

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050444.D
 Acq On : 15 Jul 2025 02:52
 Operator : RC/JU
 Sample : Q2559-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 500-3B CONCRETE CHIP

Quant Time: Jul 15 04:35:02 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)

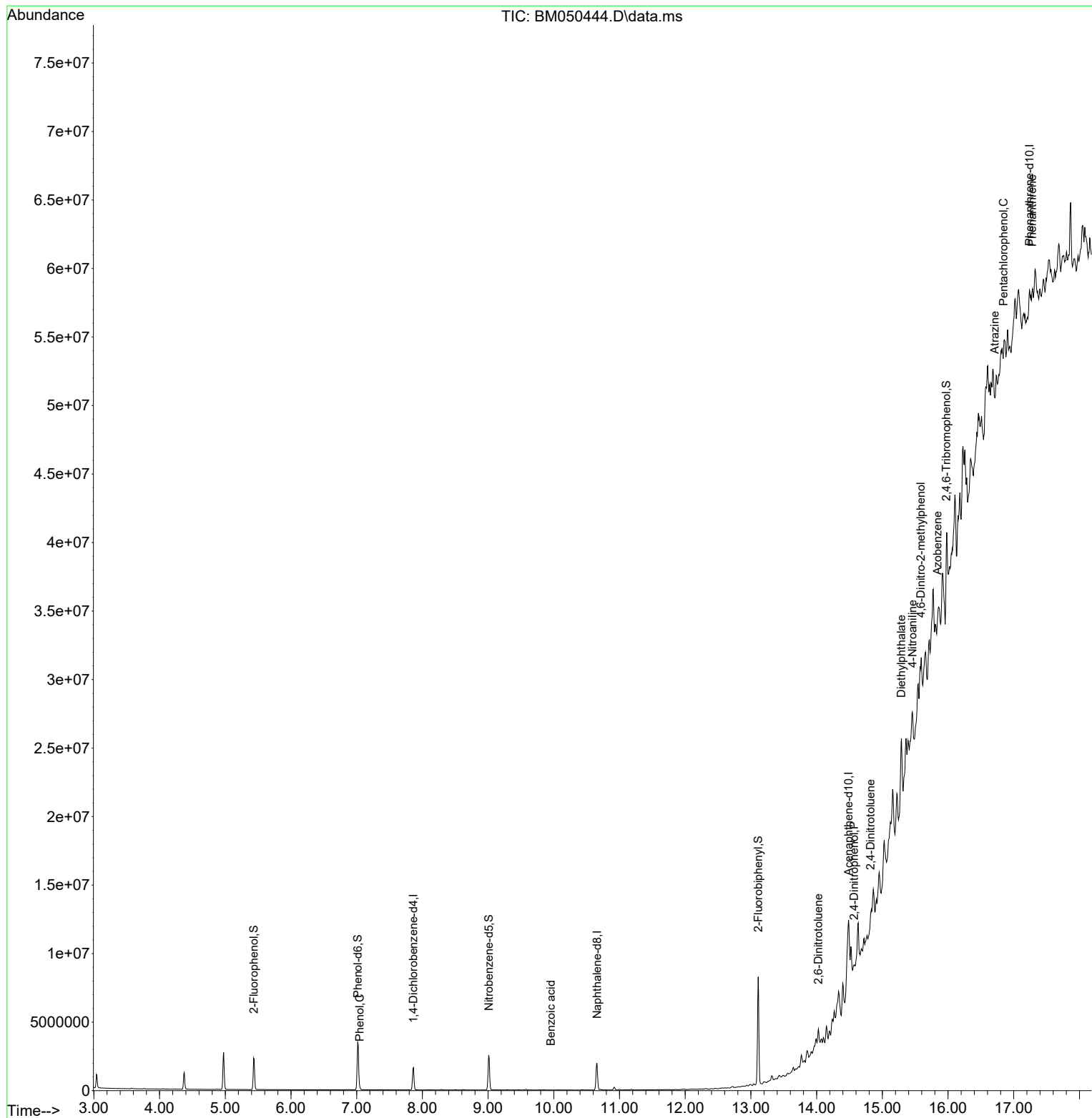
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	460190	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1693020	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	1211938	20.000	ng	0.00
64) Phenanthrene-d10	17.239	188	2379030	20.000	ng	# 0.01
76) Chrysene-d12	21.450	240	2508514	20.000	ng	0.00
86) Perylene-d12	24.468	264	2528180	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	990475	37.048	ng	0.00
7) Phenol-d6	7.016	99	1933791	57.379	ng	0.00
23) Nitrobenzene-d5	9.010	82	1403364	42.289	ng	-0.01
42) 2,4,6-Tribromophenol	15.974	330	510988	34.702	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	4016678	40.929	ng	-0.01
79) Terphenyl-d14	19.850	244	6445216	45.206	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	7.045	94	93939	2.672	ng	95
32) Benzoic acid	9.957	122	293	5.991	ng	# 57
51) 2,6-Dinitrotoluene	14.027	165	109846	6.857	ng	# 32
54) 2,4-Dinitrophenol	14.568	184	1041	6.515	ng	# 1
57) 2,4-Dinitrotoluene	14.821	165	78881	5.827	ng	# 39
60) Diethylphthalate	15.286	149	351455	4.410	ng	# 42
62) 4-Nitroaniline	15.457	138	54198	5.205	ng	80
63) Azobenzene	15.839	77	244520	3.341	ng	# 8
65) 4,6-Dinitro-2-methylph...	15.586	198	15747	7.372	ng	# 1
69) Atrazine	16.709	200	166593	6.815	ng	# 1
70) Pentachlorophenol	16.845	266	40745	2.114	ng	# 1
71) Phenanthrene	17.280	178	380029	2.823	ng	# 1

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

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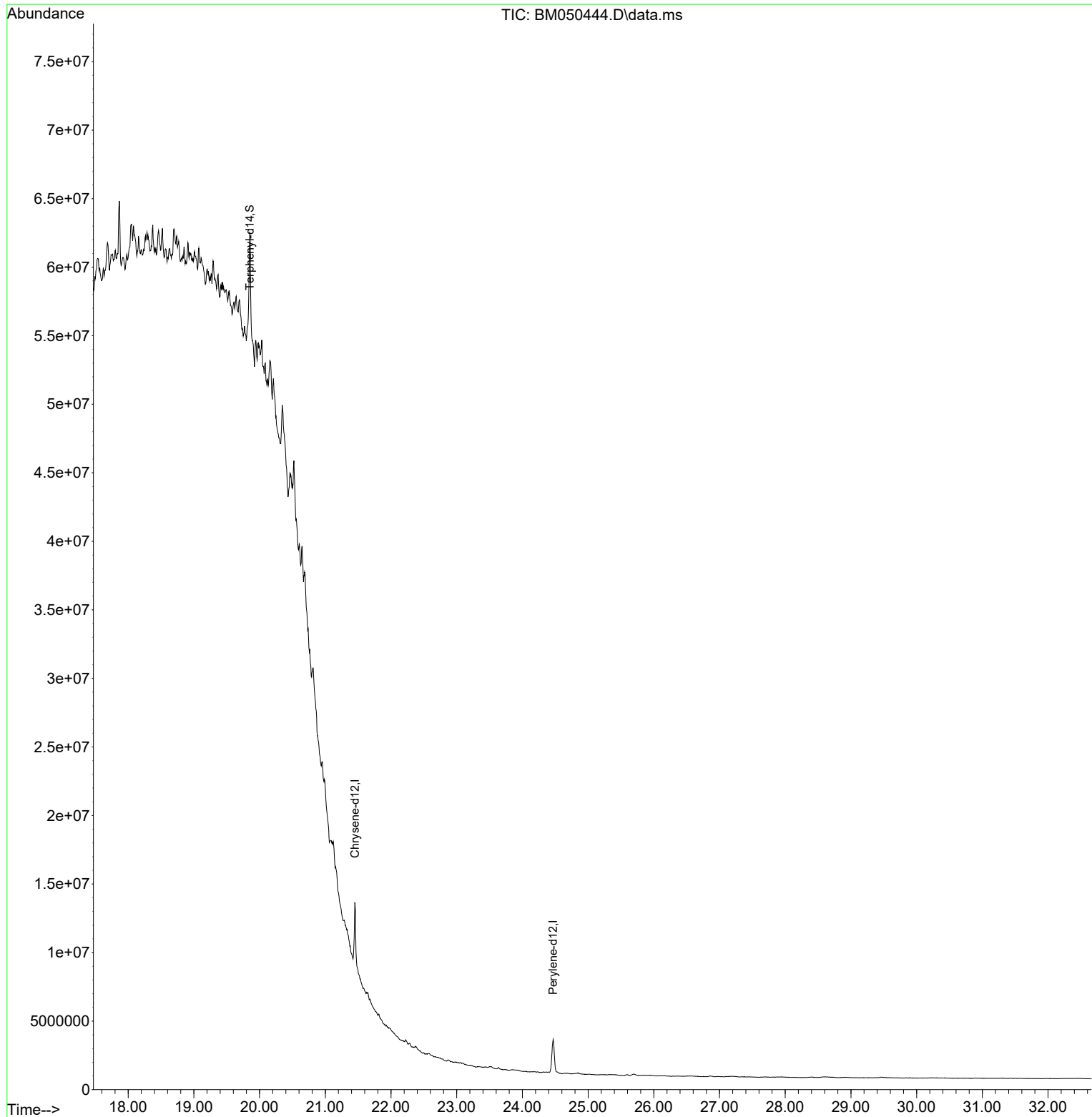
Quant Time: Jul 15 04:35:02 2025
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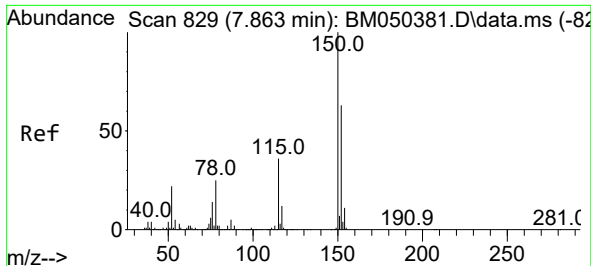


