

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050423.D
 Acq On : 14 Jul 2025 12:51
 Operator : RC/JU
 Sample : Q2126-03
 Misc : MDL-MDL-SOIL-8 PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 14 13:38:50 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	355437	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1315090	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	838290	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1622704	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1764203	20.000	ng	-0.01
86) Perylene-d12	24.474	264	1832536	20.000	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	2994438	145.015	ng	0.00
7) Phenol-d6	7.022	99	3854616	148.081	ng	0.00
23) Nitrobenzene-d5	9.016	82	2393595	92.858	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1598649	156.956	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	6182070	91.072	ng	0.00
79) Terphenyl-d14	19.833	244	10323244	102.955	ng	-0.01

Target Compounds					Qvalue
2) 1,4-Dioxane	3.340	88	75618	8.906 ng	99
3) Pyridine	3.740	79	186728	8.377 ng	96
4) n-Nitrosodimethylamine	3.646	42	91483	8.803 ng	# 98
6) Aniline	7.186	93	284661	8.521 ng	99
8) 2-Chlorophenol	7.428	128	194532	8.934 ng	97
9) Benzaldehyde	6.998	77	163303m	10.546 ng	
10) Phenol	7.045	94	239986	8.839 ng	94
11) bis(2-Chloroethyl)ether	7.281	93	184582	8.489 ng	100
12) 1,3-Dichlorobenzene	7.757	146	228498	8.631 ng	95
13) 1,4-Dichlorobenzene	7.898	146	231274	8.555 ng	99
14) 1,2-Dichlorobenzene	8.216	146	220483	8.519 ng	98
15) Benzyl Alcohol	8.098	79	152399	8.309 ng	99
16) 2,2'-oxybis(1-Chloropr...	8.386	45	270232	8.438 ng	97
17) 2-Methylphenol	8.298	107	144357	8.198 ng	97
18) Hexachloroethane	8.951	117	78043	8.208 ng	98
19) n-Nitroso-di-n-propyla...	8.663	70	131119	8.315 ng	99
20) 3+4-Methylphenols	8.622	107	189178	8.003 ng	98
22) Acetophenone	8.681	105	284799	8.662 ng	# 98
24) Nitrobenzene	9.057	77	214495	9.325 ng	99
25) Isophorone	9.586	82	346987	8.296 ng	100
26) 2-Nitrophenol	9.769	139	71207	7.596 ng	98
27) 2,4-Dimethylphenol	9.828	122	159601	8.001 ng	96
28) bis(2-Chloroethoxy)met...	10.063	93	232503	8.389 ng	97
29) 2,4-Dichlorophenol	10.298	162	167330	8.165 ng	99
30) 1,2,4-Trichlorobenzene	10.522	180	205460	8.380 ng	99
31) Naphthalene	10.710	128	573822	8.591 ng	98
32) Benzoic acid	9.886	122	63290	10.500 ng	99
33) 4-Chloroaniline	10.810	127	231800	8.208 ng	98
34) Hexachlorobutadiene	11.004	225	122214	8.167 ng	98
35) Caprolactam	11.563	113	41880	7.486 ng	90
36) 4-Chloro-3-methylphenol	11.927	107	150563	7.867 ng	99
37) 2-Methylnaphthalene	12.316	142	351621	8.337 ng	99
38) 1-Methylnaphthalene	12.533	142	371280	8.318 ng	99
40) 1,2,4,5-Tetrachloroben...	12.686	216	217248	8.149 ng	99
41) Hexachlorocyclopentadiene	12.668	237	111217	6.527 ng	98
43) 2,4,6-Trichlorophenol	12.921	196	126692	7.721 ng	94

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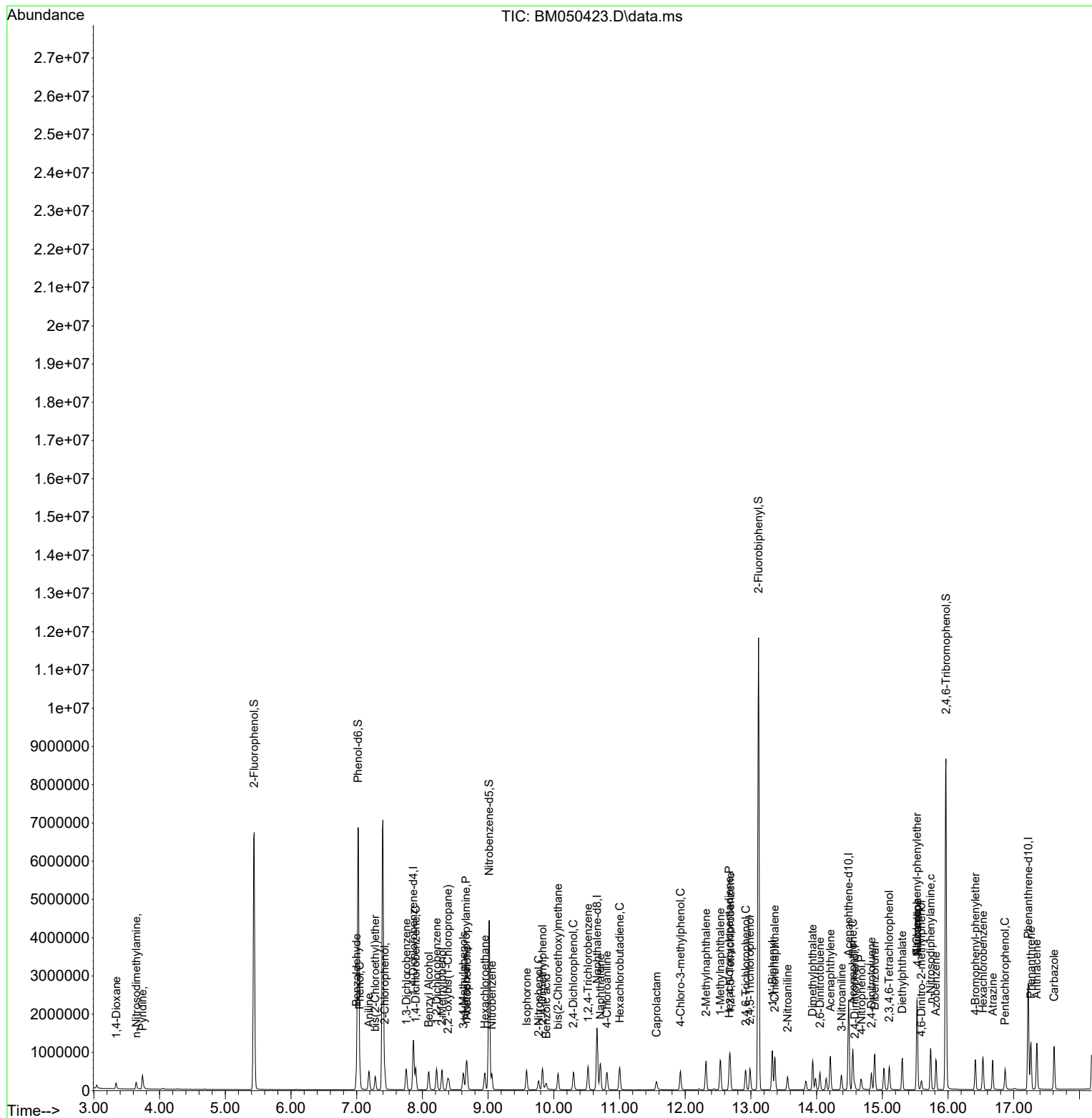
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.986	196	139817	7.802	ng	97
46) 1,1'-Biphenyl	13.327	154	539784	8.679	ng	99
47) 2-Chloronaphthalene	13.363	162	424966	8.570	ng	99
48) 2-Nitroaniline	13.557	65	82092	7.417	ng	99
49) Acenaphthylene	14.210	152	623574	8.321	ng	99
50) Dimethylphthalate	13.939	163	490607	8.501	ng	100
51) 2,6-Dinitrotoluene	14.051	165	86117	7.771	ng	87
52) Acenaphthene	14.551	154	397670	8.346	ng	97
53) 3-Nitroaniline	14.380	138	87901	7.459	ng	# 95
54) 2,4-Dinitrophenol	14.580	184	29019	10.773	ng	# 92
55) Dibenzofuran	14.886	168	634105	8.638	ng	99
56) 4-Nitrophenol	14.680	139	71657	7.071	ng	97
57) 2,4-Dinitrotoluene	14.833	165	108716	8.906	ng	91
58) Fluorene	15.527	166	500178	8.272	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.104	232	119732	7.937	ng	96
60) Diethylphthalate	15.304	149	455475	8.262	ng	98
61) 4-Chlorophenyl-phenyle...	15.527	204	251701	7.961	ng	96
62) 4-Nitroaniline	15.533	138	86054	8.596	ng	84
63) Azobenzene	15.815	77	410740	8.114	ng	96
65) 4,6-Dinitro-2-methylph...	15.592	198	46050	10.887	ng	96
66) n-Nitrosodiphenylamine	15.733	169	415654	8.186	ng	96
67) 4-Bromophenyl-phenylether	16.415	248	139086	7.780	ng	90
68) Hexachlorobenzene	16.533	284	173149	8.200	ng	98
69) Atrazine	16.680	200	133271	7.993	ng	98
70) Pentachlorophenol	16.868	266	93841	7.139	ng	97
71) Phenanthrene	17.262	178	774628	8.436	ng	99
72) Anthracene	17.351	178	746468	8.167	ng	100
73) Carbazole	17.615	167	697084	8.429	ng	99
74) Di-n-butylphthalate	18.186	149	693632	7.663	ng	99
75) Fluoranthene	19.268	202	808369	8.098	ng	99
77) Benzidine	19.445	184	365271	8.117	ng	99
78) Pyrene	19.627	202	874716	7.742	ng	99
80) Butylbenzylphthalate	20.527	149	283678	7.614	ng	99
81) Benzo(a)anthracene	21.427	228	932515	8.112	ng	98
82) 3,3'-Dichlorobenzidine	21.344	252	285286	7.359	ng	99
83) Chrysene	21.486	228	889573	8.205	ng	99
84) Bis(2-ethylhexyl)phtha...	21.356	149	464190	7.849	ng	99
85) Di-n-octyl phthalate	22.503	149	703104	7.590	ng	98
87) Indeno(1,2,3-cd)pyrene	27.897	276	1059265	8.130	ng	99
88) Benzo(b)fluoranthene	23.515	252	876928	7.780	ng	100
89) Benzo(k)fluoranthene	23.580	252	915657	7.829	ng	98
90) Benzo(a)pyrene	24.327	252	818163	7.754	ng	99
91) Dibenzo(a,h)anthracene	27.962	278	888785	8.100	ng	99
92) Benzo(g,h,i)perylene	28.956	276	859446	8.287	ng	99

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

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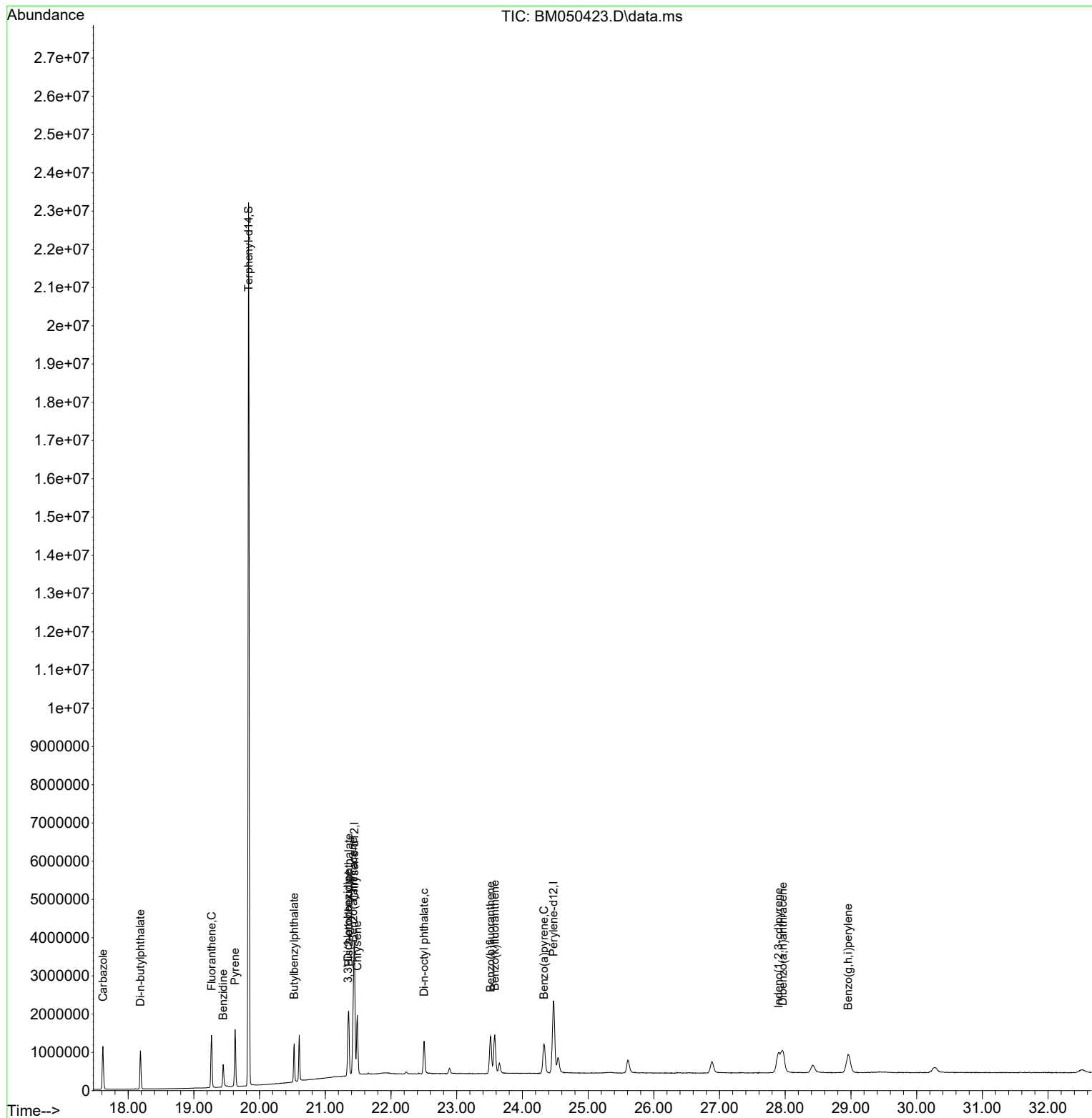
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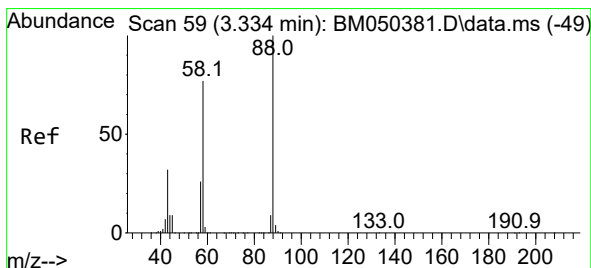
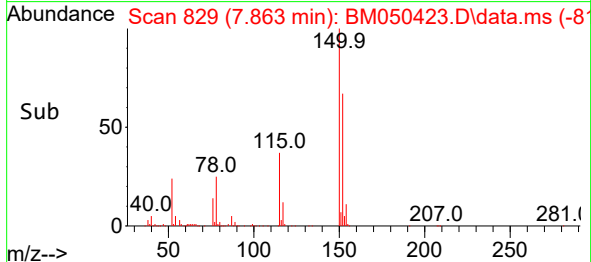
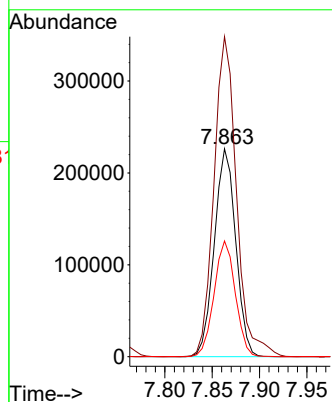
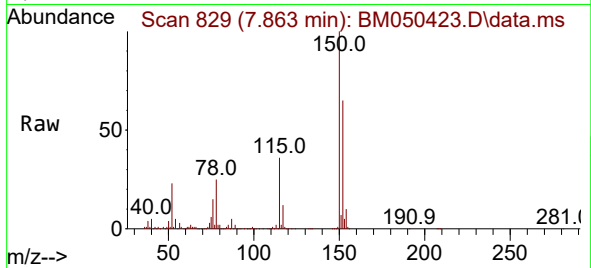




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050423.D
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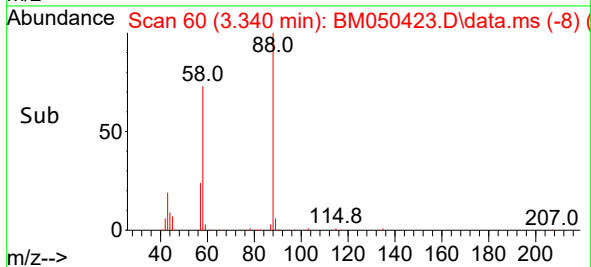
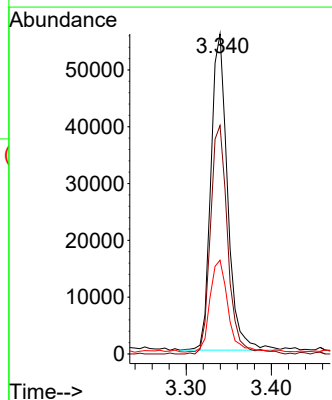
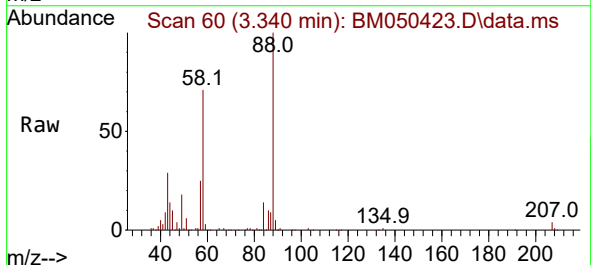
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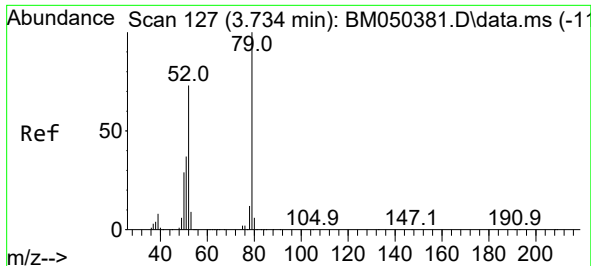
Tgt Ion:152 Resp: 355437
Ion Ratio Lower Upper
152 100
150 153.9 126.2 189.4
115 55.7 45.8 68.8



#2
1,4-Dioxane
Concen: 8.906 ng
RT: 3.340 min Scan# 60
Delta R.T. 0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion: 88 Resp: 75618
Ion Ratio Lower Upper
88 100
58 74.9 61.0 91.6
43 31.4 24.6 37.0

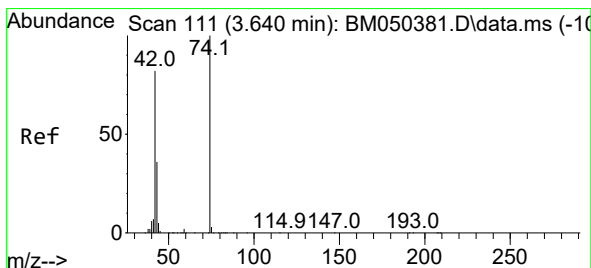
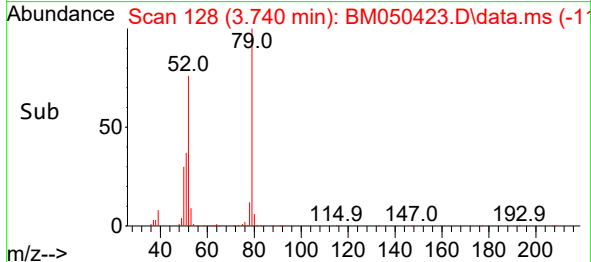
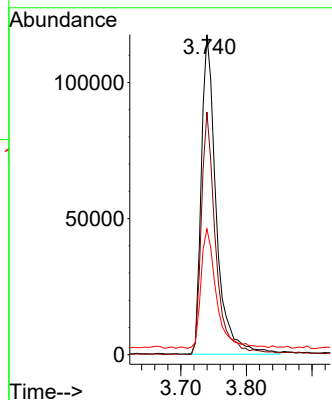
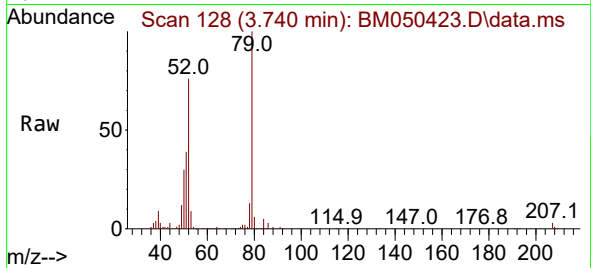




#3
Pyridine
Concen: 8.377 ng
RT: 3.740 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

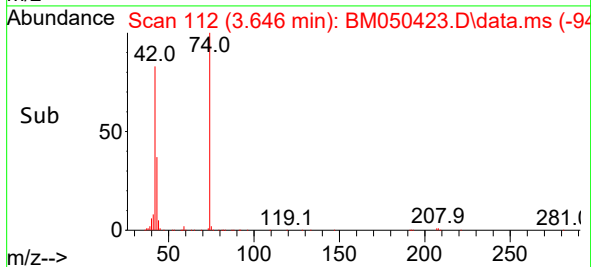
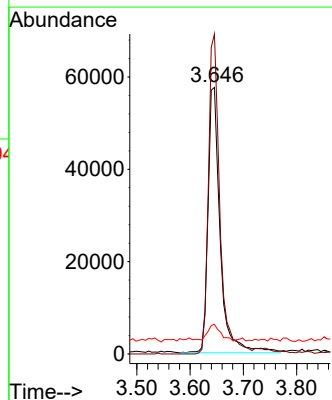
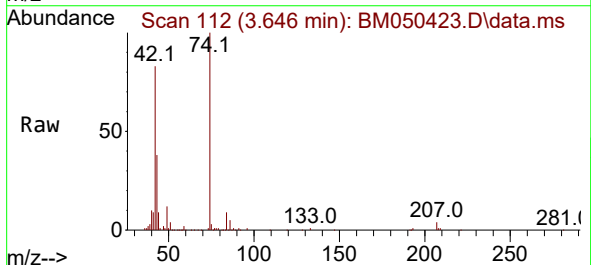
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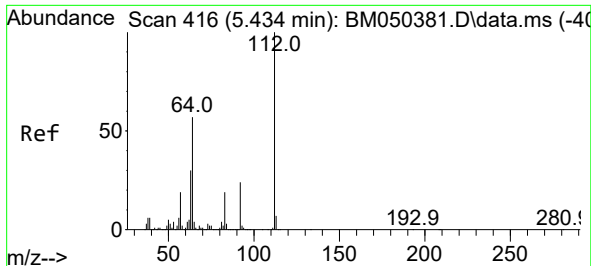
Tgt Ion: 79 Resp: 186728
Ion Ratio Lower Upper
79 100
52 75.8 58.3 87.5
51 39.3 29.6 44.4



#4
n-Nitrosodimethylamine
Concen: 8.803 ng
RT: 3.646 min Scan# 112
Delta R.T. 0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion: 42 Resp: 91483
Ion Ratio Lower Upper
42 100
74 120.0 97.5 146.3
44 11.1 5.7 8.5#

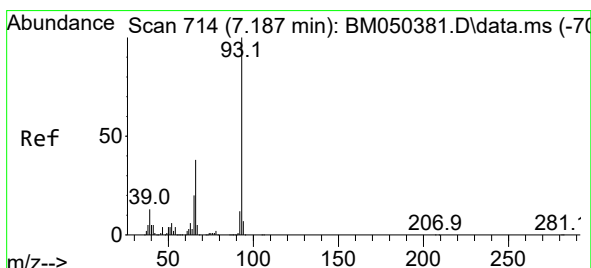
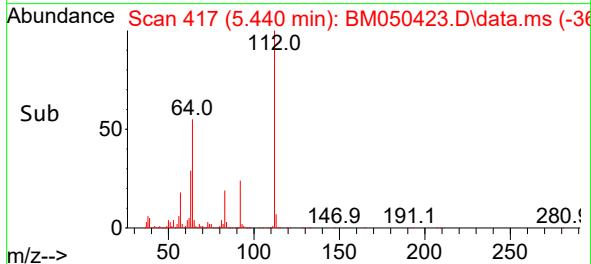
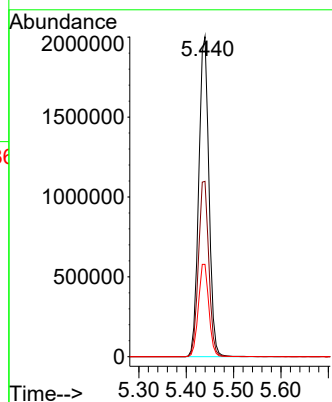
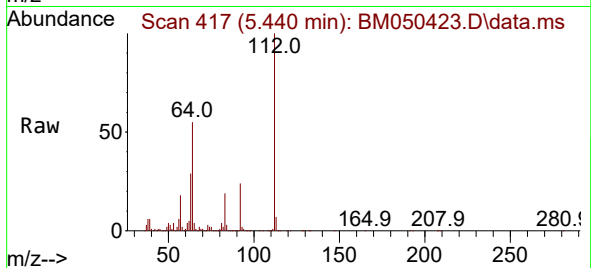




#5
2-Fluorophenol
Concen: 145.015 ng
RT: 5.440 min Scan# 416
Delta R.T. 0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

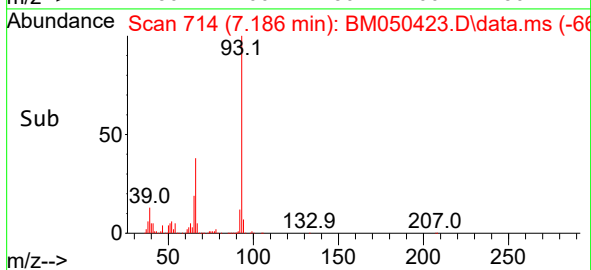
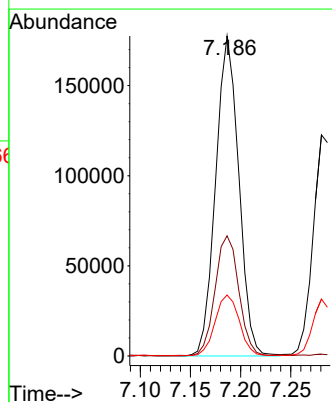
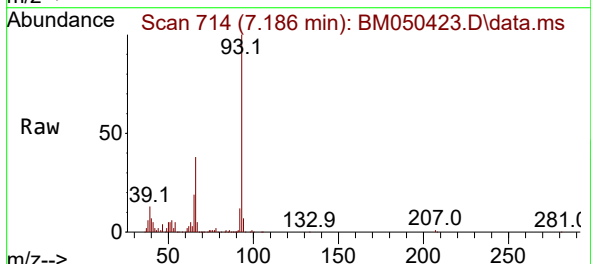
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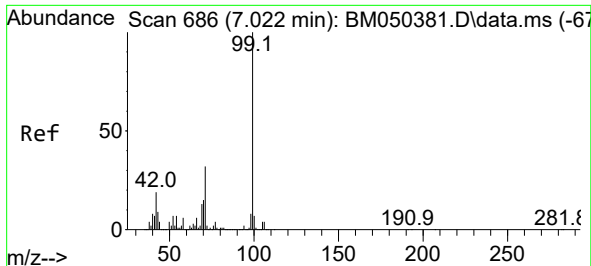
Tgt Ion:112 Resp: 2994438
Ion Ratio Lower Upper
112 100
64 54.8 45.5 68.3
63 28.9 24.2 36.4



