

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071125\
 Data File : BM050408.D
 Acq On : 11 Jul 2025 11:39
 Operator : RC/JU
 Sample : Q2126-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 11 12:31:49 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	393376	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1451725	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	908326	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1700343	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1691403	20.000	ng	-0.01
86) Perylene-d12	24.485	264	1683388	20.000	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	2817040	123.267	ng	0.00
7) Phenol-d6	7.022	99	3593280	124.728	ng	0.00
23) Nitrobenzene-d5	9.016	82	2328027	81.814	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1431480	129.707	ng	0.00
45) 2-Fluorobiphenyl	13.115	172	5958262	81.007	ng	0.00
79) Terphenyl-d14	19.839	244	9419541	97.985	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.334	88	89124	9.484	ng	99
3) Pyridine	3.740	79	224677	9.107	ng	99
4) n-Nitrosodimethylamine	3.640	42	107823	9.375	ng	# 93
6) Aniline	7.186	93	335317	9.070	ng	99
8) 2-Chlorophenol	7.428	128	238520	9.898	ng	99
9) Benzaldehyde	6.998	77	197866	11.546	ng	98
10) Phenol	7.045	94	284015	9.452	ng	97
11) bis(2-Chloroethyl)ether	7.281	93	222376	9.241	ng	99
12) 1,3-Dichlorobenzene	7.751	146	281022	9.591	ng	97
13) 1,4-Dichlorobenzene	7.898	146	283750	9.484	ng	100
14) 1,2-Dichlorobenzene	8.216	146	268935	9.389	ng	99
15) Benzyl Alcohol	8.092	79	175971	8.669	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.386	45	331811	9.361	ng	99
17) 2-Methylphenol	8.298	107	170361	8.742	ng	98
18) Hexachloroethane	8.951	117	95987	9.122	ng	100
19) n-Nitroso-di-n-propyla...	8.669	70	157923	9.049	ng	99
20) 3+4-Methylphenols	8.622	107	224862	8.595	ng	98
22) Acetophenone	8.680	105	342126	9.426	ng	# 98
24) Nitrobenzene	9.057	77	251444	9.902	ng	99
25) Isophorone	9.586	82	405422	8.780	ng	100
26) 2-Nitrophenol	9.769	139	85461	8.258	ng	97
27) 2,4-Dimethylphenol	9.827	122	198144	8.998	ng	99
28) bis(2-Chloroethoxy)met...	10.063	93	280767	9.177	ng	99
29) 2,4-Dichlorophenol	10.298	162	201576	8.910	ng	96
30) 1,2,4-Trichlorobenzene	10.522	180	254542	9.405	ng	100
31) Naphthalene	10.710	128	696612	9.447	ng	100
32) Benzoic acid	9.886	122	72682	10.682	ng	97
33) 4-Chloroaniline	10.810	127	280402	8.995	ng	99
34) Hexachlorobutadiene	11.004	225	153056	9.266	ng	98
35) Caprolactam	11.563	113	46586	7.543	ng	96
36) 4-Chloro-3-methylphenol	11.927	107	183262	8.675	ng	99
37) 2-Methylnaphthalene	12.316	142	422463	9.074	ng	100
38) 1-Methylnaphthalene	12.539	142	444865	9.029	ng	99
40) 1,2,4,5-Tetrachloroben...	12.686	216	264300	9.150	ng	99
41) Hexachlorocyclopentadiene	12.674	237	140039	7.584	ng	98
43) 2,4,6-Trichlorophenol	12.921	196	151495	8.520	ng	95

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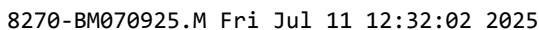
Instrument :
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 LOQ-SOIL-02-QT2-2025

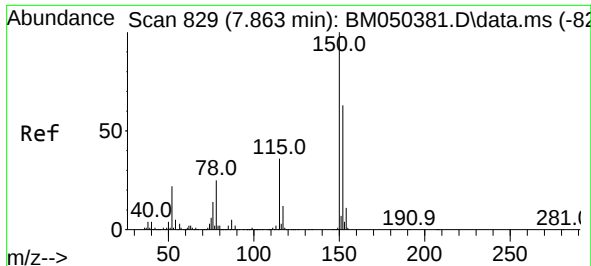
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.992	196	168954	8.701	ng	97
46) 1,1'-Biphenyl	13.327	154	646751	9.597	ng	99
47) 2-Chloronaphthalene	13.368	162	511117	9.512	ng	98
48) 2-Nitroaniline	13.557	65	98213	8.189	ng	98
49) Acenaphthylene	14.210	152	737472	9.082	ng	98
50) Dimethylphthalate	13.945	163	577807	9.240	ng	99
51) 2,6-Dinitrotoluene	14.051	165	103698	8.636	ng	91
52) Acenaphthene	14.551	154	467493	9.055	ng	99
53) 3-Nitroaniline	14.380	138	105935	8.296	ng #	95
54) 2,4-Dinitrophenol	14.580	184	31691	10.807	ng #	81
55) Dibenzofuran	14.886	168	752368	9.458	ng	99
56) 4-Nitrophenol	14.680	139	81247	7.399	ng	99
57) 2,4-Dinitrotoluene	14.839	165	127283	9.403	ng	95
58) Fluorene	15.533	166	588929	8.988	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.109	232	140903	8.620	ng	98
60) Diethylphthalate	15.309	149	534777	8.952	ng	99
61) 4-Chlorophenyl-phenyle...	15.527	204	302224	8.821	ng	95
62) 4-Nitroaniline	15.533	138	102634	9.201	ng	92
63) Azobenzene	15.821	77	488284	8.902	ng	97
65) 4,6-Dinitro-2-methylph...	15.598	198	51663	11.211	ng	96
66) n-Nitrosodiphenylamine	15.739	169	481177	9.044	ng	98
67) 4-Bromophenyl-phenylether	16.421	248	166093	8.866	ng	95
68) Hexachlorobenzene	16.533	284	203060	9.177	ng	96
69) Atrazine	16.680	200	150083	8.590	ng	98
70) Pentachlorophenol	16.874	266	105248	7.641	ng	98
71) Phenanthrene	17.262	178	892505	9.276	ng	100
72) Anthracene	17.356	178	854708	8.924	ng	99
73) Carbazole	17.621	167	785983	9.070	ng	100
74) Di-n-butylphthalate	18.192	149	790013	8.329	ng	99
75) Fluoranthene	19.274	202	910102	8.701	ng	99
77) Benzidine	19.450	184	386146	8.951	ng	99
78) Pyrene	19.633	202	977448	9.023	ng	99
80) Butylbenzylphthalate	20.533	149	290912	8.145	ng	99
81) Benzo(a)anthracene	21.433	228	998658	9.062	ng	99
82) 3,3'-Dichlorobenzidine	21.350	252	300902	8.096	ng	100
83) Chrysene	21.491	228	966080	9.294	ng	99
84) Bis(2-ethylhexyl)phtha...	21.362	149	464564	8.193	ng	100
85) Di-n-octyl phthalate	22.515	149	644206	7.254	ng	98
87) Indeno(1,2,3-cd)pyrene	27.915	276	1043559	8.719	ng #	95
88) Benzo(b)fluoranthene	23.521	252	915863	8.845	ng	99
89) Benzo(k)fluoranthene	23.585	252	934240	8.695	ng	99
90) Benzo(a)pyrene	24.338	252	824190	8.503	ng	99
91) Dibenzo(a,h)anthracene	27.979	278	885453	8.784	ng	97
92) Benzo(g,h,i)perylene	28.979	276	850101	8.924	ng	99

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

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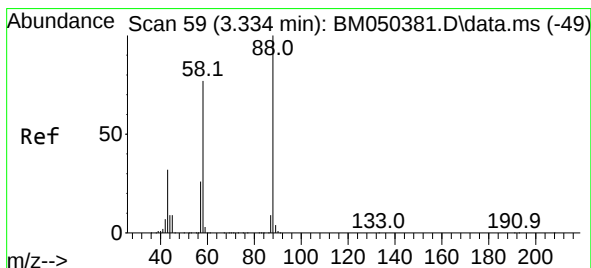
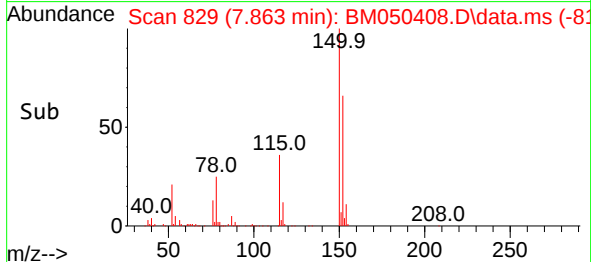
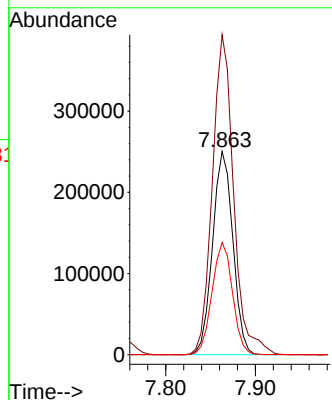
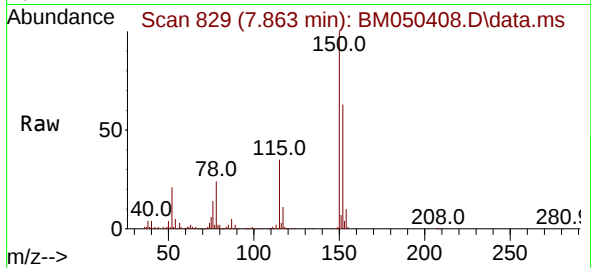




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

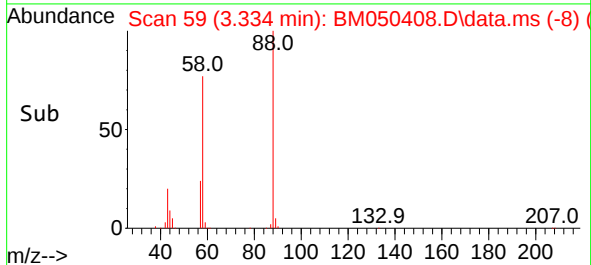
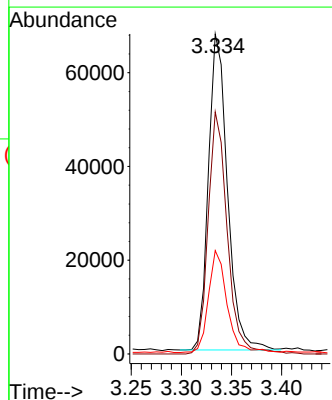
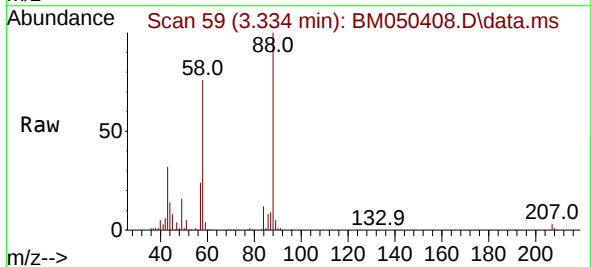
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

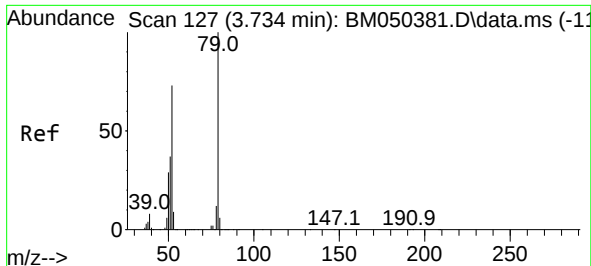
Tgt Ion:152 Resp: 393376
Ion Ratio Lower Upper
152 100
150 157.5 126.2 189.4
115 55.2 45.8 68.8



#2
1,4-Dioxane
Concen: 9.484 ng
RT: 3.334 min Scan# 59
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion: 88 Resp: 89124
Ion Ratio Lower Upper
88 100
58 77.1 61.0 91.6
43 31.5 24.6 37.0





#3

Pyridine

Concen: 9.107 ng

RT: 3.740 min Scan# 11

Delta R.T. 0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

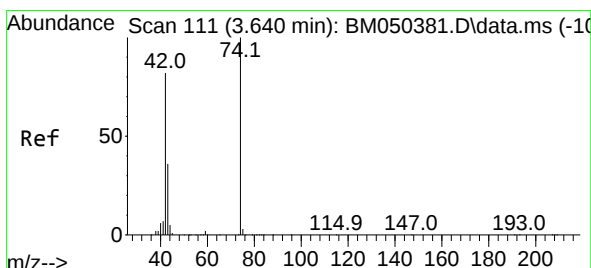
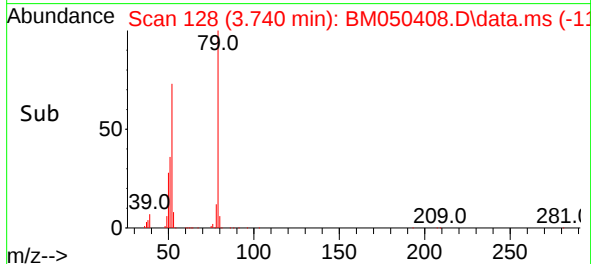
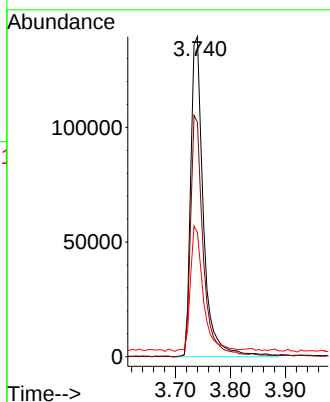
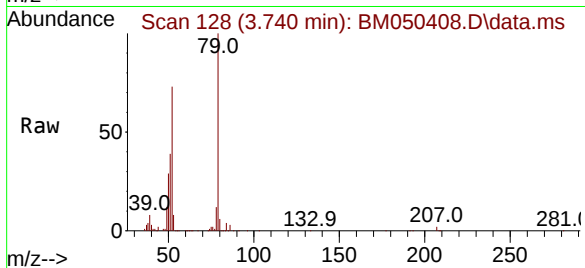
Tgt Ion: 79 Resp: 224677

Ion Ratio Lower Upper

79 100

52 73.3 58.3 87.5

51 38.8 29.6 44.4



#4

n-Nitrosodimethylamine

Concen: 9.375 ng

RT: 3.640 min Scan# 111

Delta R.T. -0.000 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

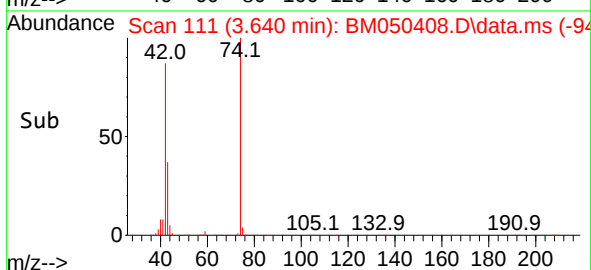
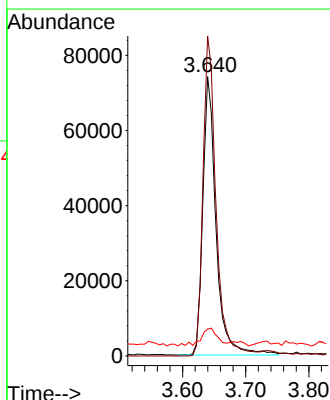
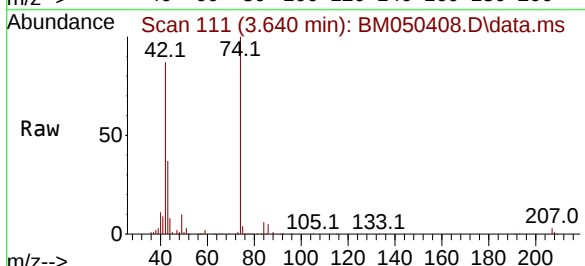
Tgt Ion: 42 Resp: 107823

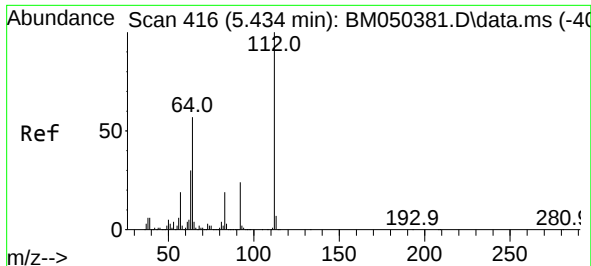
Ion Ratio Lower Upper

42 100

74 114.6 97.5 146.3

44 9.6 5.7 8.5#

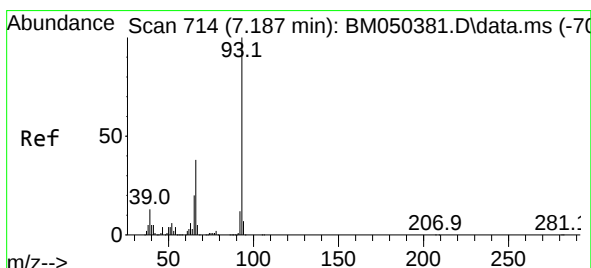
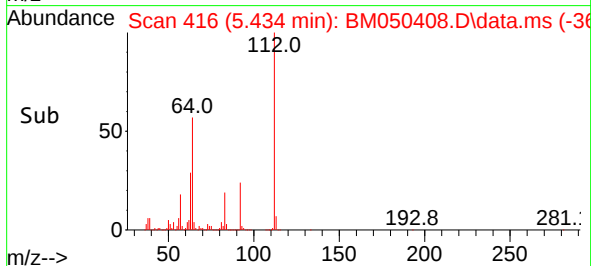
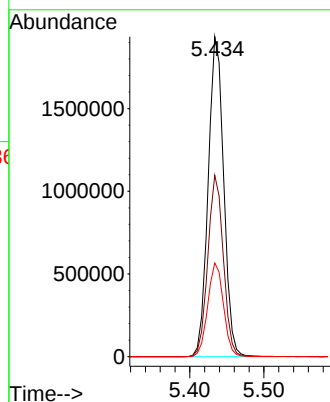
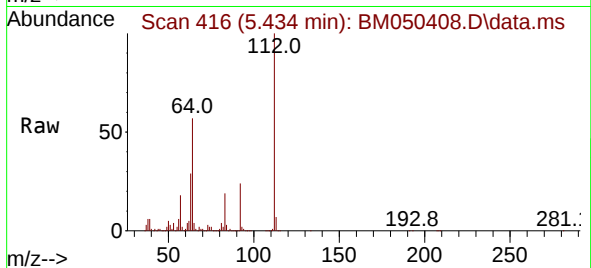




#5
2-Fluorophenol
Concen: 123.267 ng
RT: 5.434 min Scan# 416
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

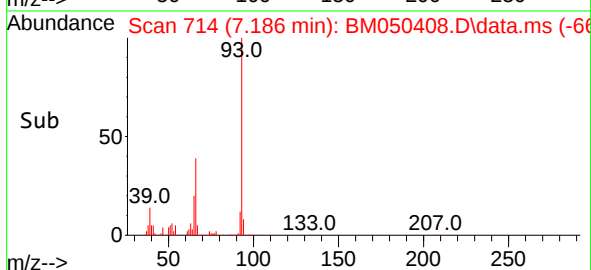
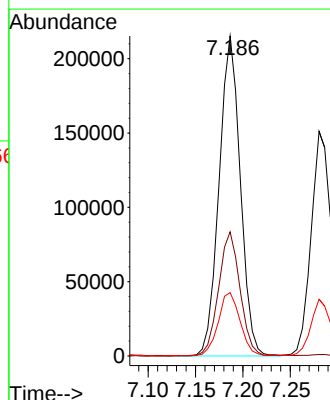
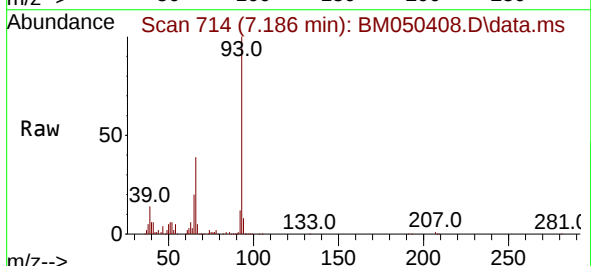
Instrument :
BNA_M
ClientSampleId :
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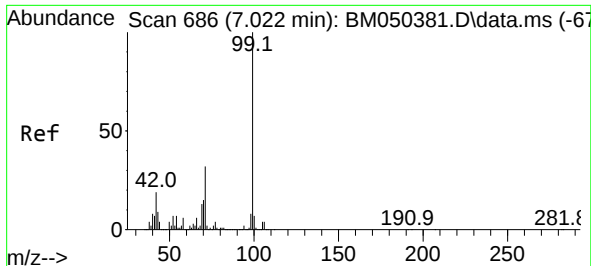
Tgt Ion:112 Resp: 2817040
Ion Ratio Lower Upper
112 100
64 56.7 45.5 68.3
63 29.3 24.2 36.4



#6
Aniline
Concen: 9.070 ng
RT: 7.186 min Scan# 714
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion: 93 Resp: 335317
Ion Ratio Lower Upper
93 100
66 38.8 30.5 45.7
65 19.8 15.9 23.9



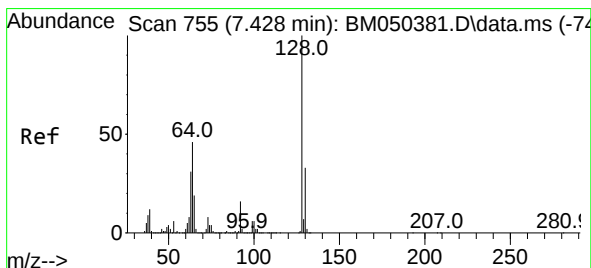
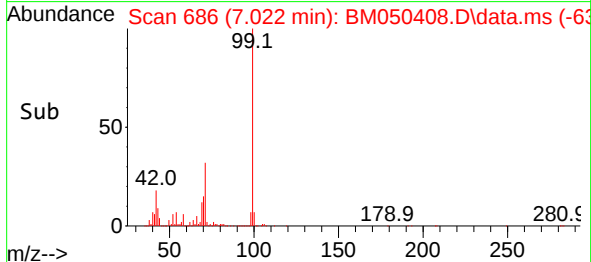
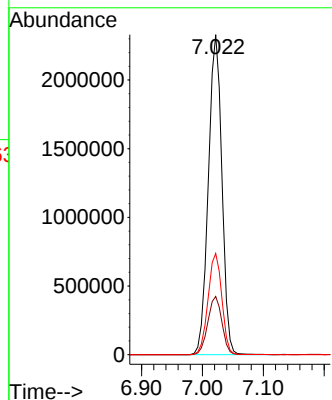
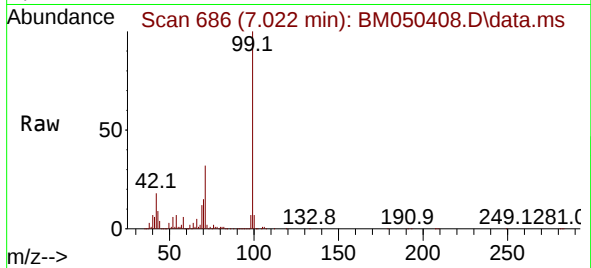


#7
Phenol-d6
Concen: 124.728 ng
RT: 7.022 min Scan# 686
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

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

Tgt Ion: 99 Resp: 3593280

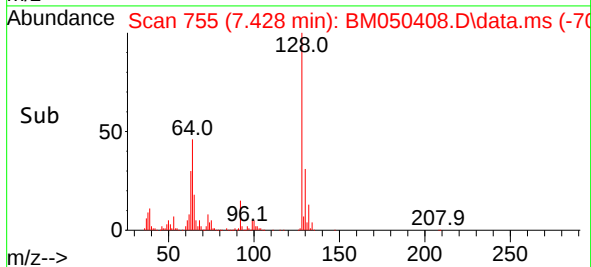
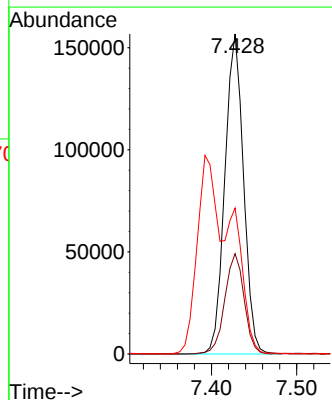
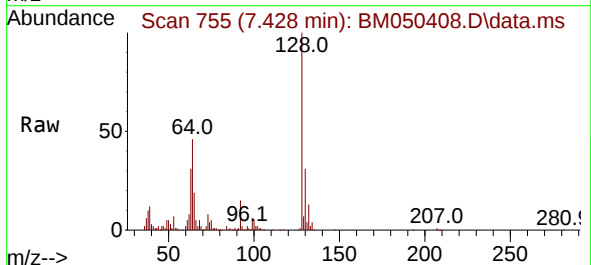
Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.0	22.6
71	31.6	25.9	38.9

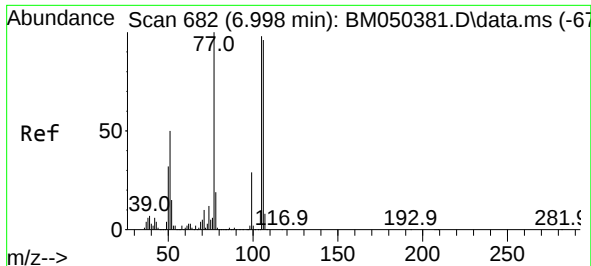


#8
2-Chlorophenol
Concen: 9.898 ng
RT: 7.428 min Scan# 755
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion: 128 Resp: 238520

Ion	Ratio	Lower	Upper
128	100		
130	31.3	13.3	53.3
64	45.6	25.6	65.6

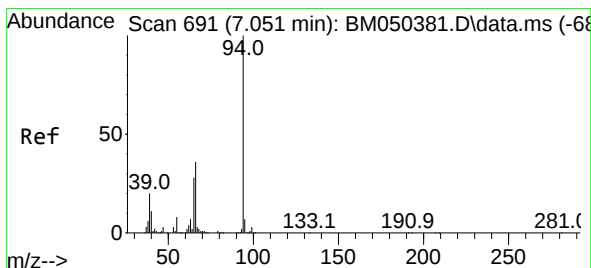
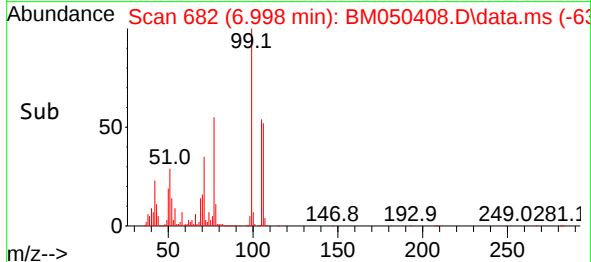
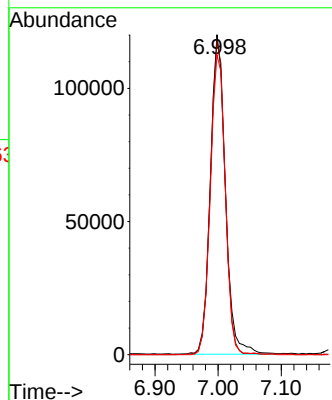
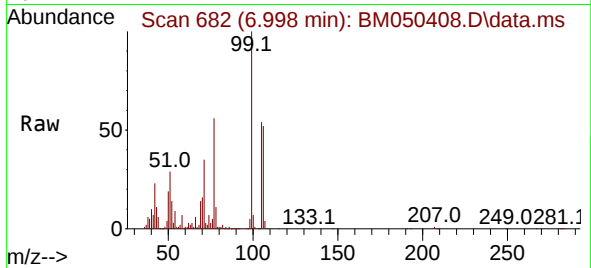