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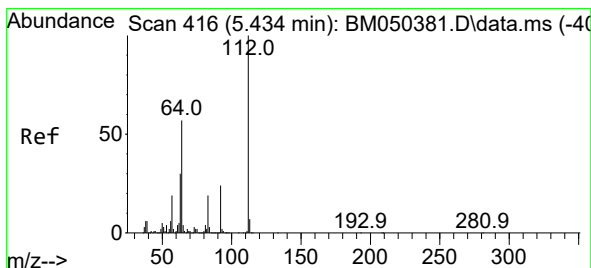
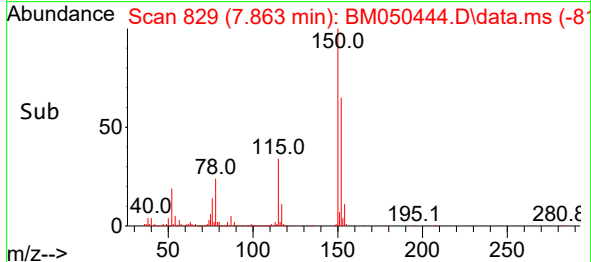
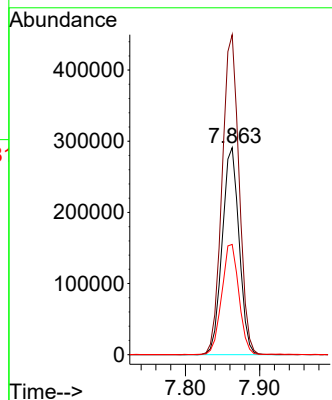
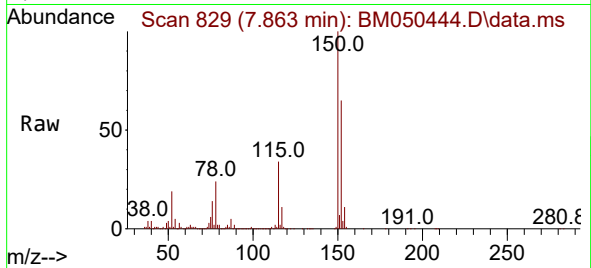




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 829
Delta R.T. -0.000 min
Lab File: BM050444.D
Acq: 15 Jul 2025 02:52

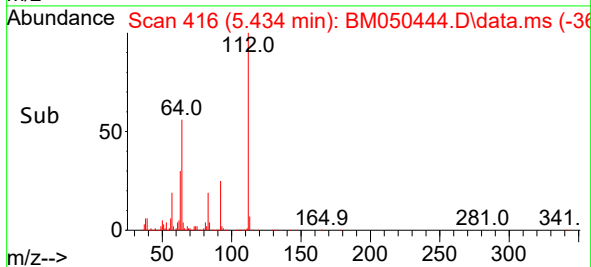
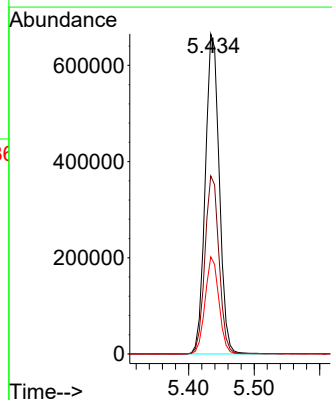
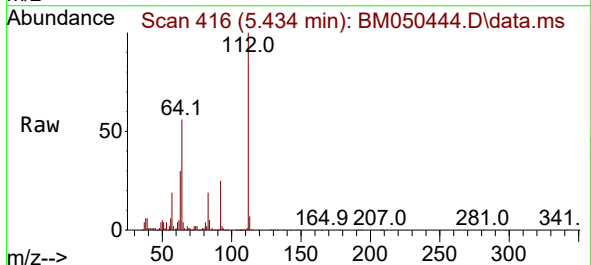
Instrument :
BNA_M
ClientSampleId :
500-3B CONCRETE CHIP

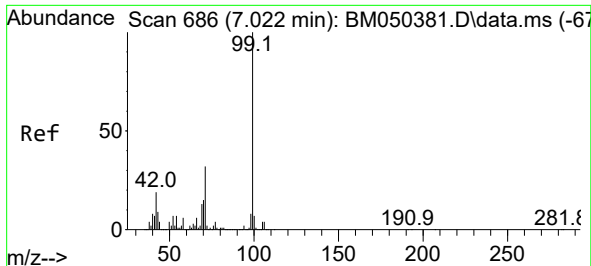
Tgt Ion:152 Resp: 460190
Ion Ratio Lower Upper
152 100
150 154.6 126.2 189.4
115 53.3 45.8 68.8



#5
2-Fluorophenol
Concen: 37.048 ng
RT: 5.434 min Scan# 416
Delta R.T. 0.000 min
Lab File: BM050444.D
Acq: 15 Jul 2025 02:52

Tgt Ion:112 Resp: 990475
Ion Ratio Lower Upper
112 100
64 55.6 45.5 68.3
63 30.4 24.2 36.4

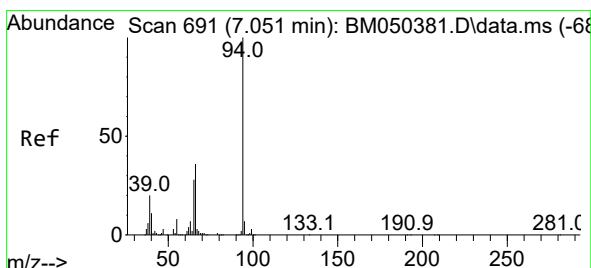
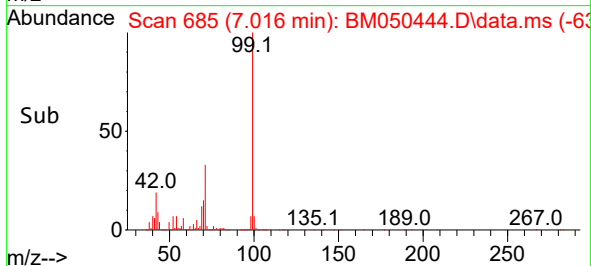
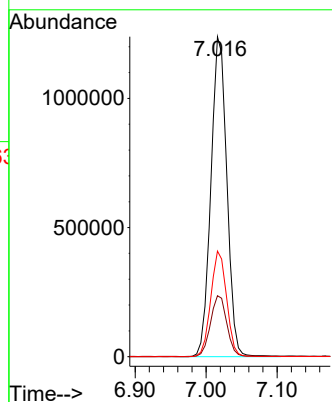
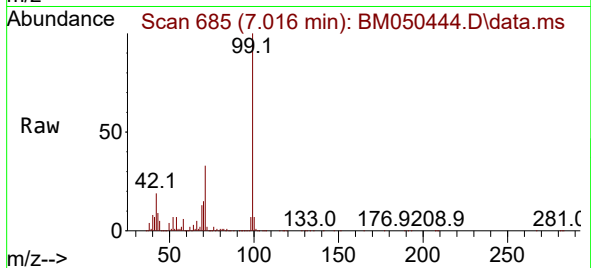




