

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071525\
 Data File : BM050459.D
 Acq On : 15 Jul 2025 17:31
 Operator : RC/JU
 Sample : Q2578-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-A2-11-C

Quant Time: Jul 15 18:11:19 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)

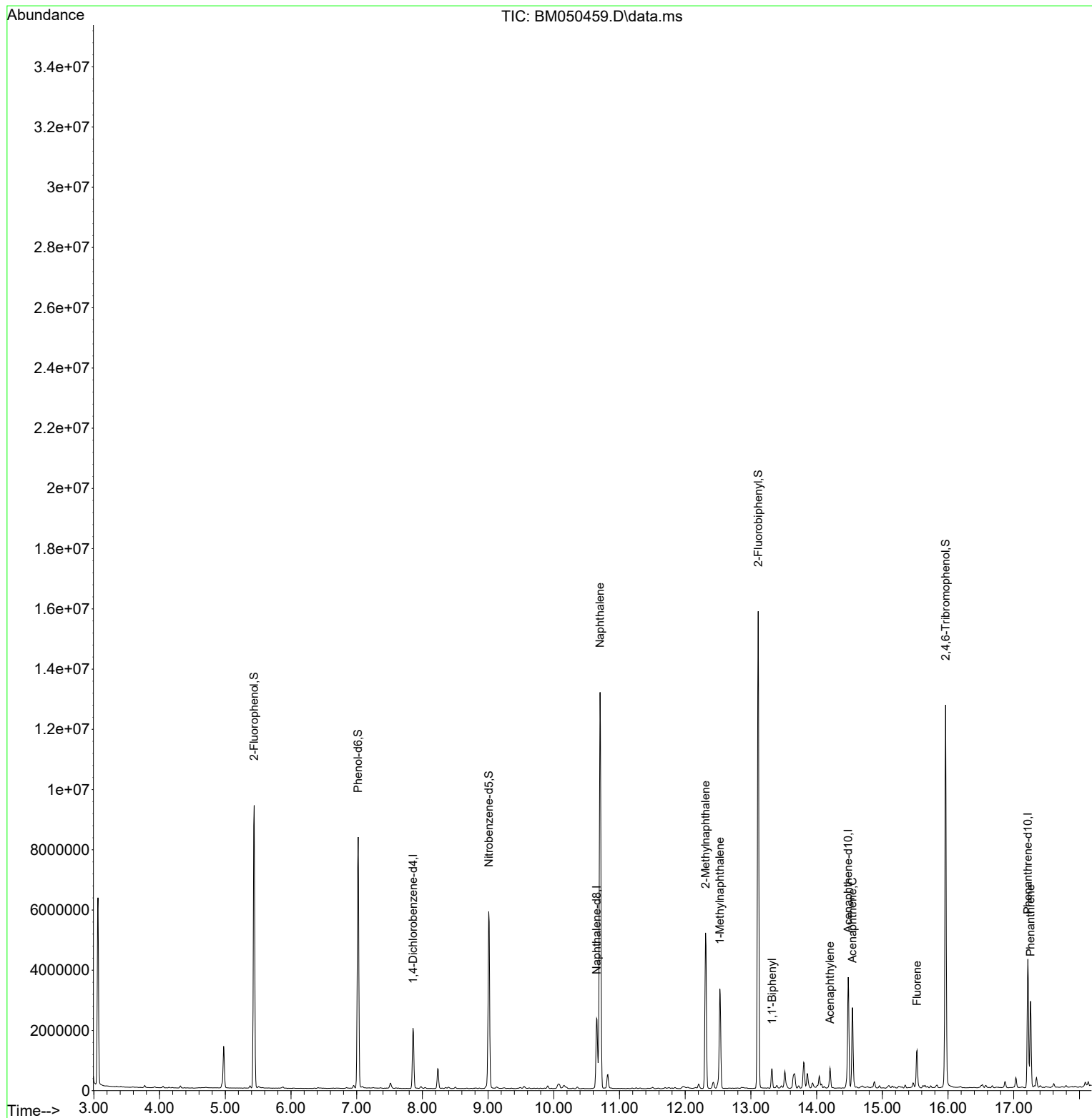
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	569786	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	2065135	20.000	ng	-0.01
39) Acenaphthene-d10	14.480	164	1312397	20.000	ng	-0.01
64) Phenanthrene-d10	17.215	188	2600052	20.000	ng	-0.01
76) Chrysene-d12	21.433	240	2621708	20.000	ng	-0.02
86) Perylene-d12	24.462	264	2809497	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	4118611	124.423	ng	0.00
7) Phenol-d6	7.022	99	4740613	113.607	ng	0.00
23) Nitrobenzene-d5	9.010	82	3300614	81.540	ng	-0.01
42) 2,4,6-Tribromophenol	15.963	330	2455051	153.963	ng	-0.01
45) 2-Fluorobiphenyl	13.110	172	8427848	79.304	ng	-0.01
79) Terphenyl-d14	19.827	244	12452716	83.572	ng	-0.02
Target Compounds						
						Qvalue
31) Naphthalene	10.704	128	11052806	105.371	ng	100
37) 2-Methylnaphthalene	12.310	142	2450535	37.000	ng	98
38) 1-Methylnaphthalene	12.527	142	1579746	22.538	ng	100
46) 1,1'-Biphenyl	13.322	154	350569	3.600	ng	100
49) Acenaphthylene	14.204	152	293812	2.504	ng	# 96
52) Acenaphthene	14.545	154	948637	12.718	ng	99
58) Fluorene	15.527	166	587845	6.210	ng	100
71) Phenanthrene	17.257	178	1752984	11.915	ng	99

