

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)

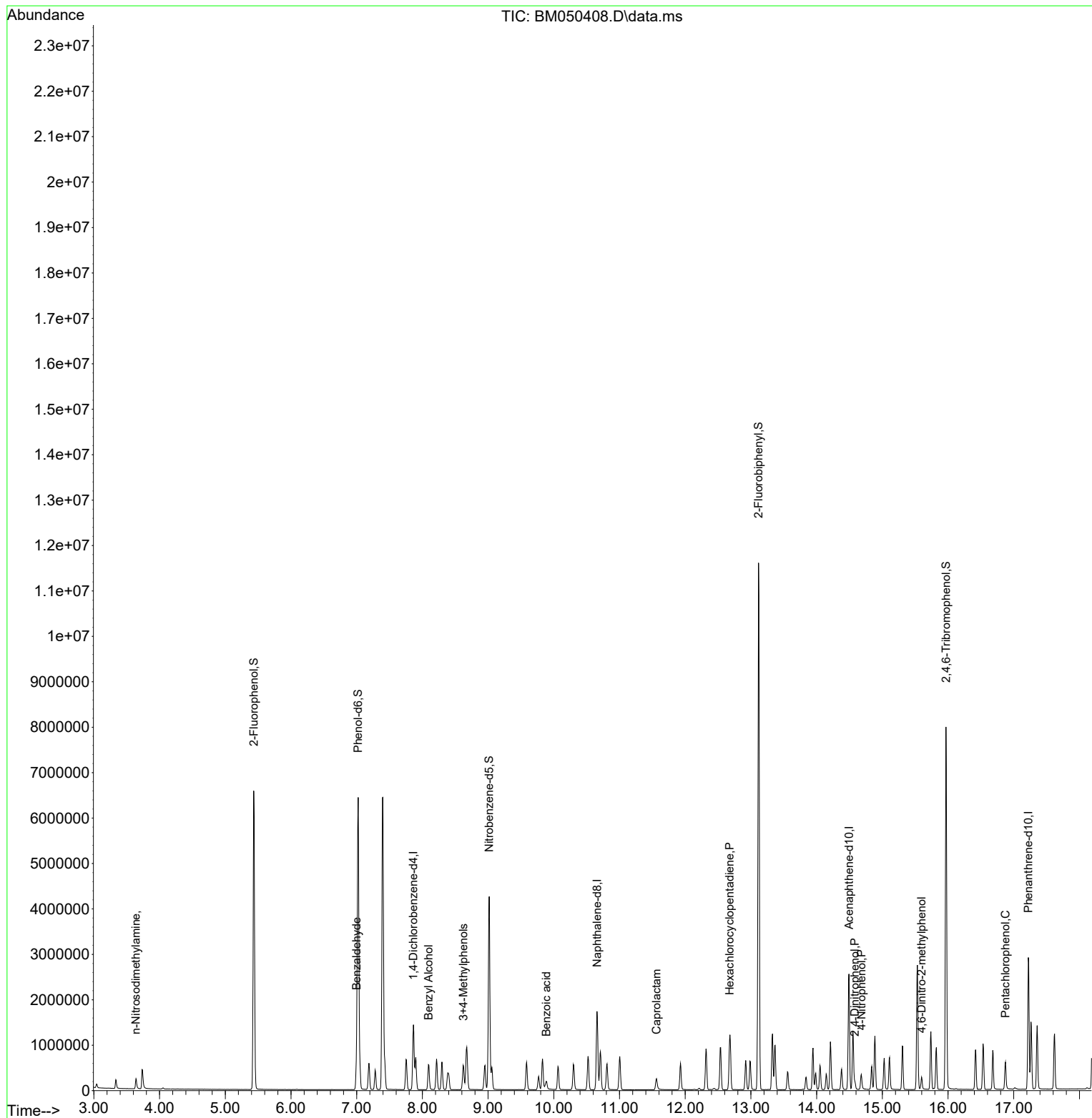
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	393376	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1451725	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	908326	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1700343	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1691403	20.000	ng	-0.01
86) 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
4) n-Nitrosodimethylamine	3.640	42	107823	9.375	ng	# 93
9) Benzaldehyde	6.998	77	197866	11.546	ng	98
15) Benzyl Alcohol	8.092	79	175971	8.669	ng	98
20) 3+4-Methylphenols	8.622	107	224862	8.595	ng	98
32) Benzoic acid	9.886	122	72682	10.682	ng	97
35) Caprolactam	11.563	113	46586	7.543	ng	96
41) Hexachlorocyclopentadiene	12.674	237	140039	7.584	ng	98
54) 2,4-Dinitrophenol	14.580	184	31691	10.807	ng	# 81
56) 4-Nitrophenol	14.680	139	81247	7.399	ng	99
65) 4,6-Dinitro-2-methylph...	15.598	198	51663	11.211	ng	96
70) Pentachlorophenol	16.874	266	105248	7.641	ng	98
77) Benzidine	19.450	184	386146	8.951	ng	99
82) 3,3'-Dichlorobenzidine	21.350	252	300902	8.096	ng	100
85) Di-n-octyl phthalate	22.515	149	644206	7.254	ng	98

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

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Sample : Q2126-02
Misc : LOQ-SOIL-10 PPM
ALS Vial : 5 Sample Multiplier: 1

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

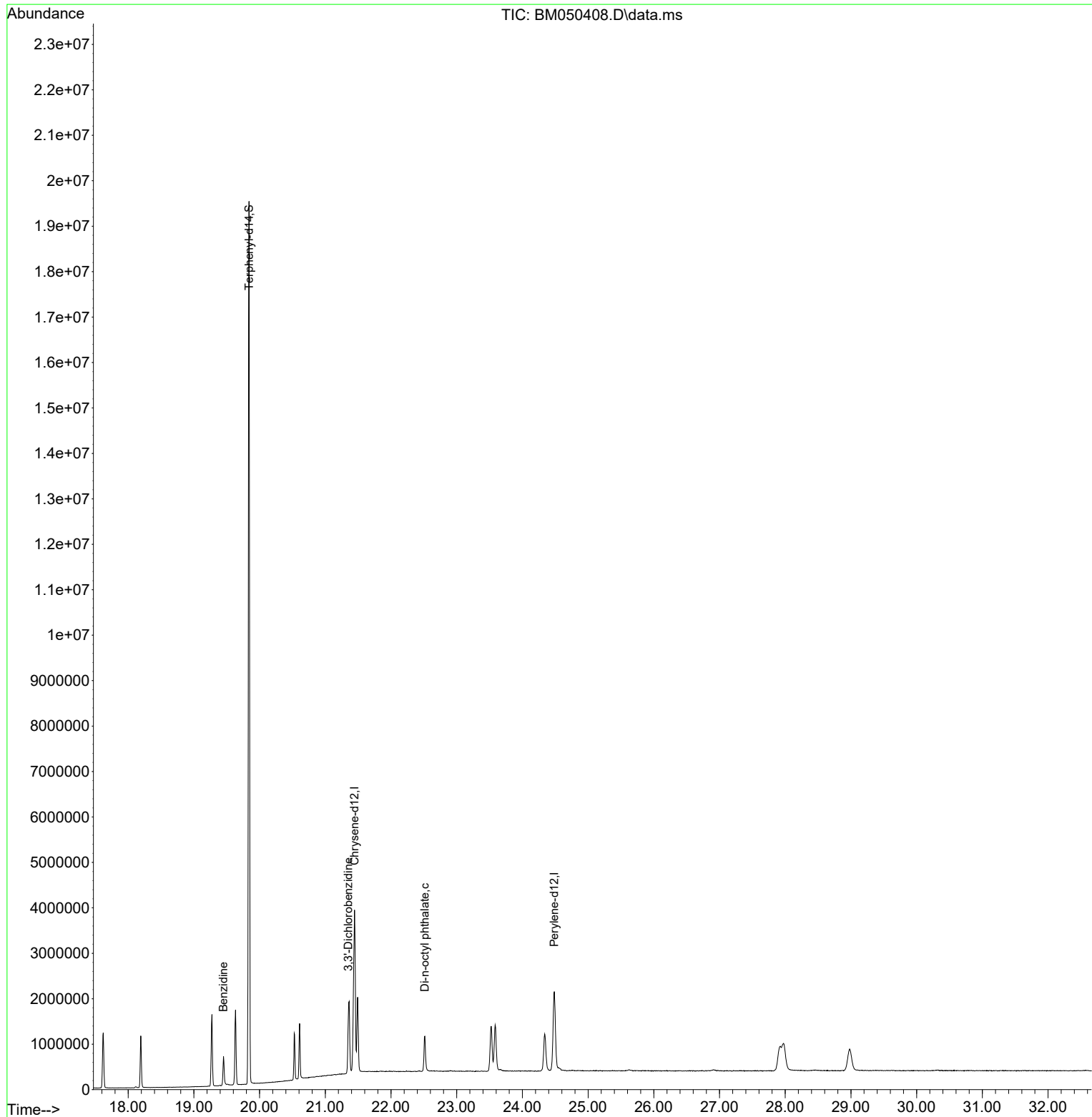
Quant Time: Jul 11 12:31:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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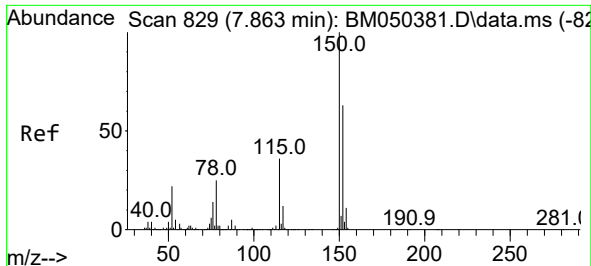