#7
Phenol-d6
Concen: 57.379 ng
RT: 7.016 min Scan# 686
Delta R.T. -0.006 min
Lab File: BM050444.D
Acq: 15 Jul 2025 02:52

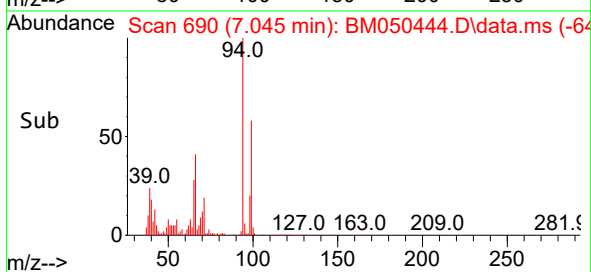
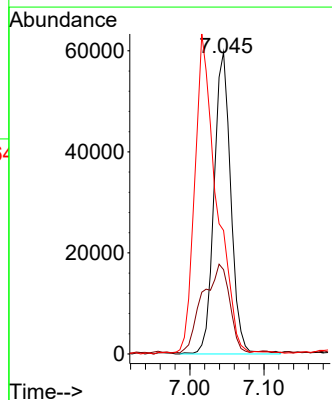
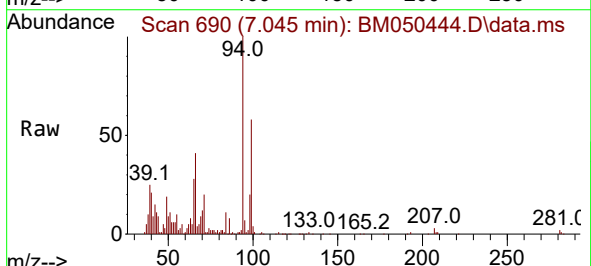
Instrument :
BNA_M
ClientSampleId :
500-3B CONCRETE CHIP

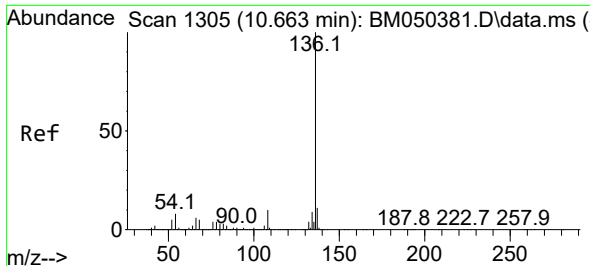
Tgt Ion: 99 Resp: 1933791
Ion Ratio Lower Upper
99 100
42 19.0 15.0 22.6
71 33.0 25.9 38.9



#10
Phenol
Concen: 2.672 ng
RT: 7.045 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM050444.D
Acq: 15 Jul 2025 02:52

Tgt Ion: 94 Resp: 93939
Ion Ratio Lower Upper
94 100
65 28.0 8.1 48.1
66 40.9 15.8 55.8

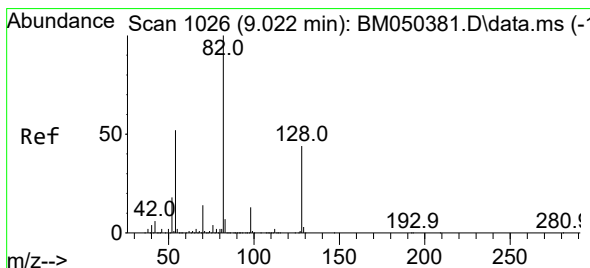
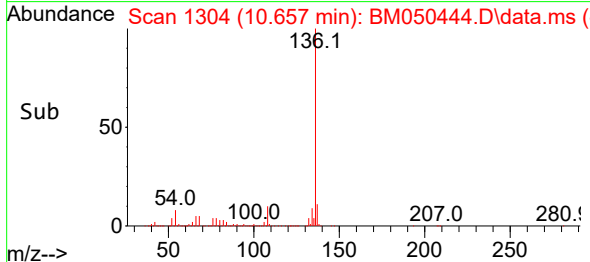
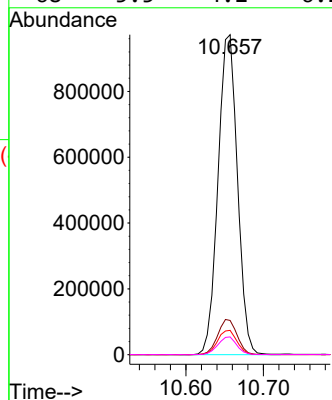
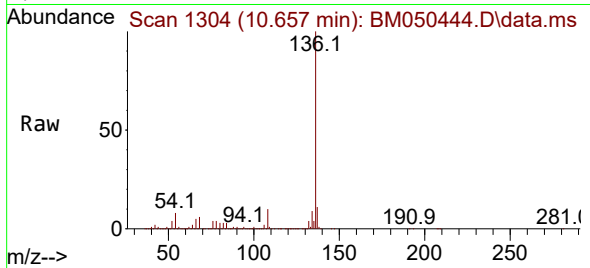




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050444.D
Acq: 15 Jul 2025 02:52

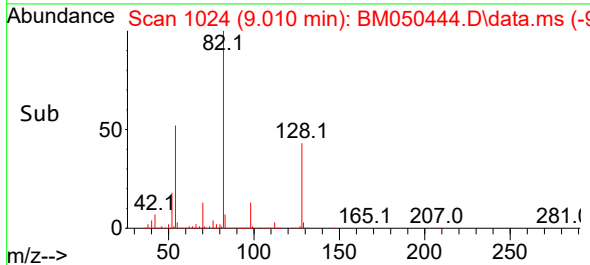
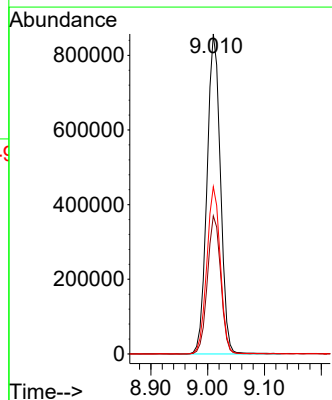
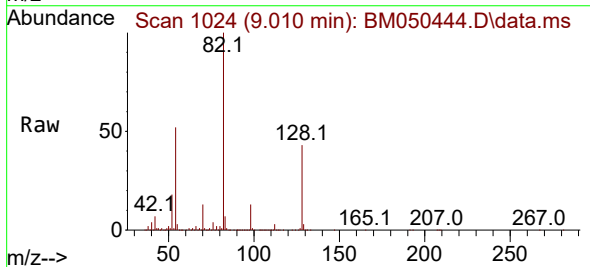
Instrument :
BNA_M
ClientSampleId :
500-3B CONCRETE CHIP

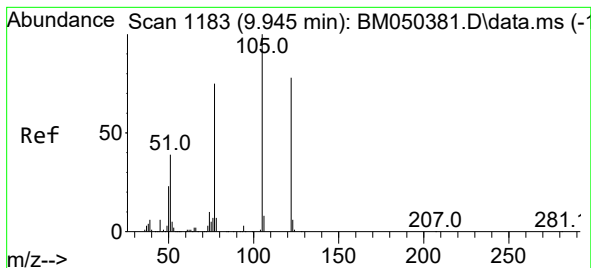
Tgt Ion:136 Resp: 1693020
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.6 6.3 9.5
68 5.5 4.2 6.2



#23
Nitrobenzene-d5
Concen: 42.289 ng
RT: 9.010 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BM050444.D
Acq: 15 Jul 2025 02:52

Tgt Ion: 82 Resp: 1403364
Ion Ratio Lower Upper
82 100
128 43.2 35.2 52.8
54 52.2 41.5 62.3





#32

Benzoic acid

Concen: 5.991 ng

RT: 9.957 min Scan# 1183

Delta R.T. 0.012 min

Lab File: BM050444.D

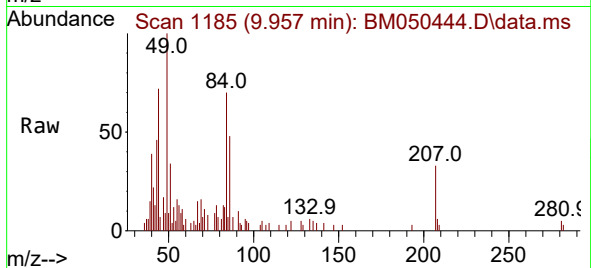
Acq: 15 Jul 2025 02:52

Instrument :