#9
Benzaldehyde
Concen: 11.546 ng
RT: 6.998 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

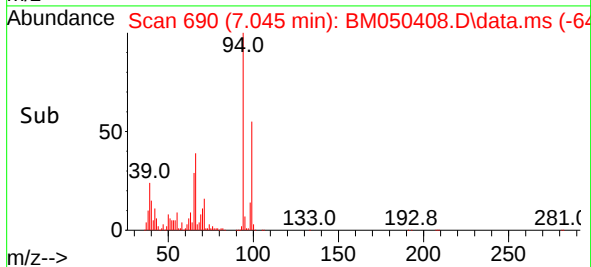
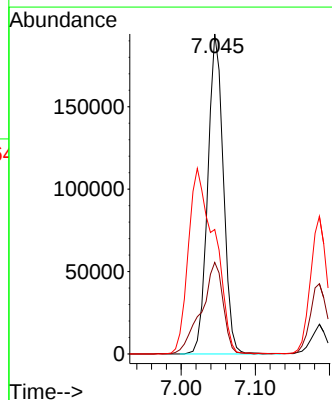
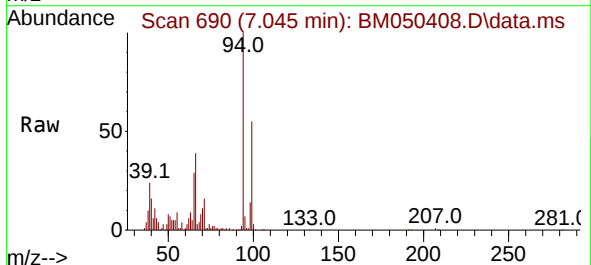
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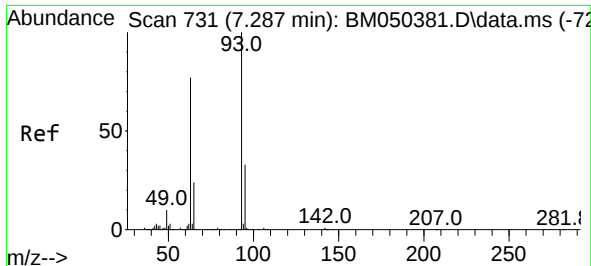
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Ion Ratio Lower Upper
77 100
105 97.7 78.4 118.4
106 93.6 76.3 116.3



#10
Phenol
Concen: 9.452 ng
RT: 7.045 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion: 94 Resp: 284015
Ion Ratio Lower Upper
94 100
65 28.6 8.1 48.1
66 38.9 15.8 55.8

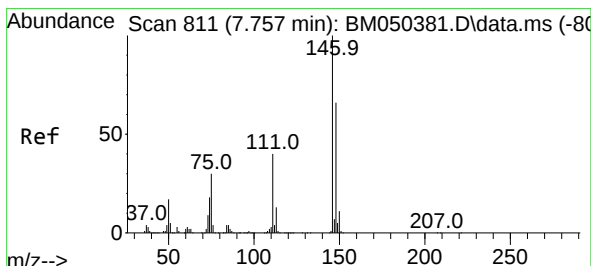
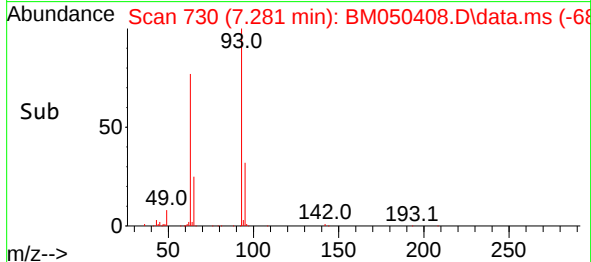
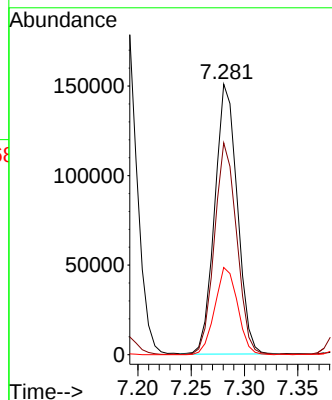
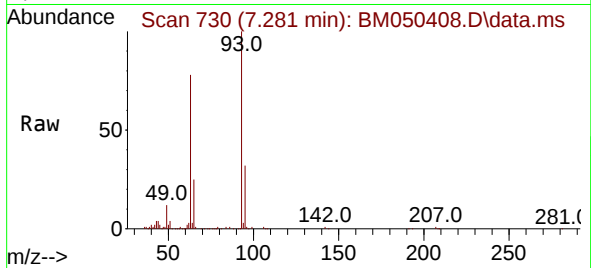




#11
bis(2-Chloroethyl)ether
Concen: 9.241 ng
RT: 7.281 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

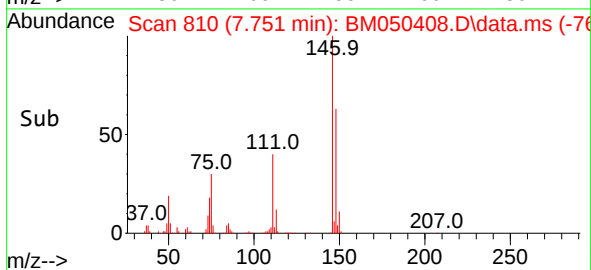
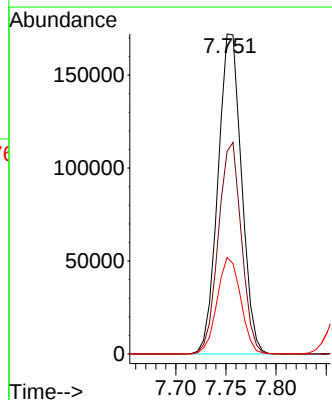
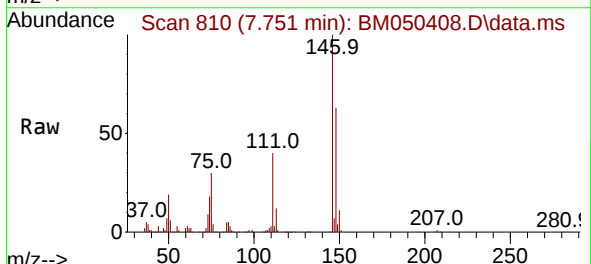
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

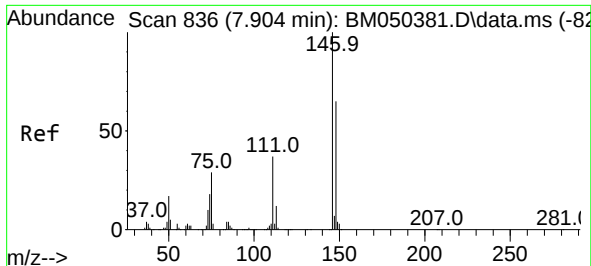
Tgt Ion: 93 Resp: 222376
Ion Ratio Lower Upper
93 100
63 78.3 56.9 96.9
95 32.2 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 9.591 ng
RT: 7.751 min Scan# 810
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:146 Resp: 281022
Ion Ratio Lower Upper
146 100
148 63.3 53.2 79.8
75 30.1 23.9 35.9

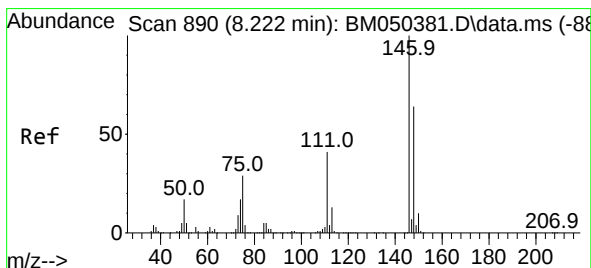
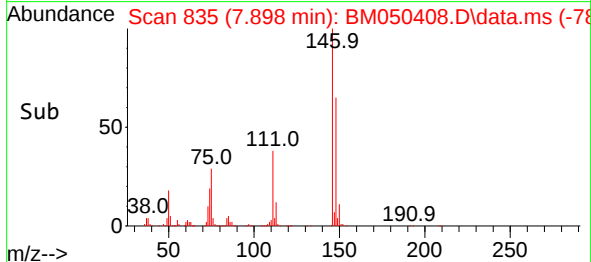
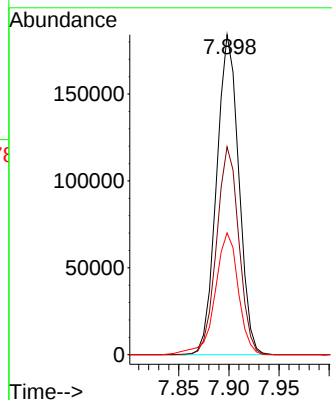
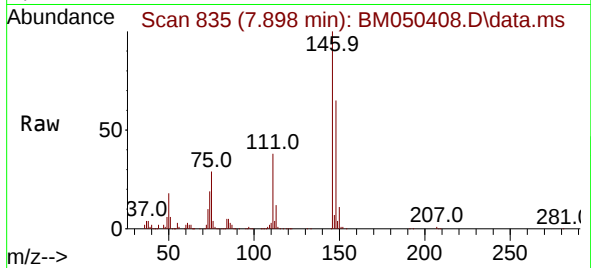




#13
1,4-Dichlorobenzene
Concen: 9.484 ng
RT: 7.898 min Scan# 835
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

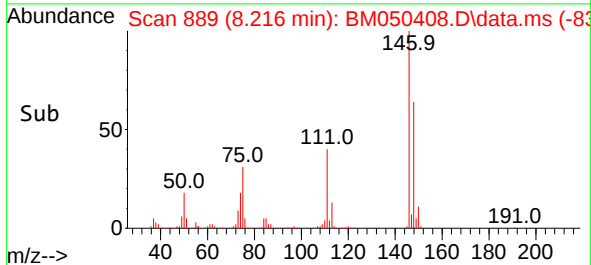
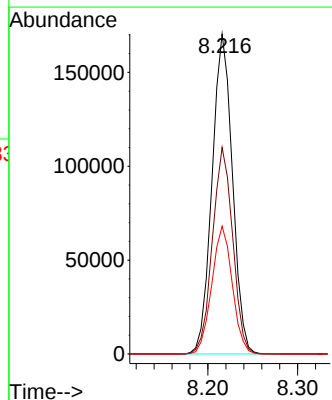
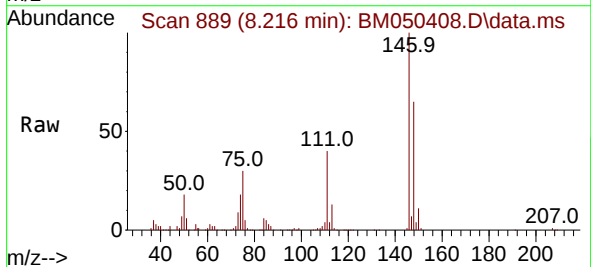
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

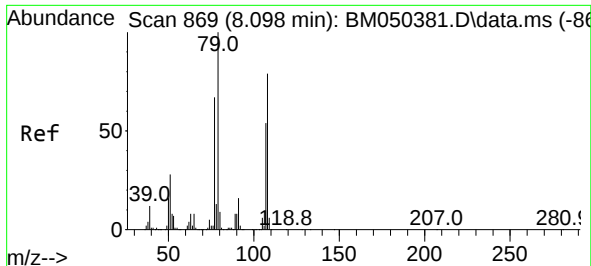
Tgt Ion:146 Resp: 283750
Ion Ratio Lower Upper
146 100
148 65.0 51.9 77.9
111 38.0 30.0 45.0



#14
1,2-Dichlorobenzene
Concen: 9.389 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:146 Resp: 268935
Ion Ratio Lower Upper
146 100
148 64.5 51.5 77.3
111 39.9 32.6 49.0

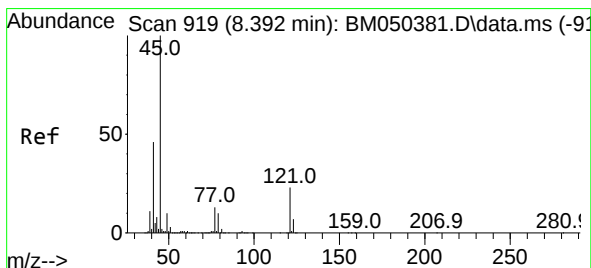
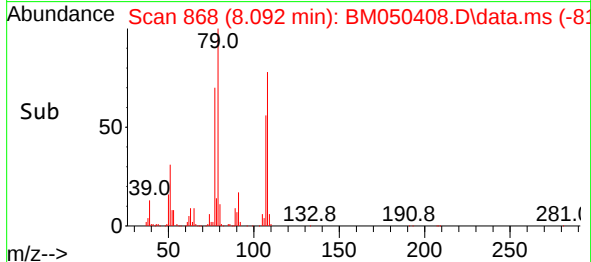
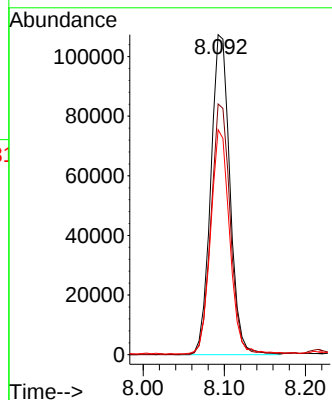
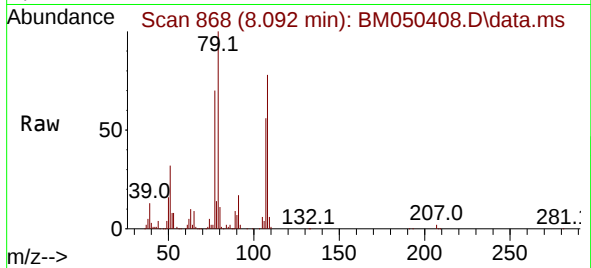




#15
Benzyl Alcohol
Concen: 8.669 ng
RT: 8.092 min Scan# 868
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

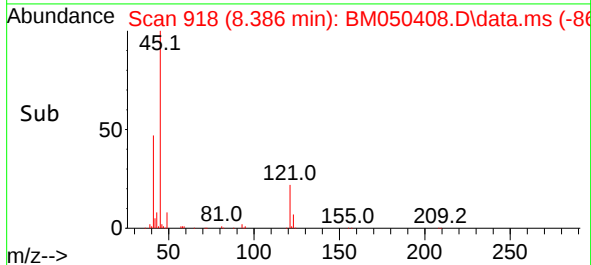
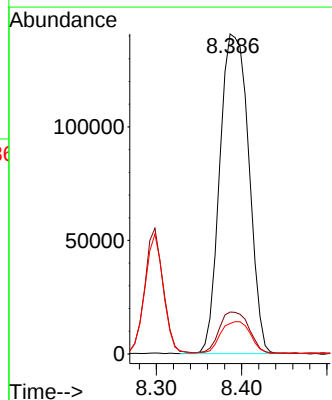
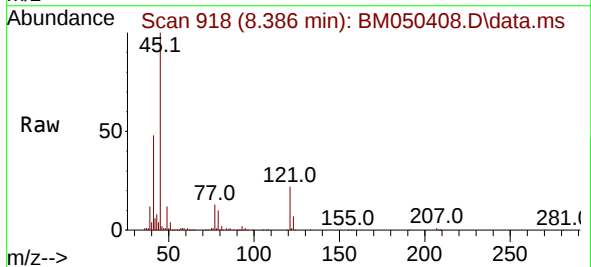
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

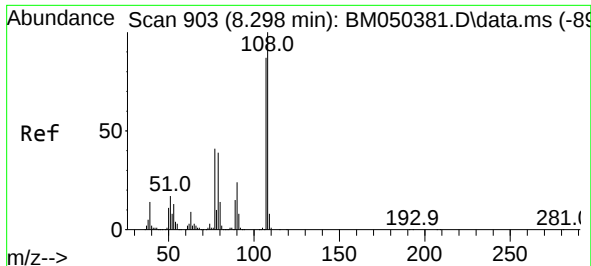
Tgt Ion: 79 Resp: 175971
Ion Ratio Lower Upper
79 100
108 78.4 63.0 94.4
77 70.3 53.4 80.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.361 ng
RT: 8.386 min Scan# 918
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion: 45 Resp: 331811
Ion Ratio Lower Upper
45 100
77 13.1 0.0 33.5
79 9.5 0.0 30.3

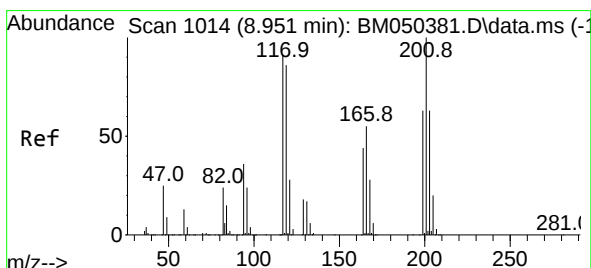
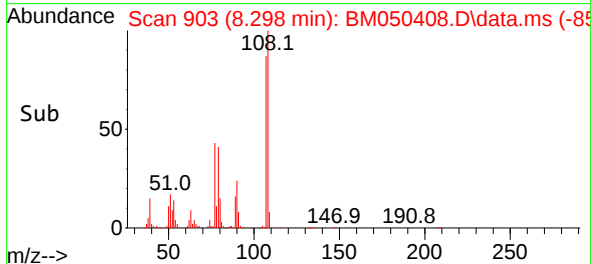
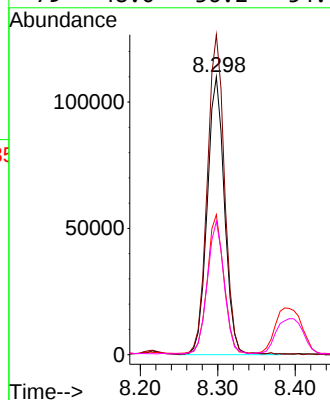
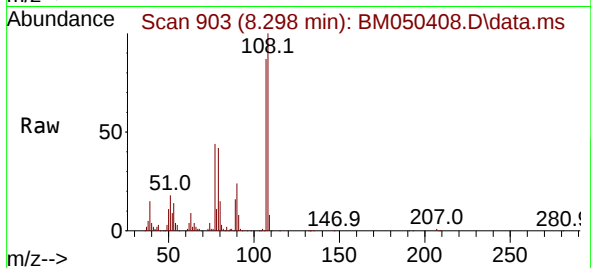




#17
2-Methylphenol
Concen: 8.742 ng
RT: 8.298 min Scan# 903
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

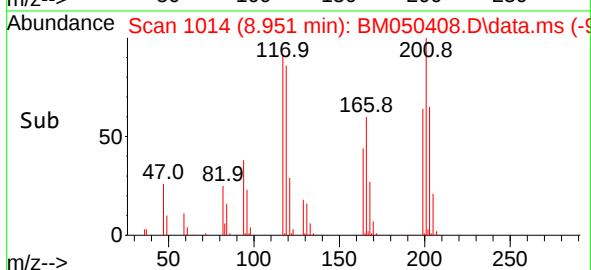
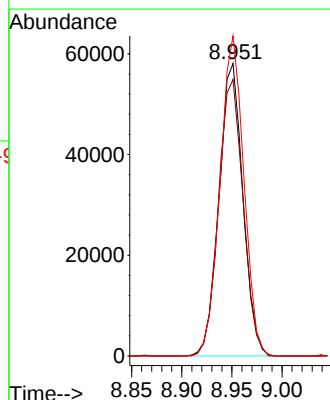
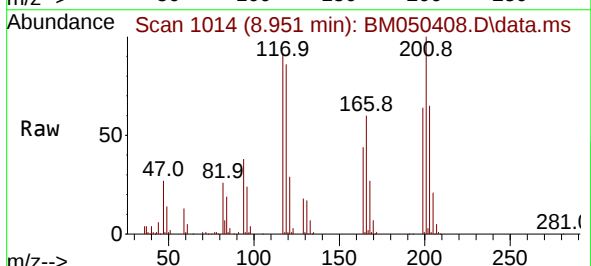
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

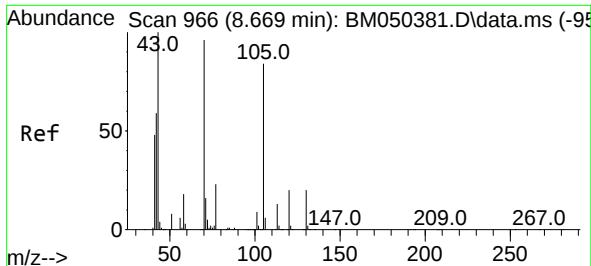
Tgt Ion:	107	Resp:	170361
Ion	Ratio	Lower	Upper
107	100		
108	115.2	92.1	138.1
77	50.4	38.2	57.4
79	48.0	36.2	54.4



#18
Hexachloroethane
Concen: 9.122 ng
RT: 8.951 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:	117	Resp:	95987
Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.6	113.4
201	109.4	87.9	131.9

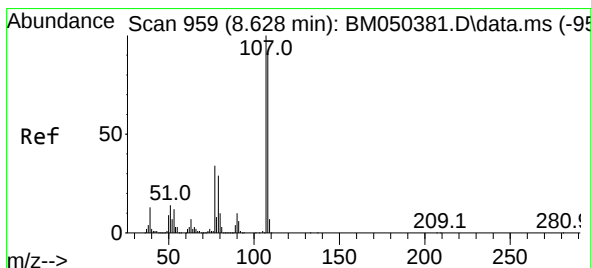
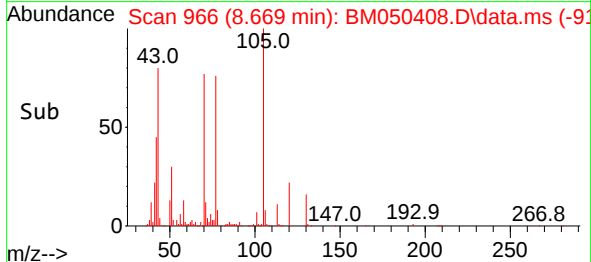
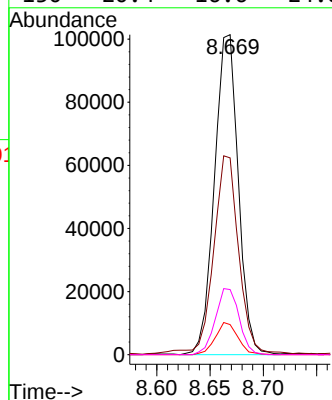
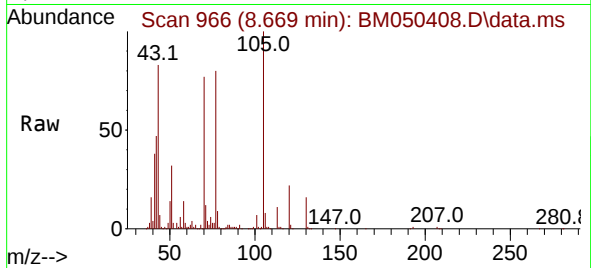




#19
n-Nitroso-di-n-propylamine
Concen: 9.049 ng
RT: 8.669 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

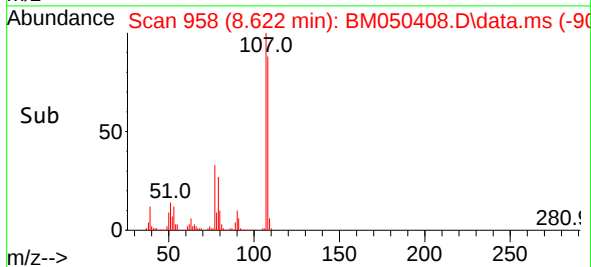
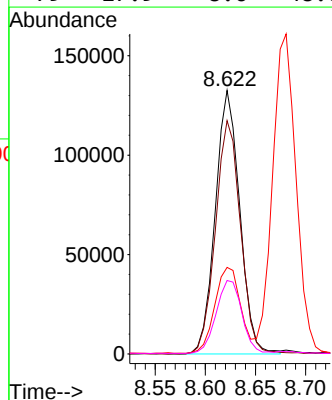
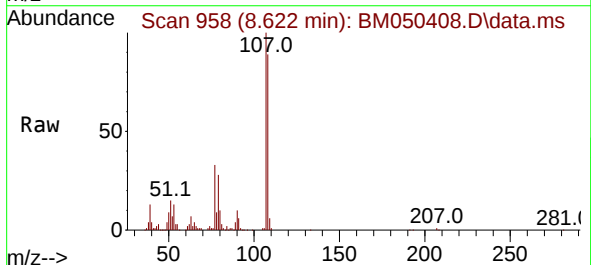
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

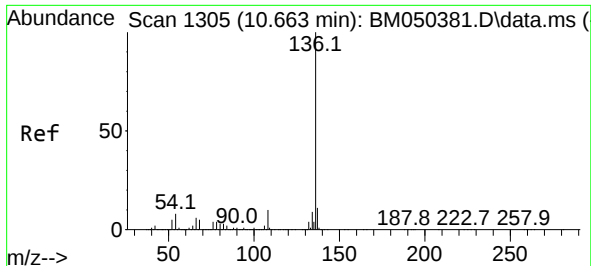
Tgt Ion: 70 Resp: 157923
Ion Ratio Lower Upper
70 100
42 61.5 49.7 74.5
101 9.4 7.7 11.5
130 20.4 16.6 24.8



#20
3+4-Methylphenols
Concen: 8.595 ng
RT: 8.622 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion: 107 Resp: 224862
Ion Ratio Lower Upper
107 100
108 88.5 71.5 111.5
77 32.9 13.7 53.7
79 27.9 8.6 48.6

