

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071525\
 Data File : BM050460.D
 Acq On : 15 Jul 2025 18:11
 Operator : RC/JU
 Sample : Q2578-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-A2-12-C

Quant Time: Jul 16 02:00:58 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)

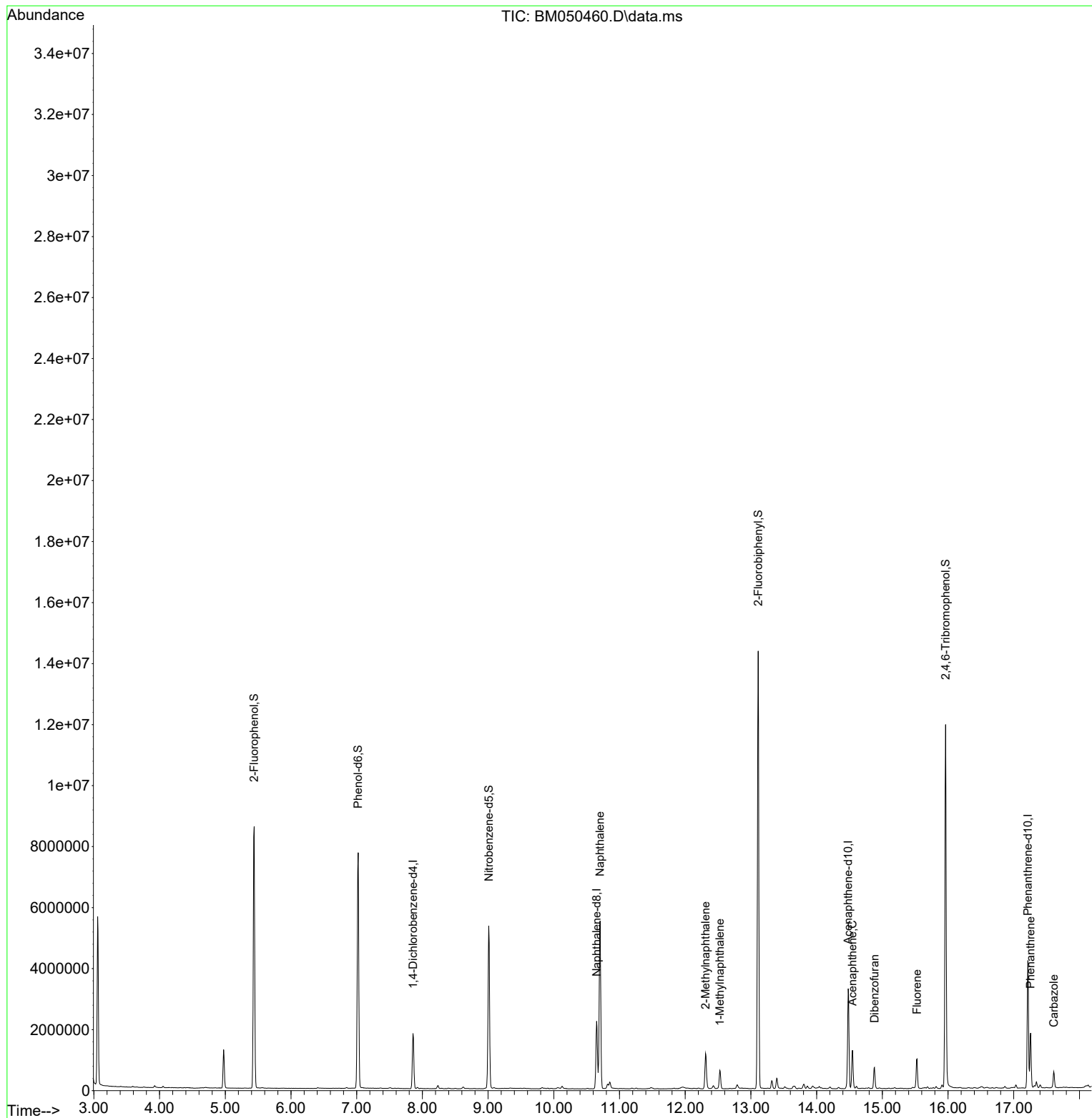
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	514304	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	1853596	20.000	ng	-0.01
39) Acenaphthene-d10	14.480	164	1193542	20.000	ng	-0.01
64) Phenanthrene-d10	17.215	188	2415238	20.000	ng	-0.01
76) Chrysene-d12	21.433	240	2529047	20.000	ng	-0.02
86) Perylene-d12	24.462	264	2680110	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	3759347	125.821	ng	0.00
7) Phenol-d6	7.022	99	4413191	117.169	ng	0.00
23) Nitrobenzene-d5	9.010	82	2946564	81.101	ng	-0.01
42) 2,4,6-Tribromophenol	15.962	330	2287437	157.736	ng	-0.01
45) 2-Fluorobiphenyl	13.110	172	7492871	77.527	ng	-0.01
79) Terphenyl-d14	19.827	244	12275923	85.404	ng	-0.02
Target Compounds						
						Qvalue
31) Naphthalene	10.704	128	4503882	47.838	ng	100
37) 2-Methylnaphthalene	12.310	142	516159	8.683	ng	99
38) 1-Methylnaphthalene	12.527	142	289691	4.605	ng	99
52) Acenaphthene	14.545	154	461013	6.796	ng	99
55) Dibenzofuran	14.880	168	458114	4.383	ng	98
58) Fluorene	15.527	166	443103	5.147	ng	99
71) Phenanthrene	17.256	178	1121936	8.209	ng	99
73) Carbazole	17.609	167	349127	2.836	ng	99

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

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BNA_M
ClientSampleId :
WC-A2-12-C

