

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071125\
 Data File : BM050407.D
 Acq On : 11 Jul 2025 10:59
 Operator : RC/JU
 Sample : Q2126-02
 Misc : LOQ-SOIL-5 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Quant Time: Jul 11 11:38:42 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	436693	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1613825	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	1006200	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1845780	20.000	ng	0.00
76) Chrysene-d12	21.450	240	1742549	20.000	ng	0.00
86) Perylene-d12	24.486	264	1751119	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	2906402	114.562	ng	0.00
7) Phenol-d6	7.022	99	3712636	116.088	ng	0.00
23) Nitrobenzene-d5	9.016	82	2339734	73.966	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1451621	118.738	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	5987659	73.488	ng	0.00
79) Terphenyl-d14	19.839	244	8874607	89.607	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.334	88	42906	4.113	ng	98
3) Pyridine	3.740	79	109883	4.012	ng	97
4) n-Nitrosodimethylamine	3.640	42	50462	3.952	ng	# 91
6) Aniline	7.187	93	160287	3.905	ng	100
8) 2-Chlorophenol	7.428	128	115681	4.324	ng	99
9) Benzaldehyde	6.998	77	98047	5.154	ng	99
10) Phenol	7.046	94	137856	4.133	ng	92
11) bis(2-Chloroethyl)ether	7.281	93	106215	3.976	ng	99
12) 1,3-Dichlorobenzene	7.751	146	135649	4.170	ng	98
13) 1,4-Dichlorobenzene	7.898	146	138640	4.174	ng	99
14) 1,2-Dichlorobenzene	8.216	146	131092	4.123	ng	97
15) Benzyl Alcohol	8.098	79	84200	3.737	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.392	45	159639	4.057	ng	99
17) 2-Methylphenol	8.298	107	80441	3.718	ng	97
18) Hexachloroethane	8.951	117	46448	3.976	ng	96
19) n-Nitroso-di-n-propyla...	8.663	70	72620	3.748	ng	98
20) 3+4-Methylphenols	8.622	107	102536	3.530	ng	99
22) Acetophenone	8.681	105	162652	4.031	ng	# 98
24) Nitrobenzene	9.057	77	124607	4.414	ng	96
25) Isophorone	9.587	82	186760	3.638	ng	99
26) 2-Nitrophenol	9.769	139	36515	3.174	ng	# 86
27) 2,4-Dimethylphenol	9.828	122	93602	3.824	ng	98
28) bis(2-Chloroethoxy)met...	10.069	93	131631	3.870	ng	96
29) 2,4-Dichlorophenol	10.304	162	89899	3.575	ng	98
30) 1,2,4-Trichlorobenzene	10.522	180	123602	4.108	ng	99
31) Naphthalene	10.710	128	335828	4.097	ng	98
32) Benzoic acid	9.875	122	27485	7.576	ng	93
33) 4-Chloroaniline	10.810	127	129585	3.739	ng	98
34) Hexachlorobutadiene	11.004	225	74003	4.030	ng	96
35) Caprolactam	11.563	113	19121	2.785	ng	# 90
36) 4-Chloro-3-methylphenol	11.928	107	79289	3.376	ng	97
37) 2-Methylnaphthalene	12.322	142	199338	3.851	ng	97
38) 1-Methylnaphthalene	12.539	142	215489	3.934	ng	99
40) 1,2,4,5-Tetrachloroben...	12.686	216	126161	3.943	ng	99
41) Hexachlorocyclopentadiene	12.675	237	62569	3.059	ng	97
43) 2,4,6-Trichlorophenol	12.922	196	65534	3.327	ng	94

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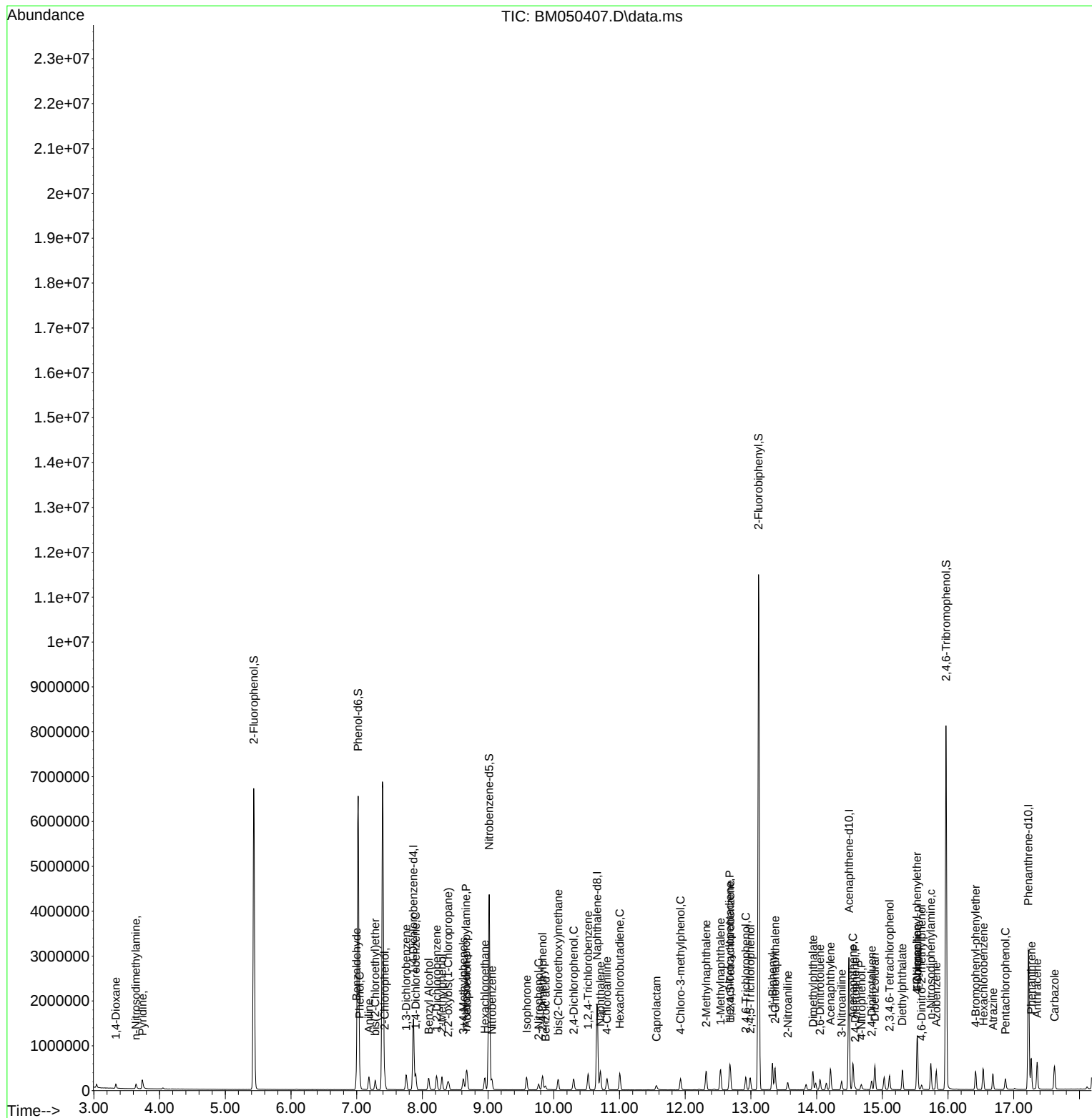
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.992	196	73994	3.440	ng	97
46) 1,1'-Biphenyl	13.327	154	307080	4.113	ng	99
47) 2-Chloronaphthalene	13.369	162	245824	4.130	ng	99
48) 2-Nitroaniline	13.563	65	40360	3.038	ng	94
49) Acenaphthylene	14.210	152	334058	3.714	ng	98
50) Dimethylphthalate	13.945	163	268058	3.870	ng	99
51) 2,6-Dinitrotoluene	14.051	165	43461	3.268	ng	92
52) Acenaphthene	14.551	154	219275	3.834	ng	97
53) 3-Nitroaniline	14.380	138	43451	3.072	ng #	94
54) 2,4-Dinitrophenol	14.586	184	12515	7.976	ng	94
55) Dibenzofuran	14.886	168	353703	4.014	ng	99
56) 4-Nitrophenol	14.680	139	29222	2.402	ng	96
57) 2,4-Dinitrotoluene	14.839	165	46798	4.941	ng #	89
58) Fluorene	15.533	166	271404	3.739	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.110	232	59170	3.268	ng	96
60) Diethylphthalate	15.304	149	240967	3.641	ng	100
61) 4-Chlorophenyl-phenyle...	15.527	204	137044	3.611	ng	92
62) 4-Nitroaniline	15.533	138	37296	4.757	ng	94
63) Azobenzene	15.821	77	210422	3.463	ng	97
65) 4,6-Dinitro-2-methylph...	15.598	198	18742	7.943	ng	91
66) n-Nitrosodiphenylamine	15.739	169	219487	3.800	ng	99
67) 4-Bromophenyl-phenylether	16.421	248	75934	3.734	ng	97
68) Hexachlorobenzene	16.539	284	95935	3.994	ng	96
69) Atrazine	16.686	200	62521	3.297	ng	100
70) Pentachlorophenol	16.874	266	42794	2.862	ng	99
71) Phenanthrene	17.268	178	416893	3.992	ng	99
72) Anthracene	17.357	178	378486	3.641	ng	99
73) Carbazole	17.621	167	338749	3.601	ng	99
74) Di-n-butylphthalate	18.192	149	325326	3.160	ng	99
75) Fluoranthene	19.274	202	393607	3.467	ng	98
77) Benzidine	19.451	184	129250	2.908	ng	99
78) Pyrene	19.633	202	422615	3.787	ng	99
80) Butylbenzylphthalate	20.533	149	110947	3.015	ng	97
81) Benzo(a)anthracene	21.433	228	432897	3.813	ng	99
82) 3,3'-Dichlorobenzidine	21.350	252	113738	2.970	ng	93
83) Chrysene	21.492	228	421299	3.934	ng	98
84) Bis(2-ethylhexyl)phtha...	21.362	149	173784	2.975	ng	96
85) Di-n-octyl phthalate	22.515	149	220671	2.412	ng #	97
87) Indeno(1,2,3-cd)pyrene	27.909	276	434027	3.486	ng #	94
88) Benzo(b)fluoranthene	23.521	252	387766	3.600	ng	98
89) Benzo(k)fluoranthene	23.586	252	390612	3.495	ng	97
90) Benzo(a)pyrene	24.339	252	338014	3.352	ng	98
91) Dibenzo(a,h)anthracene	27.974	278	366989	3.500	ng	98
92) Benzo(g,h,i)perylene	28.974	276	360081	3.634	ng	99

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

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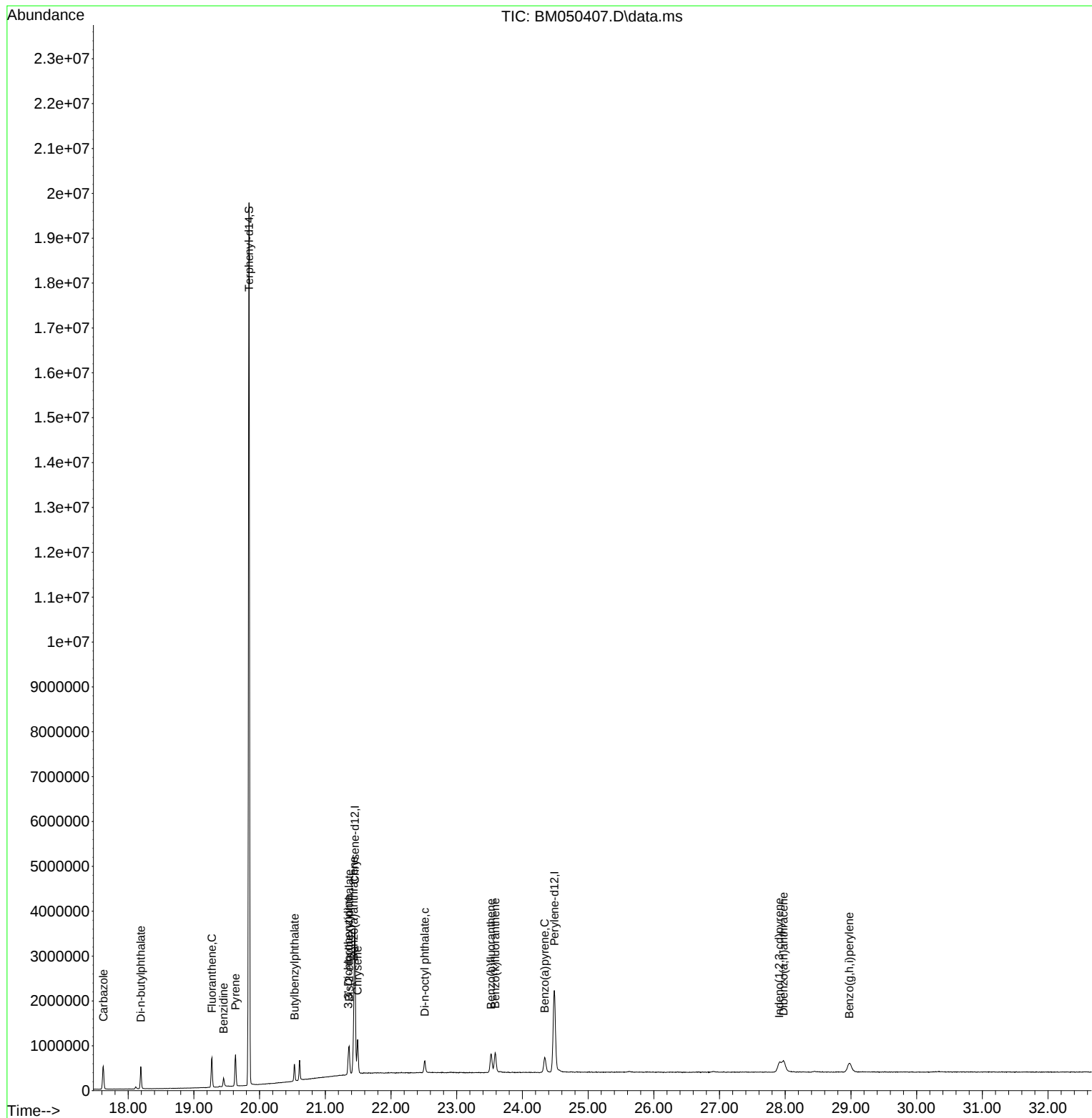
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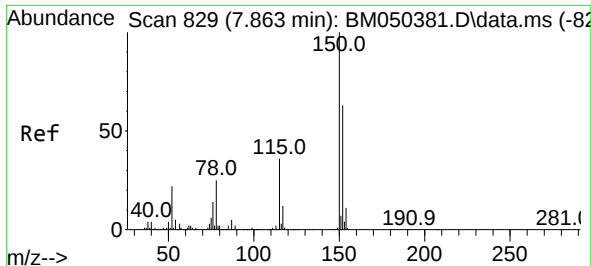


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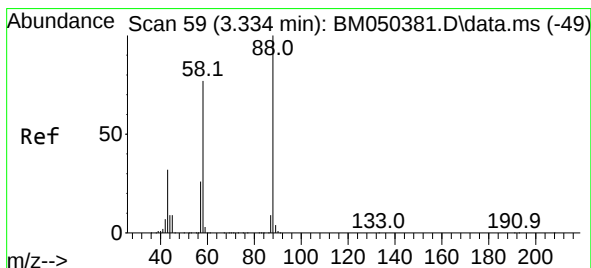
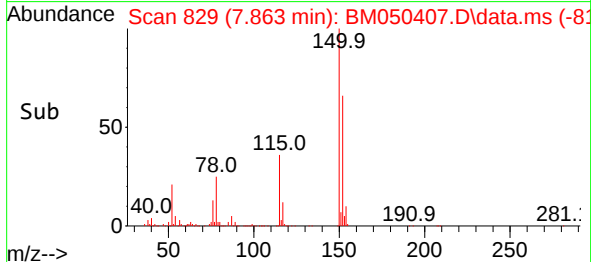
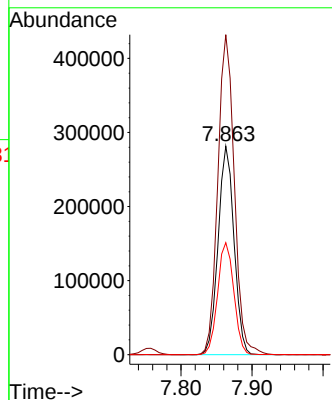
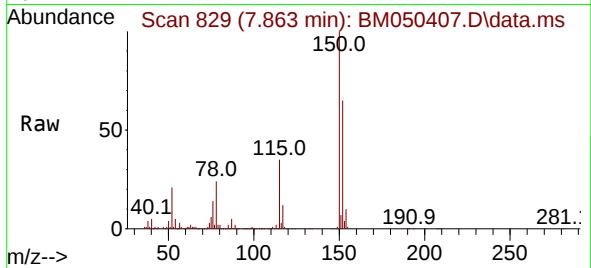




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 829
 Delta R.T. 0.000 min
 Lab File: BM050407.D
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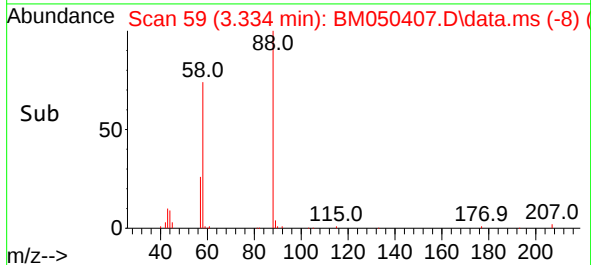
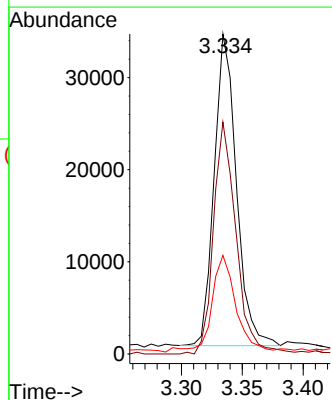
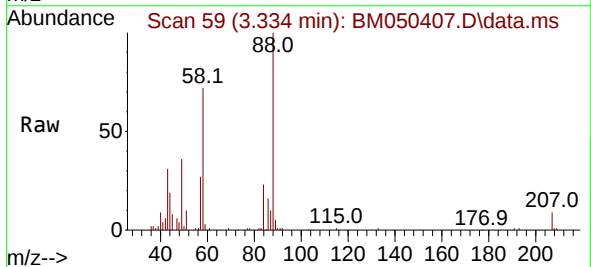
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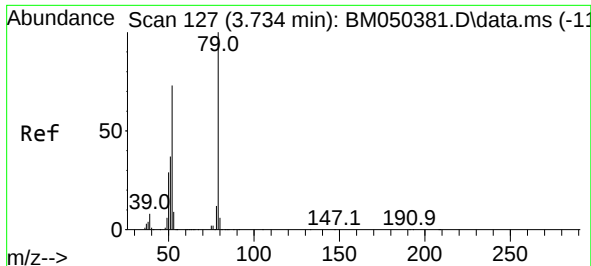
Tgt Ion:152 Resp: 436693
 Ion Ratio Lower Upper
 152 100
 150 153.4 126.2 189.4
 115 53.7 45.8 68.8



#2
 1,4-Dioxane
 Concen: 4.113 ng
 RT: 3.334 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: BM050407.D
 Acq: 11 Jul 2025 10:59

Tgt Ion: 88 Resp: 42906
 Ion Ratio Lower Upper
 88 100
 58 75.5 61.0 91.6
 43 33.6 24.6 37.0

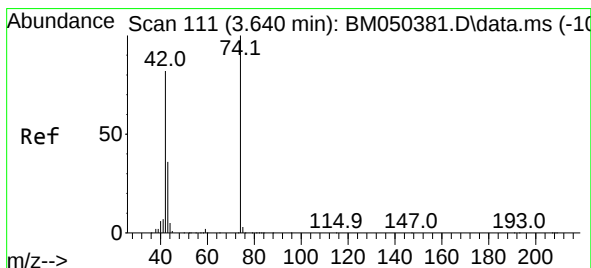
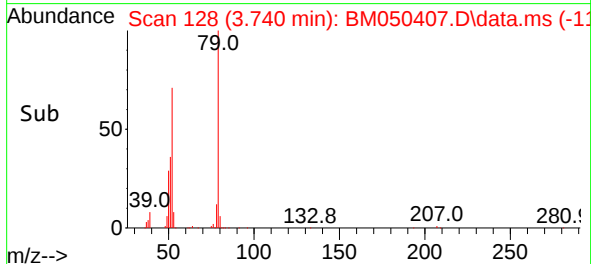
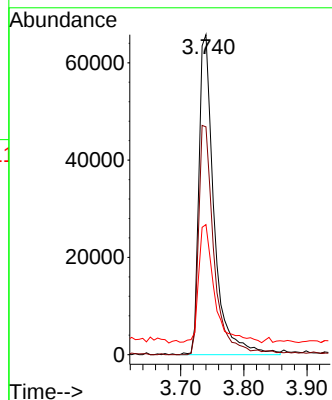
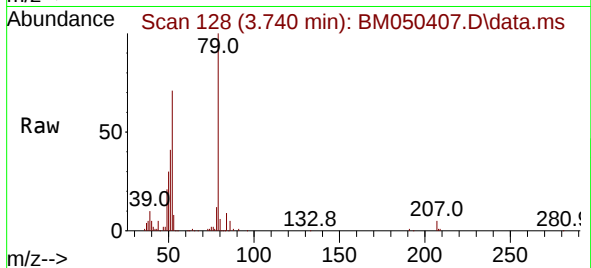




#3
Pyridine
Concen: 4.012 ng
RT: 3.740 min Scan# 111
Delta R.T. 0.006 min
Lab File: BM050407.D
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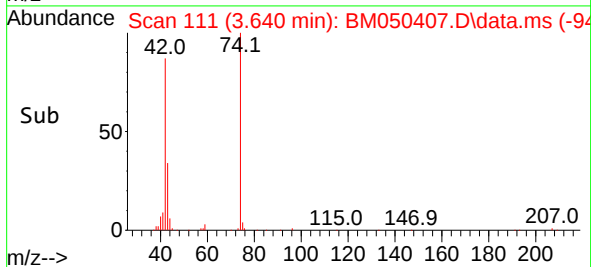
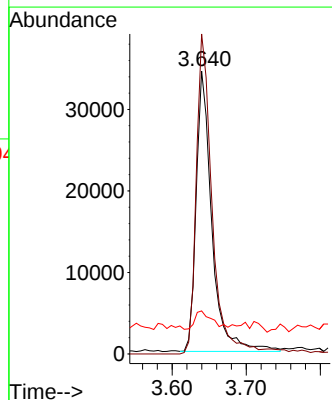
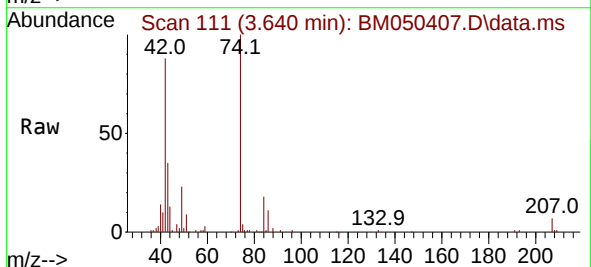
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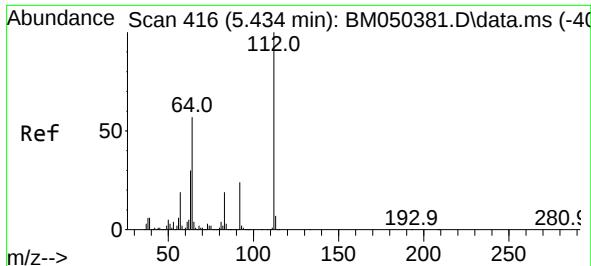
Tgt Ion: 79 Resp: 109883
Ion Ratio Lower Upper
79 100
52 71.2 58.3 87.5
51 40.7 29.6 44.4



#4
n-Nitrosodimethylamine
Concen: 3.952 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050407.D
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Tgt Ion: 42 Resp: 50462
Ion Ratio Lower Upper
42 100
74 113.1 97.5 146.3
44 15.2 5.7 8.5

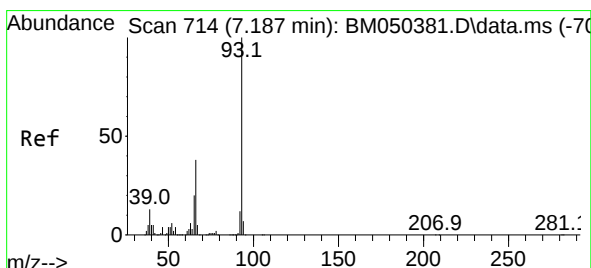
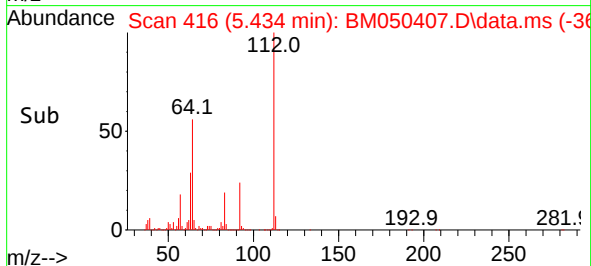
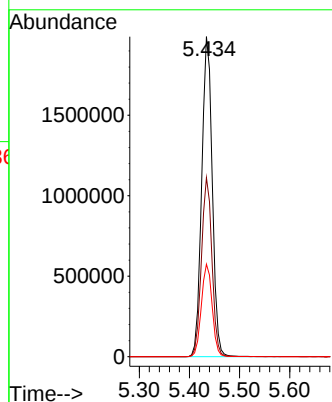
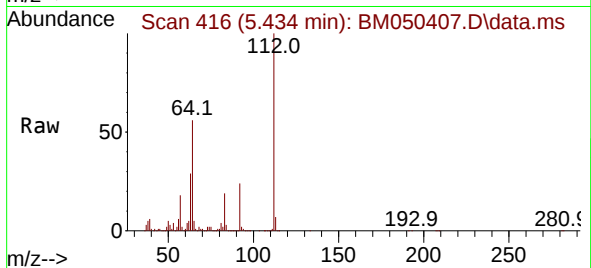




#5
2-Fluorophenol
Concen: 114.562 ng
RT: 5.434 min Scan# 416
Delta R.T. 0.000 min
Lab File: BM050407.D
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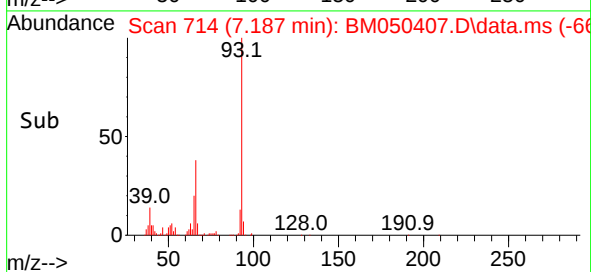
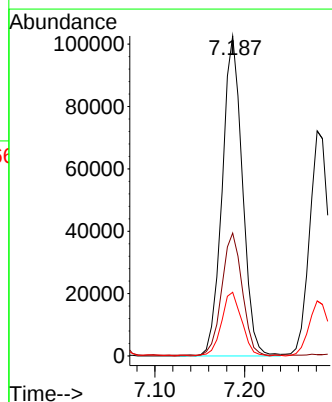
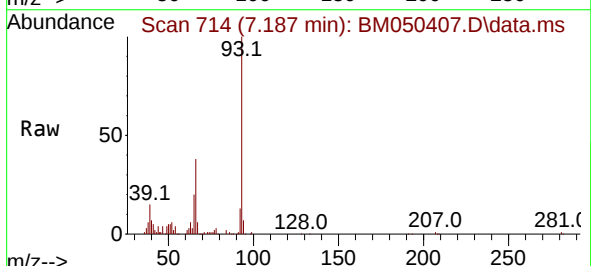
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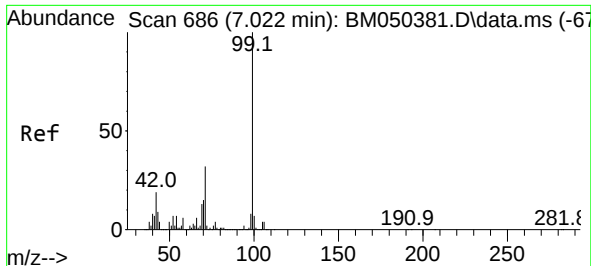
Tgt Ion:112 Resp: 2906402
Ion Ratio Lower Upper
112 100
64 56.0 45.5 68.3
63 28.9 24.2 36.4



