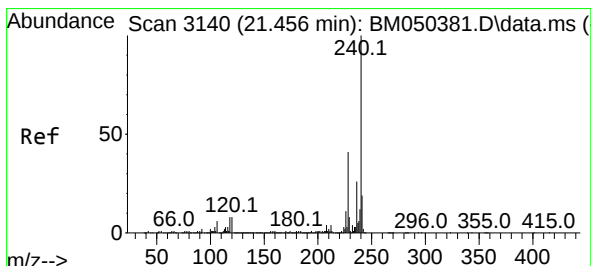
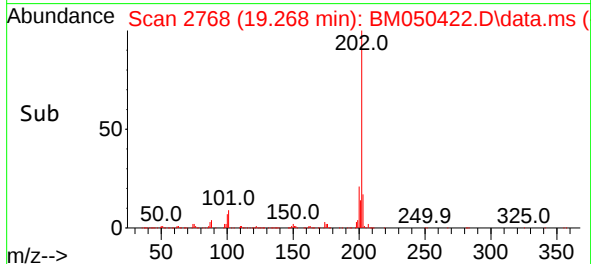
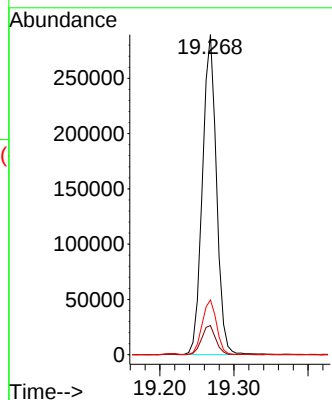
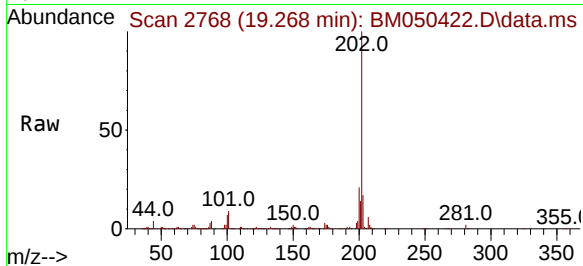




#75
Fluoranthene
Concen: 3.226 ng
RT: 19.268 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

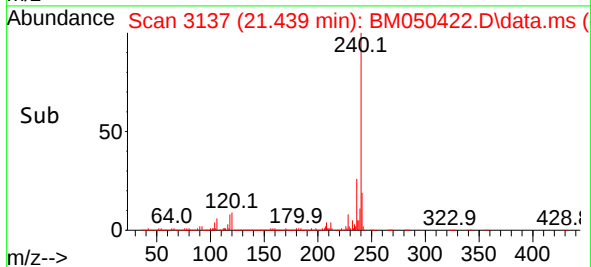
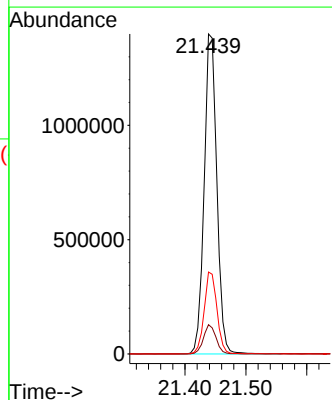
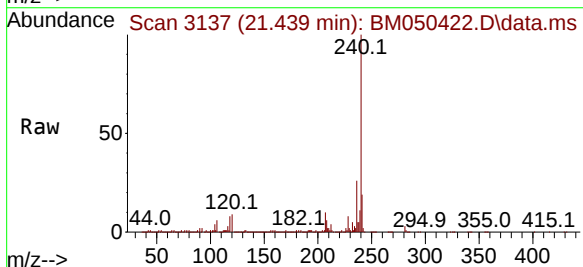
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

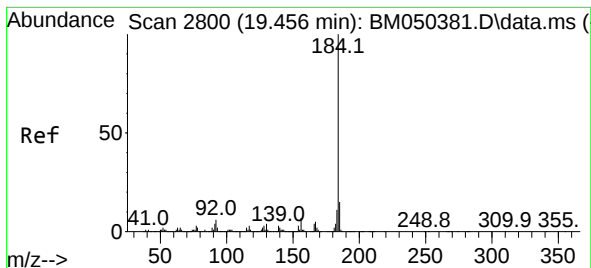
Tgt Ion:202 Resp: 380150
Ion Ratio Lower Upper
202 100
101 9.1 0.0 28.3
203 17.1 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.018 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion:240 Resp: 2029636
Ion Ratio Lower Upper
240 100
120 9.2 6.7 10.1
236 25.6 20.7 31.1