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

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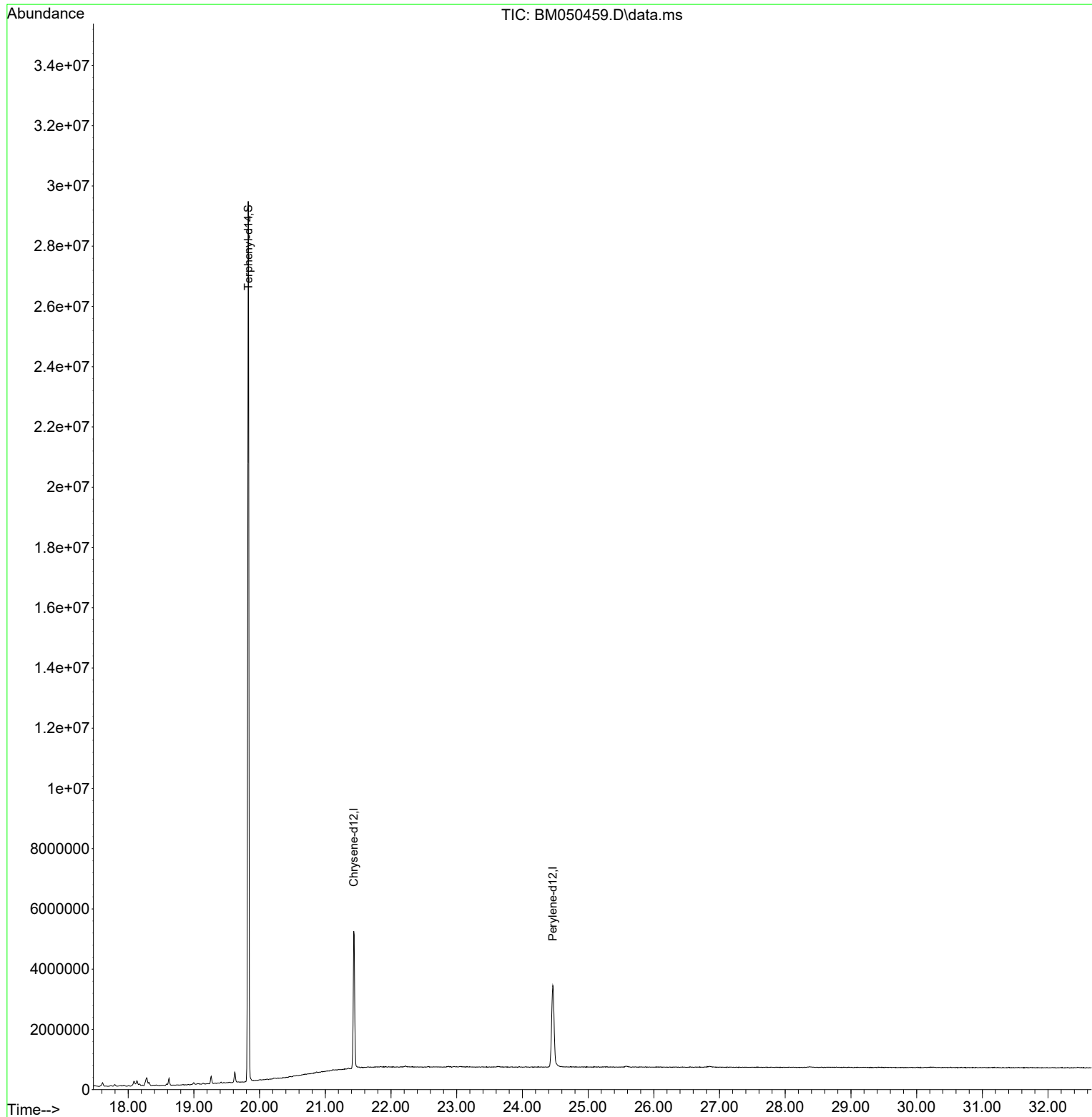
Quant Time: Jul 15 18:11:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

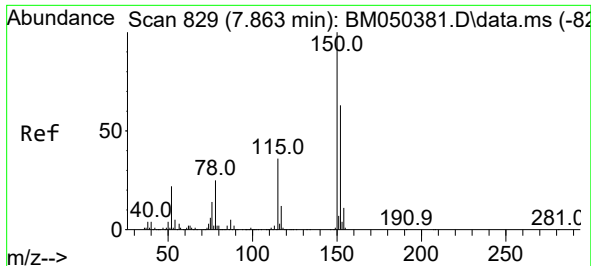


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071525\
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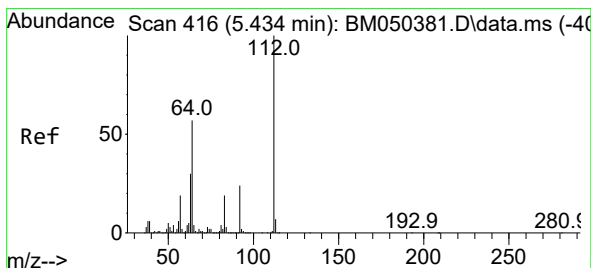
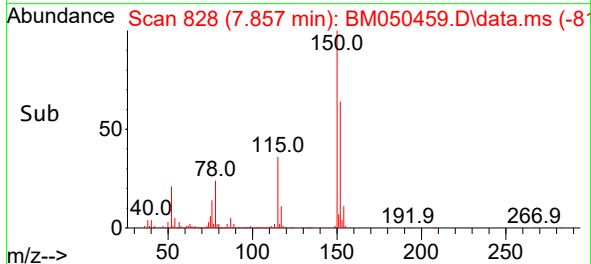
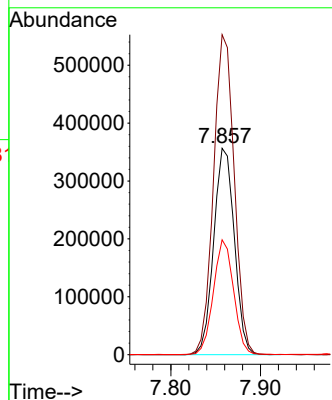
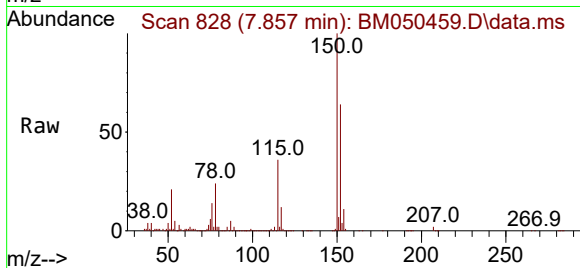




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050459.D
Acq: 15 Jul 2025 17:31

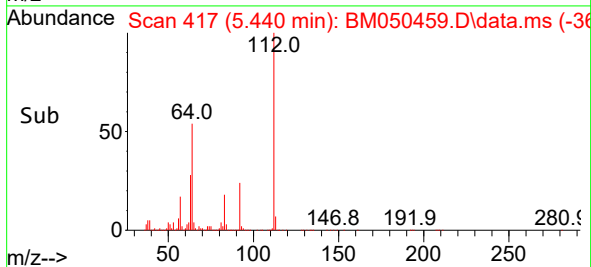
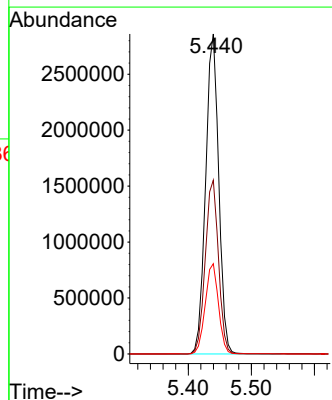
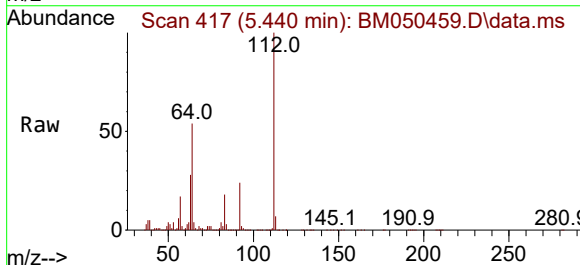
Instrument :
BNA_M
ClientSampleId :
WC-A2-11-C