#6
Aniline
Concen: 8.521 ng
RT: 7.186 min Scan# 714
Delta R.T. -0.000 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion: 93 Resp: 284661
Ion Ratio Lower Upper
93 100
66 37.6 30.5 45.7
65 19.0 15.9 23.9

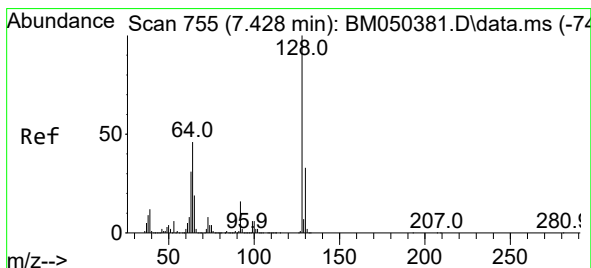
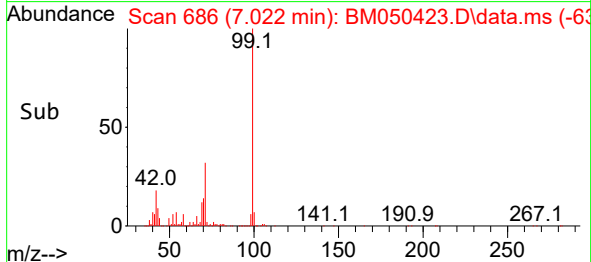
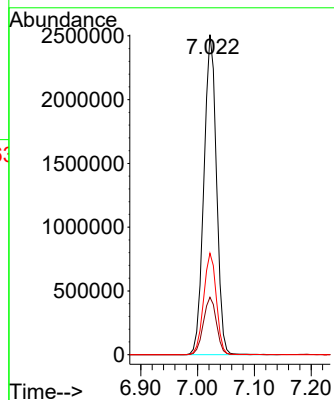
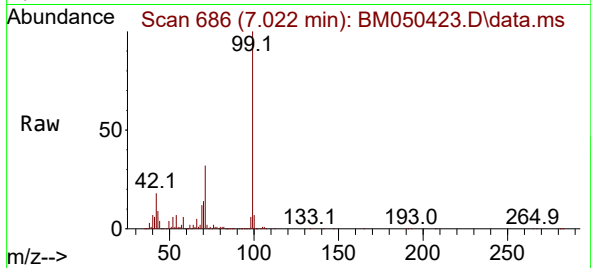




#7
Phenol-d6
Concen: 148.081 ng
RT: 7.022 min Scan# 686
Delta R.T. -0.000 min
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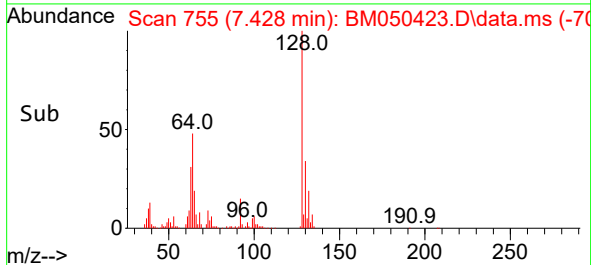
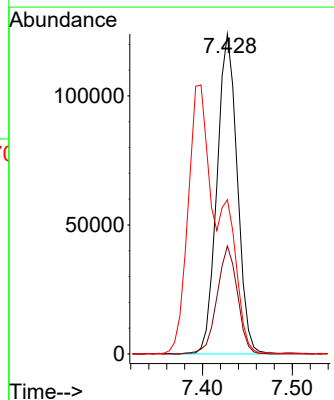
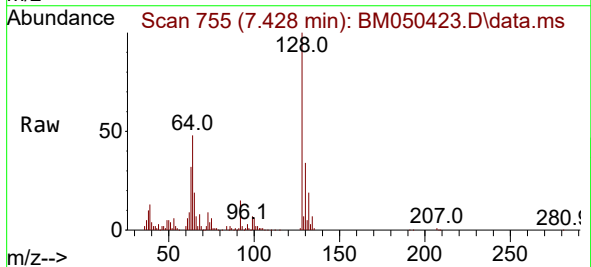
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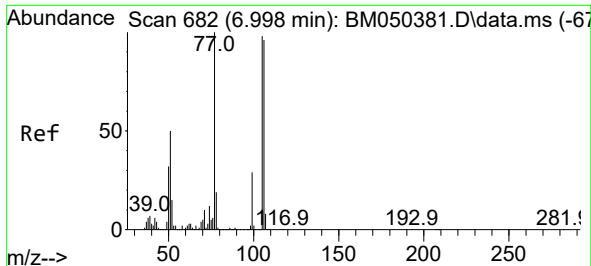
Tgt Ion: 99 Resp: 3854616
Ion Ratio Lower Upper
99 100
42 17.9 15.0 22.6
71 31.7 25.9 38.9



#8
2-Chlorophenol
Concen: 8.934 ng
RT: 7.428 min Scan# 755
Delta R.T. -0.000 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion: 128 Resp: 194532
Ion Ratio Lower Upper
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130 33.7 13.3 53.3
64 48.2 25.6 65.6

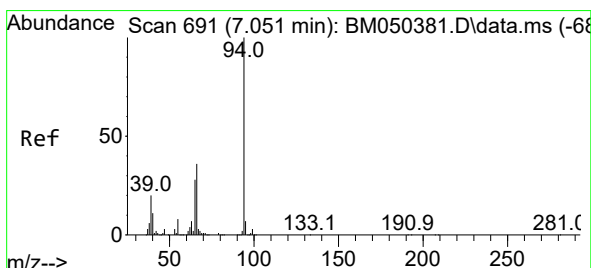
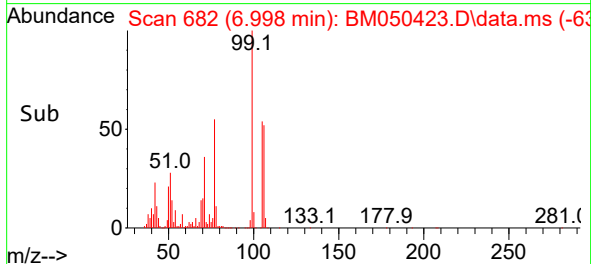
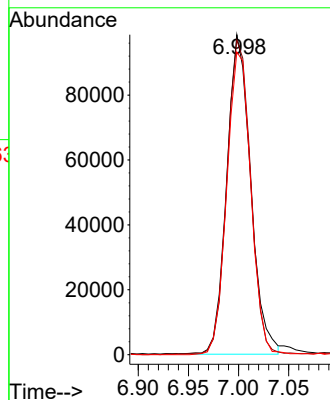
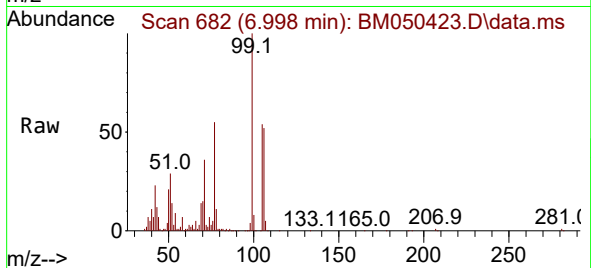




#9
Benzaldehyde
Concen: 10.546 ng m
RT: 6.998 min Scan# 61
Delta R.T. 0.000 min
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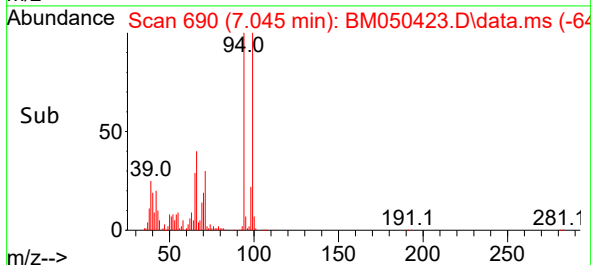
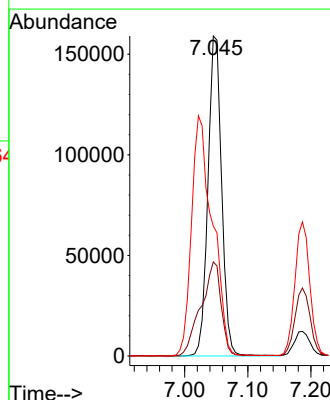
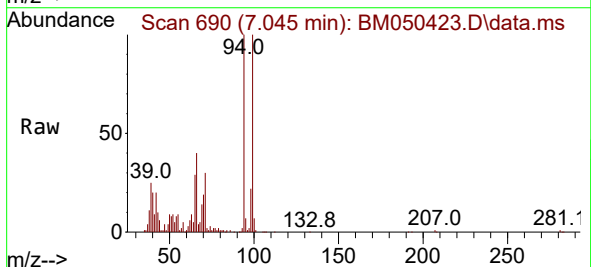
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

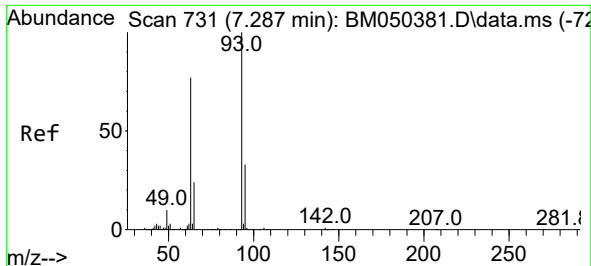
Tgt Ion: 77 Resp: 163303
Ion Ratio Lower Upper
77 100
105 98.3 78.4 118.4
106 94.6 76.3 116.3



#10
Phenol
Concen: 8.839 ng
RT: 7.045 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion: 94 Resp: 239986
Ion Ratio Lower Upper
94 100
65 29.4 8.1 48.1
66 40.6 15.8 55.8

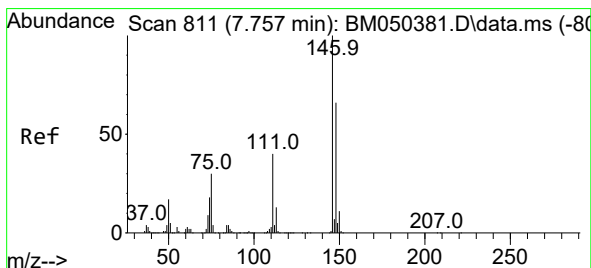
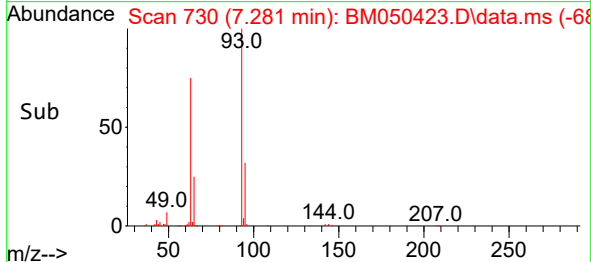
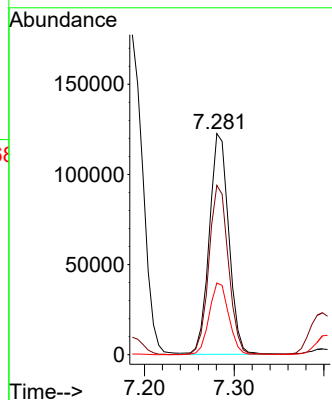
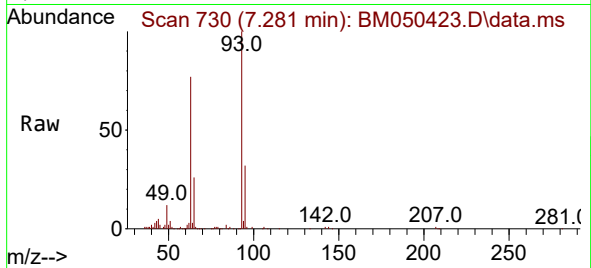




#11
bis(2-Chloroethyl)ether
Concen: 8.489 ng
RT: 7.281 min Scan# 731
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

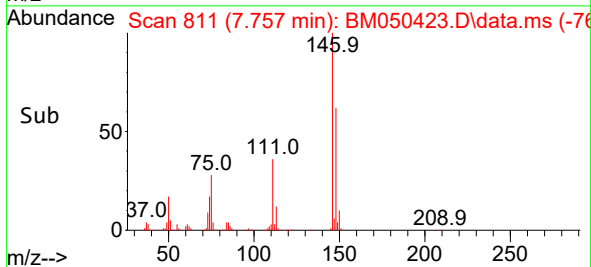
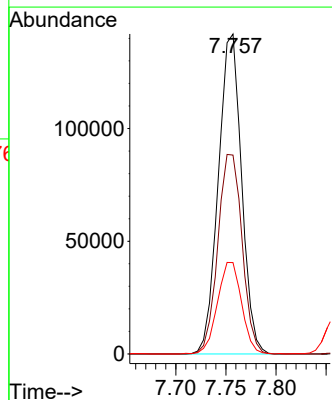
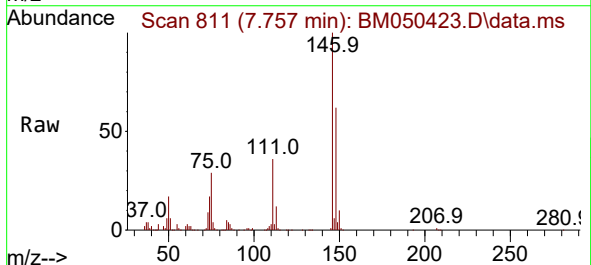
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

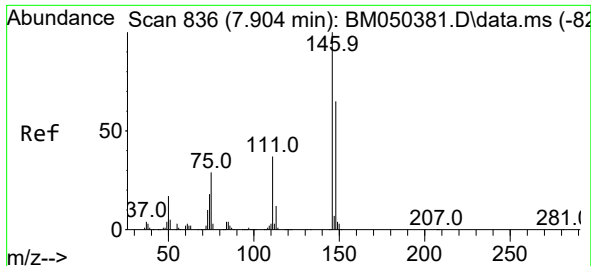
Tgt Ion: 93 Resp: 184582
Ion Ratio Lower Upper
93 100
63 76.6 56.9 96.9
95 32.4 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 8.631 ng
RT: 7.757 min Scan# 811
Delta R.T. -0.000 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion:146 Resp: 228498
Ion Ratio Lower Upper
146 100
148 62.2 53.2 79.8
75 28.6 23.9 35.9

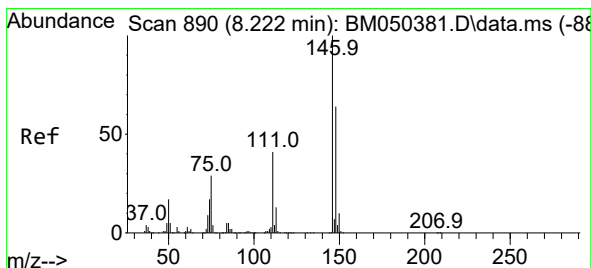
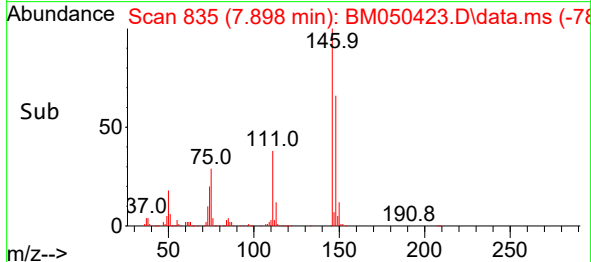
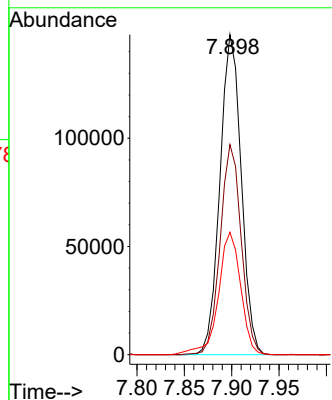
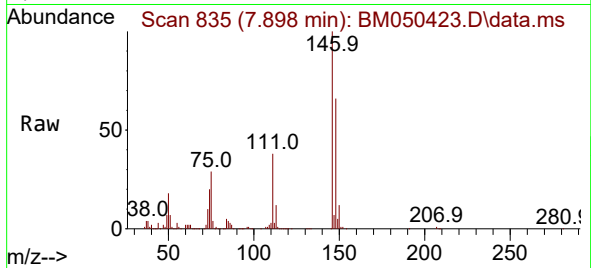




#13
1,4-Dichlorobenzene
Concen: 8.555 ng
RT: 7.898 min Scan# 811
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

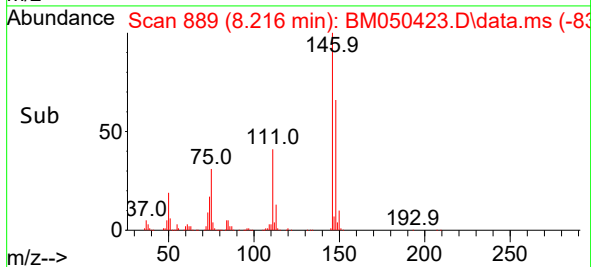
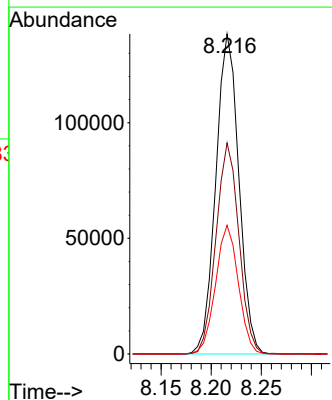
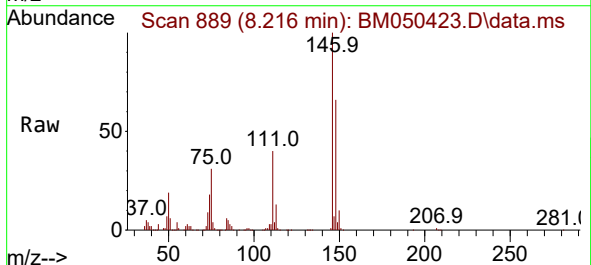
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

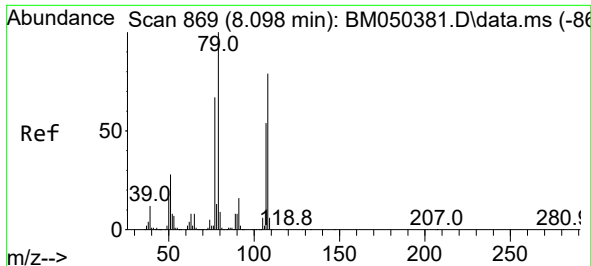
Tgt Ion:146 Resp: 231274
Ion Ratio Lower Upper
146 100
148 65.6 51.9 77.9
111 38.3 30.0 45.0



#14
1,2-Dichlorobenzene
Concen: 8.519 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion:146 Resp: 220483
Ion Ratio Lower Upper
146 100
148 66.0 51.5 77.3
111 40.2 32.6 49.0

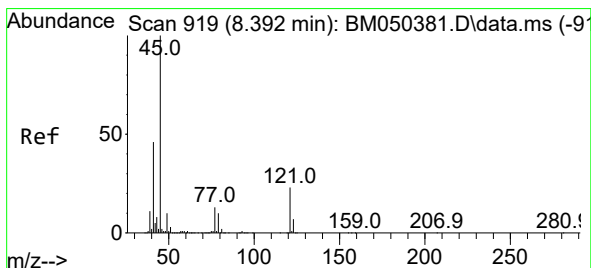
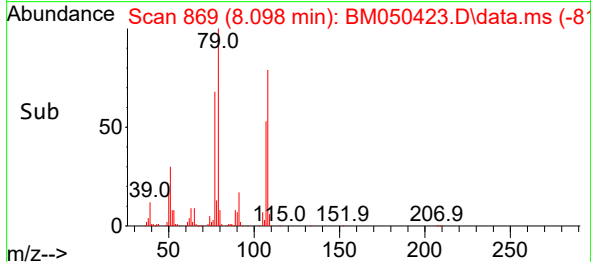
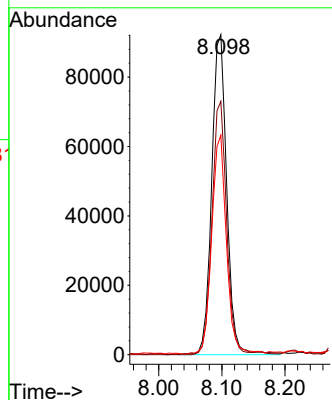
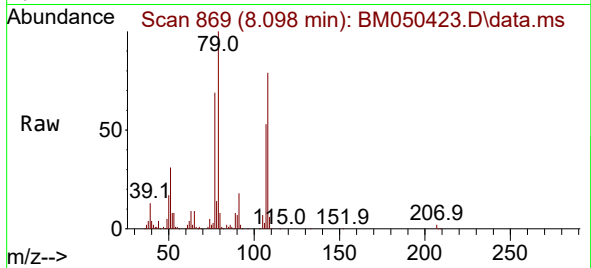




#15
Benzyl Alcohol
Concen: 8.309 ng
RT: 8.098 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

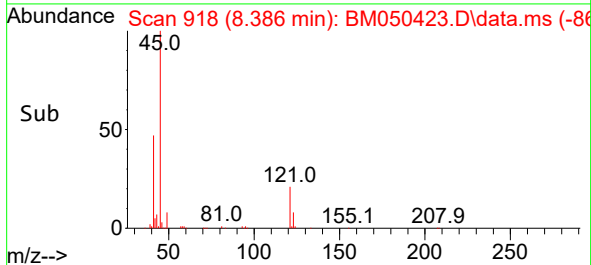
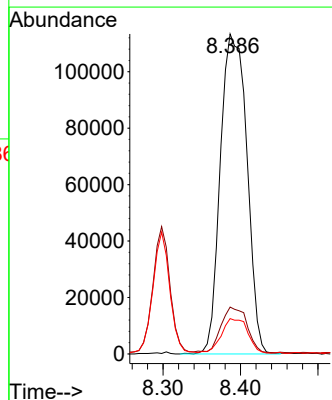
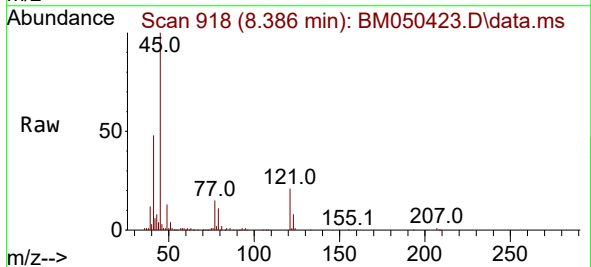
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

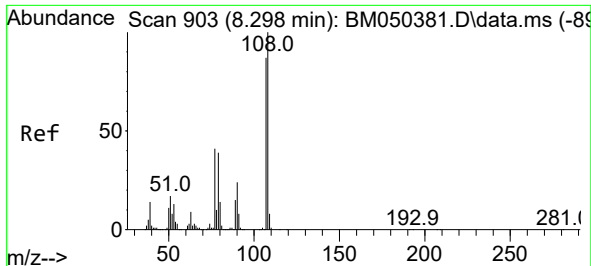
Tgt Ion: 79 Resp: 152399
Ion Ratio Lower Upper
79 100
108 79.1 63.0 94.4
77 68.5 53.4 80.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.438 ng
RT: 8.386 min Scan# 918
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion: 45 Resp: 270232
Ion Ratio Lower Upper
45 100
77 14.7 0.0 33.5
79 11.1 0.0 30.3

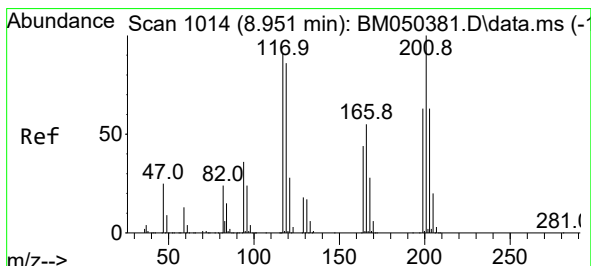
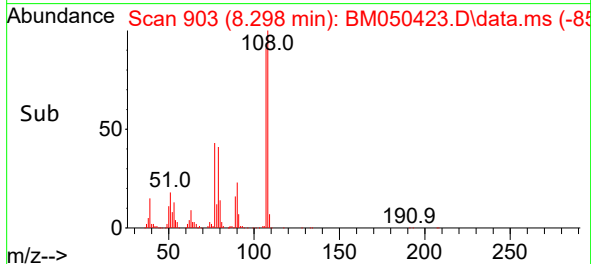
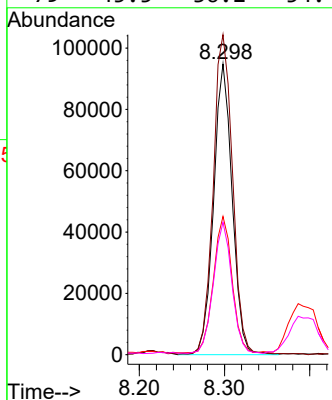
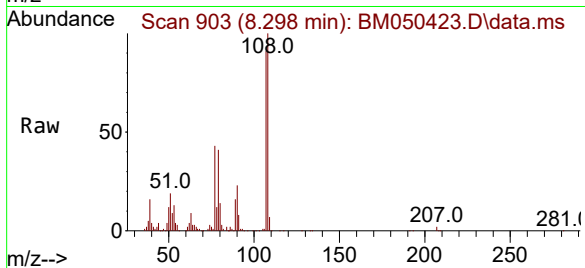




#17
2-Methylphenol
Concen: 8.198 ng
RT: 8.298 min Scan# 903
Delta R.T. -0.000 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

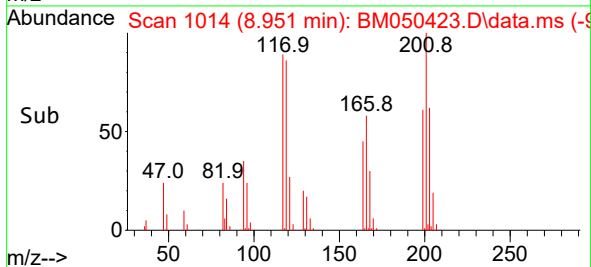
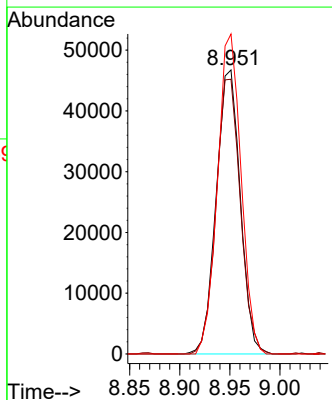
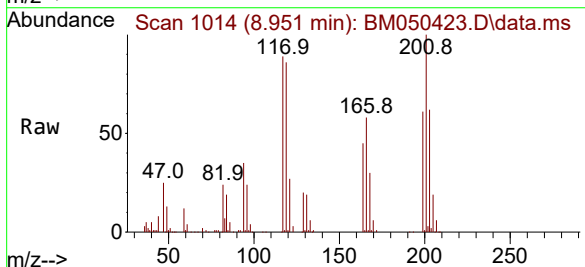
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

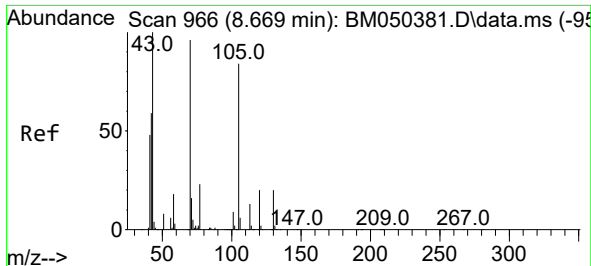
Tgt Ion:	107	Resp:	144357
Ion	Ratio	Lower	Upper
107	100		
108	110.1	92.1	138.1
77	47.6	38.2	57.4
79	45.5	36.2	54.4



#18
Hexachloroethane
Concen: 8.208 ng
RT: 8.951 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion:	117	Resp:	78043
Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.6	113.4
201	112.6	87.9	131.9