BNA_M

ClientSampleId :

500-3B CONCRETE CHIP



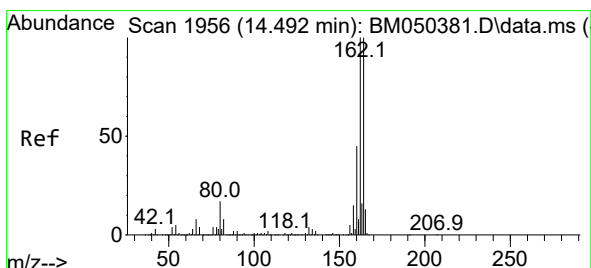
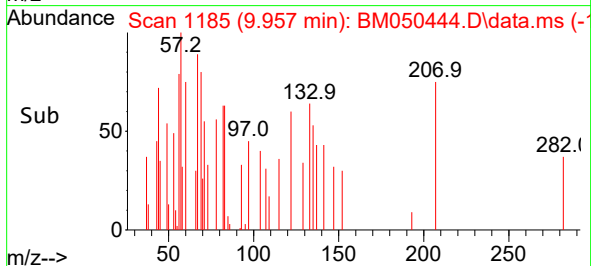
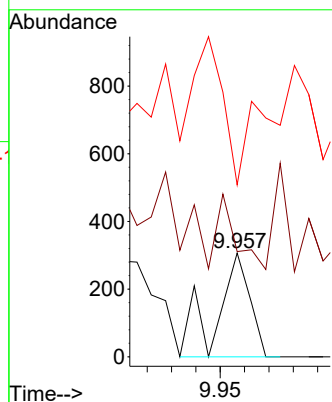
Tgt Ion:122 Resp: 293

Ion Ratio Lower Upper

122 100

105 101.3 104.0 144.0#

77 165.5 73.8 113.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.486 min Scan# 1955

Delta R.T. -0.006 min

Lab File: BM050444.D

Acq: 15 Jul 2025 02:52

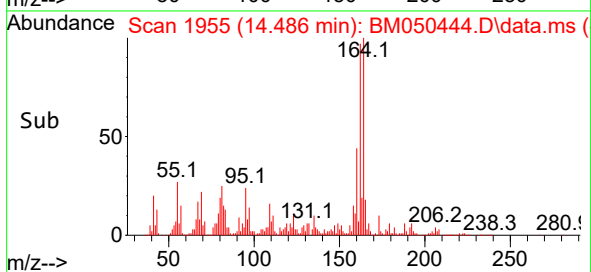
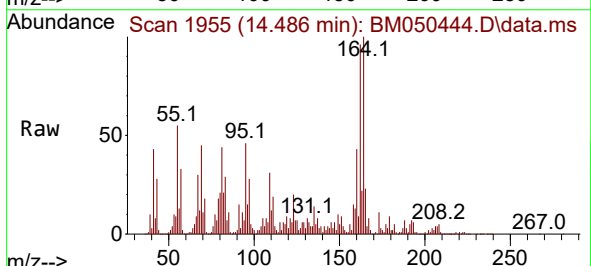
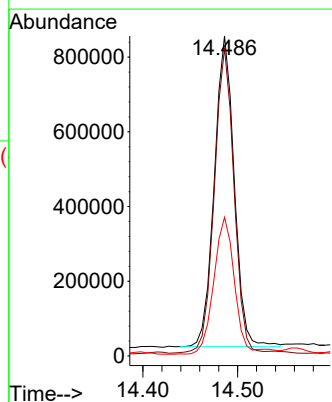
Tgt Ion:164 Resp: 1211938

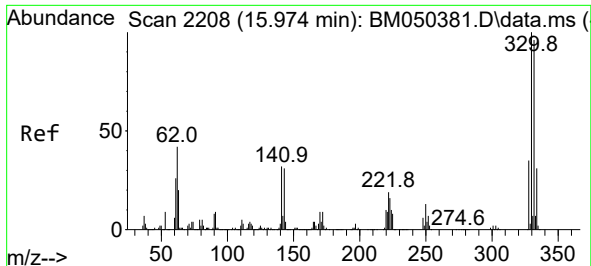
Ion Ratio Lower Upper

164 100

162 96.2 79.9 119.9

160 43.4 36.2 54.4

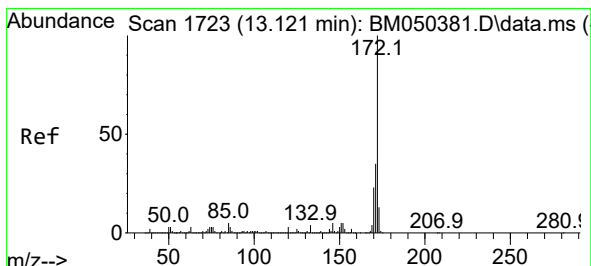
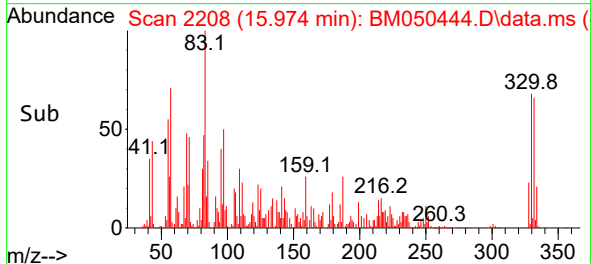
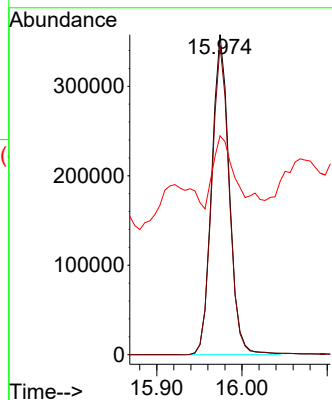
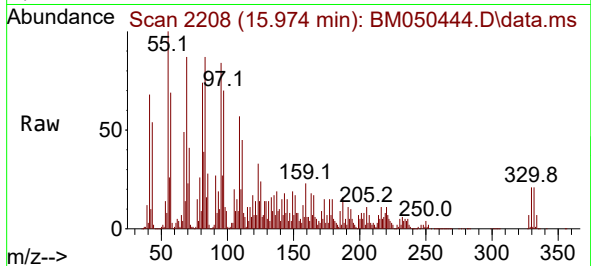




#42
2,4,6-Tribromophenol
Concen: 34.702 ng
RT: 15.974 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050444.D
Acq: 15 Jul 2025 02:52

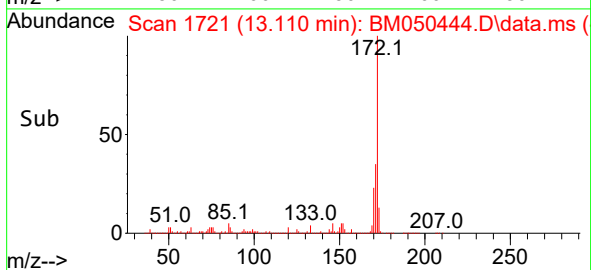
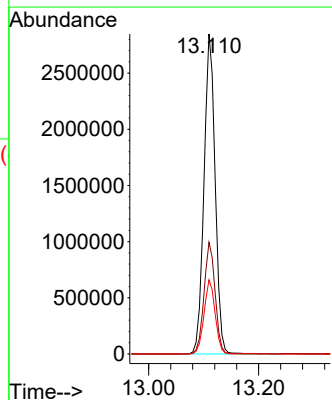
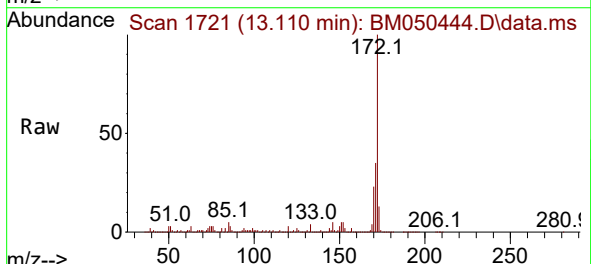
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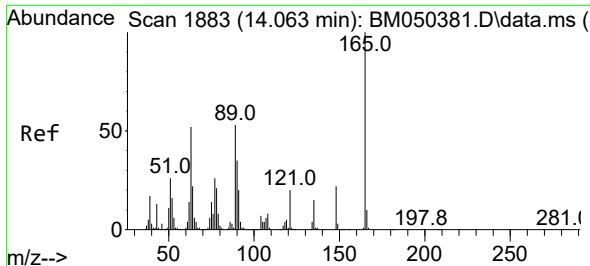
Tgt Ion:330 Resp: 510988
Ion Ratio Lower Upper
330 100
332 97.3 76.9 115.3
141 29.1 27.4 41.0