#77

Benzidine

Concen: 2.665 ng

RT: 19.445 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

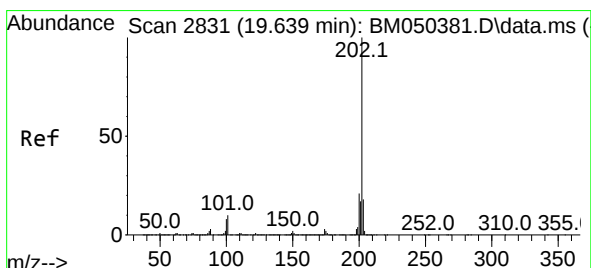
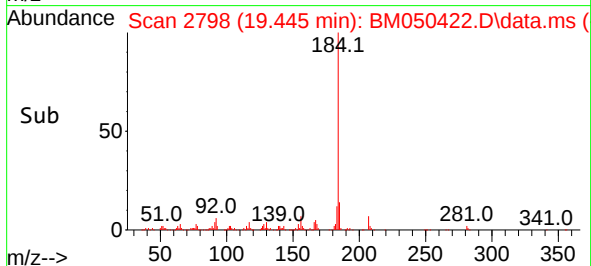
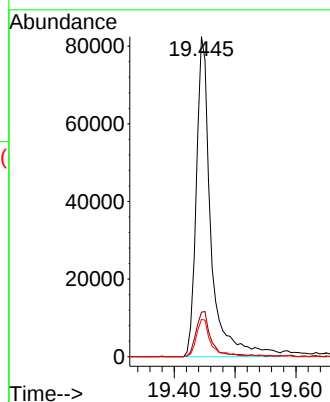
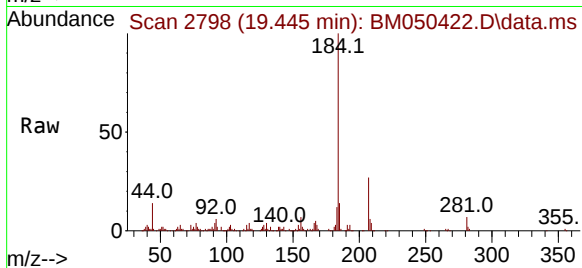
Tgt Ion:184 Resp: 137986

Ion Ratio Lower Upper

184 100

185 13.9 11.7 17.5

183 11.6 9.0 13.6



#78

Pyrene

Concen: 3.161 ng

RT: 19.627 min Scan# 2829

Delta R.T. -0.012 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

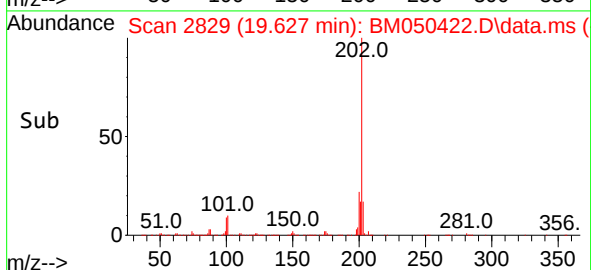
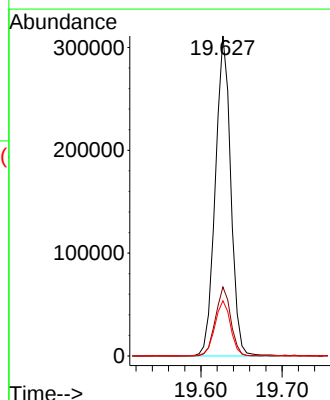
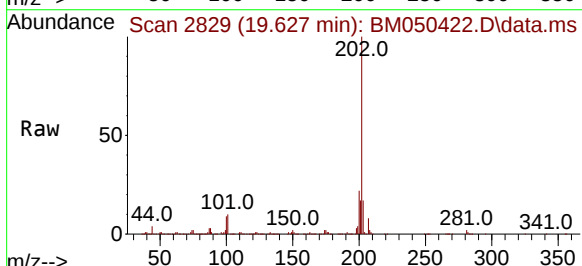
Tgt Ion:202 Resp: 410853

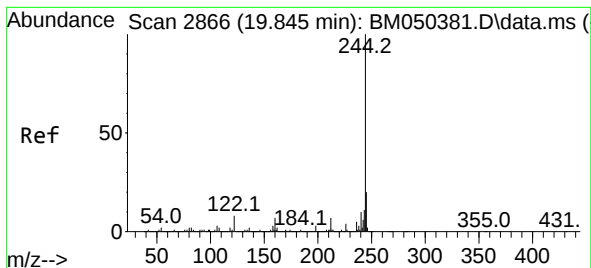
Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