#6
Aniline
Concen: 3.905 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050407.D
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Tgt Ion: 93 Resp: 160287
Ion Ratio Lower Upper
93 100
66 38.4 30.5 45.7
65 19.9 15.9 23.9



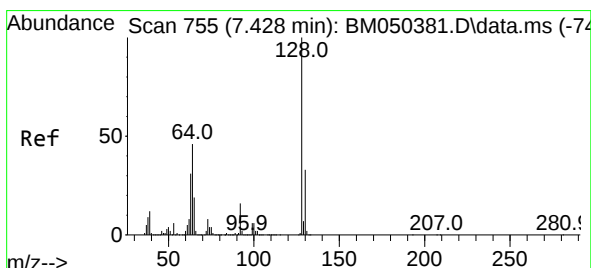
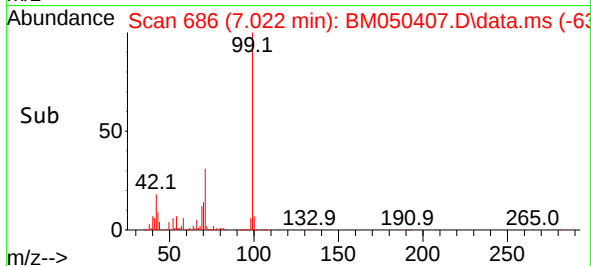
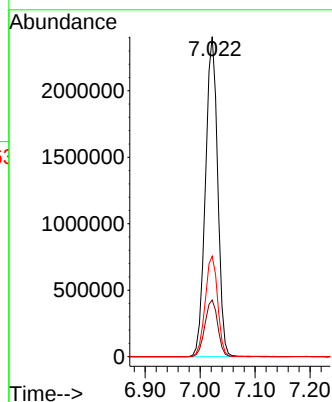
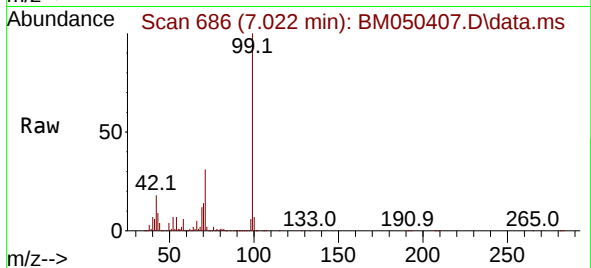


#7
Phenol-d6
Concen: 116.088 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
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Tgt Ion: 99 Resp: 3712636

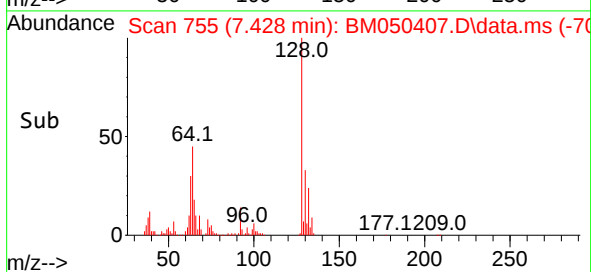
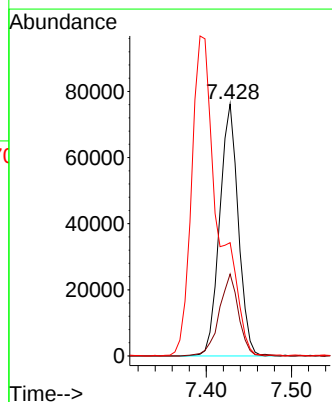
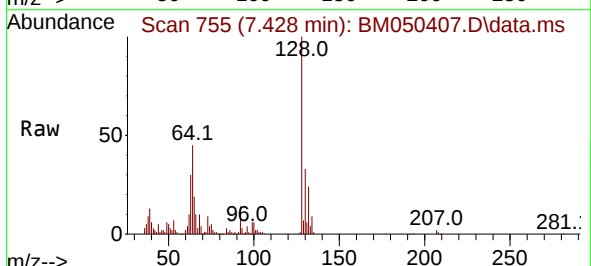
Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.0	22.6
71	31.4	25.9	38.9

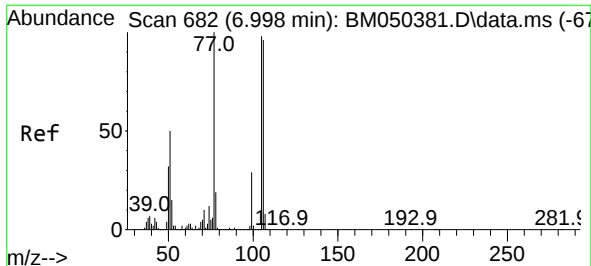


#8
2-Chlorophenol
Concen: 4.324 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050407.D
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Tgt Ion: 128 Resp: 115681

Ion	Ratio	Lower	Upper
128	100		
130	32.5	13.3	53.3
64	45.0	25.6	65.6

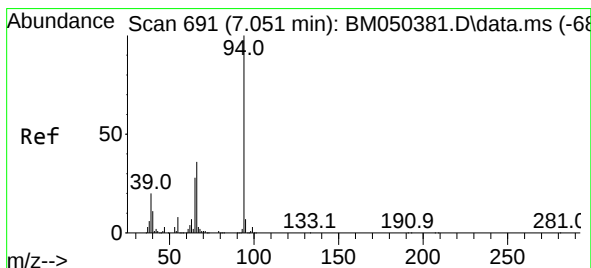
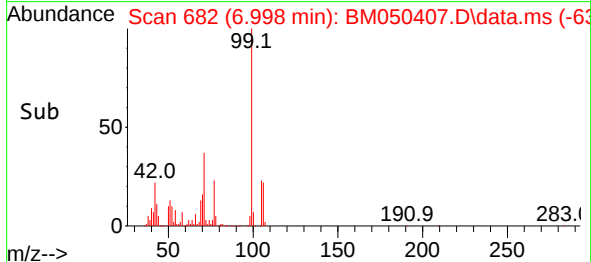
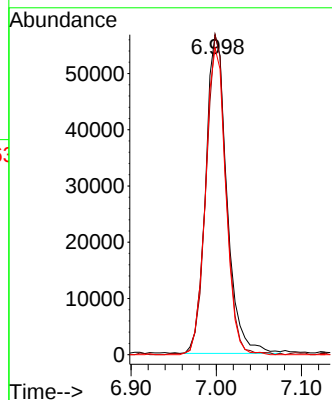
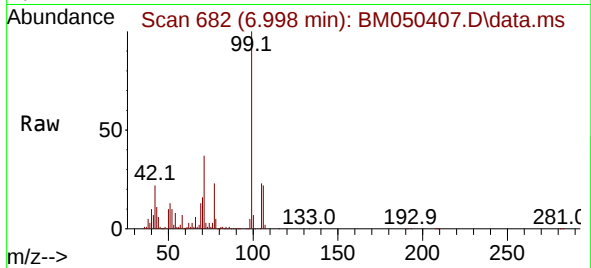




#9
Benzaldehyde
Concen: 5.154 ng
RT: 6.998 min Scan# 61
Delta R.T. 0.000 min
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Acq: 11 Jul 2025 10:59

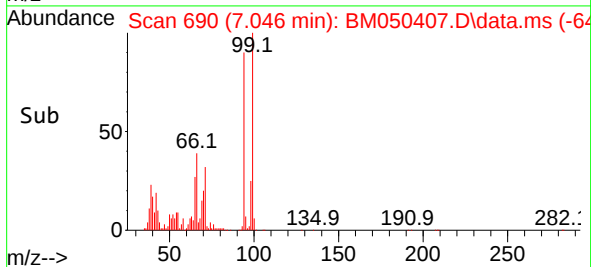
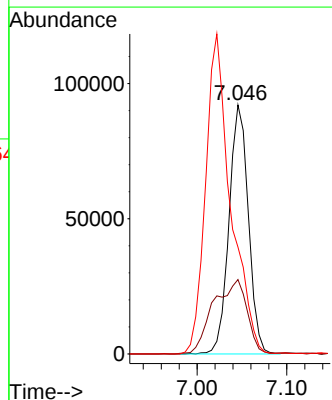
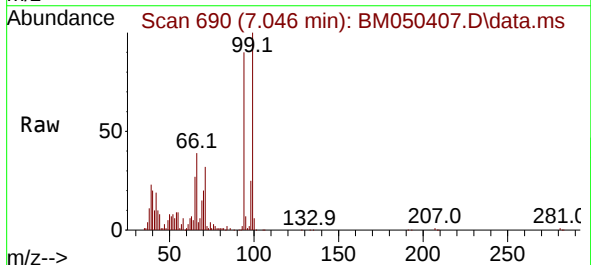
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

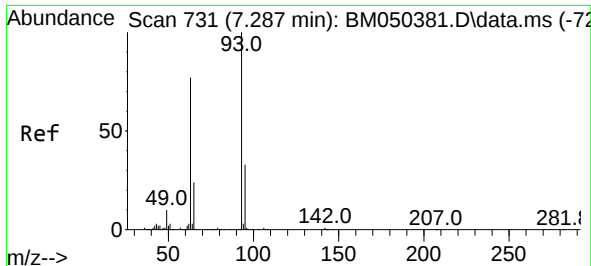
Tgt Ion: 77 Resp: 98047
Ion Ratio Lower Upper
77 100
105 100.0 78.4 118.4
106 95.8 76.3 116.3



#10
Phenol
Concen: 4.133 ng
RT: 7.046 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion: 94 Resp: 137856
Ion Ratio Lower Upper
94 100
65 29.9 8.1 48.1
66 43.0 15.8 55.8

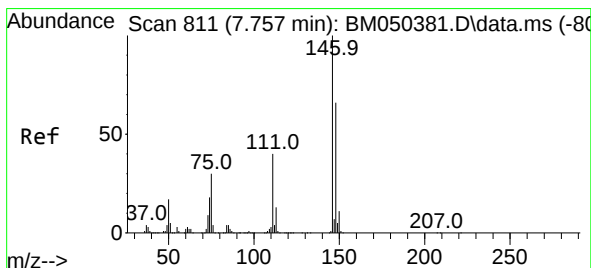
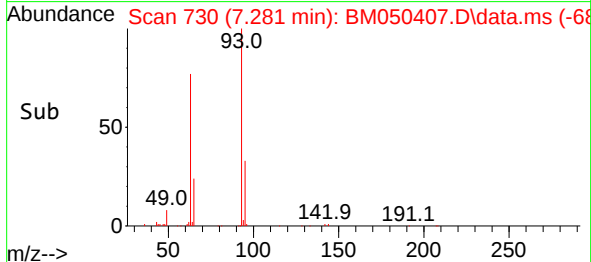
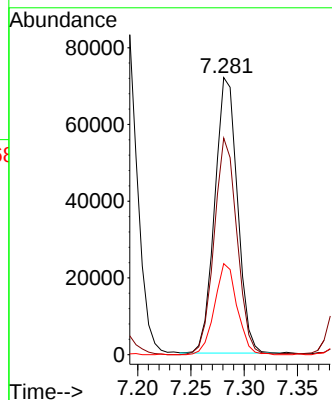
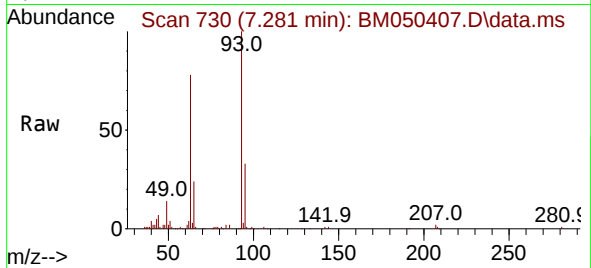




#11
bis(2-Chloroethyl)ether
Concen: 3.976 ng
RT: 7.281 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

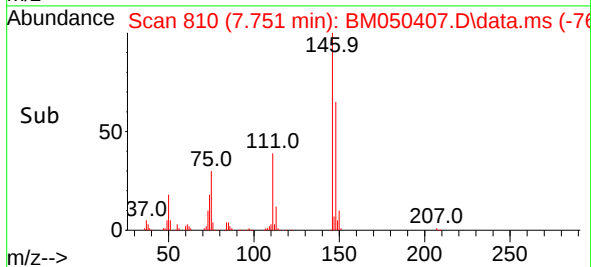
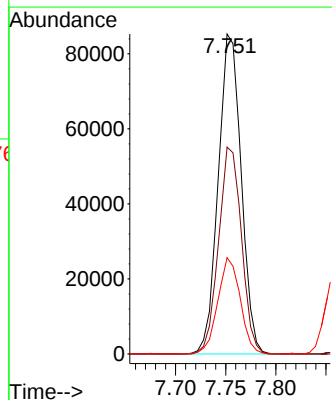
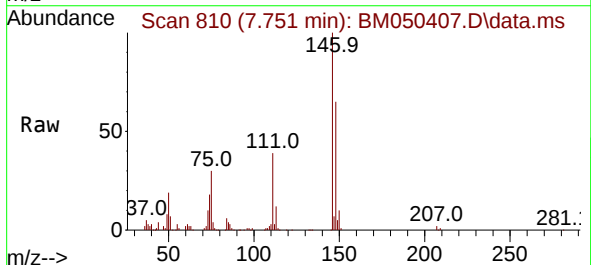
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

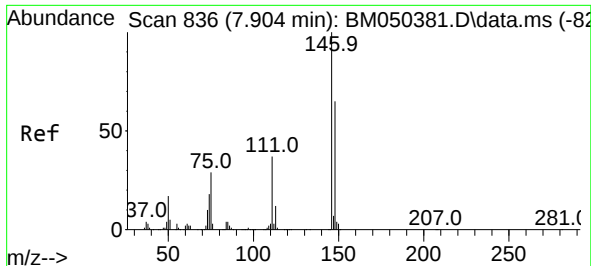
Tgt Ion: 93 Resp: 106215
Ion Ratio Lower Upper
93 100
63 78.2 56.9 96.9
95 32.8 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 4.170 ng
RT: 7.751 min Scan# 810
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:146 Resp: 135649
Ion Ratio Lower Upper
146 100
148 64.7 53.2 79.8
75 30.1 23.9 35.9

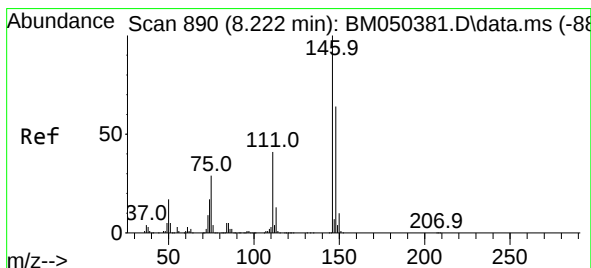
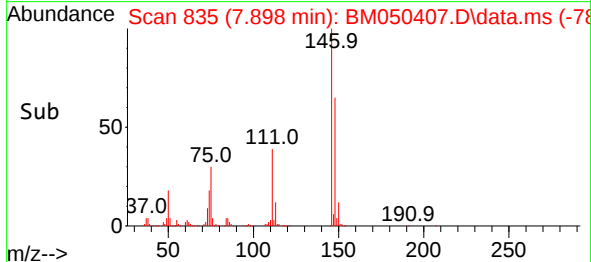
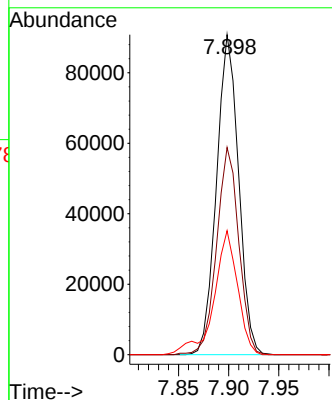
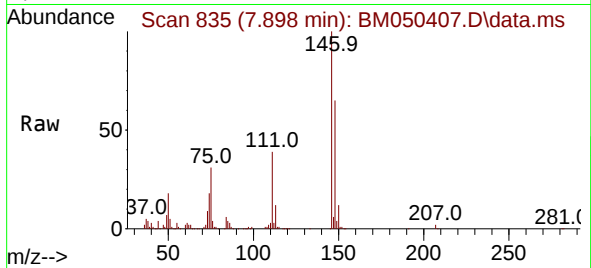




#13
1,4-Dichlorobenzene
Concen: 4.174 ng
RT: 7.898 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

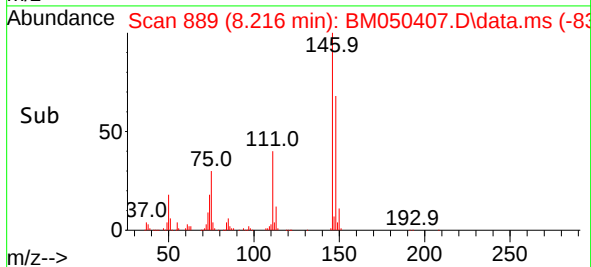
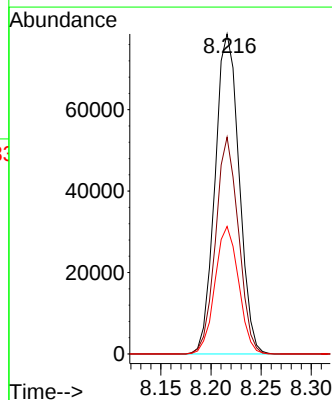
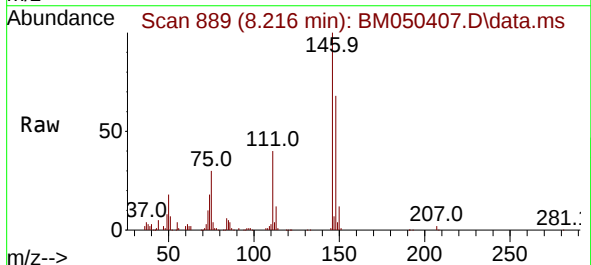
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

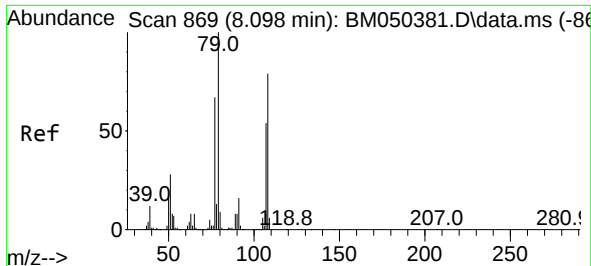
Tgt Ion:146 Resp: 138640
Ion Ratio Lower Upper
146 100
148 64.7 51.9 77.9
111 38.8 30.0 45.0



#14
1,2-Dichlorobenzene
Concen: 4.123 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:146 Resp: 131092
Ion Ratio Lower Upper
146 100
148 67.8 51.5 77.3
111 39.8 32.6 49.0

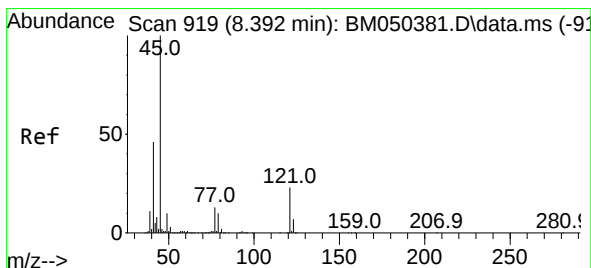
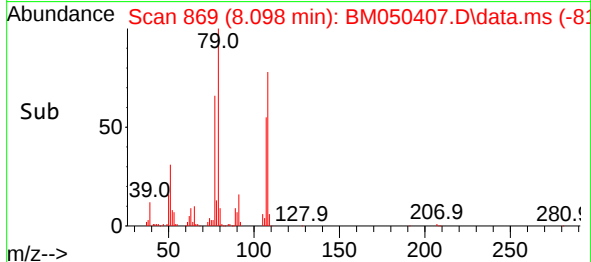
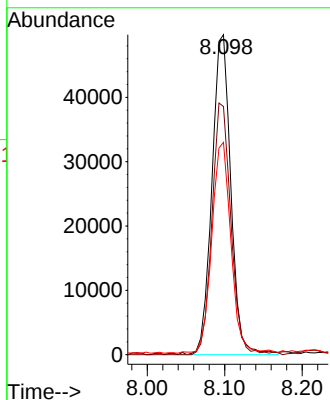
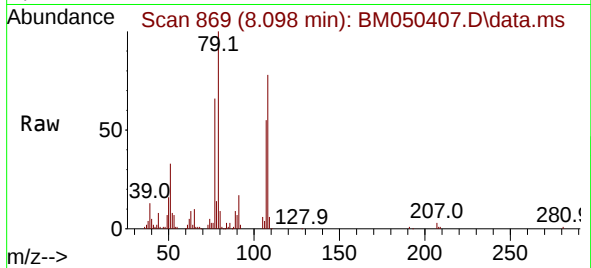




#15
Benzyl Alcohol
Concen: 3.737 ng
RT: 8.098 min Scan# 869
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

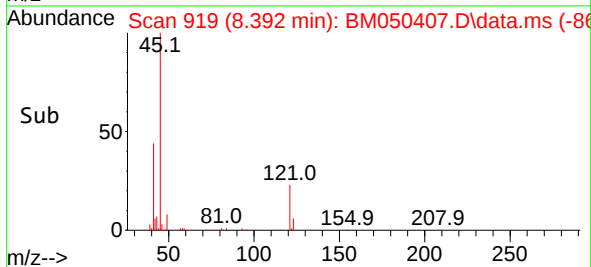
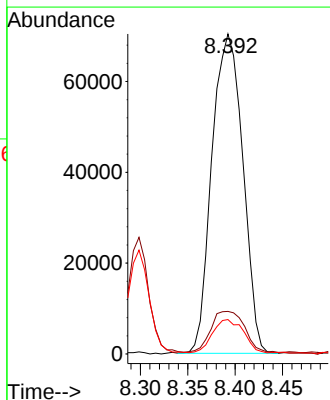
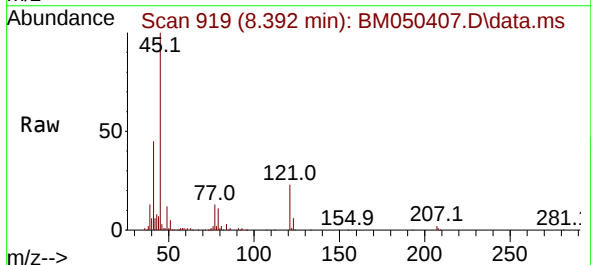
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

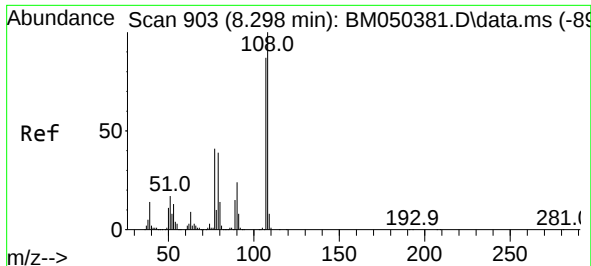
Tgt Ion: 79 Resp: 84200
Ion Ratio Lower Upper
79 100
108 77.5 63.0 94.4
77 66.4 53.4 80.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.057 ng
RT: 8.392 min Scan# 919
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion: 45 Resp: 159639
Ion Ratio Lower Upper
45 100
77 13.3 0.0 33.5
79 10.8 0.0 30.3

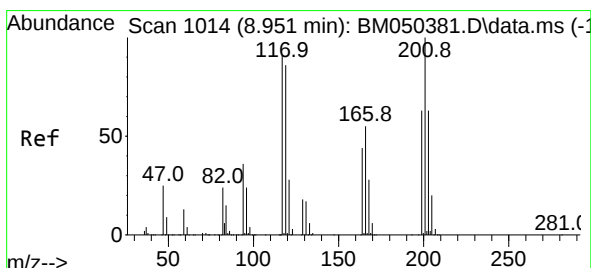
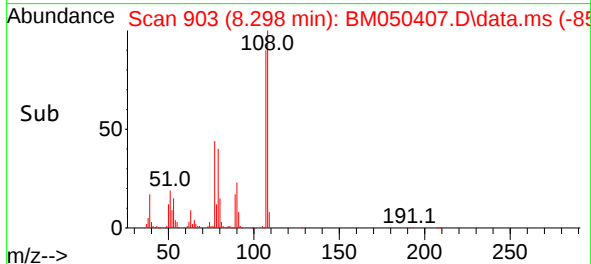
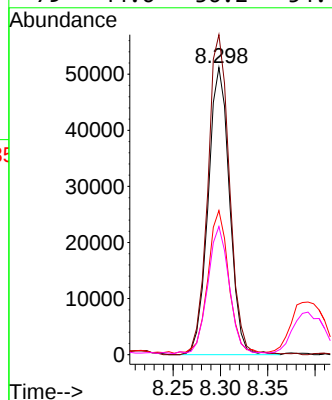
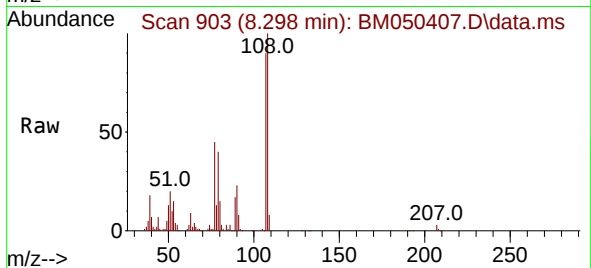




#17
2-Methylphenol
Concen: 3.718 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

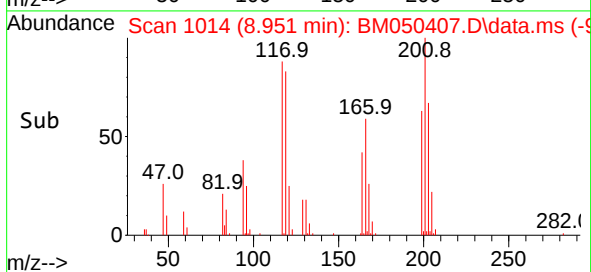
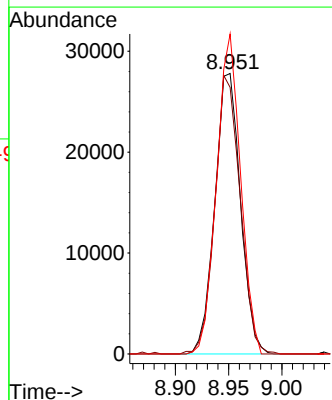
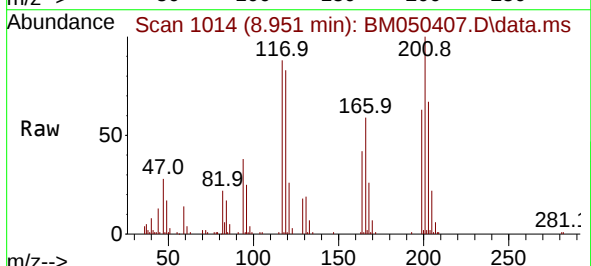
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

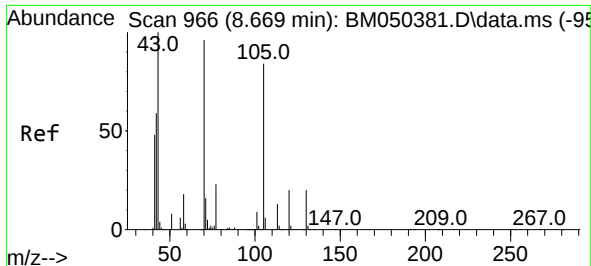
Tgt Ion:	107	Resp:	80441
Ion Ratio	Lower	Upper	
107	100		
108	111.4	92.1	138.1
77	50.2	38.2	57.4
79	44.6	36.2	54.4