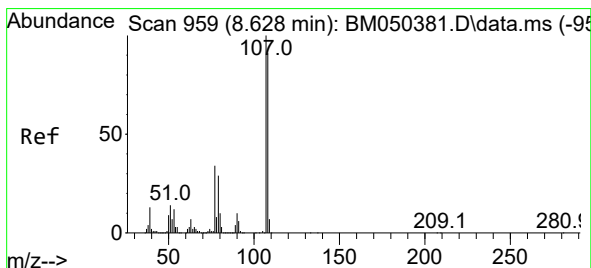
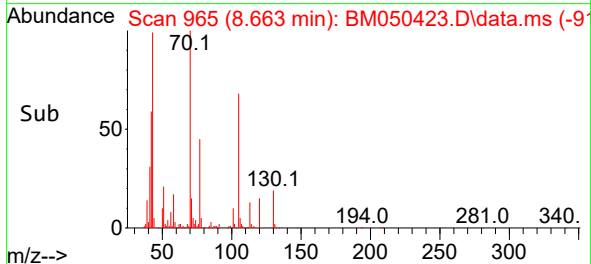
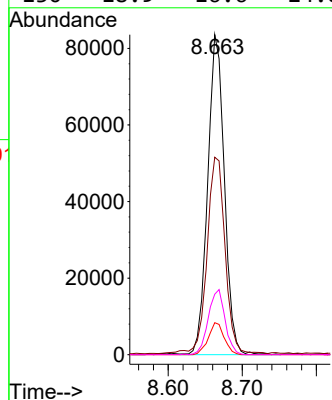
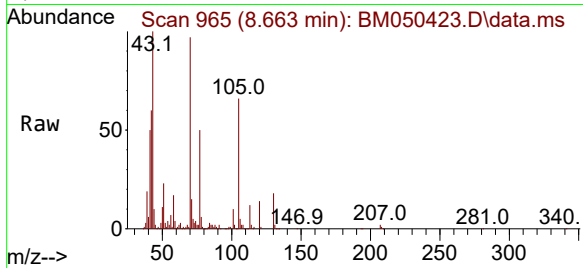




#19
n-Nitroso-di-n-propylamine
Concen: 8.315 ng
RT: 8.663 min Scan# 90
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

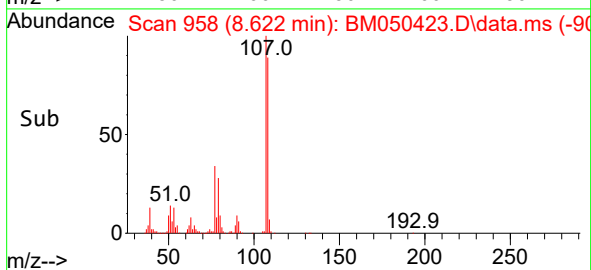
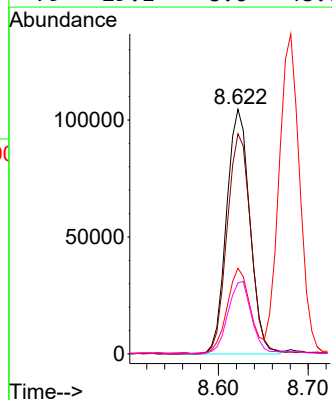
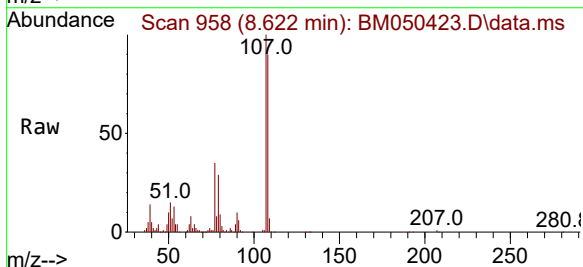
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

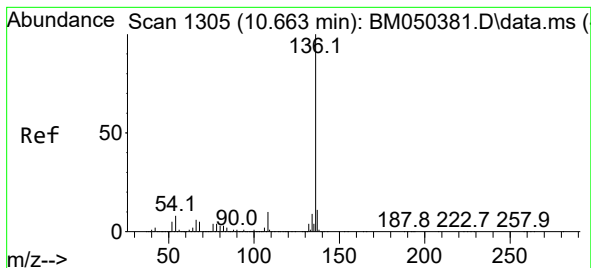
Tgt Ion: 70 Resp: 131119
Ion Ratio Lower Upper
70 100
42 61.7 49.7 74.5
101 10.0 7.7 11.5
130 18.9 16.6 24.8



#20
3+4-Methylphenols
Concen: 8.003 ng
RT: 8.622 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion: 107 Resp: 189178
Ion Ratio Lower Upper
107 100
108 90.0 71.5 111.5
77 35.1 13.7 53.7
79 29.1 8.6 48.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.657 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:136 Resp: 1315090

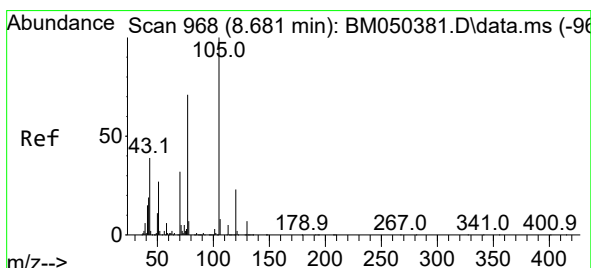
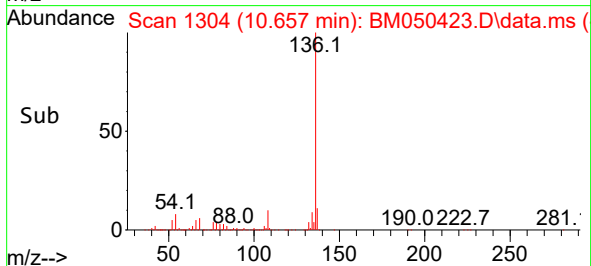
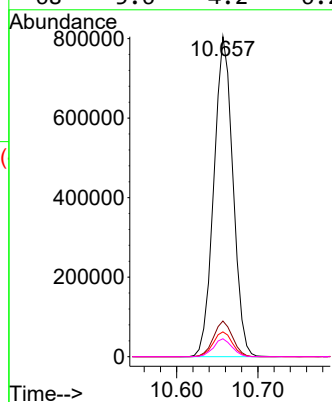
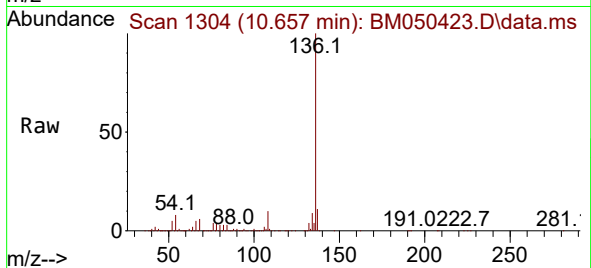
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 7.8 6.3 9.5

68 5.6 4.2 6.2



#22

Acetophenone

Concen: 8.662 ng

RT: 8.681 min Scan# 968

Delta R.T. -0.000 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Tgt Ion:105 Resp: 284799

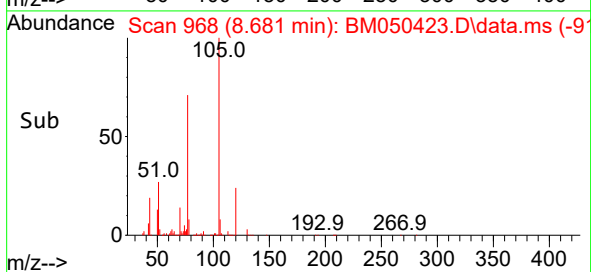
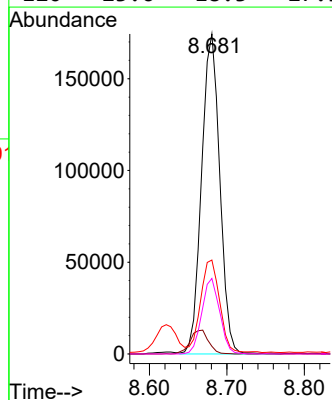
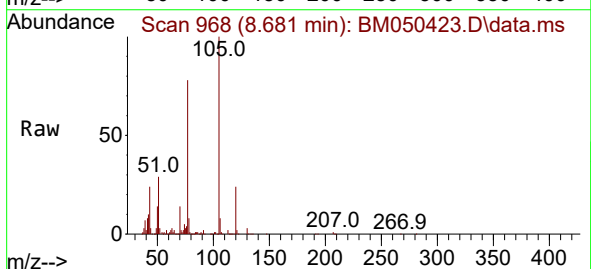
Ion Ratio Lower Upper

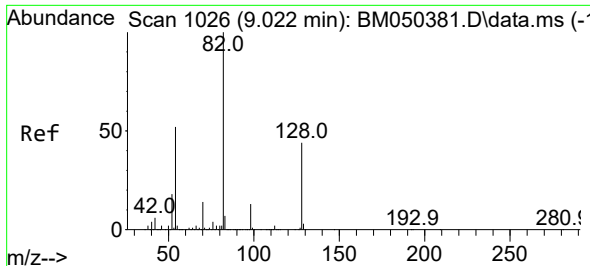
105 100

71 2.4 4.4 6.6#

51 29.4 23.0 34.6

120 23.6 18.3 27.5

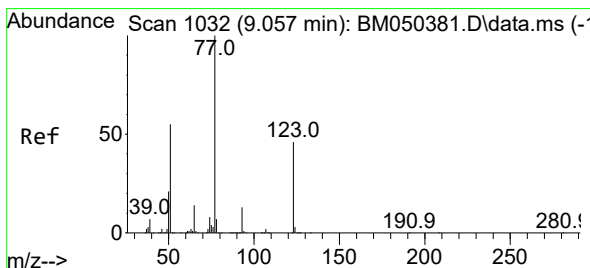
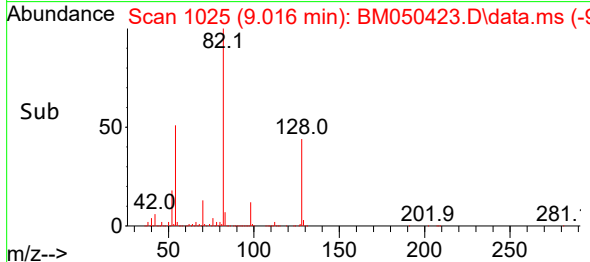
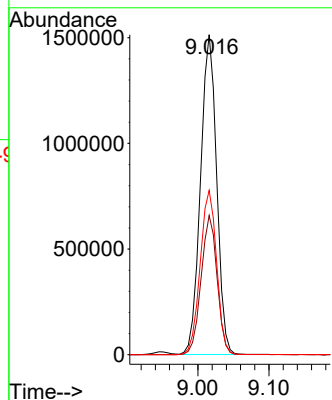
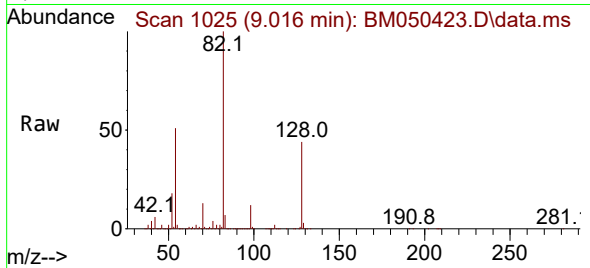




#23
Nitrobenzene-d5
Concen: 92.858 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

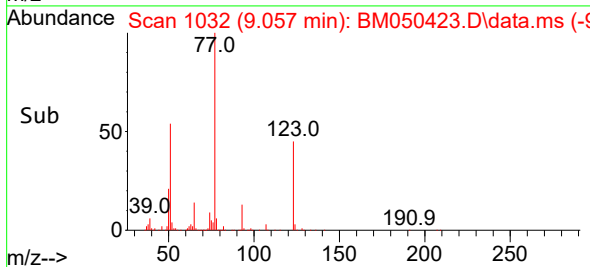
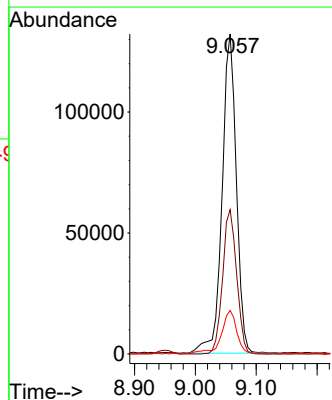
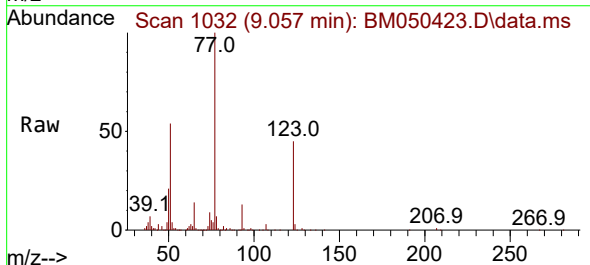
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

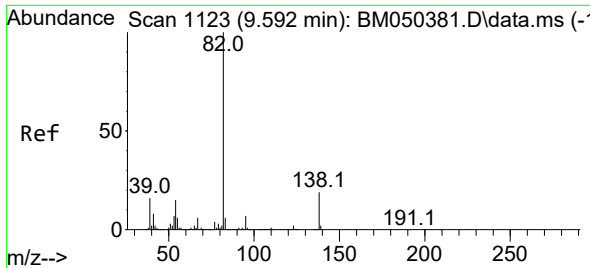
Tgt Ion: 82 Resp: 2393595
Ion Ratio Lower Upper
82 100
128 43.5 35.2 52.8
54 51.3 41.5 62.3



#24
Nitrobenzene
Concen: 9.325 ng
RT: 9.057 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion: 77 Resp: 214495
Ion Ratio Lower Upper
77 100
123 45.1 37.0 55.6
65 13.6 11.0 16.4

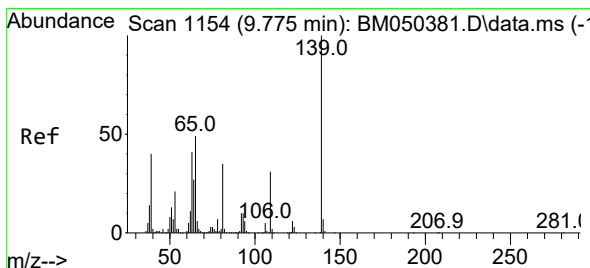
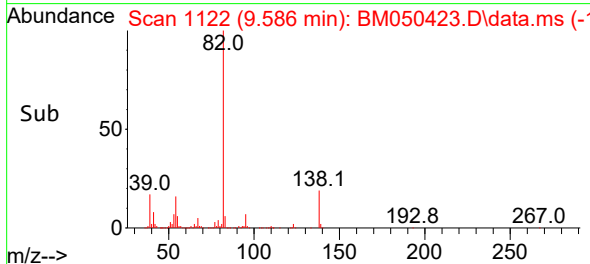
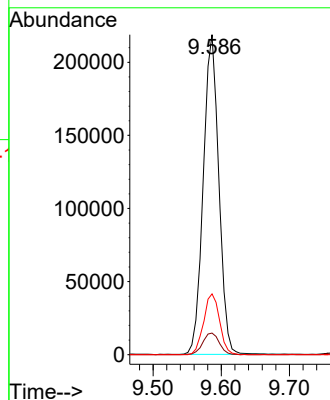
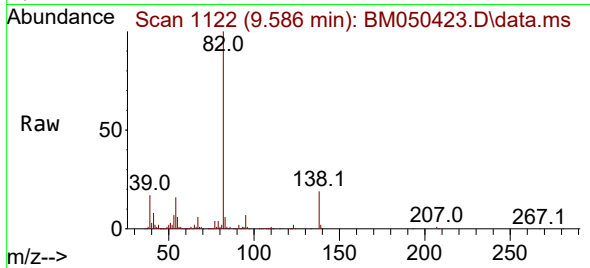




#25
Isophorone
Concen: 8.296 ng
RT: 9.586 min Scan# 1122
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

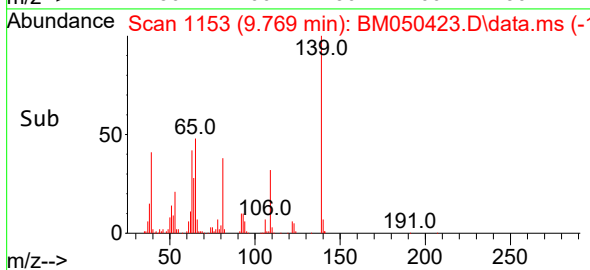
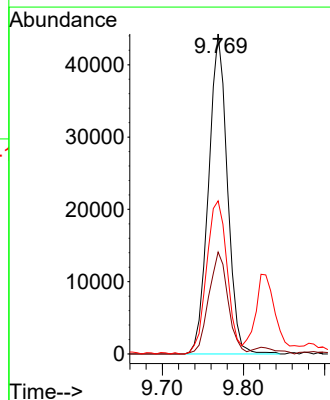
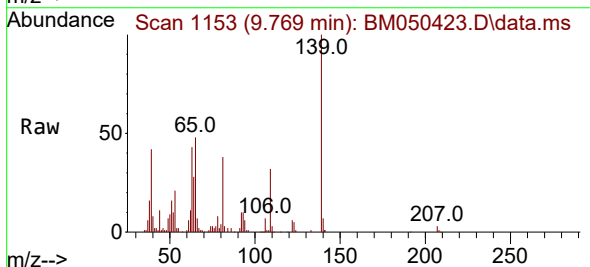
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

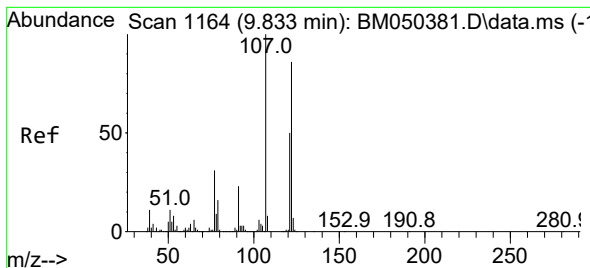
Tgt Ion: 82 Resp: 346987
Ion Ratio Lower Upper
82 100
95 6.8 5.6 8.4
138 19.0 15.3 22.9



#26
2-Nitrophenol
Concen: 7.596 ng
RT: 9.769 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion: 139 Resp: 71207
Ion Ratio Lower Upper
139 100
109 31.9 24.6 36.8
65 47.8 39.2 58.8





#27

2,4-Dimethylphenol

Concen: 8.001 ng

RT: 9.828 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

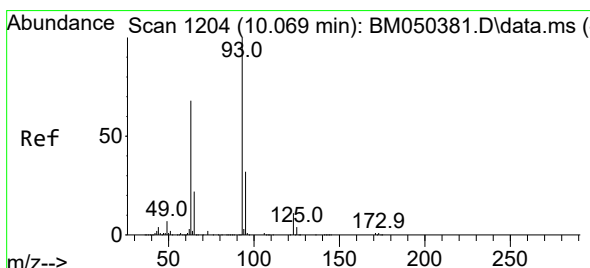
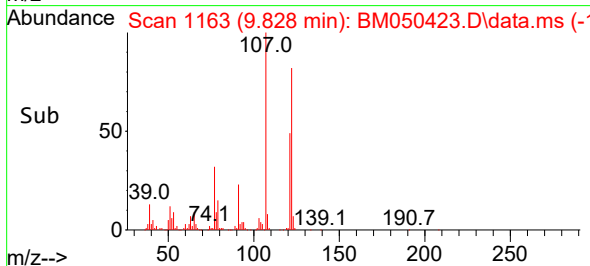
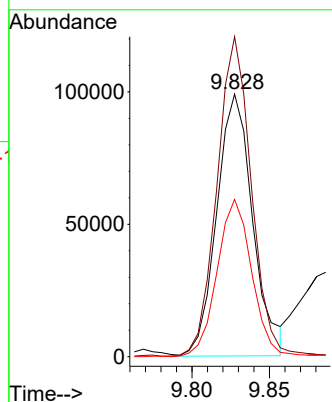
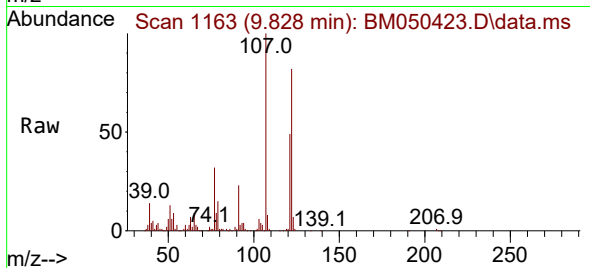
Tgt Ion:122 Resp: 159601

Ion Ratio Lower Upper

122 100

107 121.9 93.0 139.6

121 59.9 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 8.389 ng

RT: 10.063 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

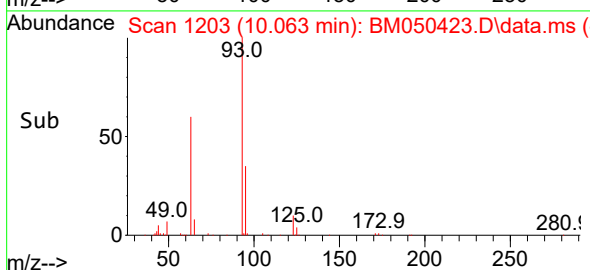
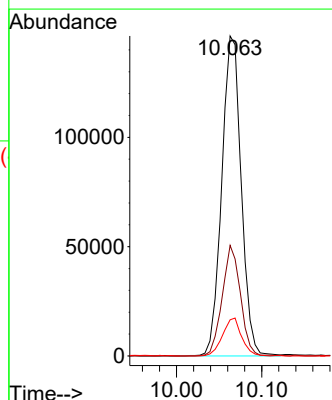
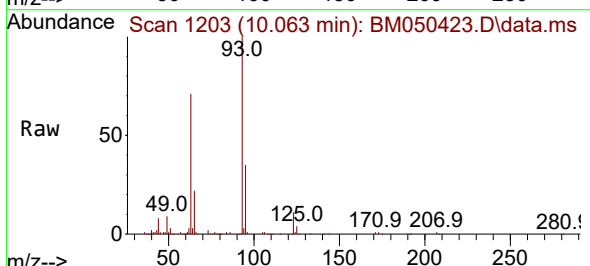
Tgt Ion: 93 Resp: 232503

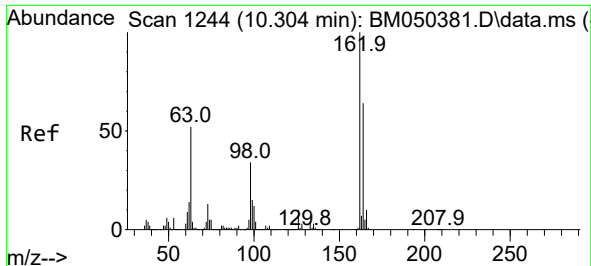
Ion Ratio Lower Upper

93 100

95 34.5 25.8 38.6

123 11.3 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 8.165 ng

RT: 10.298 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

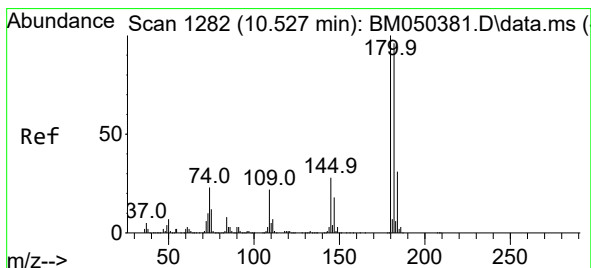
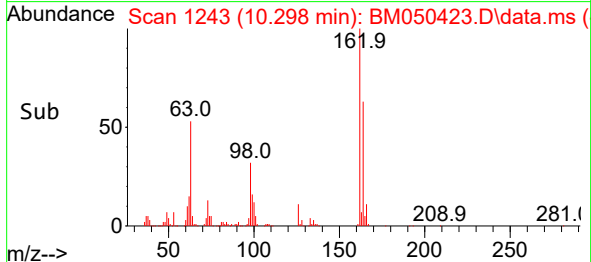
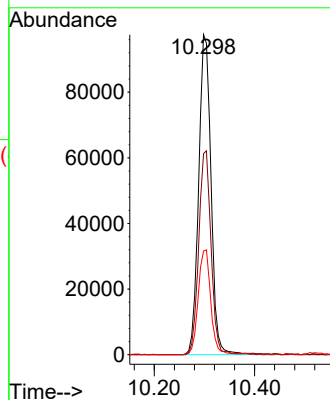
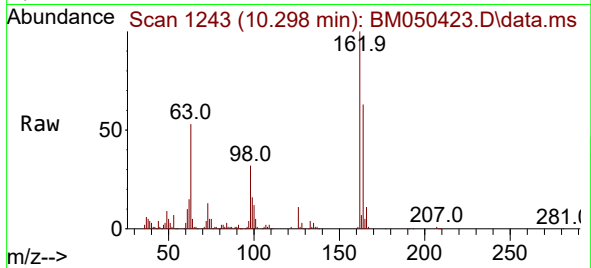
Tgt Ion:162 Resp: 167330

Ion Ratio Lower Upper

162 100

164 62.9 43.7 83.7

98 32.4 13.7 53.7



#30

1,2,4-Trichlorobenzene

Concen: 8.380 ng

RT: 10.522 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

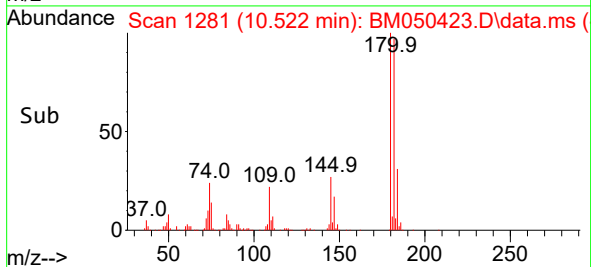
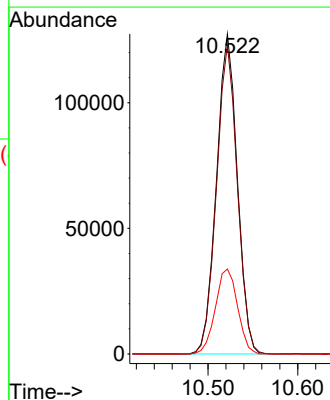
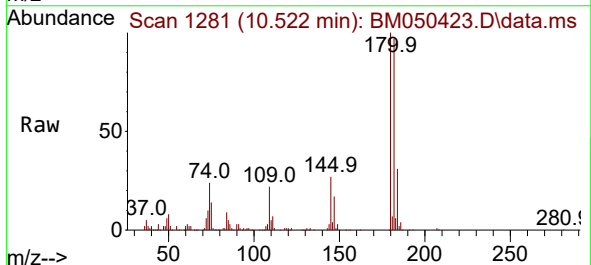
Tgt Ion:180 Resp: 205460