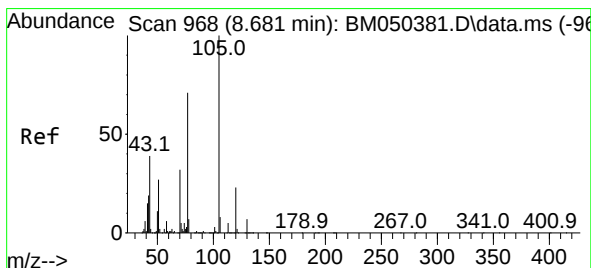
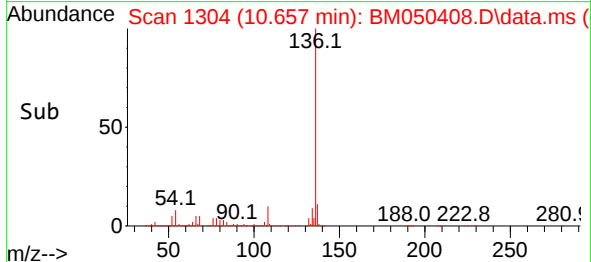
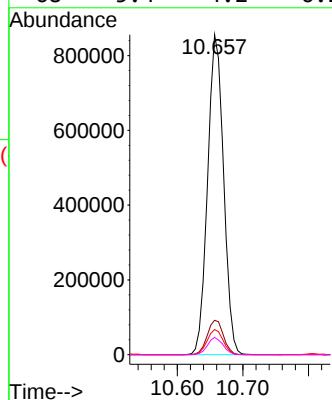
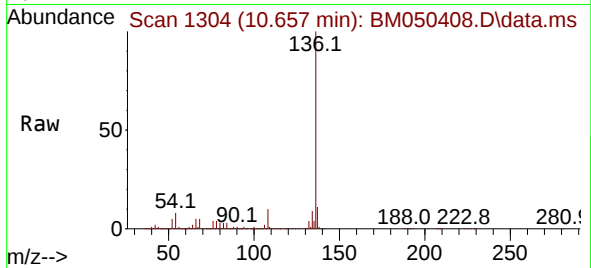




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

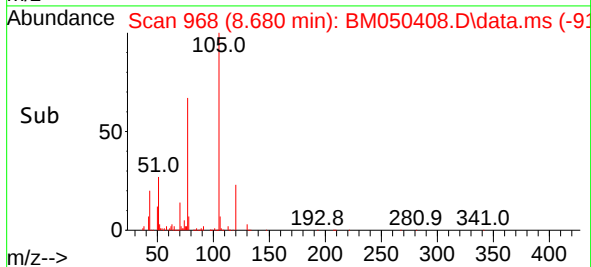
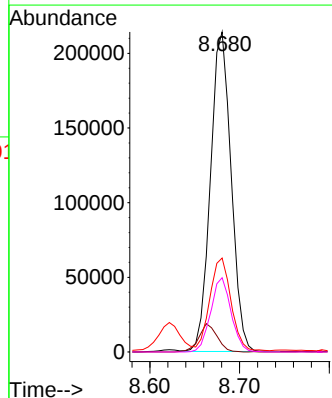
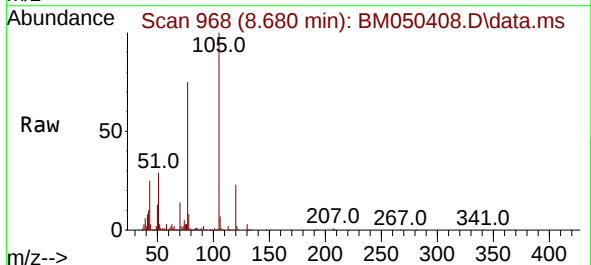
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

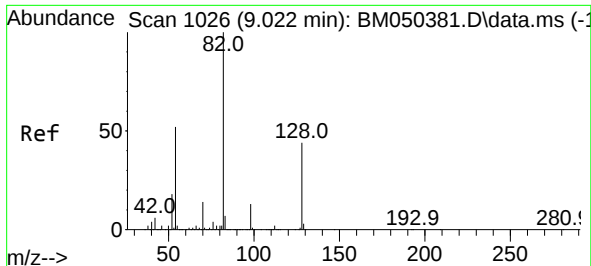
Tgt Ion:136 Resp: 1451725
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.8 6.3 9.5
68 5.4 4.2 6.2



#22
Acetophenone
Concen: 9.426 ng
RT: 8.680 min Scan# 968
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:105 Resp: 342126
Ion Ratio Lower Upper
105 100
71 2.4 4.4 6.6#
51 29.4 23.0 34.6
120 23.2 18.3 27.5

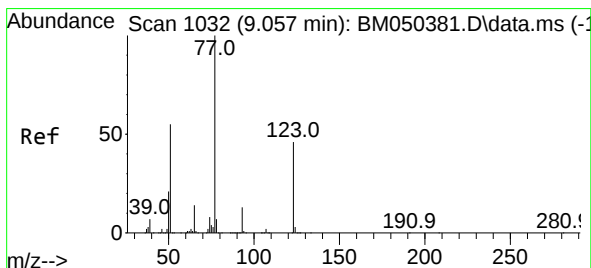
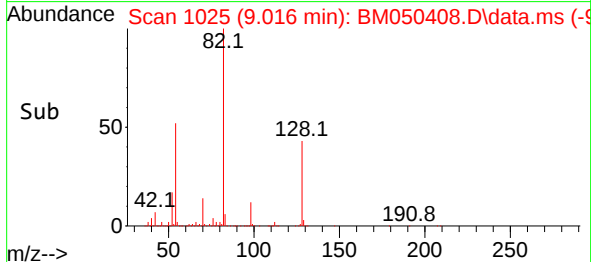
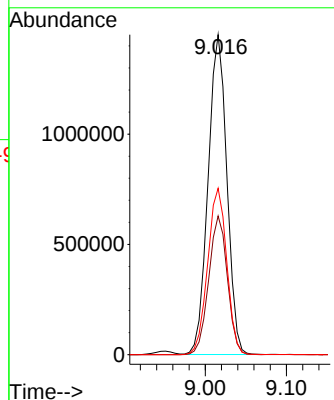
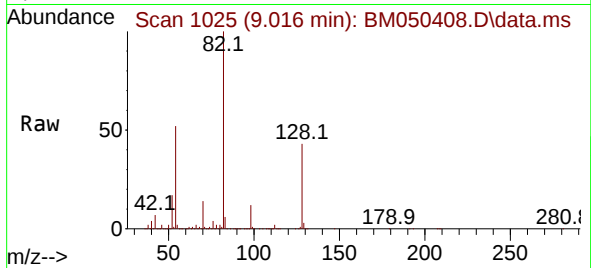




#23
Nitrobenzene-d5
Concen: 81.814 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

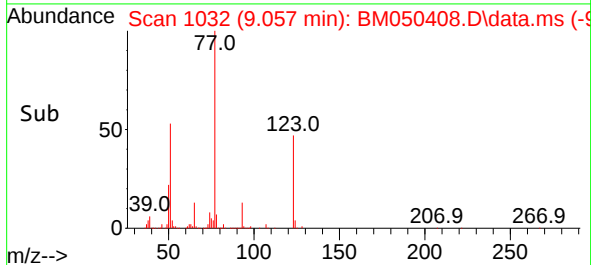
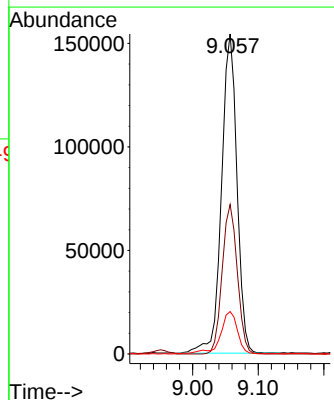
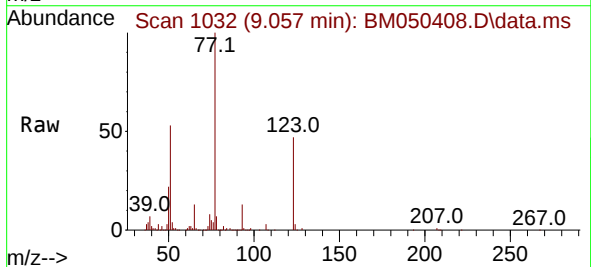
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

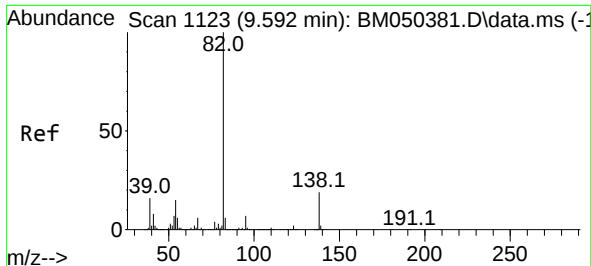
Tgt Ion: 82 Resp: 2328027
Ion Ratio Lower Upper
82 100
128 43.3 35.2 52.8
54 52.0 41.5 62.3



#24
Nitrobenzene
Concen: 9.902 ng
RT: 9.057 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion: 77 Resp: 251444
Ion Ratio Lower Upper
77 100
123 46.7 37.0 55.6
65 13.3 11.0 16.4





#25

Isophorone

Concen: 8.780 ng

RT: 9.586 min Scan# 1122

Delta R.T. -0.006 min

Lab File: BM050408.D

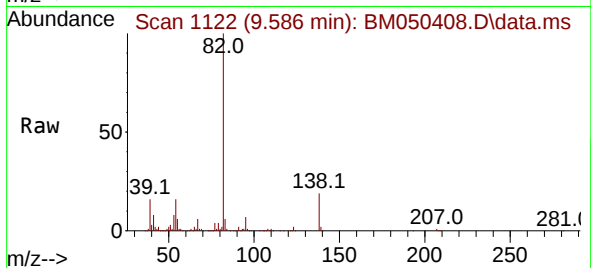
Acq: 11 Jul 2025 11:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025



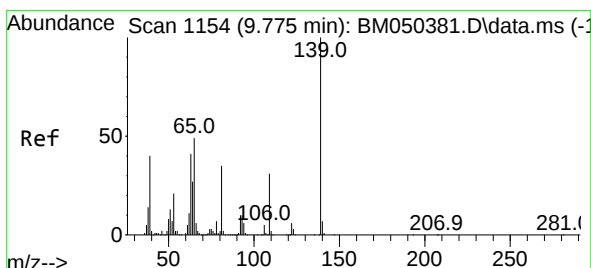
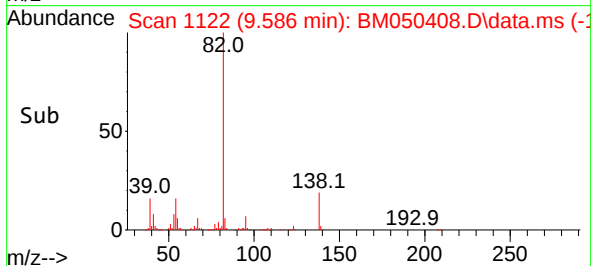
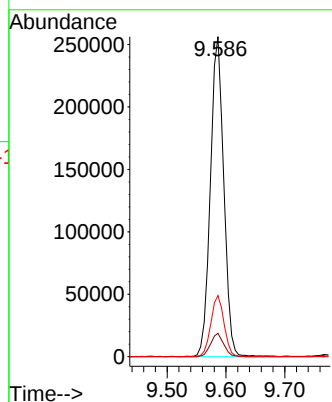
Tgt Ion: 82 Resp: 405422

Ion Ratio Lower Upper

82 100

95 7.3 5.6 8.4

138 19.1 15.3 22.9



#26

2-Nitrophenol

Concen: 8.258 ng

RT: 9.769 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

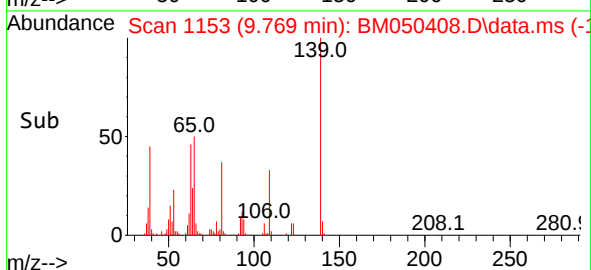
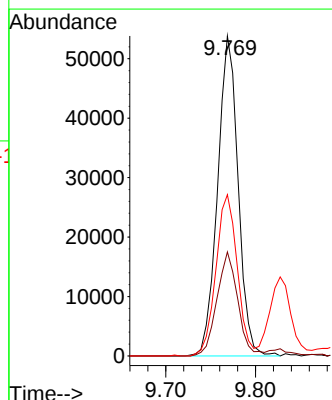
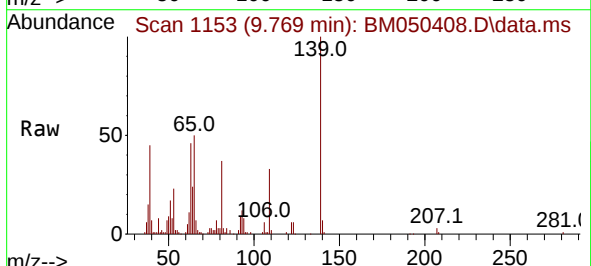
Tgt Ion:139 Resp: 85461

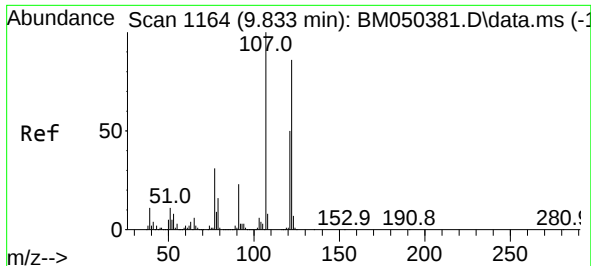
Ion Ratio Lower Upper

139 100

109 32.5 24.6 36.8

65 50.4 39.2 58.8





#27

2,4-Dimethylphenol

Concen: 8.998 ng

RT: 9.827 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

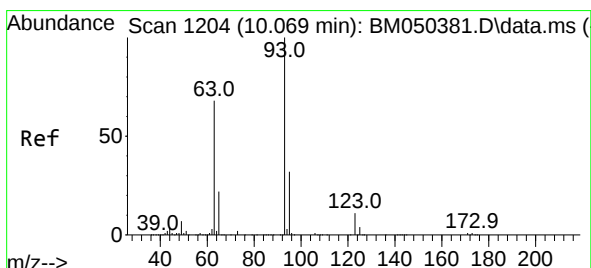
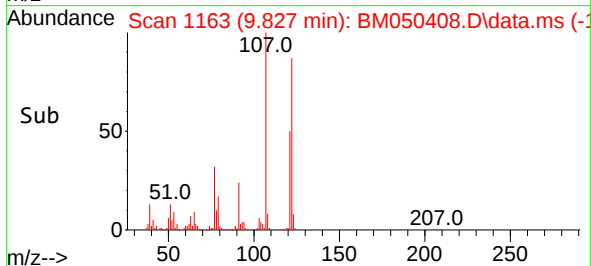
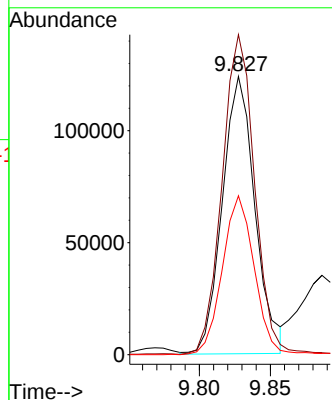
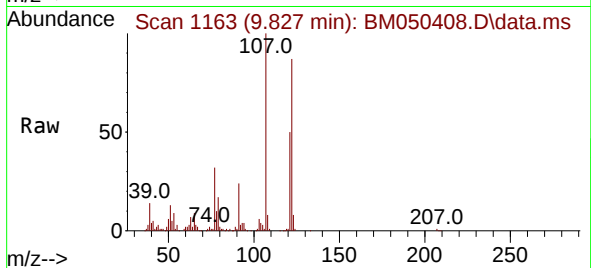
Tgt Ion:122 Resp: 198144

Ion Ratio Lower Upper

122 100

107 115.0 93.0 139.6

121 57.1 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 9.177 ng

RT: 10.063 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

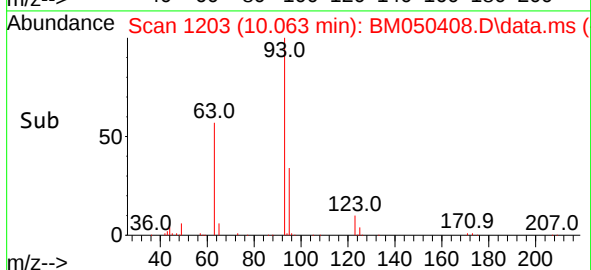
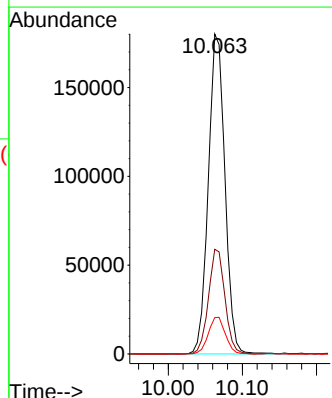
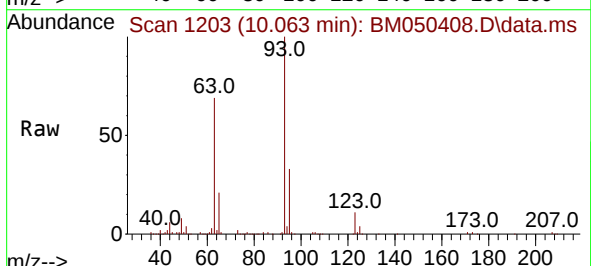
Tgt Ion: 93 Resp: 280767

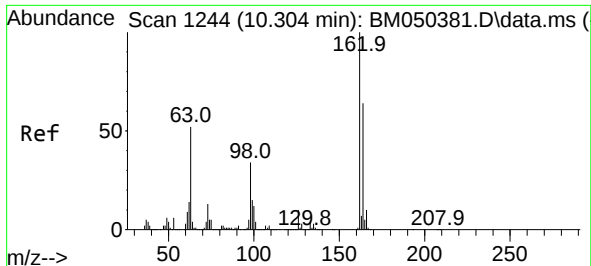
Ion Ratio Lower Upper

93 100

95 32.7 25.8 38.6

123 11.4 9.1 13.7

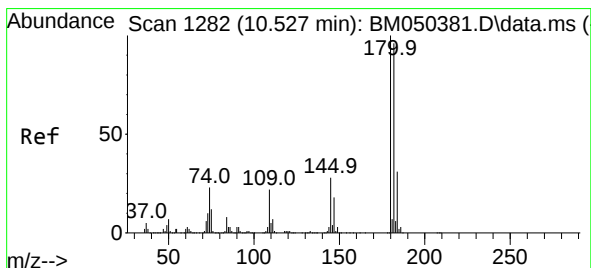
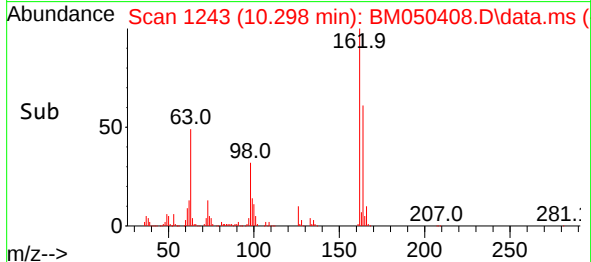
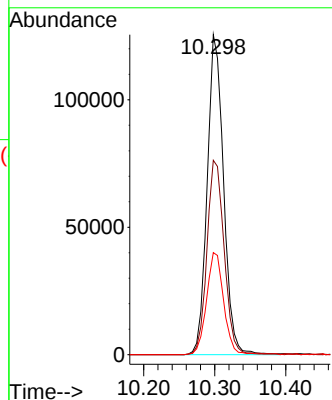
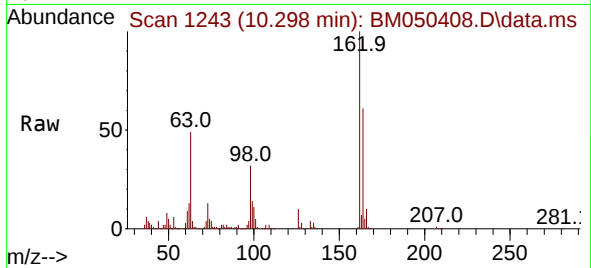




#29
2,4-Dichlorophenol
Concen: 8.910 ng
RT: 10.298 min Scan# 1243
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

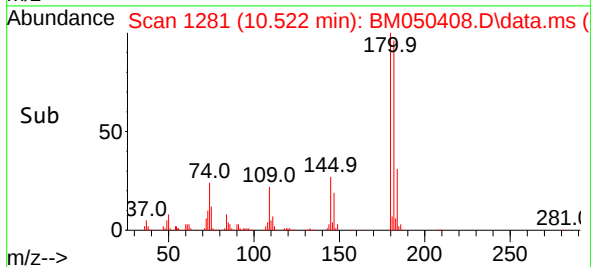
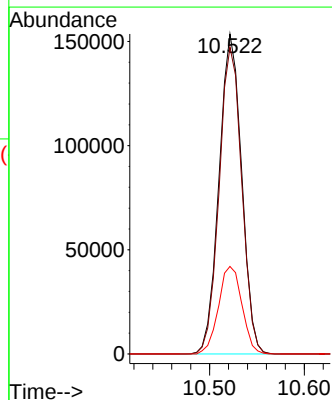
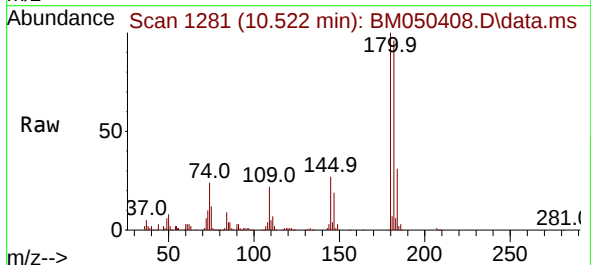
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

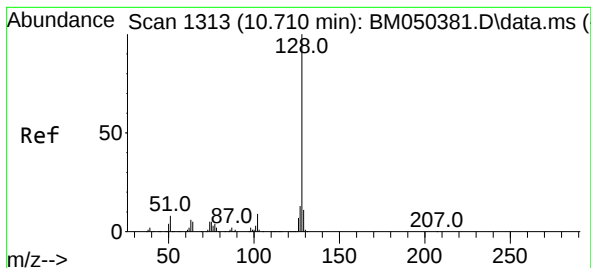
Tgt Ion:162 Resp: 201576
Ion Ratio Lower Upper
162 100
164 60.8 43.7 83.7
98 31.9 13.7 53.7



#30
1,2,4-Trichlorobenzene
Concen: 9.405 ng
RT: 10.522 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:180 Resp: 254542
Ion Ratio Lower Upper
180 100
182 95.8 76.8 115.2
145 27.4 22.6 33.8





#31

Naphthalene

Concen: 9.447 ng

RT: 10.710 min Scan# 11

Delta R.T. -0.000 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

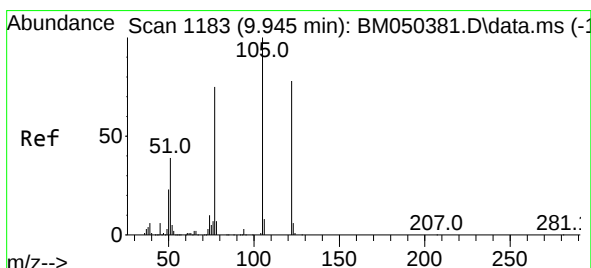
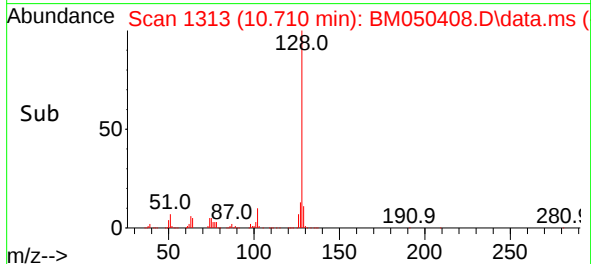
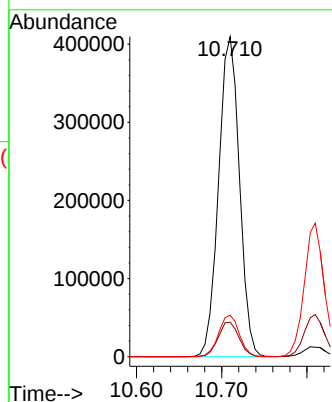
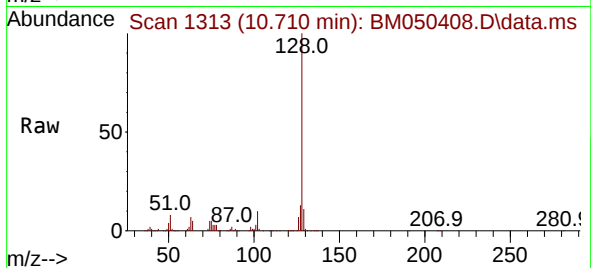
Tgt Ion:128 Resp: 696612

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 12.9 10.4 15.6



#32

Benzoic acid

Concen: 10.682 ng

RT: 9.886 min Scan# 1173

Delta R.T. -0.059 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

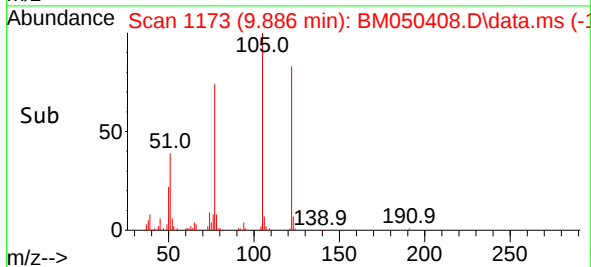
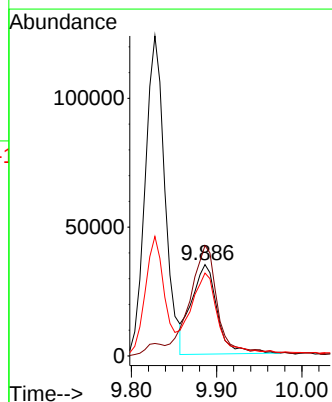
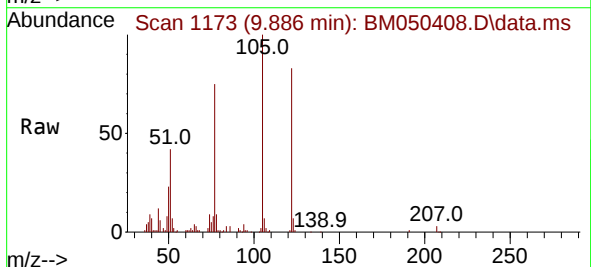
Tgt Ion:122 Resp: 72682

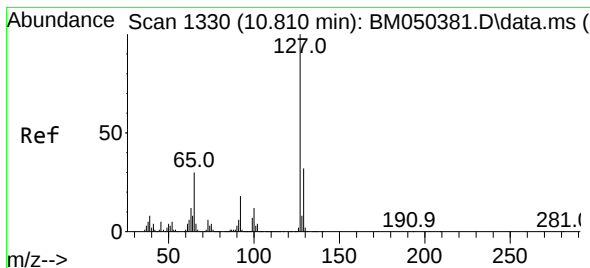
Ion Ratio Lower Upper

122 100

105 120.8 104.0 144.0

77 90.7 73.8 113.8





#33

4-Chloroaniline

Concen: 8.995 ng

RT: 10.810 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion:127 Resp: 280402