#18
Hexachloroethane
Concen: 3.976 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:	117	Resp:	46448
Ion Ratio	Lower	Upper	
117	100		
119	95.0	75.6	113.4
201	116.6	87.9	131.9

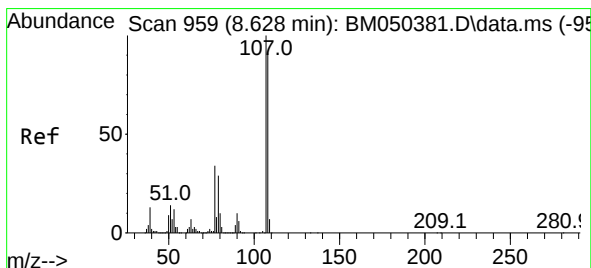
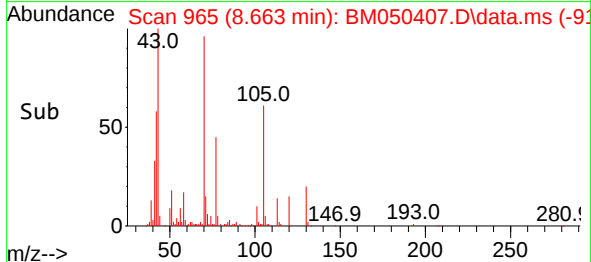
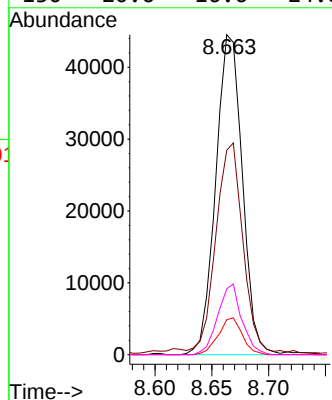
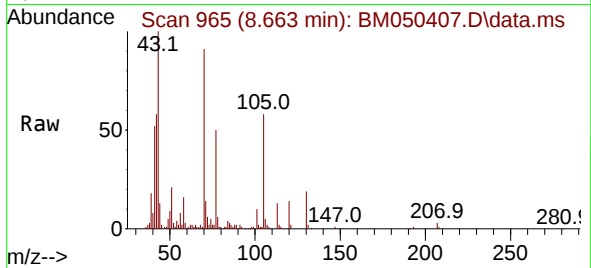




#19
n-Nitroso-di-n-propylamine
Concen: 3.748 ng
RT: 8.663 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

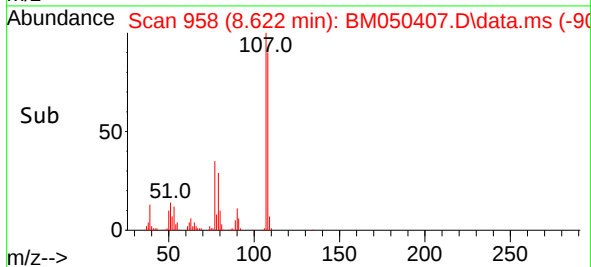
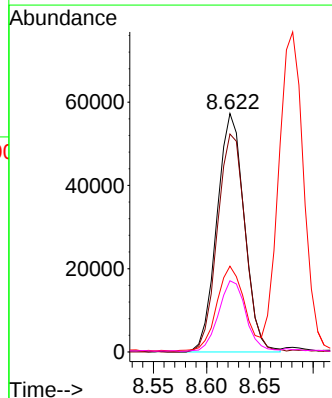
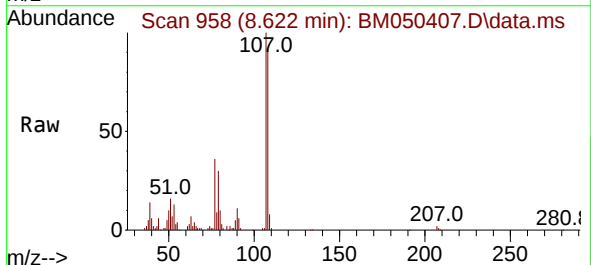
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

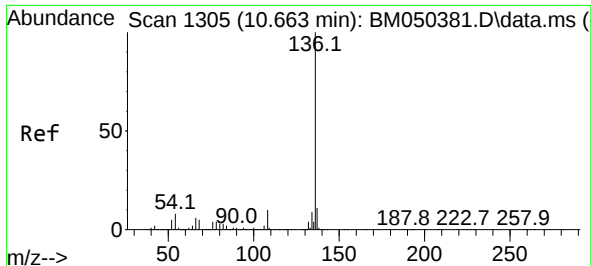
Tgt Ion: 70 Resp: 72620
Ion Ratio Lower Upper
70 100
42 63.9 49.7 74.5
101 10.9 7.7 11.5
130 20.6 16.6 24.8



#20
3+4-Methylphenols
Concen: 3.530 ng
RT: 8.622 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion: 107 Resp: 102536
Ion Ratio Lower Upper
107 100
108 91.4 71.5 111.5
77 36.0 13.7 53.7
79 29.9 8.6 48.6

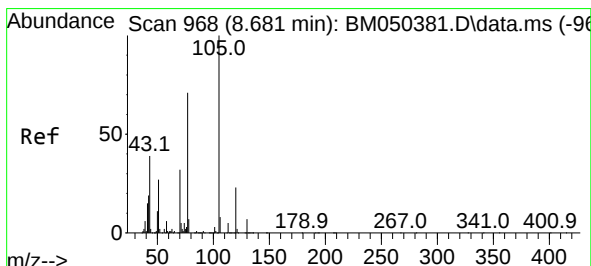
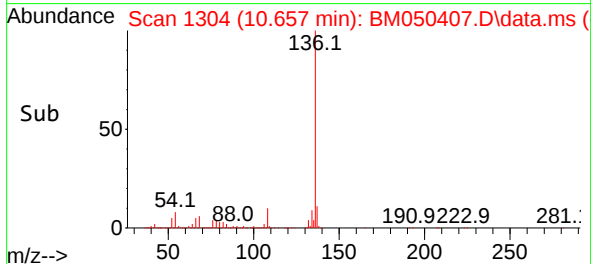
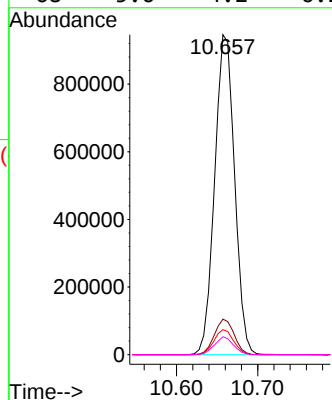
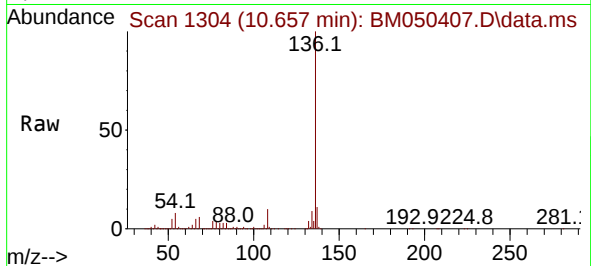




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

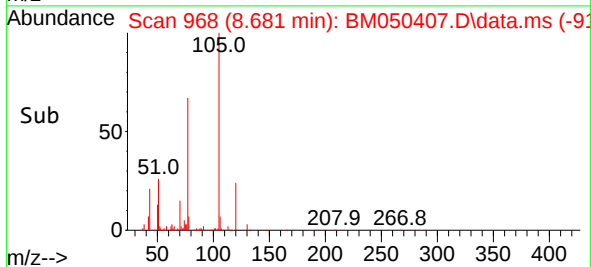
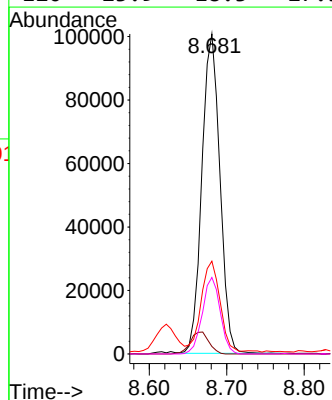
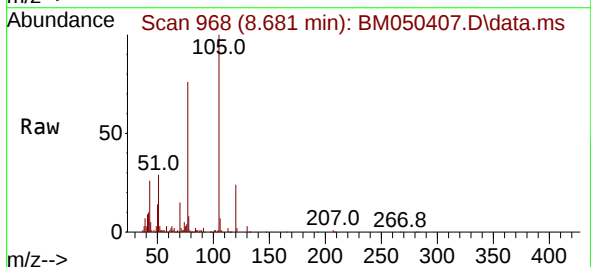
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

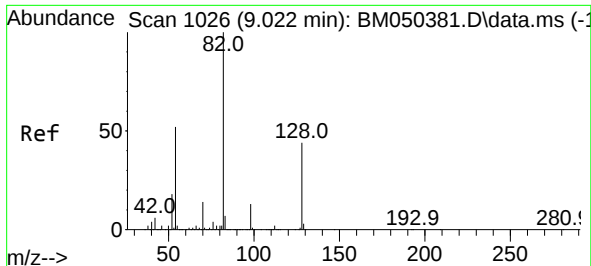
Tgt Ion:136 Resp: 1613825
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.8 6.3 9.5
68 5.6 4.2 6.2



#22
Acetophenone
Concen: 4.031 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:105 Resp: 162652
Ion Ratio Lower Upper
105 100
71 2.3 4.4 6.6#
51 29.0 23.0 34.6
120 23.9 18.3 27.5

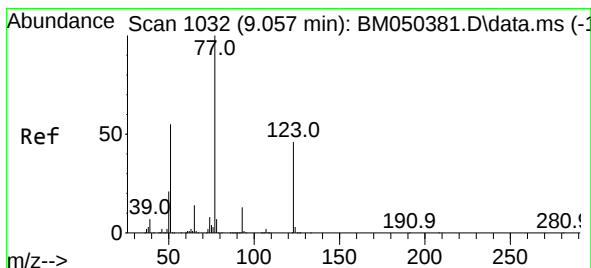
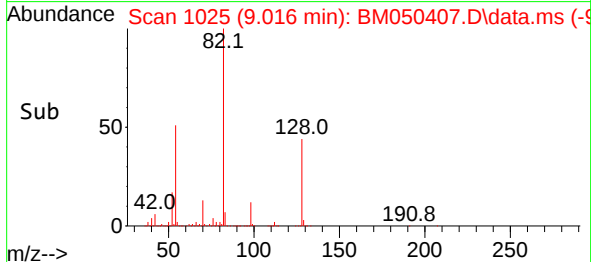
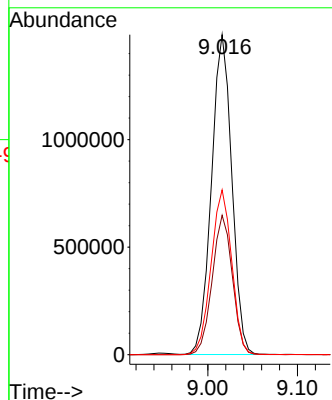
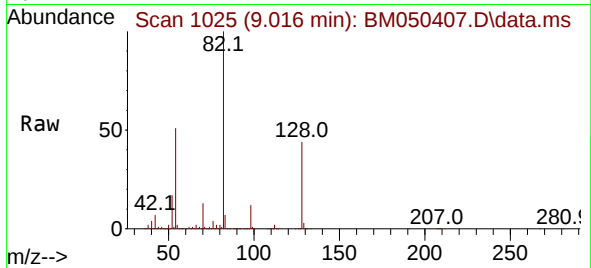




#23
Nitrobenzene-d5
Concen: 73.966 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

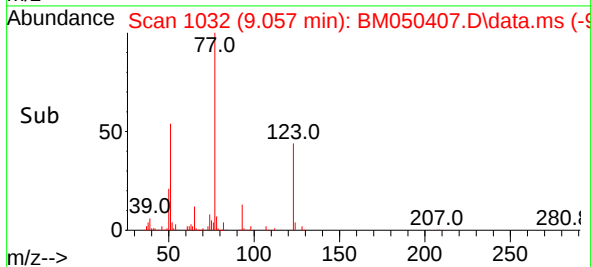
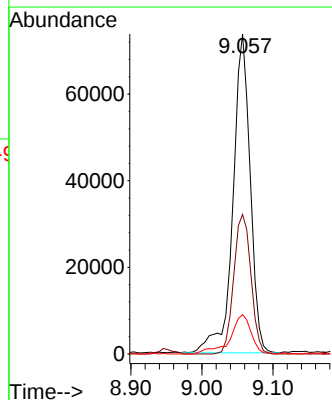
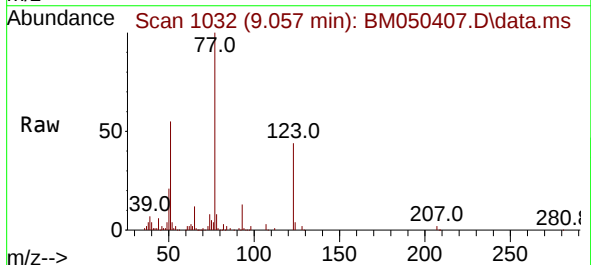
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

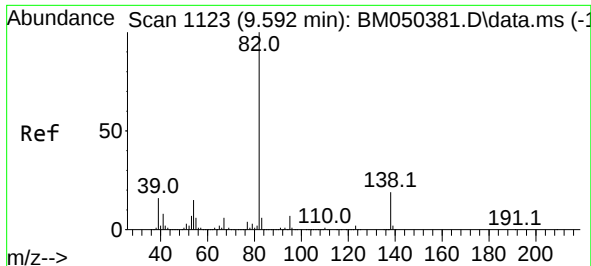
Tgt Ion: 82 Resp: 2339734
Ion Ratio Lower Upper
82 100
128 43.6 35.2 52.8
54 51.5 41.5 62.3



#24
Nitrobenzene
Concen: 4.414 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion: 77 Resp: 124607
Ion Ratio Lower Upper
77 100
123 43.6 37.0 55.6
65 12.3 11.0 16.4

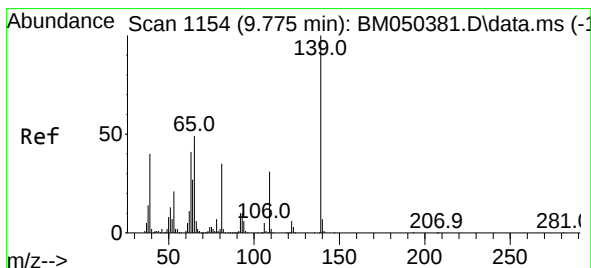
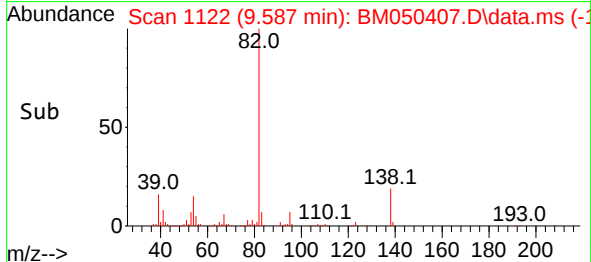
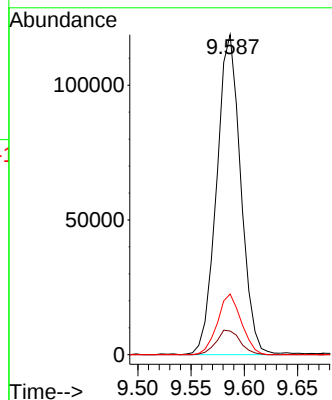
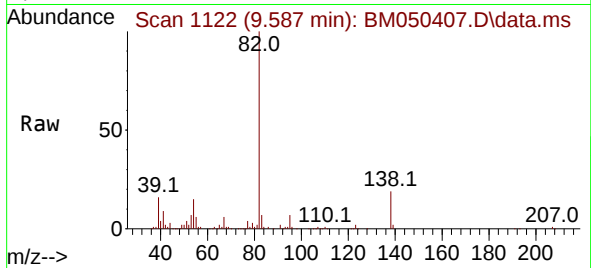




#25
Isophorone
Concen: 3.638 ng
RT: 9.587 min Scan# 1122
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

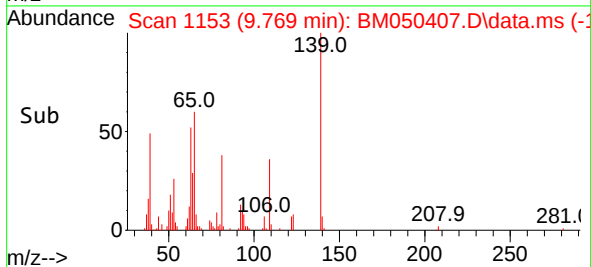
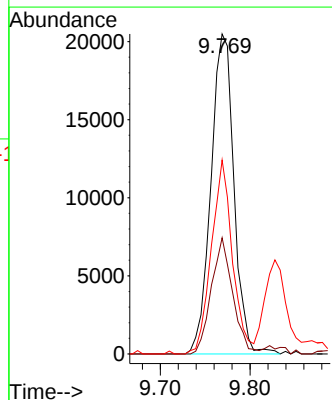
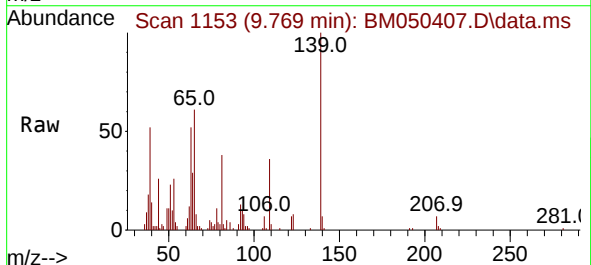
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

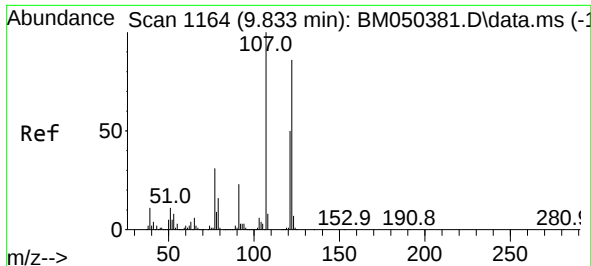
Tgt Ion: 82 Resp: 186760
Ion Ratio Lower Upper
82 100
95 7.4 5.6 8.4
138 18.9 15.3 22.9



#26
2-Nitrophenol
Concen: 3.174 ng
RT: 9.769 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:139 Resp: 36515
Ion Ratio Lower Upper
139 100
109 36.3 24.6 36.8
65 60.6 39.2 58.8#





#27

2,4-Dimethylphenol

Concen: 3.824 ng

RT: 9.828 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BM050407.D

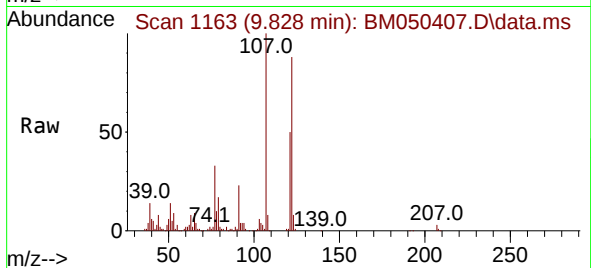
Acq: 11 Jul 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025



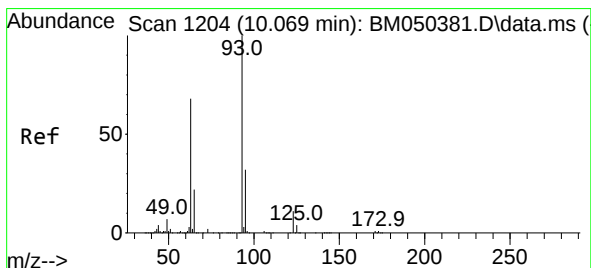
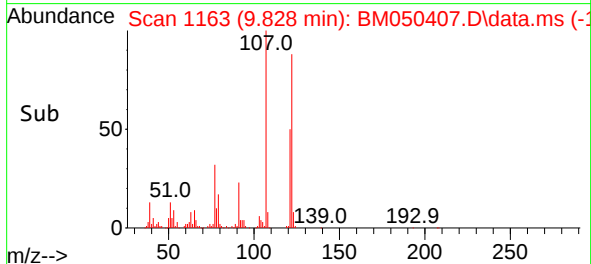
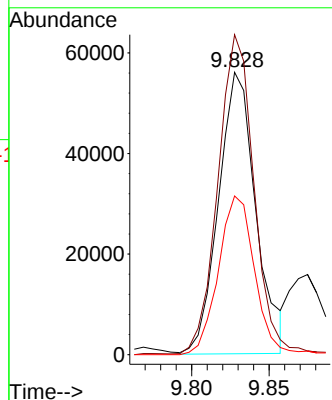
Tgt Ion:122 Resp: 93602

Ion Ratio Lower Upper

122 100

107 113.3 93.0 139.6

121 56.2 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 3.870 ng

RT: 10.069 min Scan# 1204

Delta R.T. 0.000 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

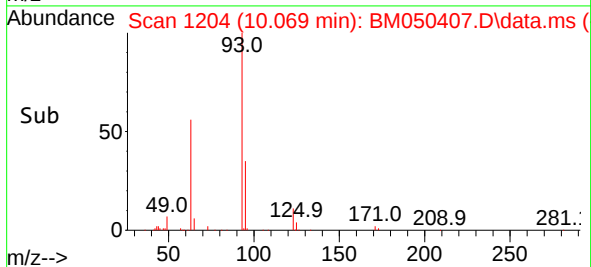
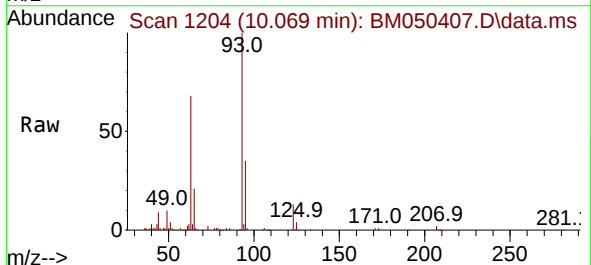
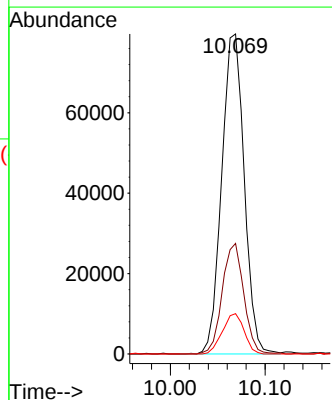
Tgt Ion: 93 Resp: 131631

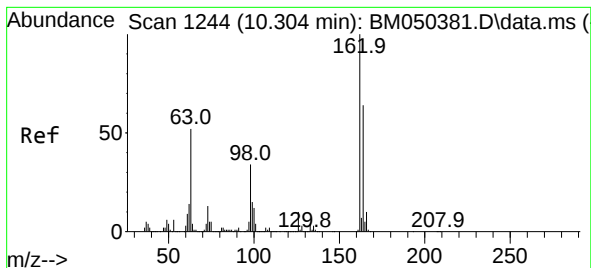
Ion Ratio Lower Upper

93 100

95 34.6 25.8 38.6

123 12.6 9.1 13.7

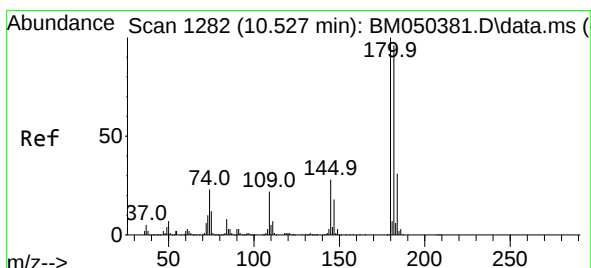
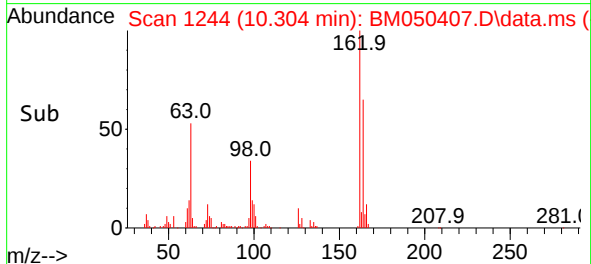
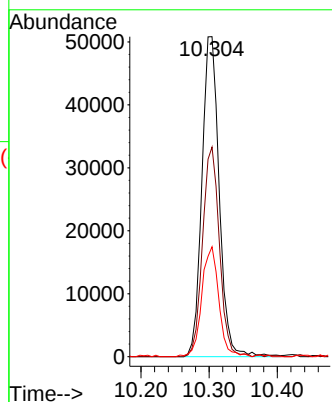
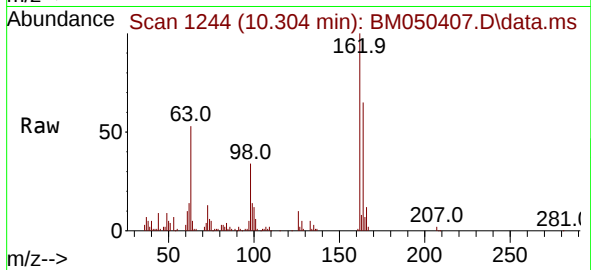




#29
2,4-Dichlorophenol
Concen: 3.575 ng
RT: 10.304 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

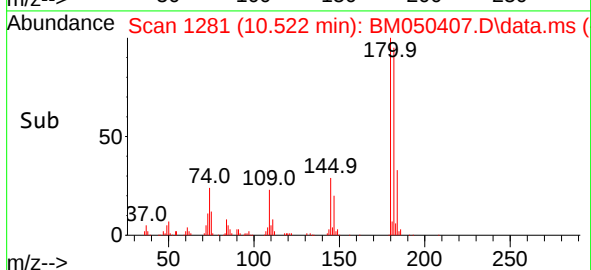
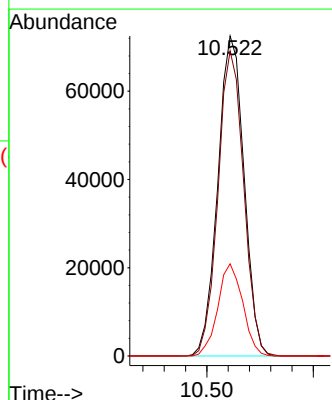
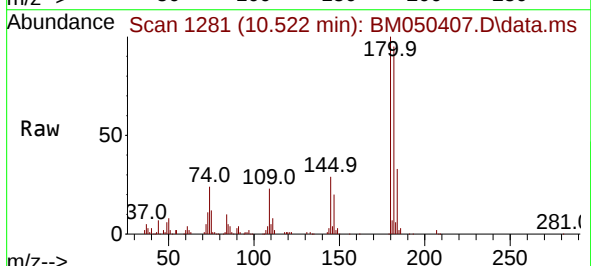
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

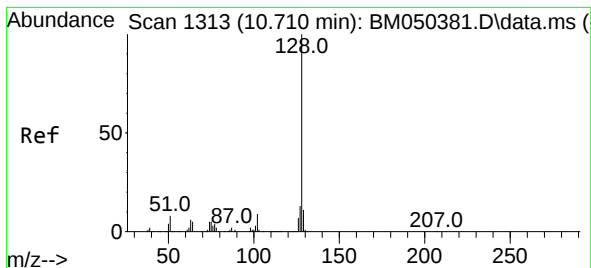
Tgt Ion:162 Resp: 89899
Ion Ratio Lower Upper
162 100
164 65.5 43.7 83.7
98 34.4 13.7 53.7



#30
1,2,4-Trichlorobenzene
Concen: 4.108 ng
RT: 10.522 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:180 Resp: 123602
Ion Ratio Lower Upper
180 100
182 95.4 76.8 115.2
145 28.8 22.6 33.8