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071125\
Data File : BM050408.D
Acq On : 11 Jul 2025 11:39
Operator : RC/JU
Sample : Q2126-02
Misc : LOQ-SOIL-10 PPM
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Quant Time: Jul 11 12:31:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
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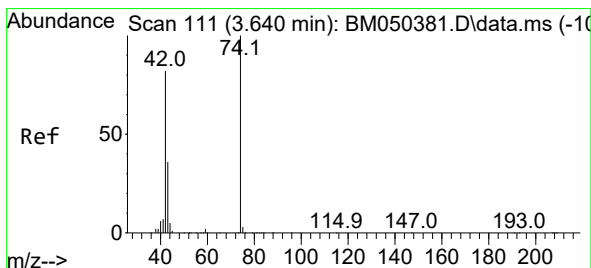
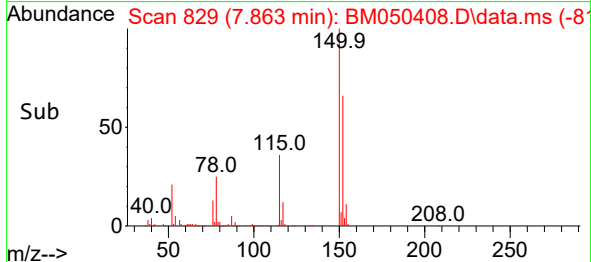
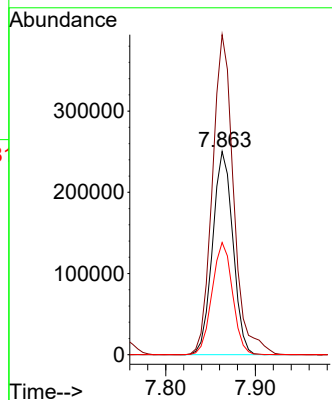
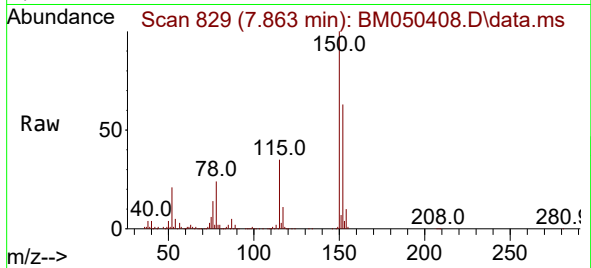




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 829
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

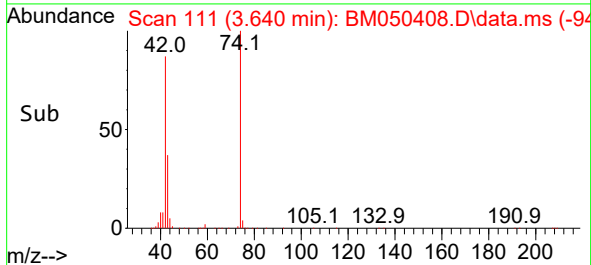
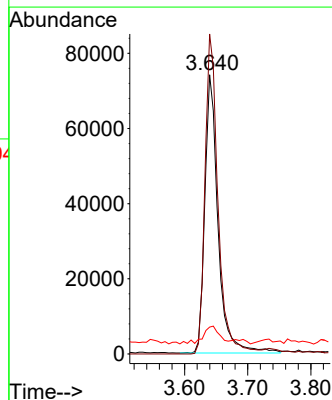
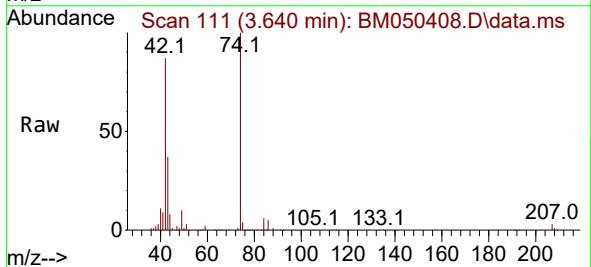
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

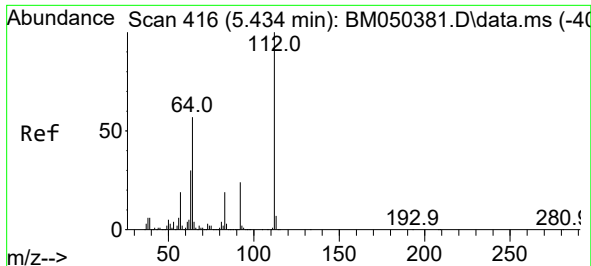
Tgt Ion:152 Resp: 393376
Ion Ratio Lower Upper
152 100
150 157.5 126.2 189.4
115 55.2 45.8 68.8



#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

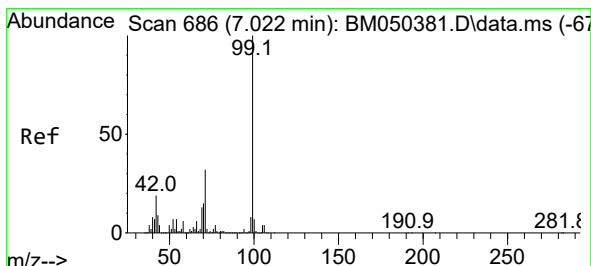
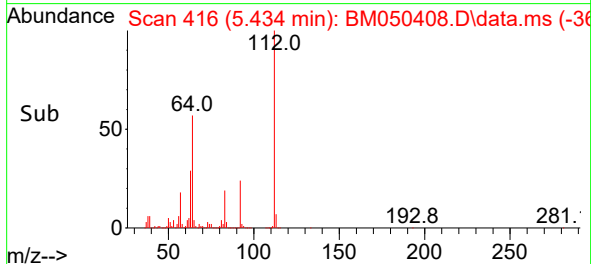
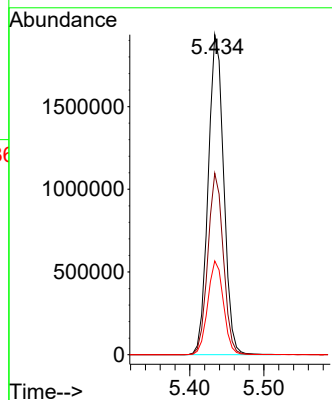
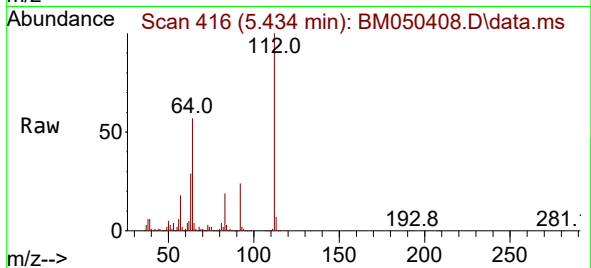