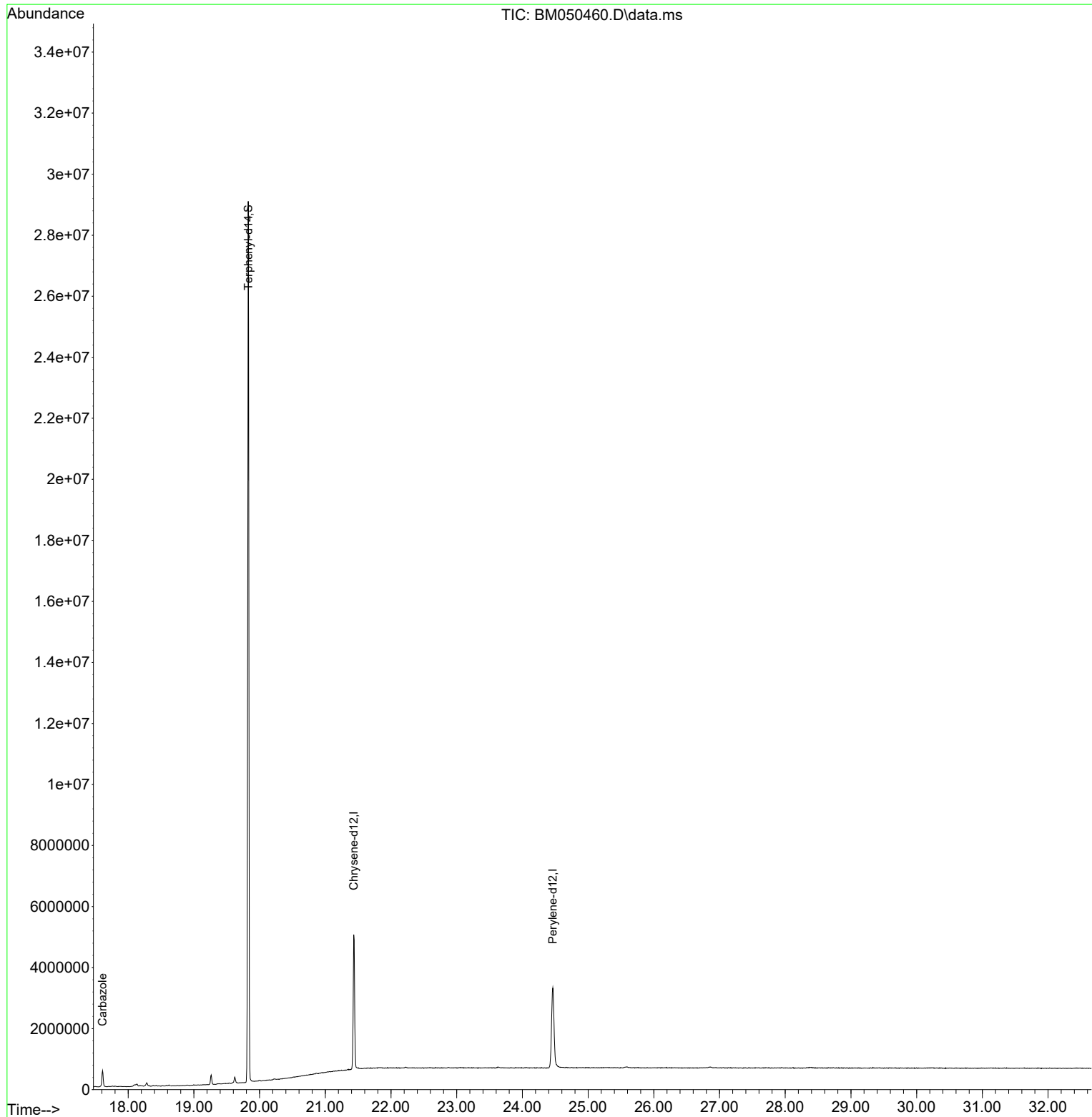
Quant Time: Jul 16 02:00:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

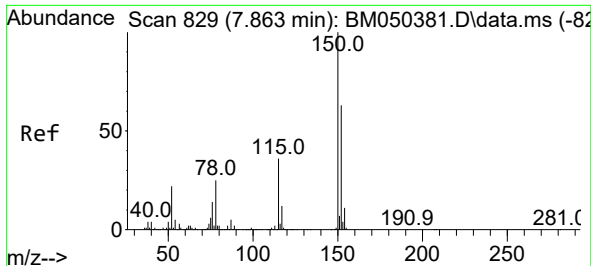


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071525\
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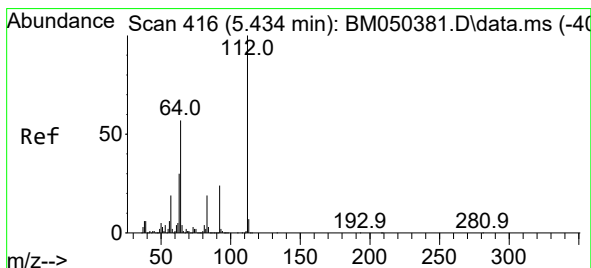
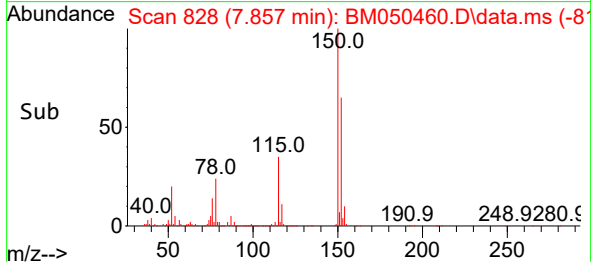
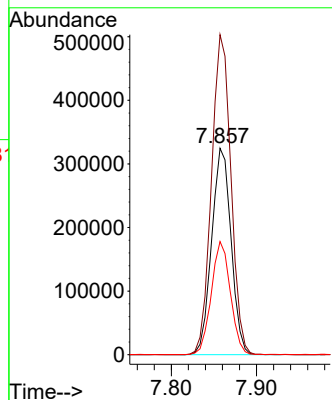
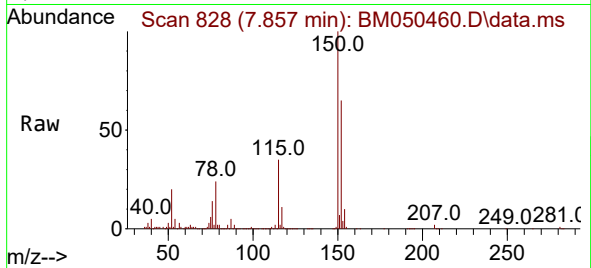




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050460.D
Acq: 15 Jul 2025 18:11

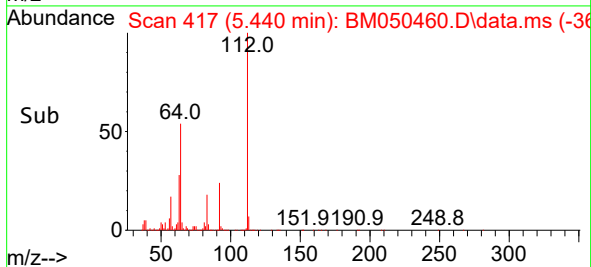
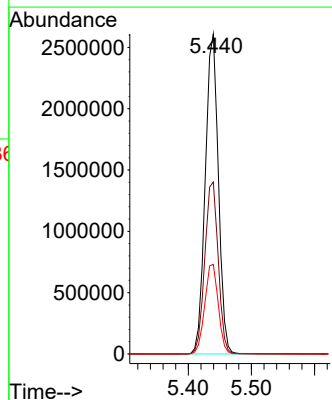
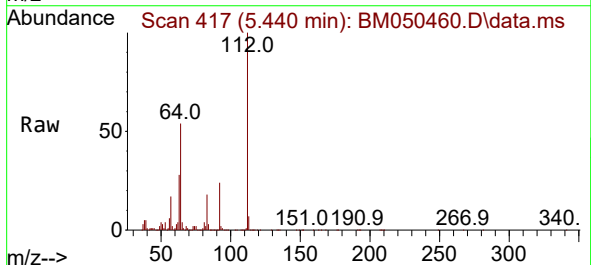
Instrument :
BNA_M
ClientSampleId :
WC-A2-12-C