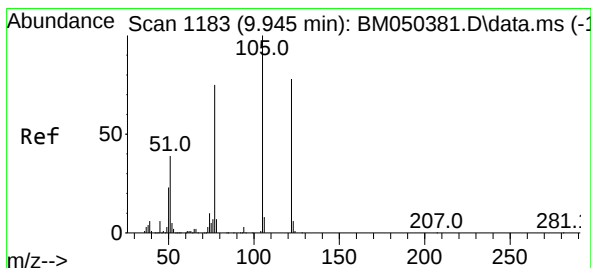
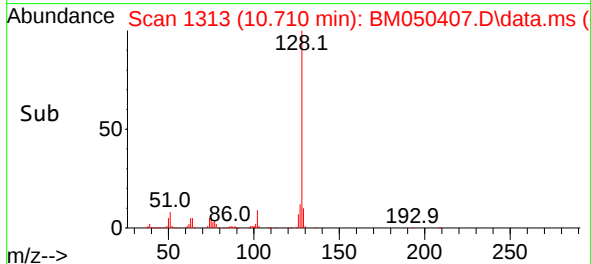
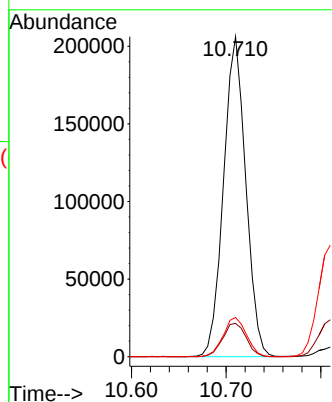
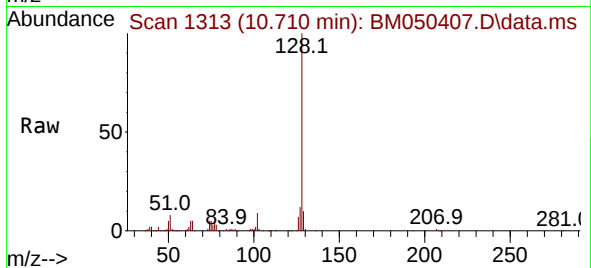




#31
Naphthalene
Concen: 4.097 ng
RT: 10.710 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

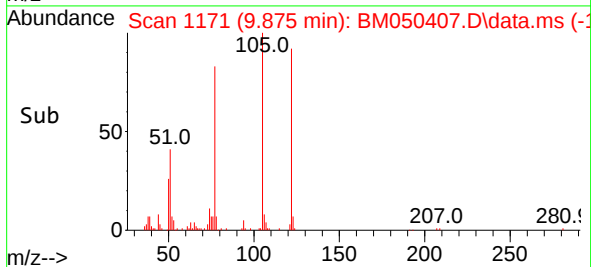
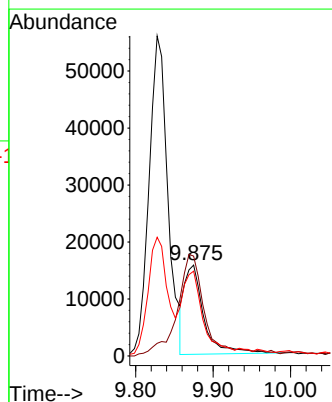
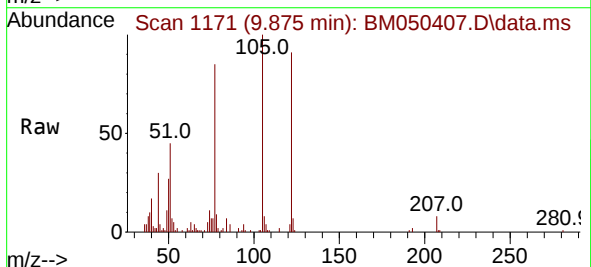
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

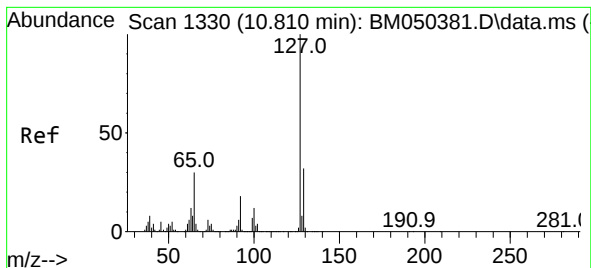
Tgt Ion:128 Resp: 335828
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 12.3 10.4 15.6



#32
Benzoic acid
Concen: 7.576 ng
RT: 9.875 min Scan# 1171
Delta R.T. -0.070 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:122 Resp: 27485
Ion Ratio Lower Upper
122 100
105 109.8 104.0 144.0
77 93.4 73.8 113.8





#33

4-Chloroaniline

Concen: 3.739 ng

RT: 10.810 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion:127 Resp: 129585

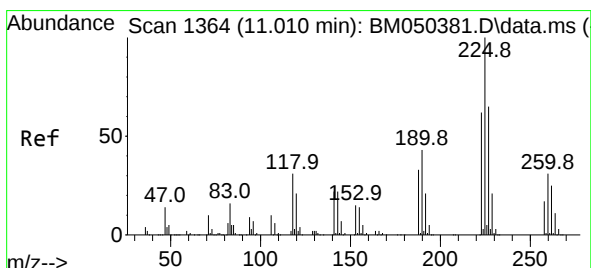
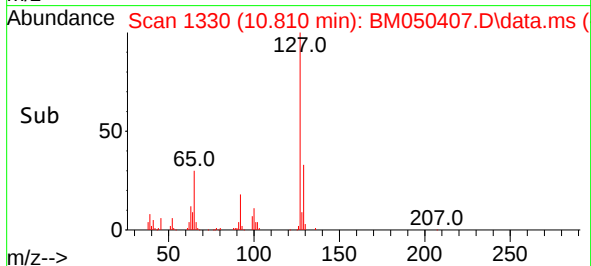
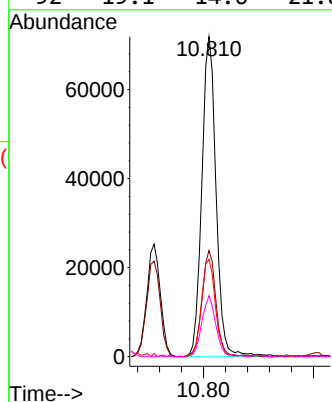
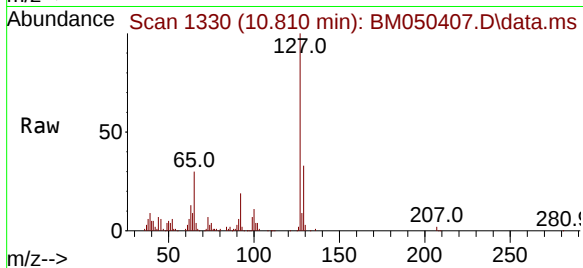
Ion Ratio Lower Upper

127 100

129 33.2 25.5 38.3

65 30.4 23.9 35.9

92 19.1 14.6 21.8



#34

Hexachlorobutadiene

Concen: 4.030 ng

RT: 11.004 min Scan# 1363

Delta R.T. -0.006 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

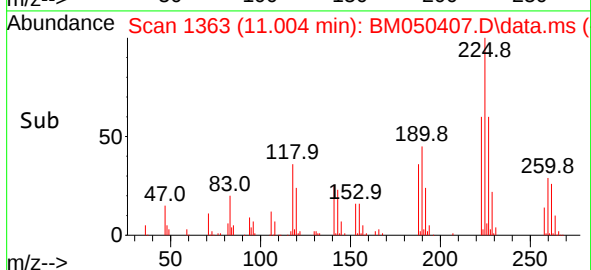
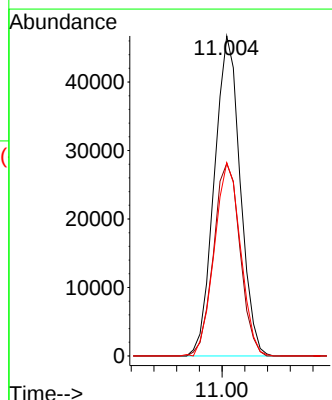
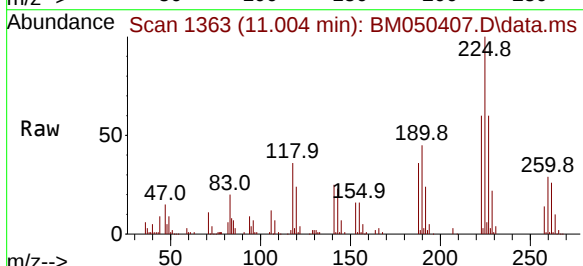
Tgt Ion:225 Resp: 74003

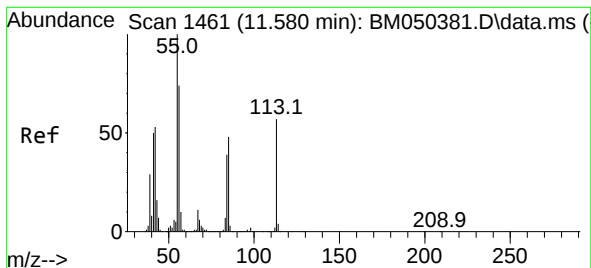
Ion Ratio Lower Upper

225 100

223 62.8 49.7 74.5

227 60.4 52.1 78.1

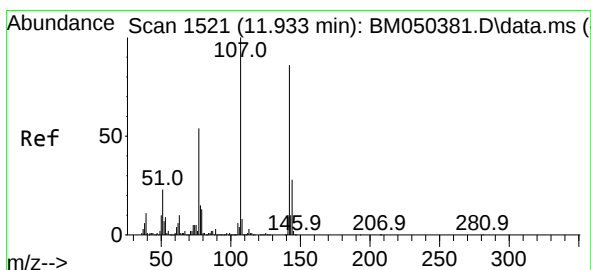
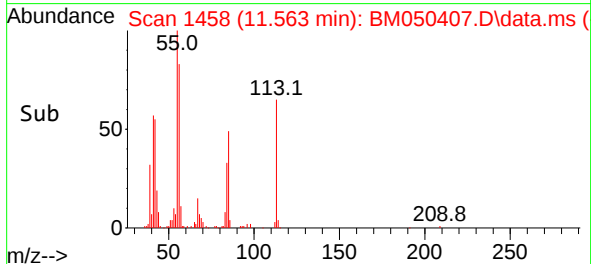
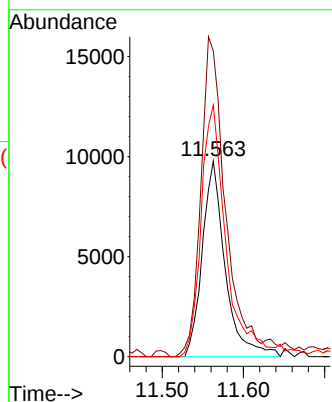
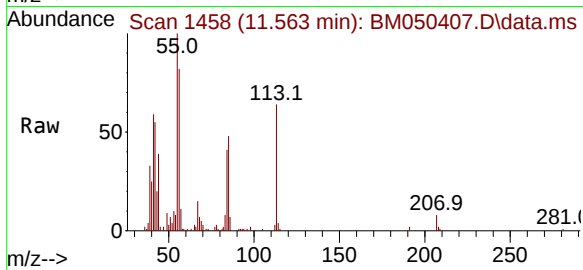




#35
Caprolactam
Concen: 2.785 ng
RT: 11.563 min Scan# 1461
Delta R.T. -0.017 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

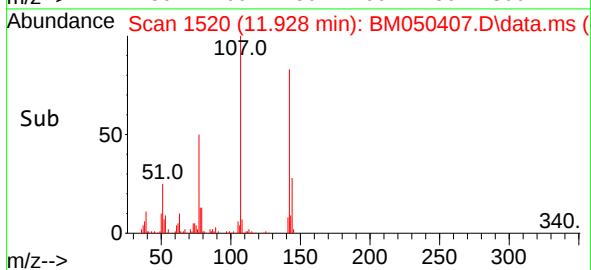
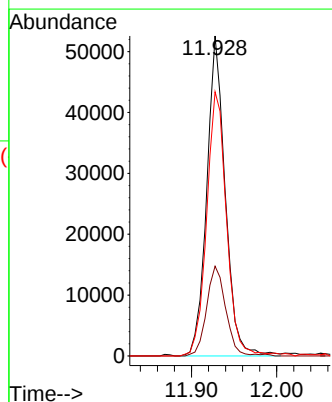
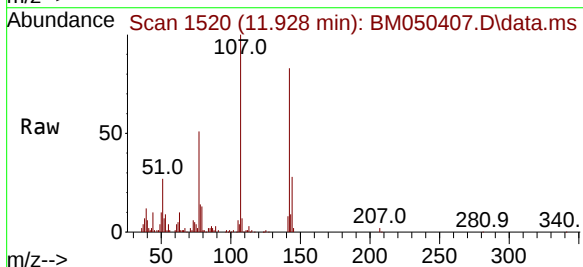
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

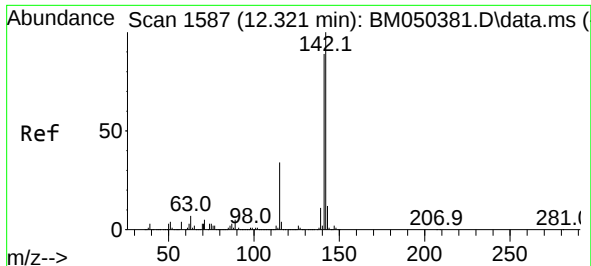
Tgt Ion:113 Resp: 19121
Ion Ratio Lower Upper
113 100
55 156.2 157.2 197.2#
56 128.6 111.7 151.7



#36
4-Chloro-3-methylphenol
Concen: 3.376 ng
RT: 11.928 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:107 Resp: 79289
Ion Ratio Lower Upper
107 100
144 28.0 22.2 33.4
142 82.5 68.7 103.1

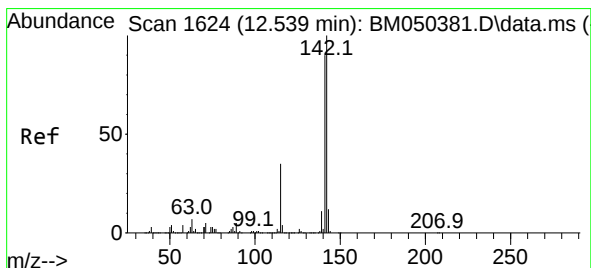
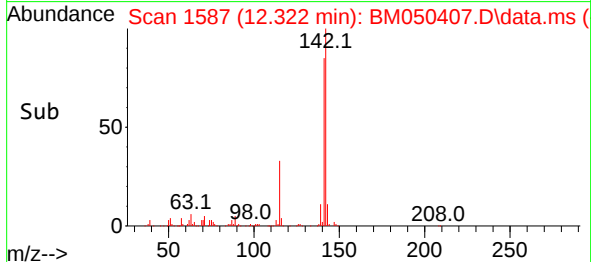
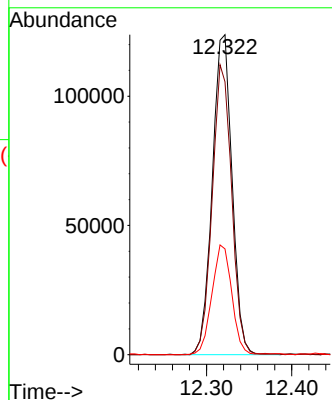
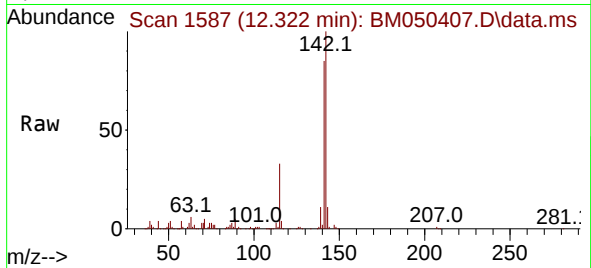




#37
2-Methylnaphthalene
Concen: 3.851 ng
RT: 12.322 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

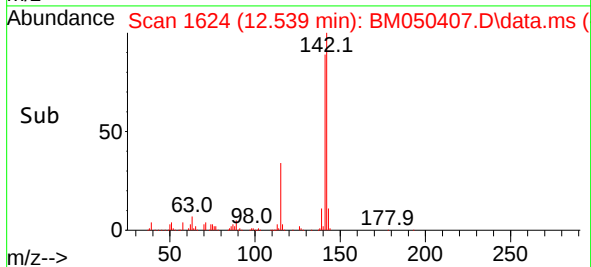
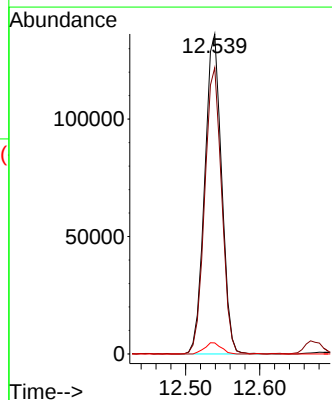
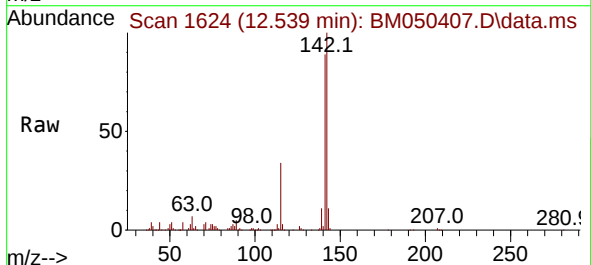
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

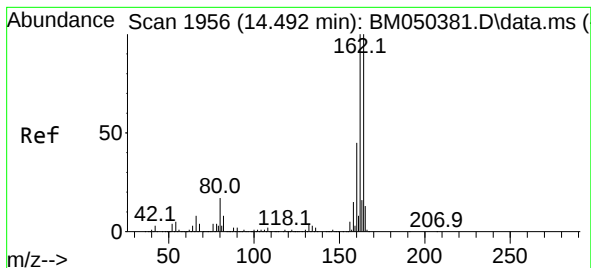
Tgt Ion:142 Resp: 199338
Ion Ratio Lower Upper
142 100
141 85.2 70.8 106.2
115 33.1 27.0 40.4



#38
1-Methylnaphthalene
Concen: 3.934 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:142 Resp: 215489
Ion Ratio Lower Upper
142 100
141 89.4 71.9 107.9
116 3.4 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.492 min Scan# 1956

Delta R.T. 0.000 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

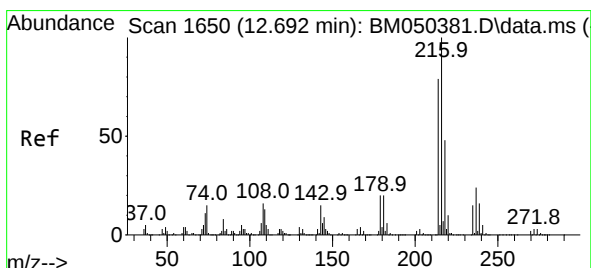
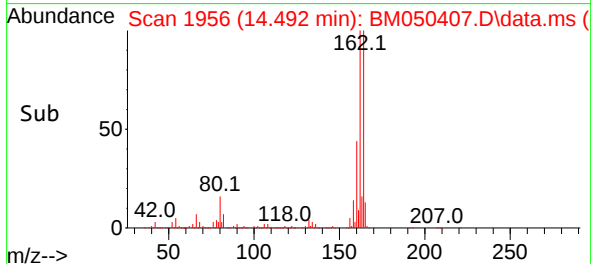
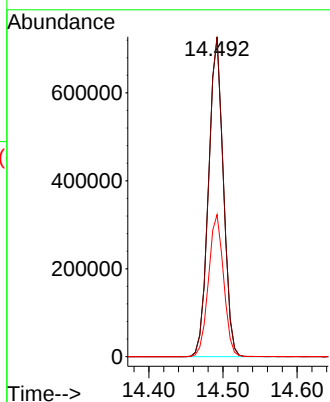
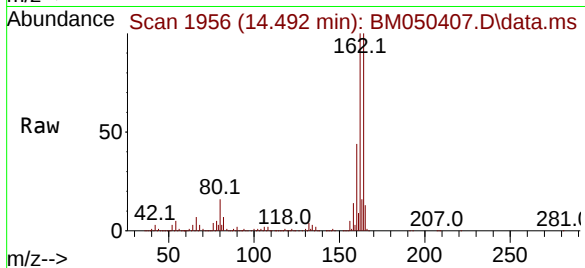
Tgt Ion:164 Resp: 1006200

Ion Ratio Lower Upper

164 100

162 100.2 79.9 119.9

160 44.5 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.943 ng

RT: 12.686 min Scan# 1649

Delta R.T. -0.006 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

Tgt Ion:216 Resp: 126161

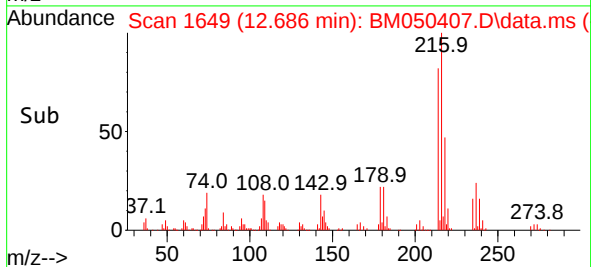
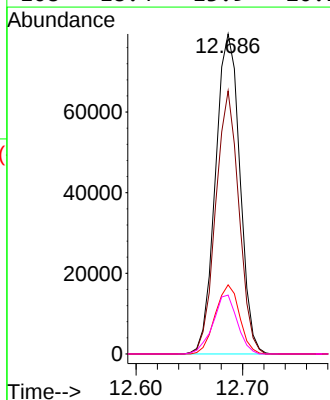
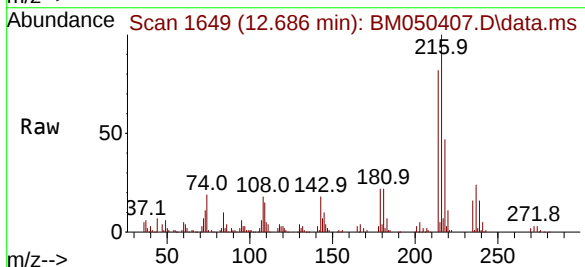
Ion Ratio Lower Upper

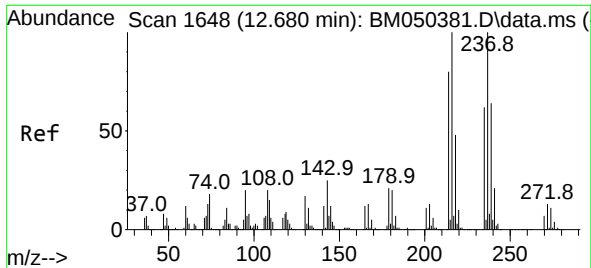
216 100

214 78.3 63.3 94.9

179 21.4 16.4 24.6

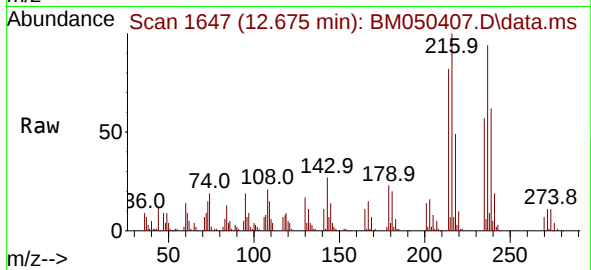
108 18.4 13.9 20.9



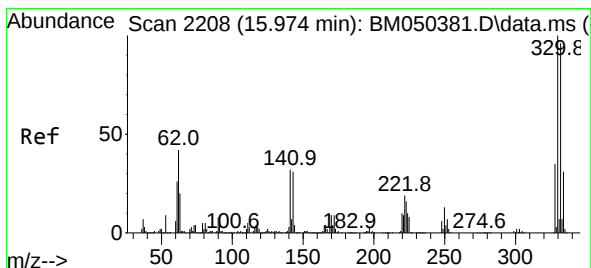
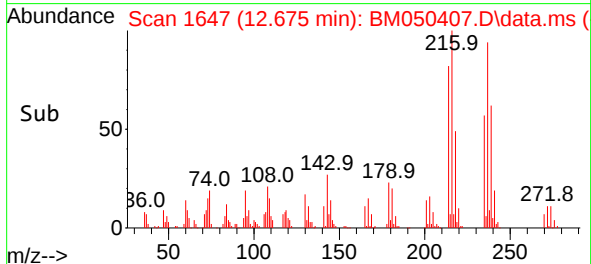
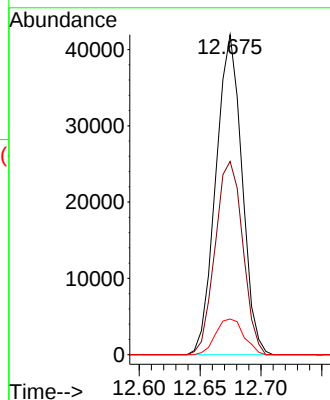


#41
Hexachlorocyclopentadiene
Concen: 3.059 ng
RT: 12.675 min Scan# 1647
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

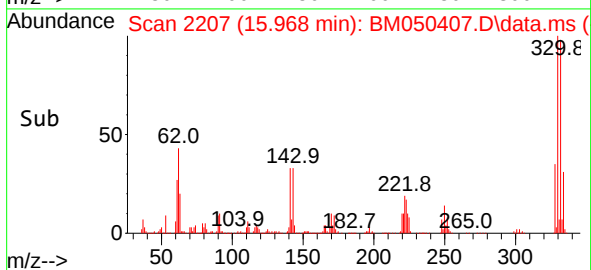
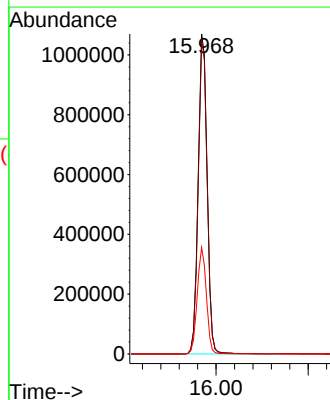
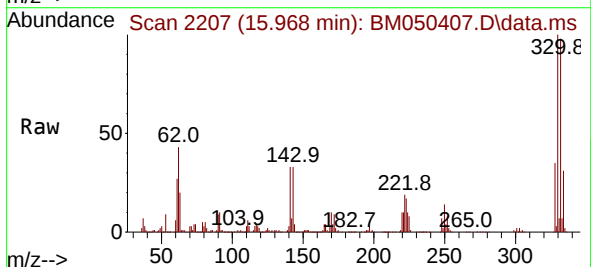


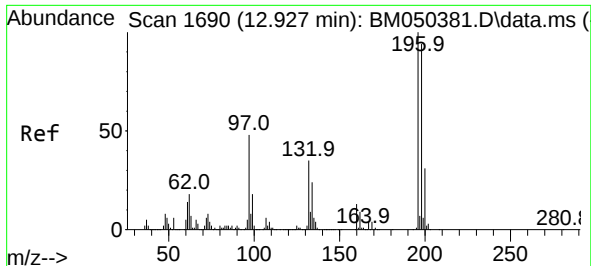
Tgt Ion:237 Resp: 62569
Ion Ratio Lower Upper
237 100
235 60.4 42.3 82.3
272 11.2 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 118.738 ng
RT: 15.968 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:330 Resp: 1451621
Ion Ratio Lower Upper
330 100
332 97.3 76.9 115.3
141 33.7 27.4 41.0