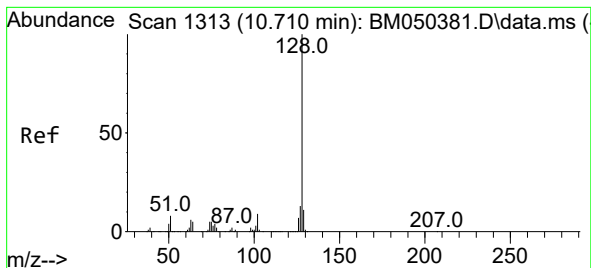
Ion Ratio Lower Upper

180 100

182 96.6 76.8 115.2

145 26.5 22.6 33.8





#31

Naphthalene

Concen: 8.591 ng

RT: 10.710 min Scan# 11

Delta R.T. -0.000 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

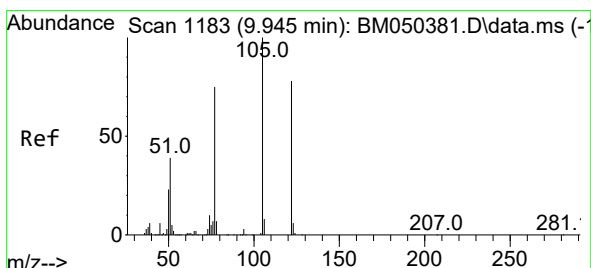
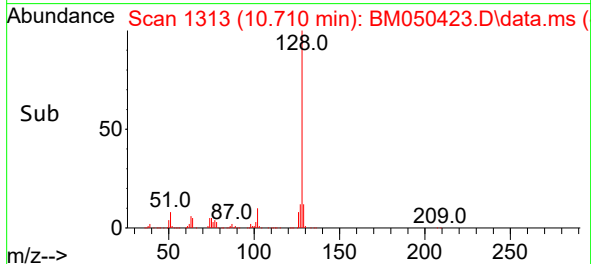
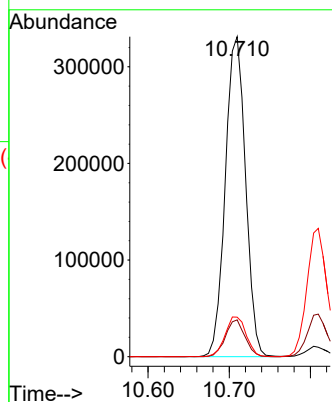
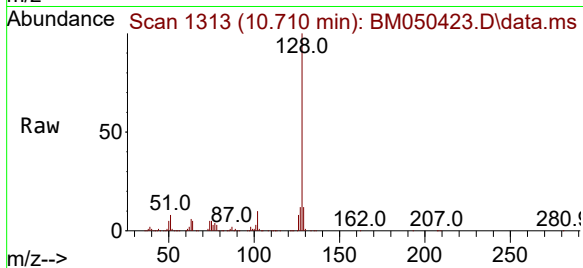
Tgt Ion:128 Resp: 573822

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

127 12.3 10.4 15.6



#32

Benzoic acid

Concen: 10.500 ng

RT: 9.886 min Scan# 1173

Delta R.T. -0.059 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

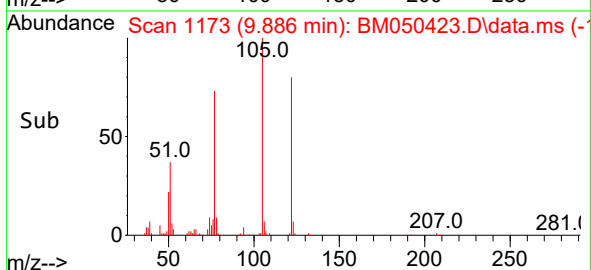
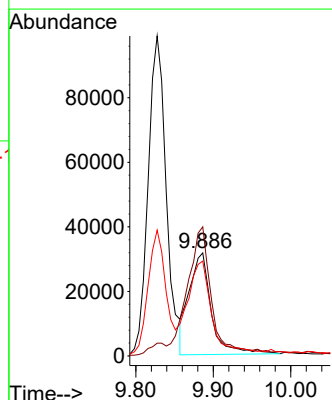
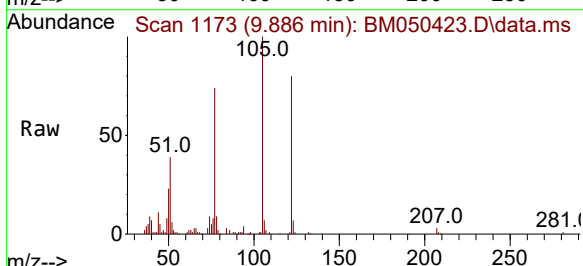
Tgt Ion:122 Resp: 63290

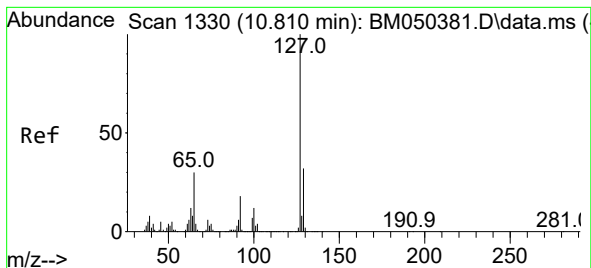
Ion Ratio Lower Upper

122 100

105 125.3 104.0 144.0

77 92.1 73.8 113.8





#33

4-Chloroaniline

Concen: 8.208 ng

RT: 10.810 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:127 Resp: 231800

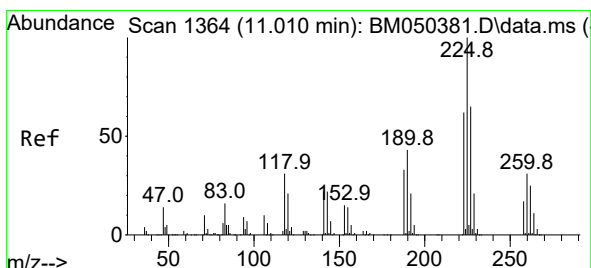
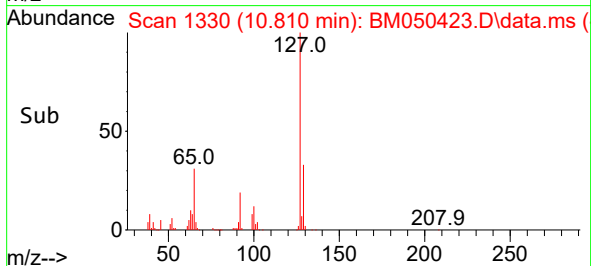
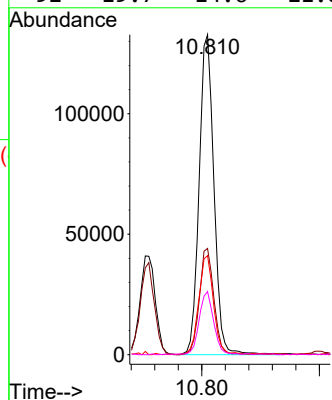
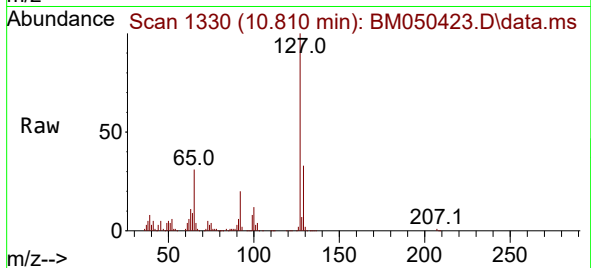
Ion Ratio Lower Upper

127 100

129 33.2 25.5 38.3

65 31.0 23.9 35.9

92 19.7 14.6 21.8



#34

Hexachlorobutadiene

Concen: 8.167 ng

RT: 11.004 min Scan# 1363

Delta R.T. -0.006 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

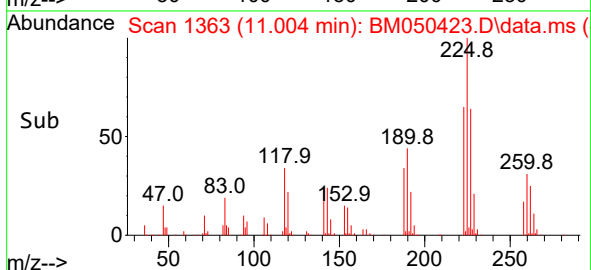
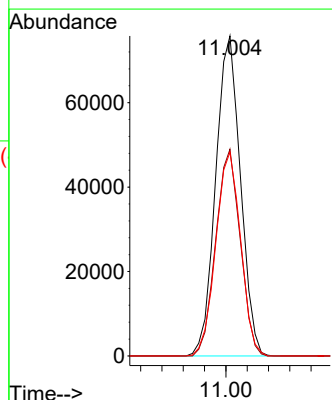
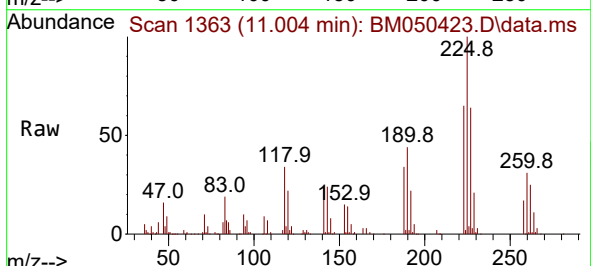
Tgt Ion:225 Resp: 122214

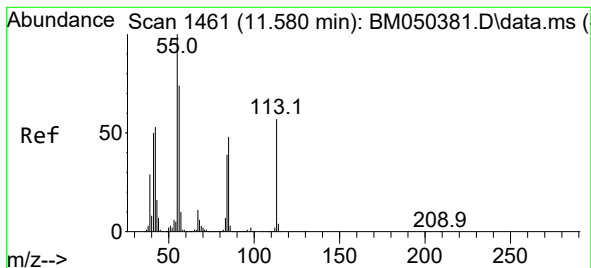
Ion Ratio Lower Upper

225 100

223 64.6 49.7 74.5

227 63.7 52.1 78.1

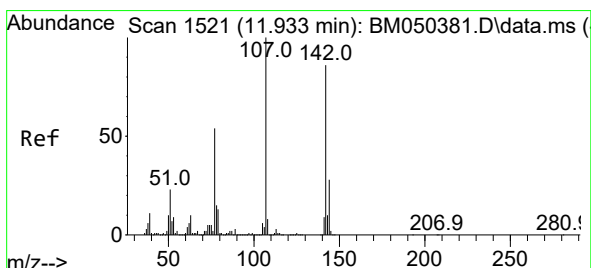
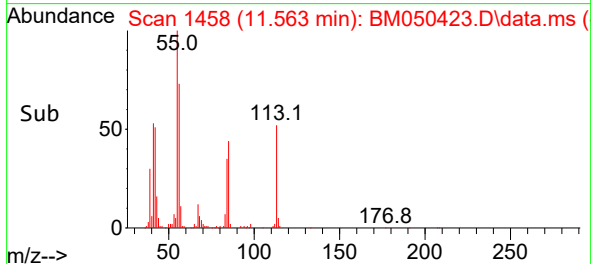
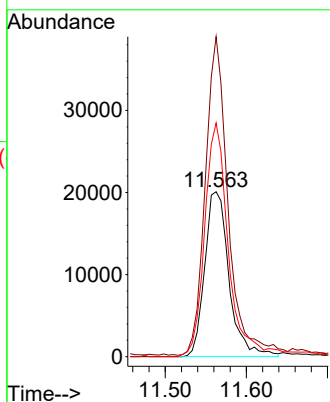
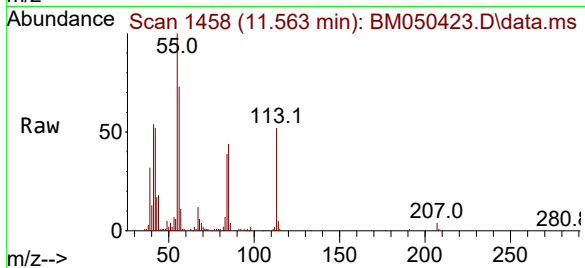




#35
Caprolactam
Concen: 7.486 ng
RT: 11.563 min Scan# 1461
Delta R.T. -0.018 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

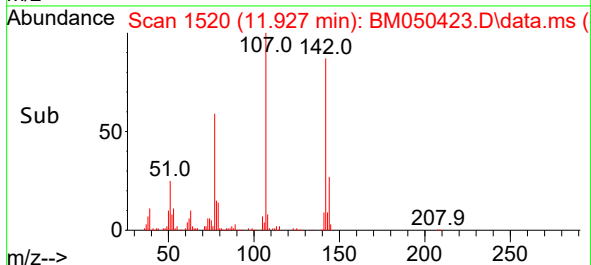
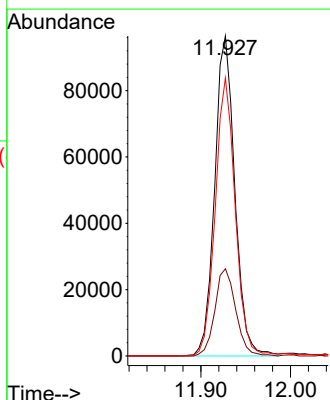
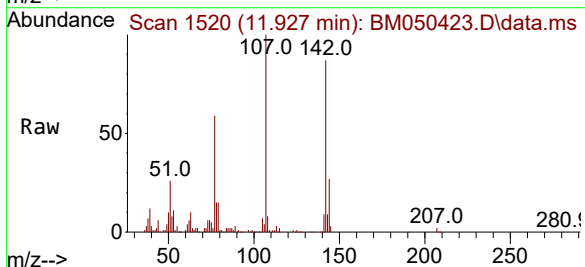
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

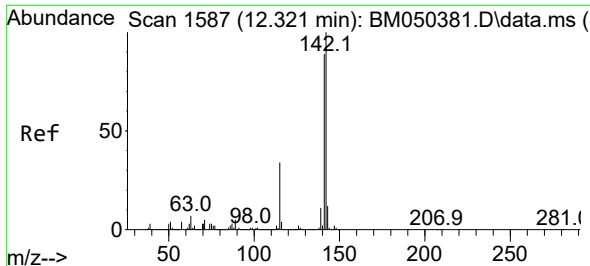
Tgt Ion:113 Resp: 41880
Ion Ratio Lower Upper
113 100
55 193.9 157.2 197.2
56 141.7 111.7 151.7



#36
4-Chloro-3-methylphenol
Concen: 7.867 ng
RT: 11.927 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion:107 Resp: 150563
Ion Ratio Lower Upper
107 100
144 27.3 22.2 33.4
142 86.9 68.7 103.1

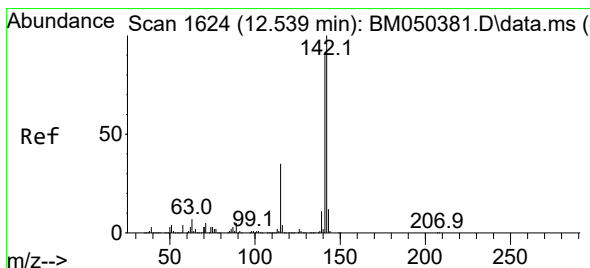
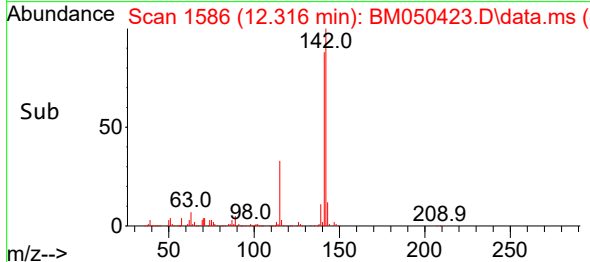
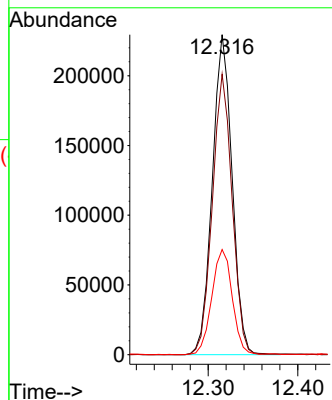
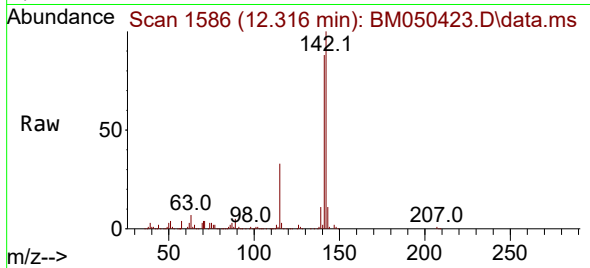




#37
2-Methylnaphthalene
Concen: 8.337 ng
RT: 12.316 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

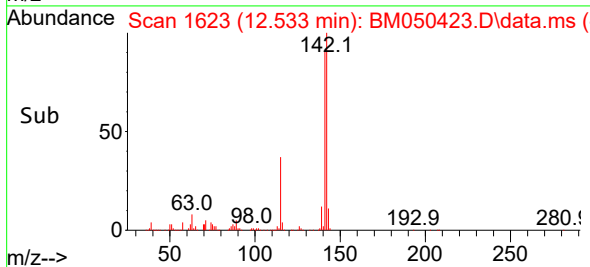
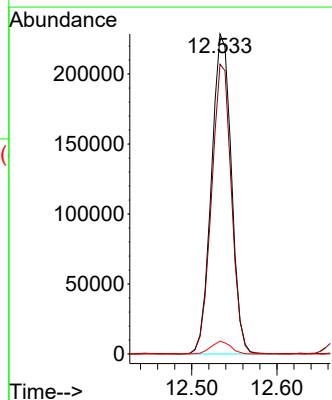
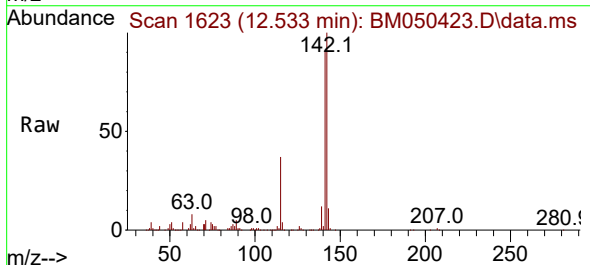
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

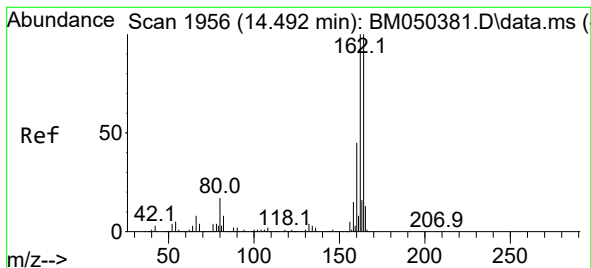
Tgt Ion:142 Resp: 351621
Ion Ratio Lower Upper
142 100
141 87.6 70.8 106.2
115 32.8 27.0 40.4



#38
1-Methylnaphthalene
Concen: 8.318 ng
RT: 12.533 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion:142 Resp: 371280
Ion Ratio Lower Upper
142 100
141 90.6 71.9 107.9
116 4.0 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: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

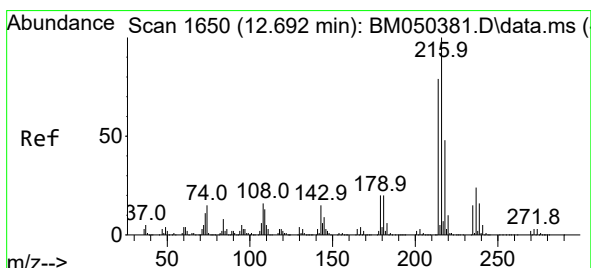
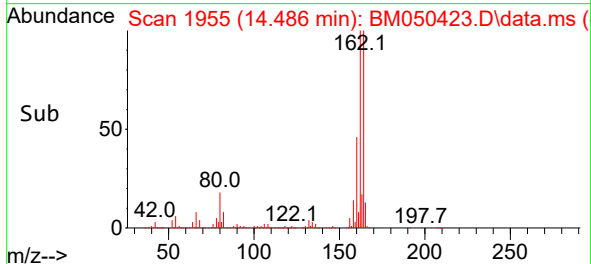
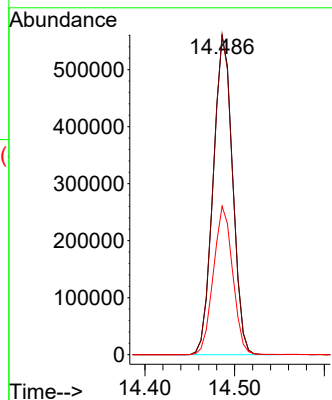
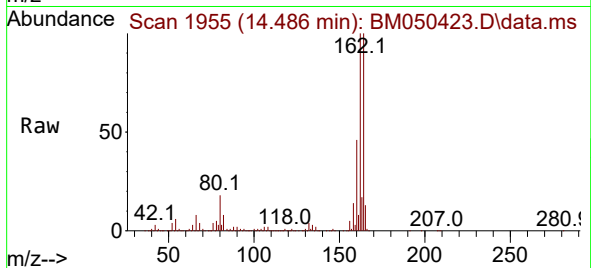
Tgt Ion:164 Resp: 838290

Ion Ratio Lower Upper

164 100

162 100.4 79.9 119.9

160 46.6 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.149 ng

RT: 12.686 min Scan# 1649

Delta R.T. -0.006 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Tgt Ion:216 Resp: 217248

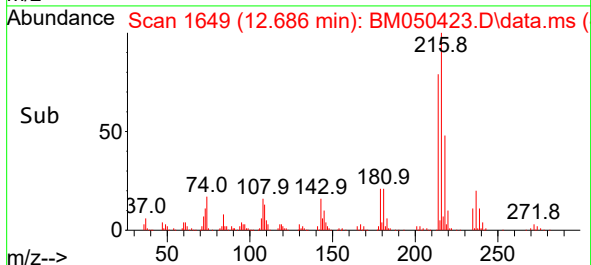
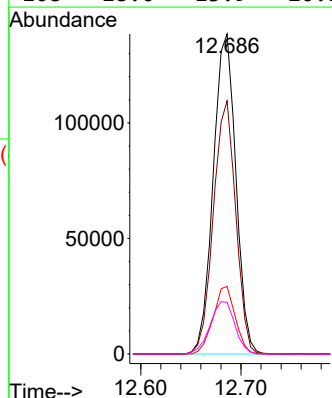
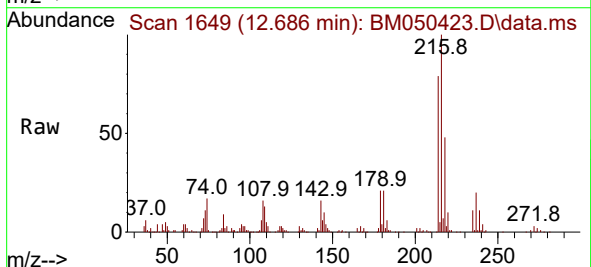
Ion Ratio Lower Upper

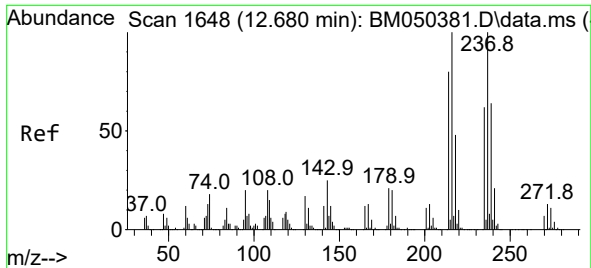
216 100

214 77.9 63.3 94.9

179 20.6 16.4 24.6

108 18.0 13.9 20.9

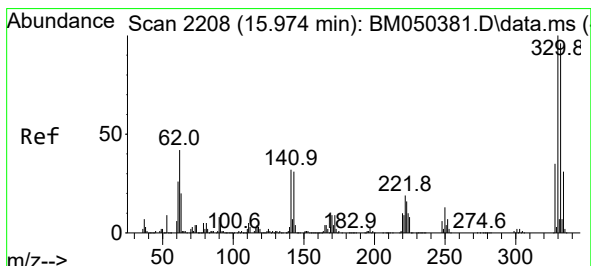
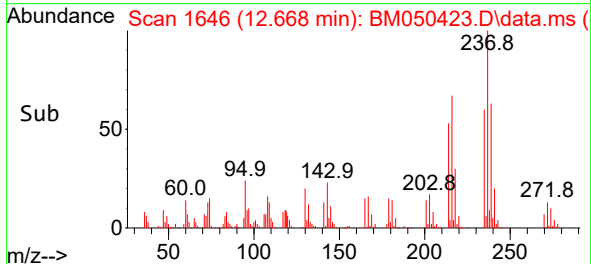
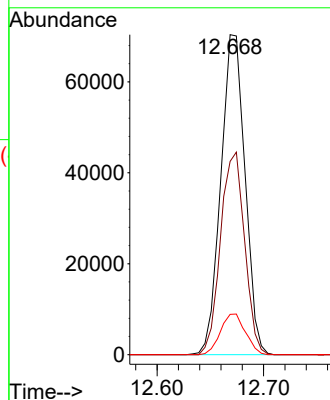
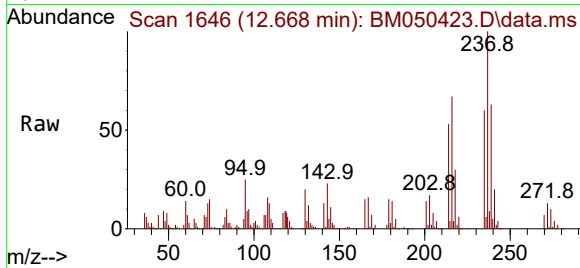




#41
Hexachlorocyclopentadiene
Concen: 6.527 ng
RT: 12.668 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

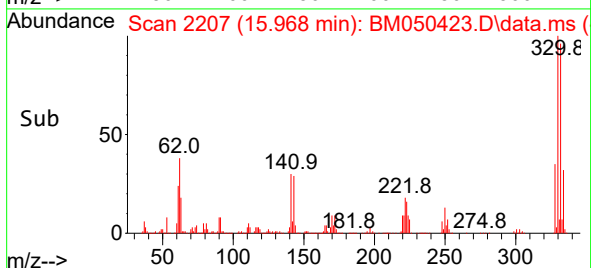
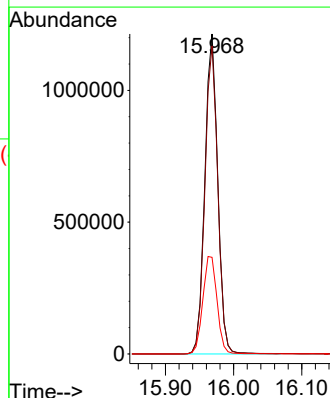
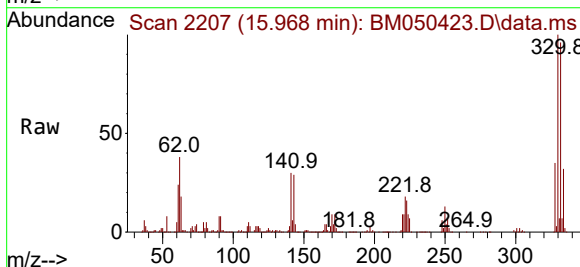
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

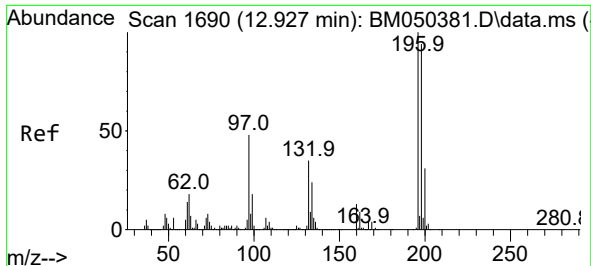
Tgt Ion:237 Resp: 111217
Ion Ratio Lower Upper
237 100
235 60.4 42.3 82.3
272 12.6 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 156.956 ng
RT: 15.968 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion:330 Resp: 1598649
Ion Ratio Lower Upper
330 100
332 96.4 76.9 115.3
141 33.6 27.4 41.0