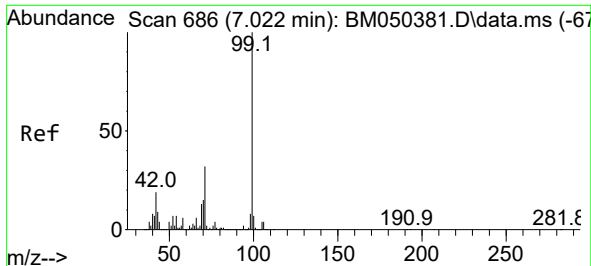
Tgt Ion:152 Resp: 514304
Ion Ratio Lower Upper
152 100
150 155.0 126.2 189.4
115 54.8 45.8 68.8



#5
2-Fluorophenol
Concen: 125.821 ng
RT: 5.440 min Scan# 417
Delta R.T. 0.006 min
Lab File: BM050460.D
Acq: 15 Jul 2025 18:11

Tgt Ion:112 Resp: 3759347
Ion Ratio Lower Upper
112 100
64 53.7 45.5 68.3
63 28.0 24.2 36.4

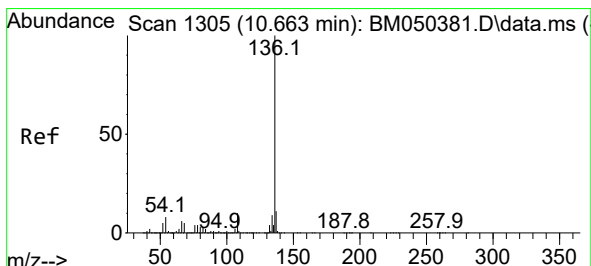
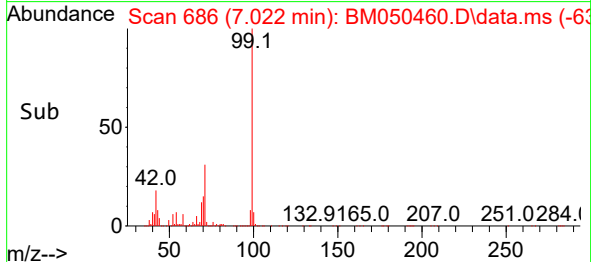
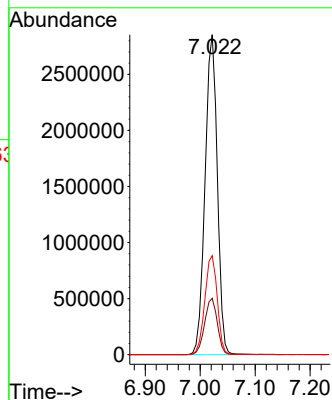
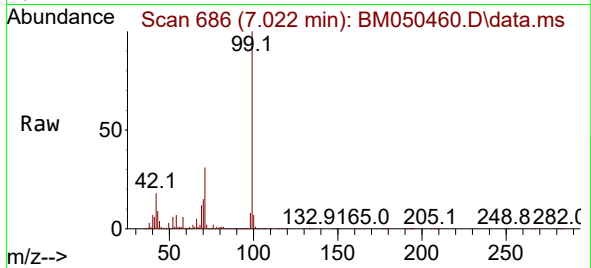




#7
Phenol-d6
Concen: 117.169 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050460.D
Acq: 15 Jul 2025 18:11

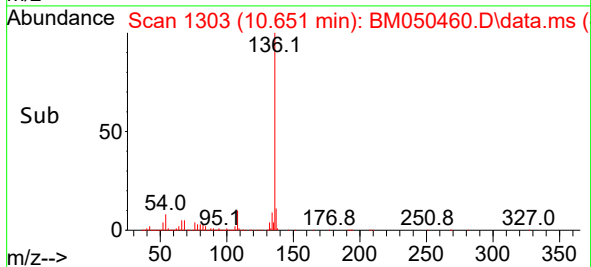
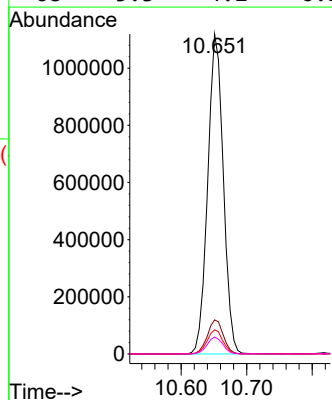
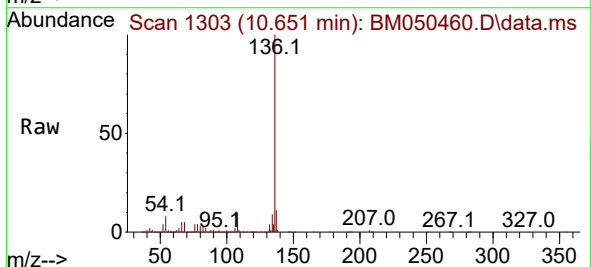
Instrument :
BNA_M
ClientSampleId :
WC-A2-12-C

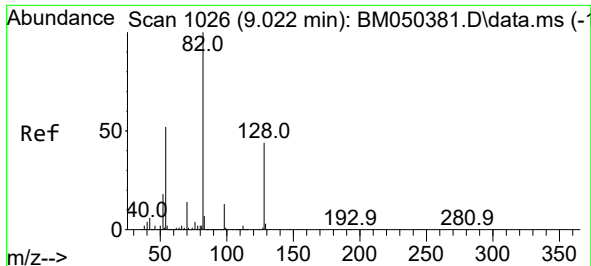
Tgt Ion: 99 Resp: 4413191
Ion Ratio Lower Upper
99 100
42 17.6 15.0 22.6
71 30.9 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BM050460.D
Acq: 15 Jul 2025 18:11

Tgt Ion:136 Resp: 1853596
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.6 6.3 9.5
68 5.3 4.2 6.2

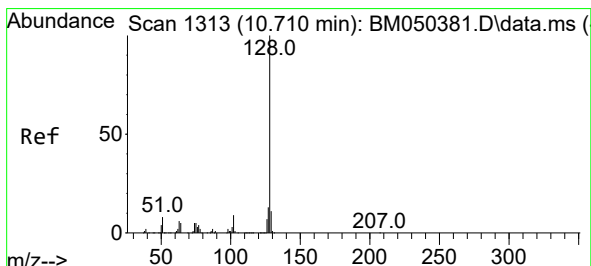
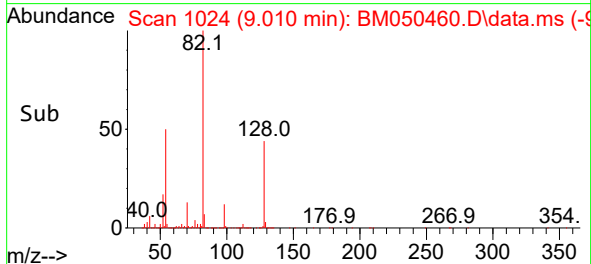
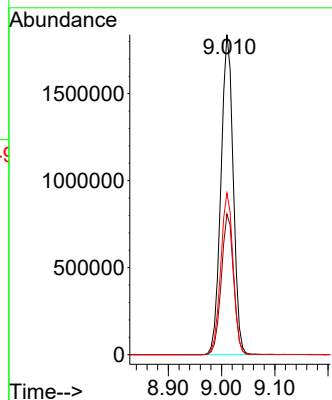
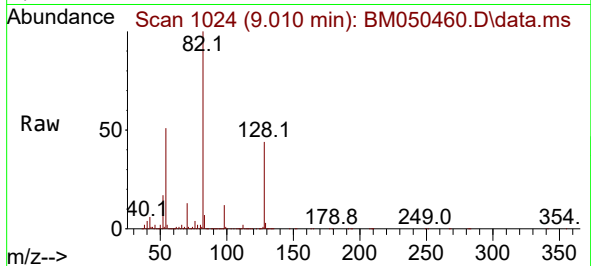