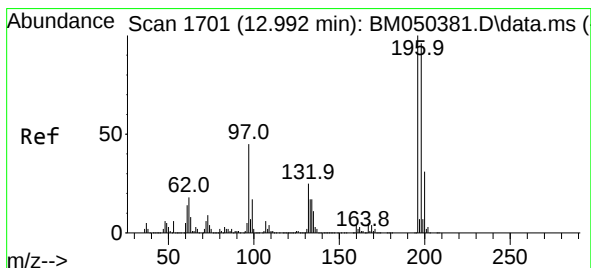
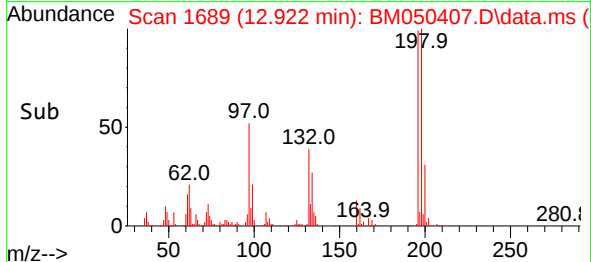
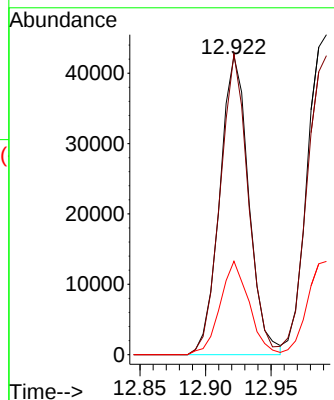
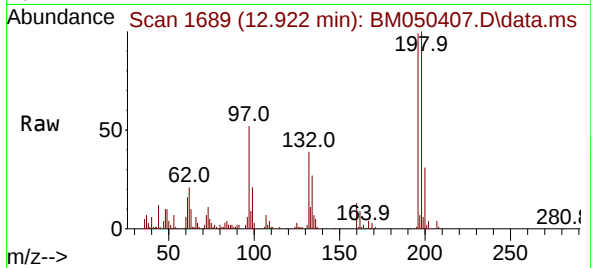




#43
2,4,6-Trichlorophenol
Concen: 3.327 ng
RT: 12.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

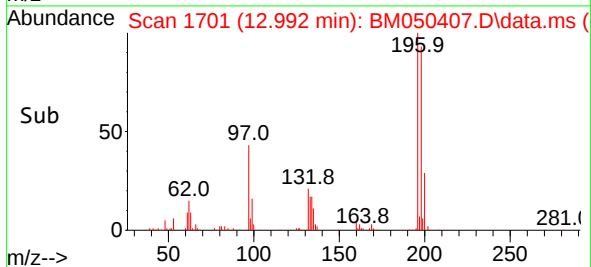
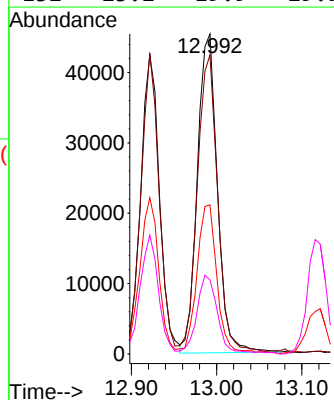
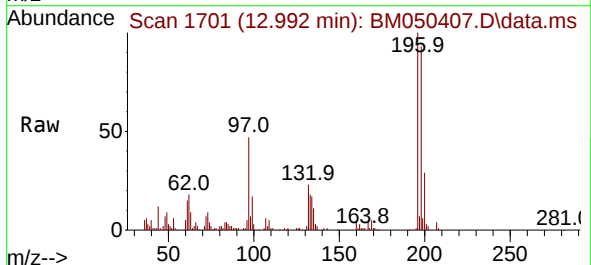
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

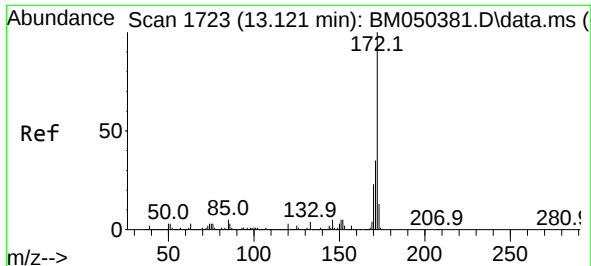
Tgt Ion:196 Resp: 65534
Ion Ratio Lower Upper
196 100
198 100.7 75.1 112.7
200 31.3 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 3.440 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:196 Resp: 73994
Ion Ratio Lower Upper
196 100
198 93.5 77.2 115.8
97 46.6 36.2 54.4
132 23.2 19.9 29.9

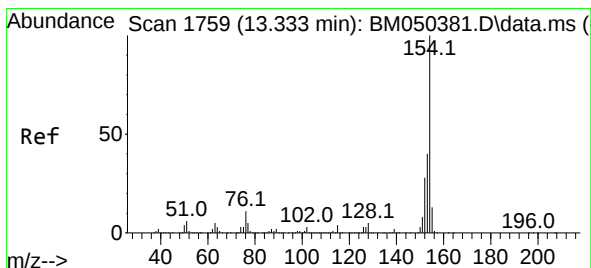
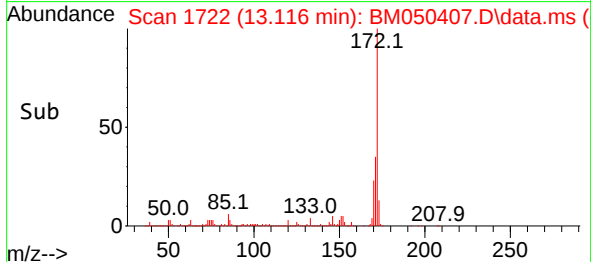
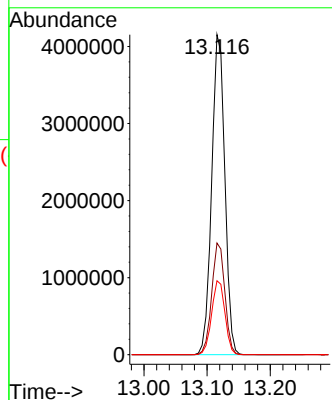
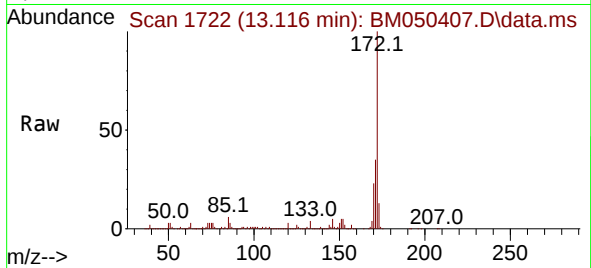




#45
2-Fluorobiphenyl
Concen: 73.488 ng
RT: 13.116 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

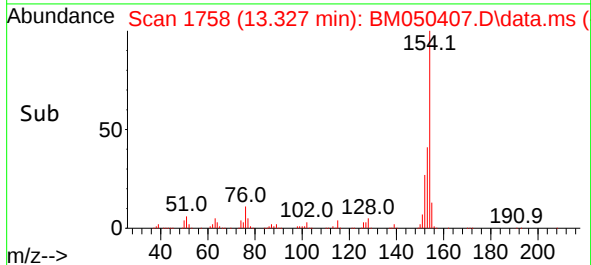
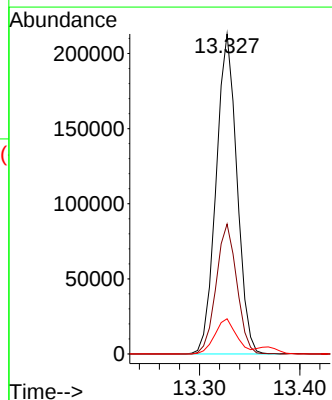
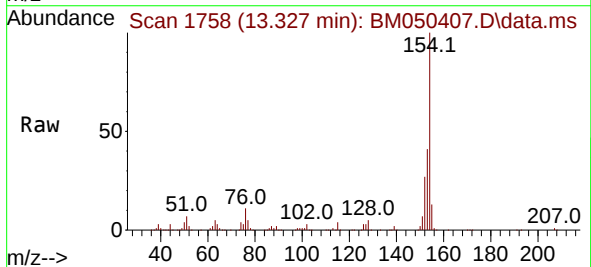
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

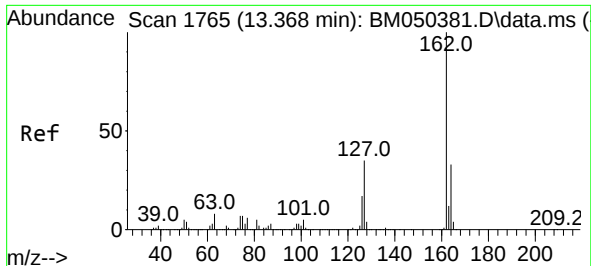
Tgt Ion:172 Resp: 5987659
Ion Ratio Lower Upper
172 100
171 34.9 27.7 41.5
170 23.1 18.8 28.2



#46
1,1'-Biphenyl
Concen: 4.113 ng
RT: 13.327 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:154 Resp: 307080
Ion Ratio Lower Upper
154 100
153 40.6 19.7 59.7
76 11.0 0.0 30.9

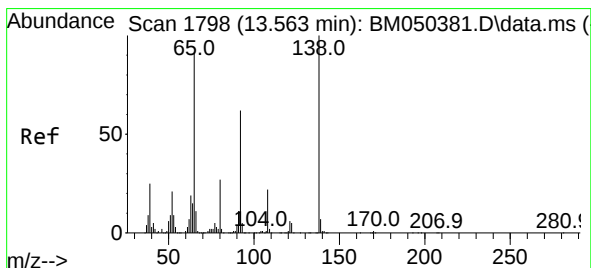
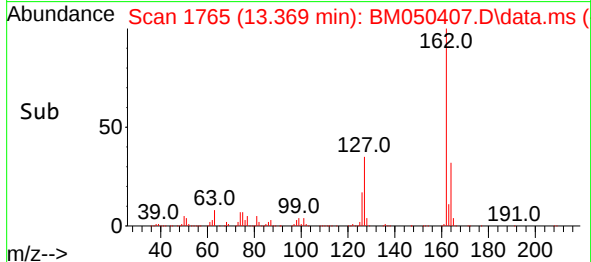
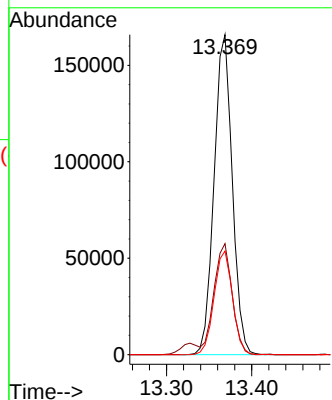
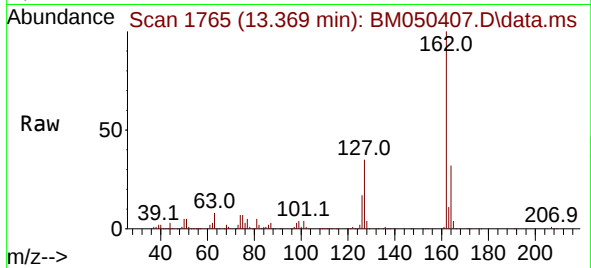




#47
2-Chloronaphthalene
Concen: 4.130 ng
RT: 13.369 min Scan# 1765
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

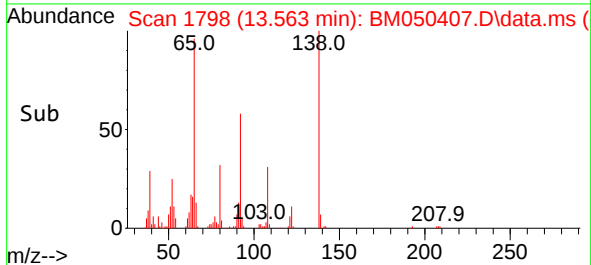
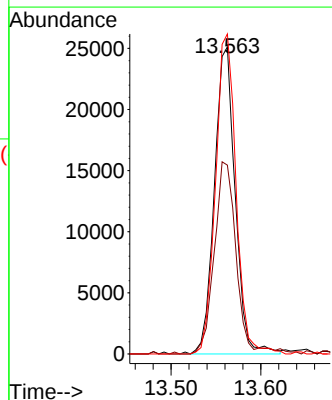
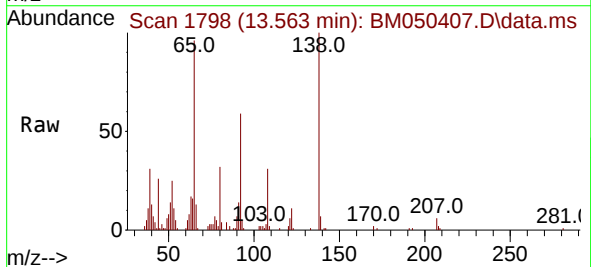
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

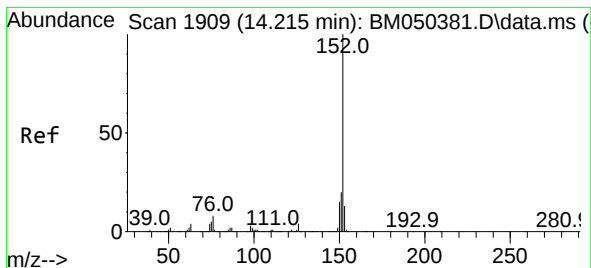
Tgt Ion:162 Resp: 245824
Ion Ratio Lower Upper
162 100
127 34.7 28.3 42.5
164 32.4 26.6 40.0



#48
2-Nitroaniline
Concen: 3.038 ng
RT: 13.563 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion: 65 Resp: 40360
Ion Ratio Lower Upper
65 100
92 61.5 54.3 81.5
138 104.2 87.8 131.6





#49

Acenaphthylene

Concen: 3.714 ng

RT: 14.210 min Scan# 1909

Delta R.T. -0.006 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

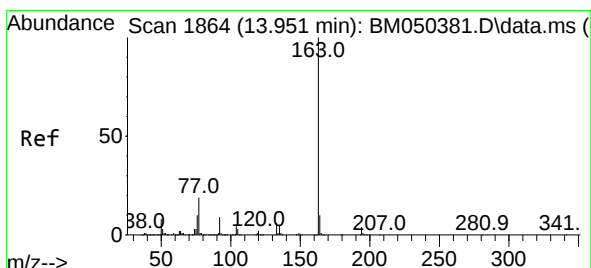
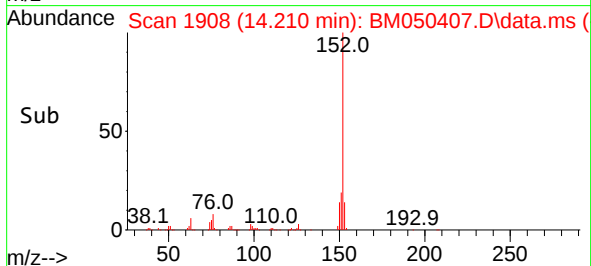
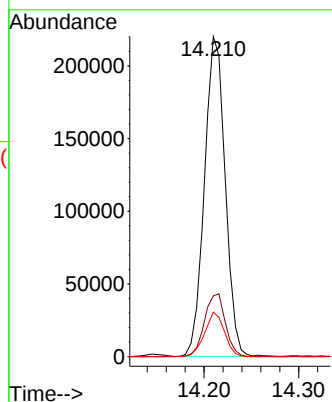
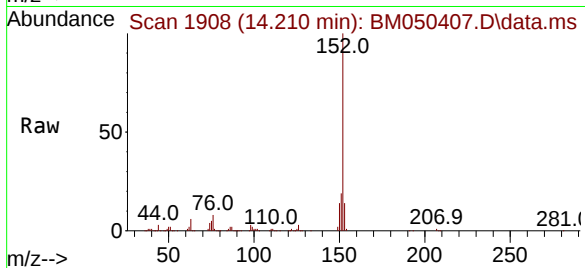
Tgt Ion:152 Resp: 334058

Ion Ratio Lower Upper

152 100

151 19.0 16.3 24.5

153 13.9 10.6 15.8



#50

Dimethylphthalate

Concen: 3.870 ng

RT: 13.945 min Scan# 1863

Delta R.T. -0.006 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

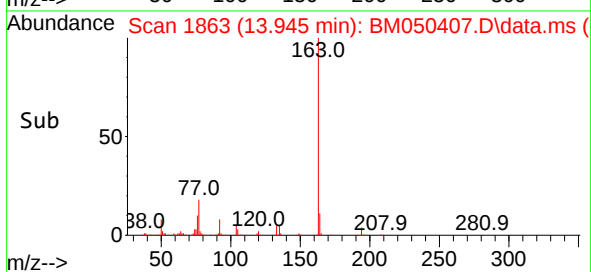
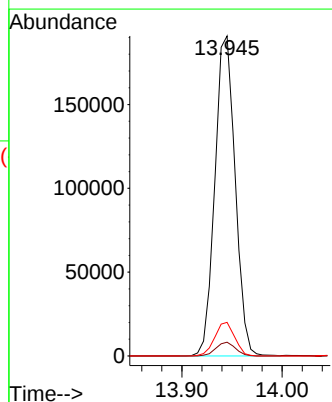
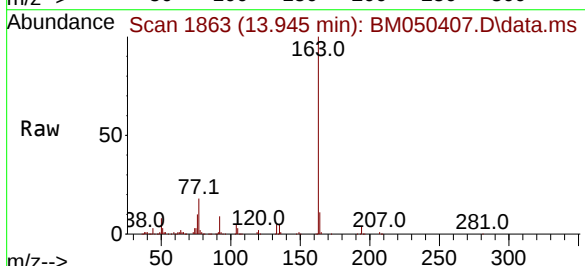
Tgt Ion:163 Resp: 268058

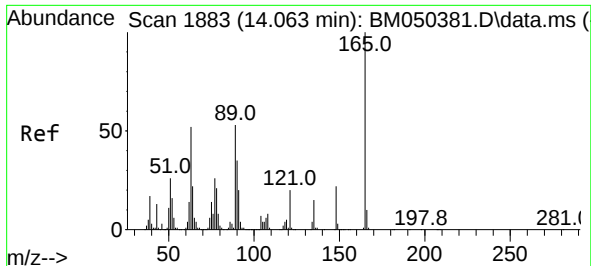
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.5 8.2 12.2

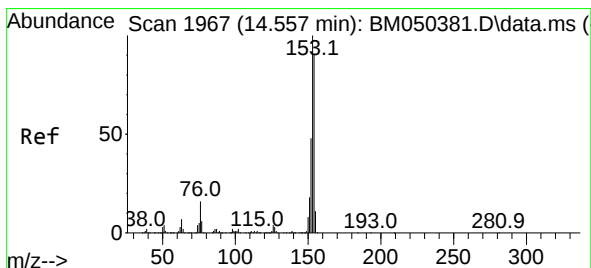
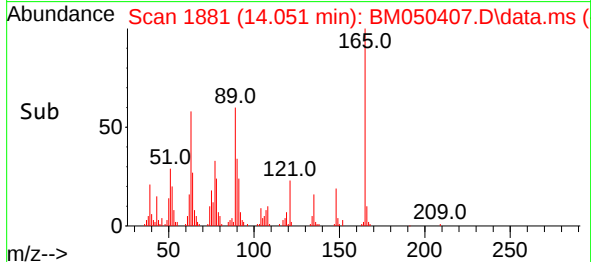
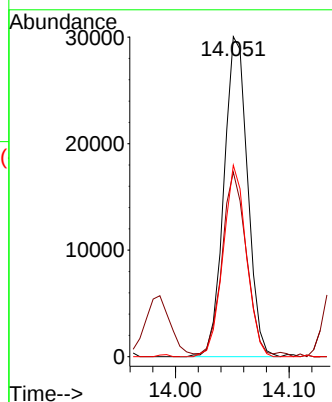
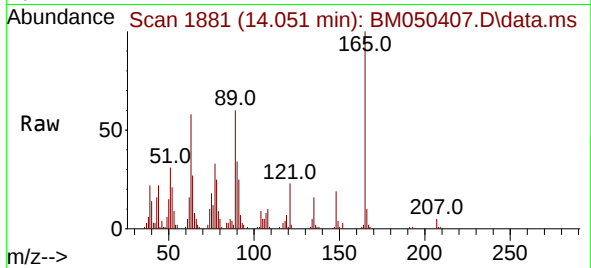




#51
2,6-Dinitrotoluene
Concen: 3.268 ng
RT: 14.051 min Scan# 1881
Delta R.T. -0.012 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

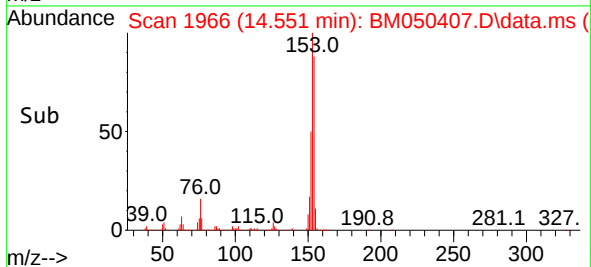
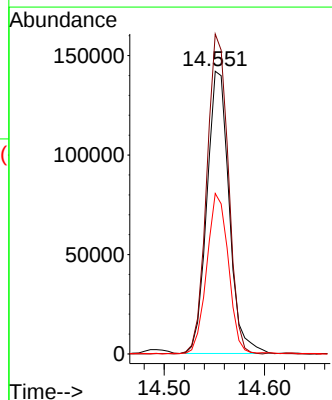
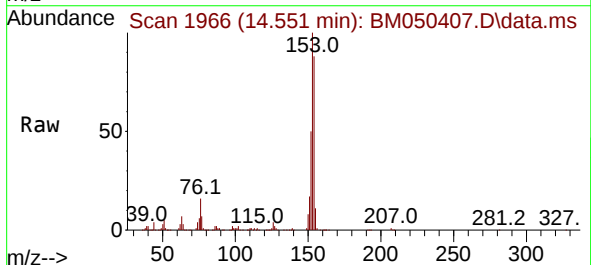
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

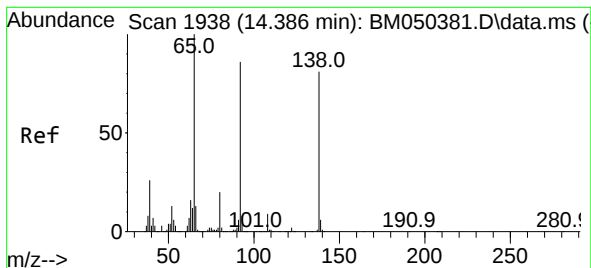
Tgt Ion:165 Resp: 43461
Ion Ratio Lower Upper
165 100
63 57.6 42.4 63.6
89 59.9 42.2 63.2



#52
Acenaphthene
Concen: 3.834 ng
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:154 Resp: 219275
Ion Ratio Lower Upper
154 100
153 113.2 89.2 133.8
152 56.8 42.6 64.0

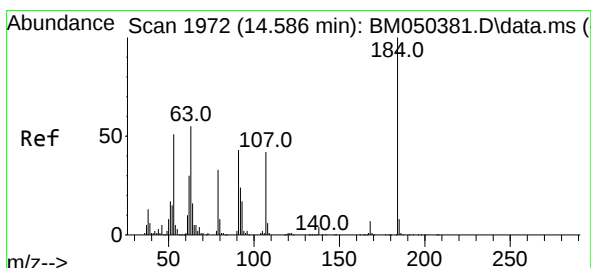
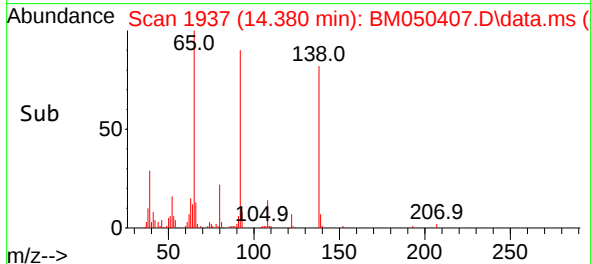
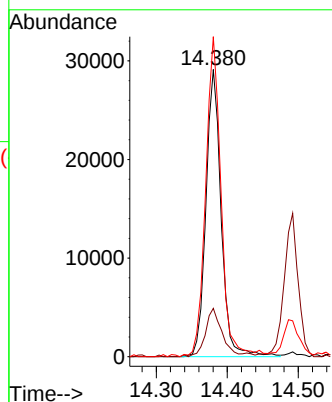
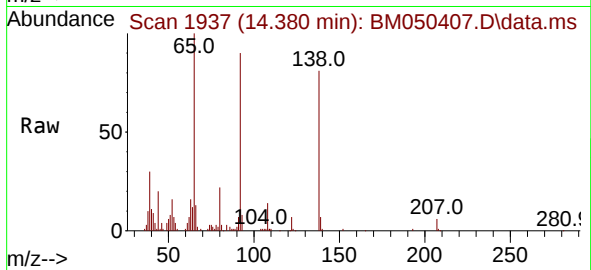




#53
3-Nitroaniline
Concen: 3.072 ng
RT: 14.380 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

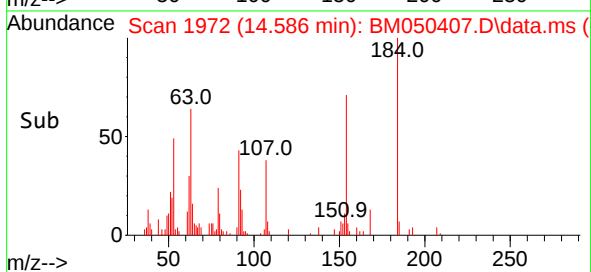
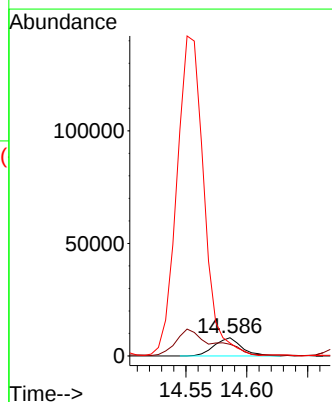
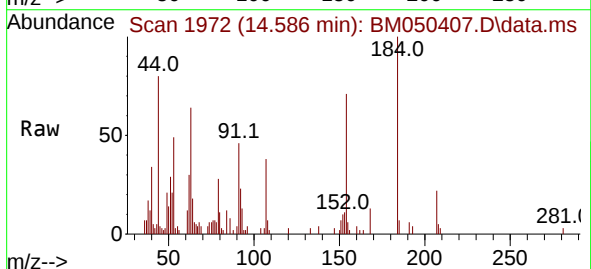
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

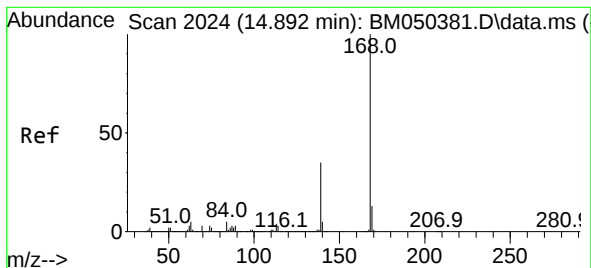
Tgt Ion:138 Resp: 43451
Ion Ratio Lower Upper
138 100
108 16.8 8.8 13.2#
92 111.4 85.0 127.6



#54
2,4-Dinitrophenol
Concen: 7.976 ng
RT: 14.586 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:184 Resp: 12515
Ion Ratio Lower Upper
184 100
63 63.7 53.4 80.0
154 70.5 61.6 92.4