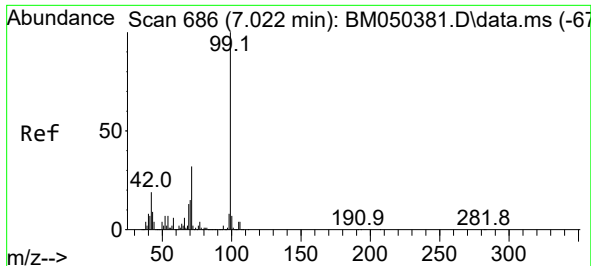
Tgt Ion:152 Resp: 569786
Ion Ratio Lower Upper
152 100
150 155.1 126.2 189.4
115 55.7 45.8 68.8



#5
2-Fluorophenol
Concen: 124.423 ng
RT: 5.440 min Scan# 417
Delta R.T. 0.006 min
Lab File: BM050459.D
Acq: 15 Jul 2025 17:31

Tgt Ion:112 Resp: 4118611
Ion Ratio Lower Upper
112 100
64 54.3 45.5 68.3
63 28.2 24.2 36.4

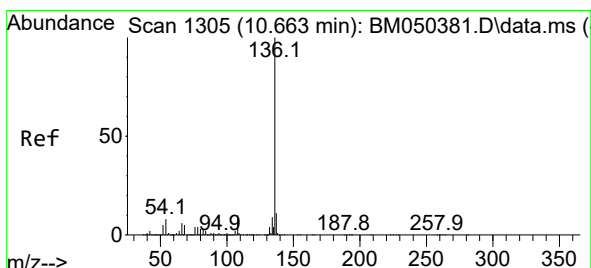
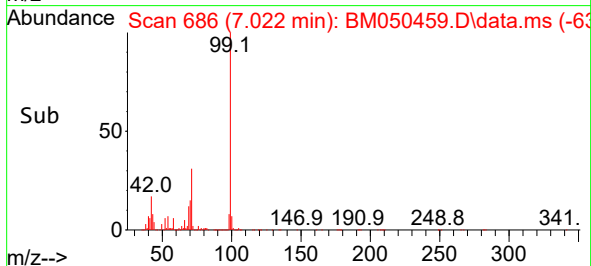
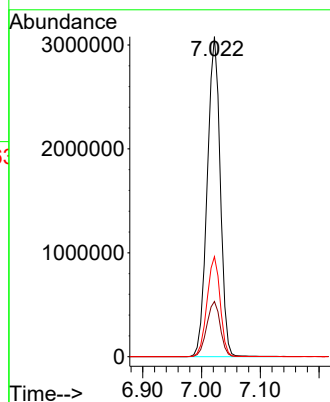
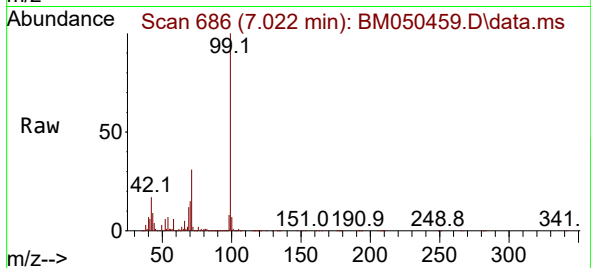




#7
Phenol-d6
Concen: 113.607 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050459.D
Acq: 15 Jul 2025 17:31

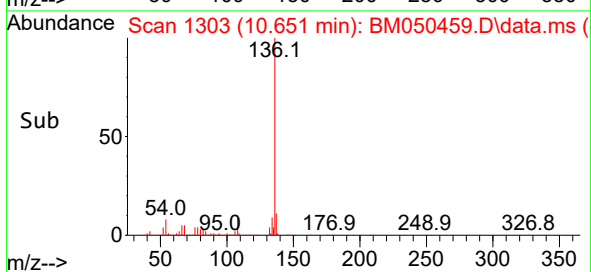
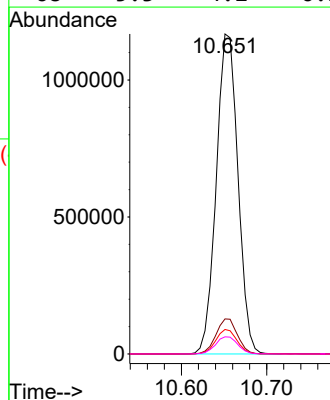
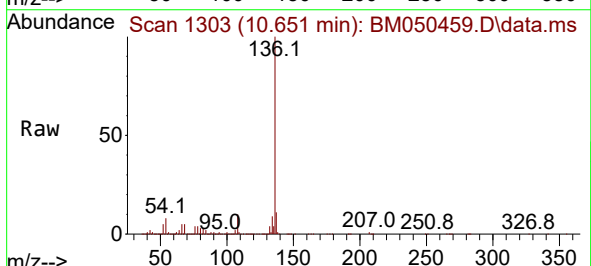
Instrument :
BNA_M
ClientSampleId :
WC-A2-11-C

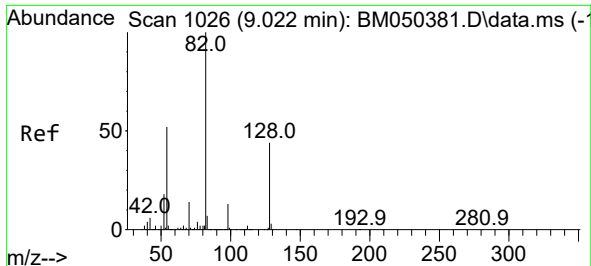
Tgt Ion: 99 Resp: 4740613
Ion Ratio Lower Upper
99 100
42 17.3 15.0 22.6
71 31.3 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BM050459.D
Acq: 15 Jul 2025 17:31

Tgt Ion:136 Resp: 2065135
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.7 6.3 9.5
68 5.3 4.2 6.2

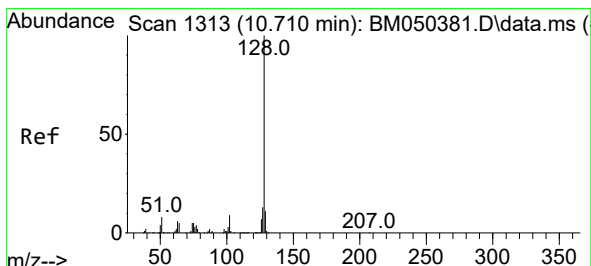
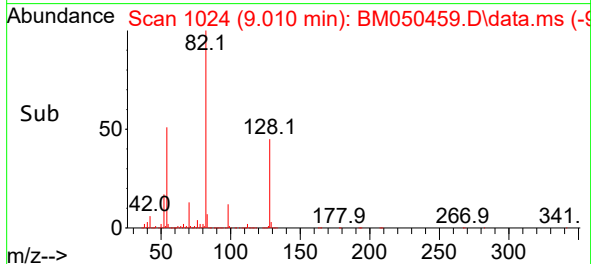
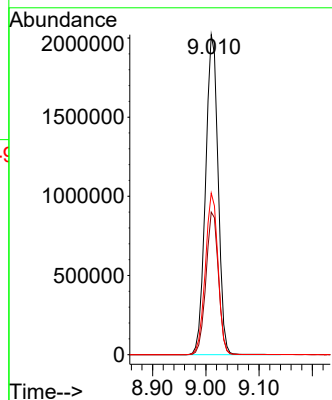
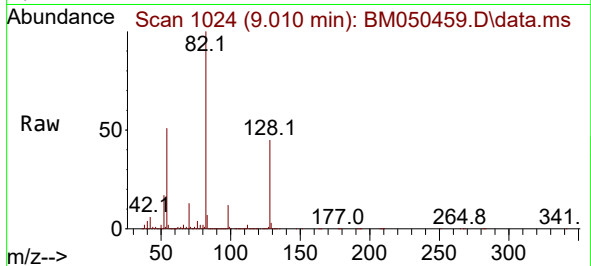