#23
Nitrobenzene-d5
Concen: 81.101 ng
RT: 9.010 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BM050460.D
Acq: 15 Jul 2025 18:11

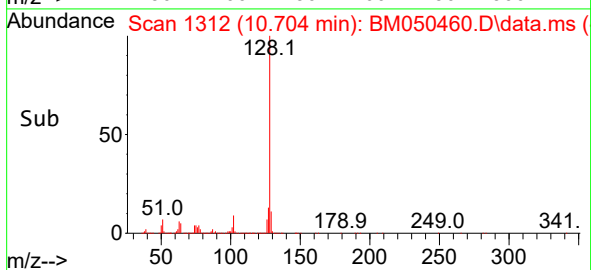
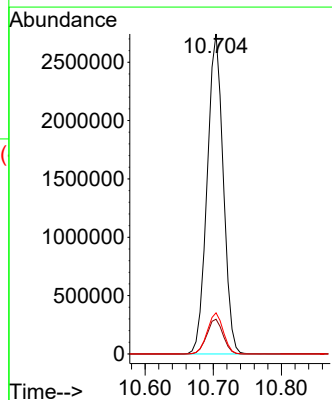
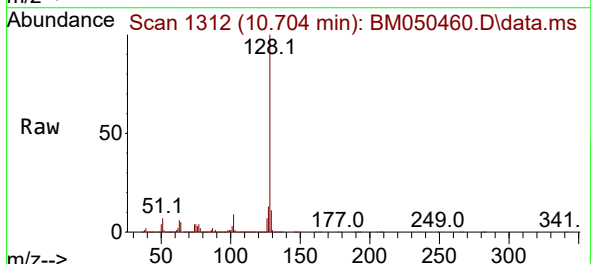
Instrument :
BNA_M
ClientSampleId :
WC-A2-12-C

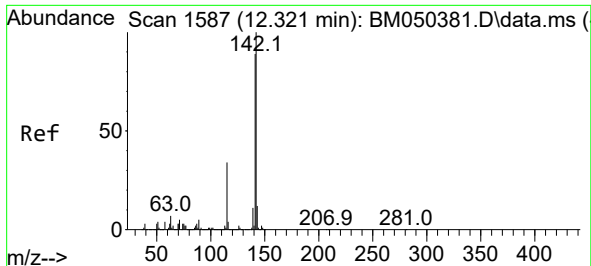
Tgt Ion: 82 Resp: 2946564
Ion Ratio Lower Upper
82 100
128 44.0 35.2 52.8
54 50.5 41.5 62.3



#31
Naphthalene
Concen: 47.838 ng
RT: 10.704 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BM050460.D
Acq: 15 Jul 2025 18:11

Tgt Ion:128 Resp: 4503882
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.8 10.4 15.6

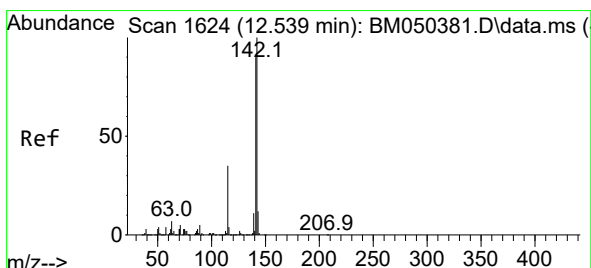
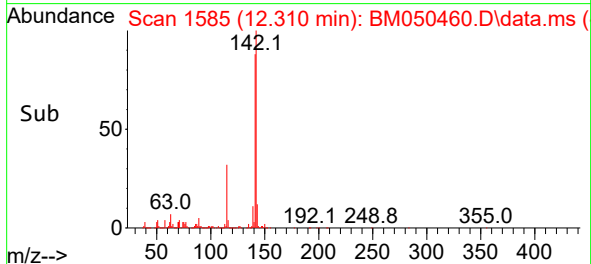
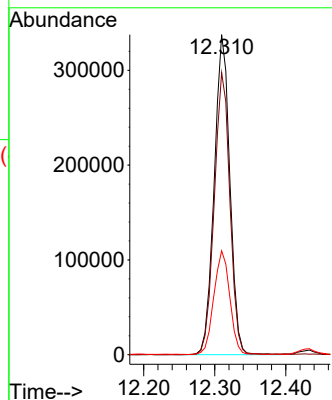
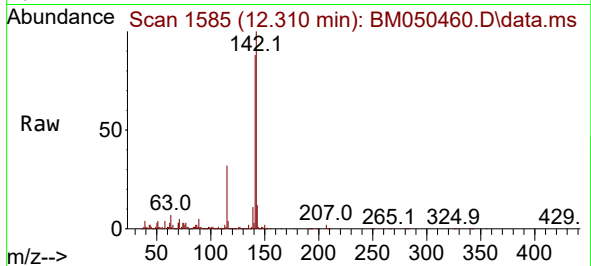




#37
2-Methylnaphthalene
Concen: 8.683 ng
RT: 12.310 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BM050460.D
Acq: 15 Jul 2025 18:11

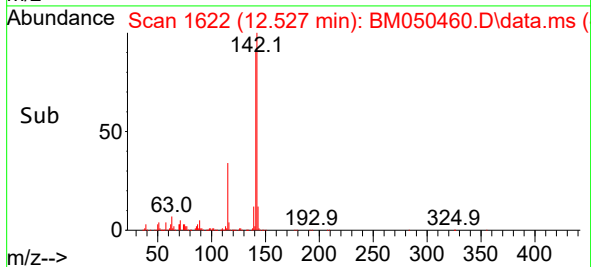
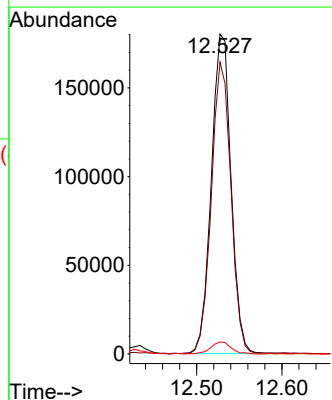
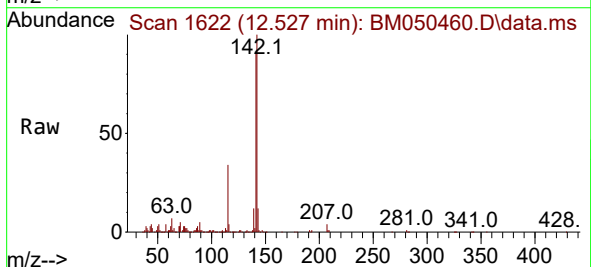
Instrument :
BNA_M
ClientSampleId :
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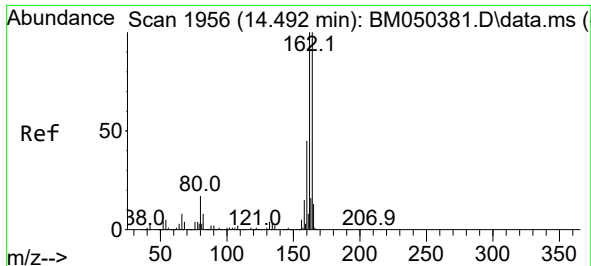
Tgt Ion:142 Resp: 516159
Ion Ratio Lower Upper
142 100
141 88.2 70.8 106.2
115 32.4 27.0 40.4