203 17.3 14.1 21.1





#79

Terphenyl-d14

Concen: 88.963 ng

RT: 19.833 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

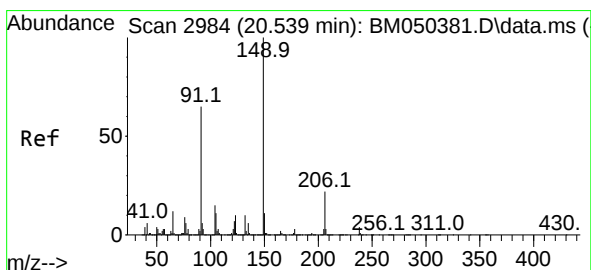
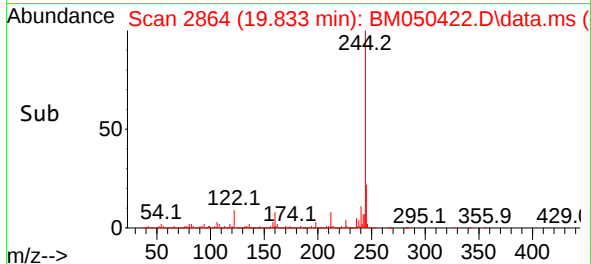
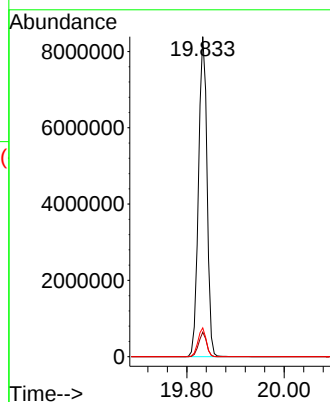
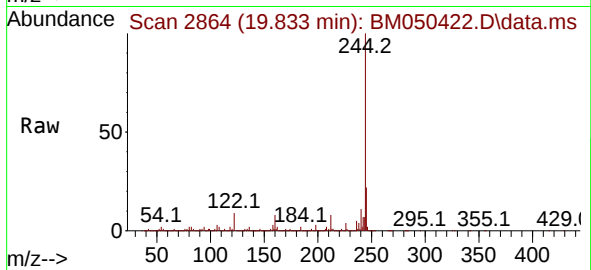
Tgt Ion:244 Resp:10262413

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

122 9.0 6.2 9.2



#80

Butylbenzylphthalate

Concen: 2.891 ng

RT: 20.527 min Scan# 2982

Delta R.T. -0.012 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

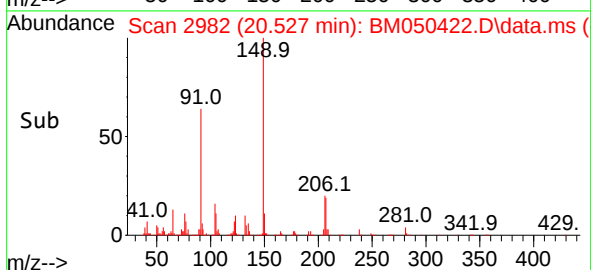
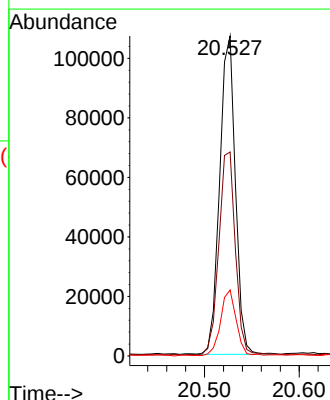
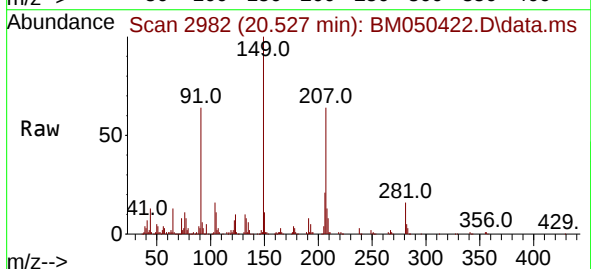
Tgt Ion:149 Resp: 123911