#5
2-Fluorophenol
Concen: 123.267 ng
RT: 5.434 min Scan# 416
Delta R.T. -0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

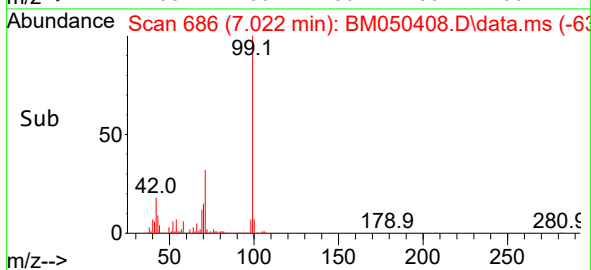
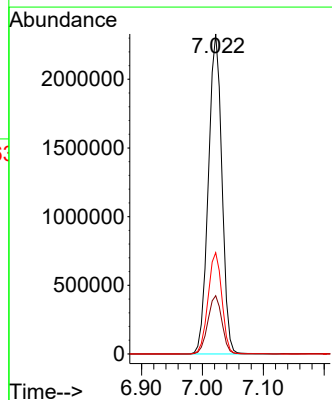
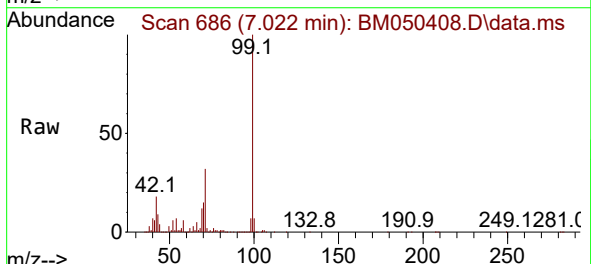
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

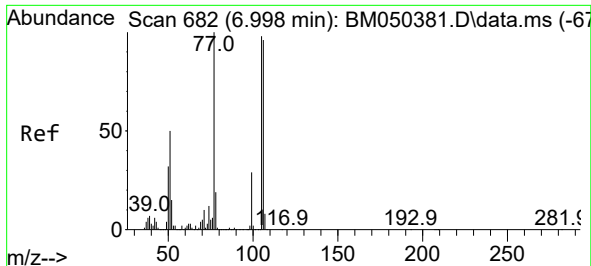
Tgt Ion:112 Resp: 2817040
Ion Ratio Lower Upper
112 100
64 56.7 45.5 68.3
63 29.3 24.2 36.4



#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

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

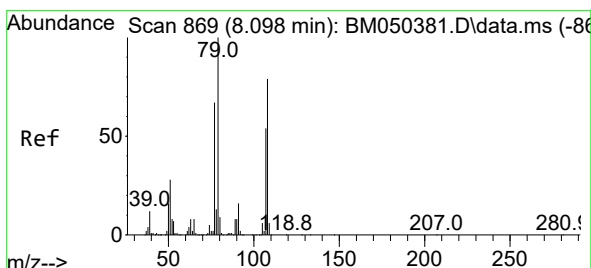
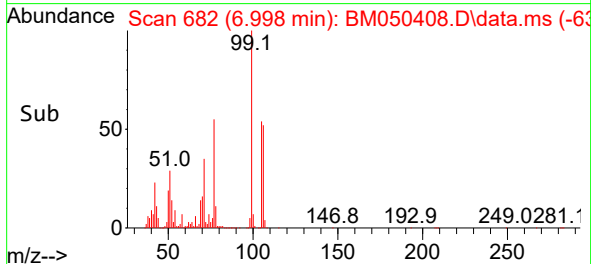
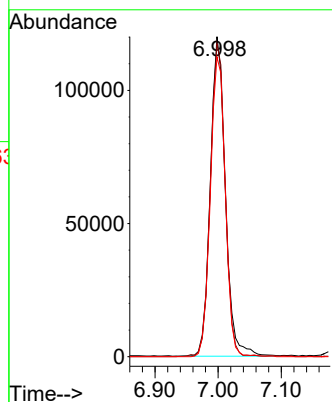
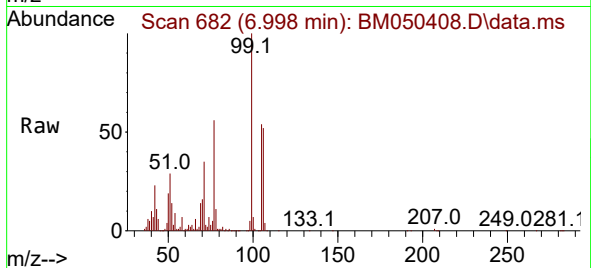




#9
Benzaldehyde
Concen: 11.546 ng
RT: 6.998 min Scan# 682
Delta R.T. 0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

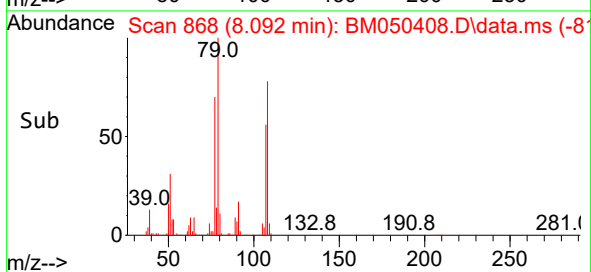
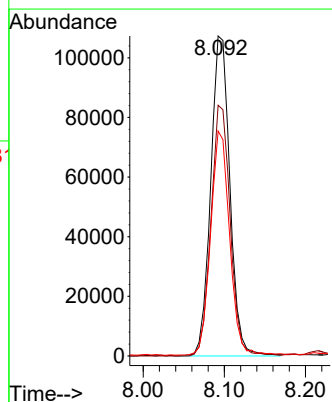
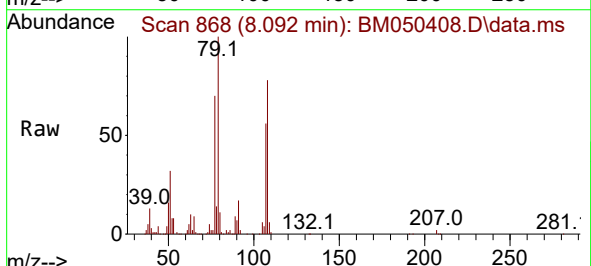
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

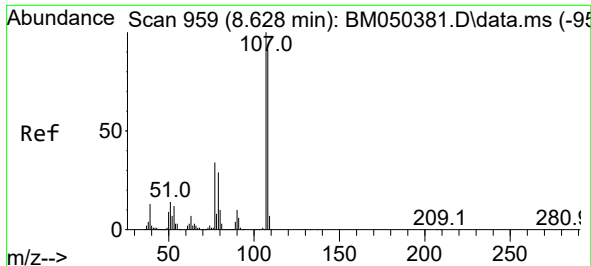
Tgt Ion: 77 Resp: 197866
Ion Ratio Lower Upper
77 100
105 97.7 78.4 118.4
106 93.6 76.3 116.3



#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

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

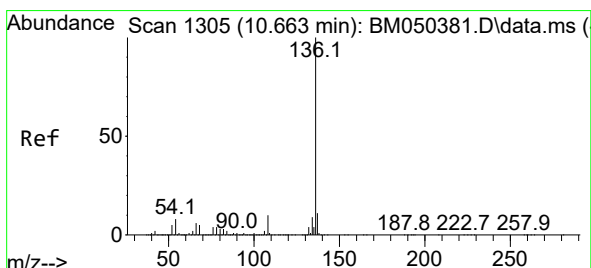
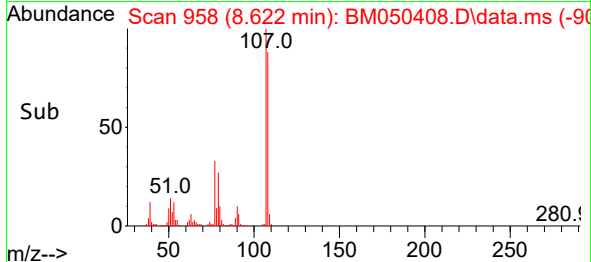
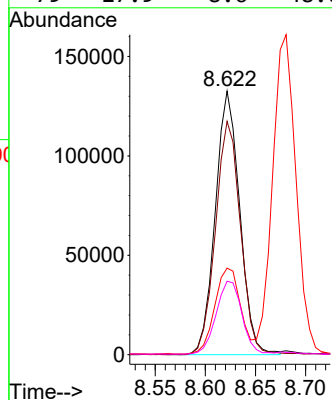
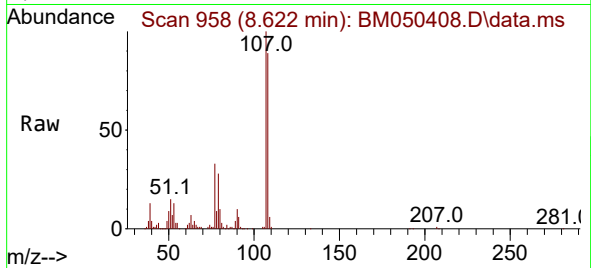