#38
1-Methylnaphthalene
Concen: 4.605 ng
RT: 12.527 min Scan# 1622
Delta R.T. -0.012 min
Lab File: BM050460.D
Acq: 15 Jul 2025 18:11

Tgt Ion:142 Resp: 289691
Ion Ratio Lower Upper
142 100
141 91.2 71.9 107.9
116 3.8 3.0 4.6

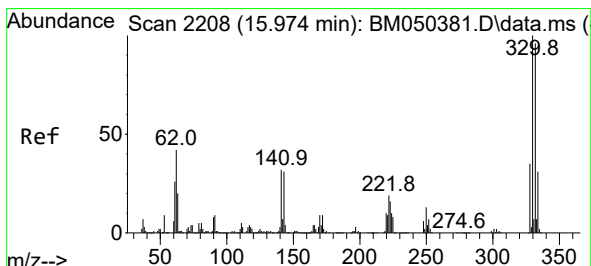
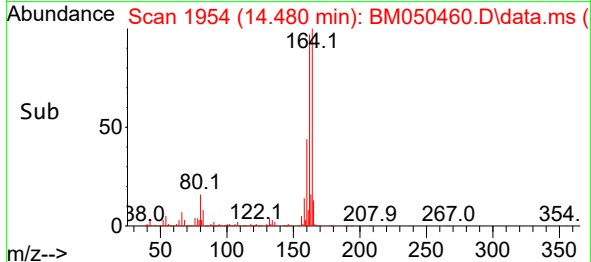
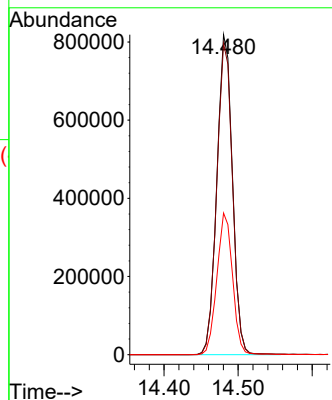
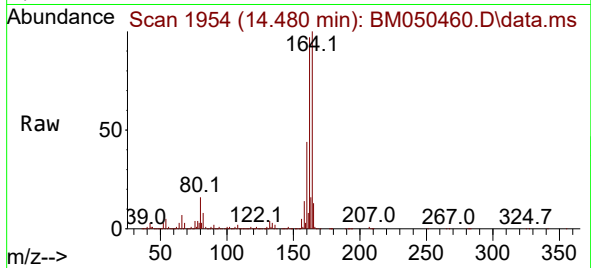




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1954
Delta R.T. -0.012 min
Lab File: BM050460.D
Acq: 15 Jul 2025 18:11

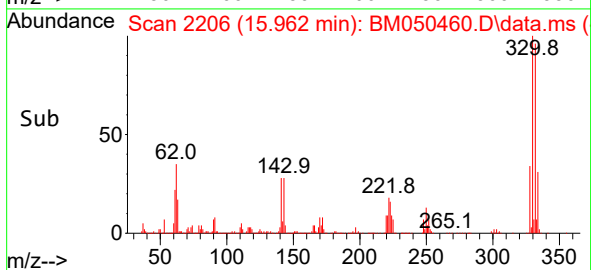
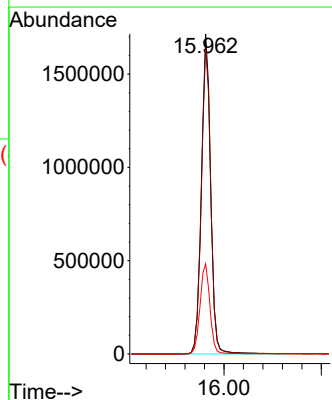
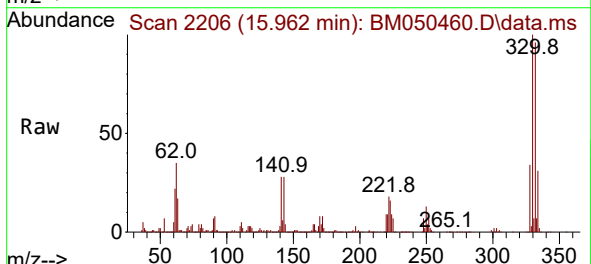
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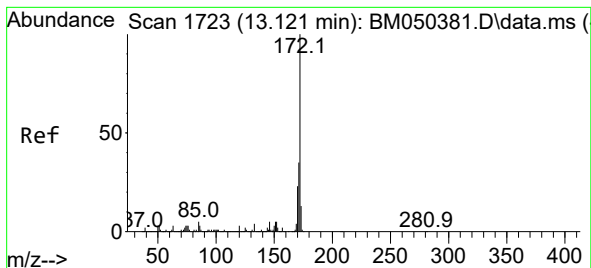
Tgt Ion:164 Resp: 1193542
Ion Ratio Lower Upper
164 100
162 97.3 79.9 119.9
160 44.2 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 157.736 ng
RT: 15.962 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BM050460.D
Acq: 15 Jul 2025 18:11

Tgt Ion:330 Resp: 2287437
Ion Ratio Lower Upper
330 100
332 97.1 76.9 115.3
141 30.0 27.4 41.0





#45

2-Fluorobiphenyl

Concen: 77.527 ng

RT: 13.110 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM050460.D

Acq: 15 Jul 2025 18:11

Instrument :

BNA_M

ClientSampleId :