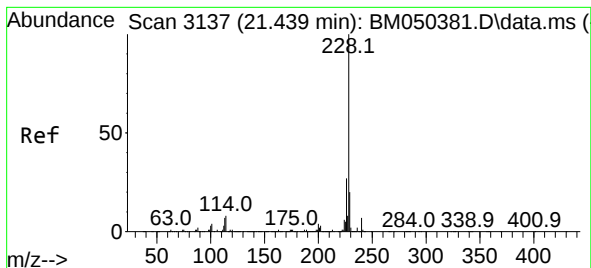
Ion Ratio Lower Upper

149 100

91 63.8 51.6 77.4

206 20.6 17.8 26.8





#81

Benzo(a)anthracene

Concen: 3.364 ng

RT: 21.427 min Scan# 3137

Delta R.T. -0.012 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

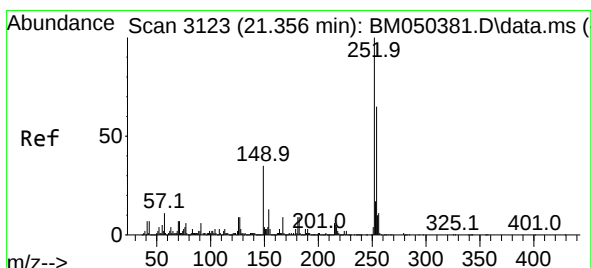
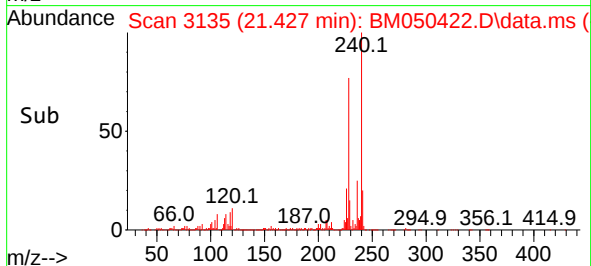
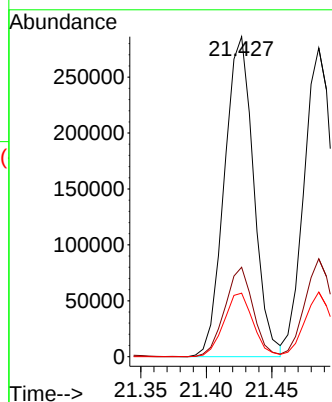
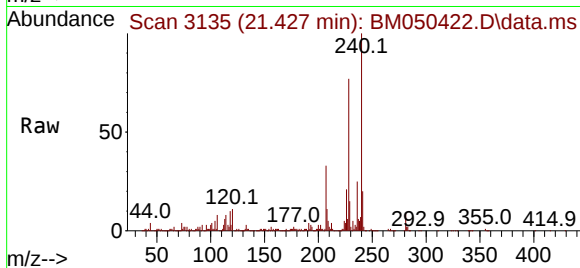
Tgt Ion:228 Resp: 444908

Ion Ratio Lower Upper

228 100

226 27.9 21.8 32.8

229 19.9 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 2.895 ng

RT: 21.345 min Scan# 3121

Delta R.T. -0.012 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

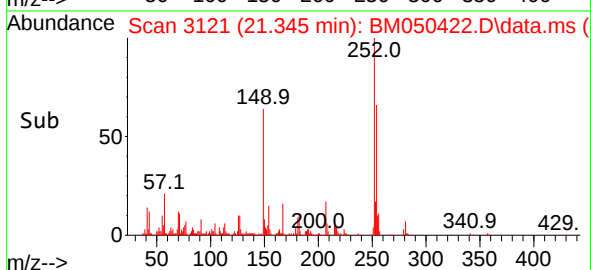
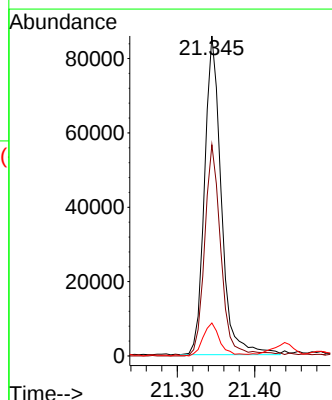
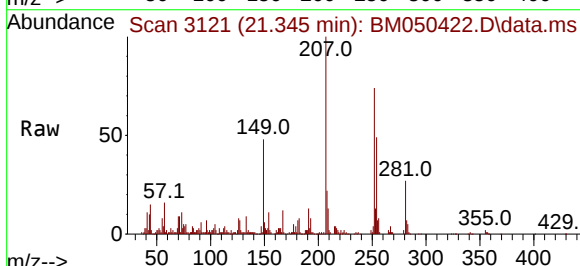
Tgt Ion:252 Resp: 129122

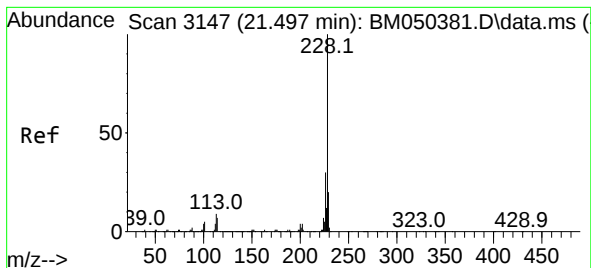
Ion Ratio Lower Upper

252 100

254 66.0 51.7 77.5

126 10.3 7.3 10.9





#83

Chrysene

Concen: 3.420 ng

RT: 21.486 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

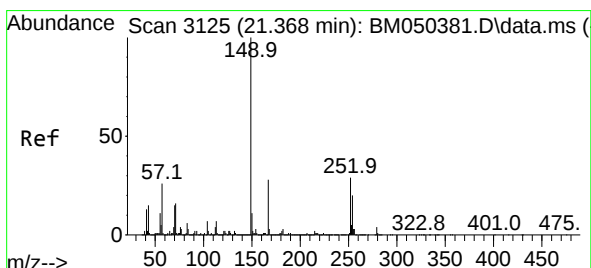
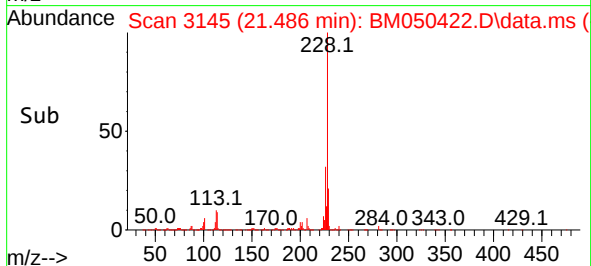
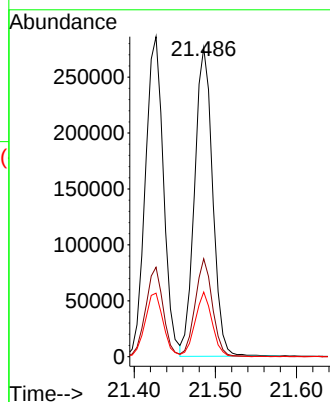
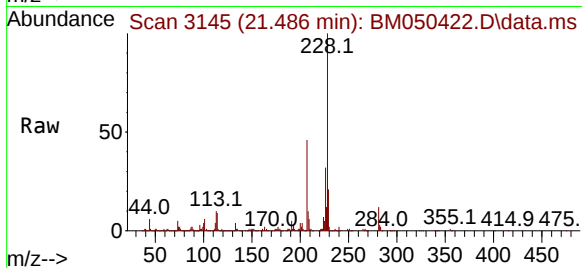
Tgt Ion:228 Resp: 426619