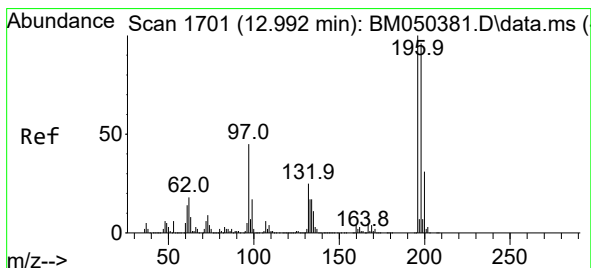
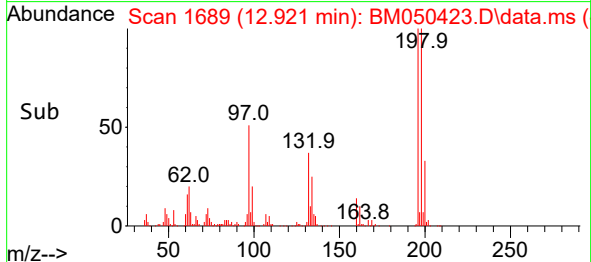
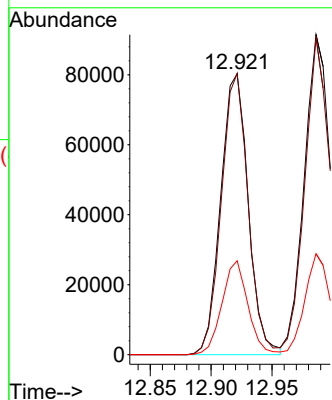
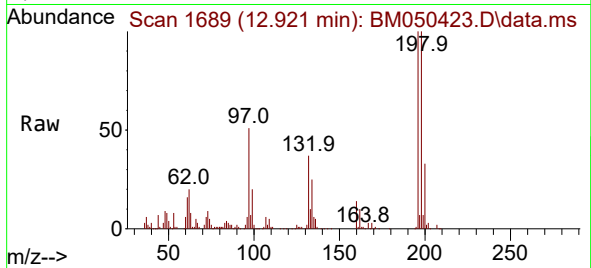




#43
2,4,6-Trichlorophenol
Concen: 7.721 ng
RT: 12.921 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

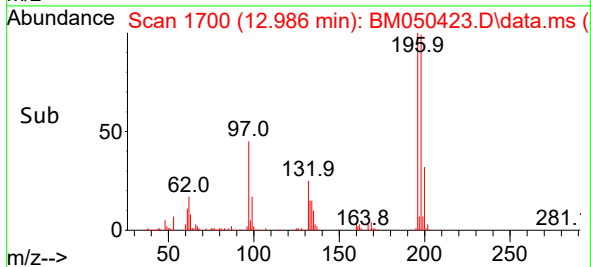
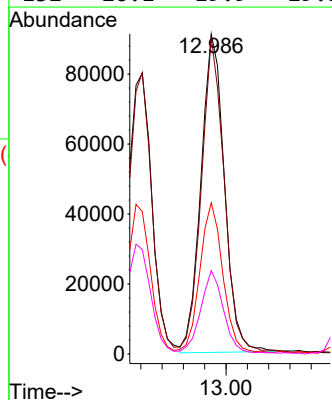
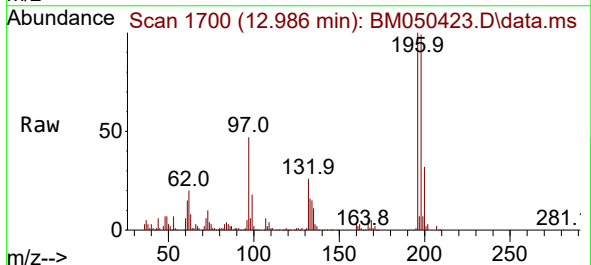
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

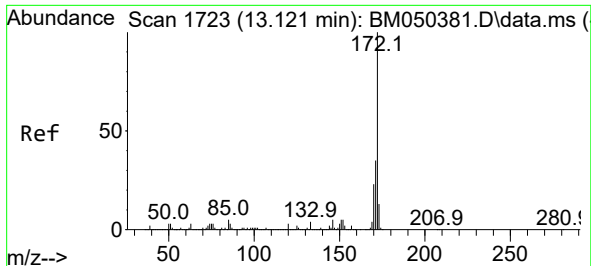
Tgt Ion:196 Resp: 126692
Ion Ratio Lower Upper
196 100
198 100.2 75.1 112.7
200 33.5 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 7.802 ng
RT: 12.986 min Scan# 1700
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion:196 Resp: 139817
Ion Ratio Lower Upper
196 100
198 99.1 77.2 115.8
97 47.3 36.2 54.4
132 26.1 19.9 29.9

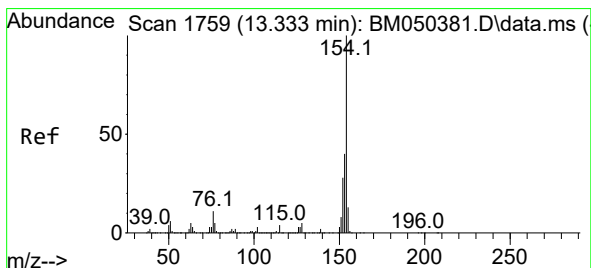
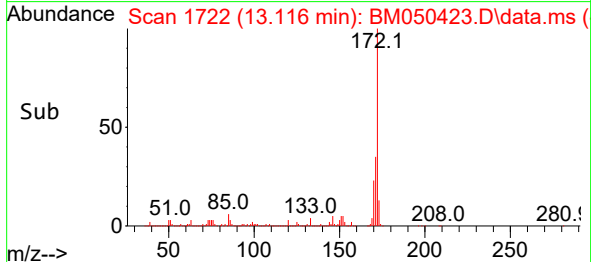
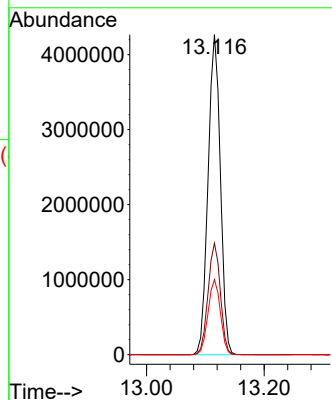
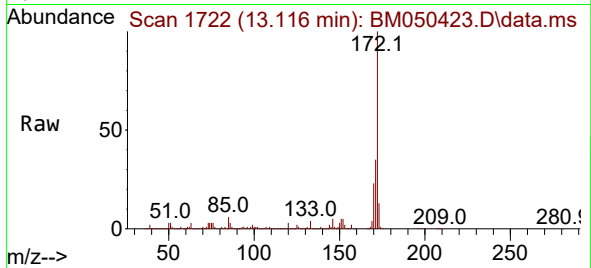




#45
2-Fluorobiphenyl
Concen: 91.072 ng
RT: 13.116 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

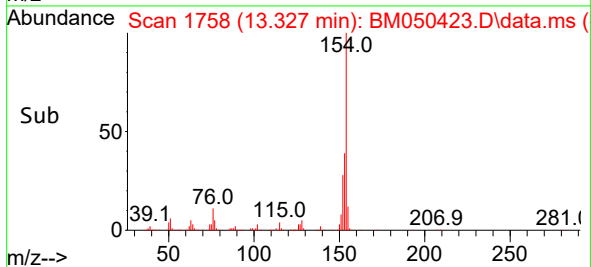
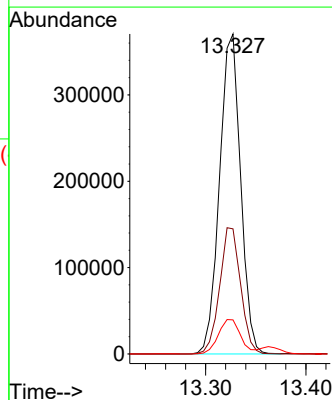
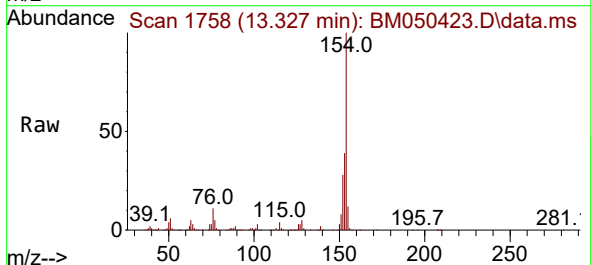
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

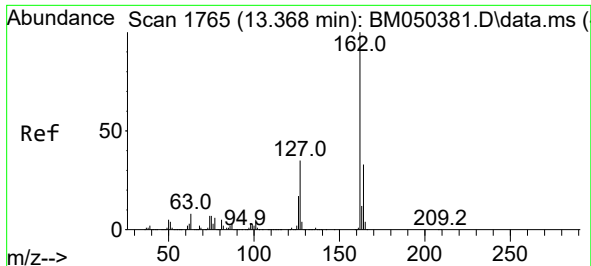
Tgt Ion:172 Resp: 6182070
Ion Ratio Lower Upper
172 100
171 34.8 27.7 41.5
170 23.5 18.8 28.2



#46
1,1'-Biphenyl
Concen: 8.679 ng
RT: 13.327 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion:154 Resp: 539784
Ion Ratio Lower Upper
154 100
153 39.1 19.7 59.7
76 10.7 0.0 30.9

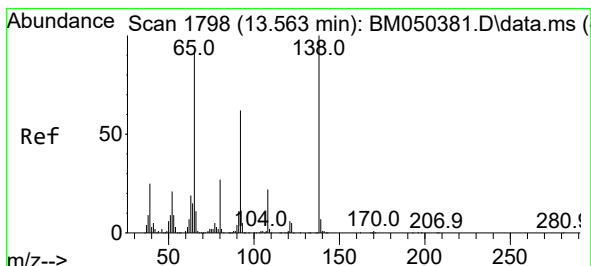
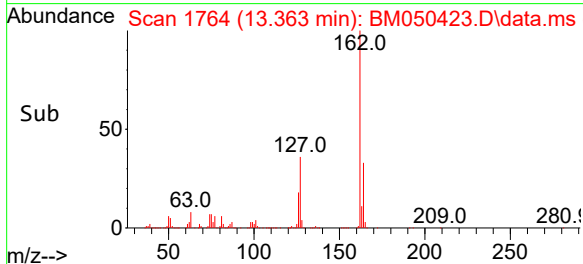
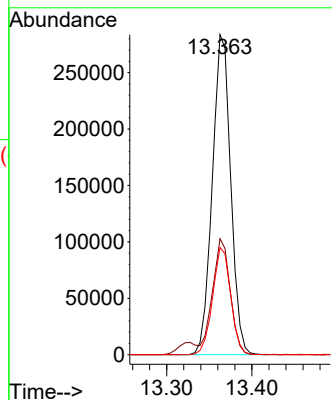
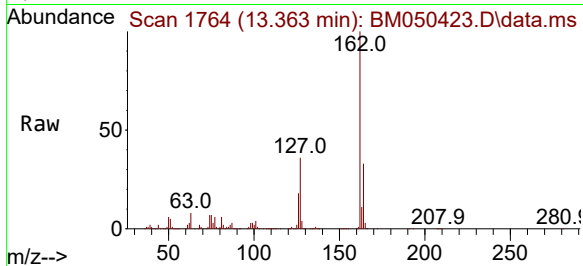




#47
2-Chloronaphthalene
Concen: 8.570 ng
RT: 13.363 min Scan# 1764
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

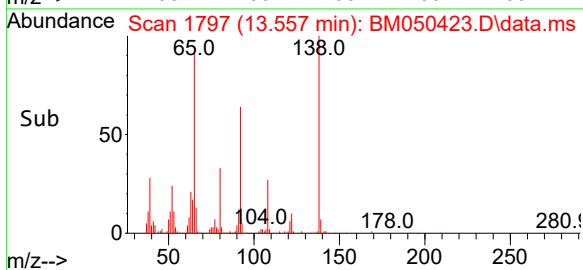
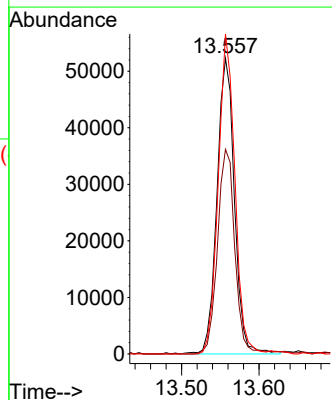
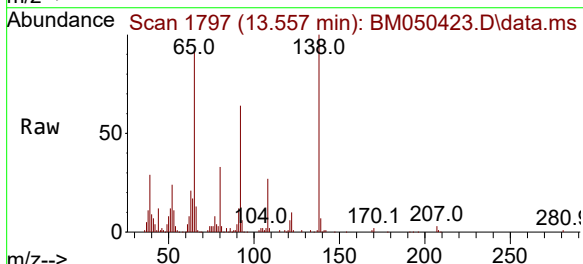
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

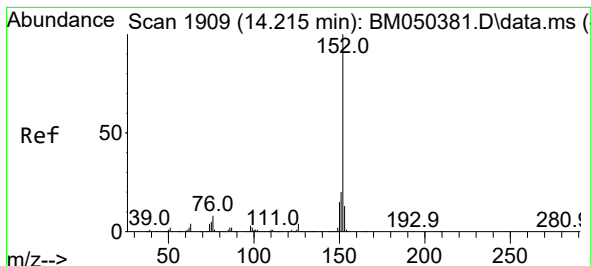
Tgt Ion:162 Resp: 424966
Ion Ratio Lower Upper
162 100
127 36.3 28.3 42.5
164 33.5 26.6 40.0



#48
2-Nitroaniline
Concen: 7.417 ng
RT: 13.557 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion: 65 Resp: 82092
Ion Ratio Lower Upper
65 100
92 69.2 54.3 81.5
138 108.2 87.8 131.6





#49

Acenaphthylene

Concen: 8.321 ng

RT: 14.210 min Scan# 1909

Delta R.T. -0.006 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

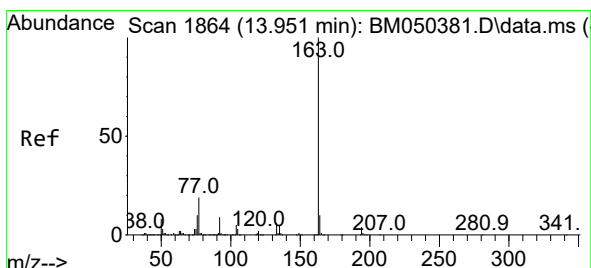
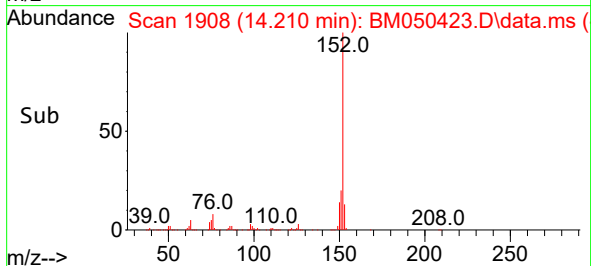
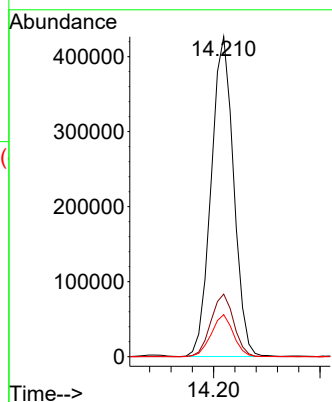
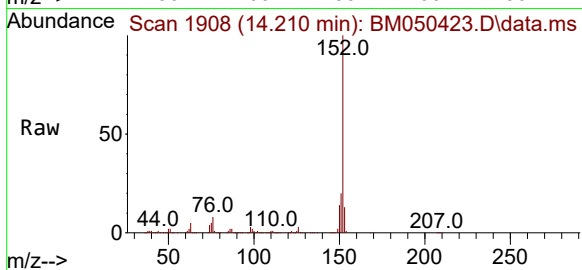
Tgt Ion:152 Resp: 623574

Ion Ratio Lower Upper

152 100

151 19.6 16.3 24.5

153 13.2 10.6 15.8



#50

Dimethylphthalate

Concen: 8.501 ng

RT: 13.939 min Scan# 1862

Delta R.T. -0.012 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

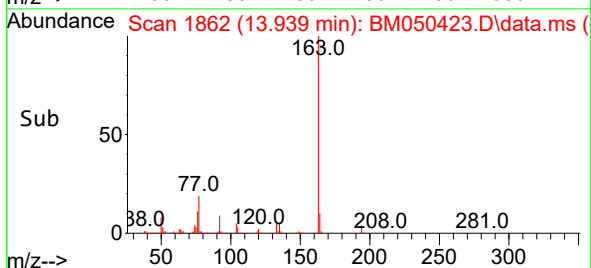
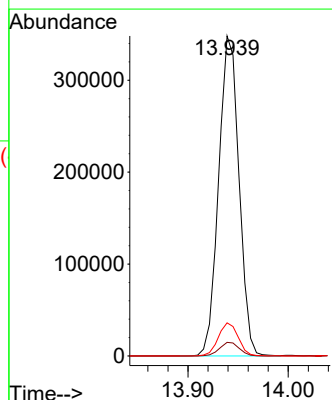
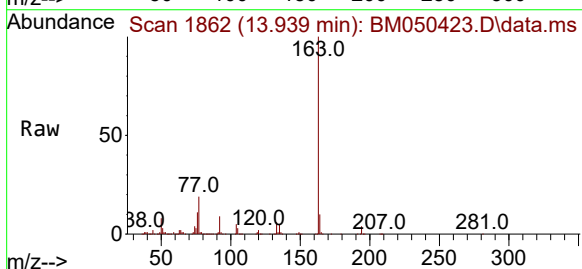
Tgt Ion:163 Resp: 490607

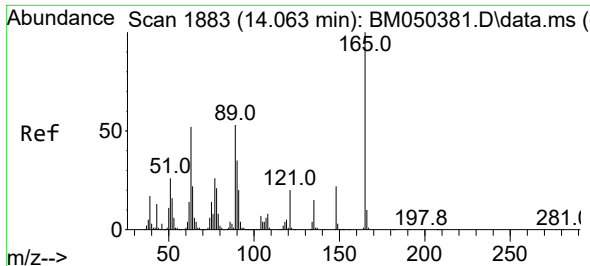
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.4 8.2 12.2

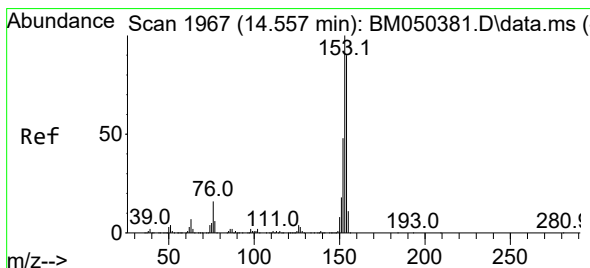
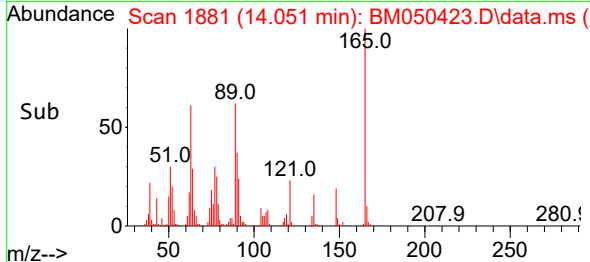
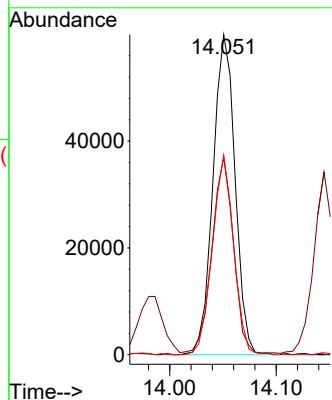
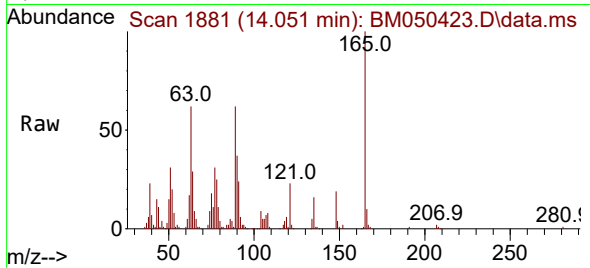




#51
2,6-Dinitrotoluene
Concen: 7.771 ng
RT: 14.051 min Scan# 1881
Delta R.T. -0.012 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

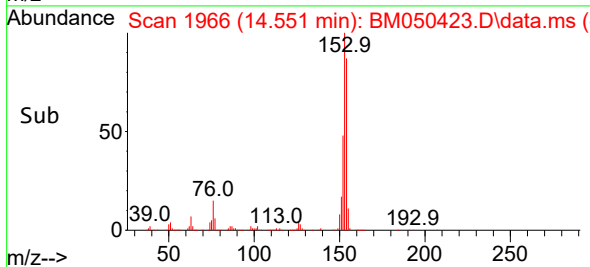
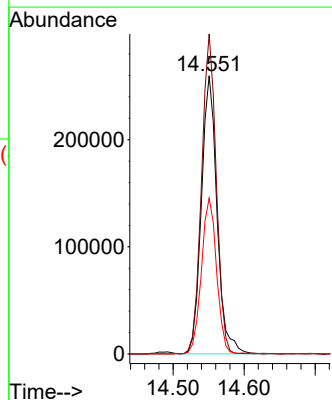
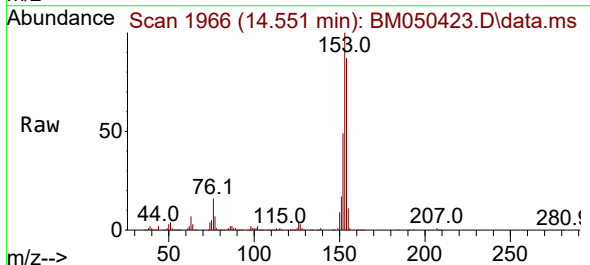
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

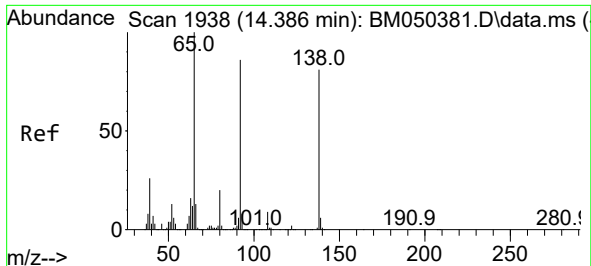
Tgt Ion:165 Resp: 86117
Ion Ratio Lower Upper
165 100
63 61.7 42.4 63.6
89 62.3 42.2 63.2



#52
Acenaphthene
Concen: 8.346 ng
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion:154 Resp: 397670
Ion Ratio Lower Upper
154 100
153 115.0 89.2 133.8
152 56.0 42.6 64.0

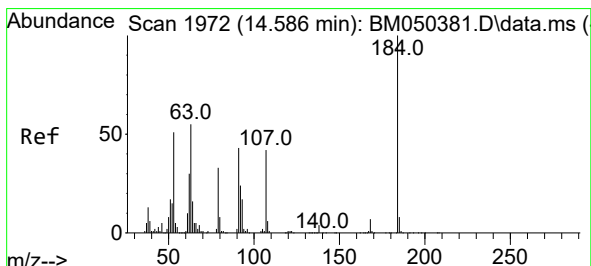
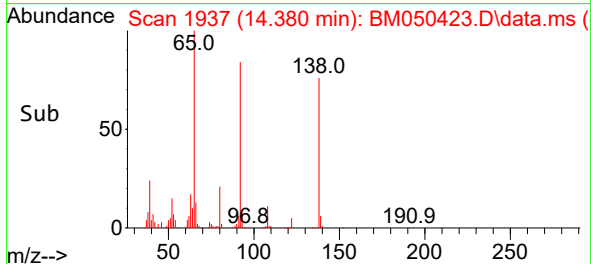
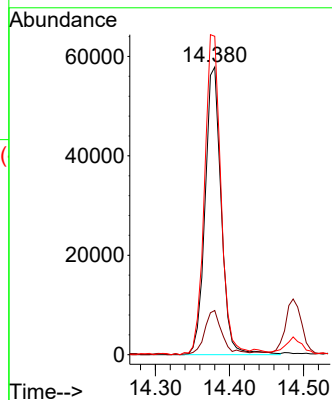
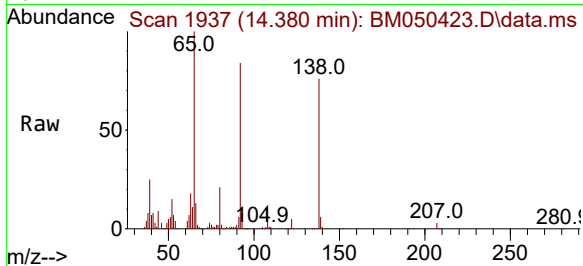




#53
3-Nitroaniline
Concen: 7.459 ng
RT: 14.380 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

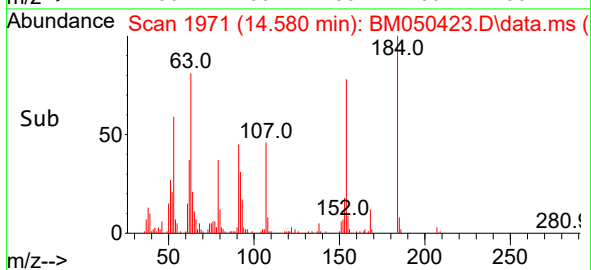
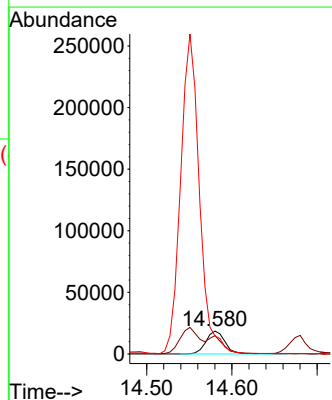
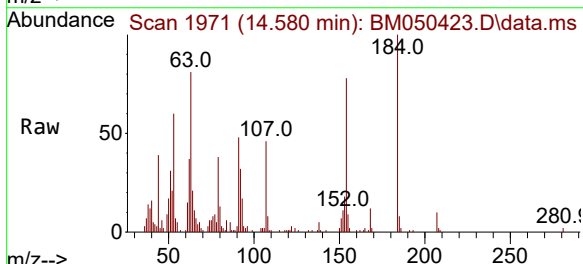
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

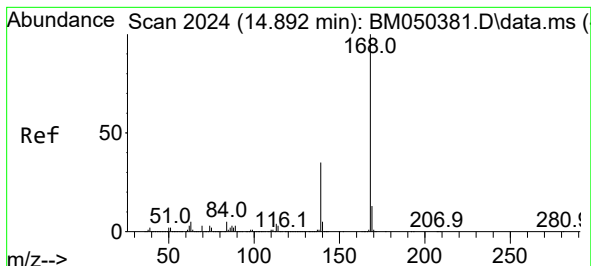
Tgt Ion:138 Resp: 87901
Ion Ratio Lower Upper
138 100
108 15.4 8.8 13.2#
92 110.7 85.0 127.6



#54
2,4-Dinitrophenol
Concen: 10.773 ng
RT: 14.580 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion:184 Resp: 29019
Ion Ratio Lower Upper
184 100
63 80.6 53.4 80.0#
154 77.5 61.6 92.4





#55

Dibenzenofuran

Concen: 8.638 ng

RT: 14.886 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

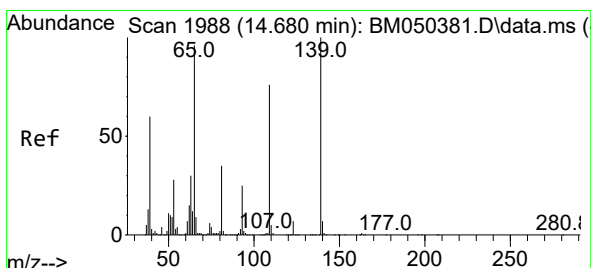
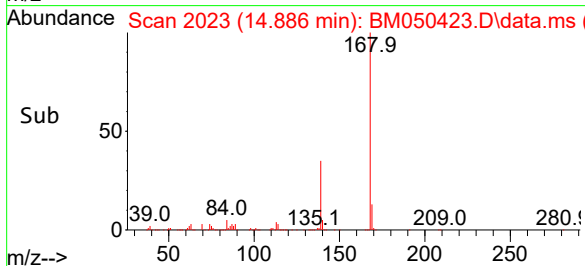
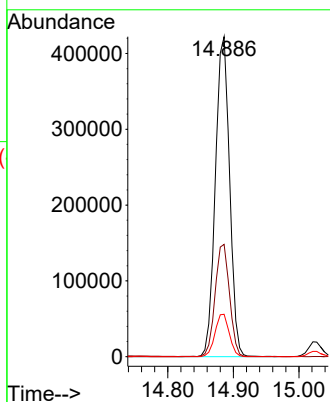
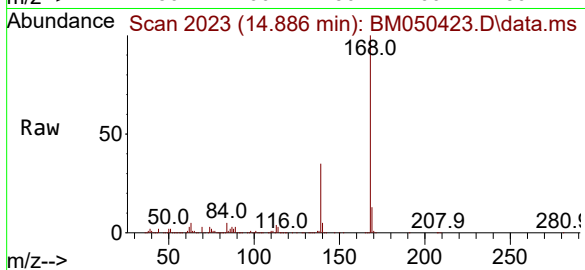
Tgt Ion:168 Resp: 634105