WC-A2-12-C

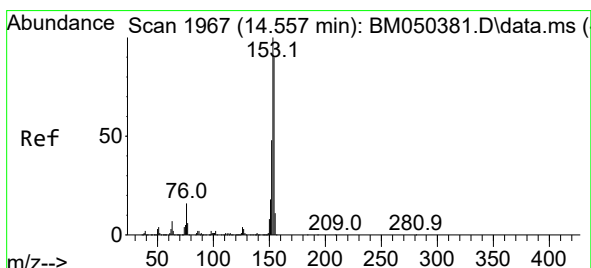
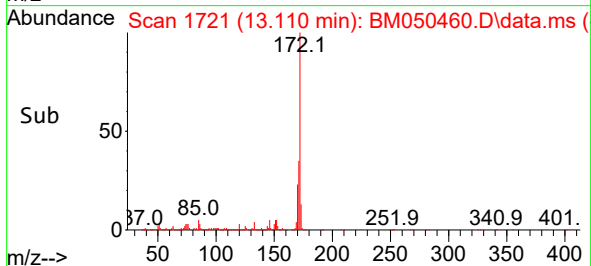
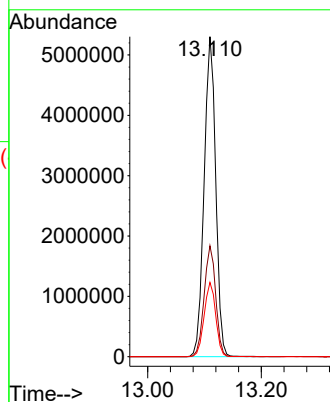
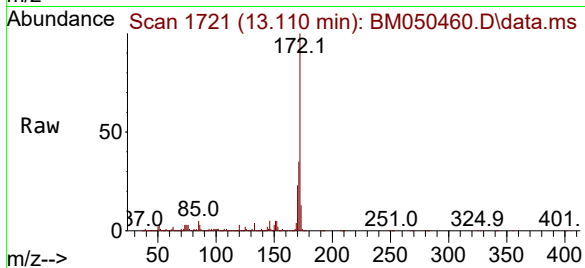
Tgt Ion:172 Resp: 7492871

Ion Ratio Lower Upper

172 100

171 34.6 27.7 41.5

170 23.2 18.8 28.2



#52

Acenaphthene

Concen: 6.796 ng

RT: 14.545 min Scan# 1965

Delta R.T. -0.012 min

Lab File: BM050460.D

Acq: 15 Jul 2025 18:11

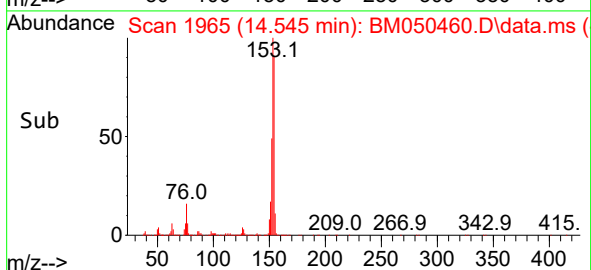
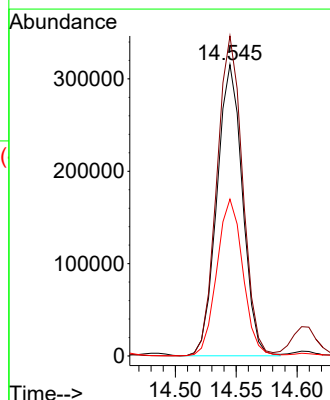
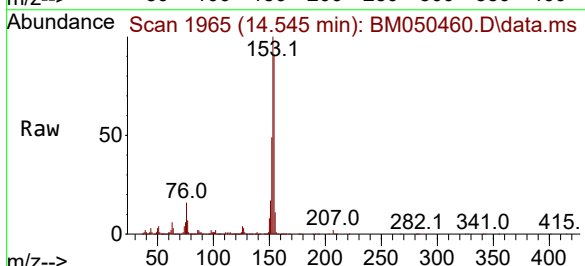
Tgt Ion:154 Resp: 461013

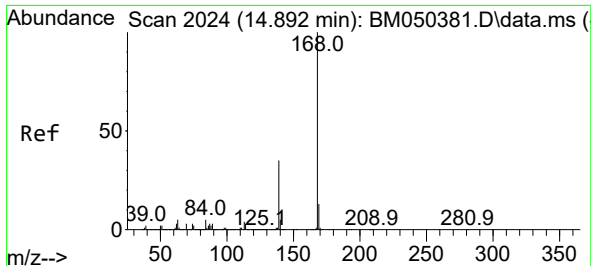
Ion Ratio Lower Upper

154 100

153 109.8 89.2 133.8

152 53.8 42.6 64.0

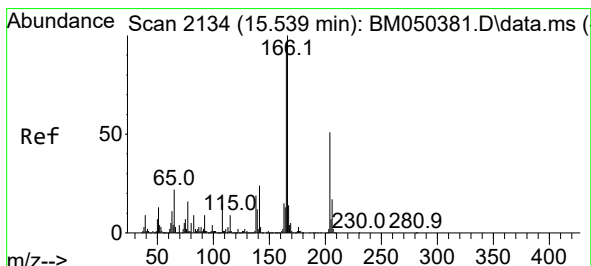
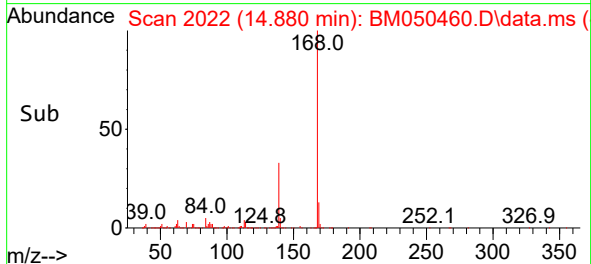
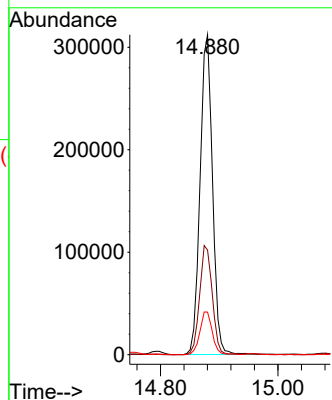
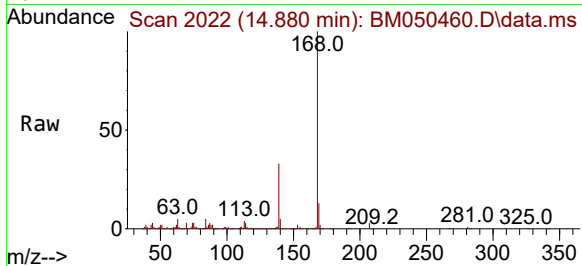




#55
Dibenzenofuran
Concen: 4.383 ng
RT: 14.880 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM050460.D
Acq: 15 Jul 2025 18:11