#45
2-Fluorobiphenyl
Concen: 40.929 ng
RT: 13.110 min Scan# 1721
Delta R.T. -0.012 min
Lab File: BM050444.D
Acq: 15 Jul 2025 02:52

Tgt Ion:172 Resp: 4016678
Ion Ratio Lower Upper
172 100
171 34.9 27.7 41.5
170 23.1 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 6.857 ng

RT: 14.027 min Scan# 1

Delta R.T. -0.035 min

Lab File: BM050444.D

Acq: 15 Jul 2025 02:52

Instrument :

BNA_M

ClientSampleId :

500-3B CONCRETE CHIP

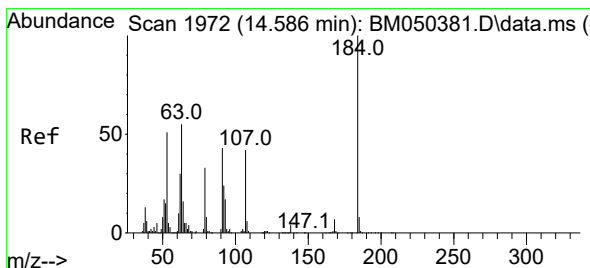
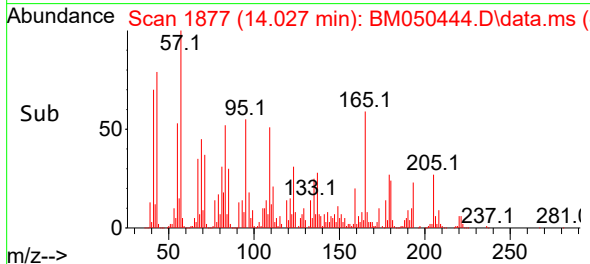
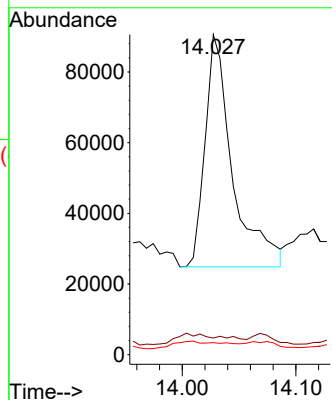
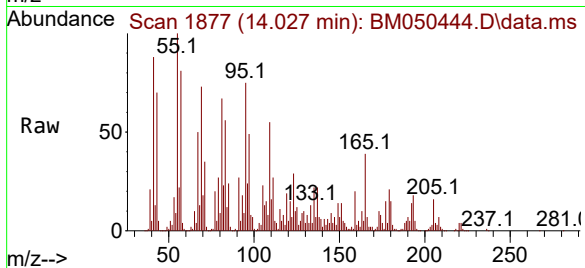
Tgt Ion:165 Resp: 109846

Ion Ratio Lower Upper

165 100

63 5.2 42.4 63.6#

89 3.8 42.2 63.2#



#54

2,4-Dinitrophenol

Concen: 6.515 ng

RT: 14.568 min Scan# 1969

Delta R.T. -0.018 min

Lab File: BM050444.D

Acq: 15 Jul 2025 02:52

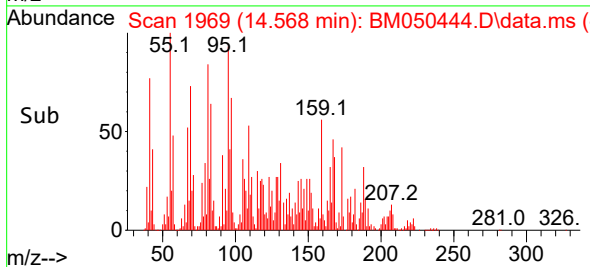
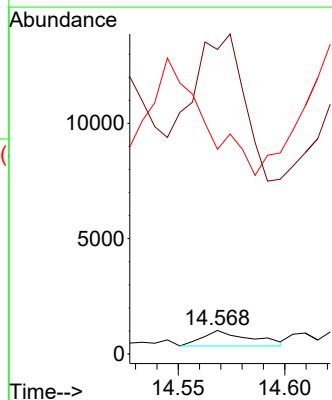
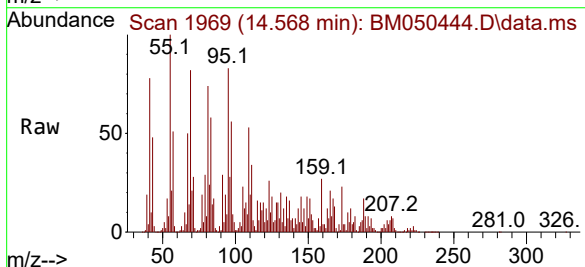
Tgt Ion:184 Resp: 1041

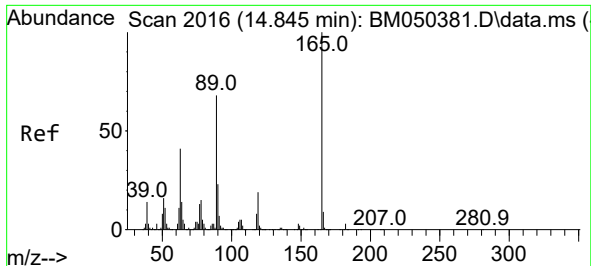
Ion Ratio Lower Upper

184 100

63 1290.5 53.4 80.0#

154 867.6 61.6 92.4#





#57

2,4-Dinitrotoluene

Concen: 5.827 ng

RT: 14.821 min Scan# 2016

Delta R.T. -0.024 min

Lab File: BM050444.D

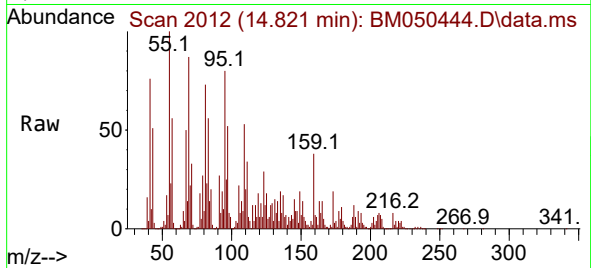
Acq: 15 Jul 2025 02:52

Instrument :

BNA_M

ClientSampleId :

500-3B CONCRETE CHIP



Tgt Ion:165 Resp: 78881

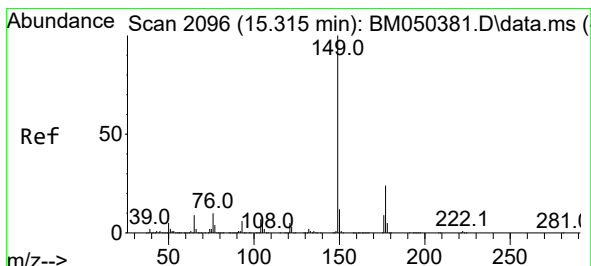
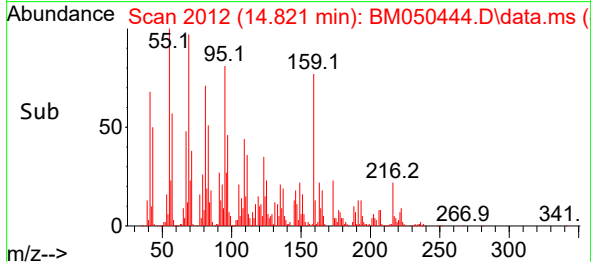
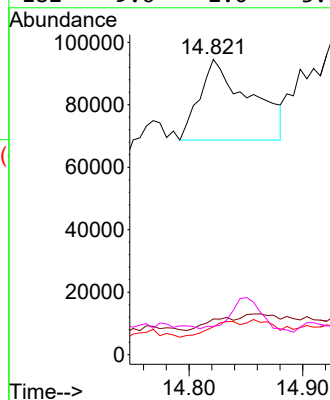
Ion Ratio Lower Upper