Ion Ratio Lower Upper

168 100

139 35.1 27.7 41.5

169 13.3 10.7 16.1



#56

4-Nitrophenol

Concen: 7.071 ng

RT: 14.680 min Scan# 1988

Delta R.T. 0.000 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

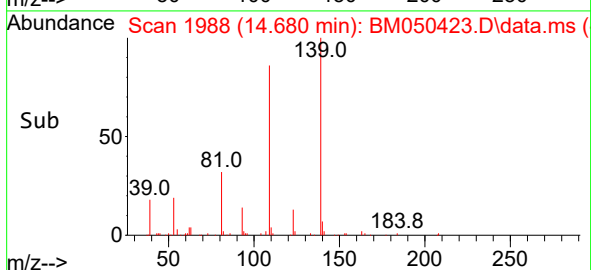
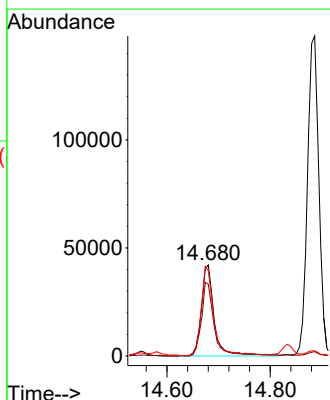
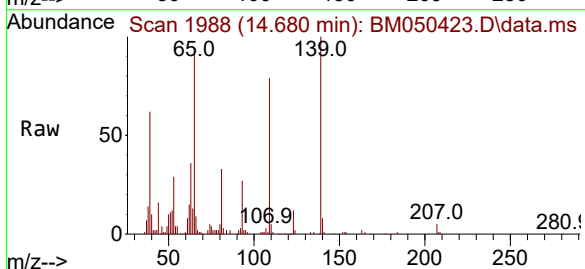
Tgt Ion:139 Resp: 71657

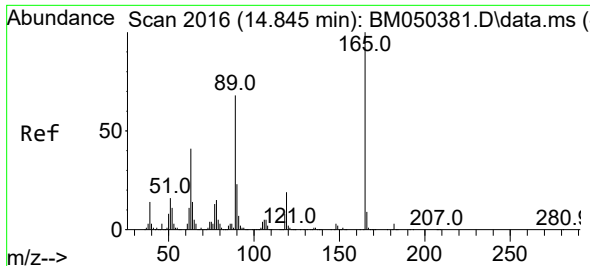
Ion Ratio Lower Upper

139 100

109 79.0 56.5 96.5

65 93.8 76.4 116.4





#57

2,4-Dinitrotoluene

Concen: 8.906 ng

RT: 14.833 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BM050423.D

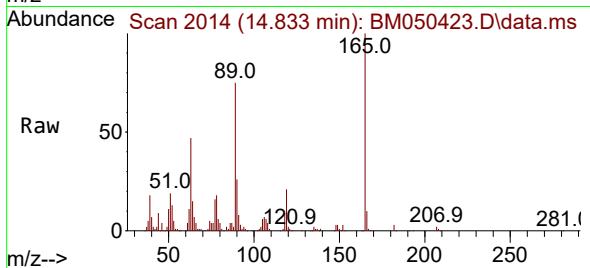
Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025



Tgt Ion:165 Resp: 108716

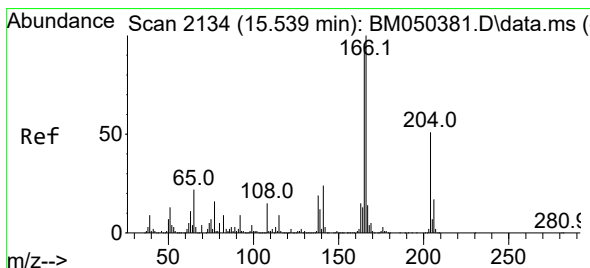
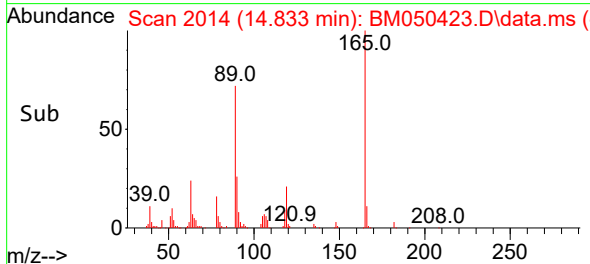
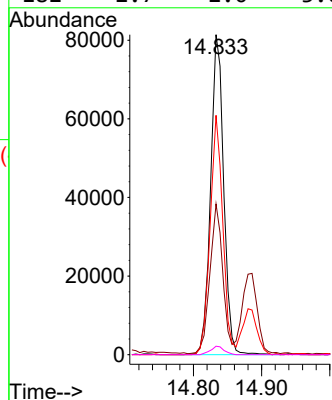
Ion Ratio Lower Upper

165 100

63 47.1 32.5 48.7

89 74.8 54.0 81.0

182 2.7 2.0 3.0



#58

Fluorene

Concen: 8.272 ng

RT: 15.527 min Scan# 2132

Delta R.T. -0.012 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

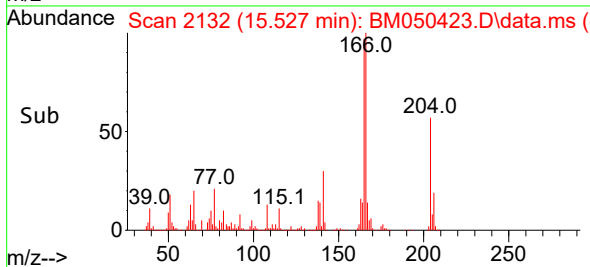
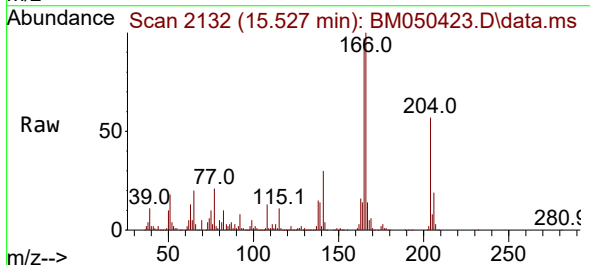
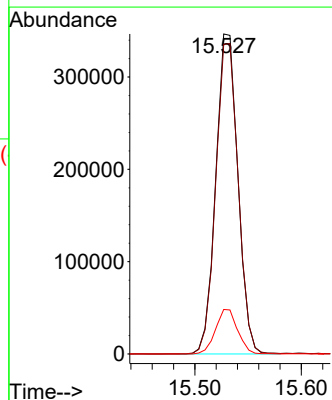
Tgt Ion:166 Resp: 500178

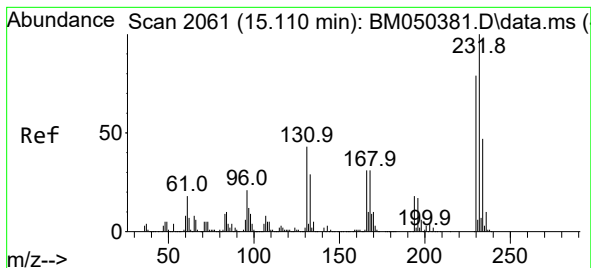
Ion Ratio Lower Upper

166 100

165 96.7 77.0 115.6

167 13.9 10.9 16.3

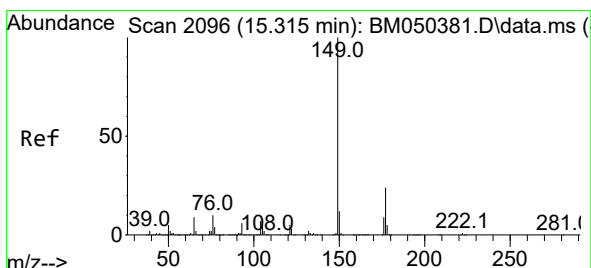
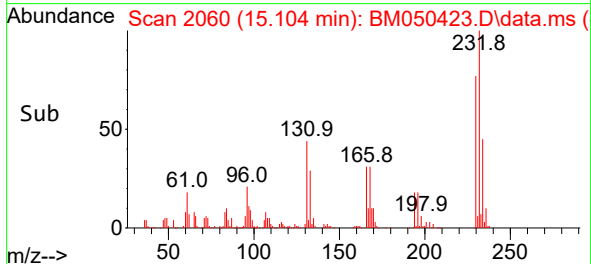
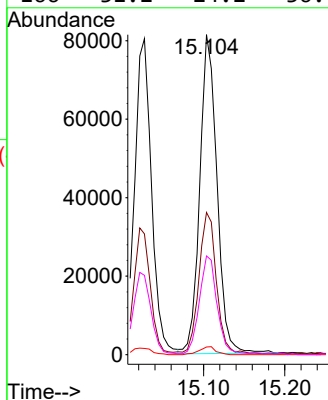
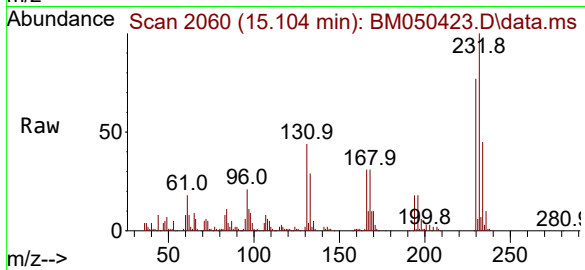




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.937 ng
RT: 15.104 min Scan# 2060
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

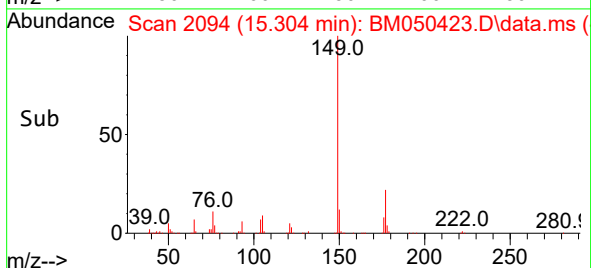
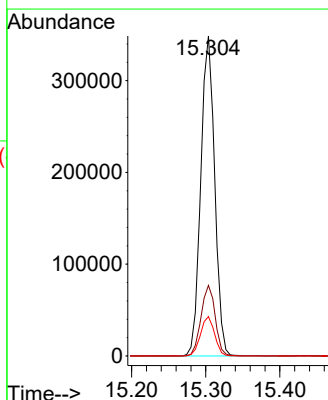
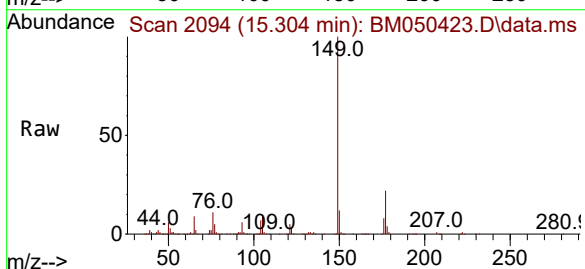
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

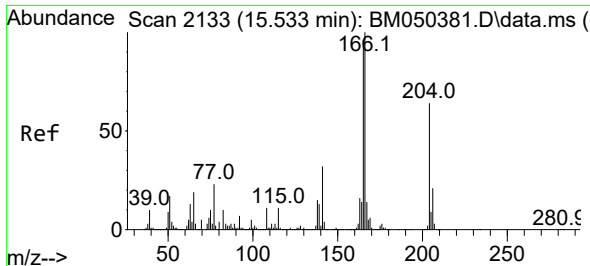
Tgt Ion:232 Resp: 119732
Ion Ratio Lower Upper
232 100
131 45.0 33.4 50.0
130 2.4 1.8 2.6
166 31.2 24.2 36.4



#60
Diethylphthalate
Concen: 8.262 ng
RT: 15.304 min Scan# 2094
Delta R.T. -0.012 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion:149 Resp: 455475
Ion Ratio Lower Upper
149 100
177 22.1 18.8 28.2
150 12.3 9.8 14.8

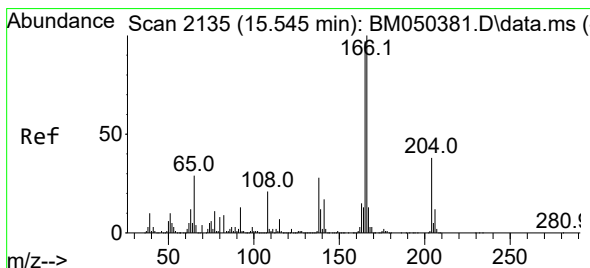
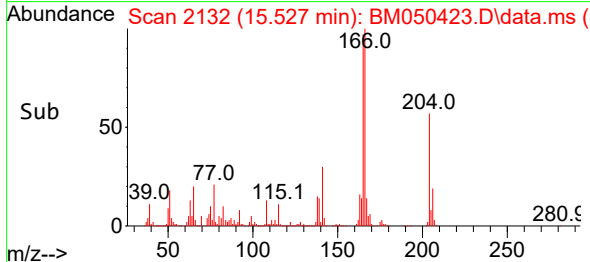
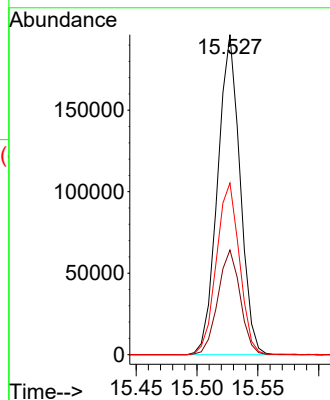
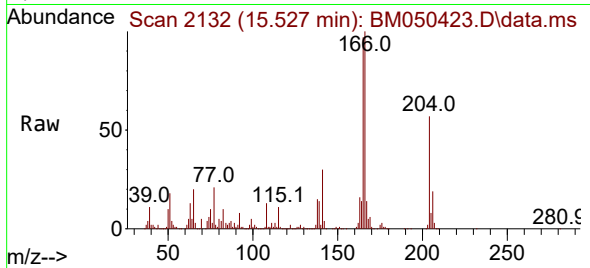




#61
4-Chlorophenyl-phenylether
Concen: 7.961 ng
RT: 15.527 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

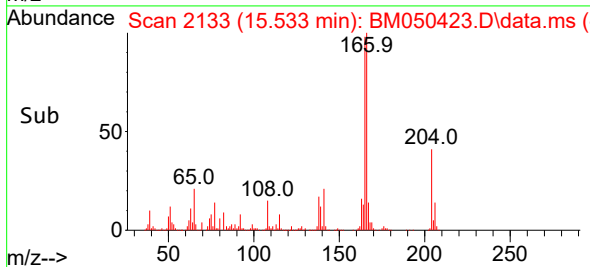
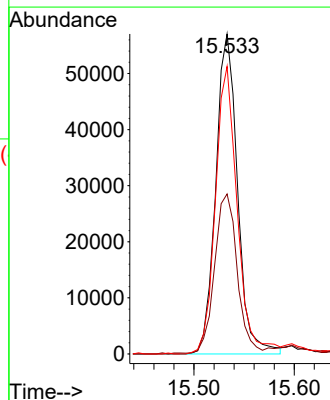
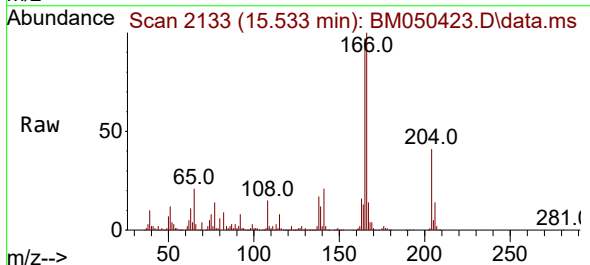
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

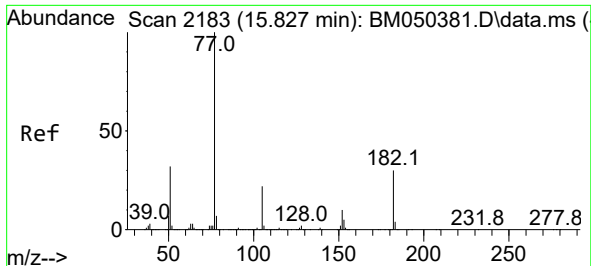
Tgt Ion:204 Resp: 251701
Ion Ratio Lower Upper
204 100
206 32.7 26.6 39.8
141 53.6 39.9 59.9



#62
4-Nitroaniline
Concen: 8.596 ng
RT: 15.533 min Scan# 2133
Delta R.T. -0.012 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion:138 Resp: 86054
Ion Ratio Lower Upper
138 100
92 50.0 24.5 64.5
108 89.9 52.5 92.5

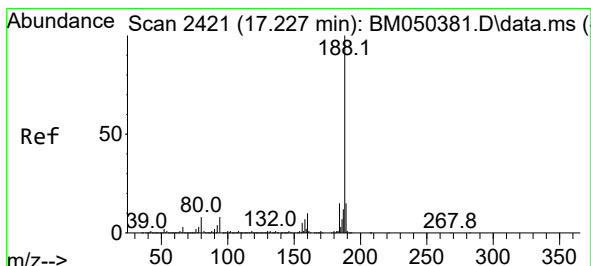
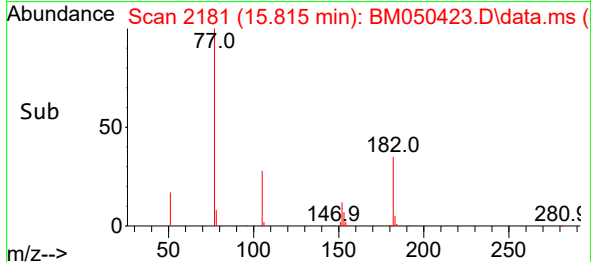
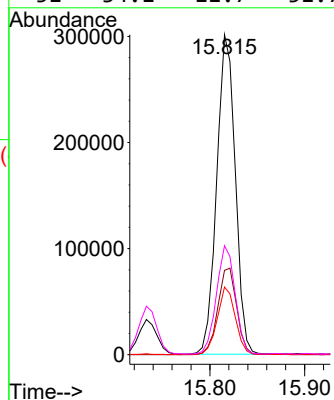
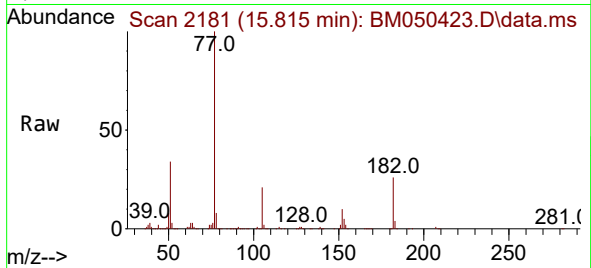




#63
Azobenzene
Concen: 8.114 ng
RT: 15.815 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

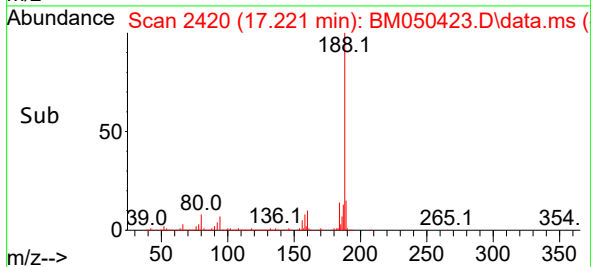
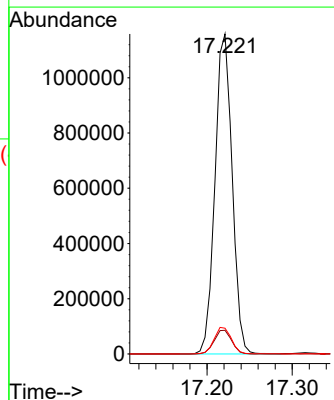
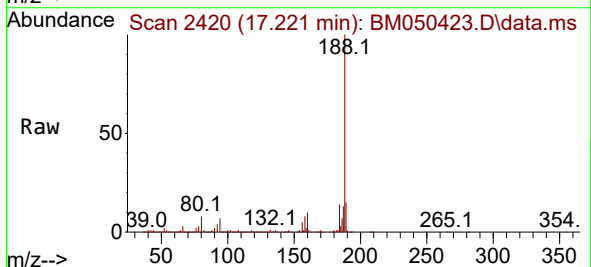
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

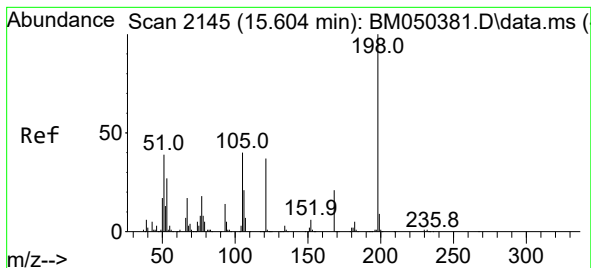
Tgt Ion: 77	Resp: 410740
Ion Ratio	Lower Upper
77 100	
182 26.3	10.0 50.0
105 21.2	2.0 42.0
51 34.1	11.7 51.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion:188	Resp: 1622704		
Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.0	9.0
80	8.0	6.5	9.7

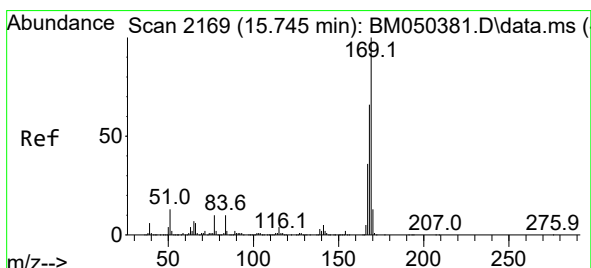
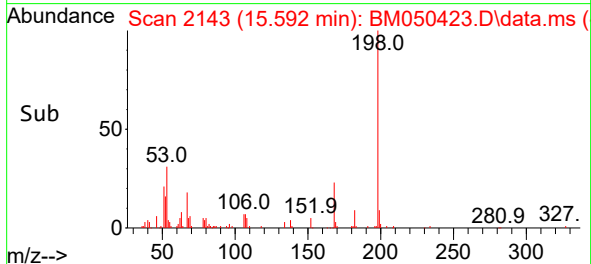
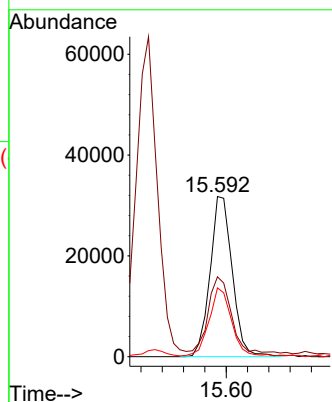
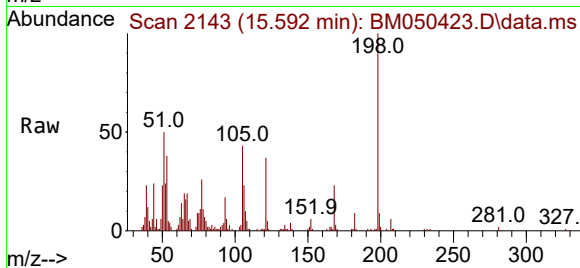




#65
4,6-Dinitro-2-methylphenol
Concen: 10.887 ng
RT: 15.592 min Scan# 2143
Delta R.T. -0.012 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

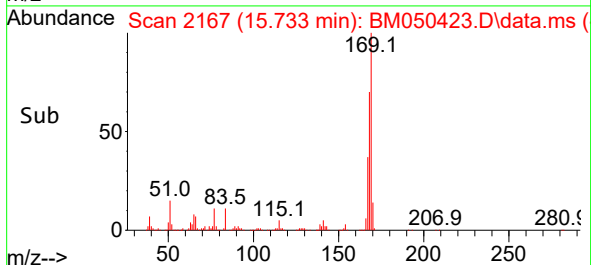
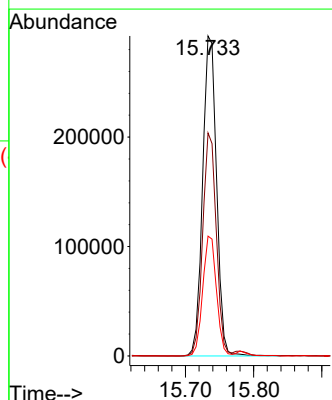
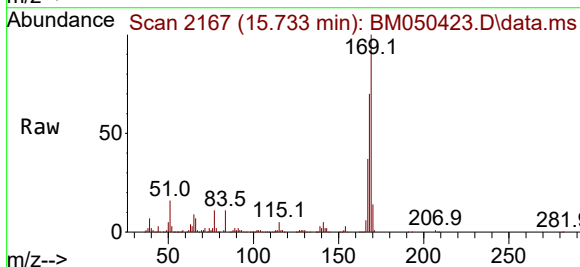
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

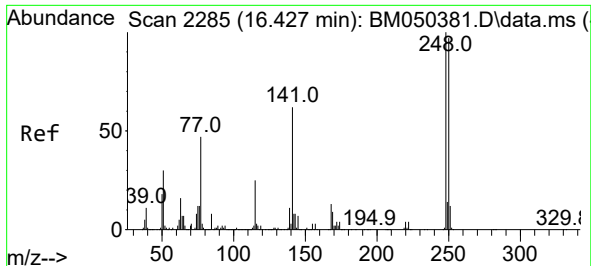
Tgt Ion	Ratio	Lower	Upper
198	100		
51	49.9	26.6	66.6
105	43.0	20.9	60.9



#66
n-Nitrosodiphenylamine
Concen: 8.186 ng
RT: 15.733 min Scan# 2167
Delta R.T. -0.012 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion	Ratio	Lower	Upper
169	100		
168	69.7	53.2	79.8
167	37.4	28.7	43.1

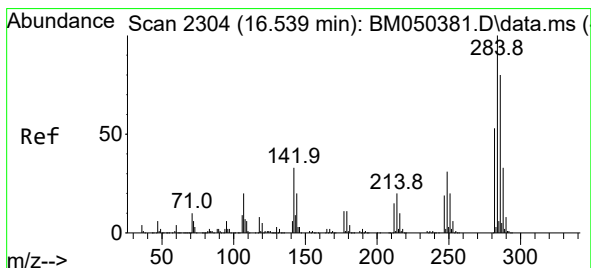
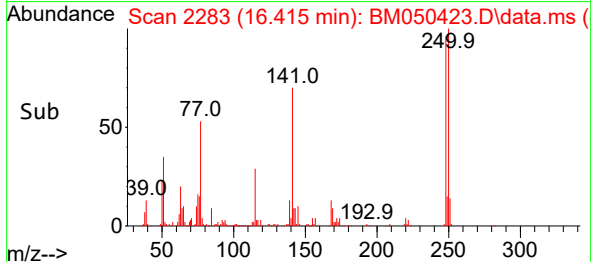
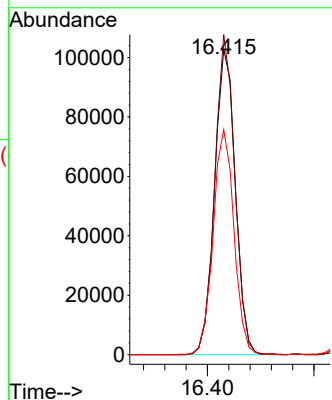
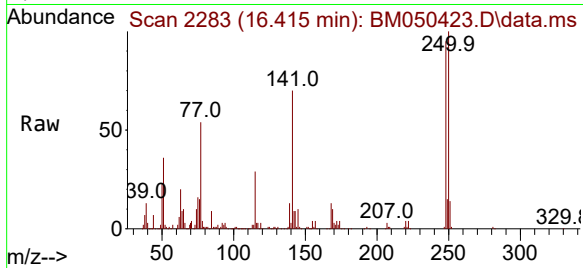