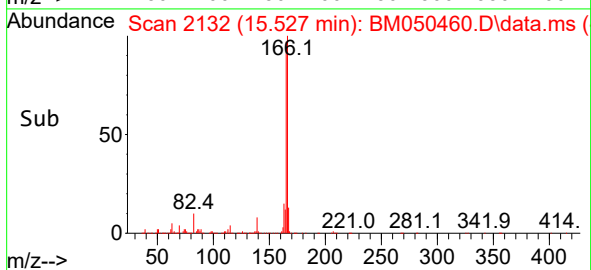
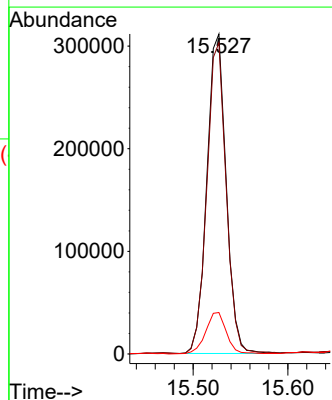
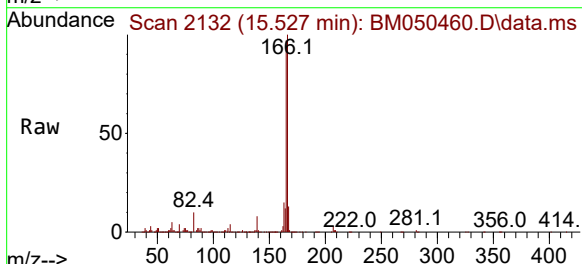
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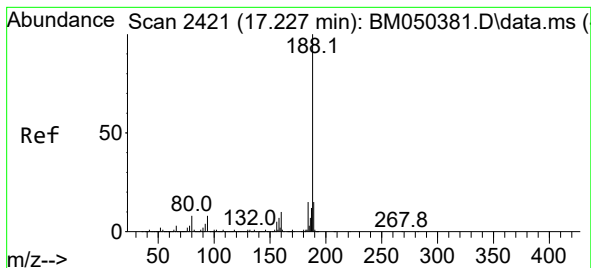
Tgt Ion:168 Resp: 458114
Ion Ratio Lower Upper
168 100
139 32.7 27.7 41.5
169 13.3 10.7 16.1



#58
Fluorene
Concen: 5.147 ng
RT: 15.527 min Scan# 2132
Delta R.T. -0.012 min
Lab File: BM050460.D
Acq: 15 Jul 2025 18:11

Tgt Ion:166 Resp: 443103
Ion Ratio Lower Upper
166 100
165 97.3 77.0 115.6
167 13.0 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.215 min Scan# 2419

Delta R.T. -0.012 min

Lab File: BM050460.D

Acq: 15 Jul 2025 18:11

Instrument :

BNA_M

ClientSampleId :

WC-A2-12-C

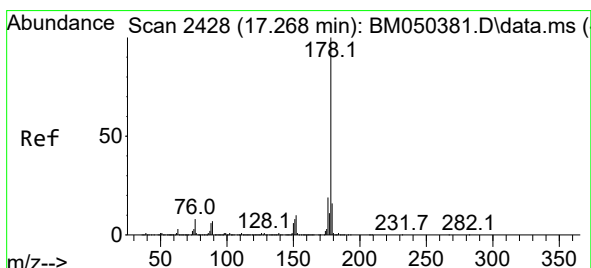
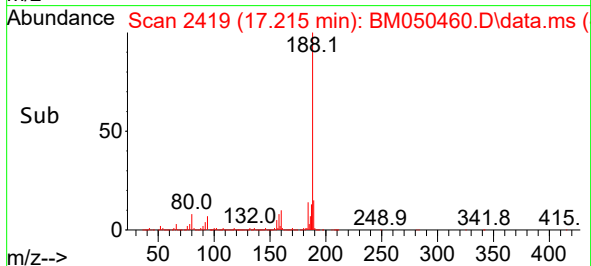
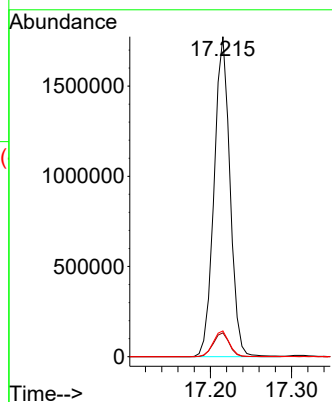
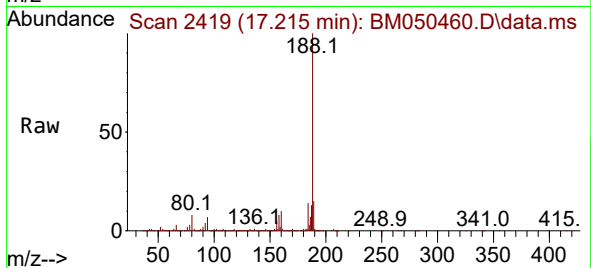
Tgt Ion:188 Resp: 2415238

Ion Ratio Lower Upper

188 100

94 7.5 6.0 9.0

80 8.0 6.5 9.7



#71

Phenanthrene

Concen: 8.209 ng

RT: 17.256 min Scan# 2426

Delta R.T. -0.012 min

Lab File: BM050460.D

Acq: 15 Jul 2025 18:11

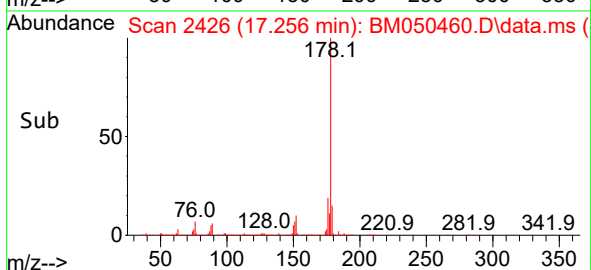
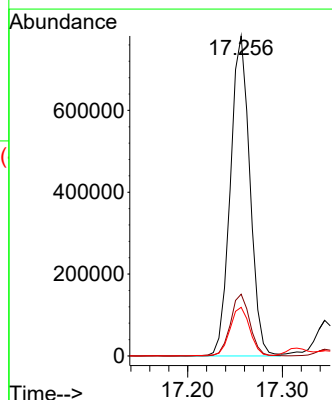
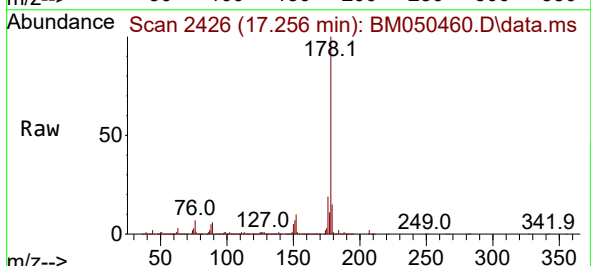
Tgt Ion:178 Resp: 1121936

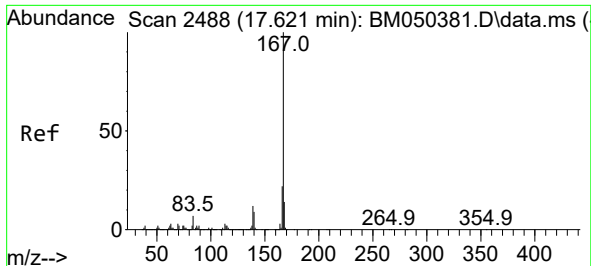
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 15.2 12.5 18.7