Ion Ratio Lower Upper

228 100

226 31.7 24.2 36.4

229 20.9 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.988 ng

RT: 21.356 min Scan# 3123

Delta R.T. -0.012 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

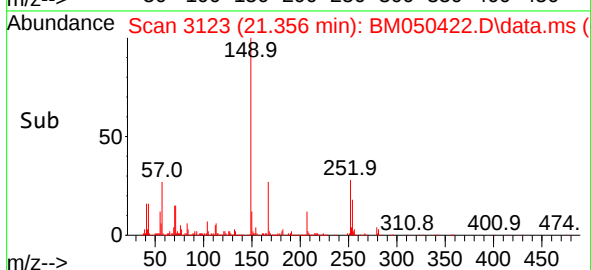
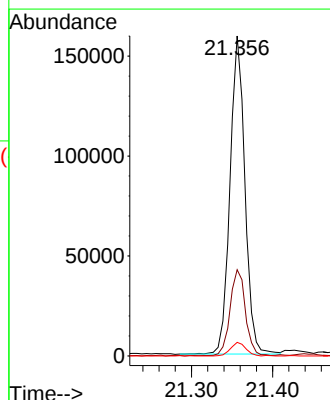
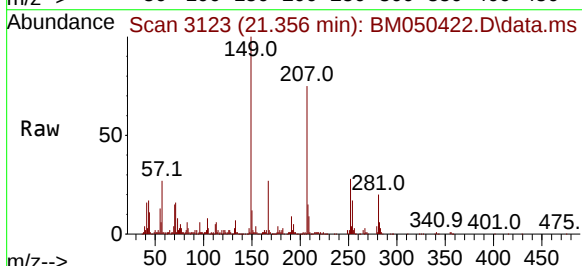
Tgt Ion:149 Resp: 203277

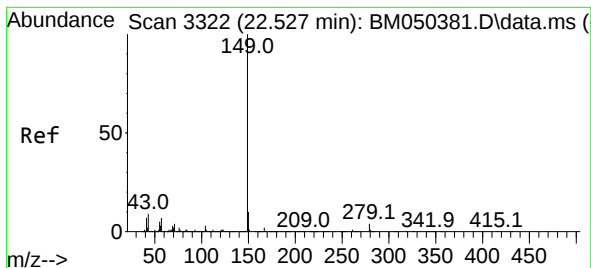
Ion Ratio Lower Upper

149 100

167 26.9 22.7 34.1

279 4.2 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 2.772 ng

RT: 22.503 min Scan# 31

Delta R.T. -0.023 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

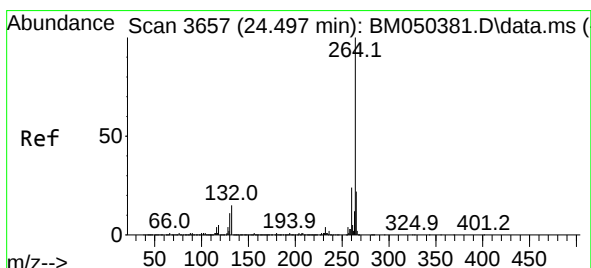
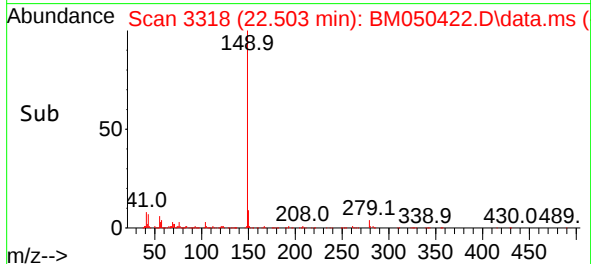
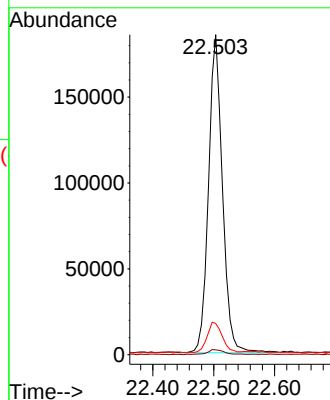
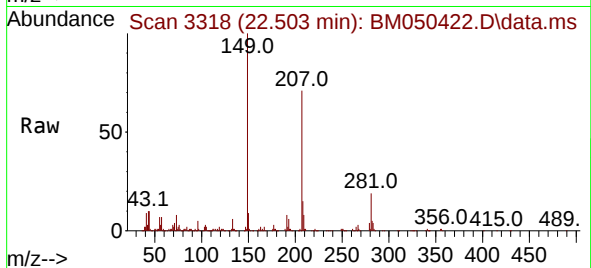
Tgt Ion:149 Resp: 295419