#55

Dibenzenofuran

Concen: 4.014 ng

RT: 14.886 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

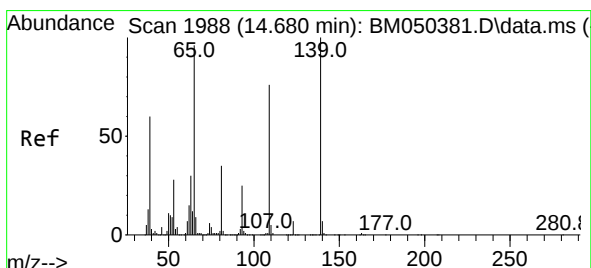
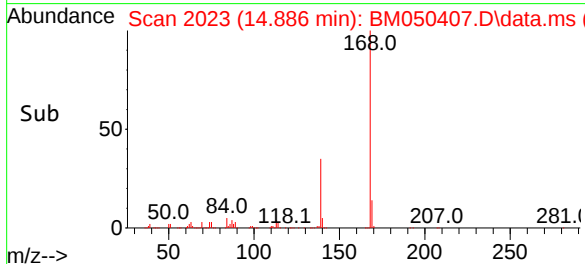
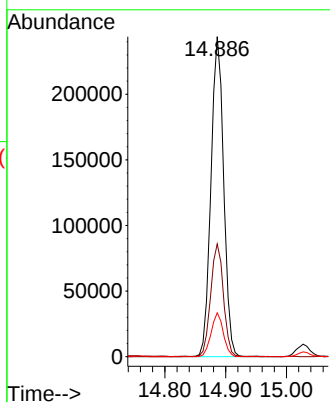
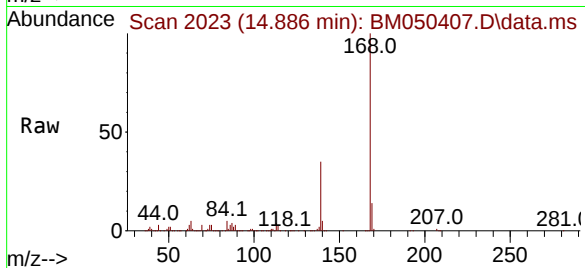
Tgt Ion:168 Resp: 353703

Ion Ratio Lower Upper

168 100

139 35.3 27.7 41.5

169 13.7 10.7 16.1



#56

4-Nitrophenol

Concen: 2.402 ng

RT: 14.680 min Scan# 1988

Delta R.T. 0.000 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

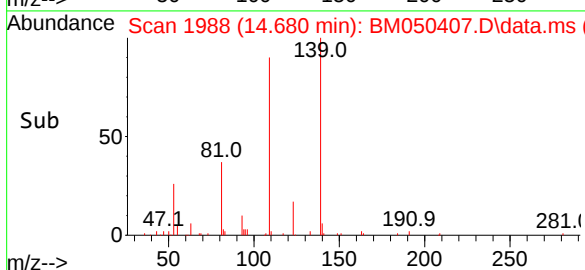
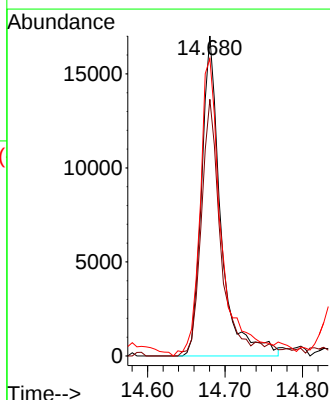
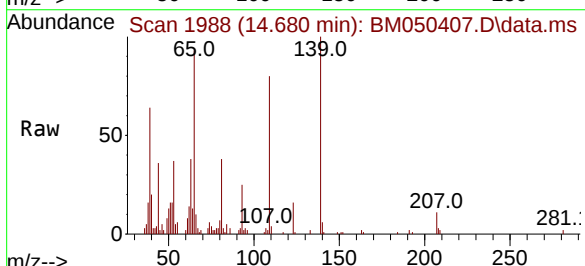
Tgt Ion:139 Resp: 29222

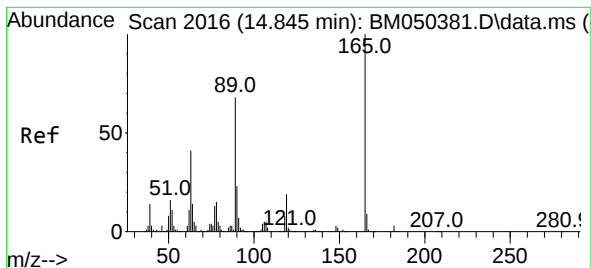
Ion Ratio Lower Upper

139 100

109 80.2 56.5 96.5

65 93.0 76.4 116.4

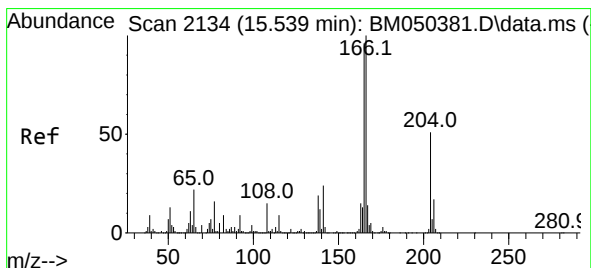
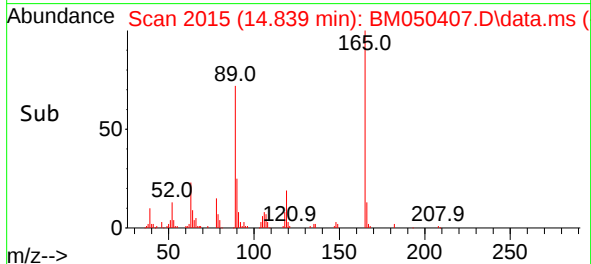
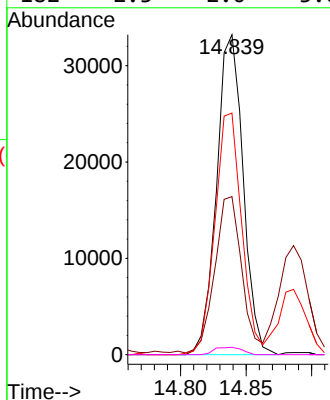
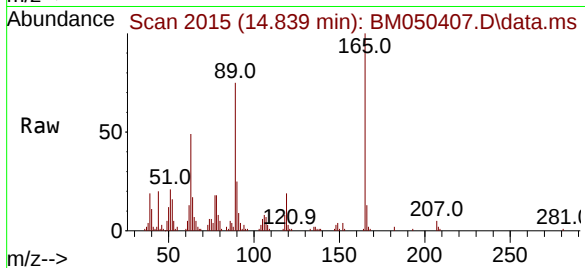




#57
2,4-Dinitrotoluene
Concen: 4.941 ng
RT: 14.839 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

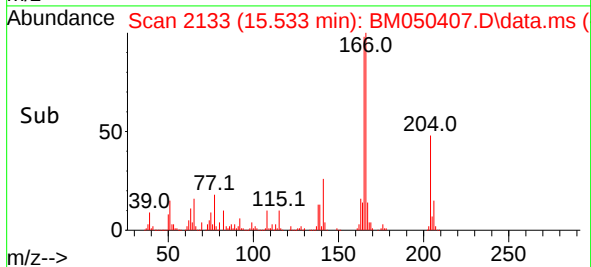
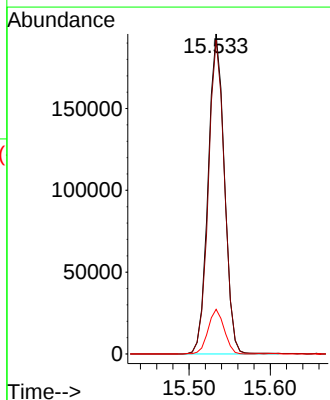
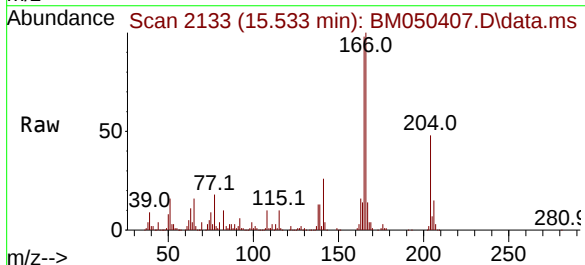
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

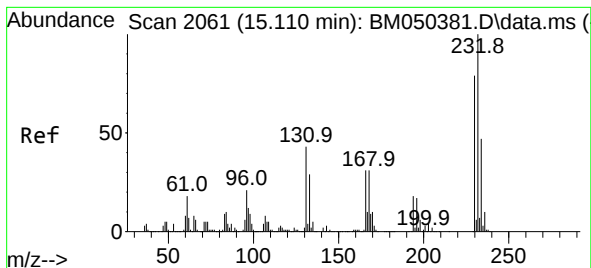
Tgt Ion:165 Resp: 46798
Ion Ratio Lower Upper
165 100
63 49.4 32.5 48.7#
89 75.5 54.0 81.0
182 2.3 2.0 3.0



#58
Fluorene
Concen: 3.739 ng
RT: 15.533 min Scan# 2133
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:166 Resp: 271404
Ion Ratio Lower Upper
166 100
165 98.1 77.0 115.6
167 14.0 10.9 16.3

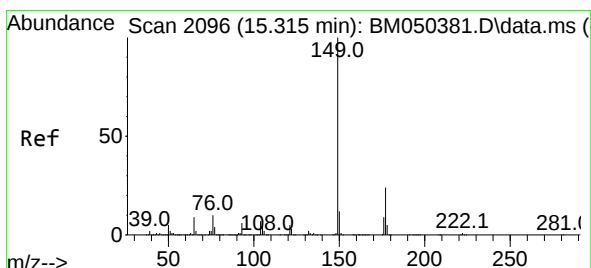
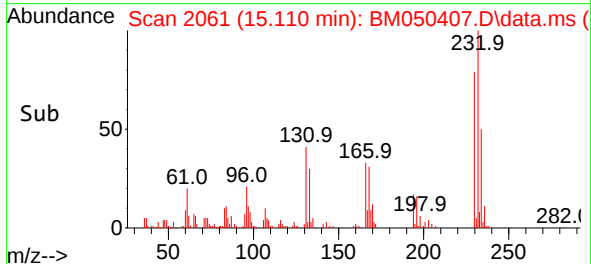
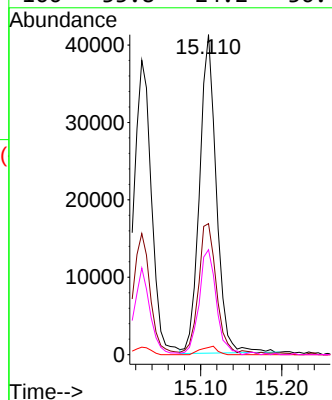
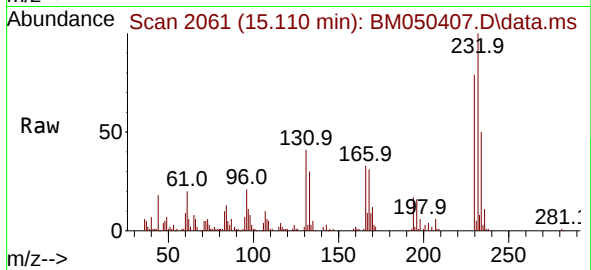




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.268 ng
RT: 15.110 min Scan# 2061
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

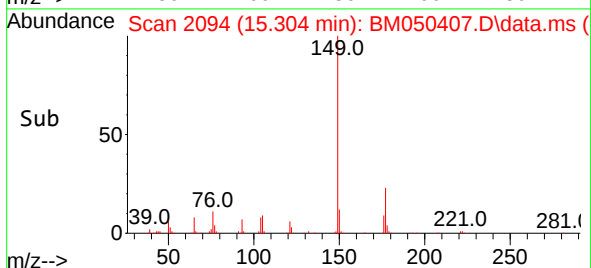
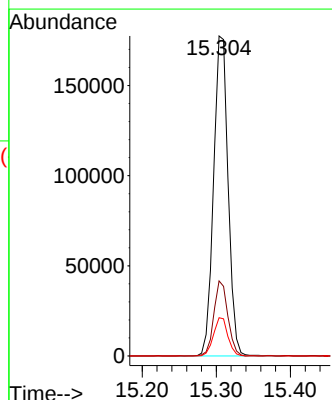
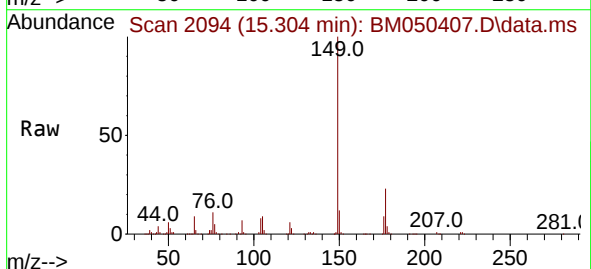
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

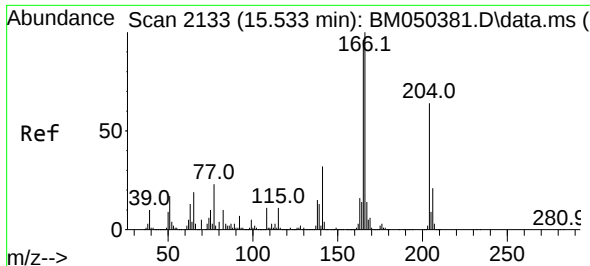
Tgt Ion:	232	Resp:	59170
Ion Ratio	Lower	Upper	
232	100		
131	43.6	33.4	50.0
130	2.6	1.8	2.6
166	33.8	24.2	36.4



#60
Diethylphthalate
Concen: 3.641 ng
RT: 15.304 min Scan# 2094
Delta R.T. -0.012 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:	149	Resp:	240967
Ion Ratio	Lower	Upper	
149	100		
177	23.4	18.8	28.2
150	12.0	9.8	14.8

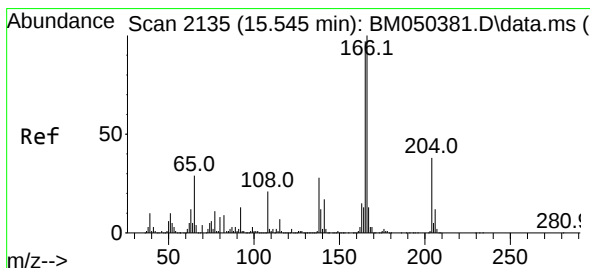
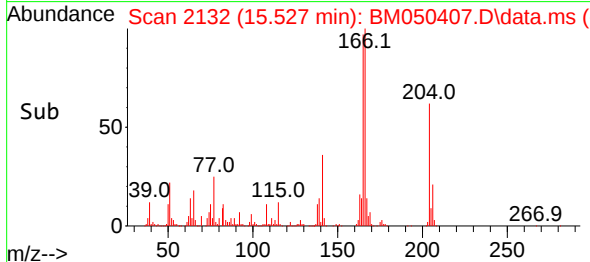
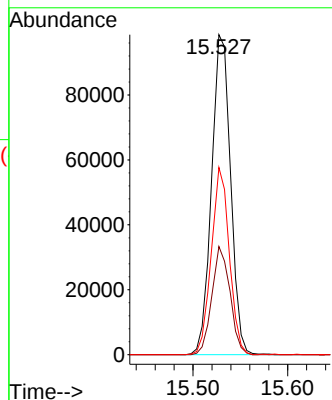
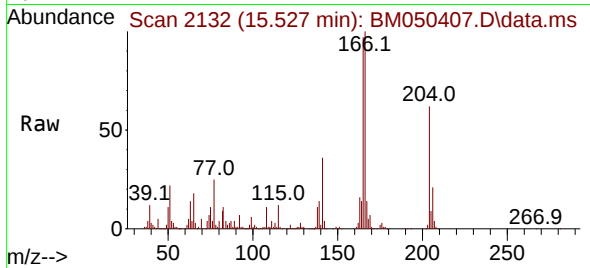




#61
4-Chlorophenyl-phenylether
Concen: 3.611 ng
RT: 15.527 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

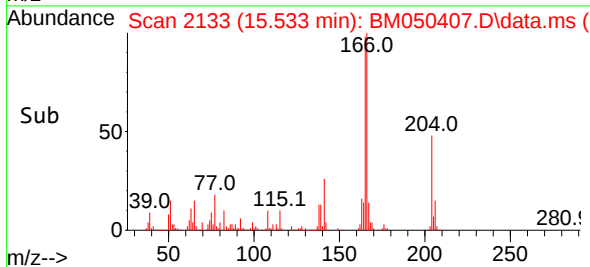
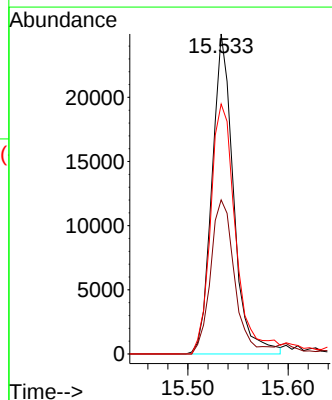
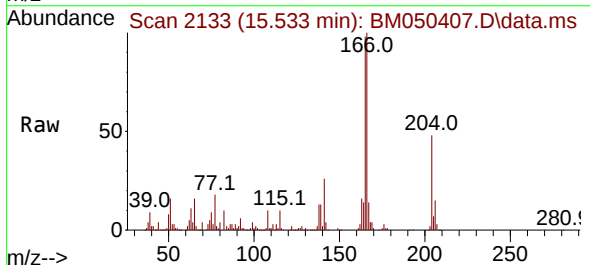
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

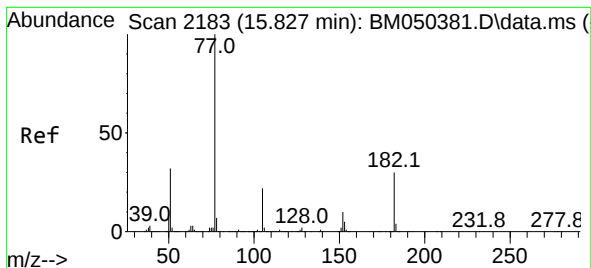
Tgt Ion:204 Resp: 137044
Ion Ratio Lower Upper
204 100
206 33.8 26.6 39.8
141 58.5 39.9 59.9



#62
4-Nitroaniline
Concen: 4.757 ng
RT: 15.533 min Scan# 2133
Delta R.T. -0.012 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:138 Resp: 37296
Ion Ratio Lower Upper
138 100
92 48.1 24.5 64.5
108 78.1 52.5 92.5





#63

Azobenzene

Concen: 3.463 ng

RT: 15.821 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion: 77 Resp: 210422

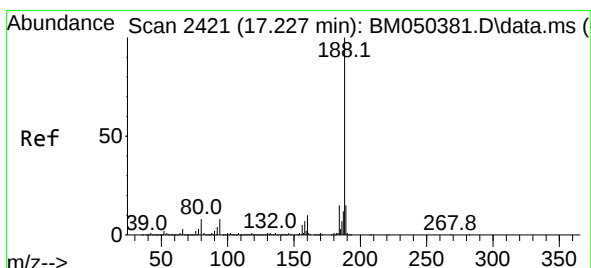
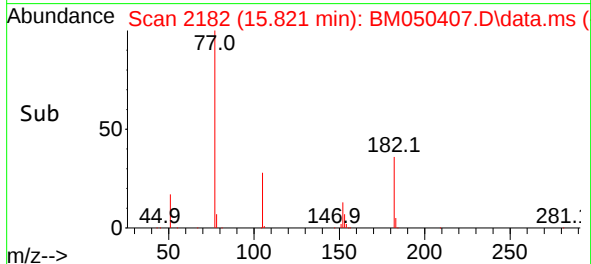
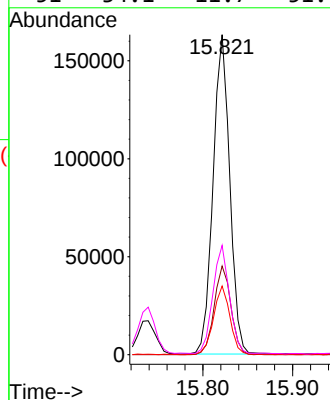
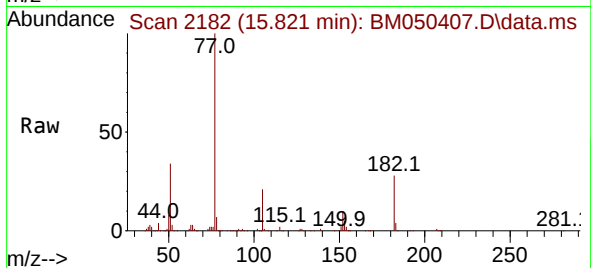
Ion Ratio Lower Upper

77 100

182 27.7 10.0 50.0

105 21.5 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: BM050407.D

Acq: 11 Jul 2025 10:59

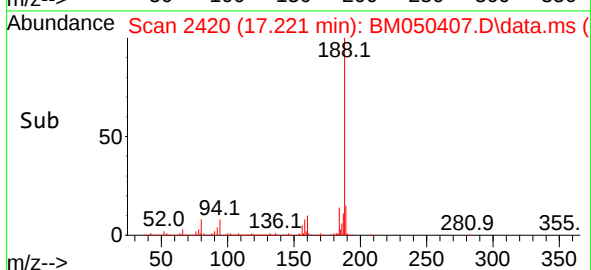
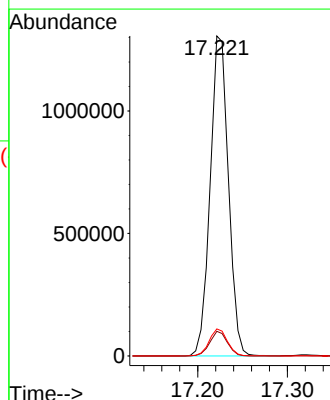
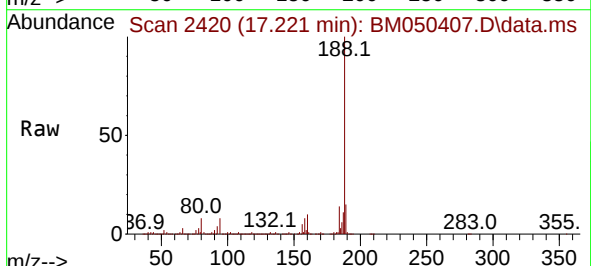
Tgt Ion:188 Resp: 1845780

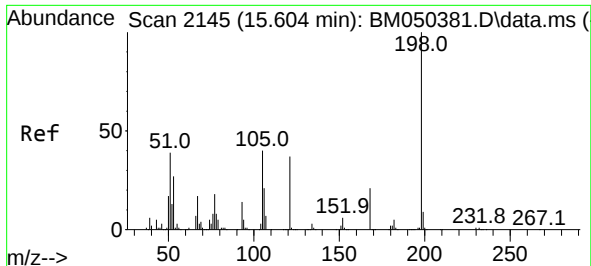
Ion Ratio Lower Upper

188 100

94 7.7 6.0 9.0

80 8.4 6.5 9.7

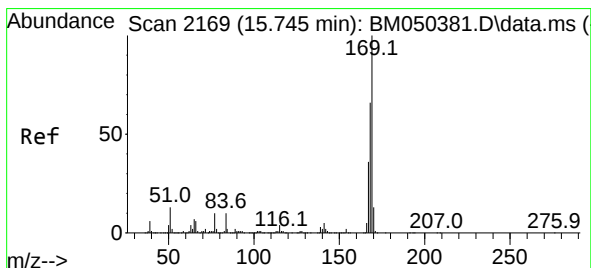
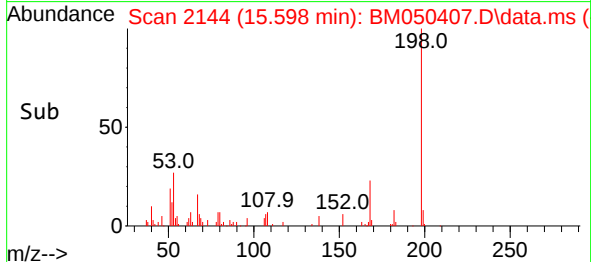
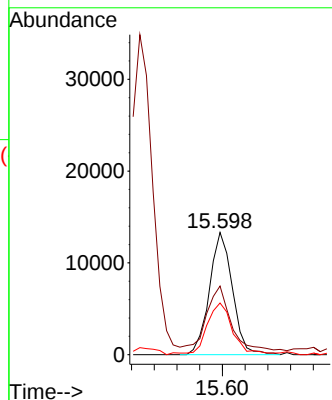
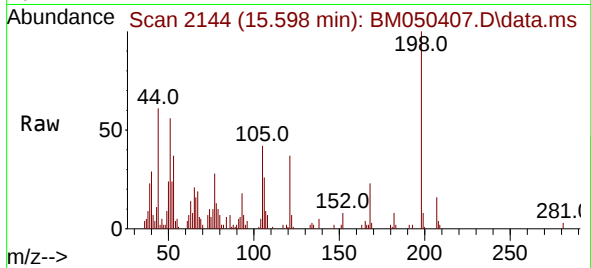




#65
4,6-Dinitro-2-methylphenol
Concen: 7.943 ng
RT: 15.598 min Scan# 2144
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

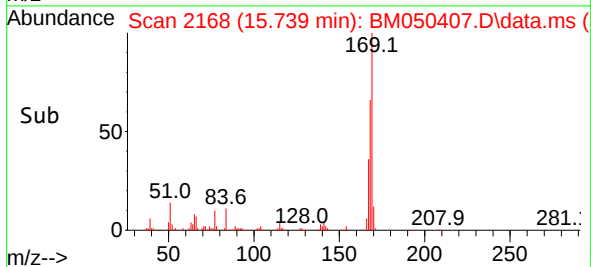
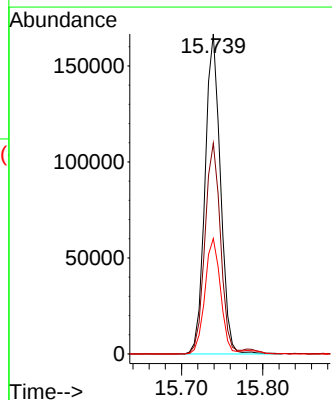
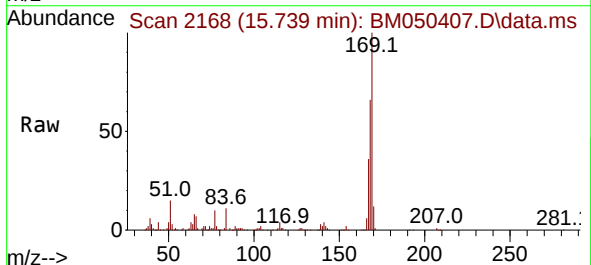
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

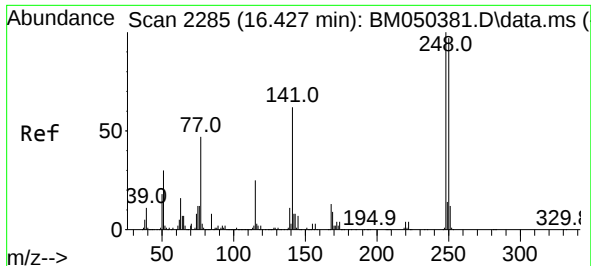
Tgt Ion:198 Resp: 18742
Ion Ratio Lower Upper
198 100
51 56.2 26.6 66.6
105 42.4 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 3.800 ng
RT: 15.739 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:169 Resp: 219487
Ion Ratio Lower Upper
169 100
168 65.8 53.2 79.8
167 36.0 28.7 43.1

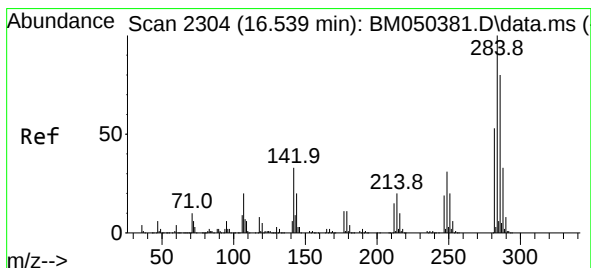
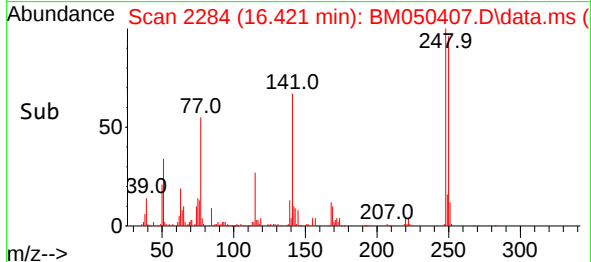
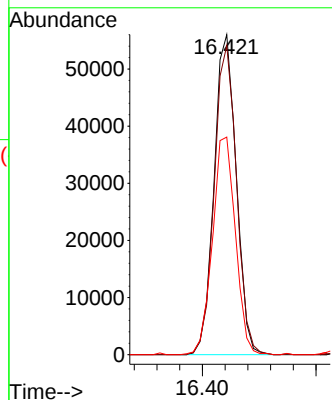
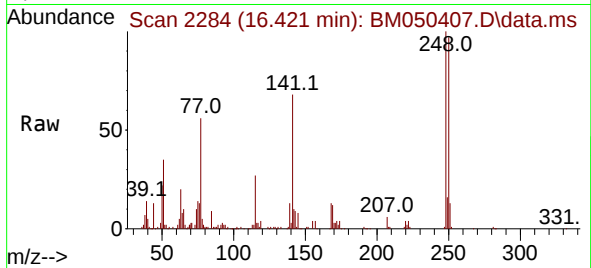