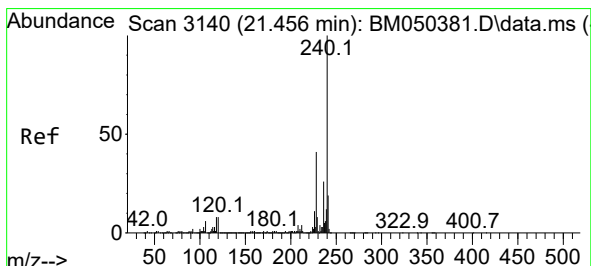
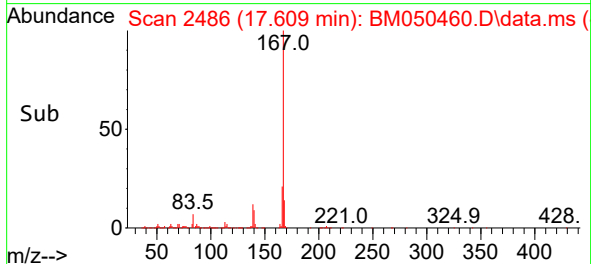
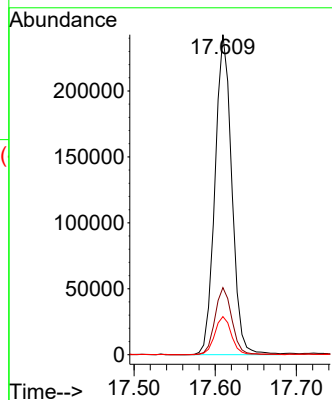
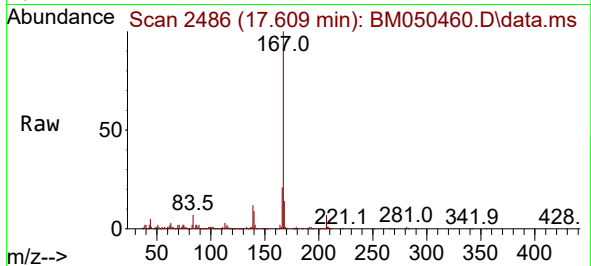




#73
 Carbazole
 Concen: 2.836 ng
 RT: 17.609 min Scan# 2486
 Delta R.T. -0.012 min
 Lab File: BM050460.D
 Acq: 15 Jul 2025 18:11

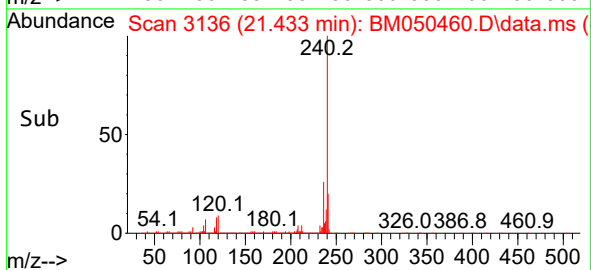
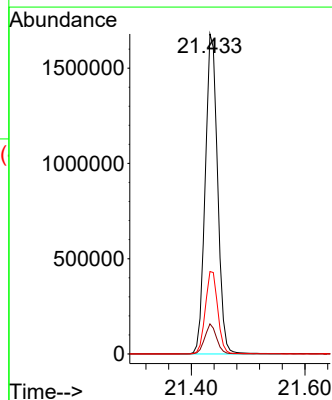
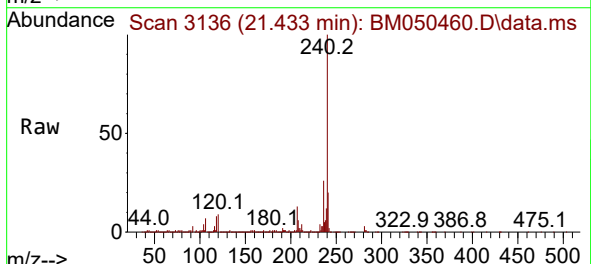
Instrument :
 BNA_M
 ClientSampleId :
 WC-A2-12-C

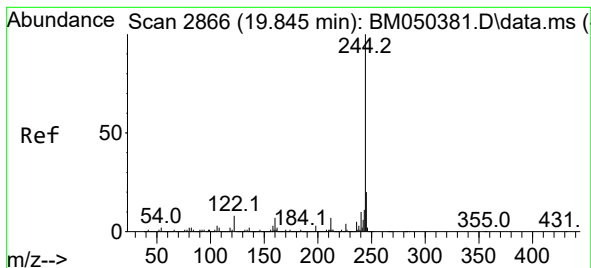
Tgt Ion:167 Resp: 349127
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.2 25.8
 139 11.9 9.9 14.9



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.433 min Scan# 3136
 Delta R.T. -0.023 min
 Lab File: BM050460.D
 Acq: 15 Jul 2025 18:11

Tgt Ion:240 Resp: 2529047
 Ion Ratio Lower Upper
 240 100
 120 9.4 6.7 10.1
 236 25.7 20.7 31.1





#79

Terphenyl-d14

Concen: 85.404 ng

RT: 19.827 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM050460.D

Acq: 15 Jul 2025 18:11

Instrument :

BNA_M

ClientSampleId :

WC-A2-12-C

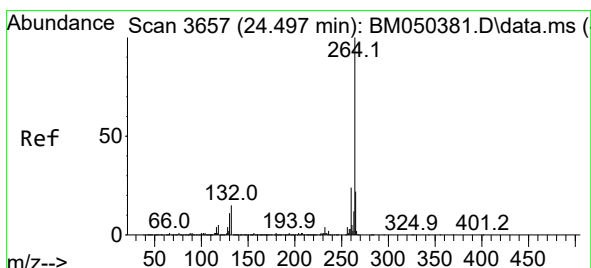
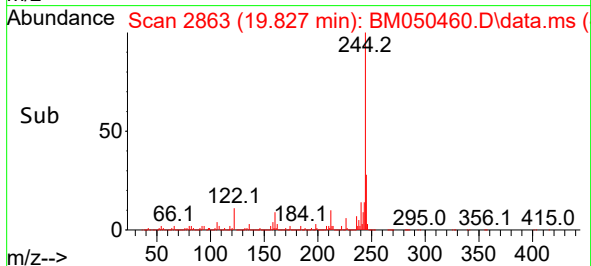
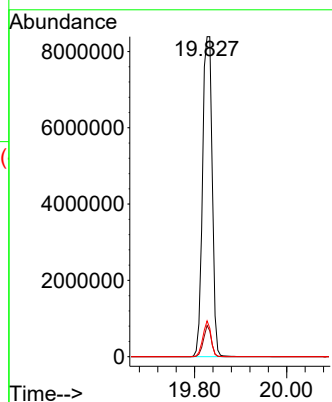
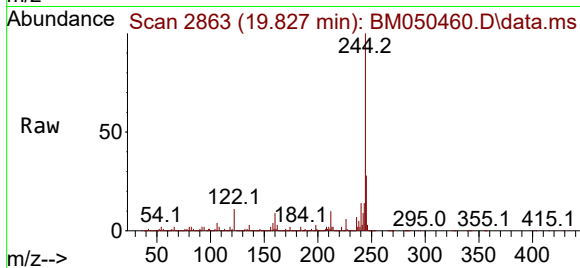
Tgt Ion:244 Resp:12275923

Ion Ratio Lower Upper

244 100

212 9.8 5.7 8.5#

122 11.2 6.2 9.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.462 min Scan# 3651

Delta R.T. -0.035 min

Lab File: BM050460.D

Acq: 15 Jul 2025 18:11

Tgt Ion:264 Resp: 2680110

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 22.0 17.8 26.6