Ion Ratio Lower Upper

149 100

167 2.2 1.3 1.9#

43 10.5 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.474 min Scan# 3653

Delta R.T. -0.023 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

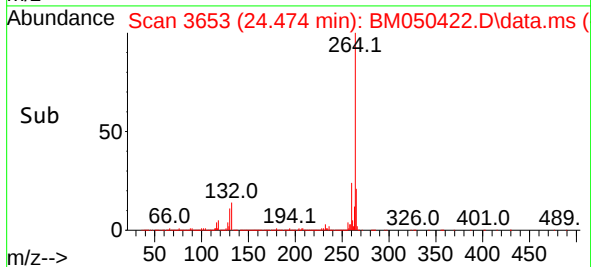
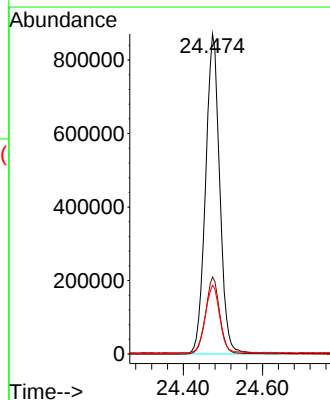
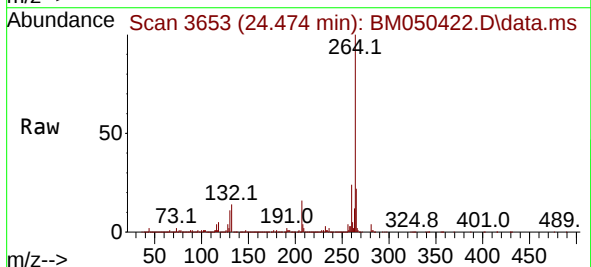
Tgt Ion:264 Resp: 2165638

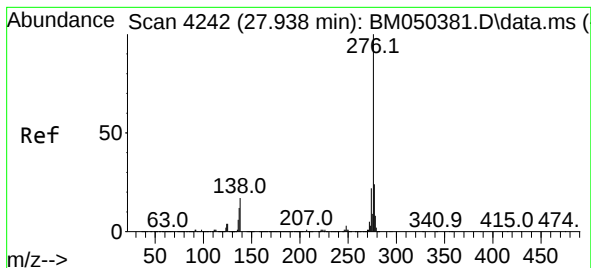
Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.5 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.307 ng

RT: 27.891 min Scan# 41

Delta R.T. -0.047 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

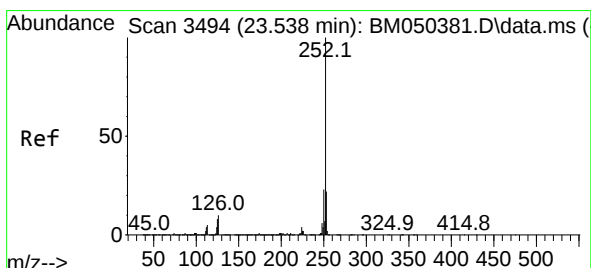
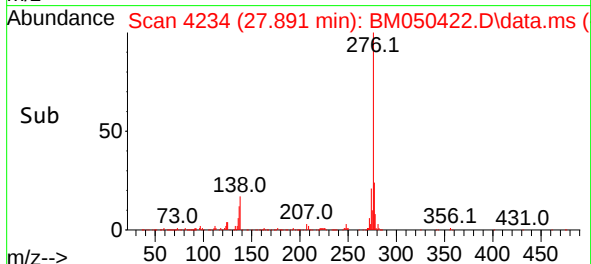
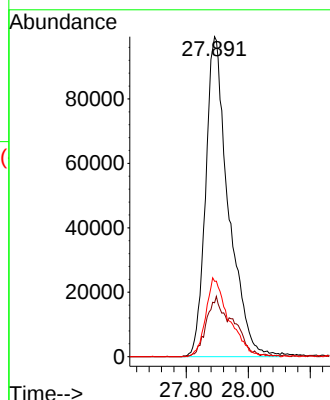
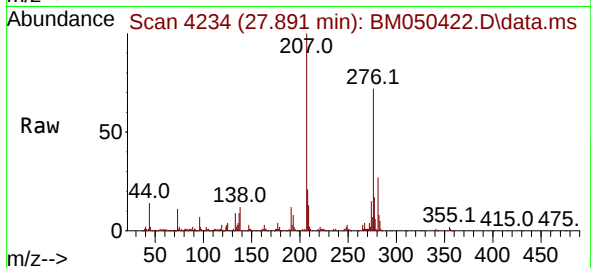
Tgt Ion:276 Resp: 509193