#20
3+4-Methylphenols
Concen: 8.595 ng
RT: 8.622 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

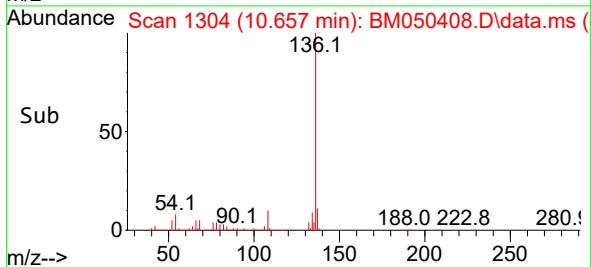
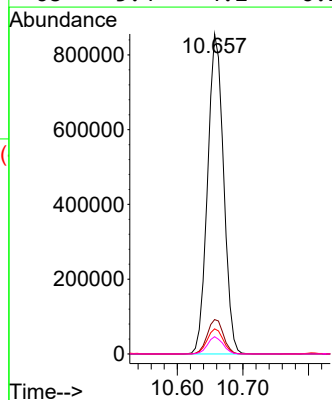
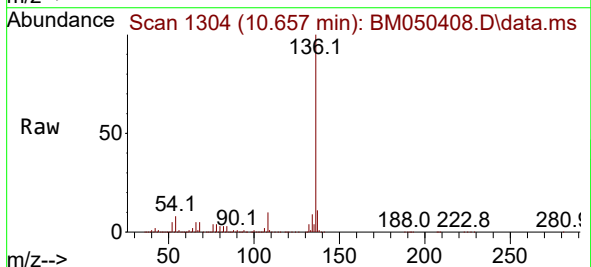
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

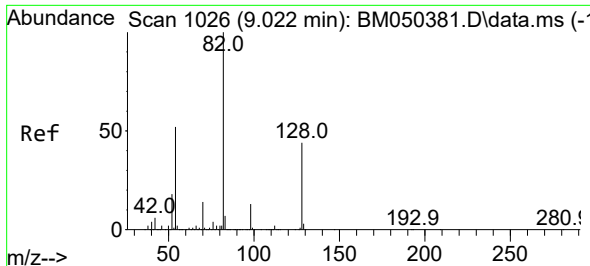
Tgt	Ion:107	Resp:	224862
Ion	Ratio	Lower	Upper
107	100		
108	88.5	71.5	111.5
77	32.9	13.7	53.7
79	27.9	8.6	48.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

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



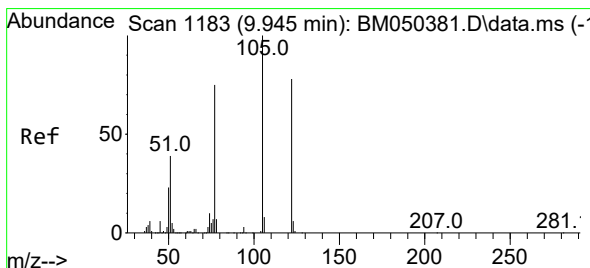
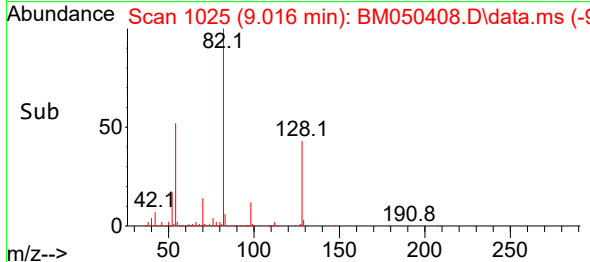
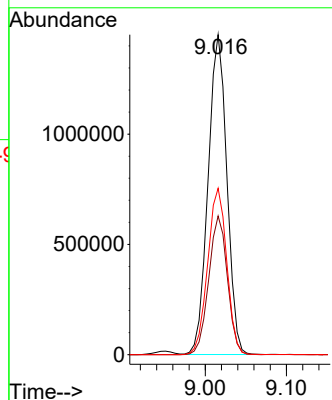
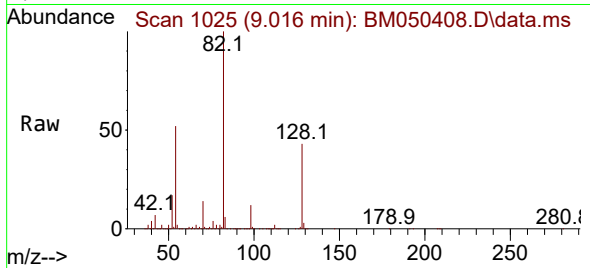


#23
Nitrobenzene-d5
Concen: 81.814 ng
RT: 9.016 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

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

Tgt Ion: 82 Resp: 2328027

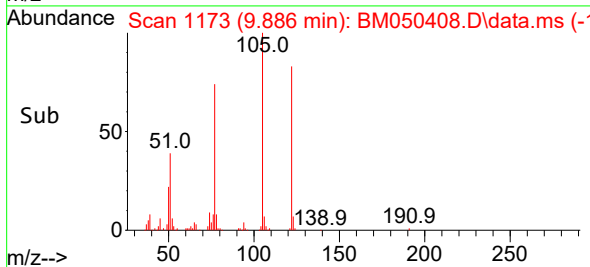
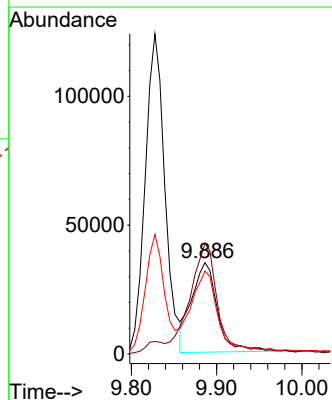
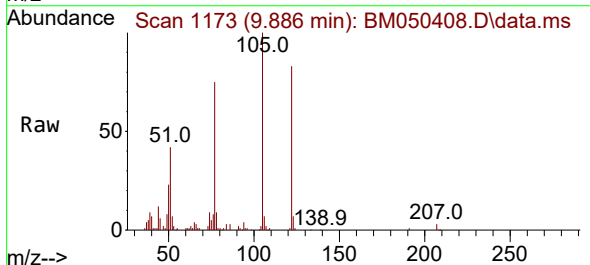
Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.2	52.8
54	52.0	41.5	62.3

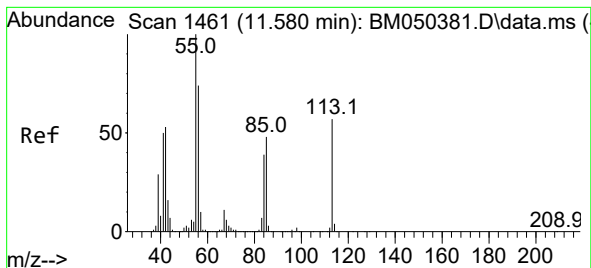


#32
Benzoic acid
Concen: 10.682 ng
RT: 9.886 min Scan# 1173
Delta R.T. -0.059 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