#67
4-Bromophenyl-phenylether
Concen: 3.734 ng
RT: 16.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

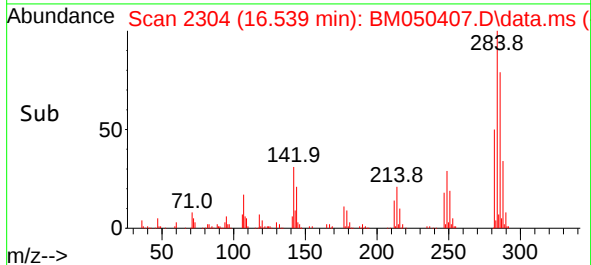
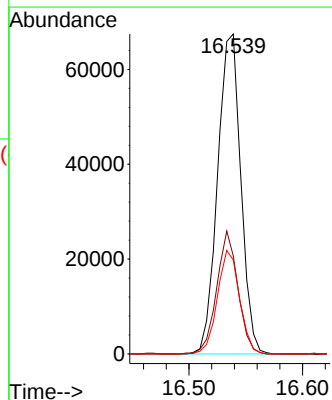
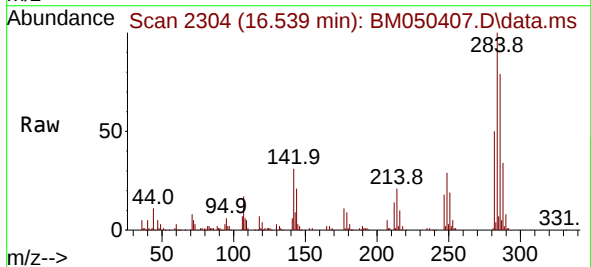
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

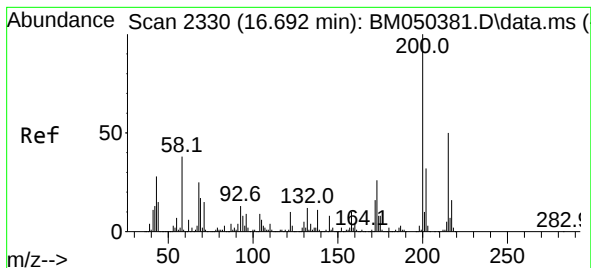
Tgt Ion:248 Resp: 75934
Ion Ratio Lower Upper
248 100
250 96.6 77.9 116.9
141 68.0 49.7 74.5



#68
Hexachlorobenzene
Concen: 3.994 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:284 Resp: 95935
Ion Ratio Lower Upper
284 100
142 30.6 26.8 40.2
249 29.4 24.5 36.7





#69

Atrazine

Concen: 3.297 ng

RT: 16.686 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

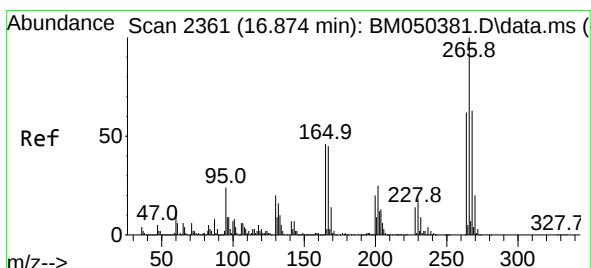
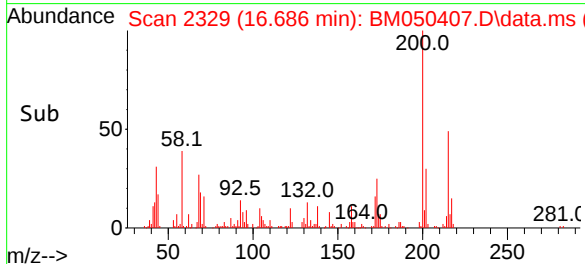
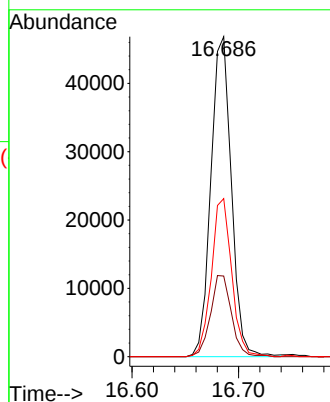
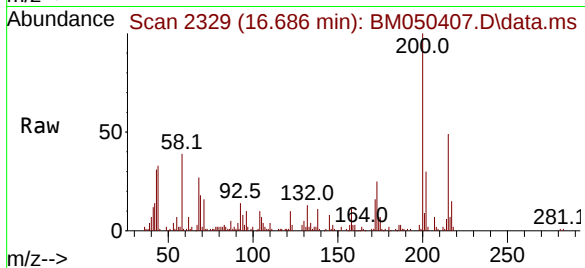
Tgt Ion:200 Resp: 62521

Ion Ratio Lower Upper

200 100

173 25.2 5.6 45.6

215 49.4 29.6 69.6



#70

Pentachlorophenol

Concen: 2.862 ng

RT: 16.874 min Scan# 2361

Delta R.T. 0.000 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

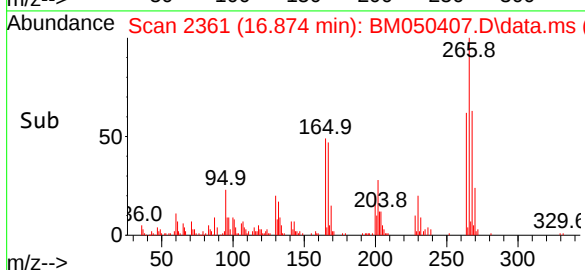
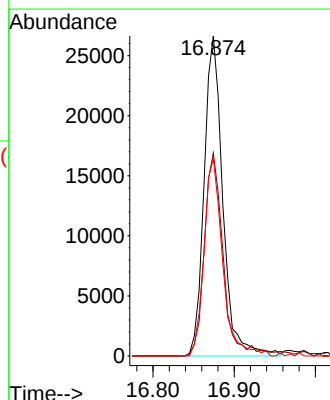
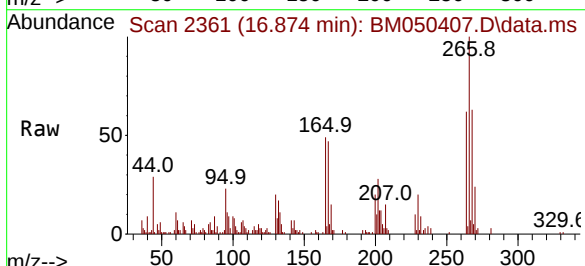
Tgt Ion:266 Resp: 42794

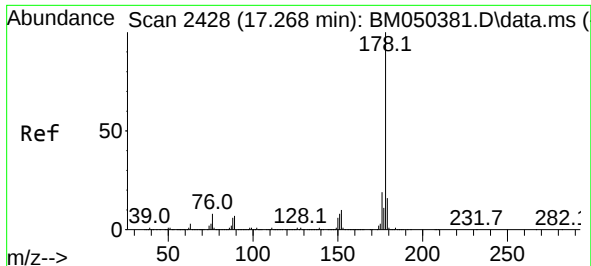
Ion Ratio Lower Upper

266 100

268 63.5 50.5 75.7

264 61.7 49.9 74.9

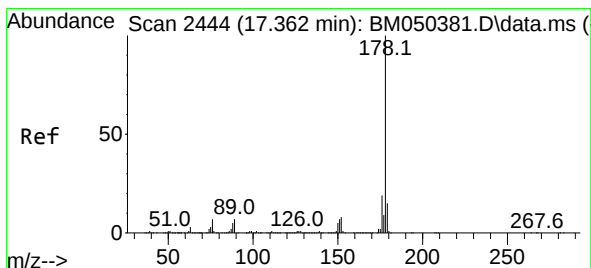
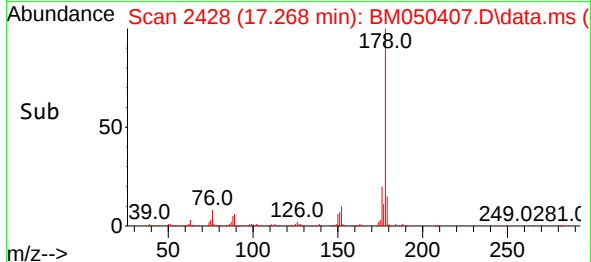
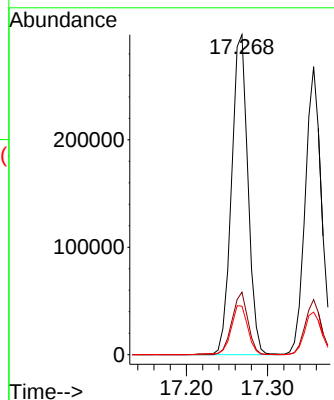
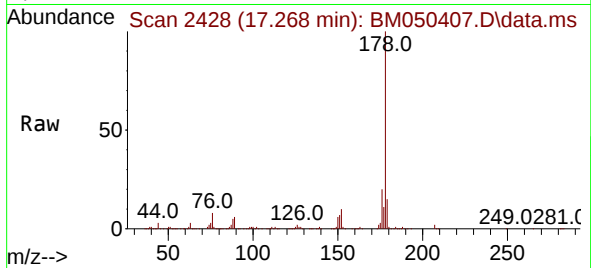




#71
Phenanthrene
Concen: 3.992 ng
RT: 17.268 min Scan# 2428
Delta R.T. 0.000 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

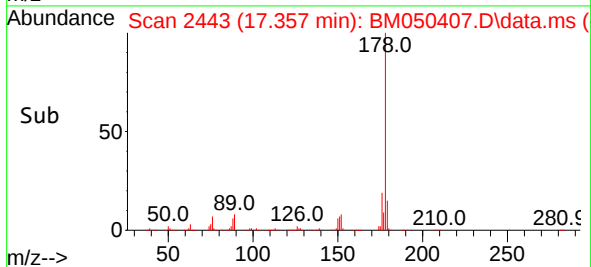
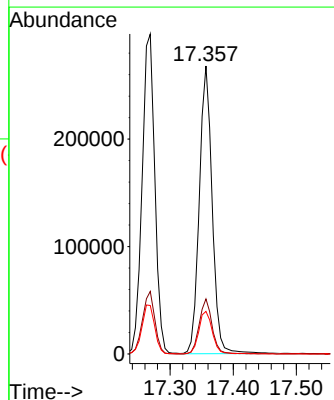
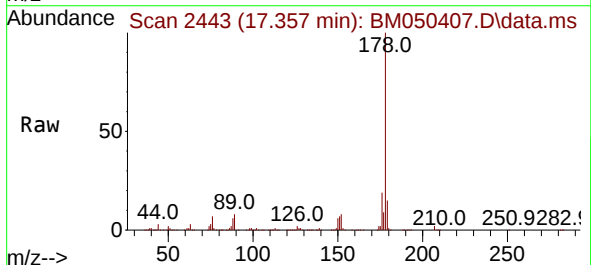
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

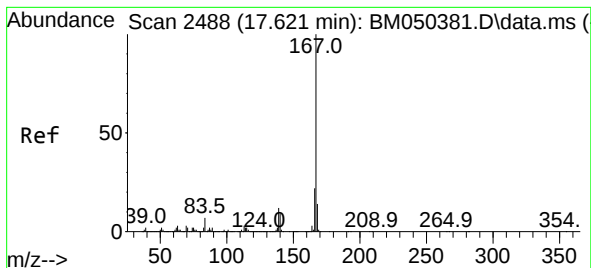
Tgt Ion:178 Resp: 416893
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.2 12.5 18.7



#72
Anthracene
Concen: 3.641 ng
RT: 17.357 min Scan# 2443
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:178 Resp: 378486
Ion Ratio Lower Upper
178 100
176 19.1 14.9 22.3
179 14.8 12.2 18.4





#73

Carbazole

Concen: 3.601 ng

RT: 17.621 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

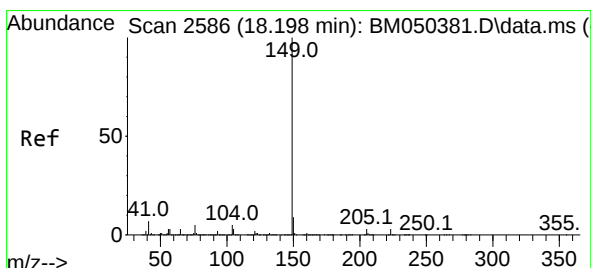
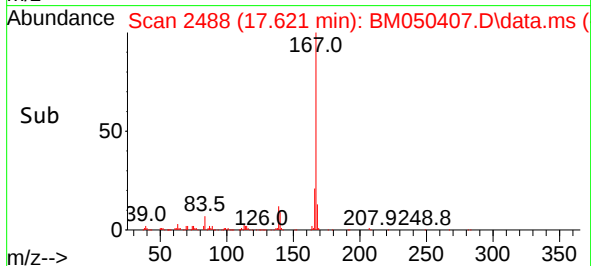
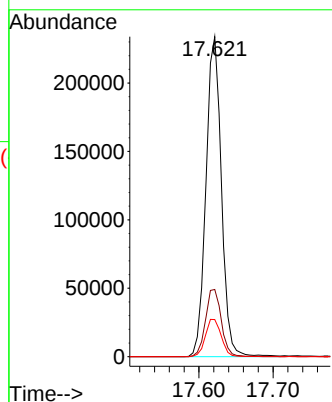
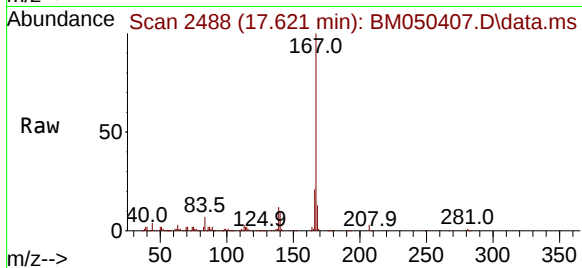
Tgt Ion:167 Resp: 338749

Ion Ratio Lower Upper

167 100

166 21.0 17.2 25.8

139 11.6 9.9 14.9



#74

Di-n-butylphthalate

Concen: 3.160 ng

RT: 18.192 min Scan# 2585

Delta R.T. -0.006 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

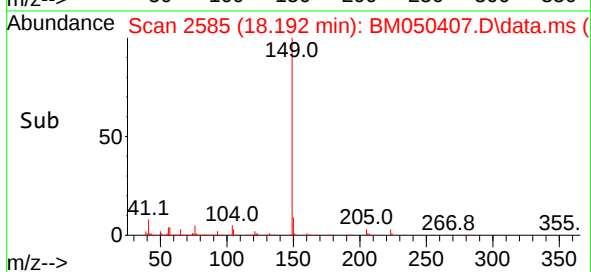
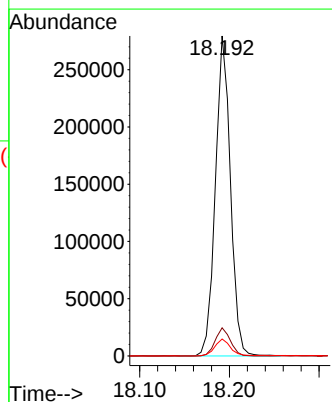
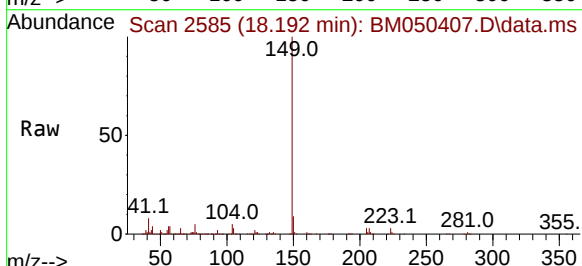
Tgt Ion:149 Resp: 325326

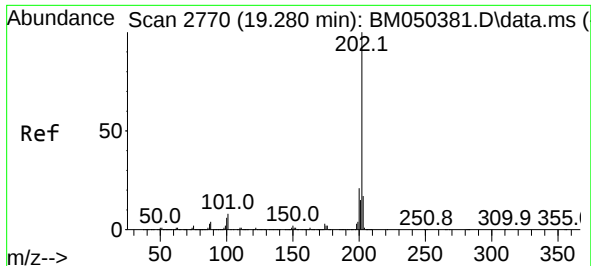
Ion Ratio Lower Upper

149 100

150 8.8 7.3 10.9

104 5.3 3.9 5.9

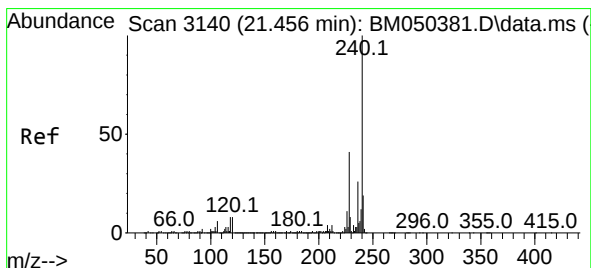
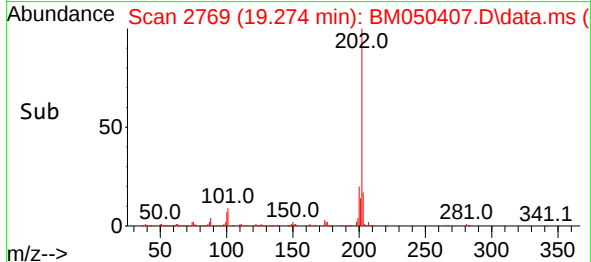
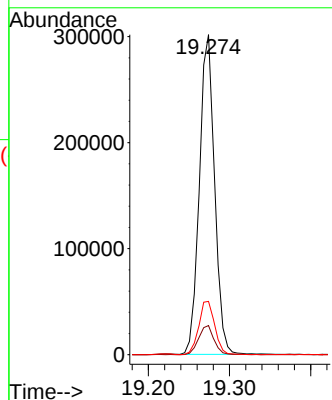
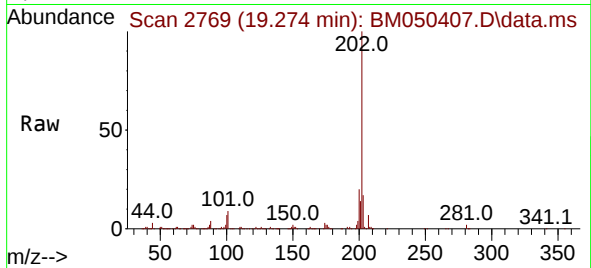




#75
Fluoranthene
Concen: 3.467 ng
RT: 19.274 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

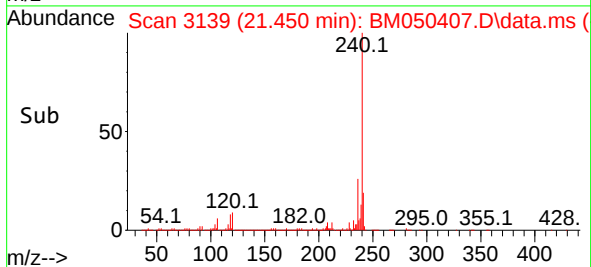
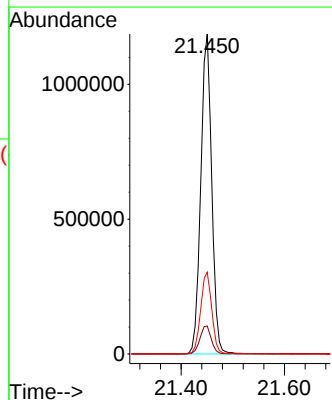
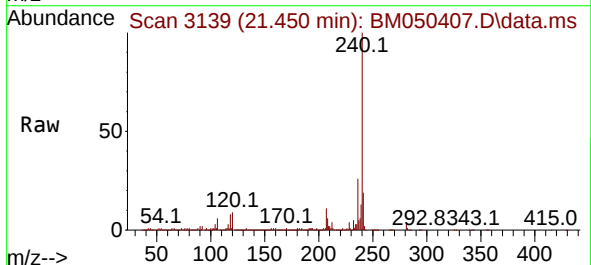
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

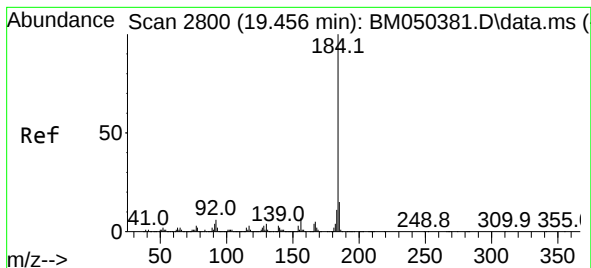
Tgt Ion:202 Resp: 393607
Ion Ratio Lower Upper
202 100
101 9.1 0.0 28.3
203 16.7 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3139
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:240 Resp: 1742549
Ion Ratio Lower Upper
240 100
120 8.8 6.7 10.1
236 25.6 20.7 31.1





#77

Benzidine

Concen: 2.908 ng

RT: 19.451 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

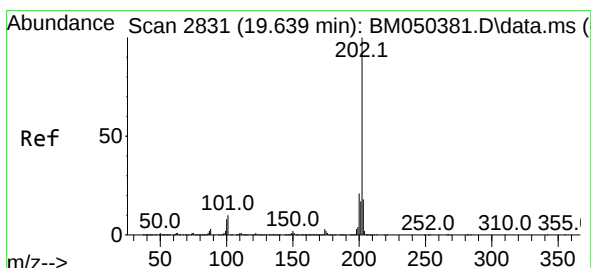
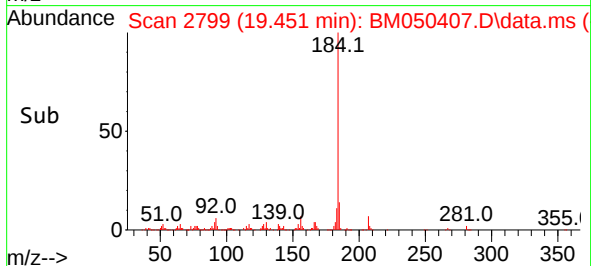
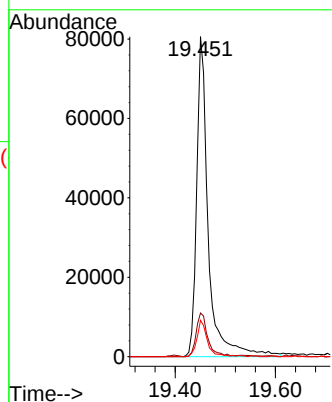
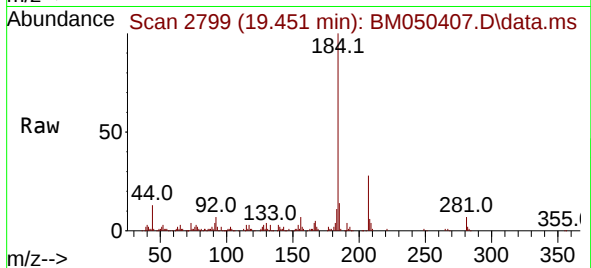
Tgt Ion:184 Resp: 129250

Ion Ratio Lower Upper

184 100

185 13.7 11.7 17.5

183 11.4 9.0 13.6



#78

Pyrene

Concen: 3.787 ng

RT: 19.633 min Scan# 2830

Delta R.T. -0.006 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

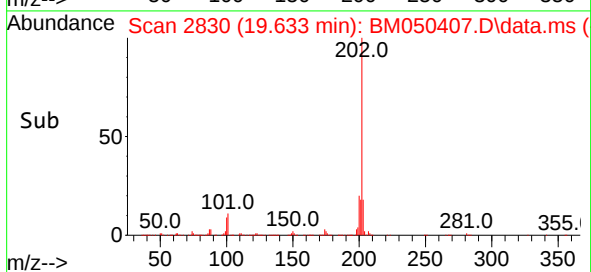
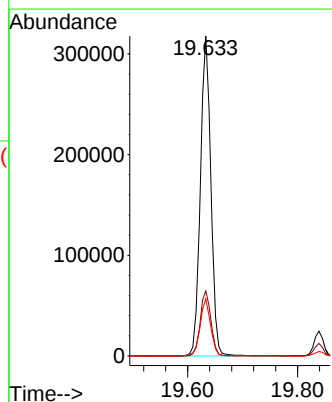
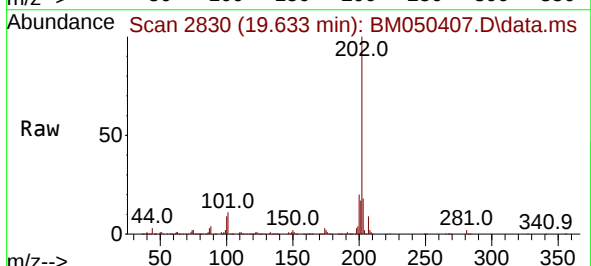
Tgt Ion:202 Resp: 422615

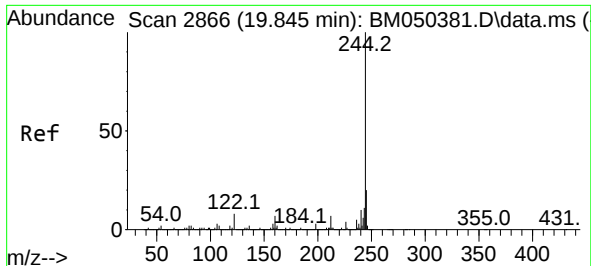
Ion Ratio Lower Upper

202 100

200 20.3 16.9 25.3

203 17.8 14.1 21.1

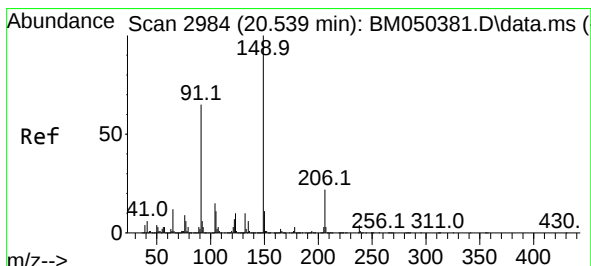
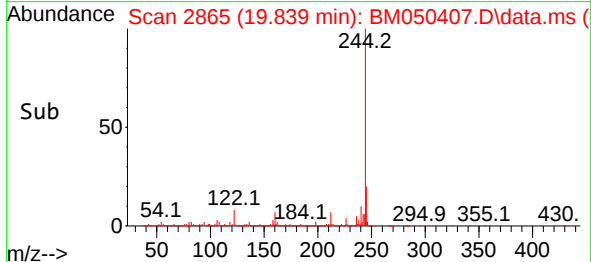
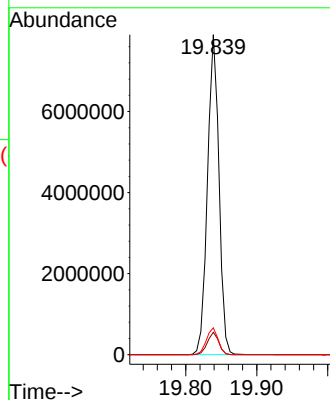
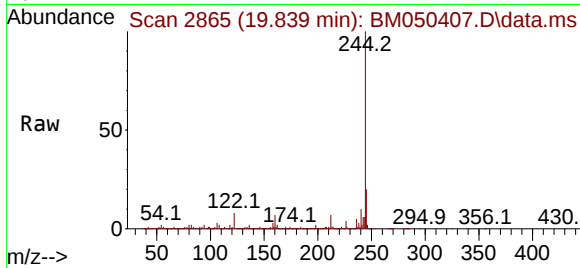