#23
Nitrobenzene-d5
Concen: 81.540 ng
RT: 9.010 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BM050459.D
Acq: 15 Jul 2025 17:31

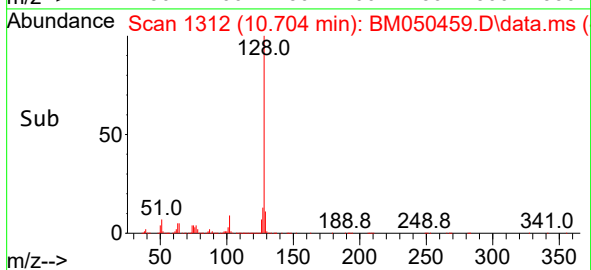
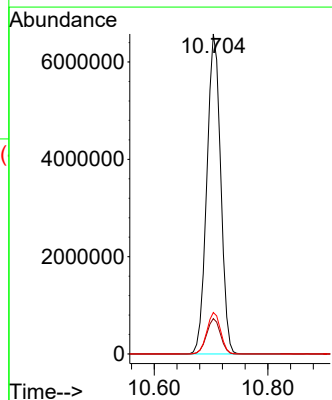
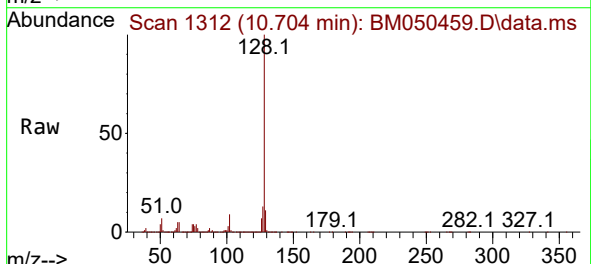
Instrument :
BNA_M
ClientSampleId :
WC-A2-11-C

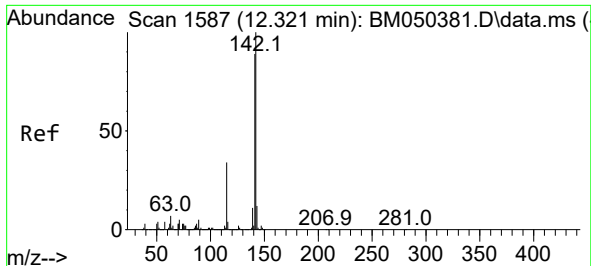
Tgt Ion: 82 Resp: 3300614
Ion Ratio Lower Upper
82 100
128 44.6 35.2 52.8
54 50.5 41.5 62.3



#31
Naphthalene
Concen: 105.371 ng
RT: 10.704 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BM050459.D
Acq: 15 Jul 2025 17:31

Tgt Ion: 128 Resp: 11052806
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 12.9 10.4 15.6





#37

2-Methylnaphthalene

Concen: 37.000 ng

RT: 12.310 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM050459.D

Acq: 15 Jul 2025 17:31

Instrument :

BNA_M

ClientSampleId :

WC-A2-11-C

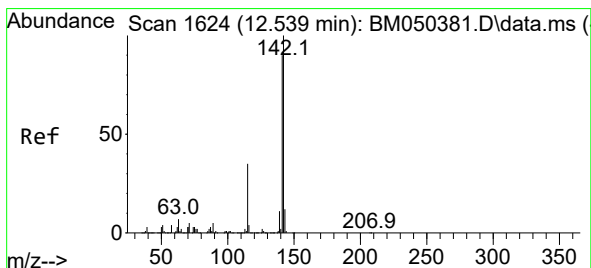
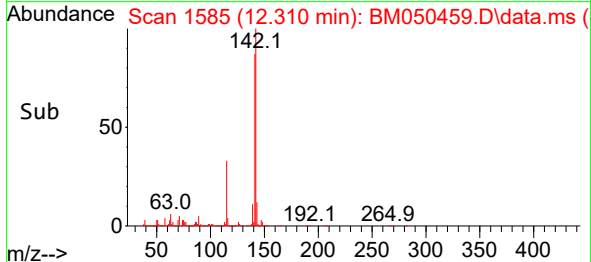
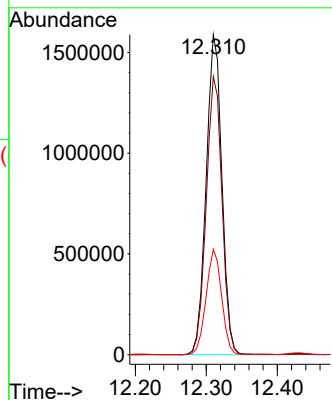
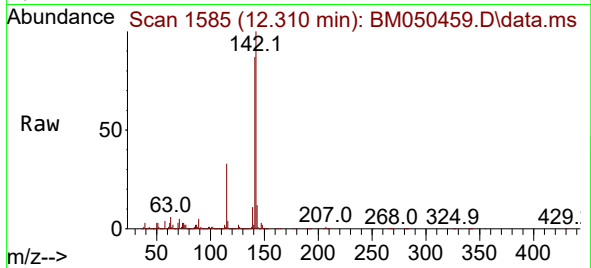
Tgt Ion:142 Resp: 2450535

Ion Ratio Lower Upper

142 100

141 87.0 70.8 106.2

115 33.0 27.0 40.4



#38

1-Methylnaphthalene

Concen: 22.538 ng

RT: 12.527 min Scan# 1622

Delta R.T. -0.012 min

Lab File: BM050459.D

Acq: 15 Jul 2025 17:31

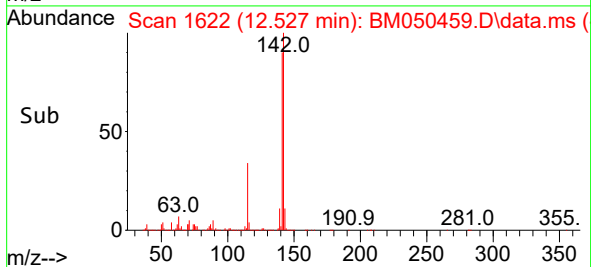
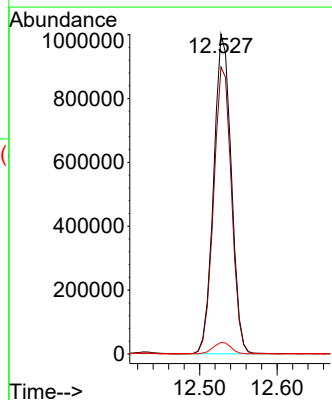
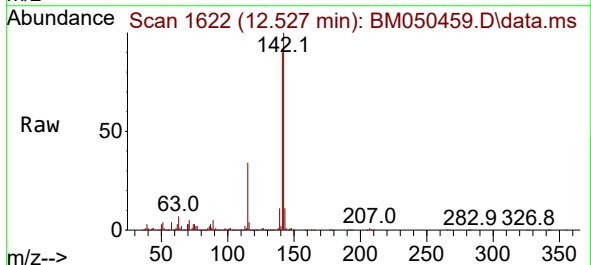
Tgt Ion:142 Resp: 1579746