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





#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

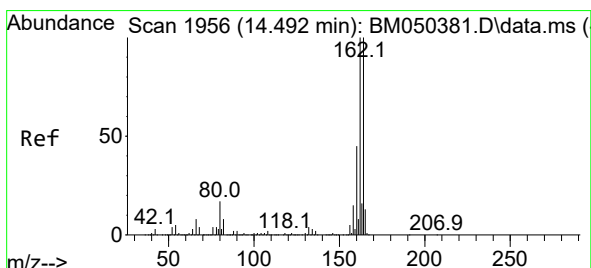
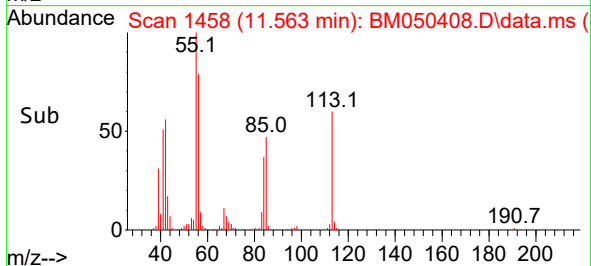
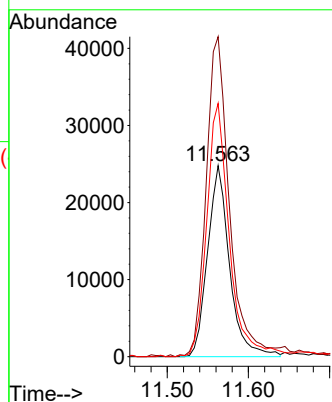
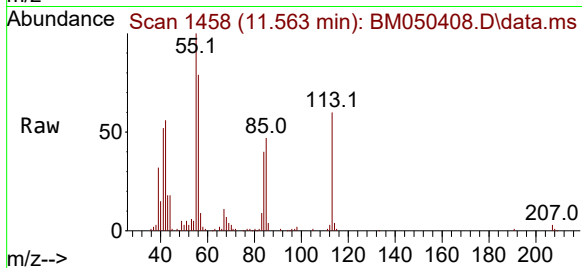
Tgt Ion:113 Resp: 46586

Ion Ratio Lower Upper

113 100

55 167.5 157.2 197.2

56 132.6 111.7 151.7



#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

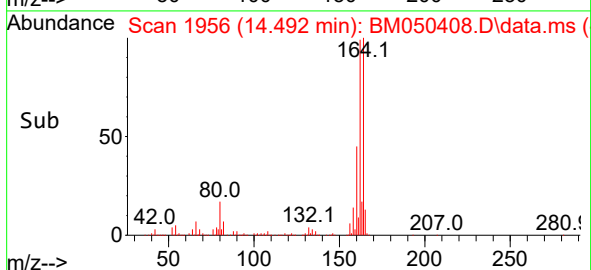
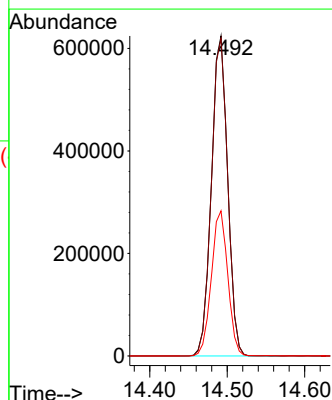
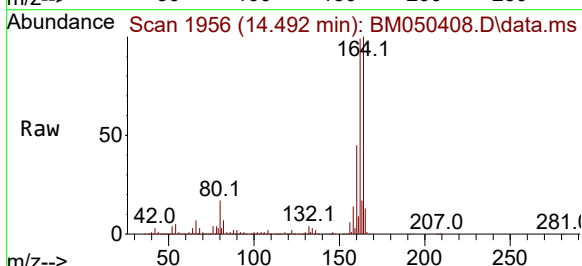
Tgt Ion:164 Resp: 908326

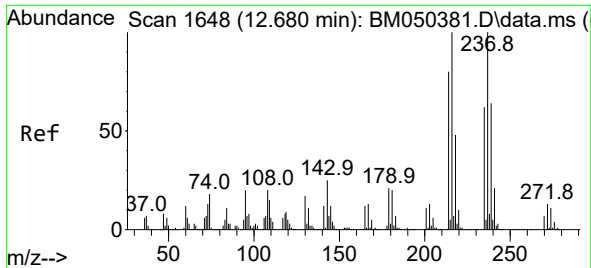
Ion Ratio Lower Upper

164 100

162 99.3 79.9 119.9

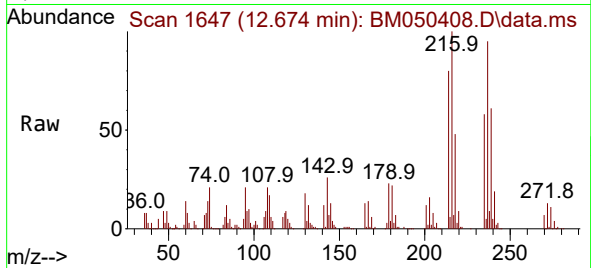
160 45.4 36.2 54.4



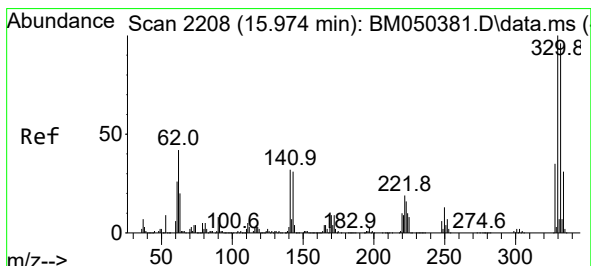
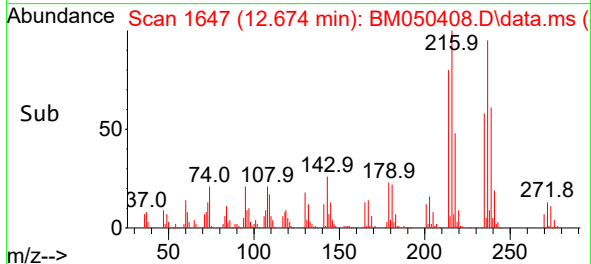
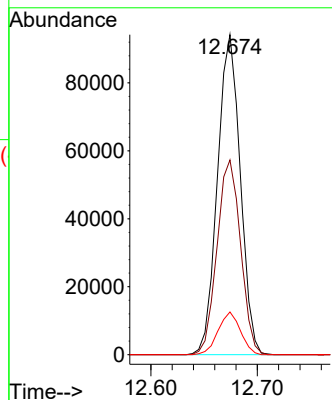


#41
Hexachlorocyclopentadiene
Concen: 7.584 ng
RT: 12.674 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

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

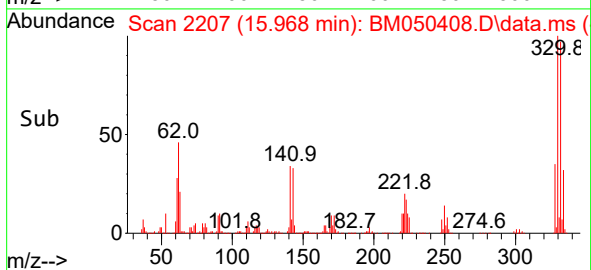
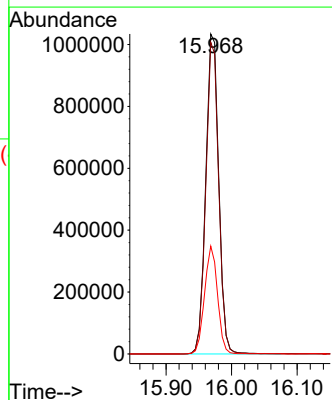
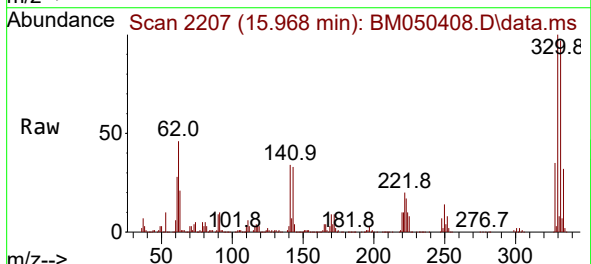


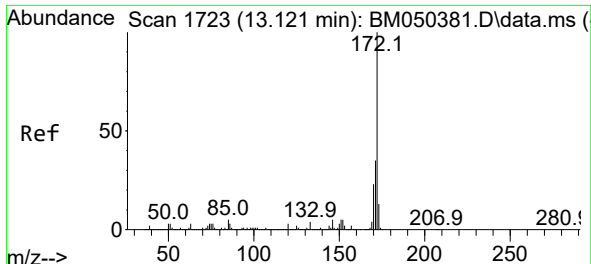
Tgt Ion:237 Resp: 140039
Ion Ratio Lower Upper
237 100
235 60.8 42.3 82.3
272 13.4 0.0 33.0