#67
4-Bromophenyl-phenylether
Concen: 7.780 ng
RT: 16.415 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

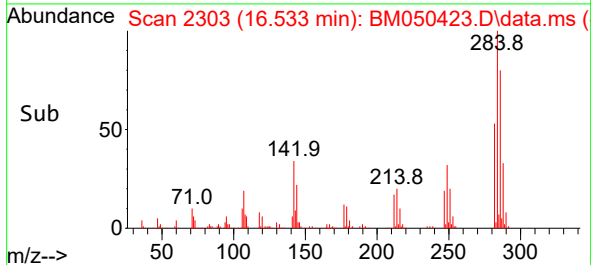
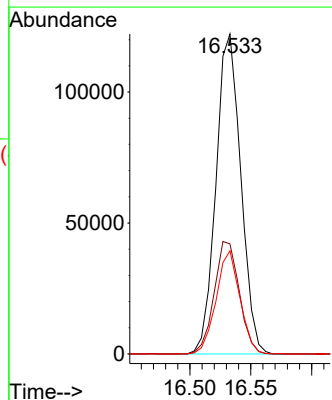
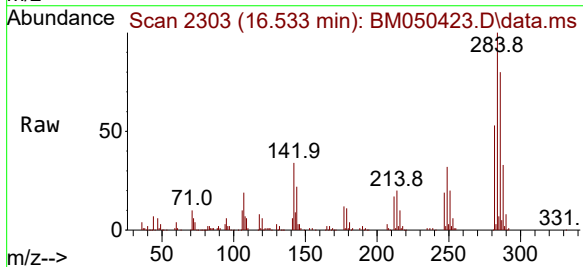
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2025

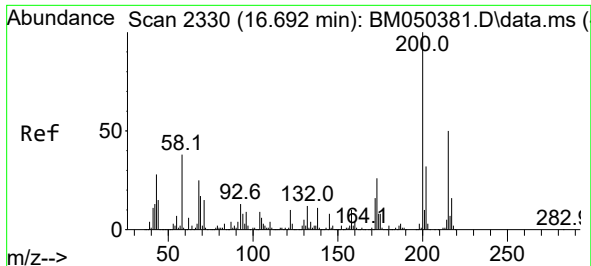
Tgt Ion:248 Resp: 139086
Ion Ratio Lower Upper
248 100
250 104.8 77.9 116.9
141 73.6 49.7 74.5



#68
Hexachlorobenzene
Concen: 8.200 ng
RT: 16.533 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BM050423.D
Acq: 14 Jul 2025 12:51

Tgt Ion:284 Resp: 173149
Ion Ratio Lower Upper
284 100
142 34.4 26.8 40.2
249 32.2 24.5 36.7

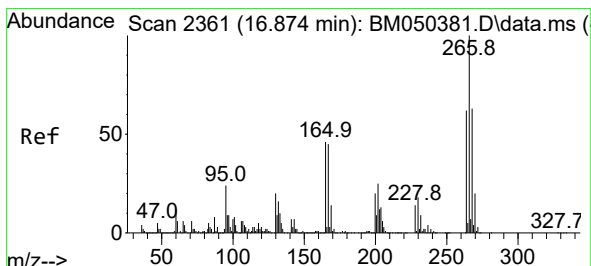
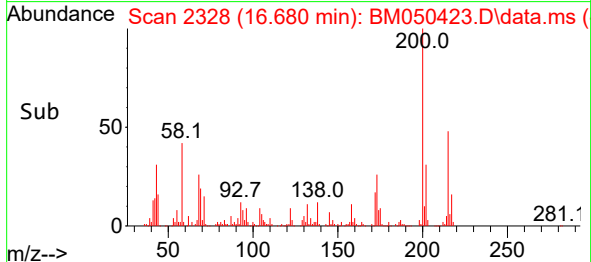
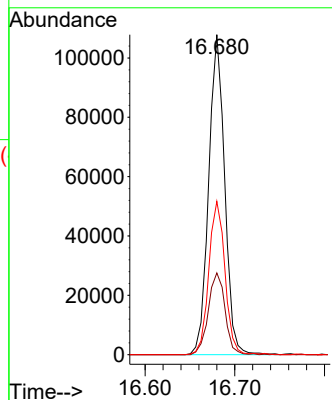
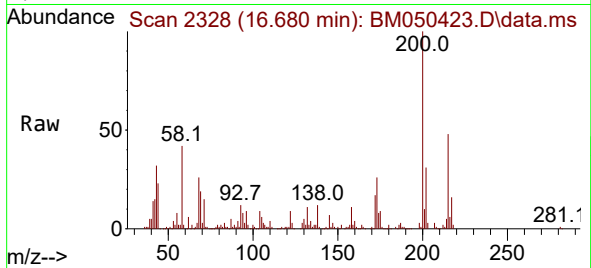




#69
 Atrazine
 Concen: 7.993 ng
 RT: 16.680 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050423.D
 Acq: 14 Jul 2025 12:51

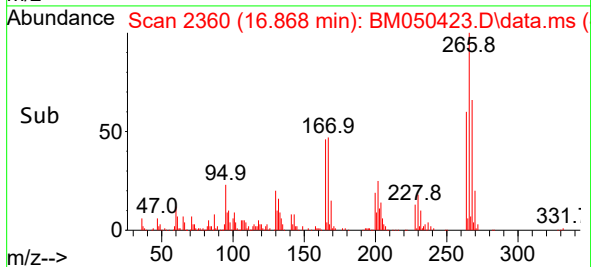
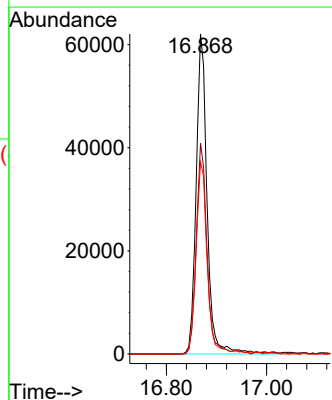
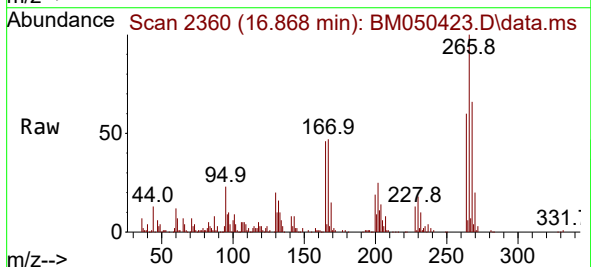
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

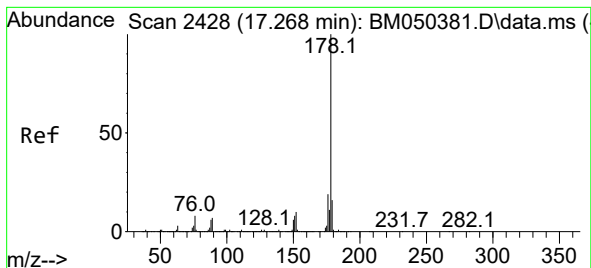
Tgt Ion:200 Resp: 133271
 Ion Ratio Lower Upper
 200 100
 173 25.6 5.6 45.6
 215 47.9 29.6 69.6



#70
 Pentachlorophenol
 Concen: 7.139 ng
 RT: 16.868 min Scan# 2360
 Delta R.T. -0.006 min
 Lab File: BM050423.D
 Acq: 14 Jul 2025 12:51

Tgt Ion:266 Resp: 93841
 Ion Ratio Lower Upper
 266 100
 268 65.8 50.5 75.7
 264 60.0 49.9 74.9





#71

Phenanthrene

Concen: 8.436 ng

RT: 17.262 min Scan# 2428

Delta R.T. -0.006 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

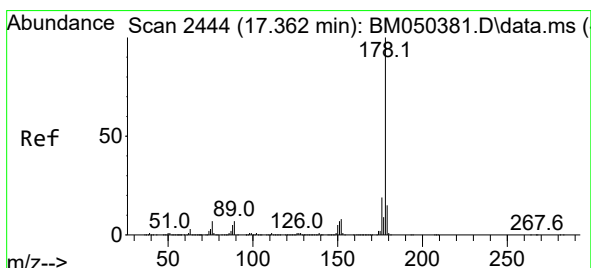
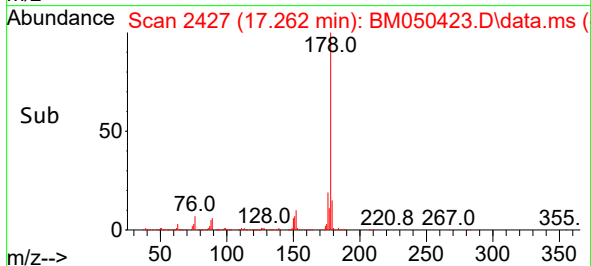
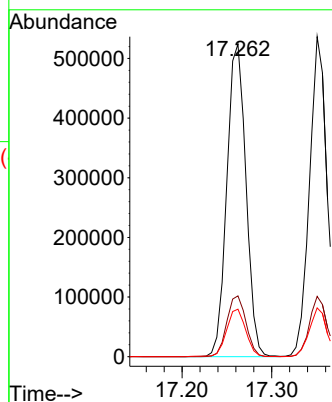
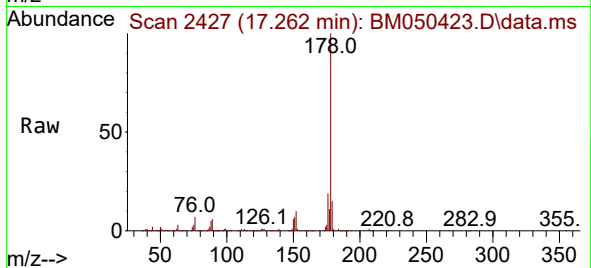
Tgt Ion:178 Resp: 774628

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 15.2 12.5 18.7



#72

Anthracene

Concen: 8.167 ng

RT: 17.351 min Scan# 2442

Delta R.T. -0.012 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

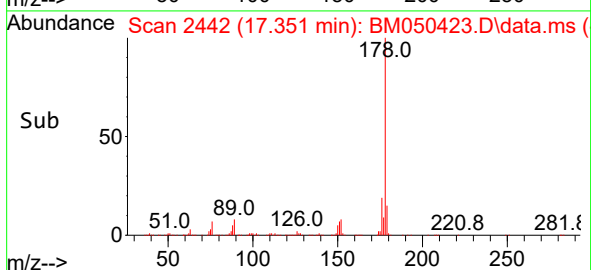
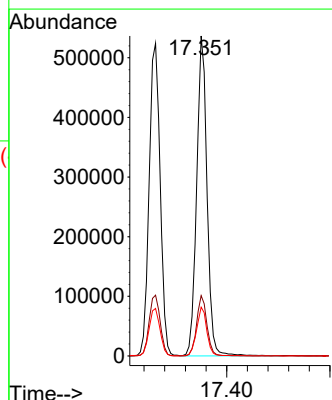
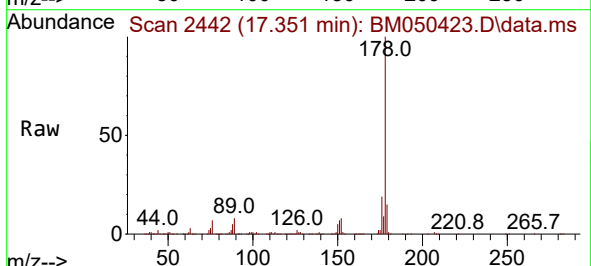
Tgt Ion:178 Resp: 746468

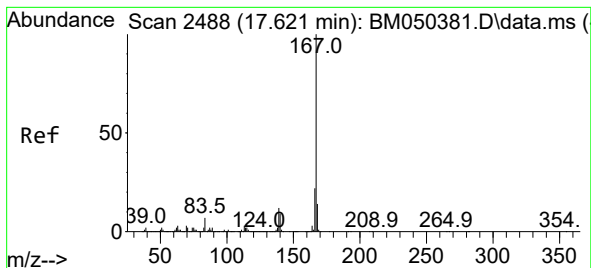
Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 15.3 12.2 18.4





#73

Carbazole

Concen: 8.429 ng

RT: 17.615 min Scan# 2488

Delta R.T. -0.006 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

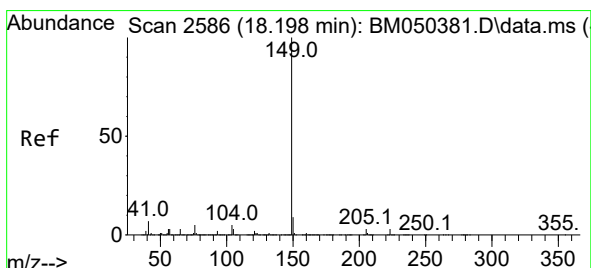
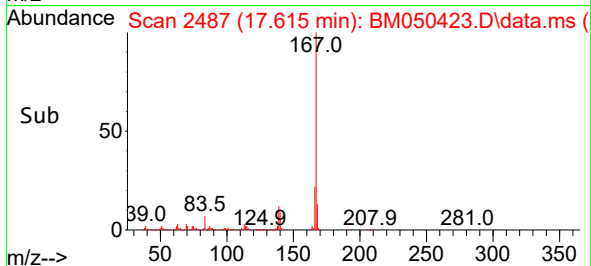
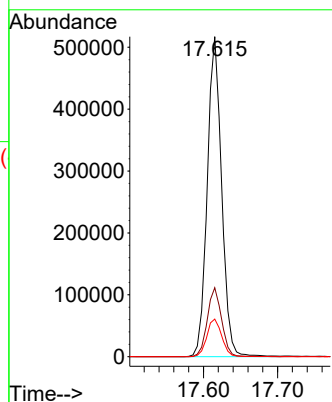
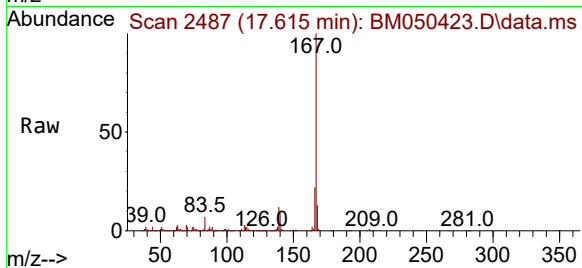
Tgt Ion:167 Resp: 697084

Ion Ratio Lower Upper

167 100

166 21.6 17.2 25.8

139 11.7 9.9 14.9



#74

Di-n-butylphthalate

Concen: 7.663 ng

RT: 18.186 min Scan# 2584

Delta R.T. -0.012 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

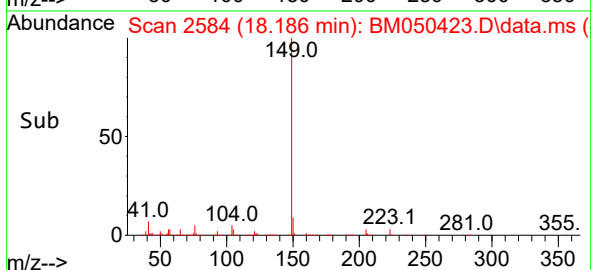
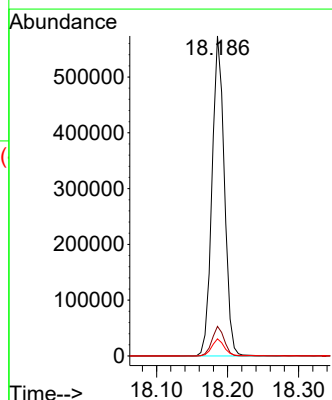
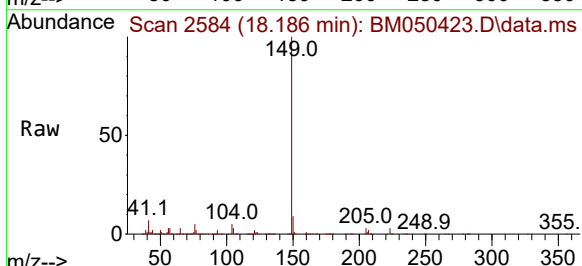
Tgt Ion:149 Resp: 693632

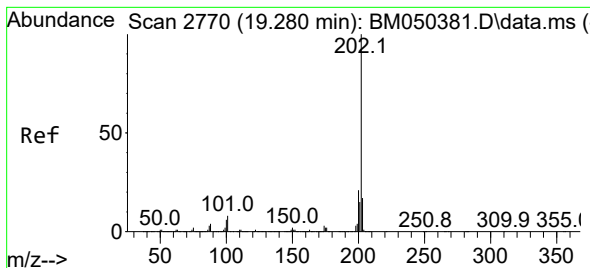
Ion Ratio Lower Upper

149 100

150 9.2 7.3 10.9

104 5.3 3.9 5.9





#75

Fluoranthene

Concen: 8.098 ng

RT: 19.268 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

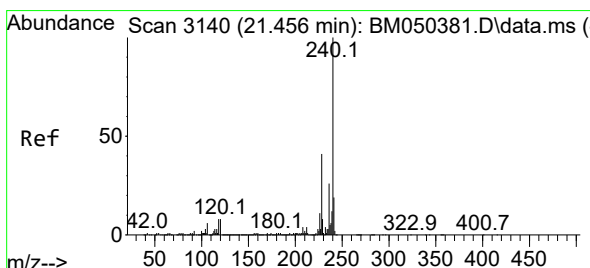
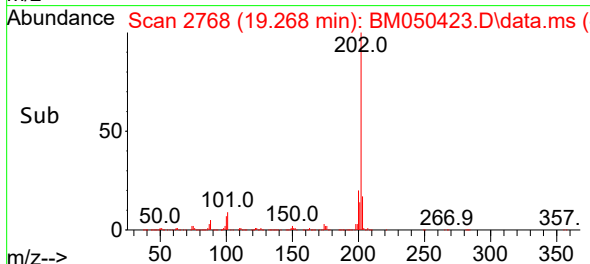
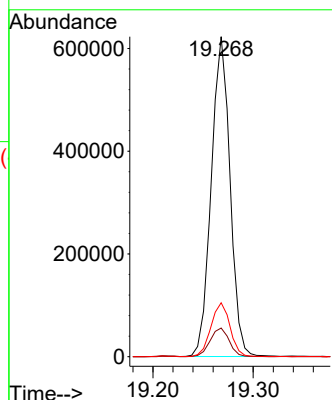
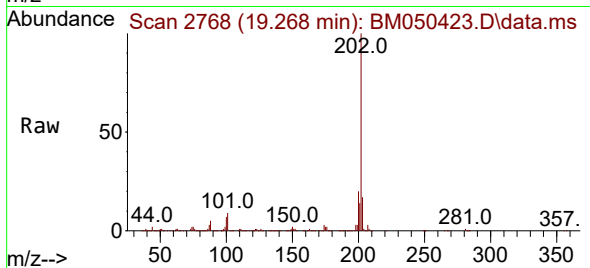
Tgt Ion:202 Resp: 808369

Ion Ratio Lower Upper

202 100

101 8.9 0.0 28.3

203 16.8 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.444 min Scan# 3138

Delta R.T. -0.012 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

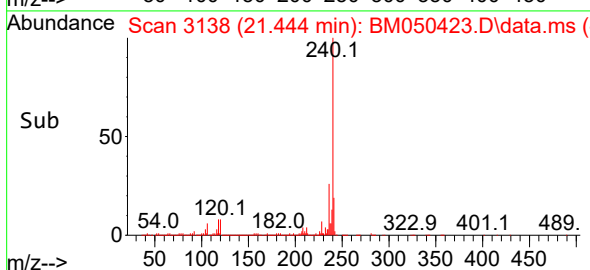
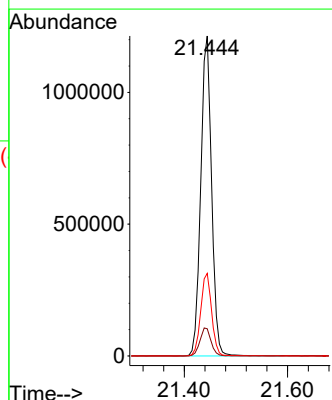
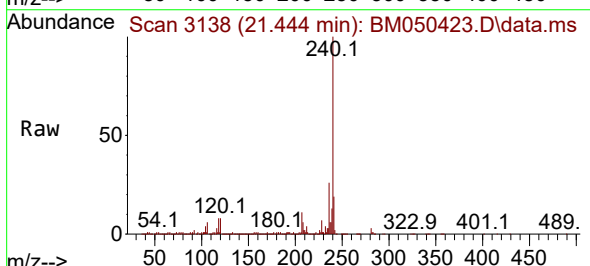
Tgt Ion:240 Resp: 1764203

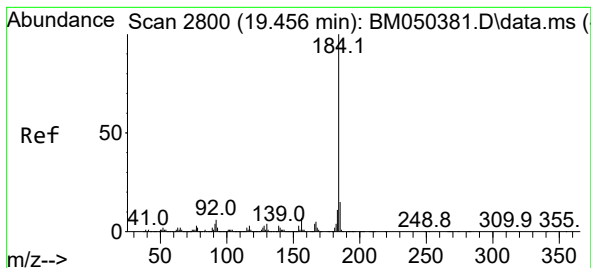
Ion Ratio Lower Upper

240 100

120 8.5 6.7 10.1

236 25.8 20.7 31.1





#77

Benzidine

Concen: 8.117 ng

RT: 19.445 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

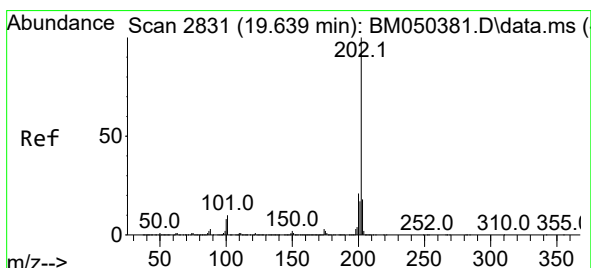
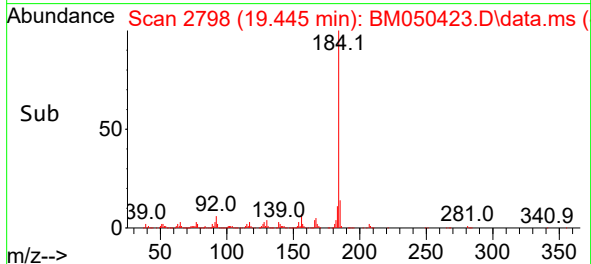
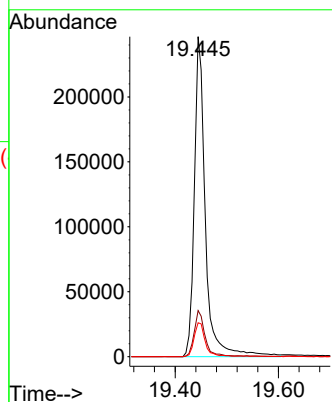
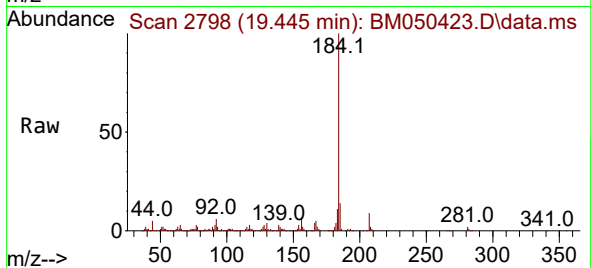
Tgt Ion:184 Resp: 365271

Ion Ratio Lower Upper

184 100

185 14.4 11.7 17.5

183 10.6 9.0 13.6



#78

Pyrene

Concen: 7.742 ng

RT: 19.627 min Scan# 2829

Delta R.T. -0.012 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

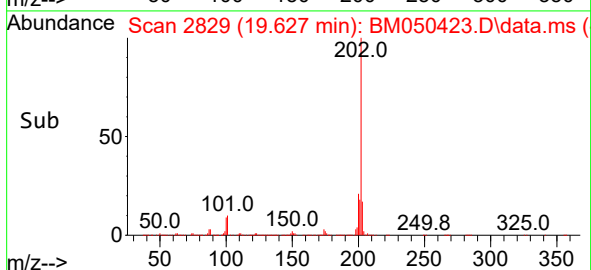
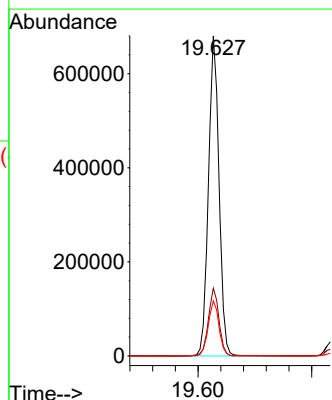
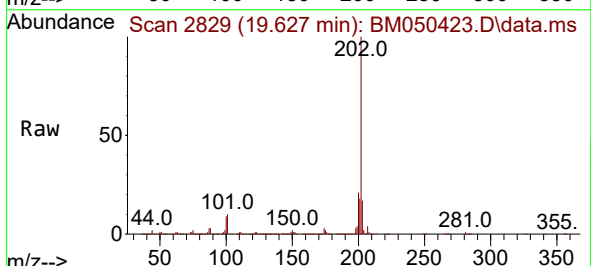
Tgt Ion:202 Resp: 874716

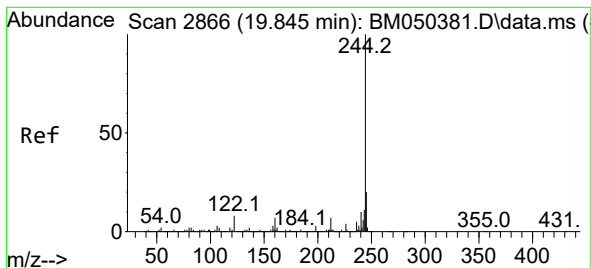
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.2 14.1 21.1





#79

Terphenyl-d14

Concen: 102.955 ng

RT: 19.833 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

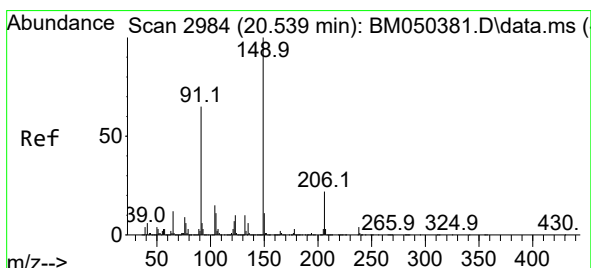
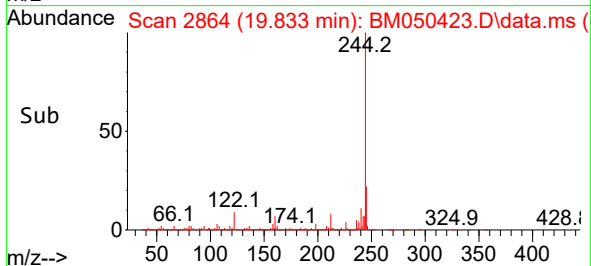
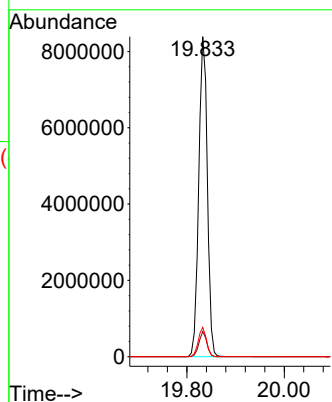
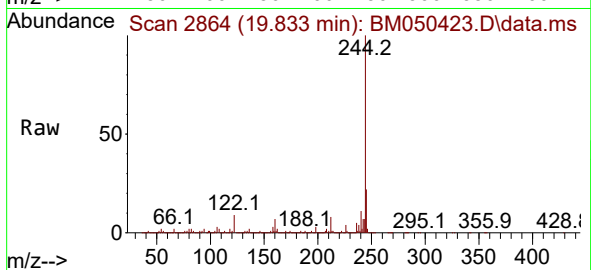
Tgt Ion:244 Resp:10323244