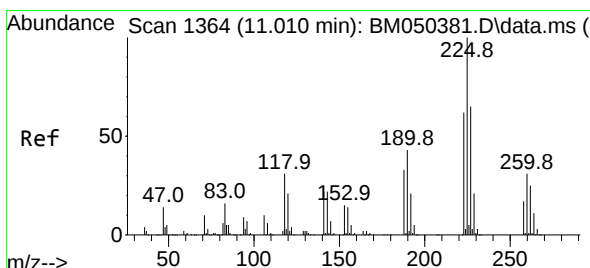
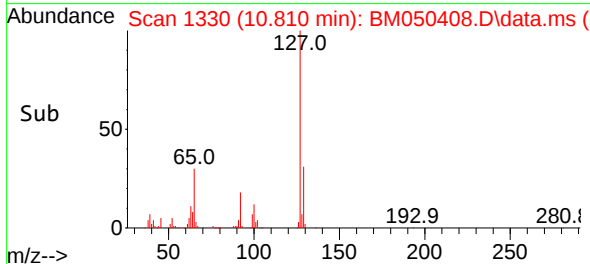
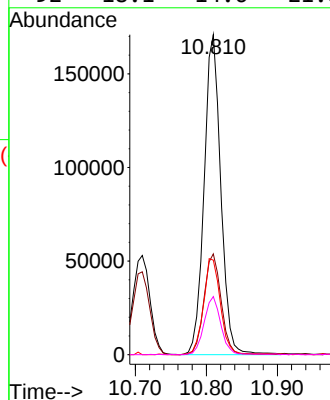
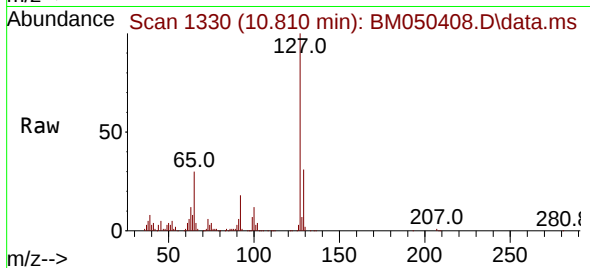
Ion Ratio Lower Upper

127 100

129 31.5 25.5 38.3

65 29.6 23.9 35.9

92 18.1 14.6 21.8



#34

Hexachlorobutadiene

Concen: 9.266 ng

RT: 11.004 min Scan# 1363

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

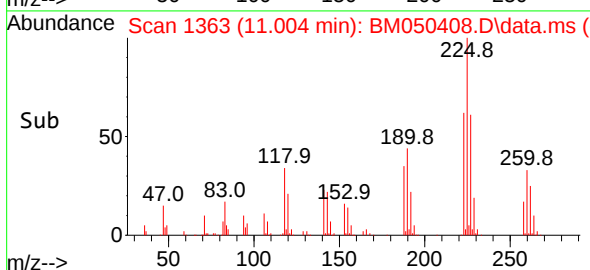
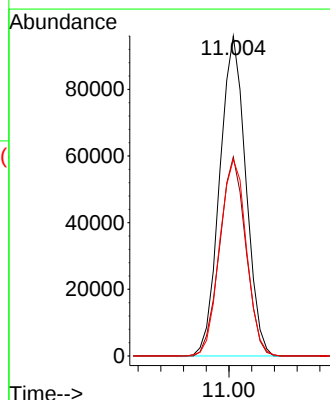
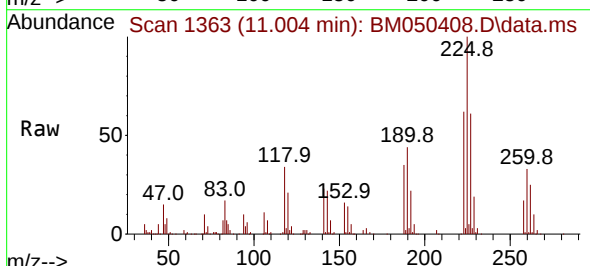
Tgt Ion:225 Resp: 153056

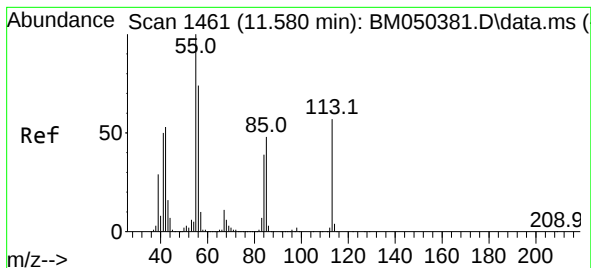
Ion Ratio Lower Upper

225 100

223 62.2 49.7 74.5

227 61.4 52.1 78.1

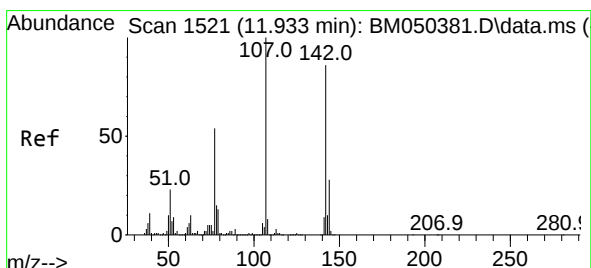
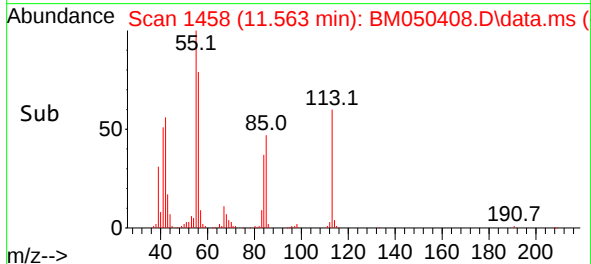
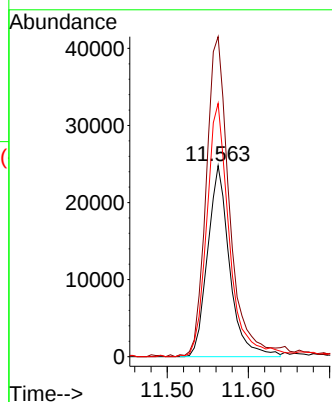
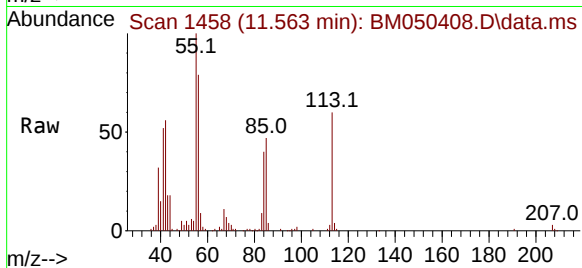




#35
 Caprolactam
 Concen: 7.543 ng
 RT: 11.563 min Scan# 1461
 Delta R.T. -0.018 min
 Lab File: BM050408.D
 Acq: 11 Jul 2025 11:39

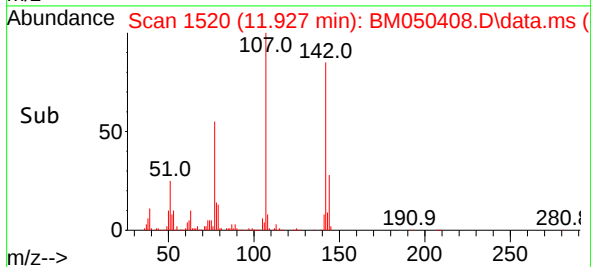
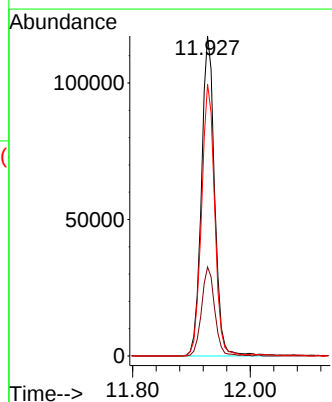
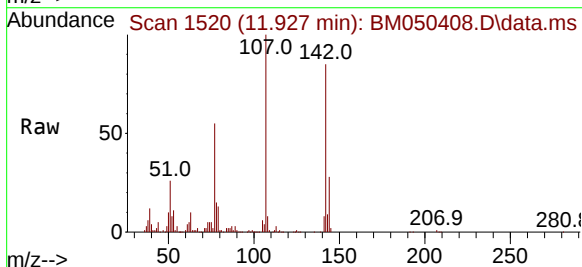
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

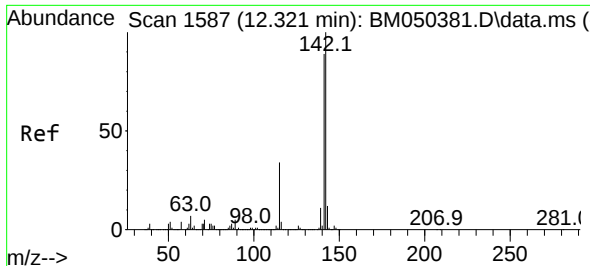
Tgt Ion:113 Resp: 46586
 Ion Ratio Lower Upper
 113 100
 55 167.5 157.2 197.2
 56 132.6 111.7 151.7



#36
 4-Chloro-3-methylphenol
 Concen: 8.675 ng
 RT: 11.927 min Scan# 1520
 Delta R.T. -0.006 min
 Lab File: BM050408.D
 Acq: 11 Jul 2025 11:39

Tgt Ion:107 Resp: 183262
 Ion Ratio Lower Upper
 107 100
 144 27.8 22.2 33.4
 142 85.0 68.7 103.1

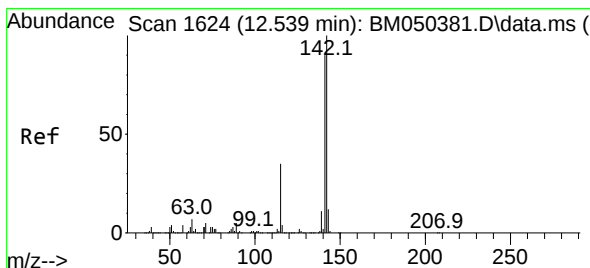
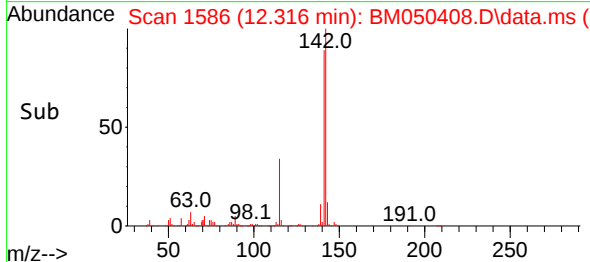
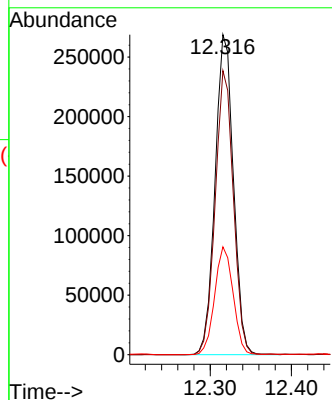
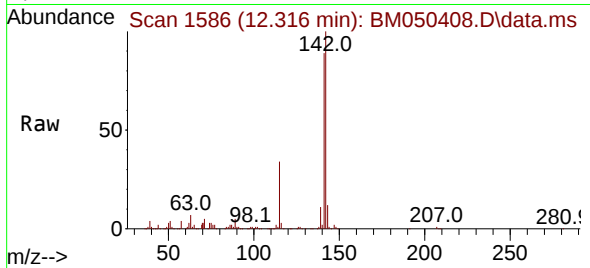




#37
2-Methylnaphthalene
Concen: 9.074 ng
RT: 12.316 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

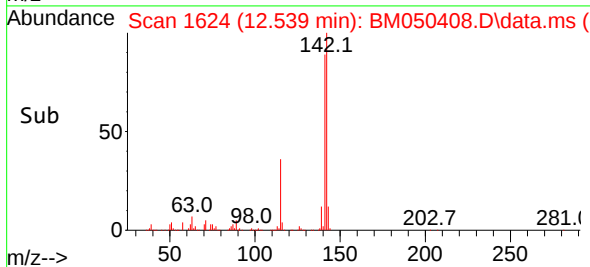
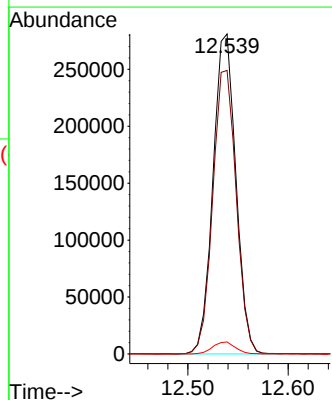
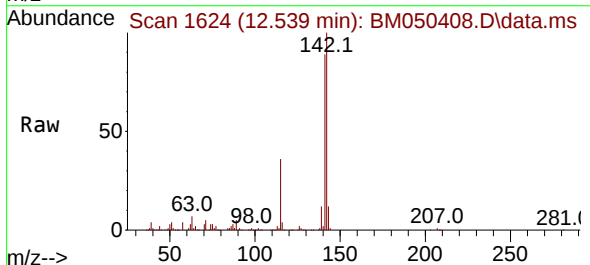
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

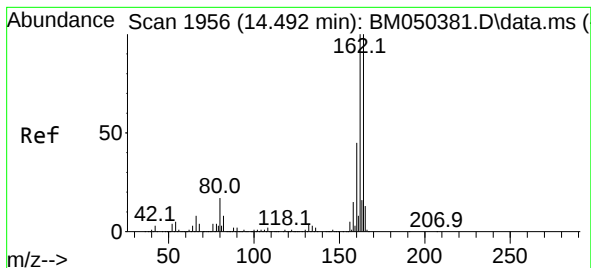
Tgt Ion:142 Resp: 422463
Ion Ratio Lower Upper
142 100
141 88.7 70.8 106.2
115 33.7 27.0 40.4



#38
1-Methylnaphthalene
Concen: 9.029 ng
RT: 12.539 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:142 Resp: 444865
Ion Ratio Lower Upper
142 100
141 88.6 71.9 107.9
116 3.8 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: BM050408.D

Acq: 11 Jul 2025 11:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

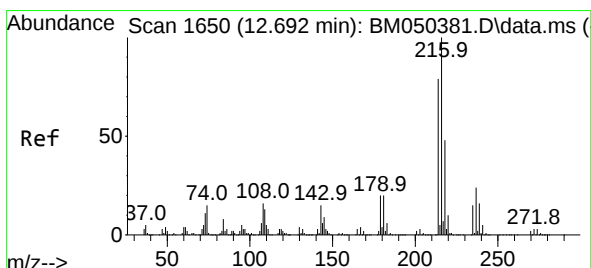
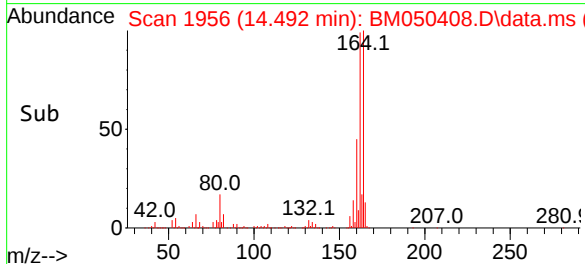
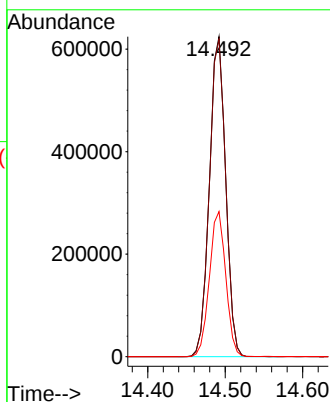
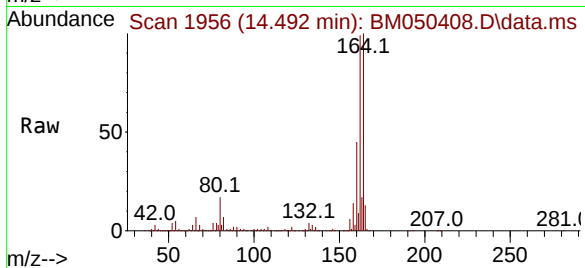
Tgt Ion:164 Resp: 908326

Ion Ratio Lower Upper

164 100

162 99.3 79.9 119.9

160 45.4 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.150 ng

RT: 12.686 min Scan# 1649

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

Tgt Ion:216 Resp: 264300

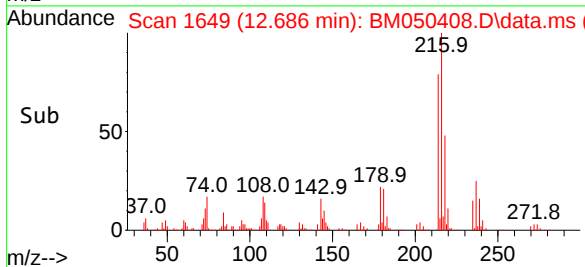
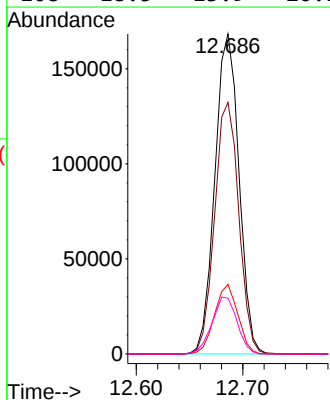
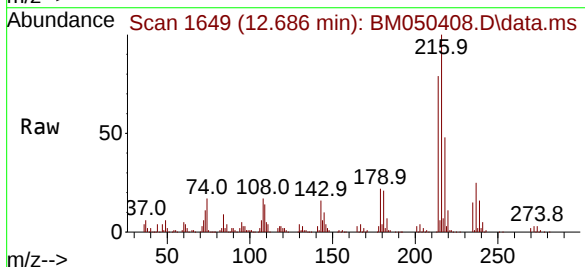
Ion Ratio Lower Upper

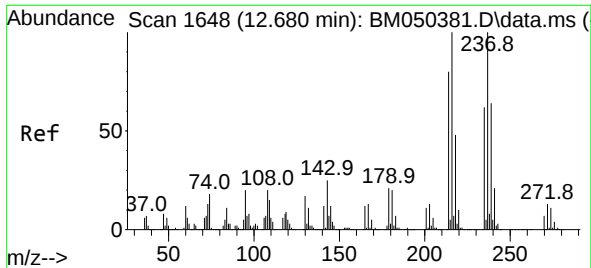
216 100

214 78.8 63.3 94.9

179 21.1 16.4 24.6

108 18.5 13.9 20.9

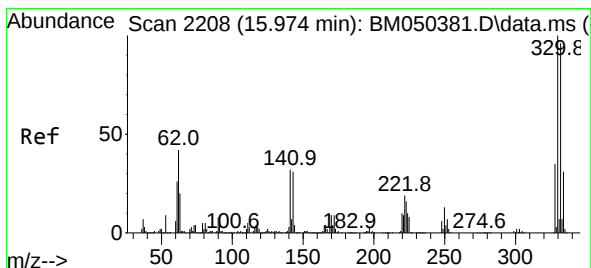
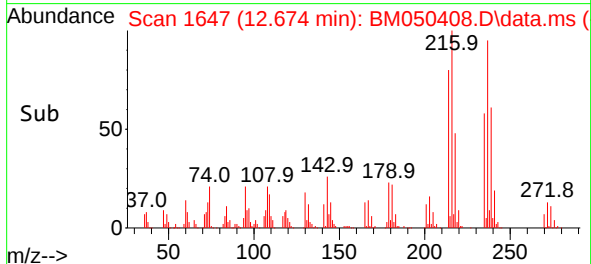
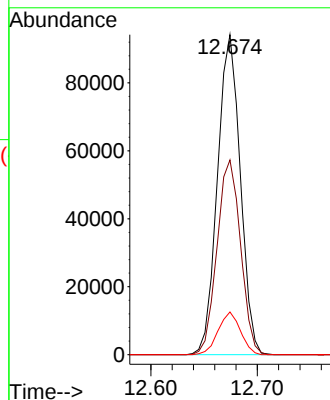
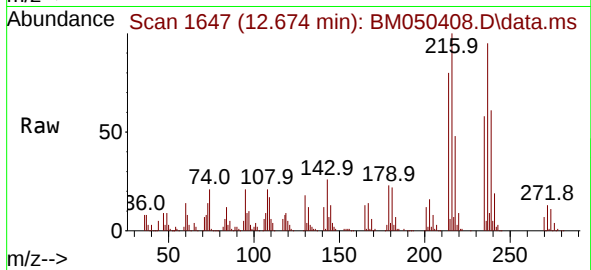




#41
Hexachlorocyclopentadiene
Concen: 7.584 ng
RT: 12.674 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

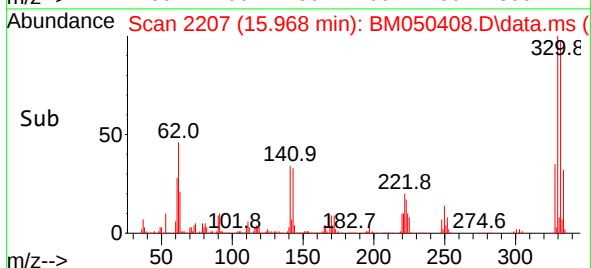
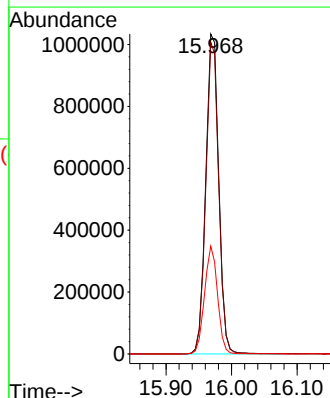
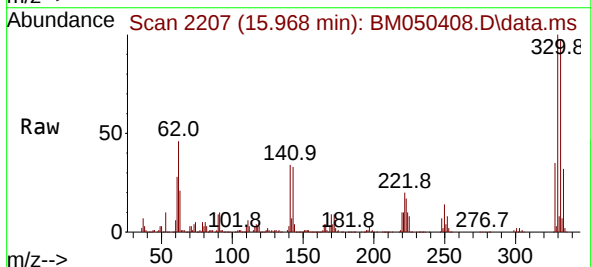
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

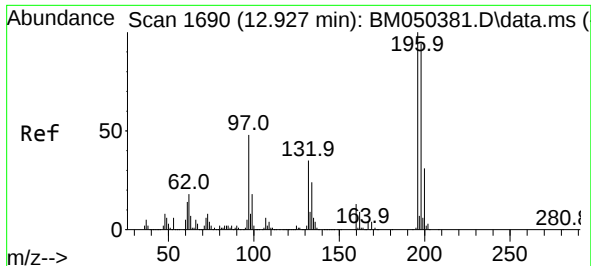
Tgt Ion:237 Resp: 140039
Ion Ratio Lower Upper
237 100
235 60.8 42.3 82.3
272 13.4 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 129.707 ng
RT: 15.968 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:330 Resp: 1431480
Ion Ratio Lower Upper
330 100
332 96.5 76.9 115.3
141 33.7 27.4 41.0

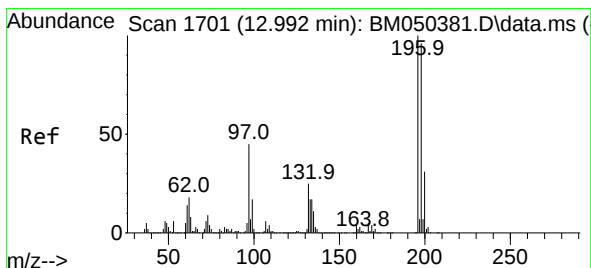
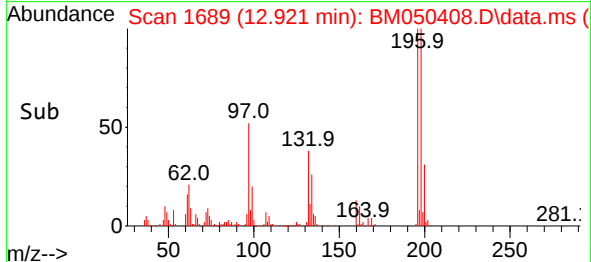
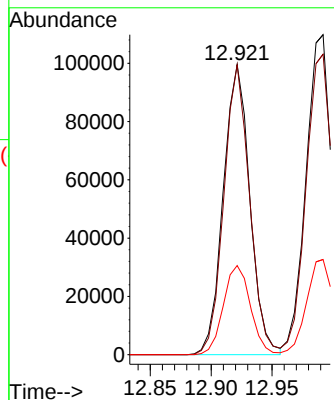
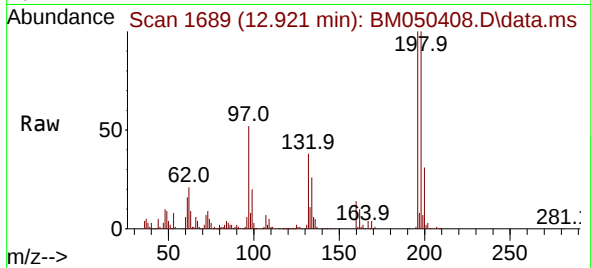




#43
2,4,6-Trichlorophenol
Concen: 8.520 ng
RT: 12.921 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

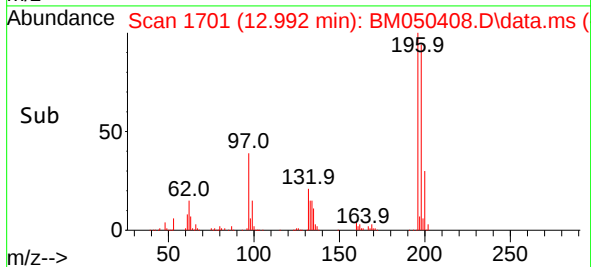
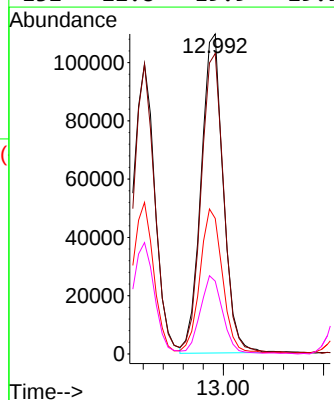
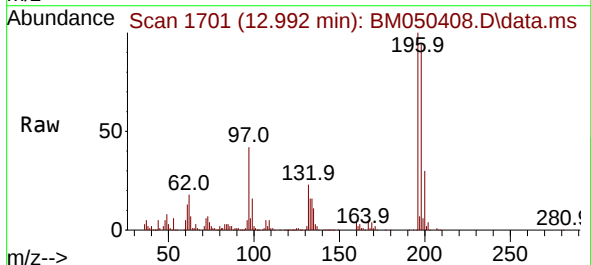
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