#79
 Terphenyl-d14
 Concen: 89.607 ng
 RT: 19.839 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM050407.D
 Acq: 11 Jul 2025 10:59

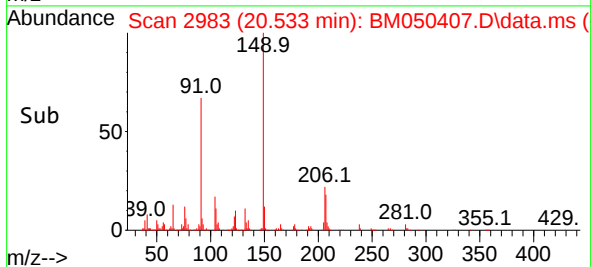
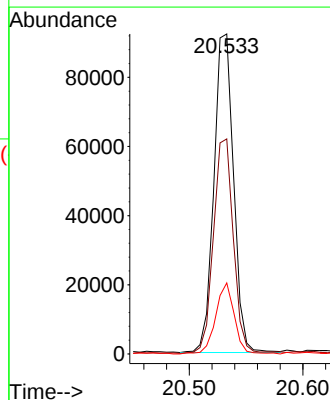
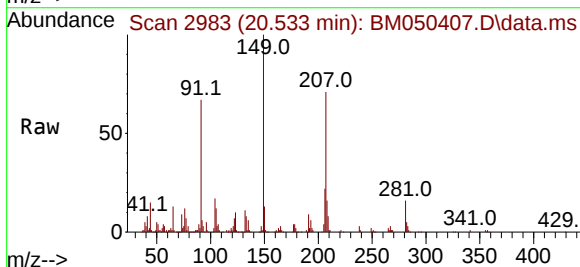
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

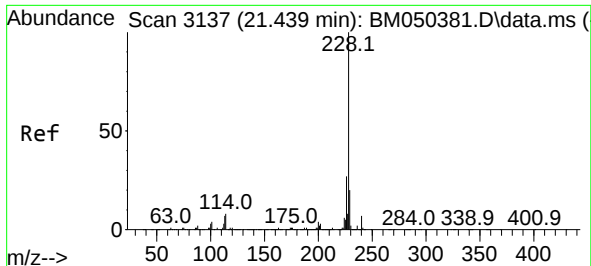
Tgt Ion:244 Resp: 8874607
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 8.4 6.2 9.2



#80
 Butylbenzylphthalate
 Concen: 3.015 ng
 RT: 20.533 min Scan# 2983
 Delta R.T. -0.006 min
 Lab File: BM050407.D
 Acq: 11 Jul 2025 10:59

Tgt Ion:149 Resp: 110947
 Ion Ratio Lower Upper
 149 100
 91 67.2 51.6 77.4
 206 22.2 17.8 26.8

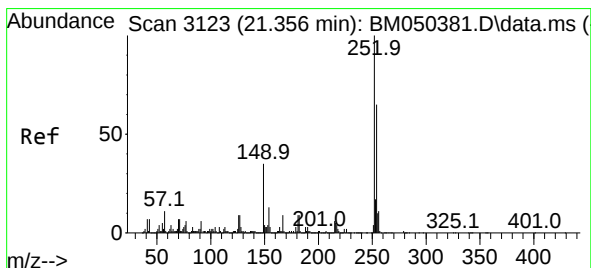
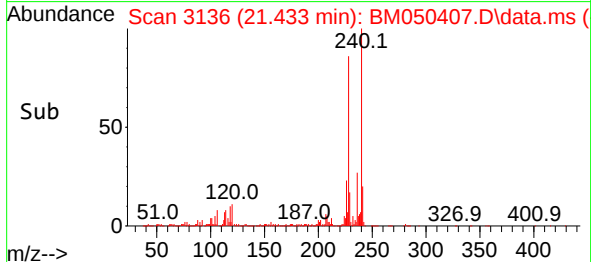
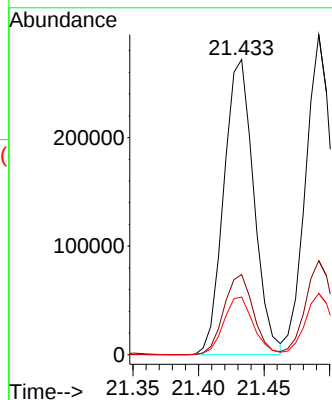
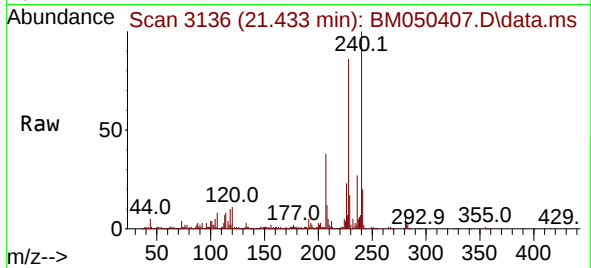




#81
Benzo(a)anthracene
Concen: 3.813 ng
RT: 21.433 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

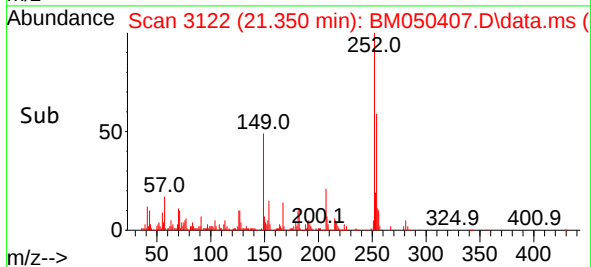
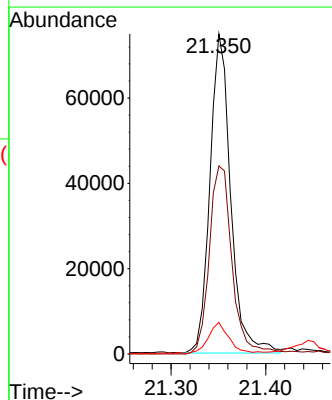
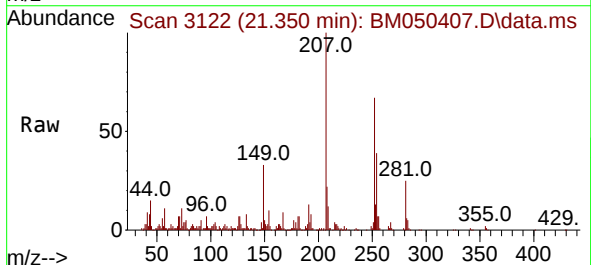
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

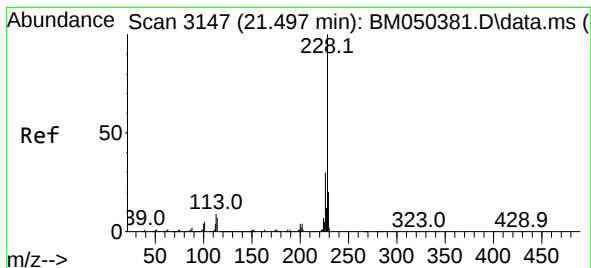
Tgt Ion:228 Resp: 432897
Ion Ratio Lower Upper
228 100
226 27.2 21.8 32.8
229 19.5 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 2.970 ng
RT: 21.350 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:252 Resp: 113738
Ion Ratio Lower Upper
252 100
254 58.8 51.7 77.5
126 9.9 7.3 10.9





#83

Chrysene

Concen: 3.934 ng

RT: 21.492 min Scan# 3147

Delta R.T. -0.006 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

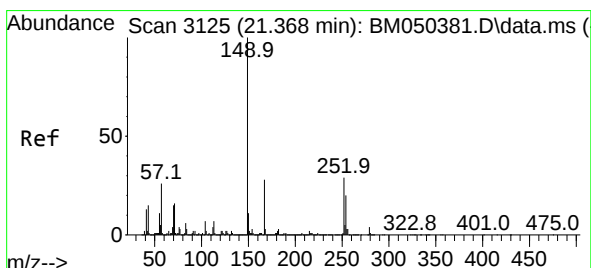
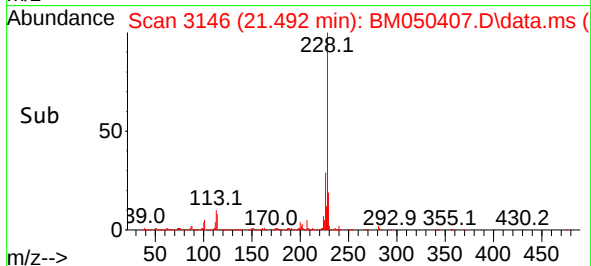
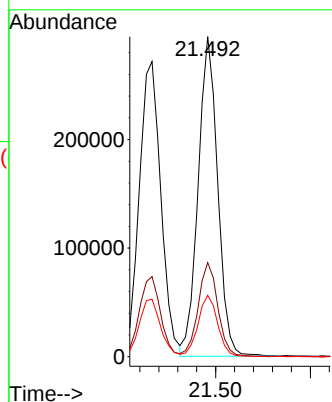
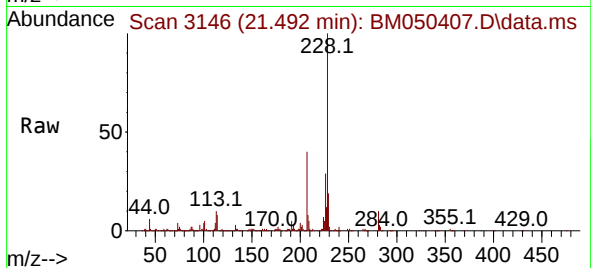
Tgt Ion:228 Resp: 421299

Ion Ratio Lower Upper

228 100

226 29.4 24.2 36.4

229 19.1 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.975 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.006 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

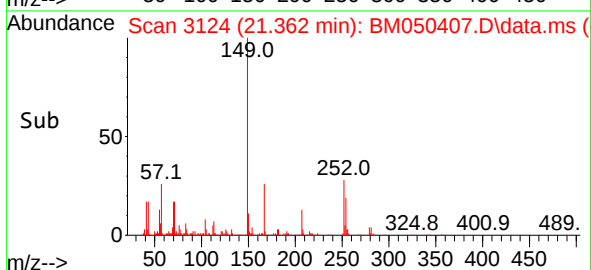
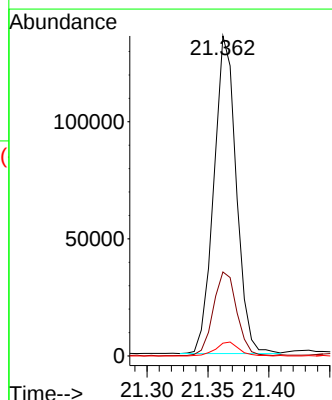
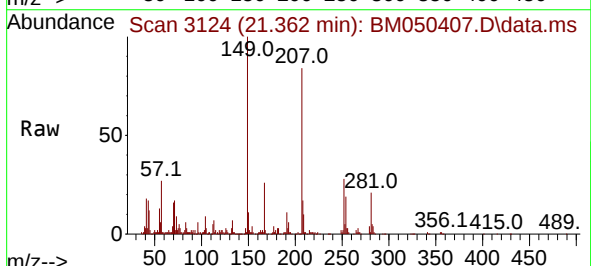
Tgt Ion:149 Resp: 173784

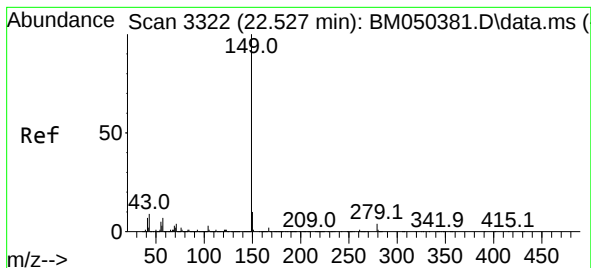
Ion Ratio Lower Upper

149 100

167 26.3 22.7 34.1

279 4.0 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 2.412 ng

RT: 22.515 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

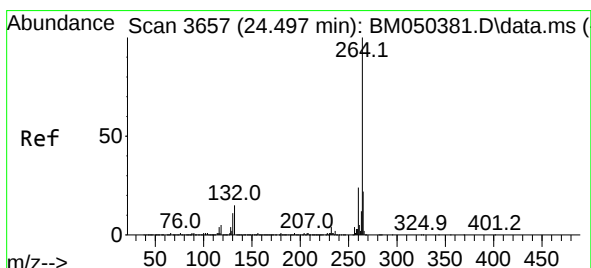
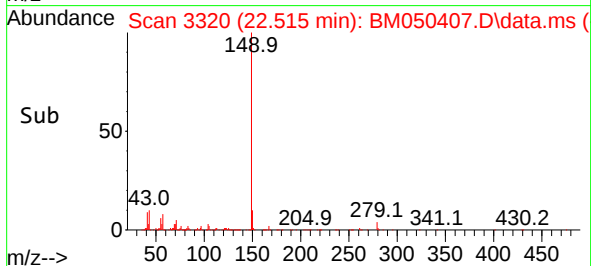
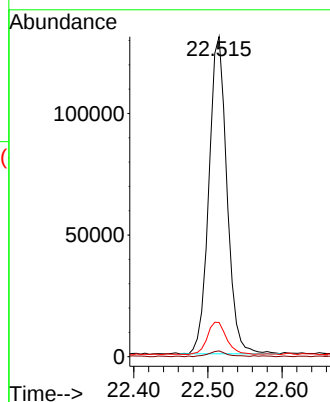
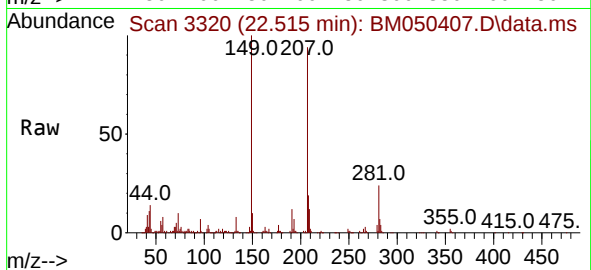
Tgt Ion:149 Resp: 220671

Ion Ratio Lower Upper

149 100

167 1.9 1.3 1.9#

43 10.8 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.486 min Scan# 3655

Delta R.T. -0.012 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

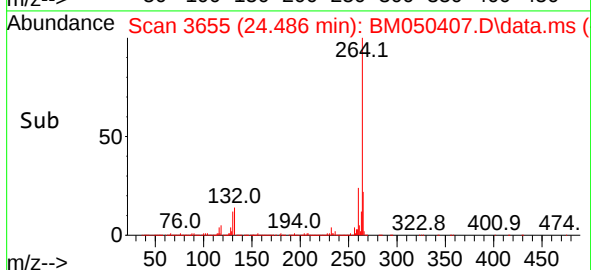
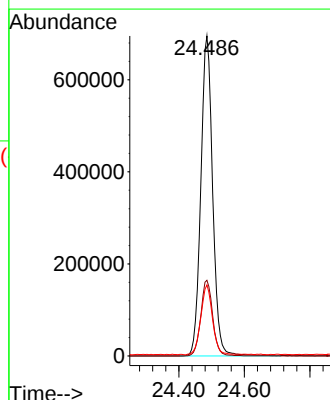
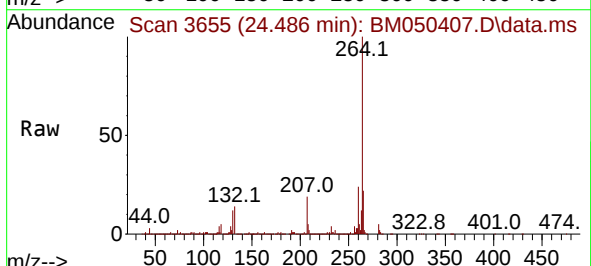
Tgt Ion:264 Resp: 1751119

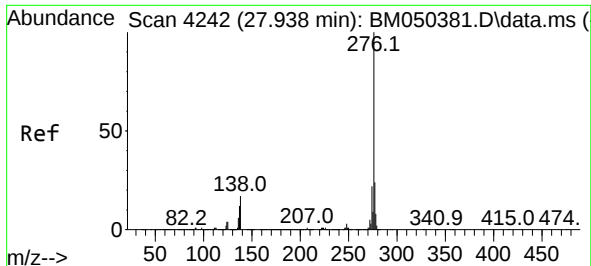
Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.2 17.8 26.6

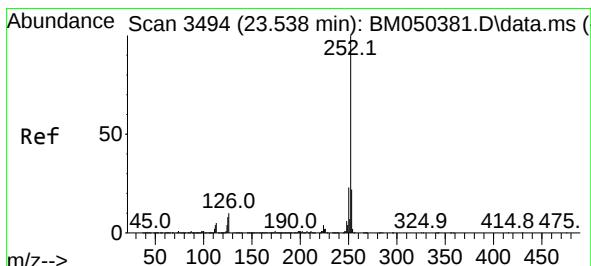
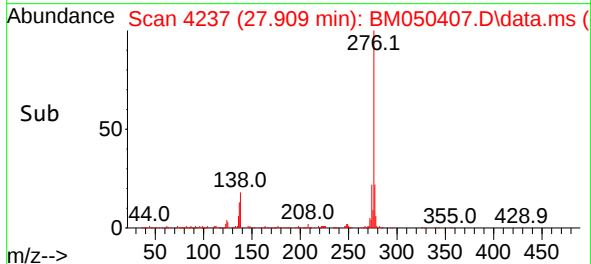
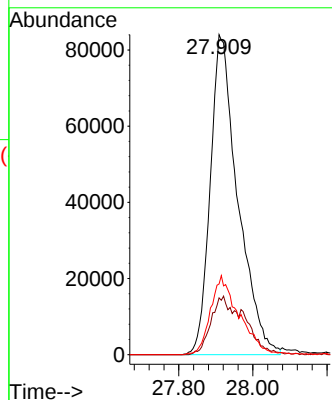
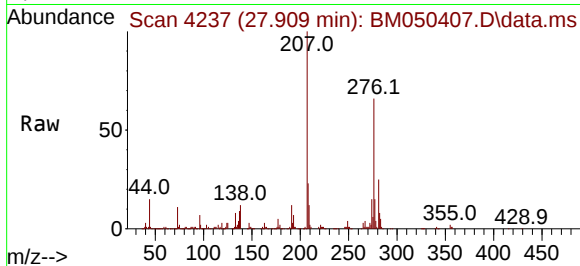




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.486 ng
 RT: 27.909 min Scan# 41
 Delta R.T. -0.029 min
 Lab File: BM050407.D
 Acq: 11 Jul 2025 10:59

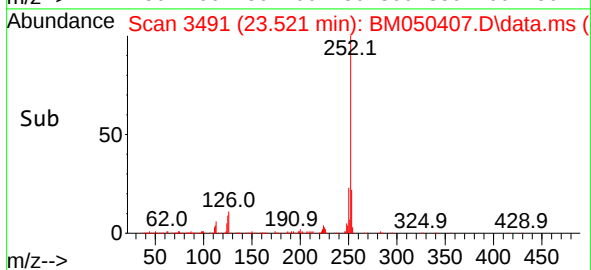
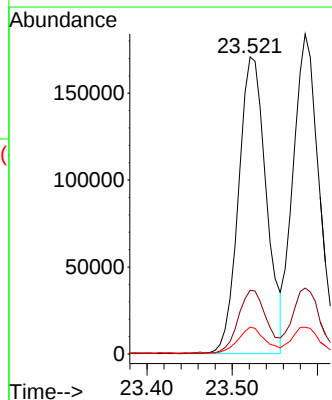
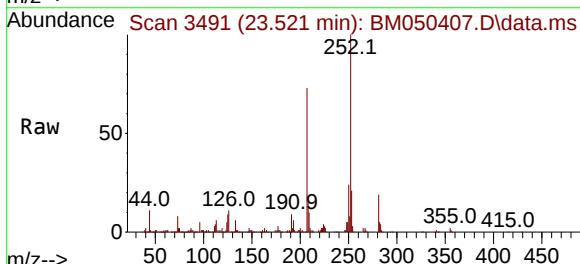
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

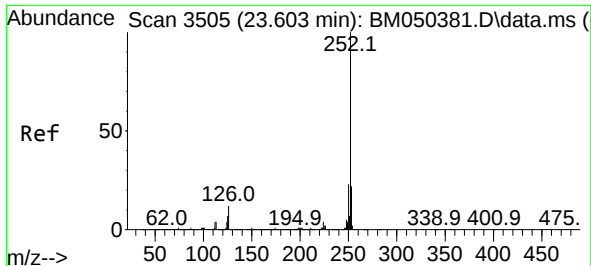
Tgt Ion:276 Resp: 434027
 Ion Ratio Lower Upper
 276 100
 138 15.4 17.0 25.6#
 277 25.3 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 3.600 ng
 RT: 23.521 min Scan# 3491
 Delta R.T. -0.017 min
 Lab File: BM050407.D
 Acq: 11 Jul 2025 10:59

Tgt Ion:252 Resp: 387766
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.8 26.6
 125 9.0 6.3 9.5

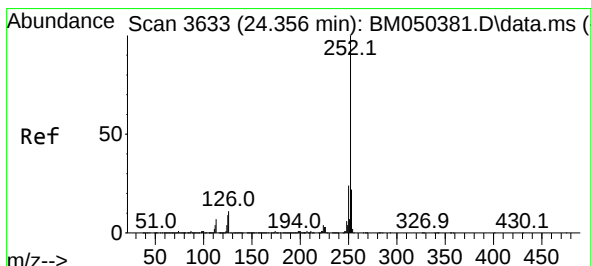
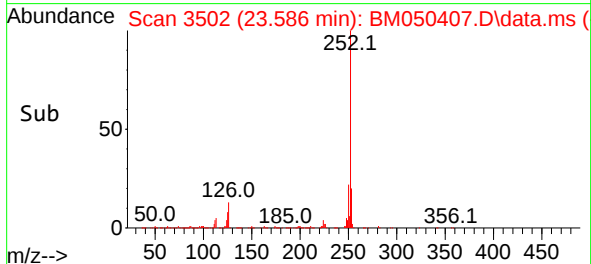
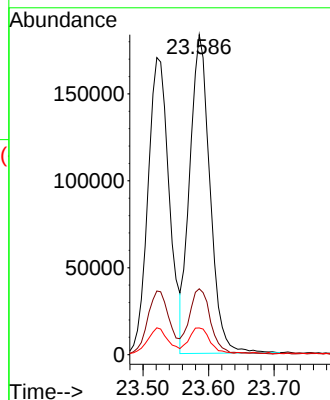
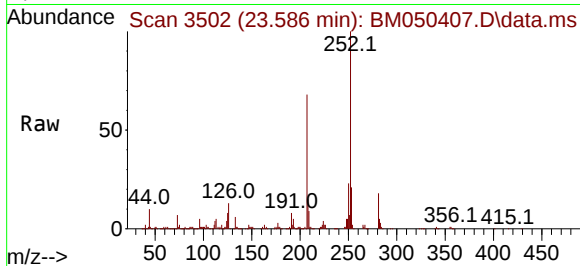




#89
Benzo(k)fluoranthene
Concen: 3.495 ng
RT: 23.586 min Scan# 31
Delta R.T. -0.017 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

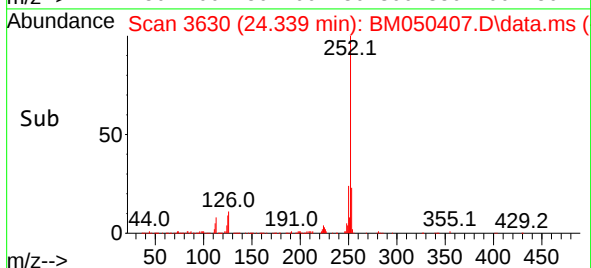
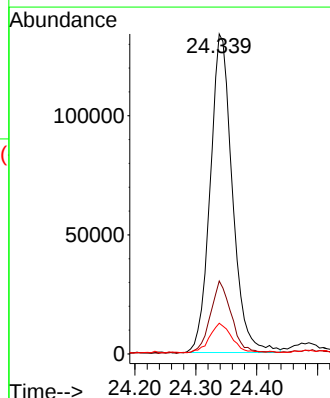
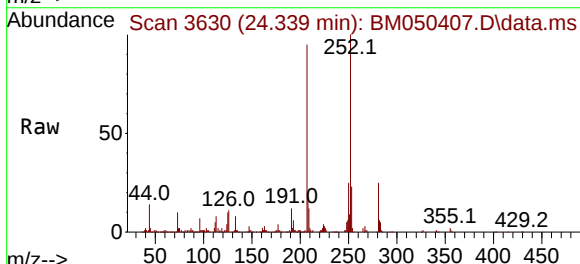
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

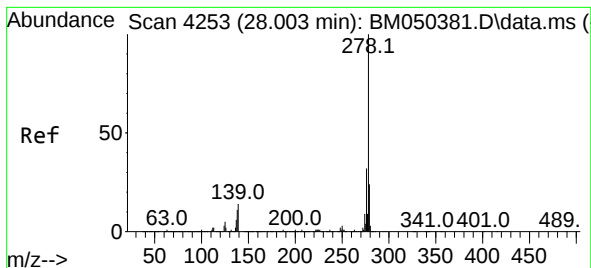
Tgt Ion:252 Resp: 390612
Ion Ratio Lower Upper
252 100
253 20.6 17.6 26.4
125 8.3 6.2 9.2



#90
Benzo(a)pyrene
Concen: 3.352 ng
RT: 24.339 min Scan# 3630
Delta R.T. -0.017 min
Lab File: BM050407.D
Acq: 11 Jul 2025 10:59

Tgt Ion:252 Resp: 338014
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 9.6 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 3.500 ng

RT: 27.974 min Scan# 41

Delta R.T. -0.029 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

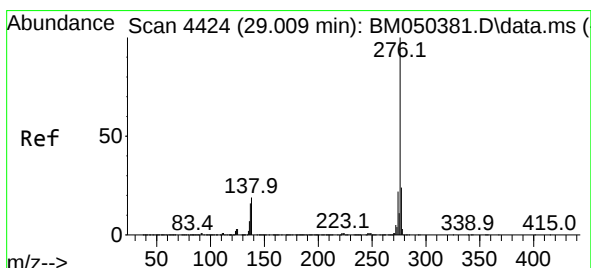
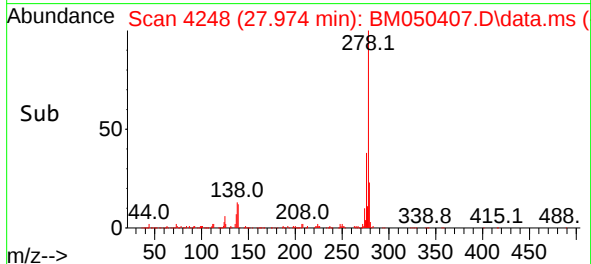
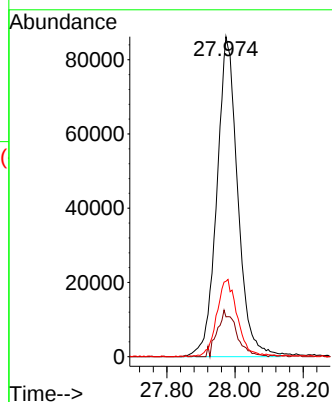
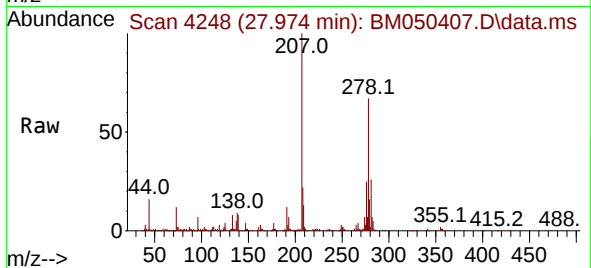
Tgt Ion:278 Resp: 366989

Ion Ratio Lower Upper

278 100

139 12.4 10.8 16.2

279 23.6 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 3.634 ng

RT: 28.974 min Scan# 4418

Delta R.T. -0.035 min

Lab File: BM050407.D

Acq: 11 Jul 2025 10:59

Tgt Ion:276 Resp: 360081

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 18.9 14.9 22.3