Ion Ratio Lower Upper

276 100

138 14.4 17.0 25.6#

277 25.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 3.151 ng

RT: 23.515 min Scan# 3490

Delta R.T. -0.023 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

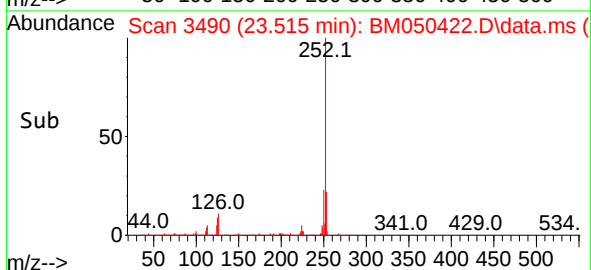
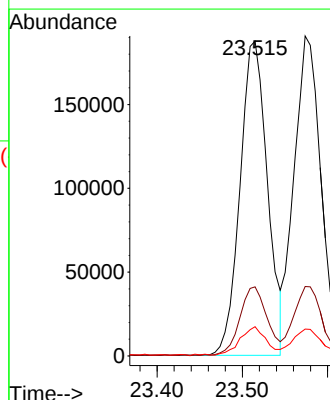
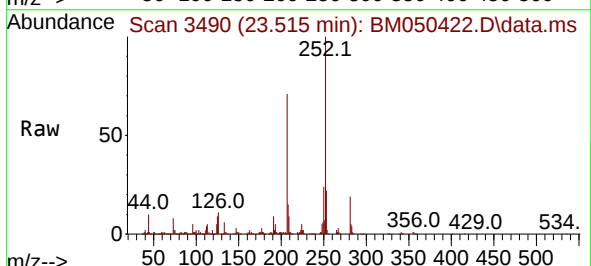
Tgt Ion:252 Resp: 419693

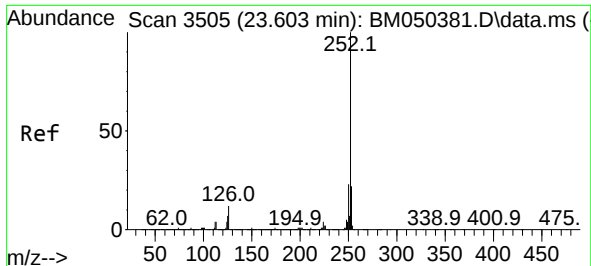
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 9.3 6.3 9.5

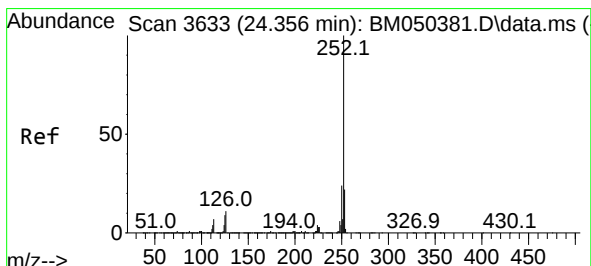
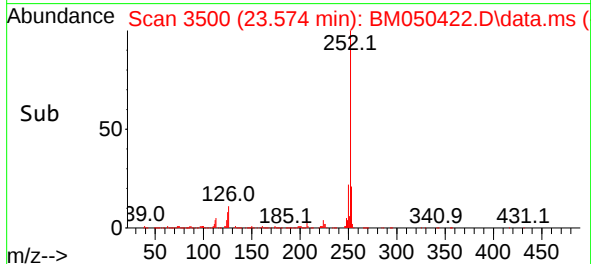
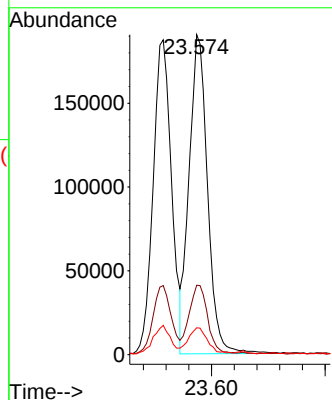
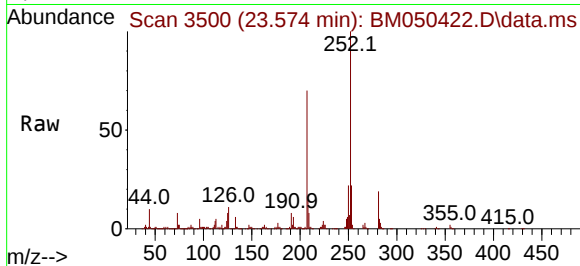




#89
Benzo(k)fluoranthene
Concen: 3.106 ng
RT: 23.574 min Scan# 31
Delta R.T. -0.029 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