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

122 9.2 6.2 9.2



#80

Butylbenzylphthalate

Concen: 7.614 ng

RT: 20.527 min Scan# 2982

Delta R.T. -0.012 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

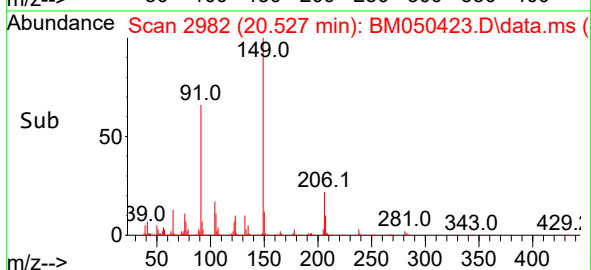
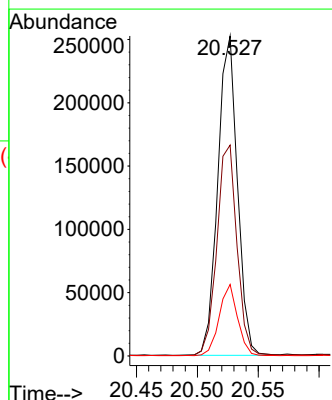
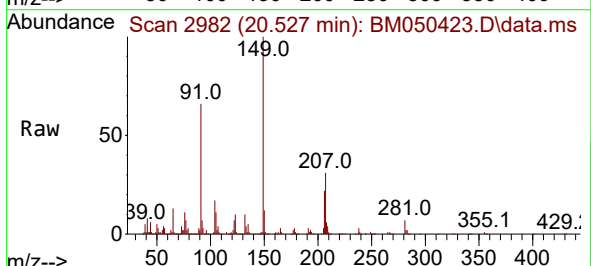
Tgt Ion:149 Resp: 283678

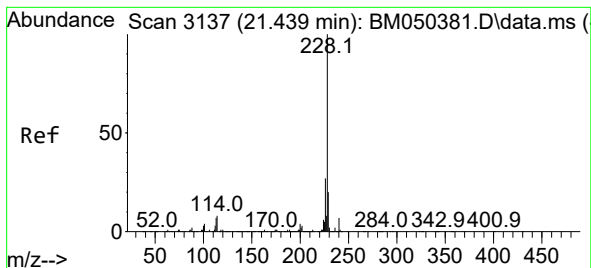
Ion Ratio Lower Upper

149 100

91 65.9 51.6 77.4

206 22.3 17.8 26.8





#81

Benzo(a)anthracene

Concen: 8.112 ng

RT: 21.427 min Scan# 3137

Delta R.T. -0.012 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

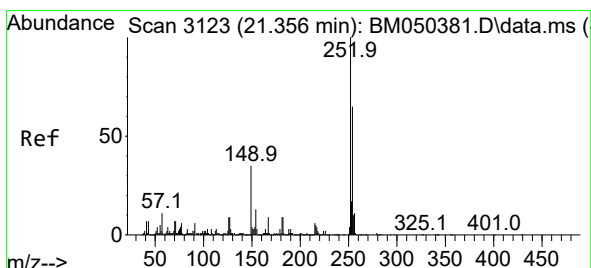
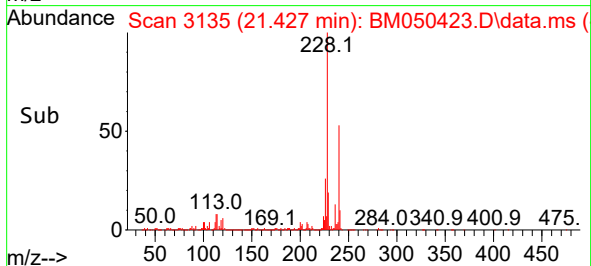
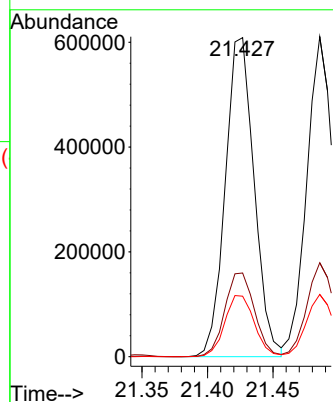
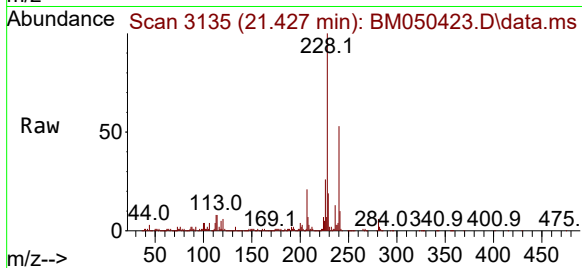
Tgt Ion:228 Resp: 932515

Ion Ratio Lower Upper

228 100

226 26.2 21.8 32.8

229 19.0 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 7.359 ng

RT: 21.344 min Scan# 3121

Delta R.T. -0.012 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

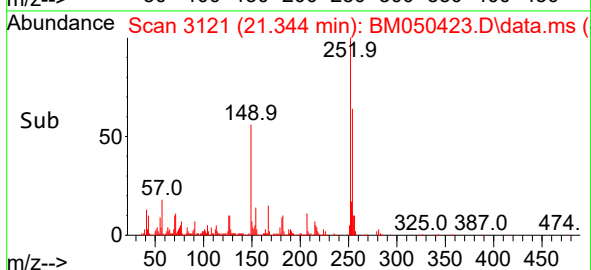
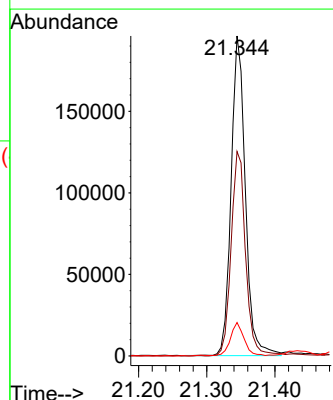
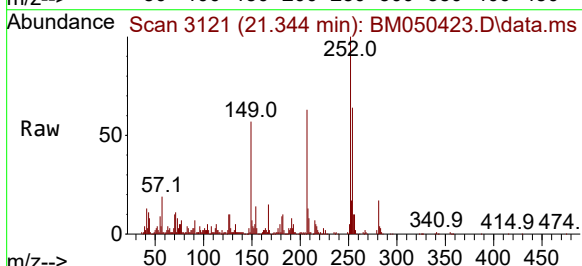
Tgt Ion:252 Resp: 285286

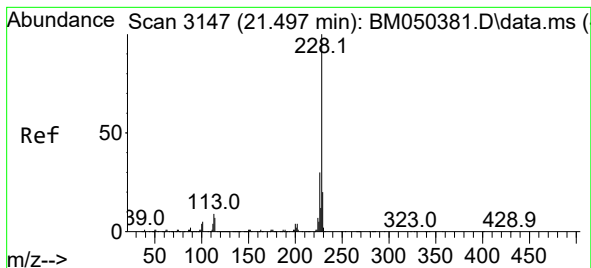
Ion Ratio Lower Upper

252 100

254 63.9 51.7 77.5

126 10.5 7.3 10.9





#83

Chrysene

Concen: 8.205 ng

RT: 21.486 min Scan# 3145

Delta R.T. -0.012 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

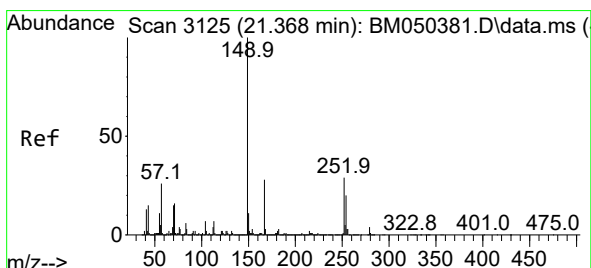
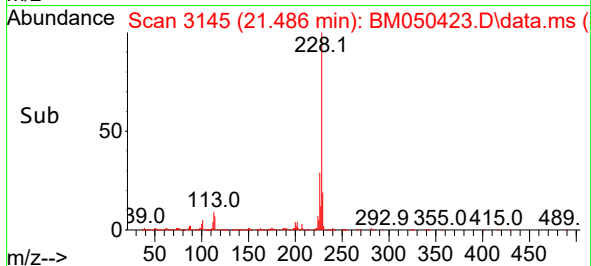
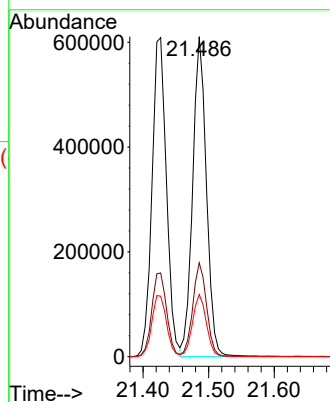
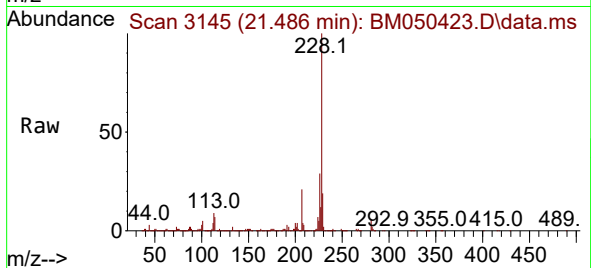
Tgt Ion:228 Resp: 889573

Ion Ratio Lower Upper

228 100

226 29.4 24.2 36.4

229 19.4 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.849 ng

RT: 21.356 min Scan# 3123

Delta R.T. -0.012 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

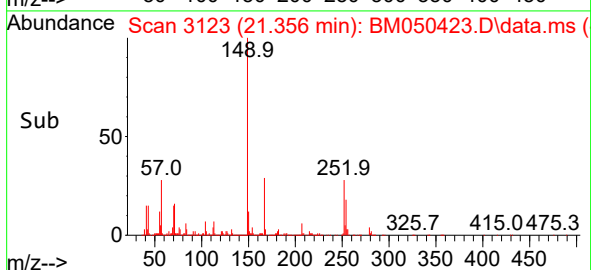
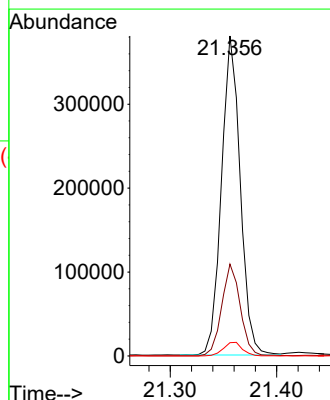
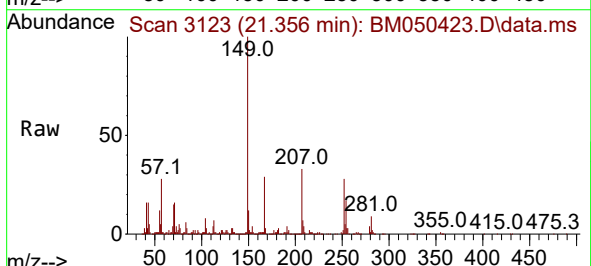
Tgt Ion:149 Resp: 464190

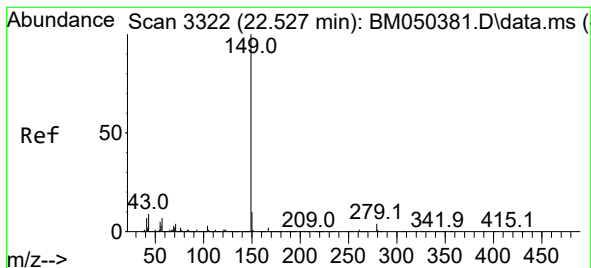
Ion Ratio Lower Upper

149 100

167 28.7 22.7 34.1

279 4.2 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 7.590 ng

RT: 22.503 min Scan# 31

Delta R.T. -0.024 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

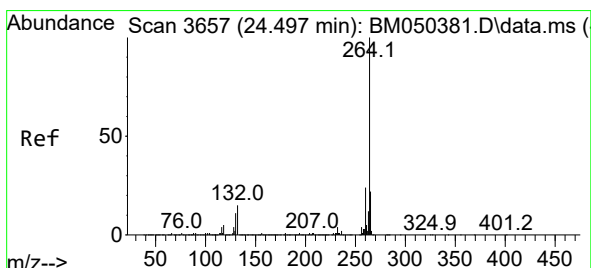
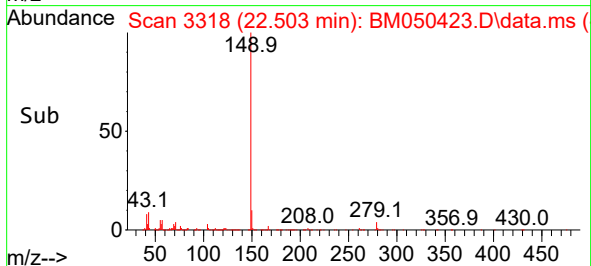
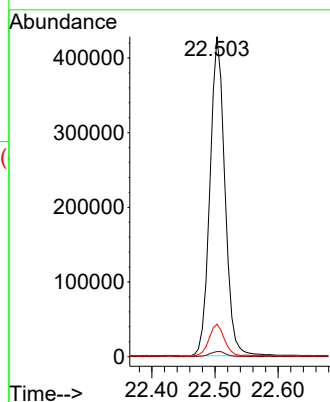
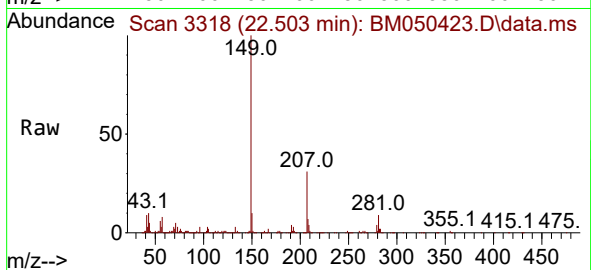
Tgt Ion:149 Resp: 703104

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 10.3 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.474 min Scan# 3653

Delta R.T. -0.024 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

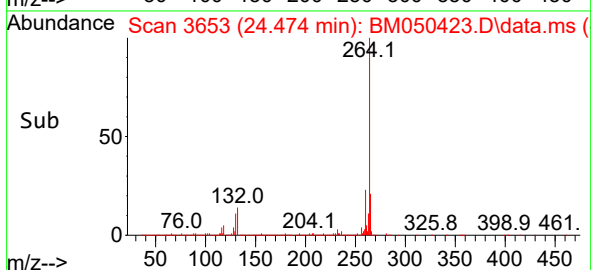
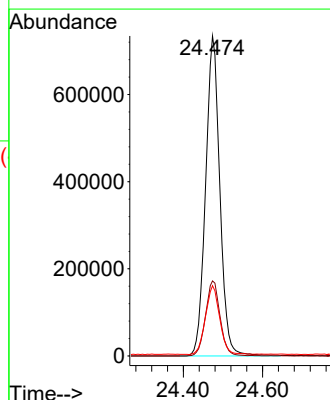
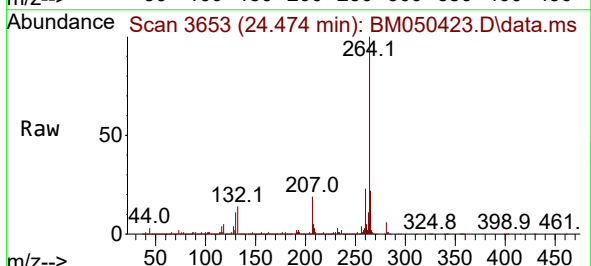
Tgt Ion:264 Resp: 1832536

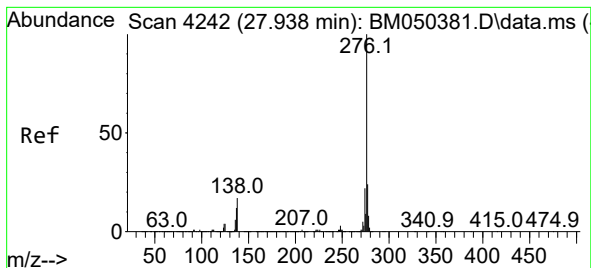
Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.0 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.130 ng

RT: 27.897 min Scan# 41

Delta R.T. -0.041 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

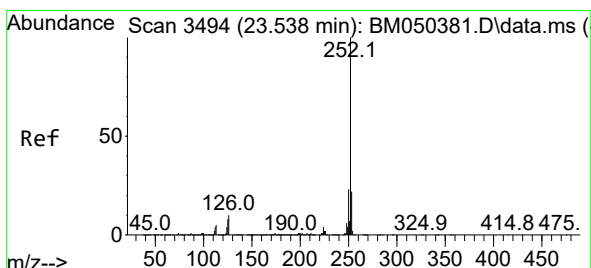
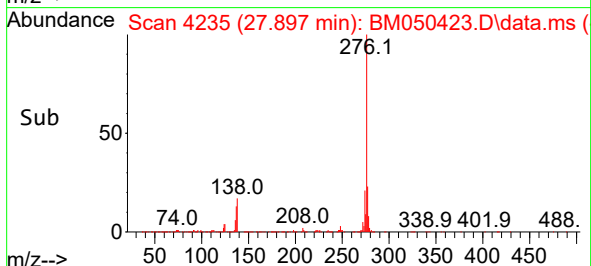
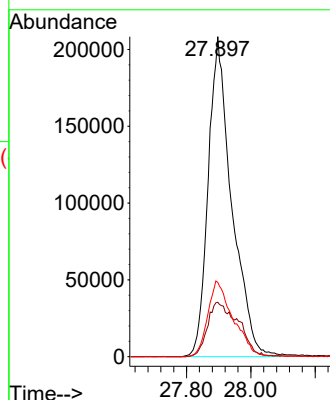
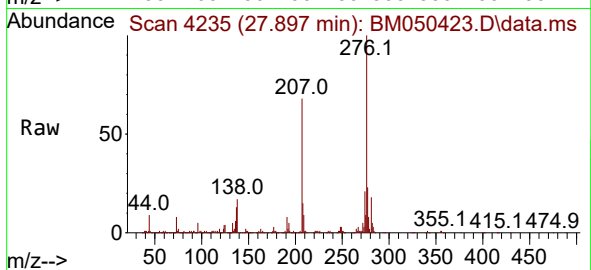
Tgt Ion:276 Resp: 1059265

Ion Ratio Lower Upper

276 100

138 22.3 17.0 25.6

277 25.4 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 7.780 ng

RT: 23.515 min Scan# 3490

Delta R.T. -0.024 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

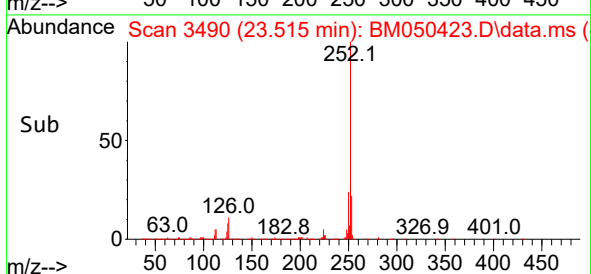
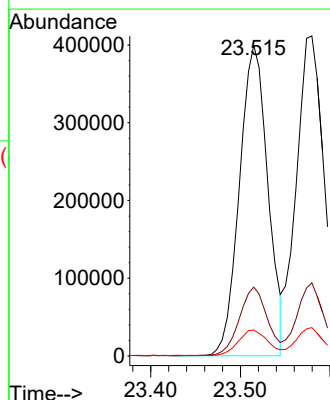
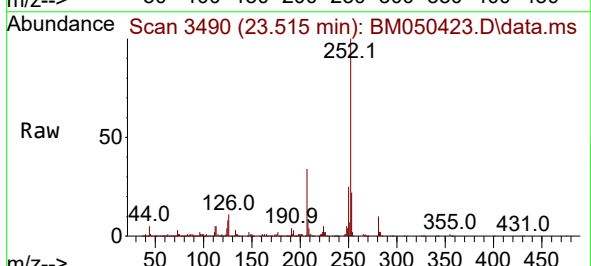
Tgt Ion:252 Resp: 876928

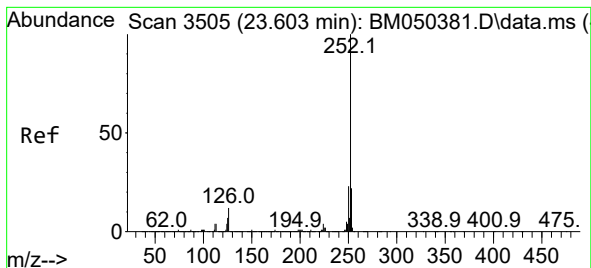
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 8.4 6.3 9.5





#89

Benzo(k)fluoranthene

Concen: 7.829 ng

RT: 23.580 min Scan# 3

Delta R.T. -0.024 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

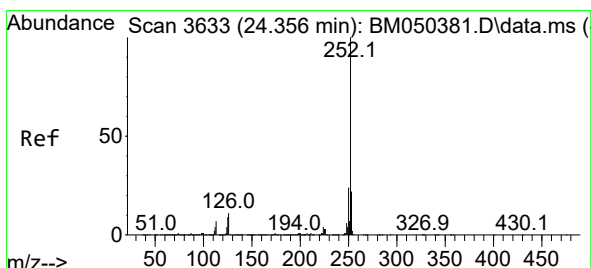
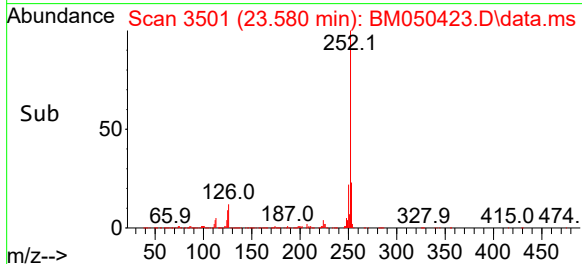
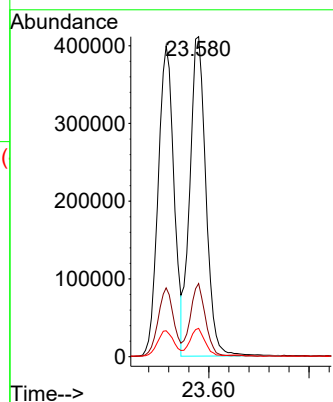
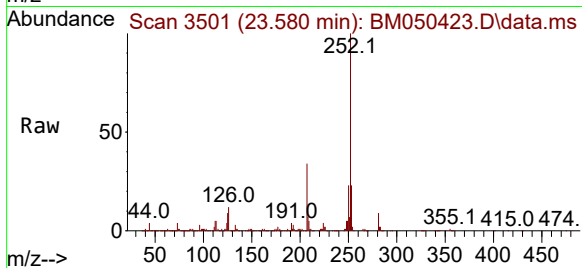
Tgt Ion:252 Resp: 915657

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 8.9 6.2 9.2



#90

Benzo(a)pyrene

Concen: 7.754 ng

RT: 24.327 min Scan# 3628

Delta R.T. -0.029 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

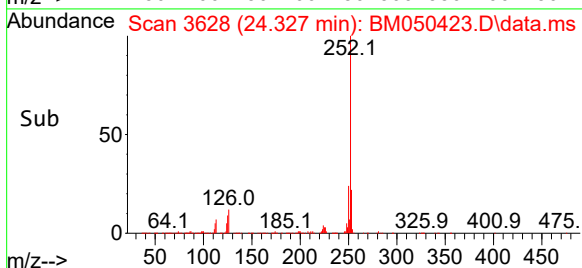
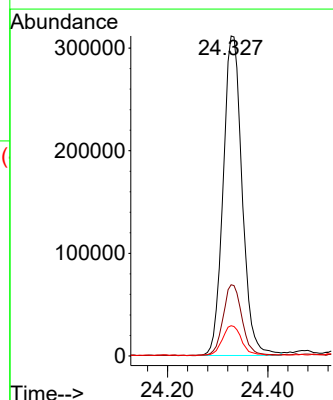
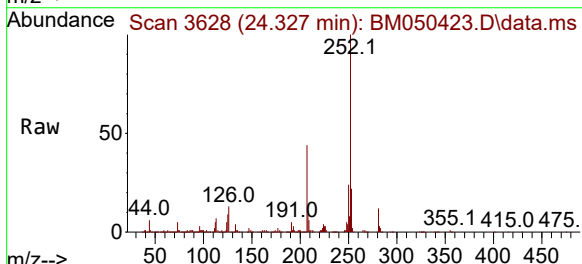
Tgt Ion:252 Resp: 818163

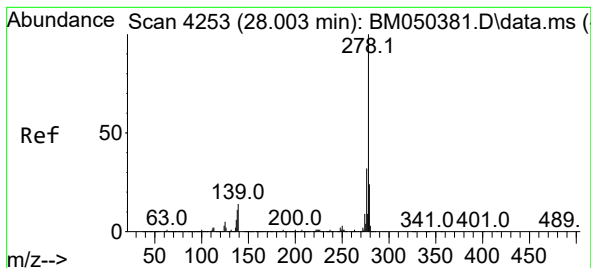
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 9.4 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 8.100 ng

RT: 27.962 min Scan# 41

Delta R.T. -0.041 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2025

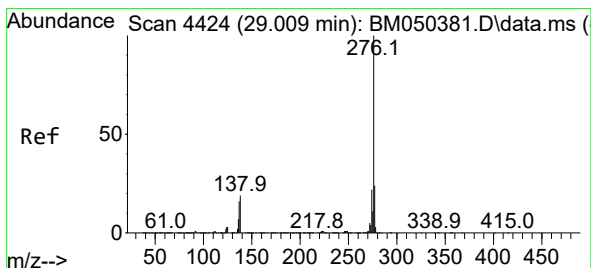
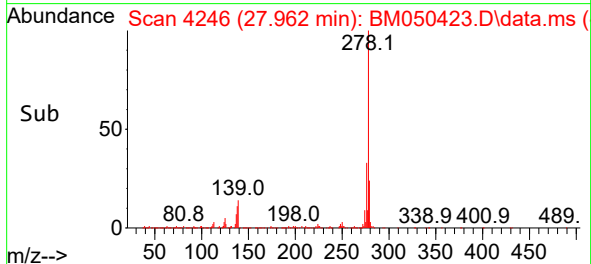
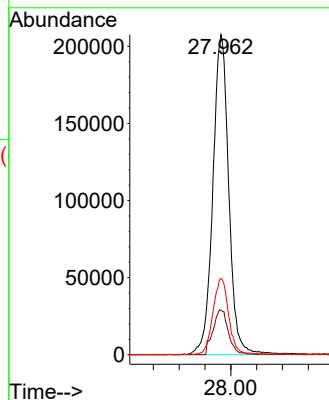
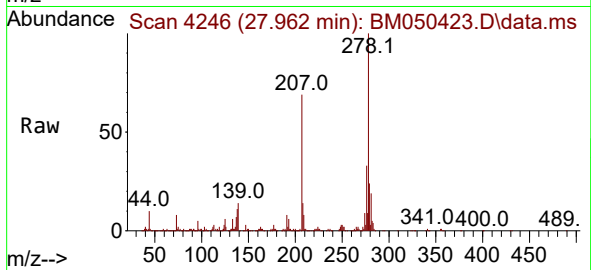
Tgt Ion:278 Resp: 888785

Ion Ratio Lower Upper

278 100

139 13.9 10.8 16.2

279 23.9 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 8.287 ng

RT: 28.956 min Scan# 4415

Delta R.T. -0.053 min

Lab File: BM050423.D

Acq: 14 Jul 2025 12:51

Tgt Ion:276 Resp: 859446

Ion Ratio Lower Upper

276 100

277 23.3 19.1 28.7

138 18.4 14.9 22.3