165 100

63 12.1 32.5 48.7#

89 9.4 54.0 81.0#

182 9.6 2.0 3.0#



#60

Diethylphthalate

Concen: 4.410 ng

RT: 15.286 min Scan# 2091

Delta R.T. -0.029 min

Lab File: BM050444.D

Acq: 15 Jul 2025 02:52

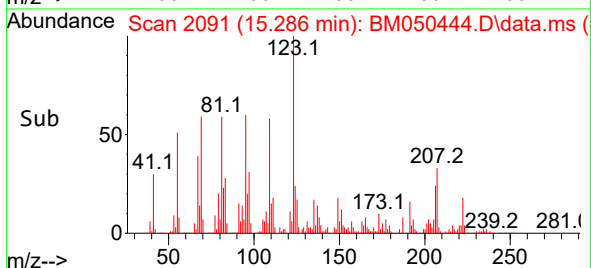
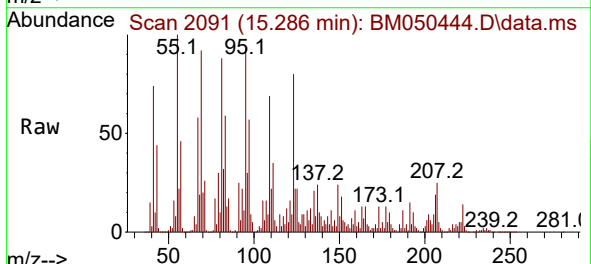
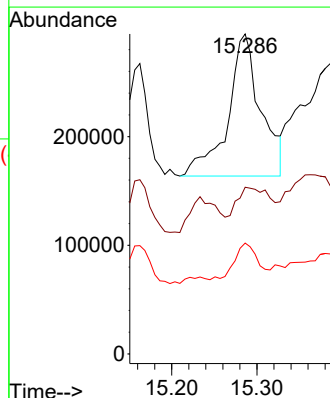
Tgt Ion:149 Resp: 351455

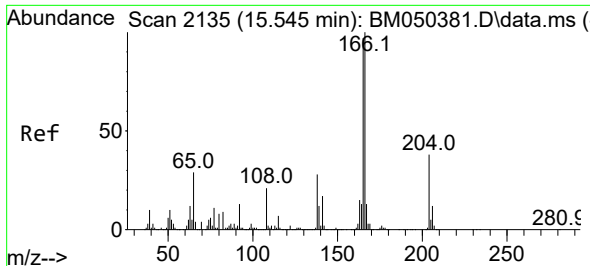
Ion Ratio Lower Upper

149 100

177 52.1 18.8 28.2#

150 34.6 9.8 14.8#

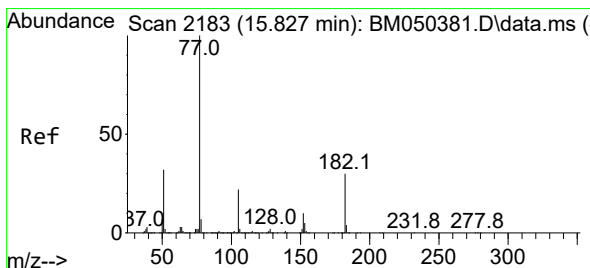
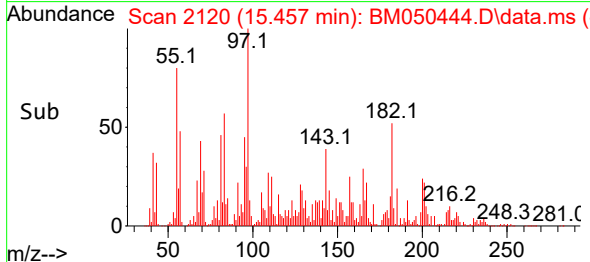
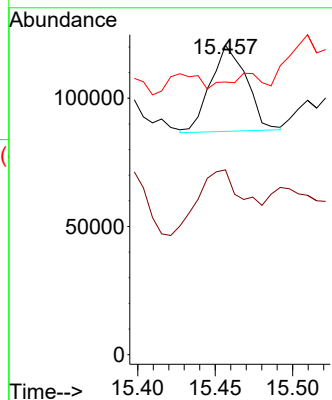
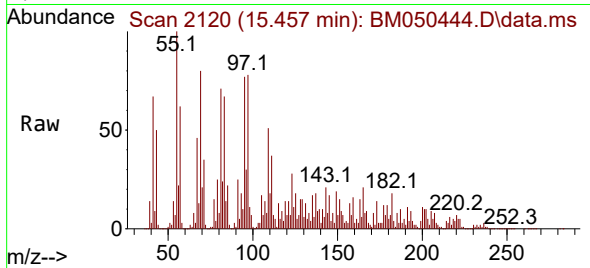




#62
4-Nitroaniline
Concen: 5.205 ng
RT: 15.457 min Scan# 2135
Delta R.T. -0.088 min
Lab File: BM050444.D
Acq: 15 Jul 2025 02:52

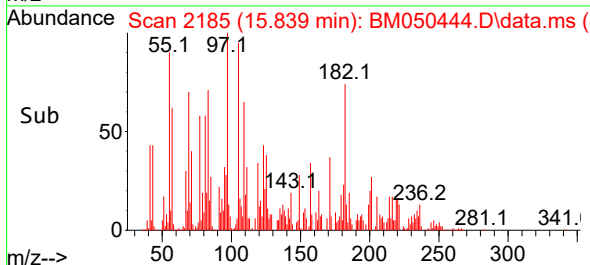
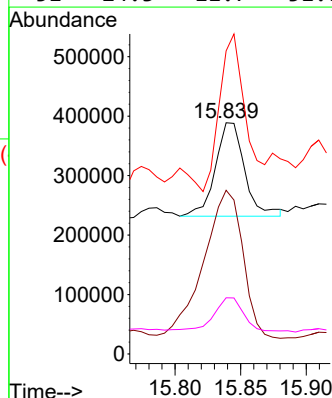
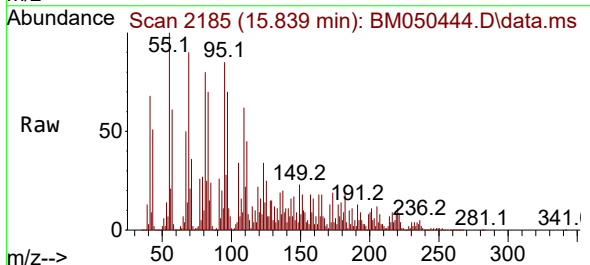
Instrument :
BNA_M
ClientSampleId :
500-3B CONCRETE CHIP

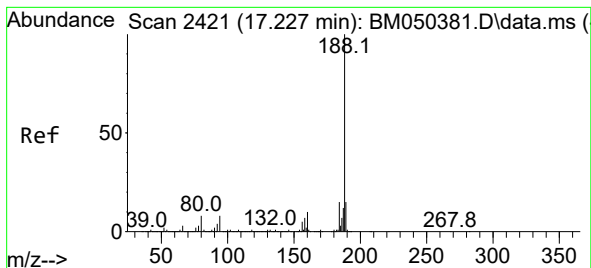
Tgt Ion:138 Resp: 54198
Ion Ratio Lower Upper
138 100
92 59.7 24.5 64.5
108 88.1 52.5 92.5



#63
Azobenzene
Concen: 3.341 ng
RT: 15.839 min Scan# 2185
Delta R.T. 0.012 min
Lab File: BM050444.D
Acq: 15 Jul 2025 02:52

Tgt Ion: 77 Resp: 244520
Ion Ratio Lower Upper
77 100
182 70.8 10.0 50.0#
105 131.1 2.0 42.0#
51 24.3 11.7 51.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.239 min Scan# 24

Delta R.T. 0.012 min

Lab File: BM050444.D

Acq: 15 Jul 2025 02:52

Instrument :

BNA_M

ClientSampleId :