#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

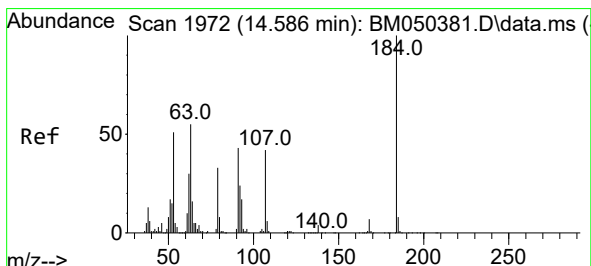
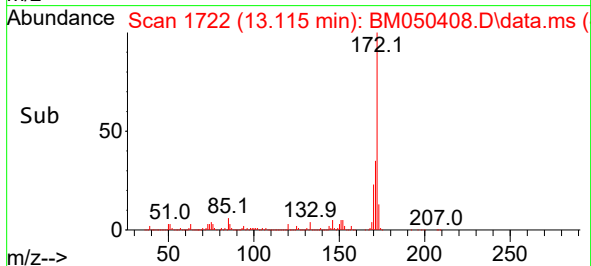
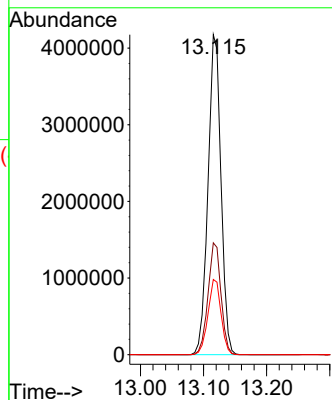
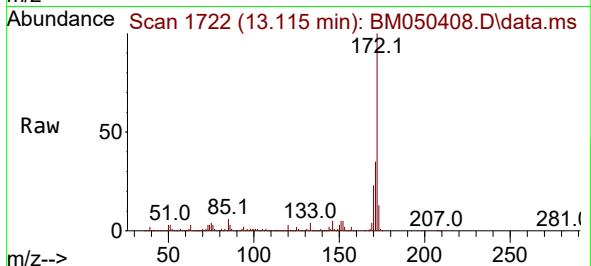




#45
2-Fluorobiphenyl
Concen: 81.007 ng
RT: 13.115 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

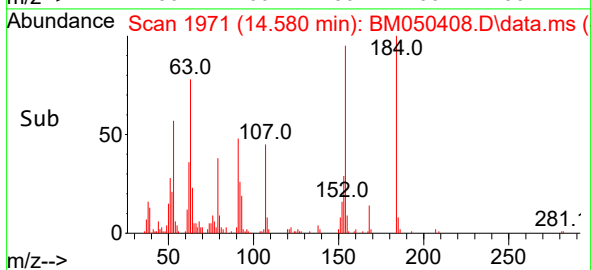
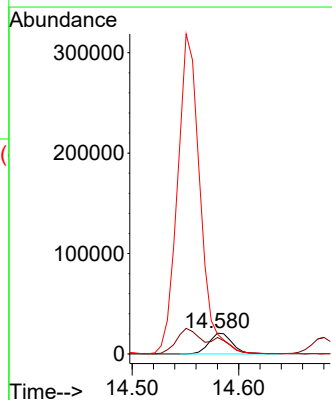
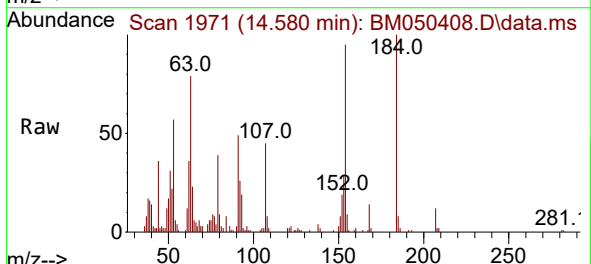
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

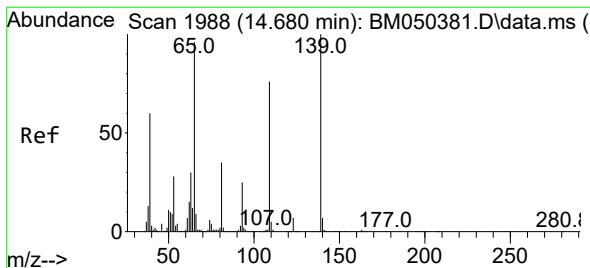
Tgt Ion:172 Resp: 5958262
Ion Ratio Lower Upper
172 100
171 35.0 27.7 41.5
170 23.5 18.8 28.2



#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#

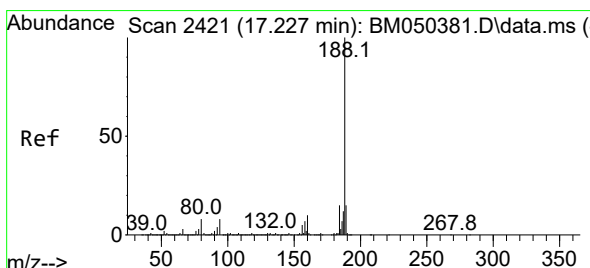
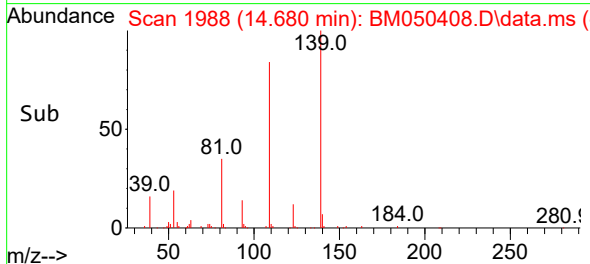
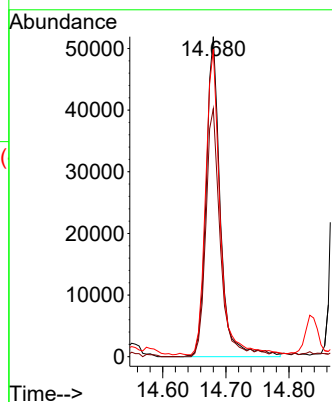
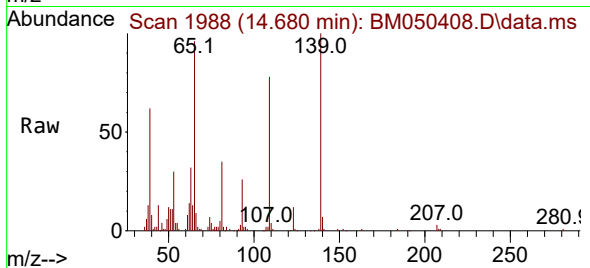




#56
4-Nitrophenol
Concen: 7.399 ng
RT: 14.680 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

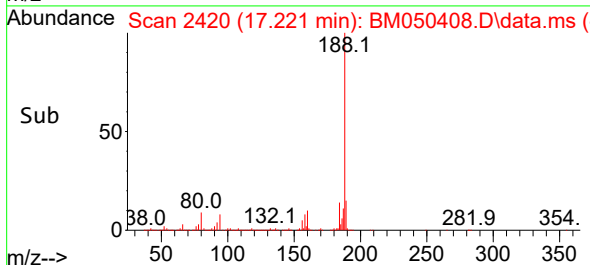
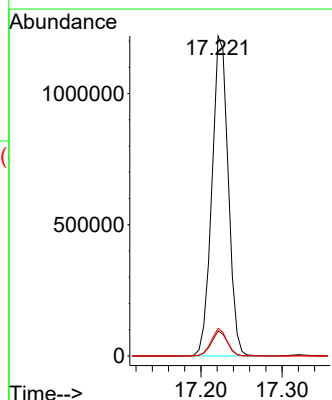
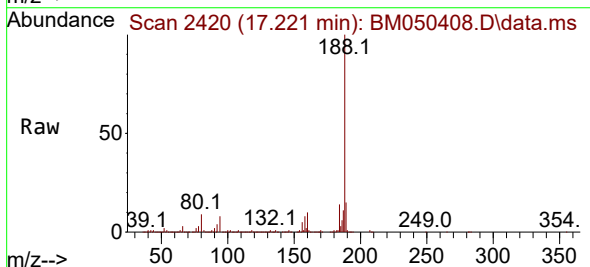
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