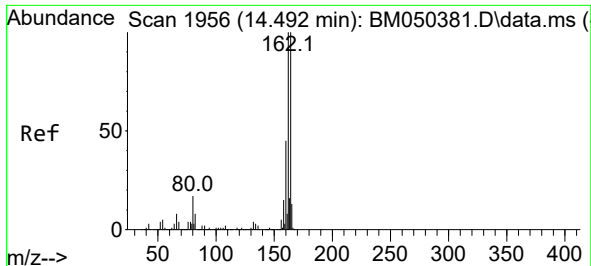
Ion Ratio Lower Upper

142 100

141 89.7 71.9 107.9

116 3.6 3.0 4.6

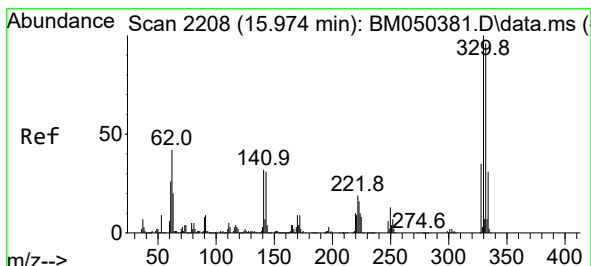
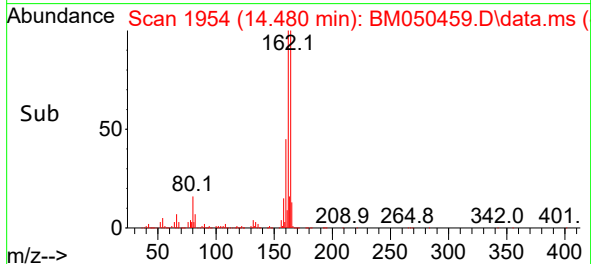
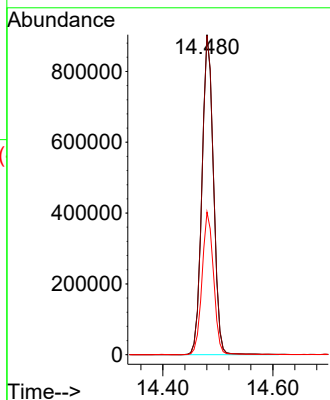
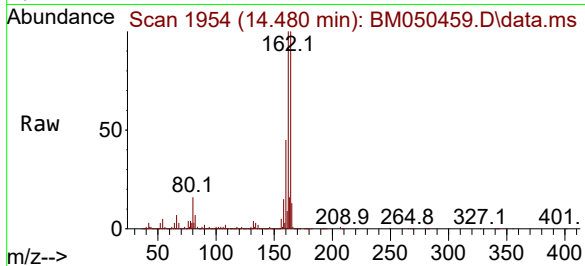




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1954
Delta R.T. -0.012 min
Lab File: BM050459.D
Acq: 15 Jul 2025 17:31

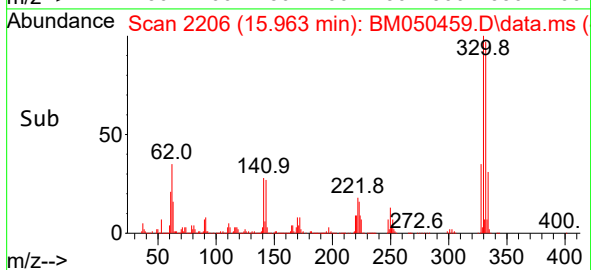
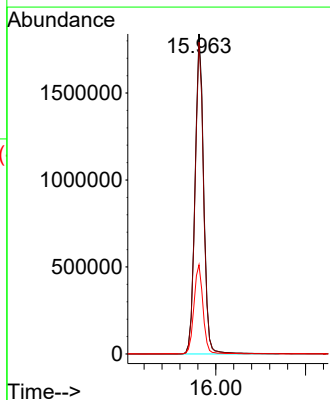
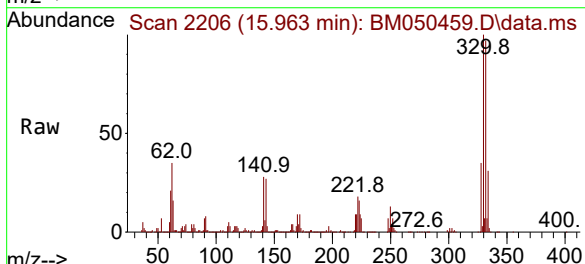
Instrument :
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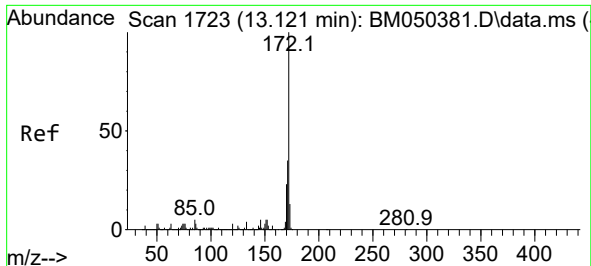
Tgt Ion:164 Resp: 1312397
Ion Ratio Lower Upper
164 100
162 99.7 79.9 119.9
160 44.5 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 153.963 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BM050459.D
Acq: 15 Jul 2025 17:31

Tgt Ion:330 Resp: 2455051
Ion Ratio Lower Upper
330 100
332 96.6 76.9 115.3
141 29.2 27.4 41.0