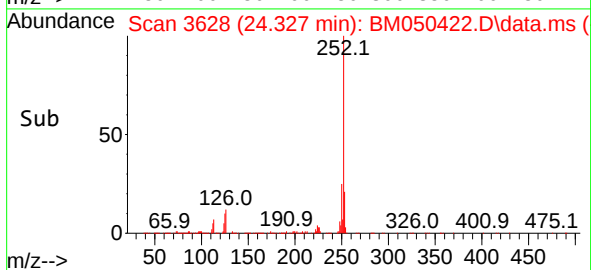
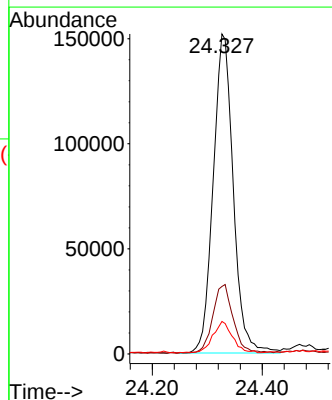
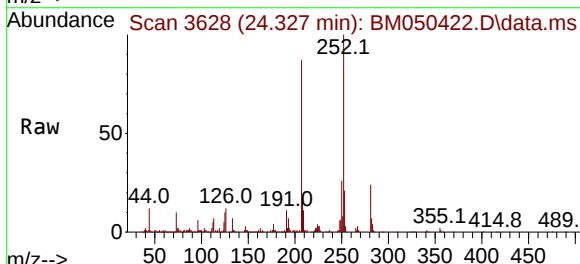
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

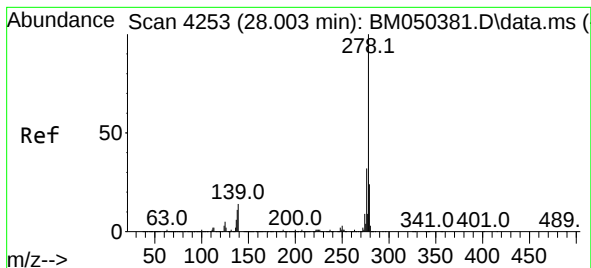
Tgt Ion:252 Resp: 429370
Ion Ratio Lower Upper
252 100
253 21.7 17.6 26.4
125 8.4 6.2 9.2



#90
Benzo(a)pyrene
Concen: 3.078 ng
RT: 24.327 min Scan# 3628
Delta R.T. -0.029 min
Lab File: BM050422.D
Acq: 14 Jul 2025 12:10

Tgt Ion:252 Resp: 383770
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.6
125 10.1 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 3.269 ng

RT: 27.956 min Scan# 4415

Delta R.T. -0.047 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

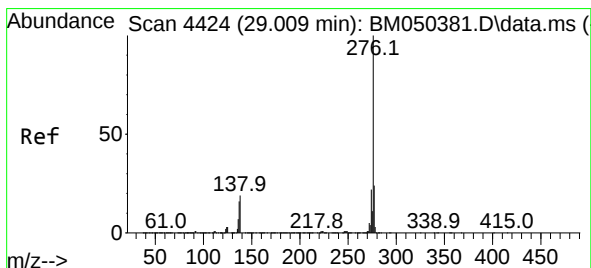
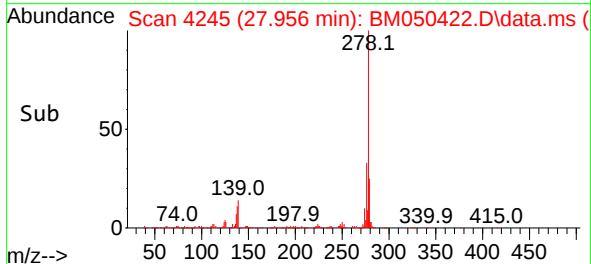
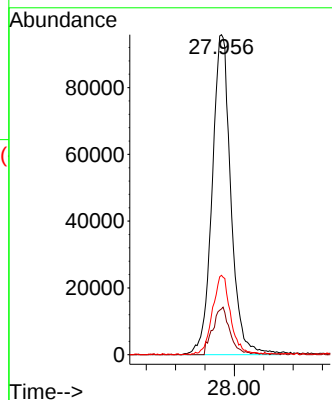
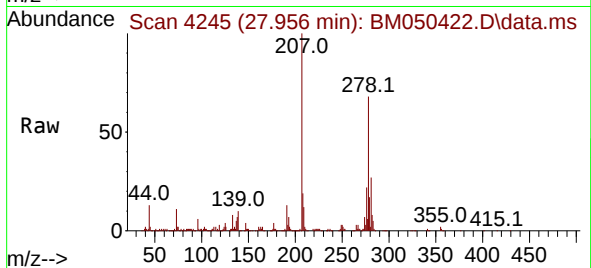
Tgt Ion:278 Resp: 423889

Ion Ratio Lower Upper

278 100

139 14.3 10.8 16.2

279 24.8 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 3.394 ng

RT: 28.956 min Scan# 4415

Delta R.T. -0.053 min

Lab File: BM050422.D

Acq: 14 Jul 2025 12:10

Tgt Ion:276 Resp: 415955

Ion Ratio Lower Upper

276 100

277 23.4 19.1 28.7

138 19.5 14.9 22.3