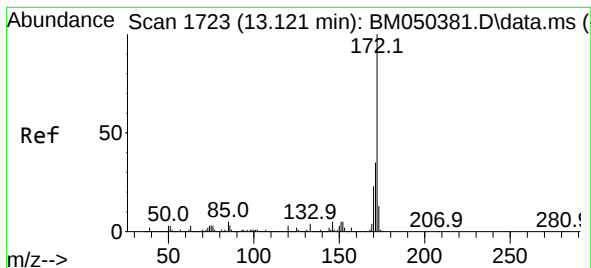
Tgt Ion:196 Resp: 151495
Ion Ratio Lower Upper
196 100
198 99.9 75.1 112.7
200 30.7 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 8.701 ng
RT: 12.992 min Scan# 1701
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:196 Resp: 168954
Ion Ratio Lower Upper
196 100
198 93.9 77.2 115.8
97 42.4 36.2 54.4
132 22.8 19.9 29.9





#45

2-Fluorobiphenyl

Concen: 81.007 ng

RT: 13.115 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

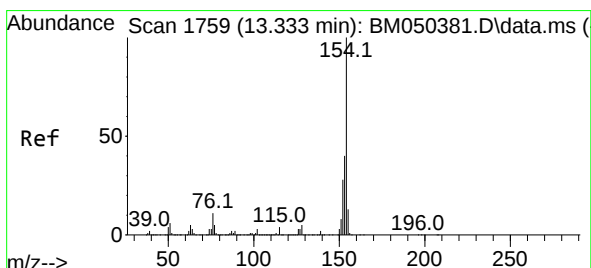
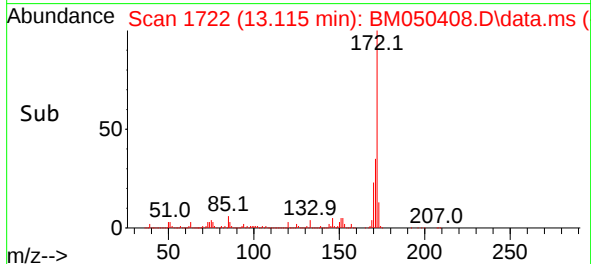
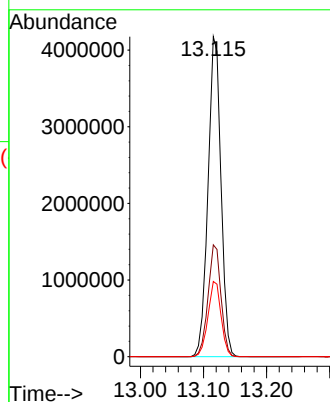
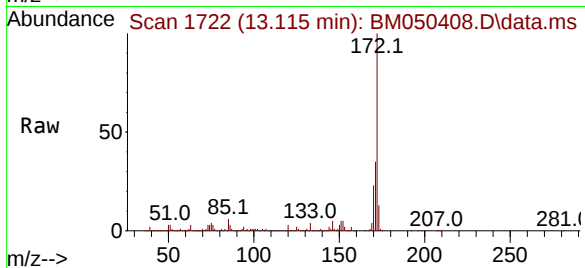
Tgt Ion:172 Resp: 5958262

Ion Ratio Lower Upper

172 100

171 35.0 27.7 41.5

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 9.597 ng

RT: 13.327 min Scan# 1758

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

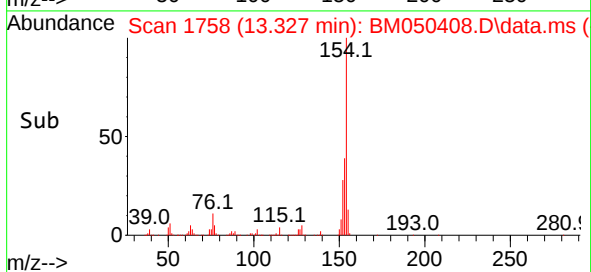
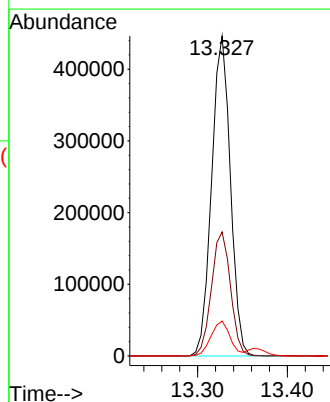
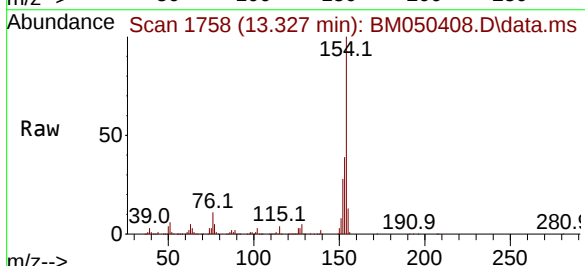
Tgt Ion:154 Resp: 646751

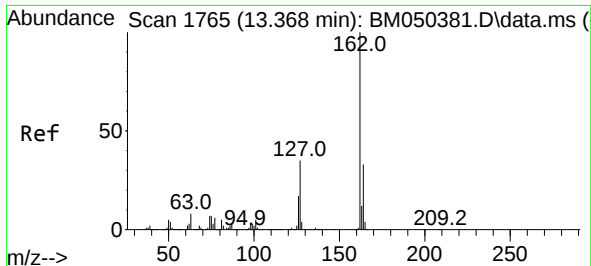
Ion Ratio Lower Upper

154 100

153 38.8 19.7 59.7

76 10.9 0.0 30.9

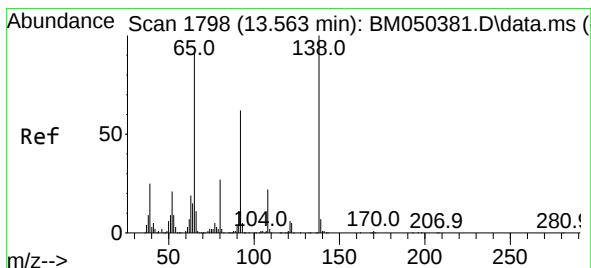
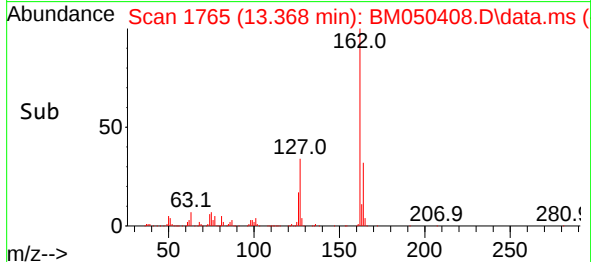
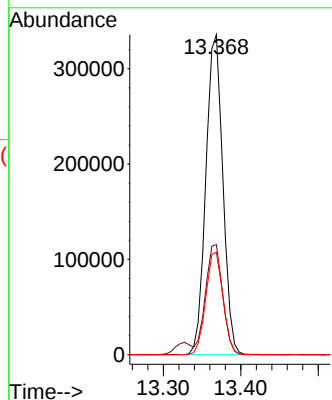
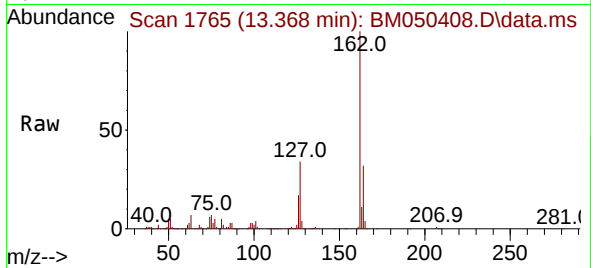




#47
2-Chloronaphthalene
Concen: 9.512 ng
RT: 13.368 min Scan# 1765
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

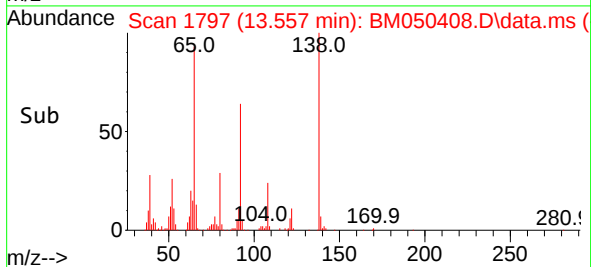
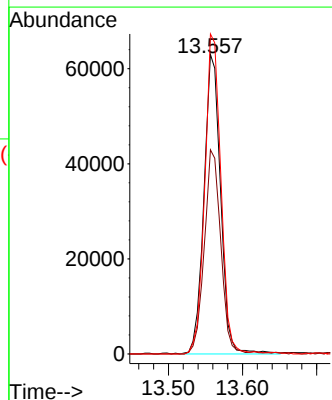
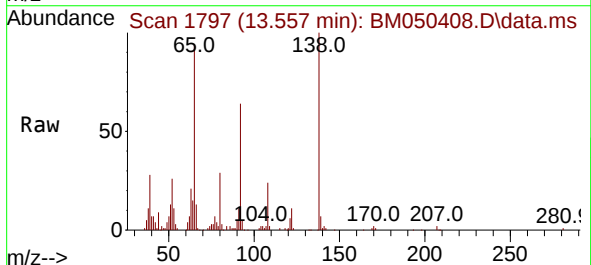
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT2-2025

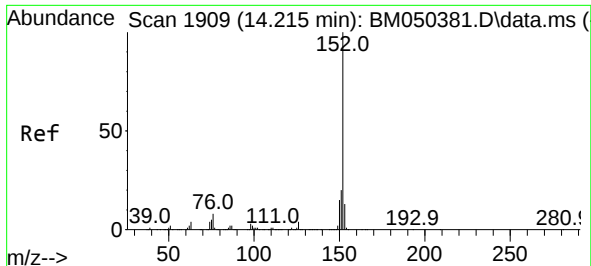
Tgt Ion:162 Resp: 511117
Ion Ratio Lower Upper
162 100
127 34.4 28.3 42.5
164 32.0 26.6 40.0



#48
2-Nitroaniline
Concen: 8.189 ng
RT: 13.557 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion: 65 Resp: 98213
Ion Ratio Lower Upper
65 100
92 68.1 54.3 81.5
138 106.8 87.8 131.6

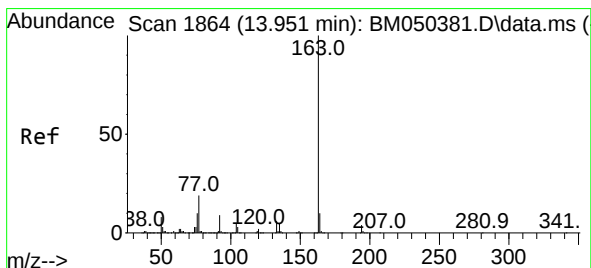
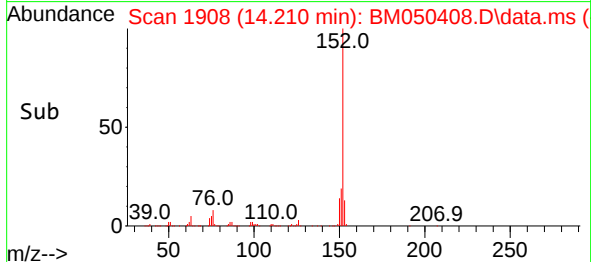
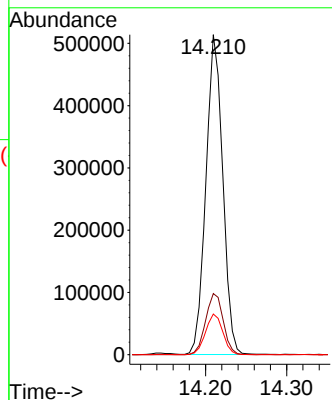
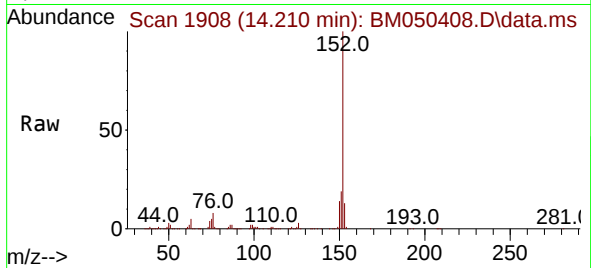




#49
Acenaphthylene
Concen: 9.082 ng
RT: 14.210 min Scan# 1908
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

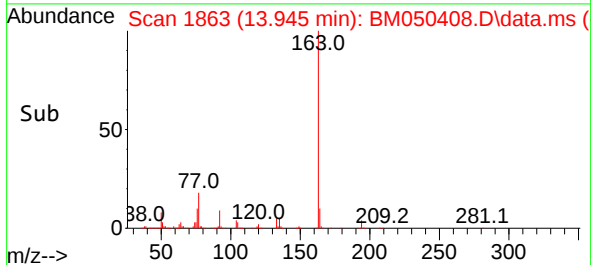
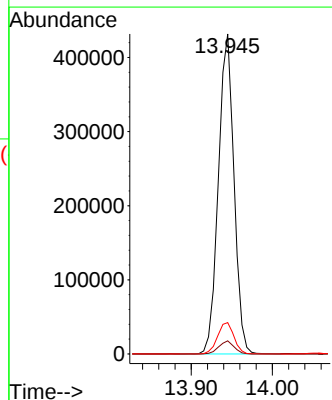
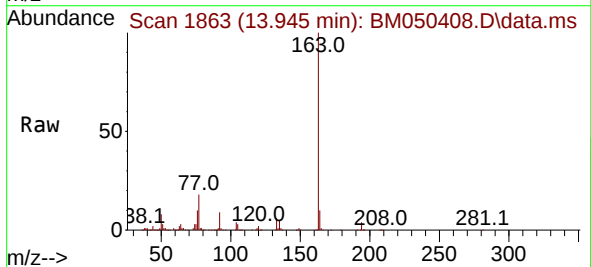
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

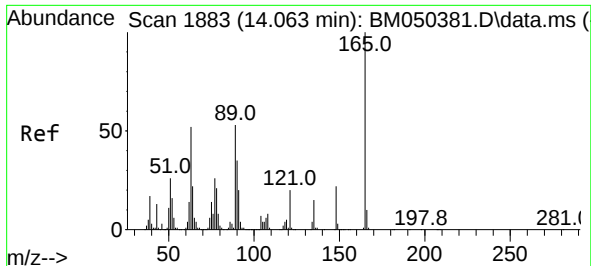
Tgt Ion:152 Resp: 737472
Ion Ratio Lower Upper
152 100
151 19.1 16.3 24.5
153 12.7 10.6 15.8



#50
Dimethylphthalate
Concen: 9.240 ng
RT: 13.945 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:163 Resp: 577807
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 9.8 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 8.636 ng

RT: 14.051 min Scan# 1881

Delta R.T. -0.012 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

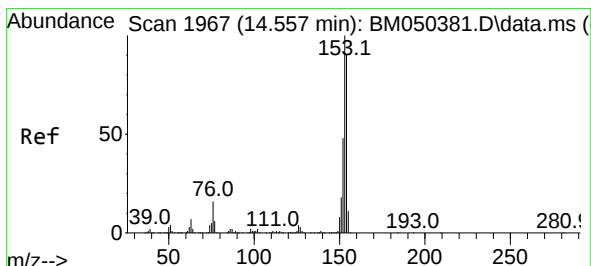
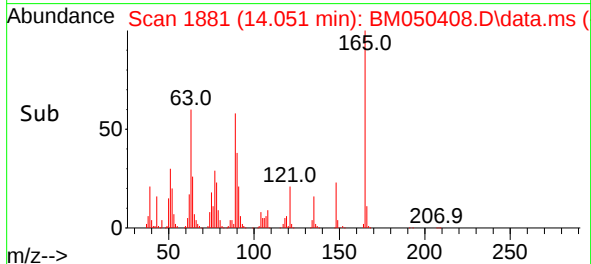
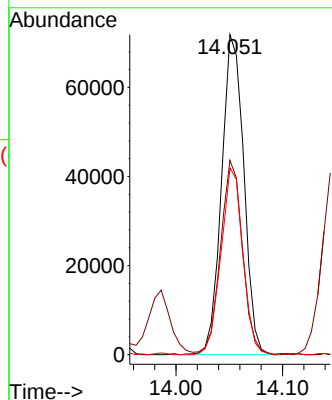
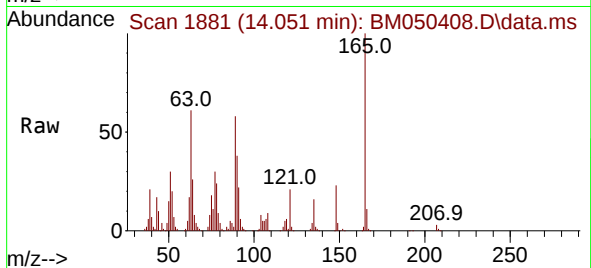
Tgt Ion:165 Resp: 103698

Ion Ratio Lower Upper

165 100

63 60.7 42.4 63.6

89 58.3 42.2 63.2



#52

Acenaphthene

Concen: 9.055 ng

RT: 14.551 min Scan# 1966

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

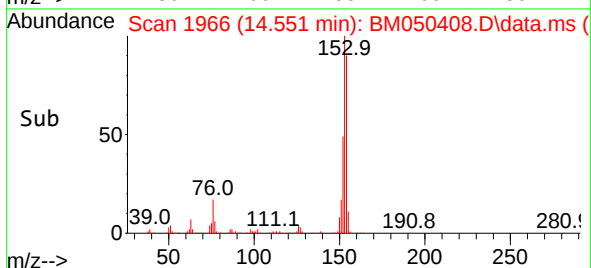
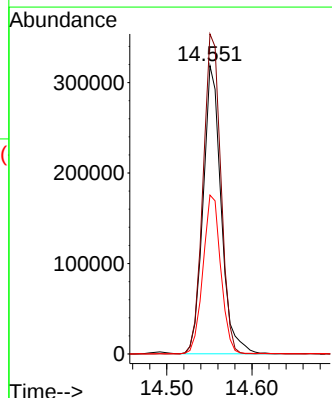
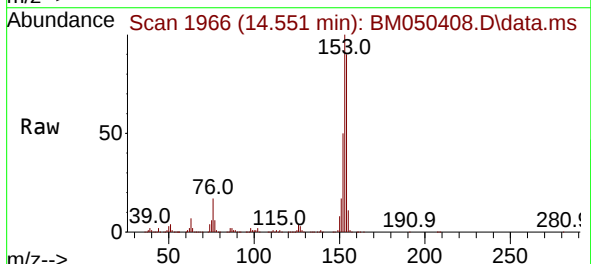
Tgt Ion:154 Resp: 467493

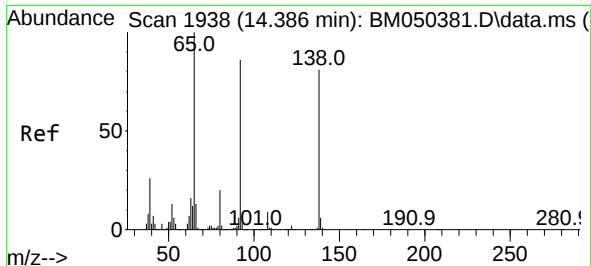
Ion Ratio Lower Upper

154 100

153 111.0 89.2 133.8

152 55.1 42.6 64.0

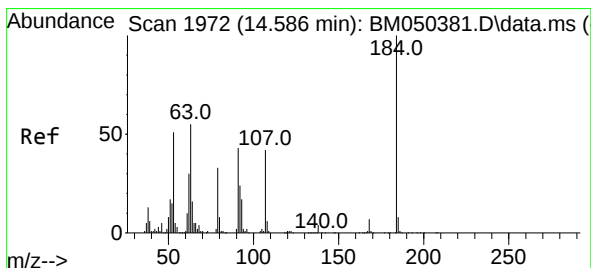
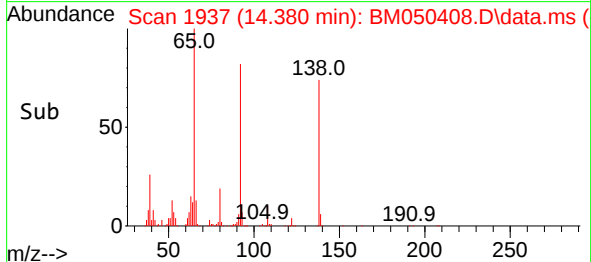
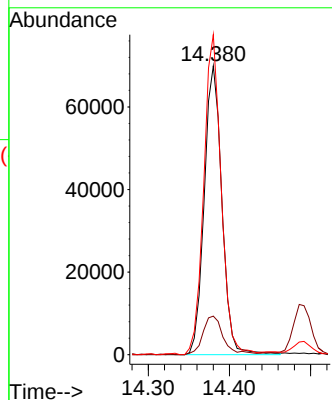
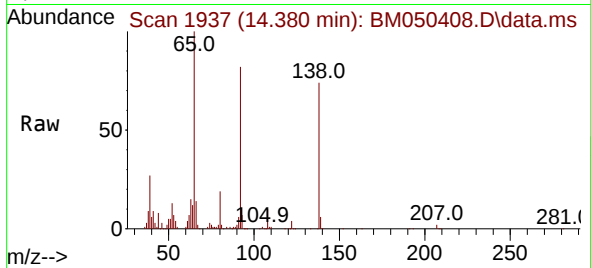




#53
3-Nitroaniline
Concen: 8.296 ng
RT: 14.380 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

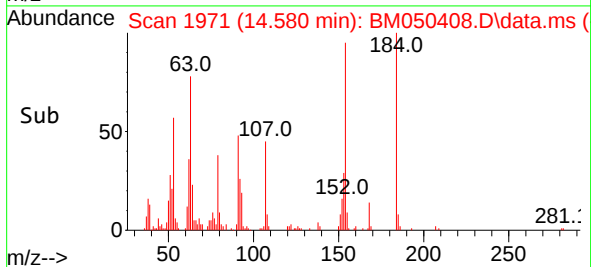
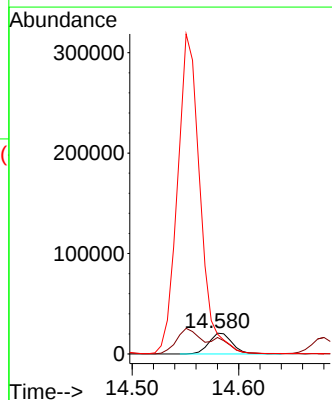
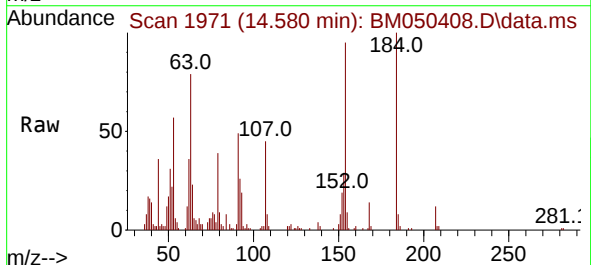
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

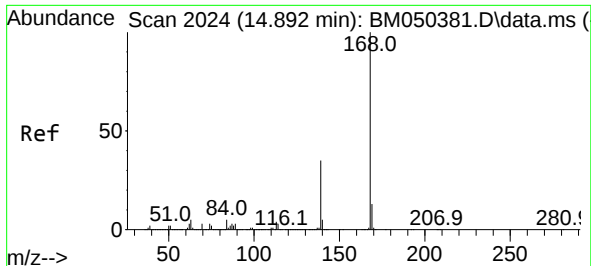
Tgt Ion:138 Resp: 105935
Ion Ratio Lower Upper
138 100
108 13.4 8.8 13.2#
92 110.8 85.0 127.6



#54
2,4-Dinitrophenol
Concen: 10.807 ng
RT: 14.580 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:184 Resp: 31691
Ion Ratio Lower Upper
184 100
63 79.2 53.4 80.0
154 95.2 61.6 92.4#

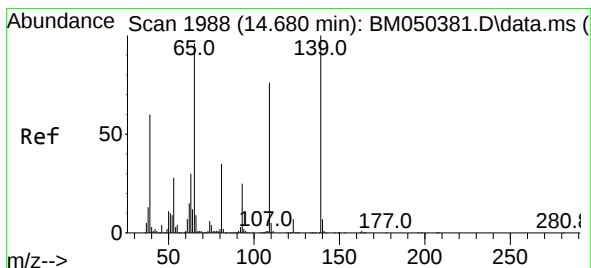
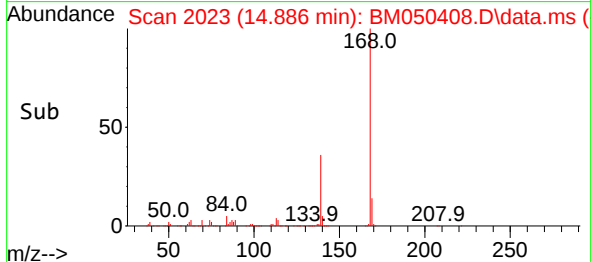
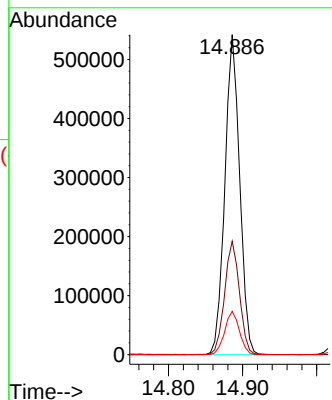
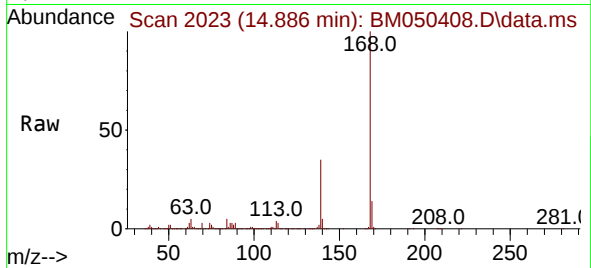




#55
Dibenzenofuran
Concen: 9.458 ng
RT: 14.886 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

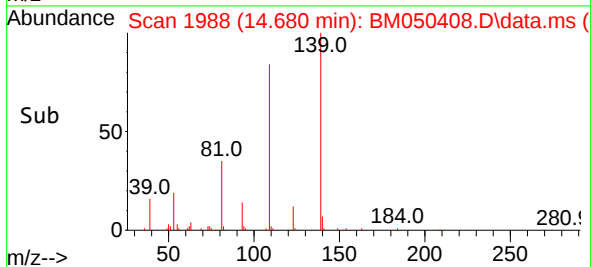
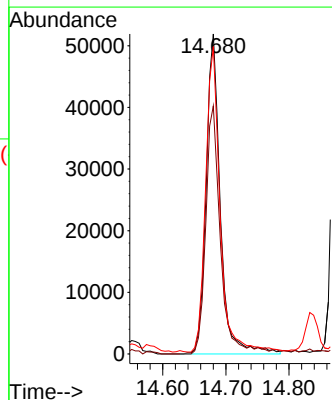
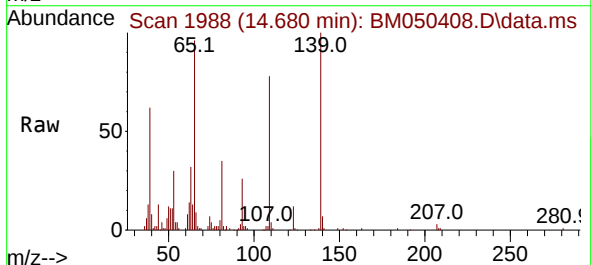
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