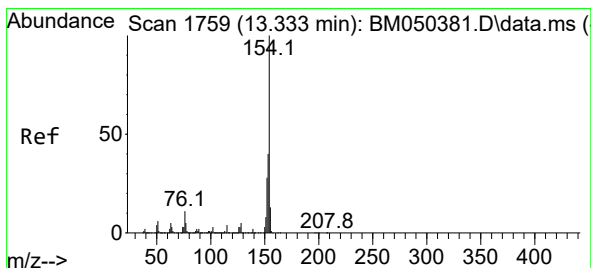
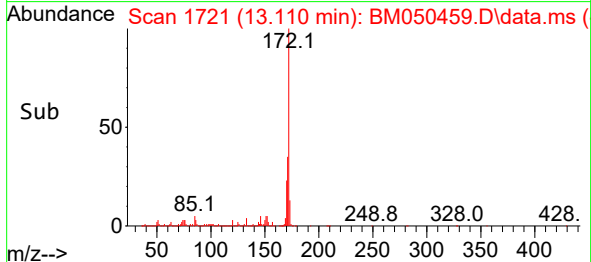
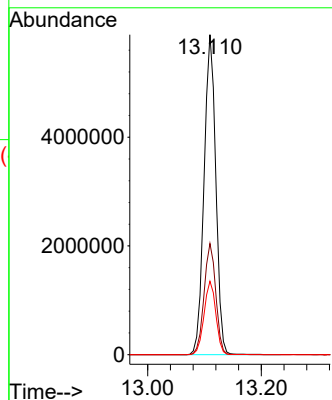
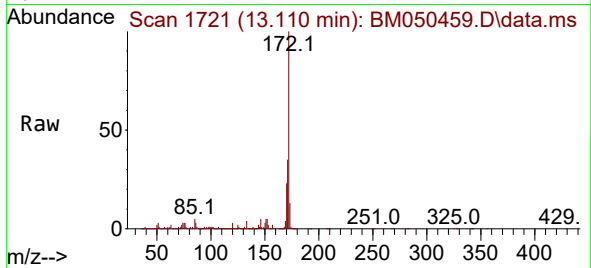




#45
2-Fluorobiphenyl
Concen: 79.304 ng
RT: 13.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM050459.D
Acq: 15 Jul 2025 17:31

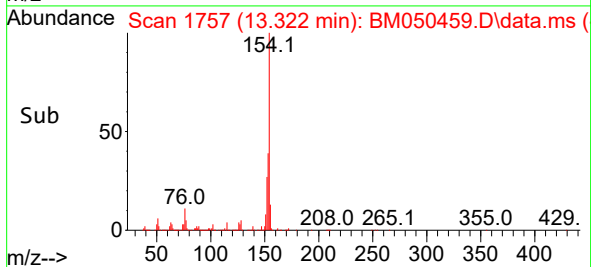
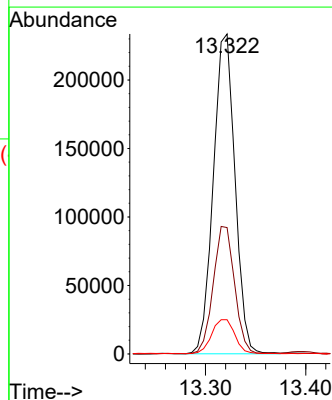
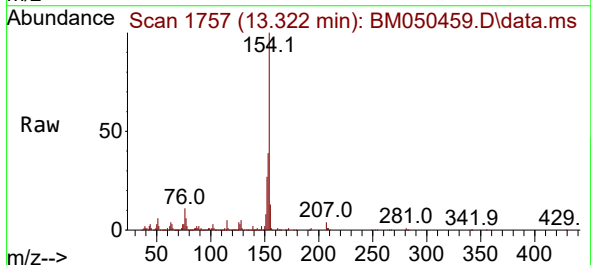
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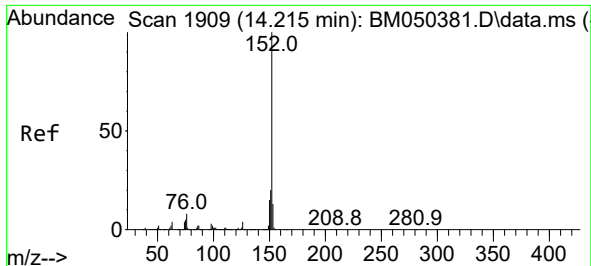
Tgt Ion:172 Resp: 8427848
Ion Ratio Lower Upper
172 100
171 34.8 27.7 41.5
170 22.9 18.8 28.2



#46
1,1'-Biphenyl
Concen: 3.600 ng
RT: 13.322 min Scan# 1757
Delta R.T. -0.012 min
Lab File: BM050459.D
Acq: 15 Jul 2025 17:31

Tgt Ion:154 Resp: 350569
Ion Ratio Lower Upper
154 100
153 39.5 19.7 59.7
76 10.7 0.0 30.9

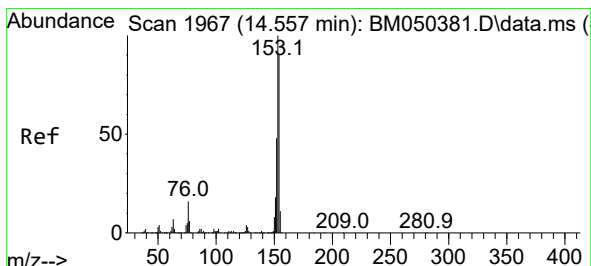
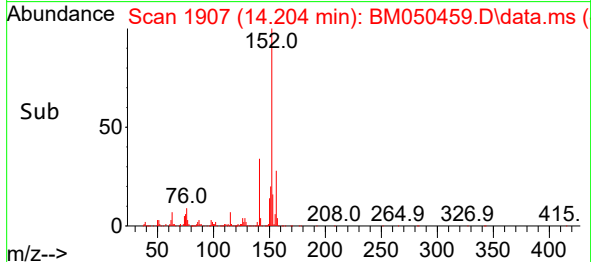
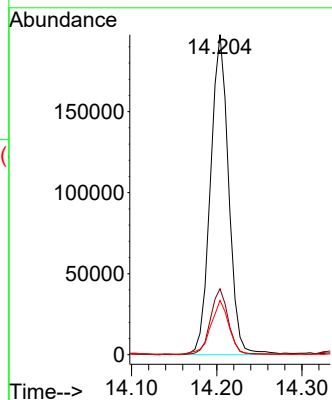
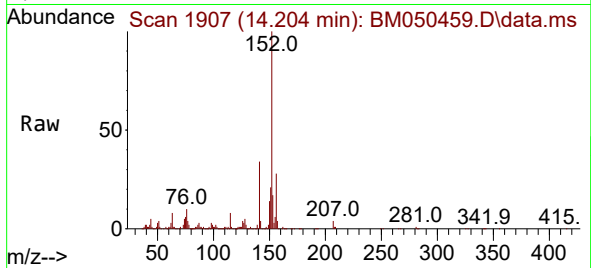




#49
Acenaphthylene
Concen: 2.504 ng
RT: 14.204 min Scan# 1907
Delta R.T. -0.012 min
Lab File: BM050459.D
Acq: 15 Jul 2025 17:31