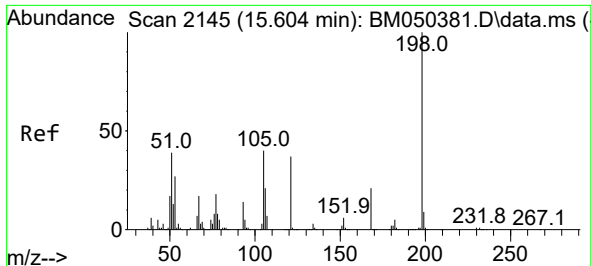
Tgt Ion:139 Resp: 81247
Ion Ratio Lower Upper
139 100
109 77.5 56.5 96.5
65 96.0 76.4 116.4



#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

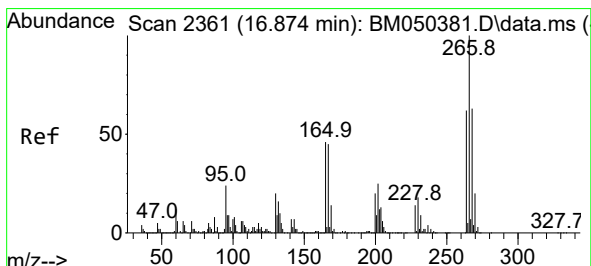
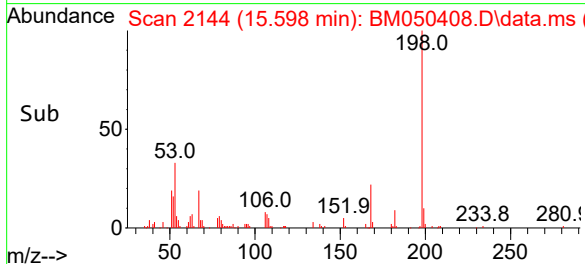
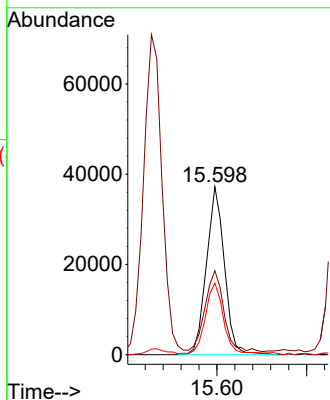
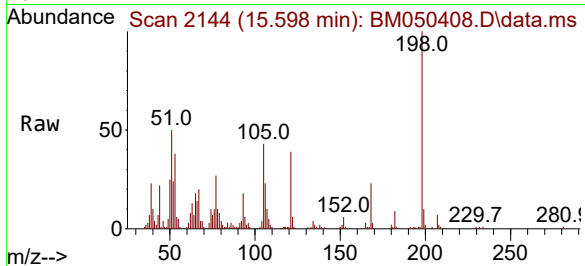




#65
4,6-Dinitro-2-methylphenol
Concen: 11.211 ng
RT: 15.598 min Scan# 2144
Delta R.T. -0.006 min
Lab File: BM050408.D
Acq: 11 Jul 2025 11:39

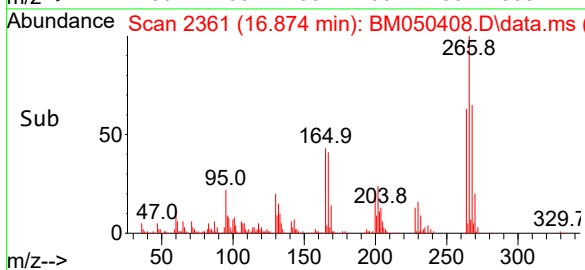
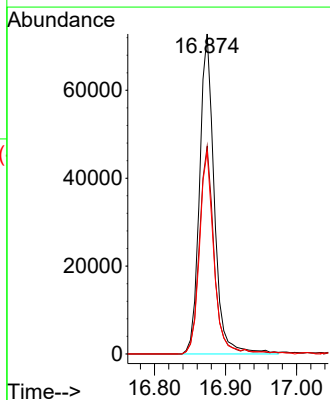
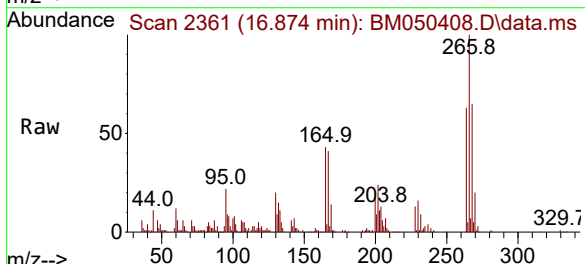
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT2-2025

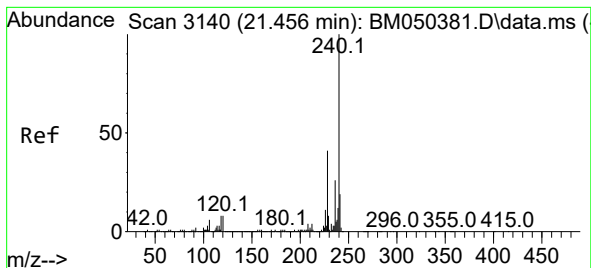
Tgt Ion:198 Resp: 51663
Ion Ratio Lower Upper
198 100
51 50.0 26.6 66.6
105 42.6 20.9 60.9



#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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.444 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

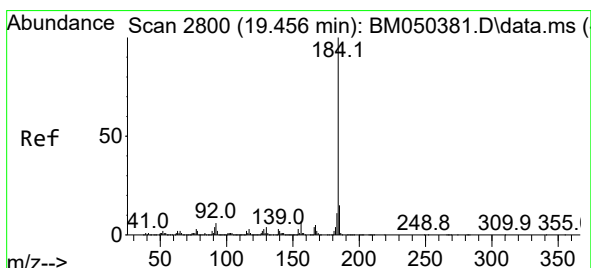
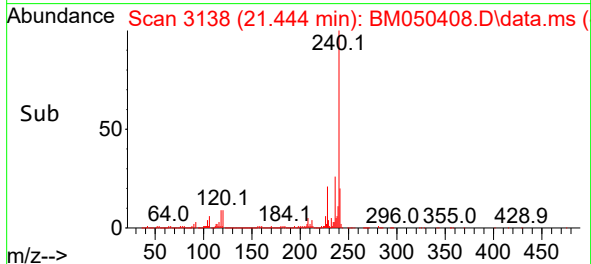
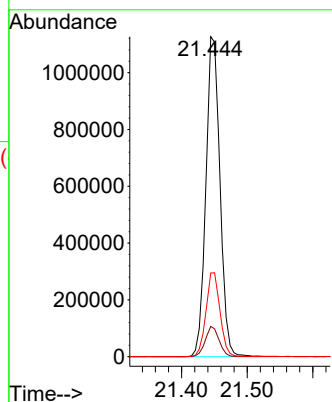
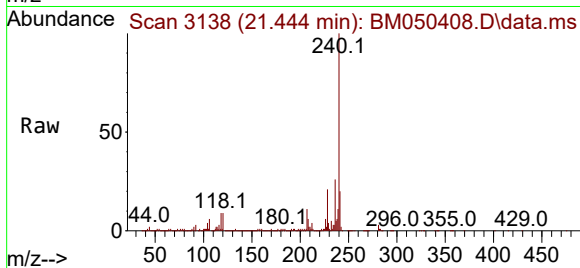
Tgt Ion:240 Resp: 1691403