500-3B CONCRETE CHIP

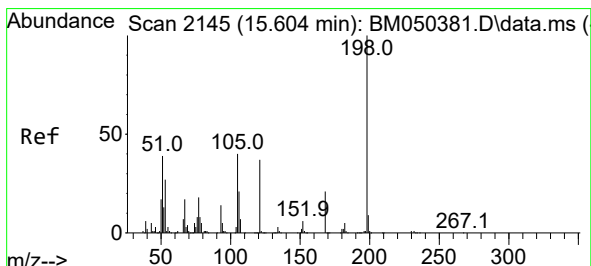
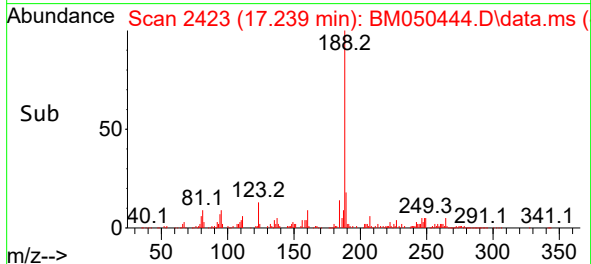
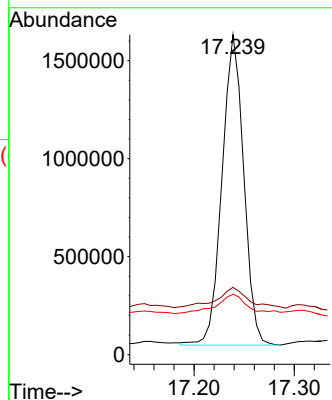
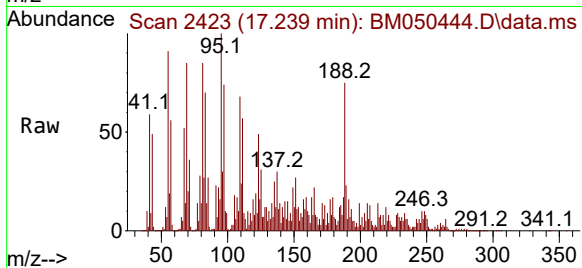
Tgt Ion:188 Resp: 2379030

Ion Ratio Lower Upper

188 100

94 21.0 6.0 9.0#

80 18.9 6.5 9.7#



#65

4,6-Dinitro-2-methylphenol

Concen: 7.372 ng

RT: 15.586 min Scan# 2142

Delta R.T. -0.018 min

Lab File: BM050444.D

Acq: 15 Jul 2025 02:52

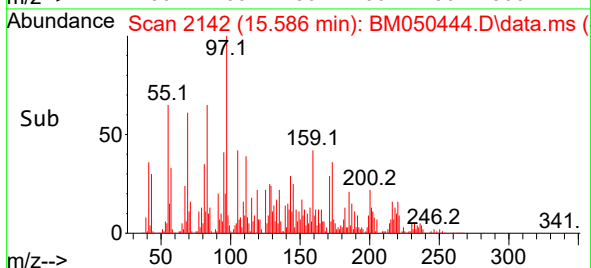
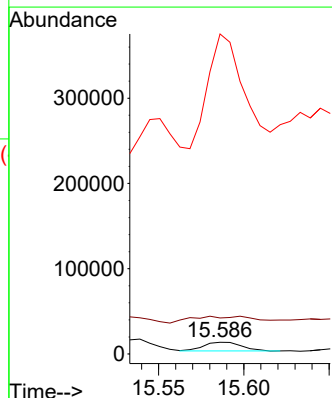
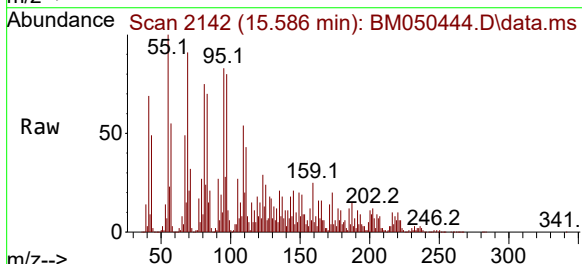
Tgt Ion:198 Resp: 15747

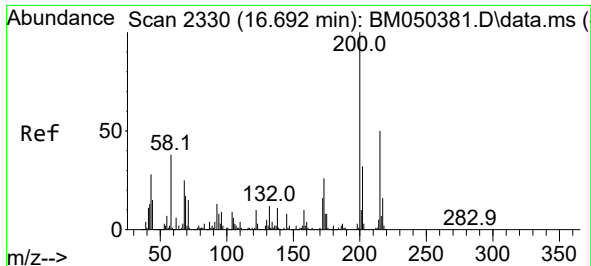
Ion Ratio Lower Upper

198 100

51 308.6 26.6 66.6#

105 2736.5 20.9 60.9#

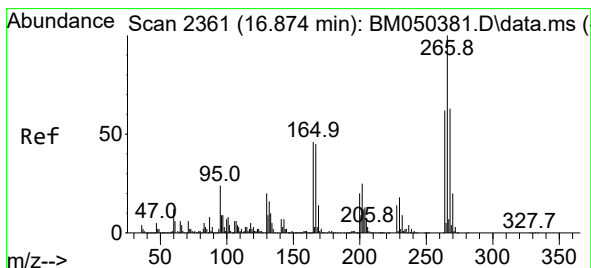
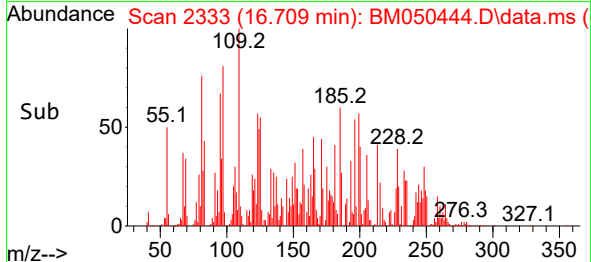
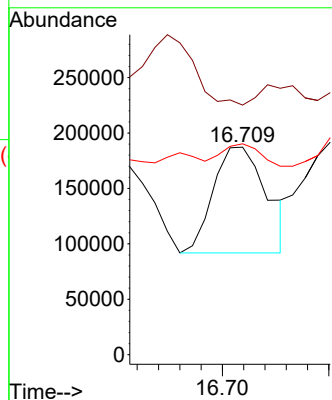
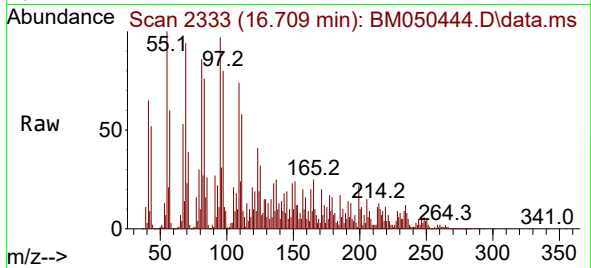




#69
Atrazine
Concen: 6.815 ng
RT: 16.709 min Scan# 21
Delta R.T. 0.018 min
Lab File: BM050444.D
Acq: 15 Jul 2025 02:52

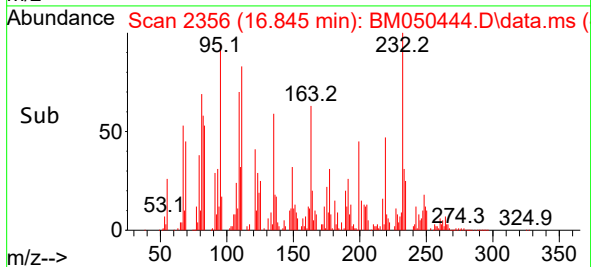
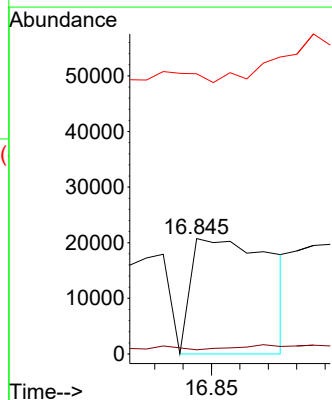
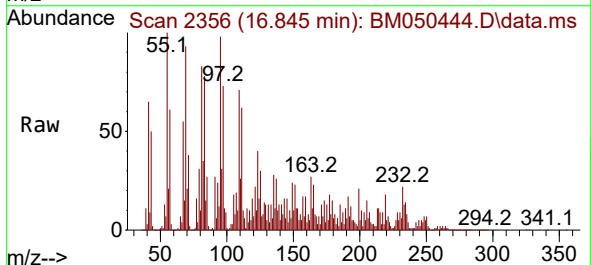
Instrument :
BNA_M
ClientSampleId :
500-3B CONCRETE CHIP