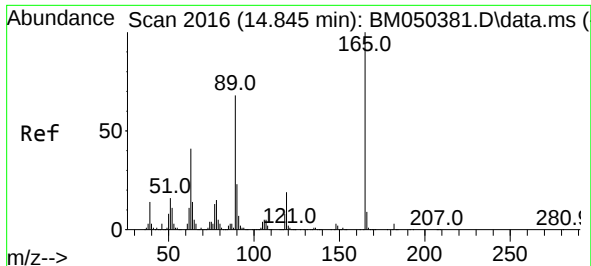
Tgt Ion:168 Resp: 752368
Ion Ratio Lower Upper
168 100
139 35.4 27.7 41.5
169 13.6 10.7 16.1



#56
4-Nitrophenol
Concen: 7.399 ng
RT: 14.680 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:139 Resp: 81247
Ion Ratio Lower Upper
139 100
109 77.5 56.5 96.5
65 96.0 76.4 116.4

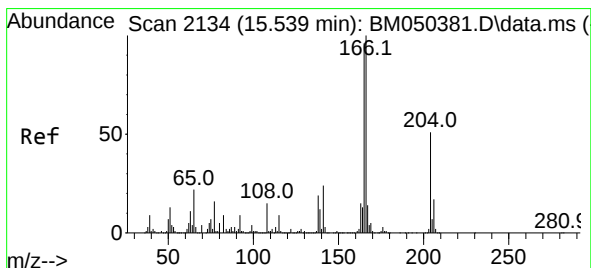
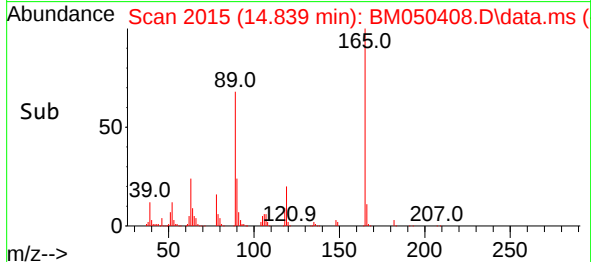
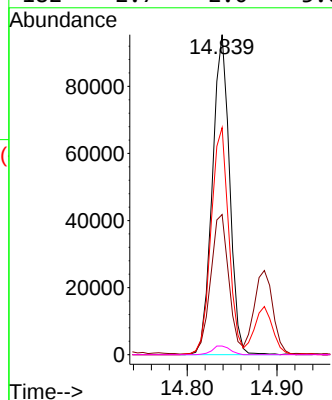
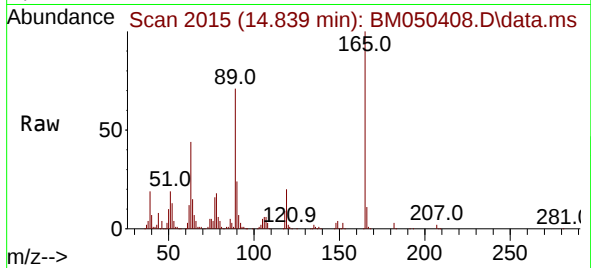




#57
2,4-Dinitrotoluene
Concen: 9.403 ng
RT: 14.839 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

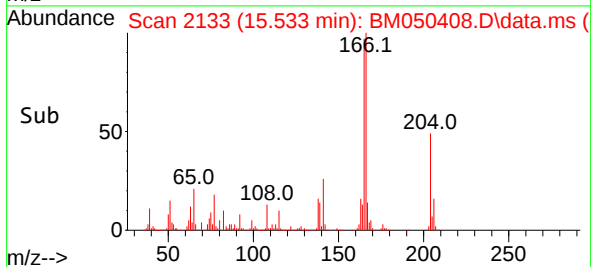
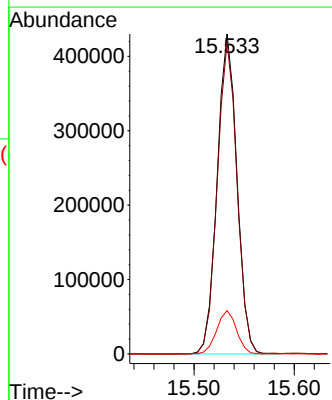
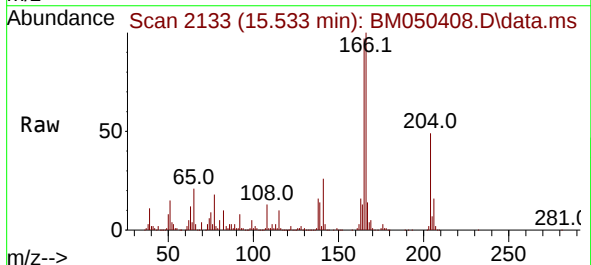
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

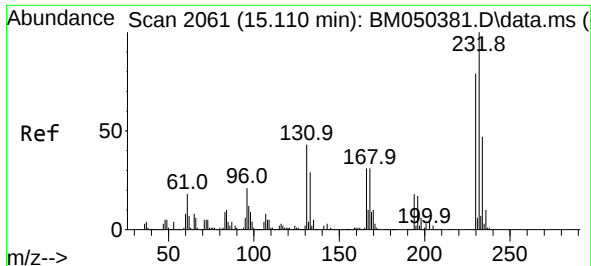
Tgt Ion:165 Resp: 127283
Ion Ratio Lower Upper
165 100
63 43.8 32.5 48.7
89 70.9 54.0 81.0
182 2.7 2.0 3.0



#58
Fluorene
Concen: 8.988 ng
RT: 15.533 min Scan# 2133
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:166 Resp: 588929
Ion Ratio Lower Upper
166 100
165 97.4 77.0 115.6
167 13.5 10.9 16.3

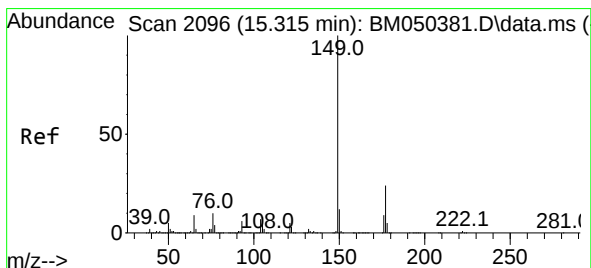
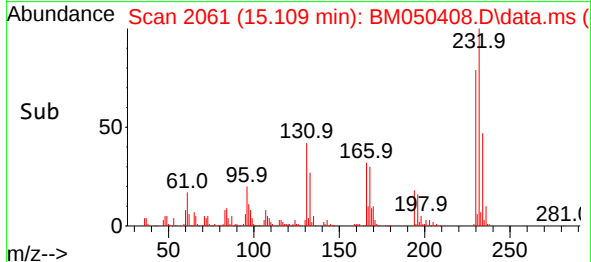
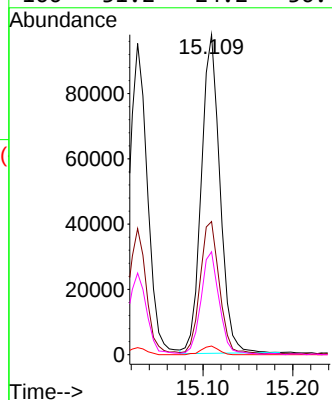
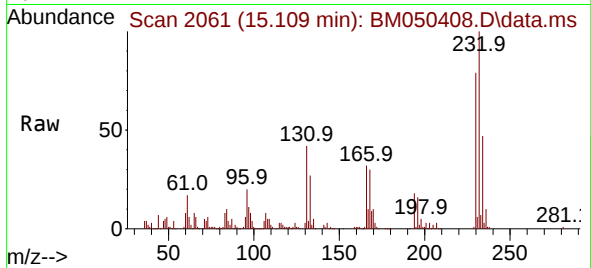




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.620 ng
RT: 15.109 min Scan# 2061
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

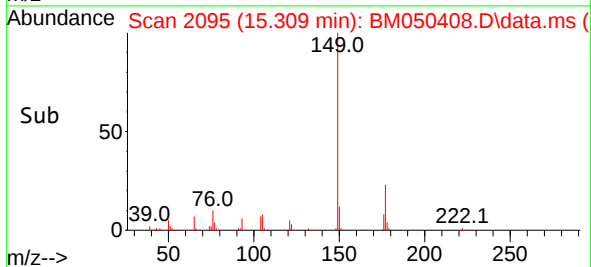
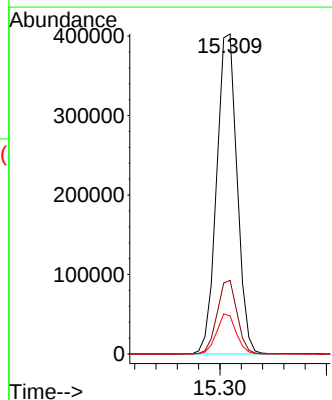
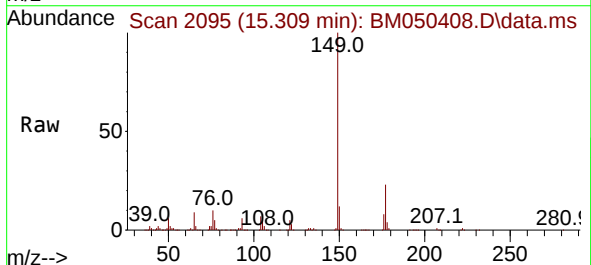
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

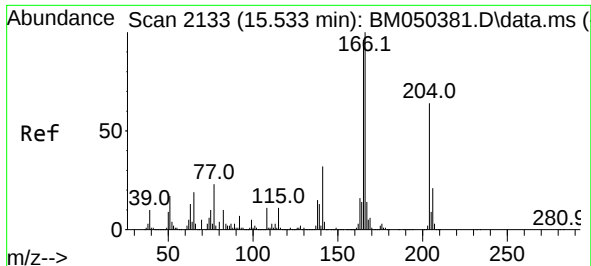
Tgt Ion:232 Resp: 140903
Ion Ratio Lower Upper
232 100
131 43.0 33.4 50.0
130 2.5 1.8 2.6
166 31.2 24.2 36.4



#60
Diethylphthalate
Concen: 8.952 ng
RT: 15.309 min Scan# 2095
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:149 Resp: 534777
Ion Ratio Lower Upper
149 100
177 23.0 18.8 28.2
150 11.9 9.8 14.8

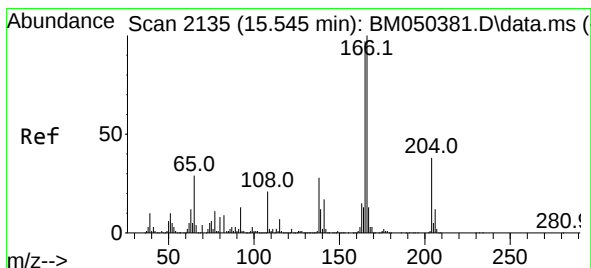
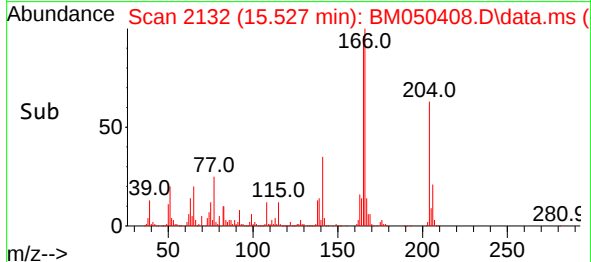
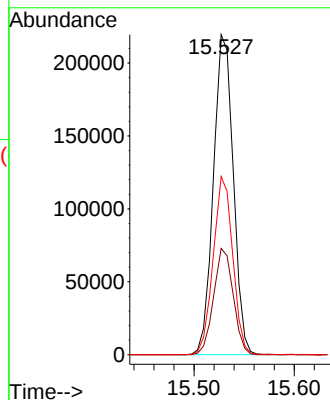
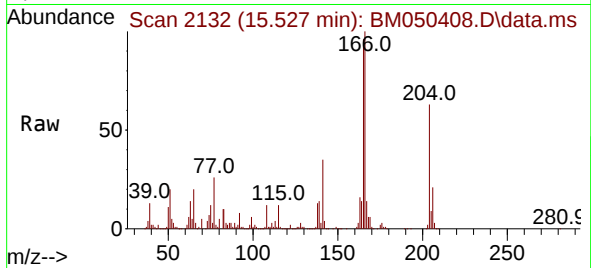




#61
4-Chlorophenyl-phenylether
Concen: 8.821 ng
RT: 15.527 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

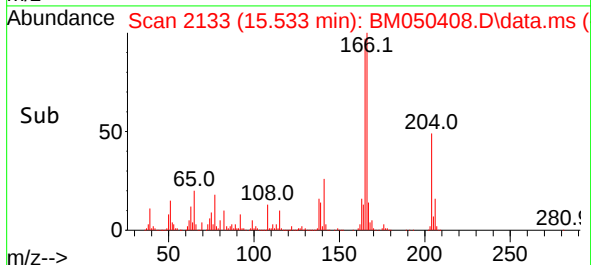
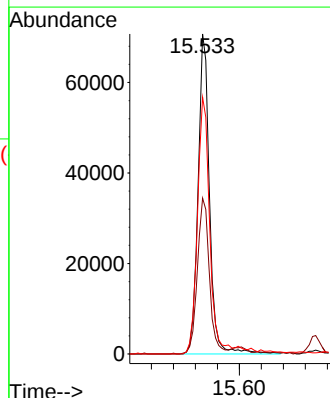
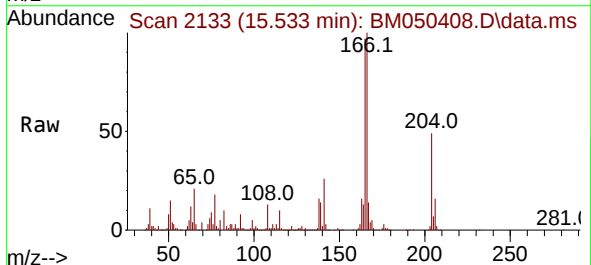
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

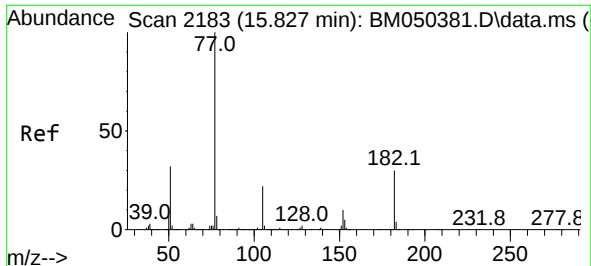
Tgt Ion:204 Resp: 302224
Ion Ratio Lower Upper
204 100
206 33.2 26.6 39.8
141 55.6 39.9 59.9



#62
4-Nitroaniline
Concen: 9.201 ng
RT: 15.533 min Scan# 2133
Delta R.T. -0.012 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:138 Resp: 102634
Ion Ratio Lower Upper
138 100
92 48.7 24.5 64.5
108 80.2 52.5 92.5

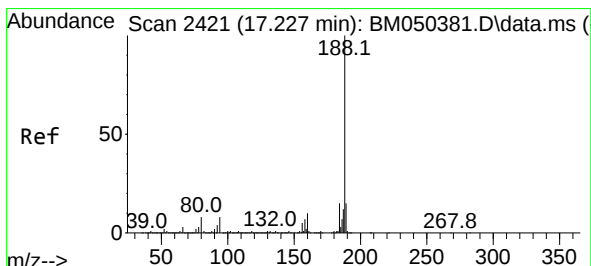
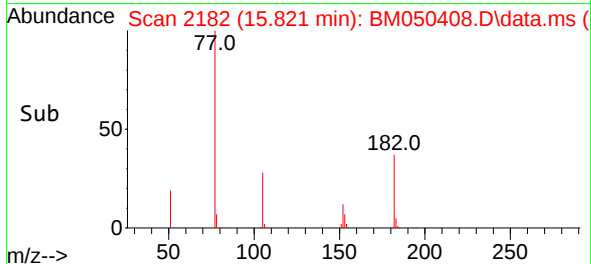
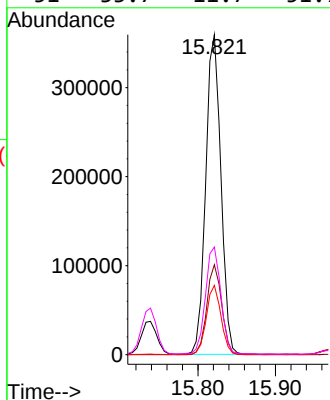
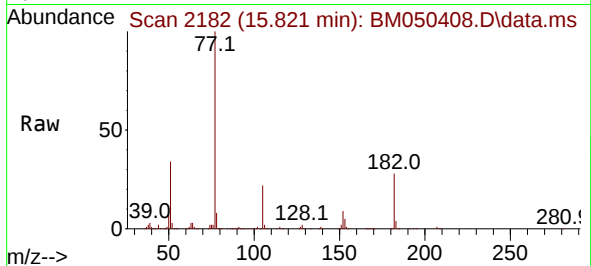




#63
Azobenzene
Concen: 8.902 ng
RT: 15.821 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

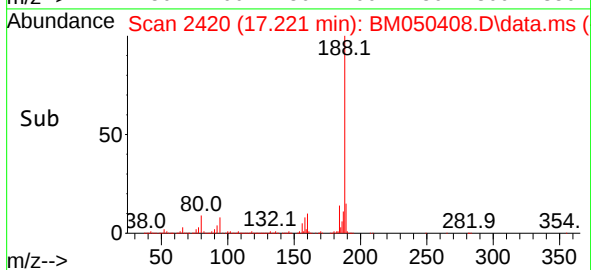
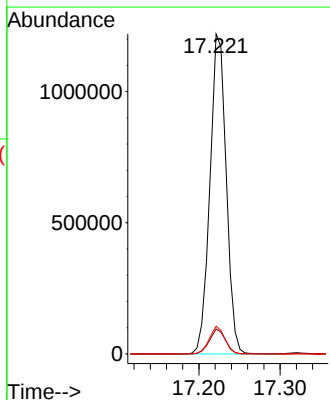
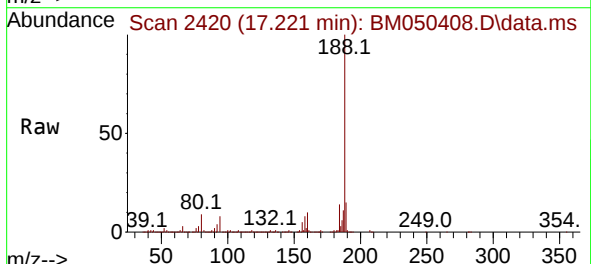
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

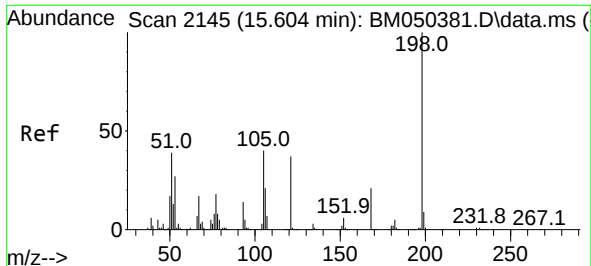
Tgt Ion: 77	Resp: 488284
Ion Ratio	Lower Upper
77 100	
182 28.1	10.0 50.0
105 21.7	2.0 42.0
51 33.7	11.7 51.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:188	Resp: 1700343		
Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.0	9.0
80	8.6	6.5	9.7

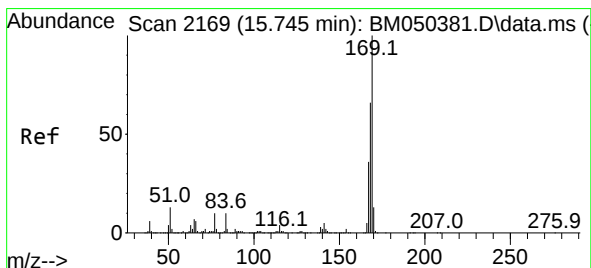
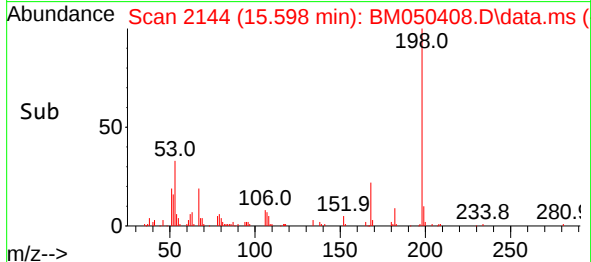
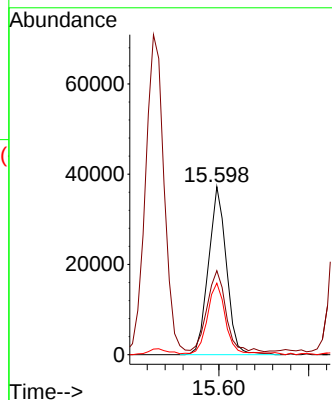
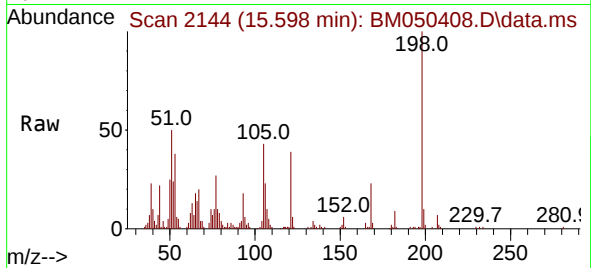




#65
4,6-Dinitro-2-methylphenol
Concen: 11.211 ng
RT: 15.598 min Scan# 2144
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

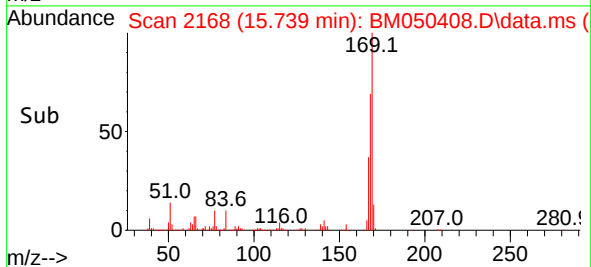
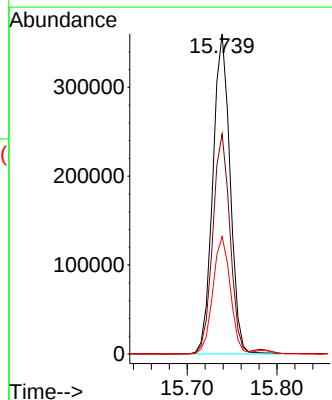
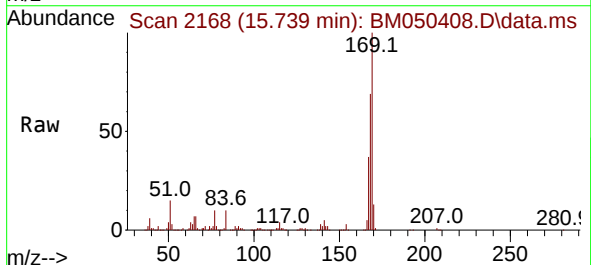
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

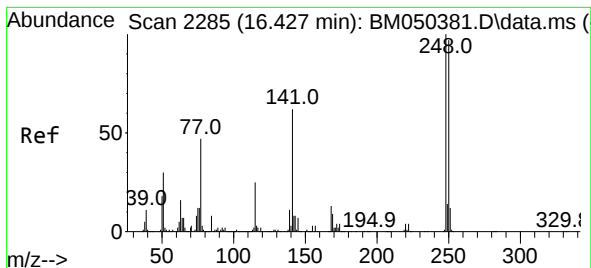
Tgt Ion:198 Resp: 51663
Ion Ratio Lower Upper
198 100
51 50.0 26.6 66.6
105 42.6 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 9.044 ng
RT: 15.739 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:169 Resp: 481177
Ion Ratio Lower Upper
169 100
168 68.8 53.2 79.8
167 36.7 28.7 43.1

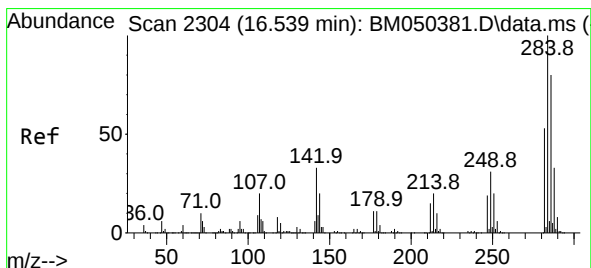
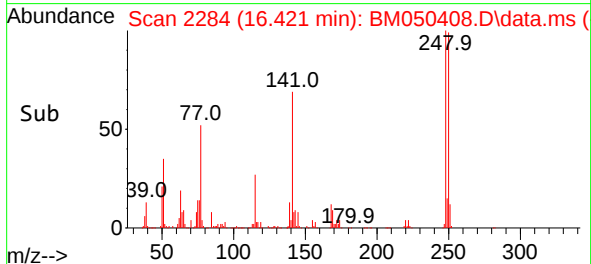
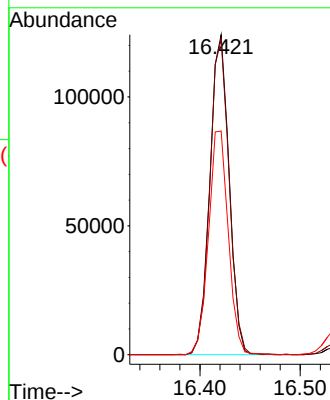
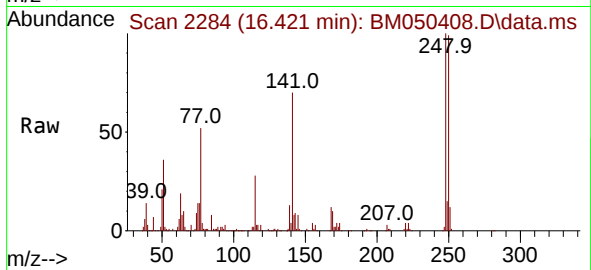




#67
4-Bromophenyl-phenylether
Concen: 8.866 ng
RT: 16.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

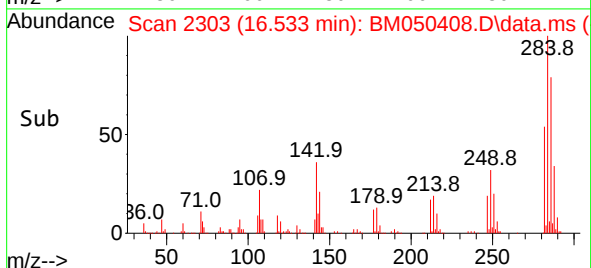
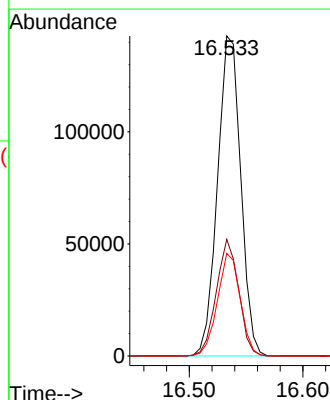
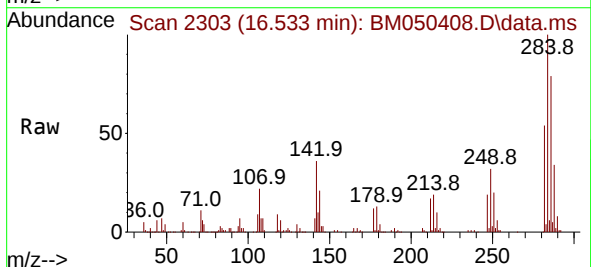
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