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# 2799

Delta R.T. -0.006 min

Lab File: BM050408.D

Acq: 11 Jul 2025 11:39

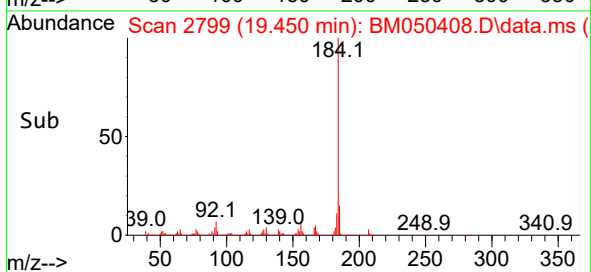
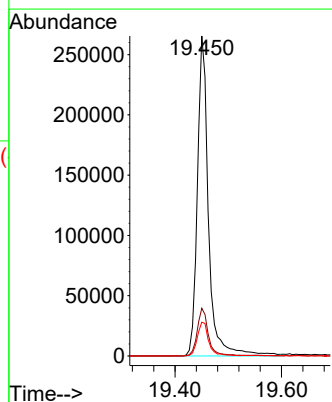
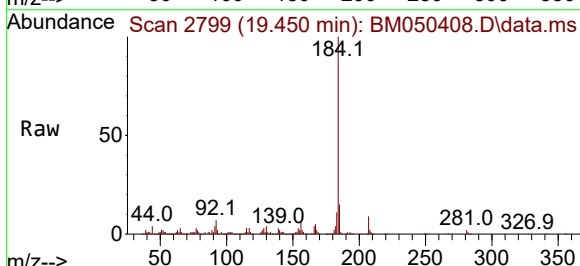
Tgt Ion:184 Resp: 386146

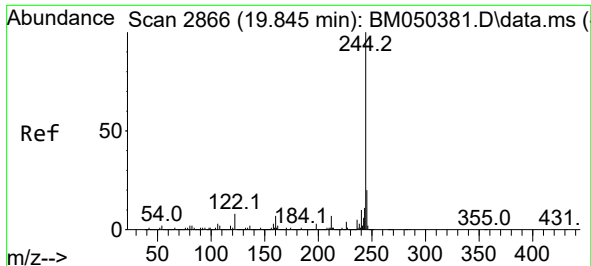
Ion Ratio Lower Upper

184 100

185 14.9 11.7 17.5

183 10.6 9.0 13.6

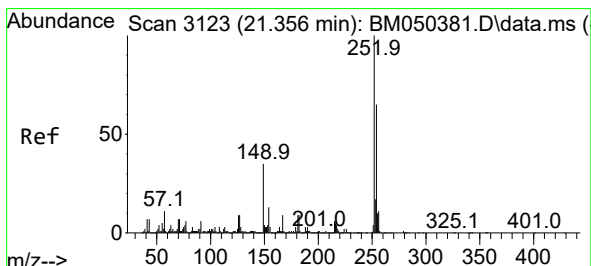
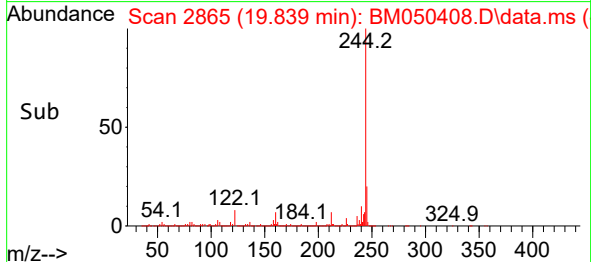
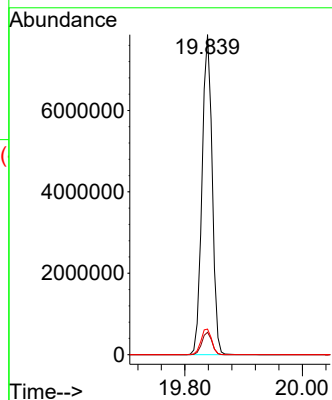
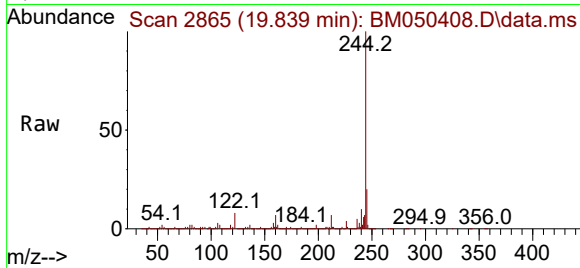




#79
 Terphenyl-d14
 Concen: 97.985 ng
 RT: 19.839 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM050408.D
 Acq: 11 Jul 2025 11:39

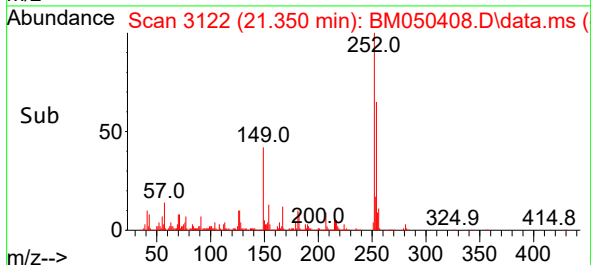
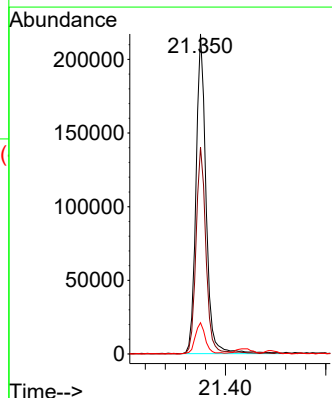
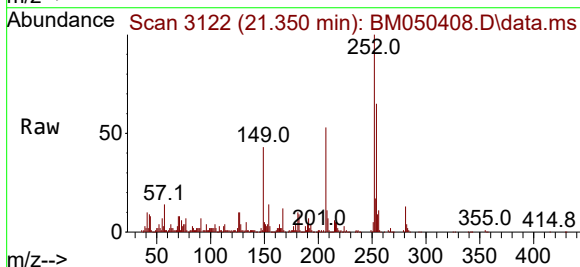
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

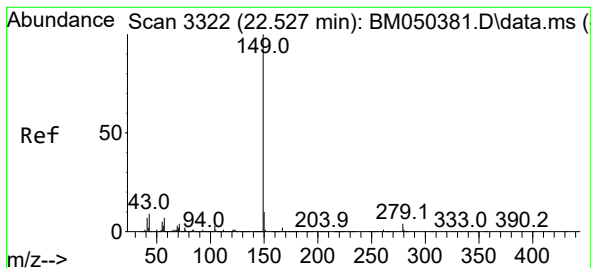
Tgt Ion:244 Resp: 9419541
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 8.0 6.2 9.2



#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





#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

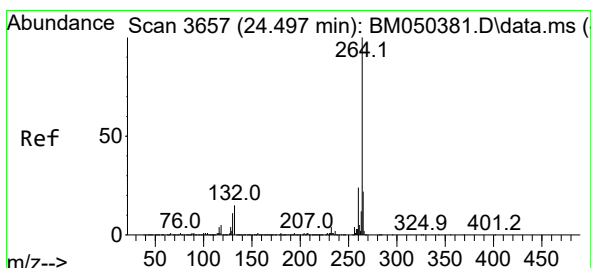
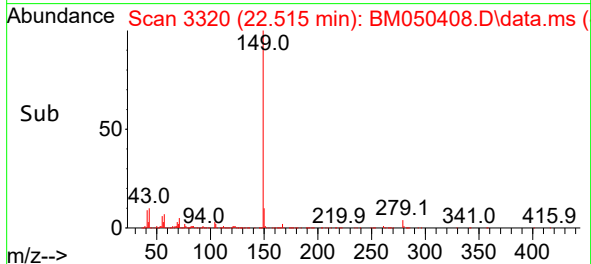
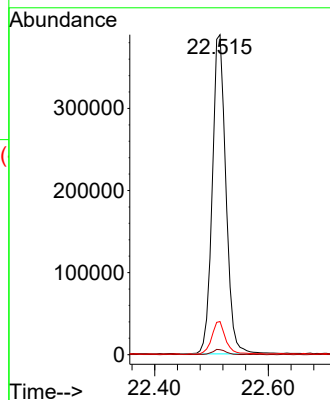
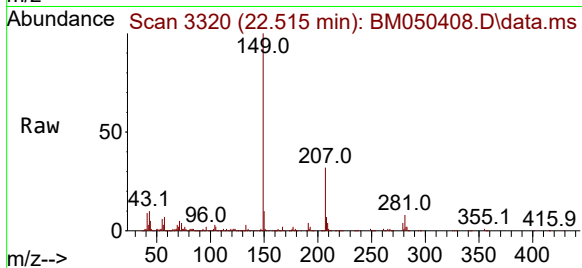
Tgt Ion:149 Resp: 644206

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