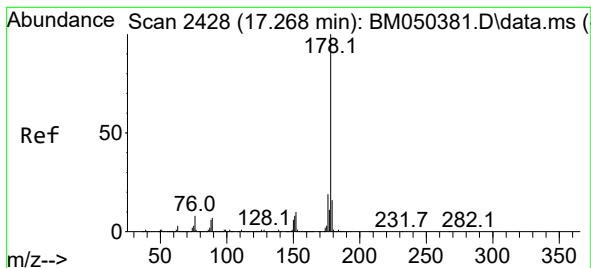
Tgt Ion:200 Resp: 166593
Ion Ratio Lower Upper
200 100
173 120.3 5.6 45.6#
215 101.6 29.6 69.6#



#70
Pentachlorophenol
Concen: 2.114 ng
RT: 16.845 min Scan# 2356
Delta R.T. -0.029 min
Lab File: BM050444.D
Acq: 15 Jul 2025 02:52

Tgt Ion:266 Resp: 40745
Ion Ratio Lower Upper
266 100
268 3.6 50.5 75.7#
264 242.9 49.9 74.9#





#71

Phenanthrene

Concen: 2.823 ng

RT: 17.280 min Scan# 24

Delta R.T. 0.012 min

Lab File: BM050444.D

Acq: 15 Jul 2025 02:52

Instrument :

BNA_M

ClientSampleId :

500-3B CONCRETE CHIP

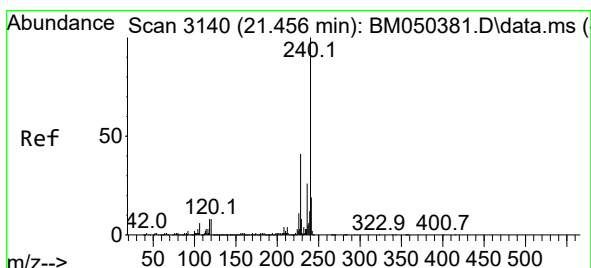
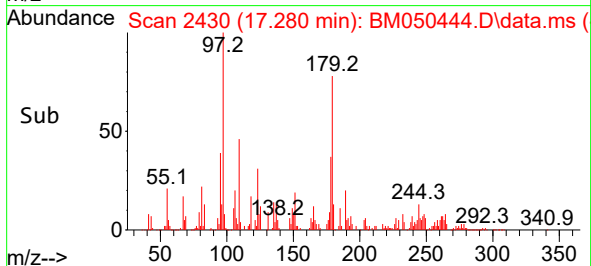
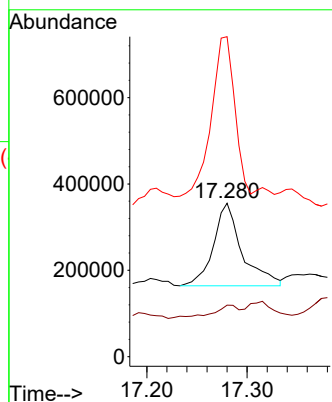
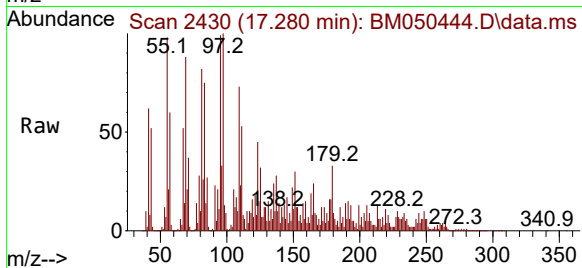
Tgt Ion:178 Resp: 380029

Ion Ratio Lower Upper

178 100

176 33.6 15.4 23.0#

179 208.6 12.5 18.7#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.450 min Scan# 3139

Delta R.T. -0.006 min

Lab File: BM050444.D

Acq: 15 Jul 2025 02:52

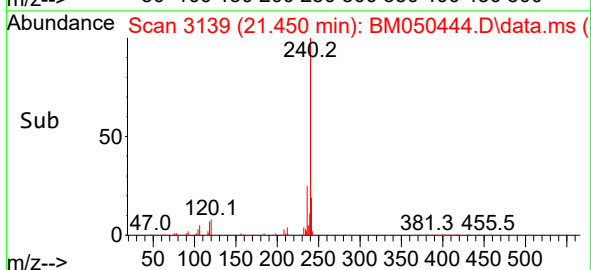
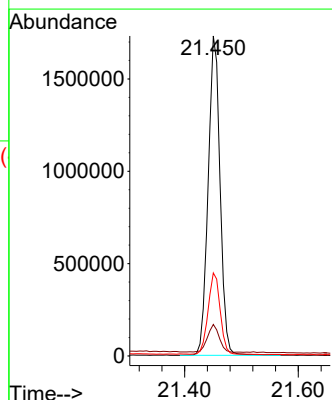
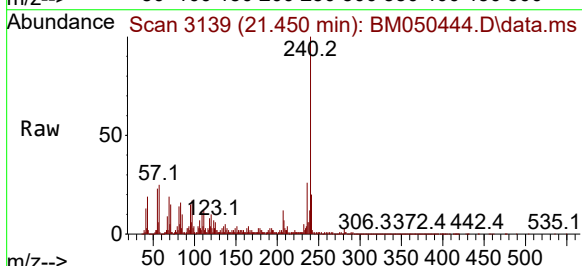
Tgt Ion:240 Resp: 2508514

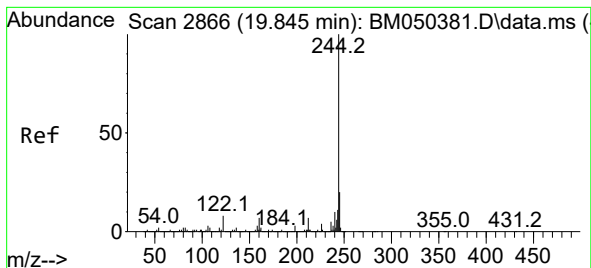
Ion Ratio Lower Upper

240 100

120 9.9 6.7 10.1

236 25.9 20.7 31.1





#79

Terphenyl-d14

Concen: 45.206 ng

RT: 19.850 min Scan# 2

Delta R.T. 0.006 min

Lab File: BM050444.D

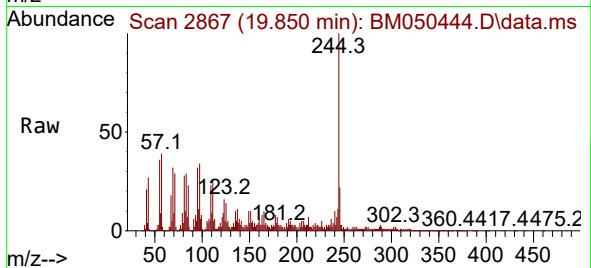
Acq: 15 Jul 2025 02:52

Instrument :

BNA_M

ClientSampleId :

500-3B CONCRETE CHIP



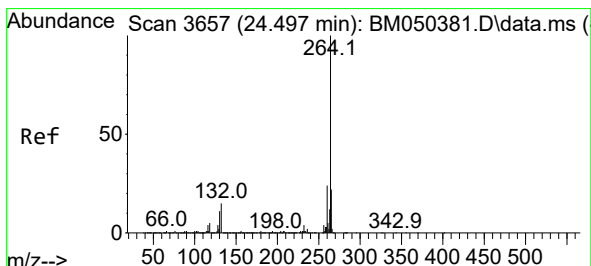
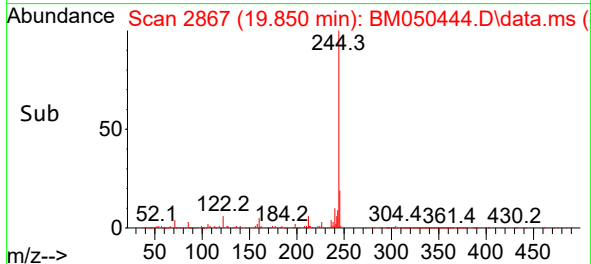
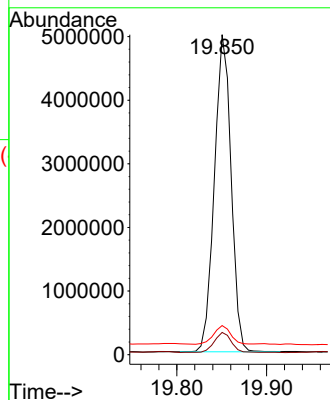
Tgt Ion:244 Resp: 6445216

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 9.1 6.2 9.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.468 min Scan# 3652

Delta R.T. -0.029 min

Lab File: BM050444.D

Acq: 15 Jul 2025 02:52

Tgt Ion:264 Resp: 2528180

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.9 17.8 26.6