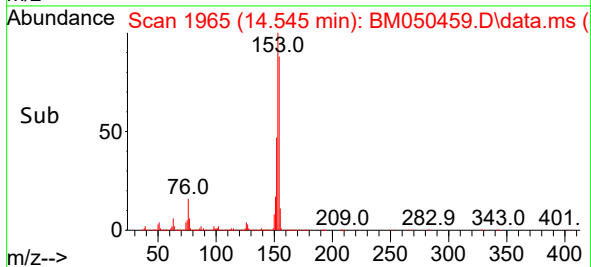
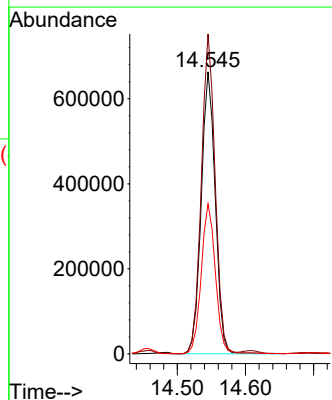
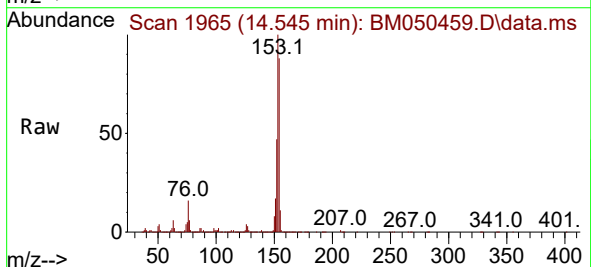
Instrument :
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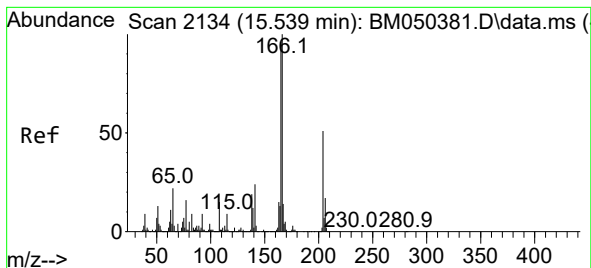
Tgt Ion:152 Resp: 293812
Ion Ratio Lower Upper
152 100
151 20.6 16.3 24.5
153 16.9 10.6 15.8#



#52
Acenaphthene
Concen: 12.718 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.012 min
Lab File: BM050459.D
Acq: 15 Jul 2025 17:31

Tgt Ion:154 Resp: 948637
Ion Ratio Lower Upper
154 100
153 113.5 89.2 133.8
152 53.2 42.6 64.0





#58

Fluorene

Concen: 6.210 ng

RT: 15.527 min Scan# 2132

Delta R.T. -0.012 min

Lab File: BM050459.D

Acq: 15 Jul 2025 17:31

Instrument :

BNA_M

ClientSampleId :

WC-A2-11-C

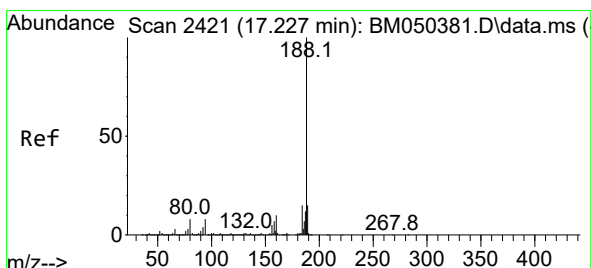
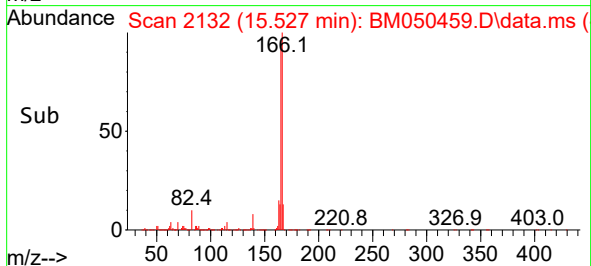
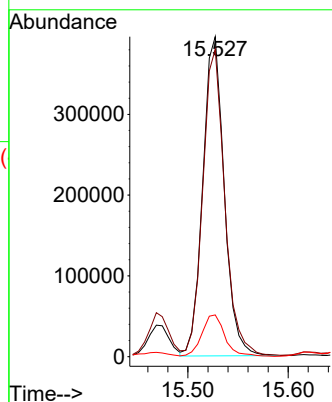
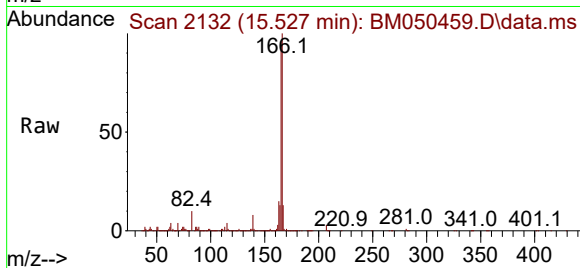
Tgt Ion:166 Resp: 587845

Ion Ratio Lower Upper

166 100

165 96.0 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: BM050459.D

Acq: 15 Jul 2025 17:31

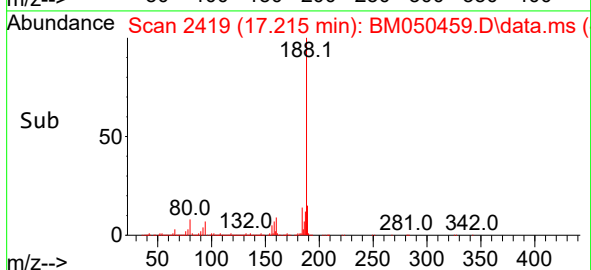
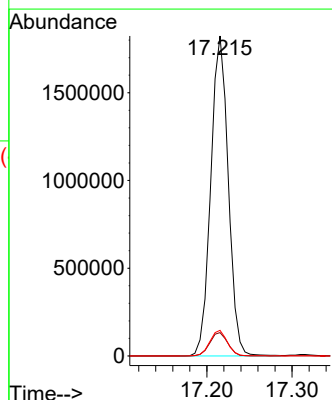
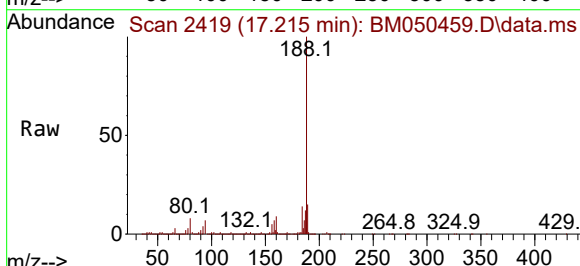
Tgt Ion:188 Resp: 2600052

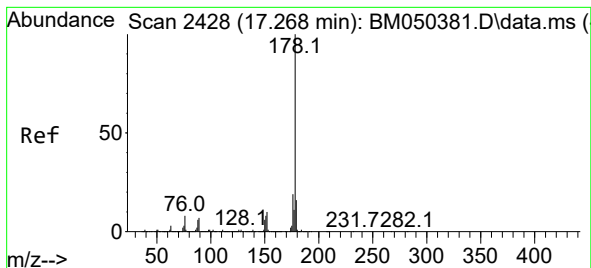
Ion Ratio Lower Upper

188 100

94 7.3 6.0 9.0

80 8.0 6.5 9.7





#71

Phenanthrene

Concen: 11.915 ng

RT: 17.257 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM050459.D

Acq: 15 Jul 2025 17:31

Instrument :

BNA_M

ClientSampleId :