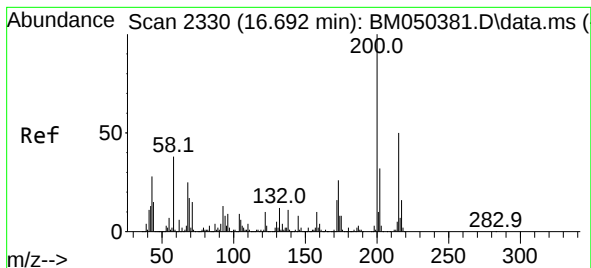
Tgt Ion:248 Resp: 166093
Ion Ratio Lower Upper
248 100
250 98.5 77.9 116.9
141 69.9 49.7 74.5



#68
Hexachlorobenzene
Concen: 9.177 ng
RT: 16.533 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:284 Resp: 203060
Ion Ratio Lower Upper
284 100
142 36.5 26.8 40.2
249 32.1 24.5 36.7





#69

Atrazine

Concen: 8.590 ng

RT: 16.680 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

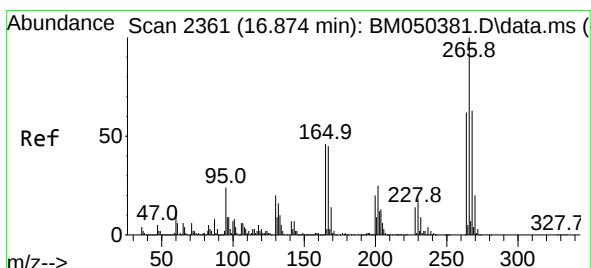
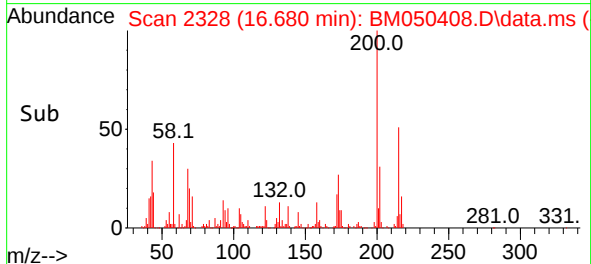
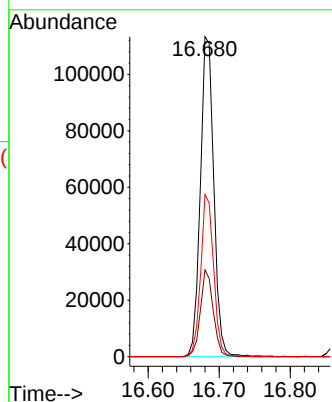
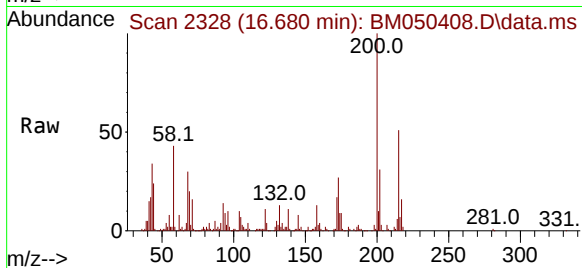
Tgt Ion:200 Resp: 150083

Ion Ratio Lower Upper

200 100

173 27.1 5.6 45.6

215 50.6 29.6 69.6



#70

Pentachlorophenol

Concen: 7.641 ng

RT: 16.874 min Scan# 2361

Delta R.T. -0.000 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

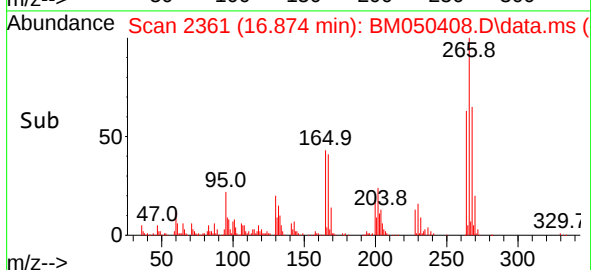
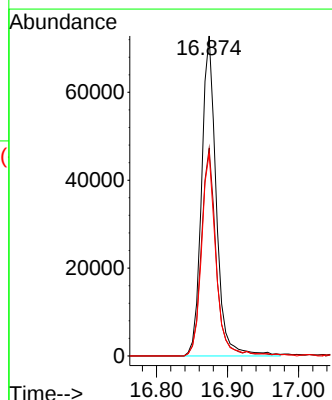
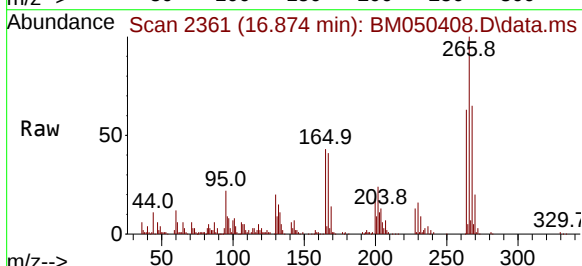
Tgt Ion:266 Resp: 105248

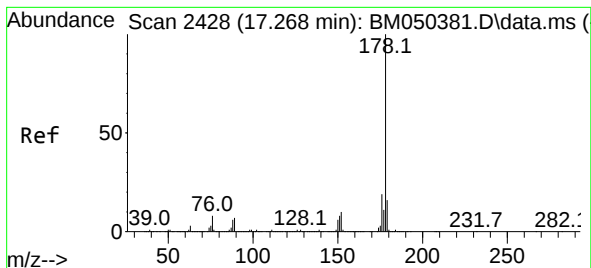
Ion Ratio Lower Upper

266 100

268 64.9 50.5 75.7

264 63.3 49.9 74.9





#71

Phenanthrene

Concen: 9.276 ng

RT: 17.262 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

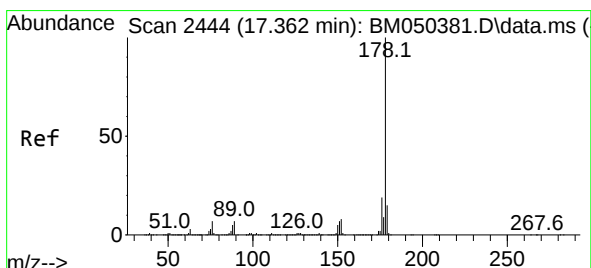
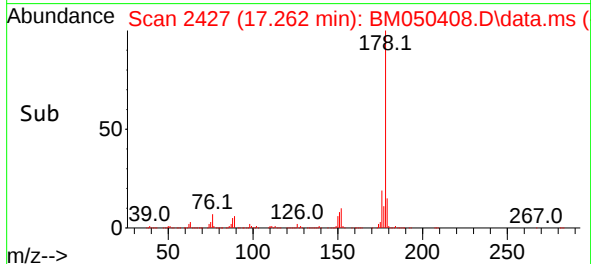
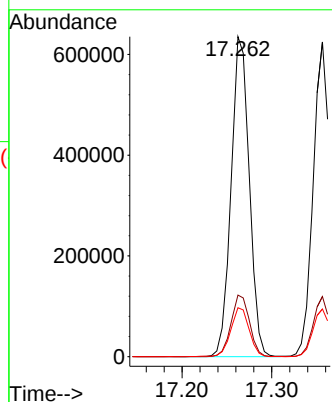
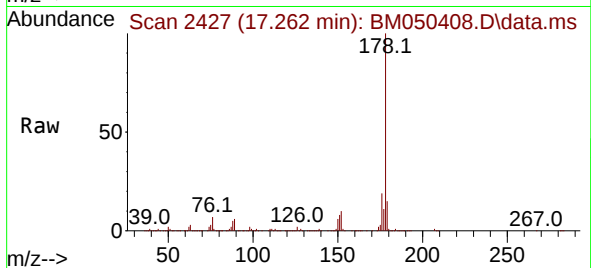
Tgt Ion:178 Resp: 892505

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 15.3 12.5 18.7



#72

Anthracene

Concen: 8.924 ng

RT: 17.356 min Scan# 2443

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

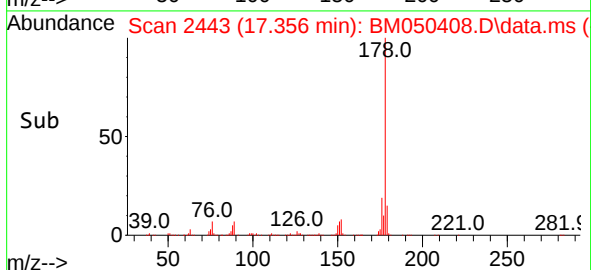
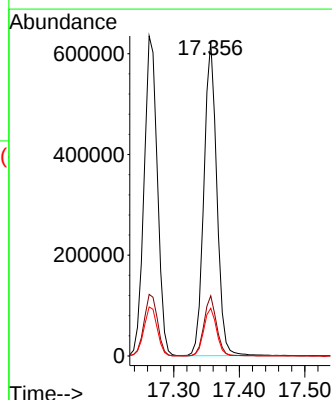
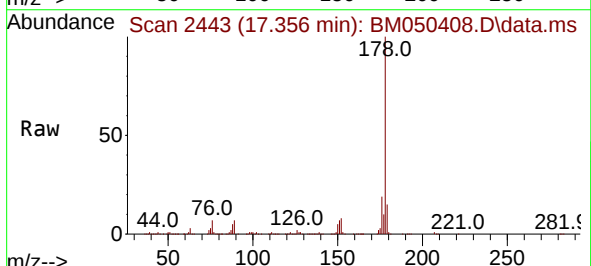
Tgt Ion:178 Resp: 854708

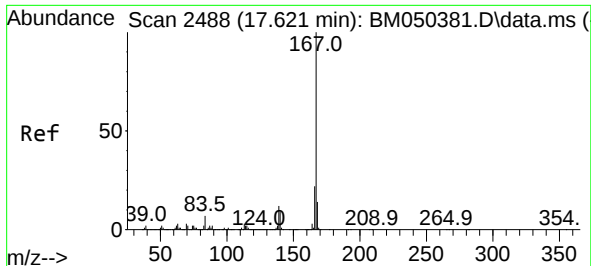
Ion Ratio Lower Upper

178 100

176 19.1 14.9 22.3

179 15.2 12.2 18.4

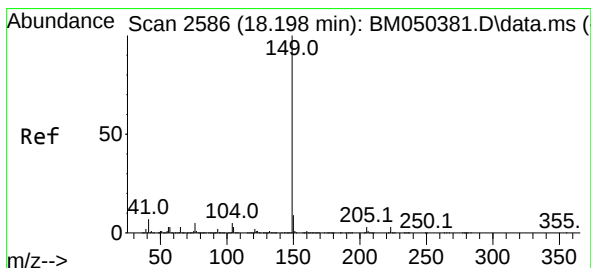
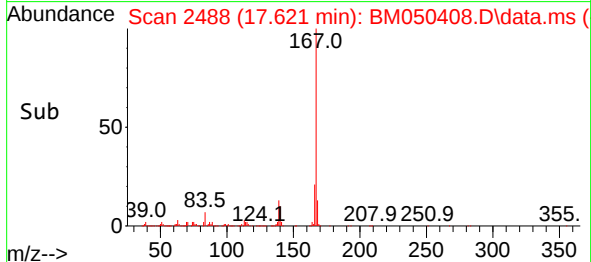
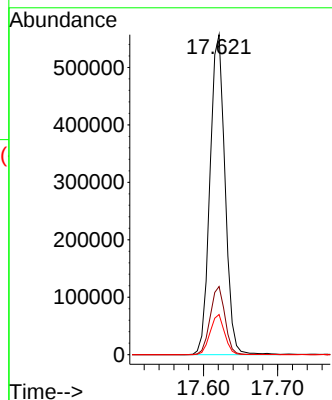
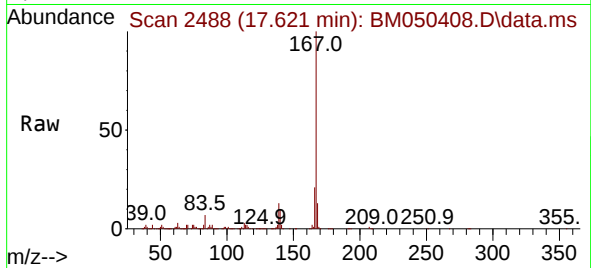




#73
 Carbazole
 Concen: 9.070 ng
 RT: 17.621 min Scan# 2488
 Delta R.T. -0.000 min
 Lab File: BM050408.D
 Acq: 11 Jul 2025 11:39

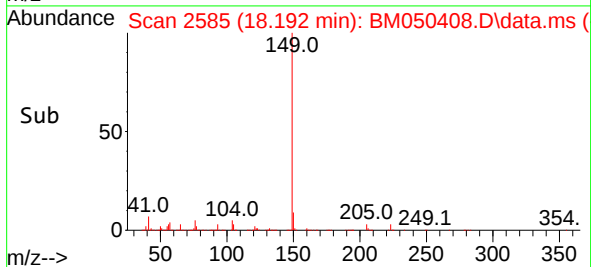
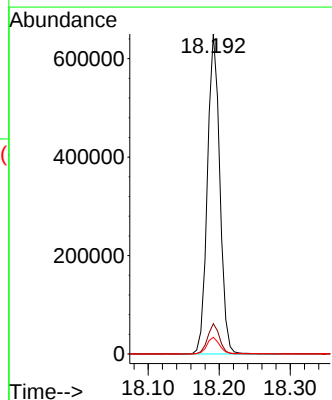
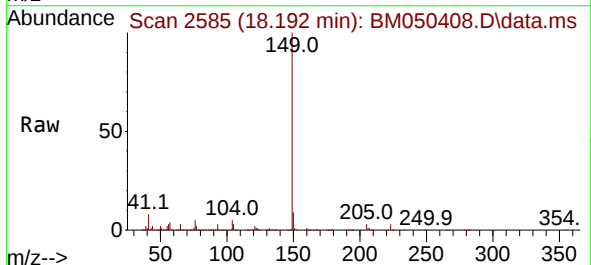
Instrument : BNA_M
 ClientSampleId : LOQ-SOIL-02-QT2-2025

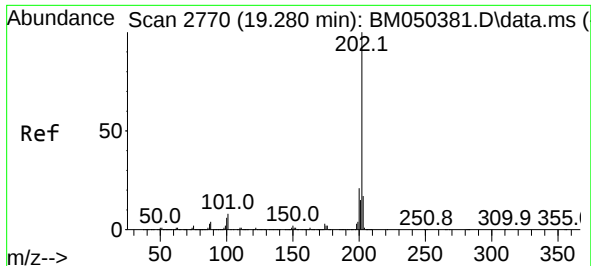
Tgt Ion:167 Resp: 785983
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.2 25.8
 139 12.5 9.9 14.9



#74
 Di-n-butylphthalate
 Concen: 8.329 ng
 RT: 18.192 min Scan# 2585
 Delta R.T. -0.006 min
 Lab File: BM050408.D
 Acq: 11 Jul 2025 11:39

Tgt Ion:149 Resp: 790013
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.3 10.9
 104 5.2 3.9 5.9

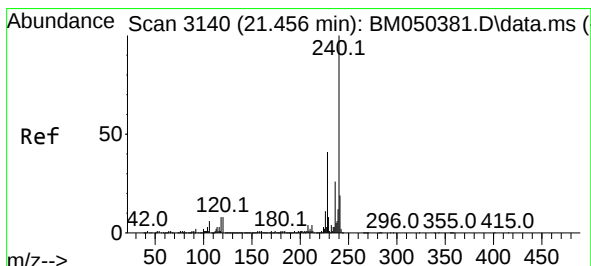
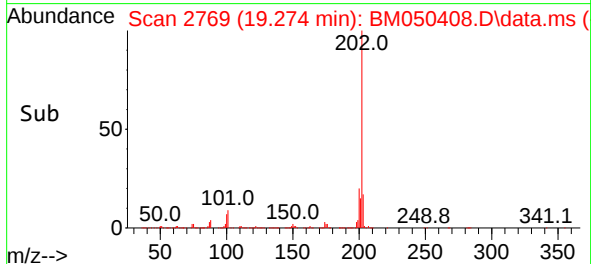
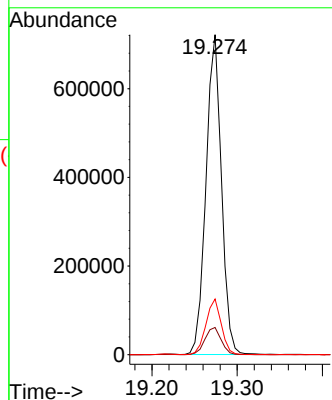
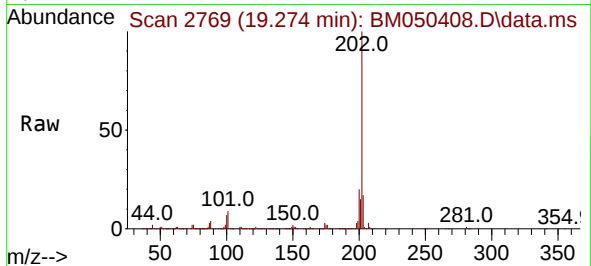




#75
Fluoranthene
Concen: 8.701 ng
RT: 19.274 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

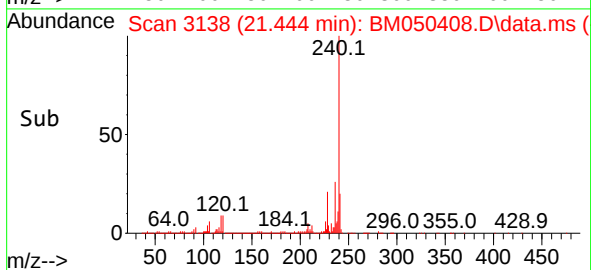
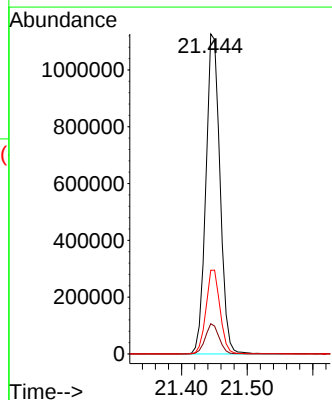
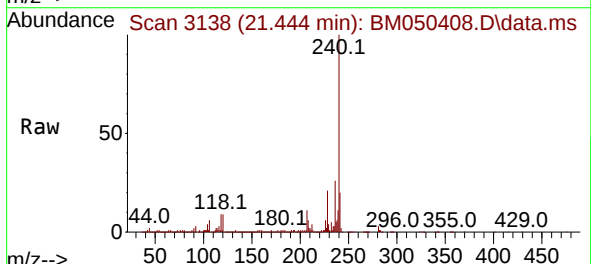
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

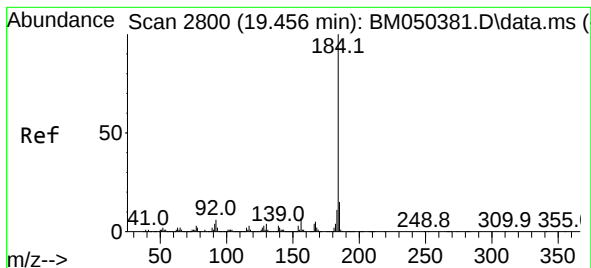
Tgt Ion:202 Resp: 910102
Ion Ratio Lower Upper
202 100
101 8.5 0.0 28.3
203 17.4 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3138
Delta R.T. -0.012 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:240 Resp: 1691403
Ion Ratio Lower Upper
240 100
120 9.4 6.7 10.1
236 26.2 20.7 31.1





#77

Benzidine

Concen: 8.951 ng

RT: 19.450 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

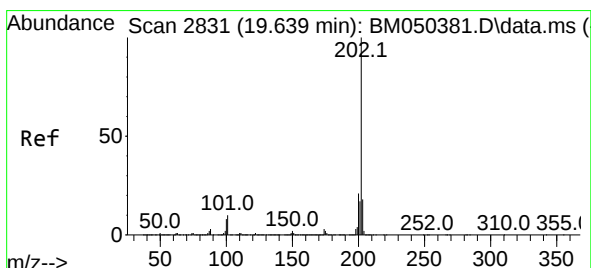
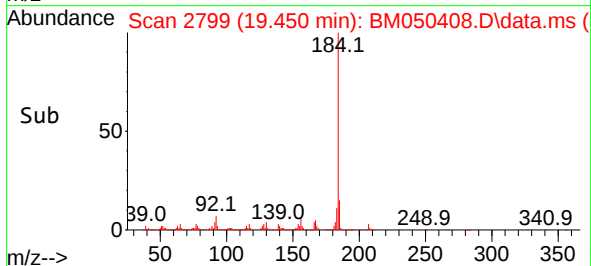
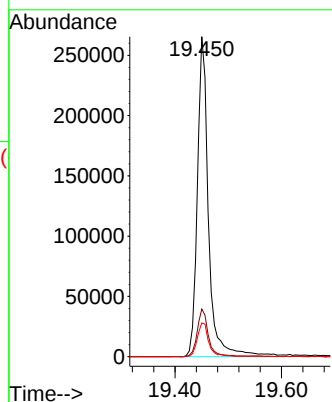
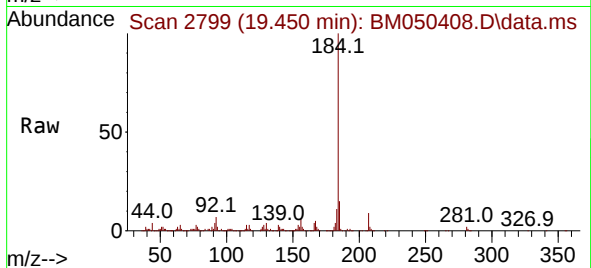
Tgt Ion:184 Resp: 386146

Ion Ratio Lower Upper

184 100

185 14.9 11.7 17.5

183 10.6 9.0 13.6



#78

Pyrene

Concen: 9.023 ng

RT: 19.633 min Scan# 2830

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

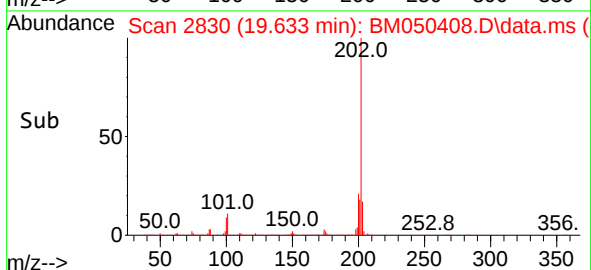
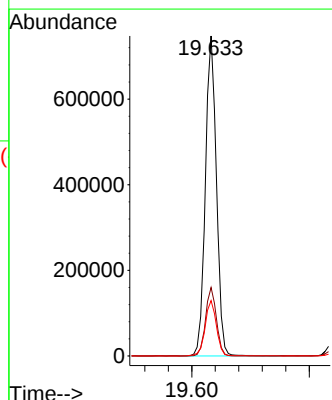
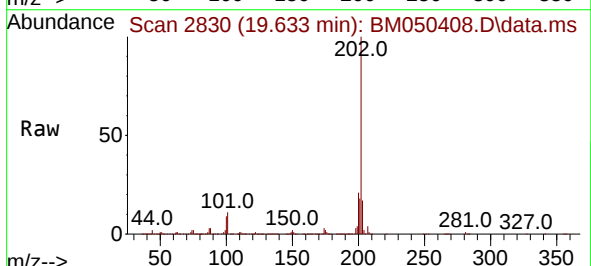
Tgt Ion:202 Resp: 977448

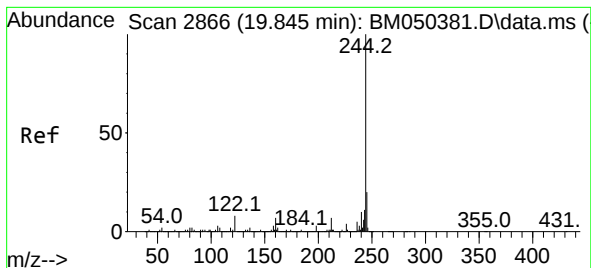
Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

203 17.3 14.1 21.1





#79

Terphenyl-d14

Concen: 97.985 ng

RT: 19.839 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

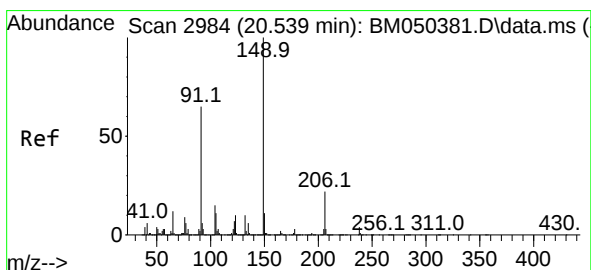
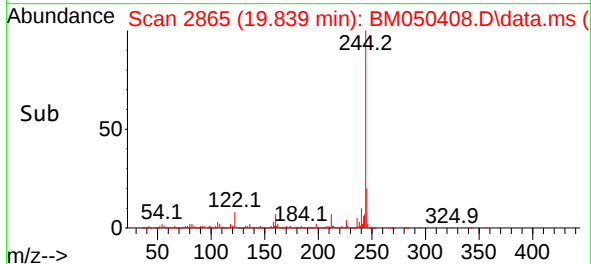
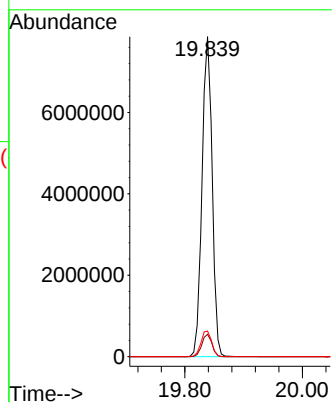
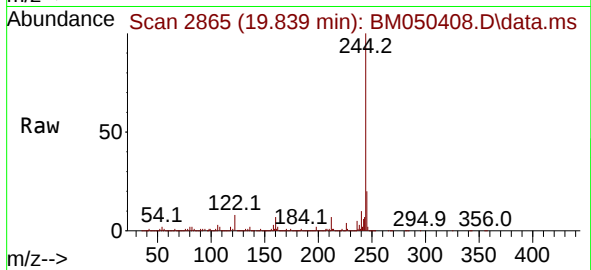
Tgt Ion:244 Resp: 9419541