WC-A2-11-C

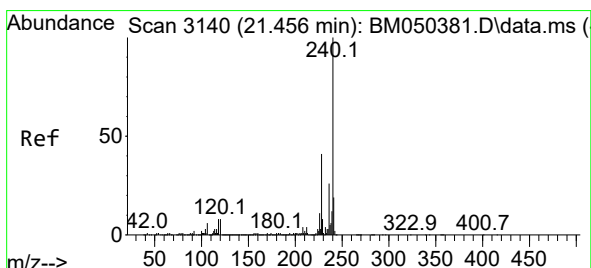
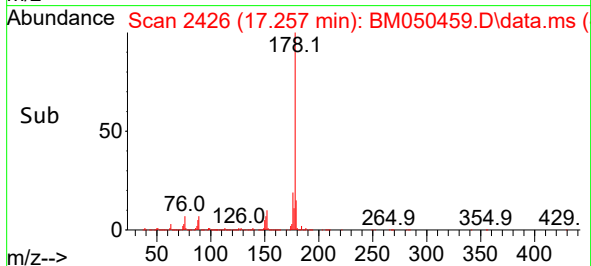
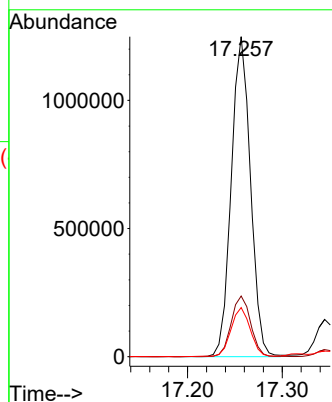
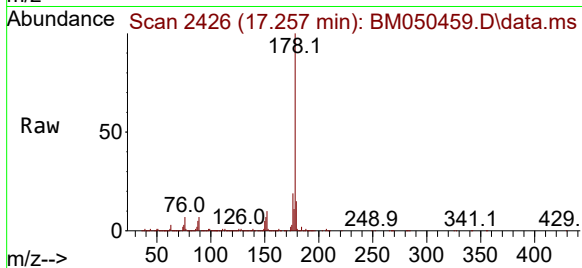
Tgt Ion:178 Resp: 1752984

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 15.3 12.5 18.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.433 min Scan# 3136

Delta R.T. -0.023 min

Lab File: BM050459.D

Acq: 15 Jul 2025 17:31

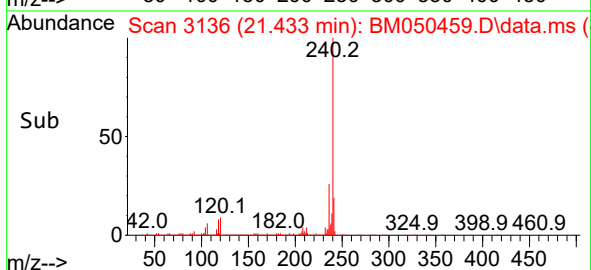
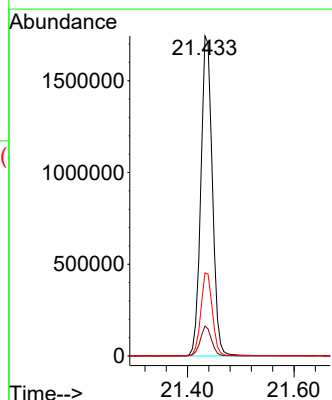
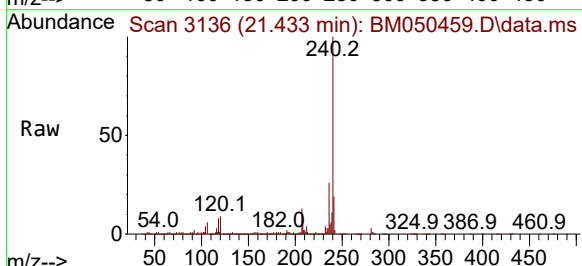
Tgt Ion:240 Resp: 2621708

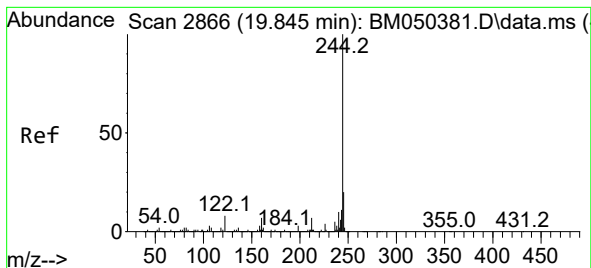
Ion Ratio Lower Upper

240 100

120 9.4 6.7 10.1

236 26.0 20.7 31.1





#79

Terphenyl-d14

Concen: 83.572 ng

RT: 19.827 min Scan# 2

Delta R.T. -0.018 min

Lab File: BM050459.D

Acq: 15 Jul 2025 17:31

Instrument :

BNA_M

ClientSampleId :

WC-A2-11-C

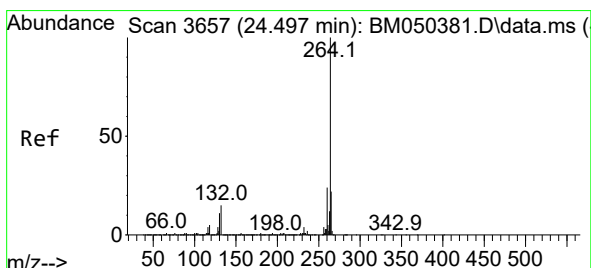
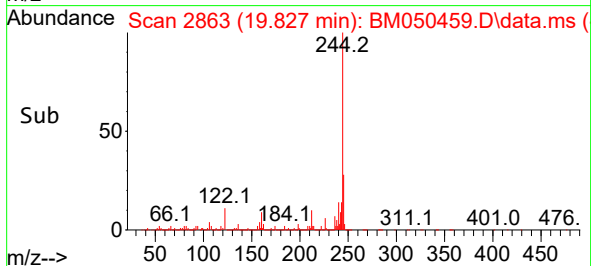
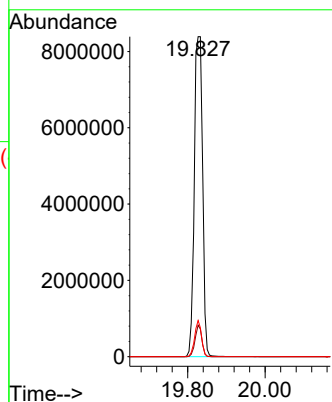
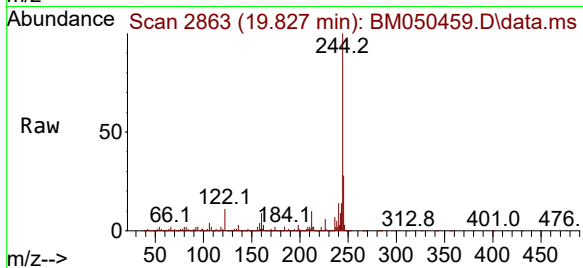
Tgt Ion:244 Resp:12452716

Ion Ratio Lower Upper

244 100

212 9.8 5.7 8.5#

122 11.3 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: BM050459.D

Acq: 15 Jul 2025 17:31

Tgt Ion:264 Resp: 2809497

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 22.1 17.8 26.6