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 8.0 6.2 9.2



#80

Butylbenzylphthalate

Concen: 8.145 ng

RT: 20.533 min Scan# 2983

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

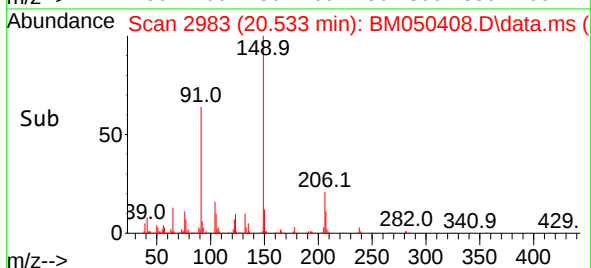
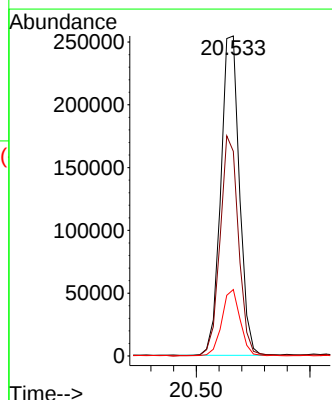
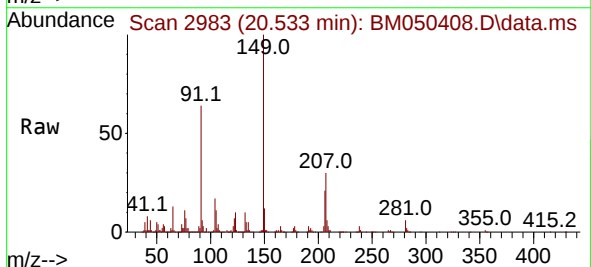
Tgt Ion:149 Resp: 290912

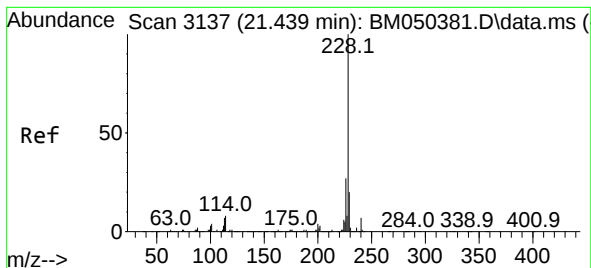
Ion Ratio Lower Upper

149 100

91 64.0 51.6 77.4

206 20.7 17.8 26.8





#81

Benzo(a)anthracene

Concen: 9.062 ng

RT: 21.433 min Scan# 3136

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

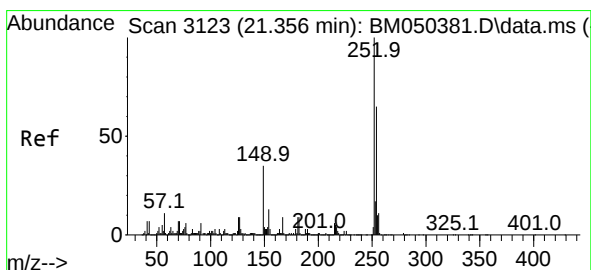
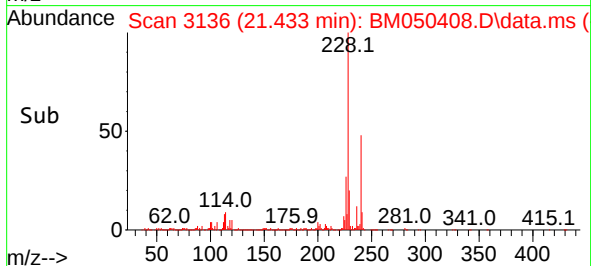
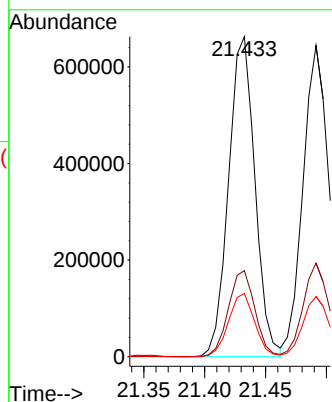
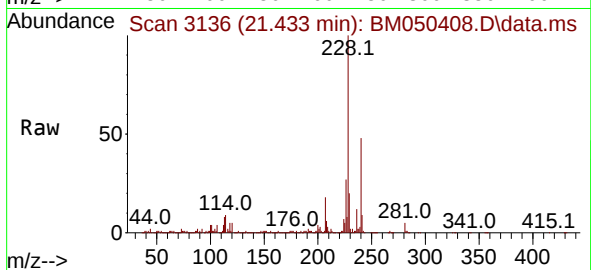
Tgt Ion:228 Resp: 998658

Ion Ratio Lower Upper

228 100

226 26.9 21.8 32.8

229 19.8 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 8.096 ng

RT: 21.350 min Scan# 3122

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

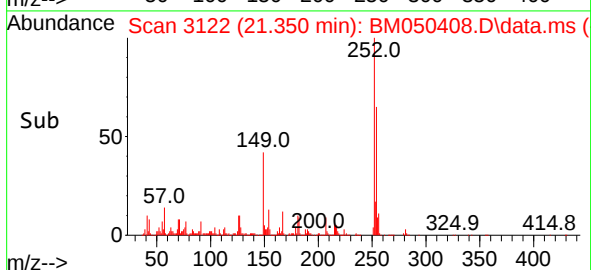
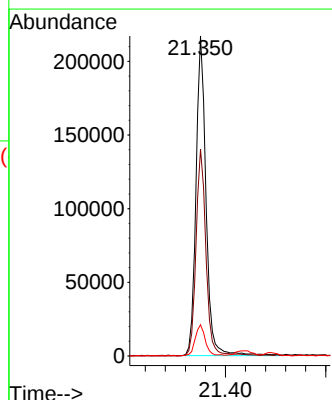
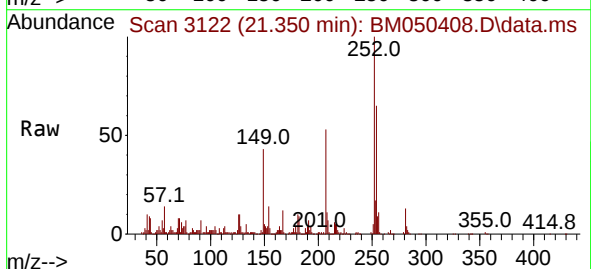
Tgt Ion:252 Resp: 300902

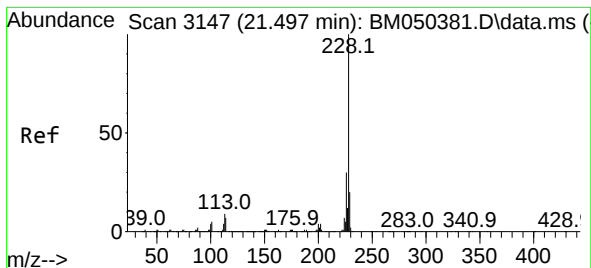
Ion Ratio Lower Upper

252 100

254 64.7 51.7 77.5

126 9.7 7.3 10.9





#83

Chrysene

Concen: 9.294 ng

RT: 21.491 min Scan# 3146

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

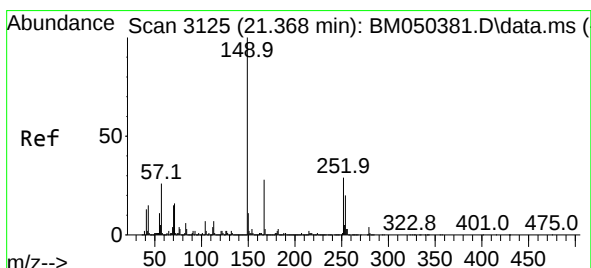
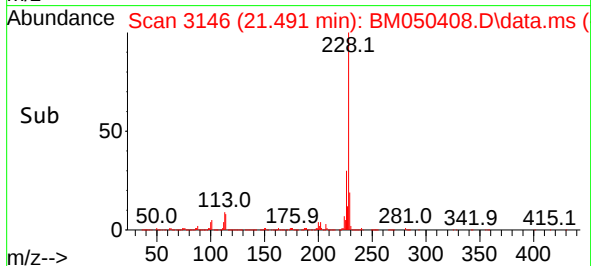
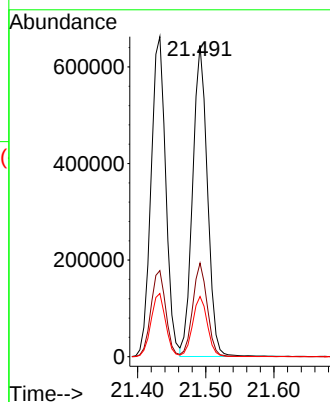
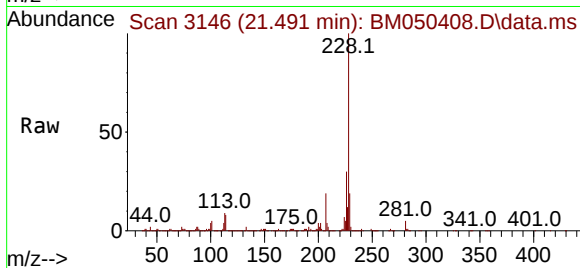
Tgt Ion:228 Resp: 966080

Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.4

229 19.3 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.193 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

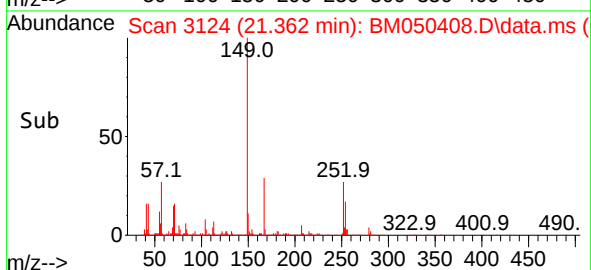
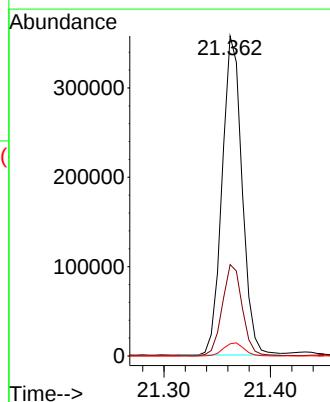
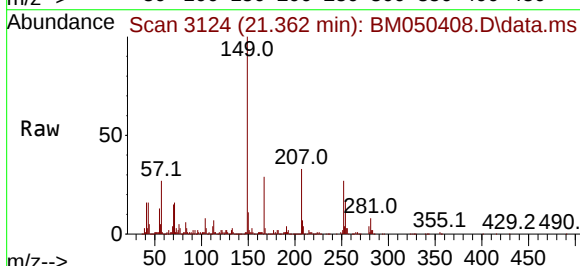
Tgt Ion:149 Resp: 464564

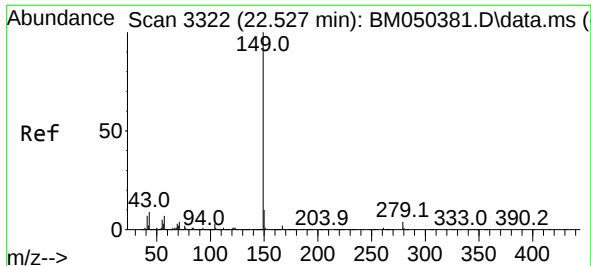
Ion Ratio Lower Upper

149 100

167 28.5 22.7 34.1

279 3.8 3.5 5.3

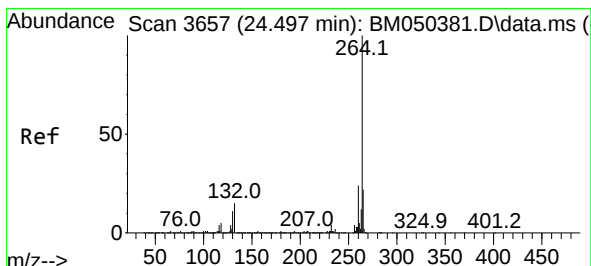
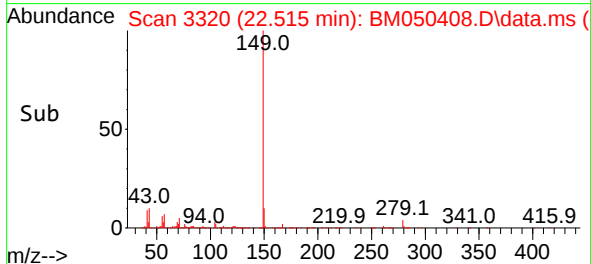
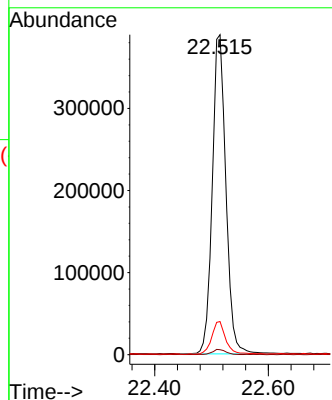
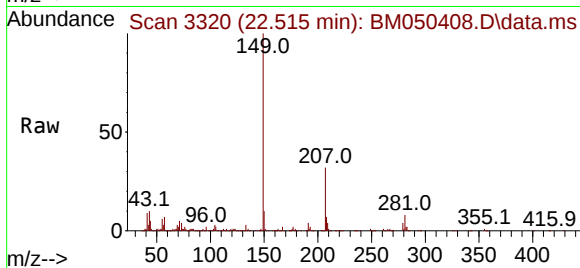




#85
Di-n-octyl phthalate
Concen: 7.254 ng
RT: 22.515 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

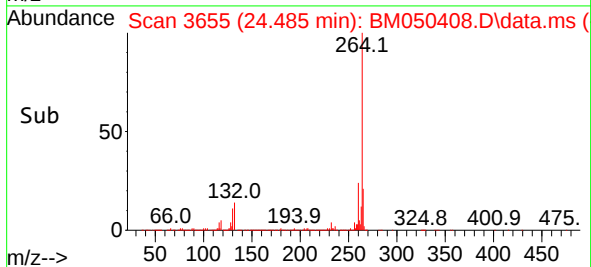
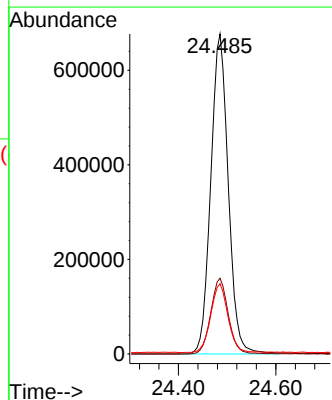
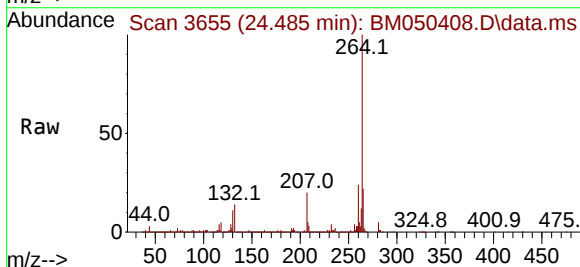
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

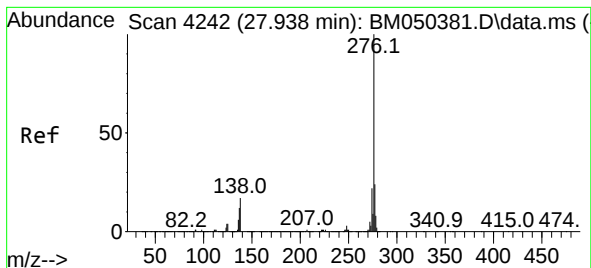
Tgt Ion:149 Resp: 644206
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 10.3 7.7 11.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.485 min Scan# 3655
Delta R.T. -0.012 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:264 Resp: 1683388
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 22.0 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.719 ng

RT: 27.915 min Scan# 41

Delta R.T. -0.024 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

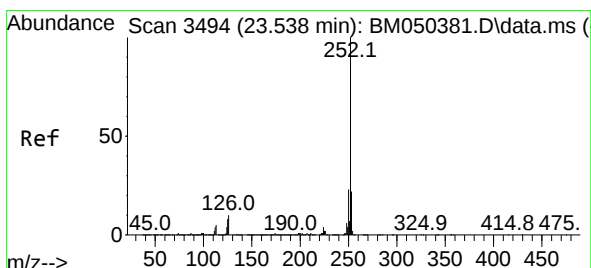
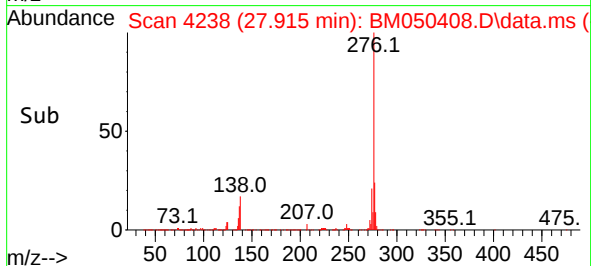
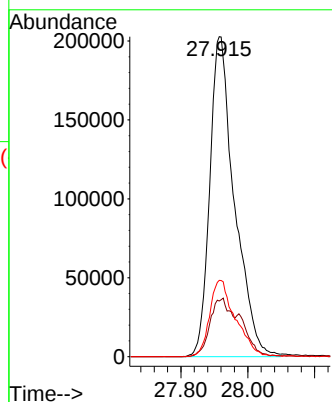
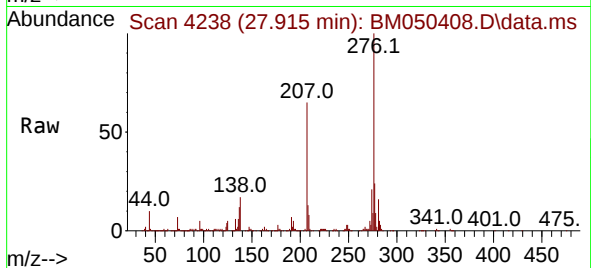
Tgt Ion:276 Resp: 1043559

Ion Ratio Lower Upper

276 100

138 15.8 17.0 25.6#

277 25.0 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 8.845 ng

RT: 23.521 min Scan# 3491

Delta R.T. -0.018 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

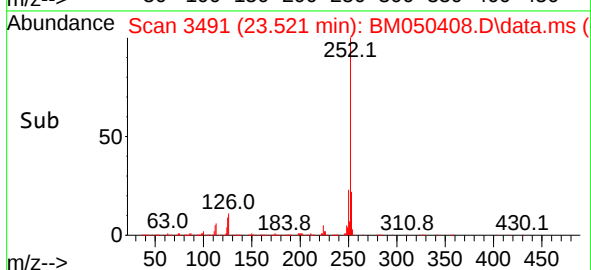
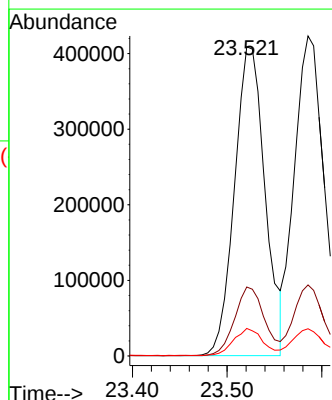
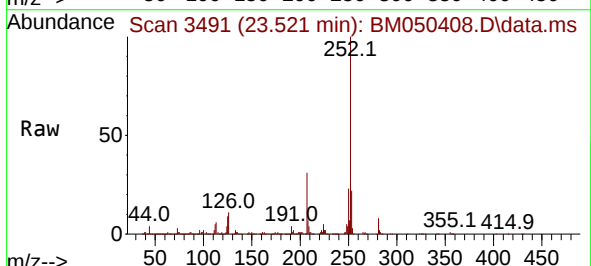
Tgt Ion:252 Resp: 915863

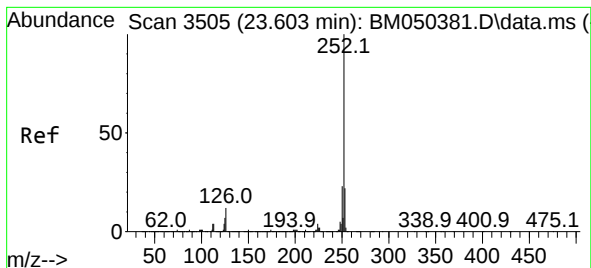
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 8.9 6.3 9.5





#89

Benzo(k)fluoranthene

Concen: 8.695 ng

RT: 23.585 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT2-2025

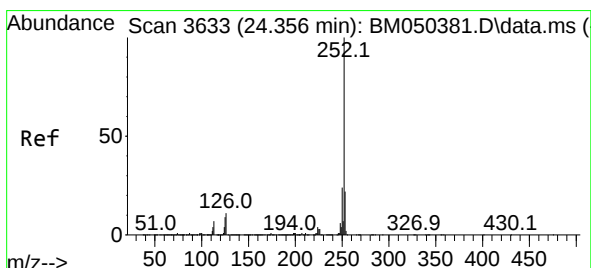
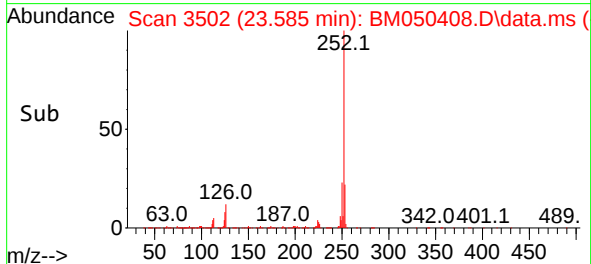
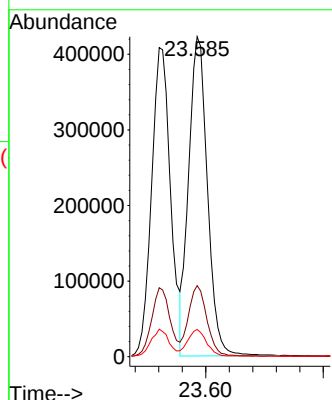
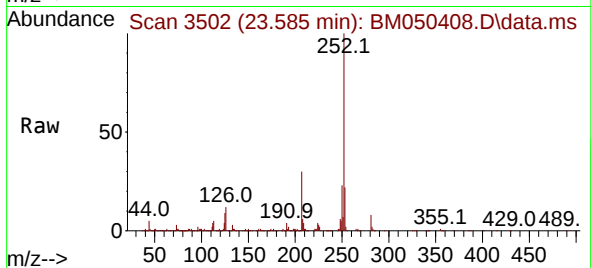
Tgt Ion:252 Resp: 934240

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 8.5 6.2 9.2



#90

Benzo(a)pyrene

Concen: 8.503 ng

RT: 24.338 min Scan# 3630

Delta R.T. -0.018 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

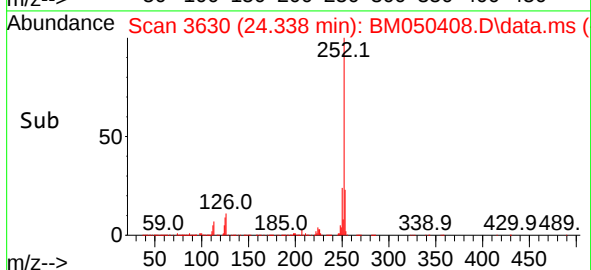
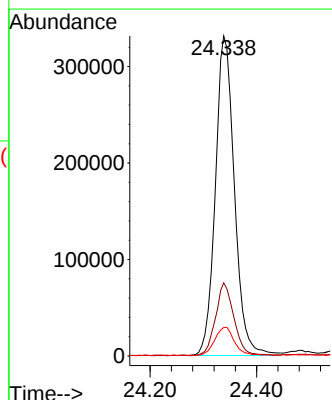
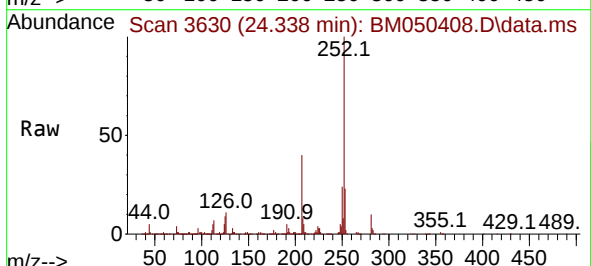
Tgt Ion:252 Resp: 824190

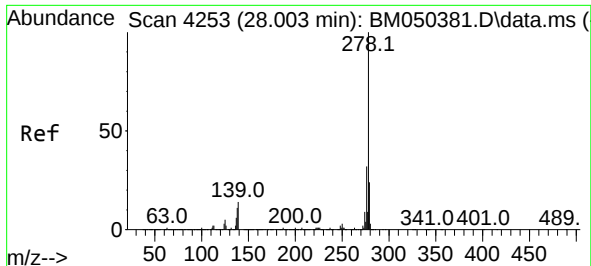
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 8.9 7.0 10.4

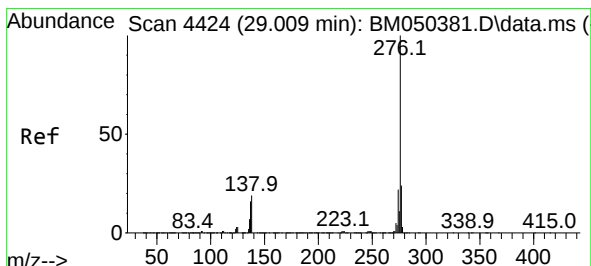
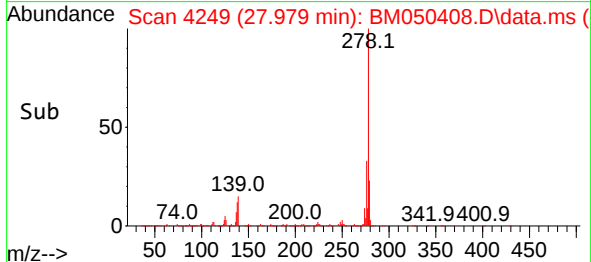
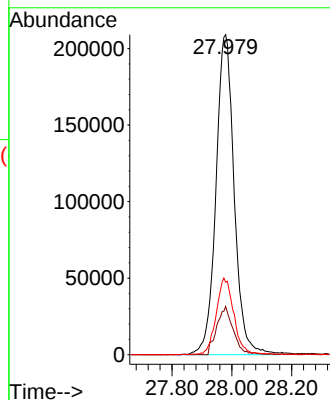
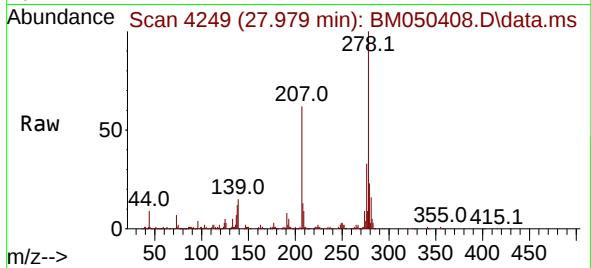




#91
Dibenzo(a,h)anthracene
Concen: 8.784 ng
RT: 27.979 min Scan# 4119
Delta R.T. -0.024 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

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

Tgt Ion:278 Resp: 885453
Ion Ratio Lower Upper
278 100
139 15.1 10.8 16.2
279 22.6 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 8.924 ng
RT: 28.979 min Scan# 4419
Delta R.T. -0.029 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

Tgt Ion:276 Resp: 850101
Ion Ratio Lower Upper
276 100
277 24.1 19.1 28.7
138 17.9 14.9 22.3

