

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
 Data File : BM050252.D
 Acq On : 09 Jun 2025 21:38
 Operator : RC/JU
 Sample : Q2235-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 10 01:27:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 09 11:54:38 2025
 Response via : Initial Calibration

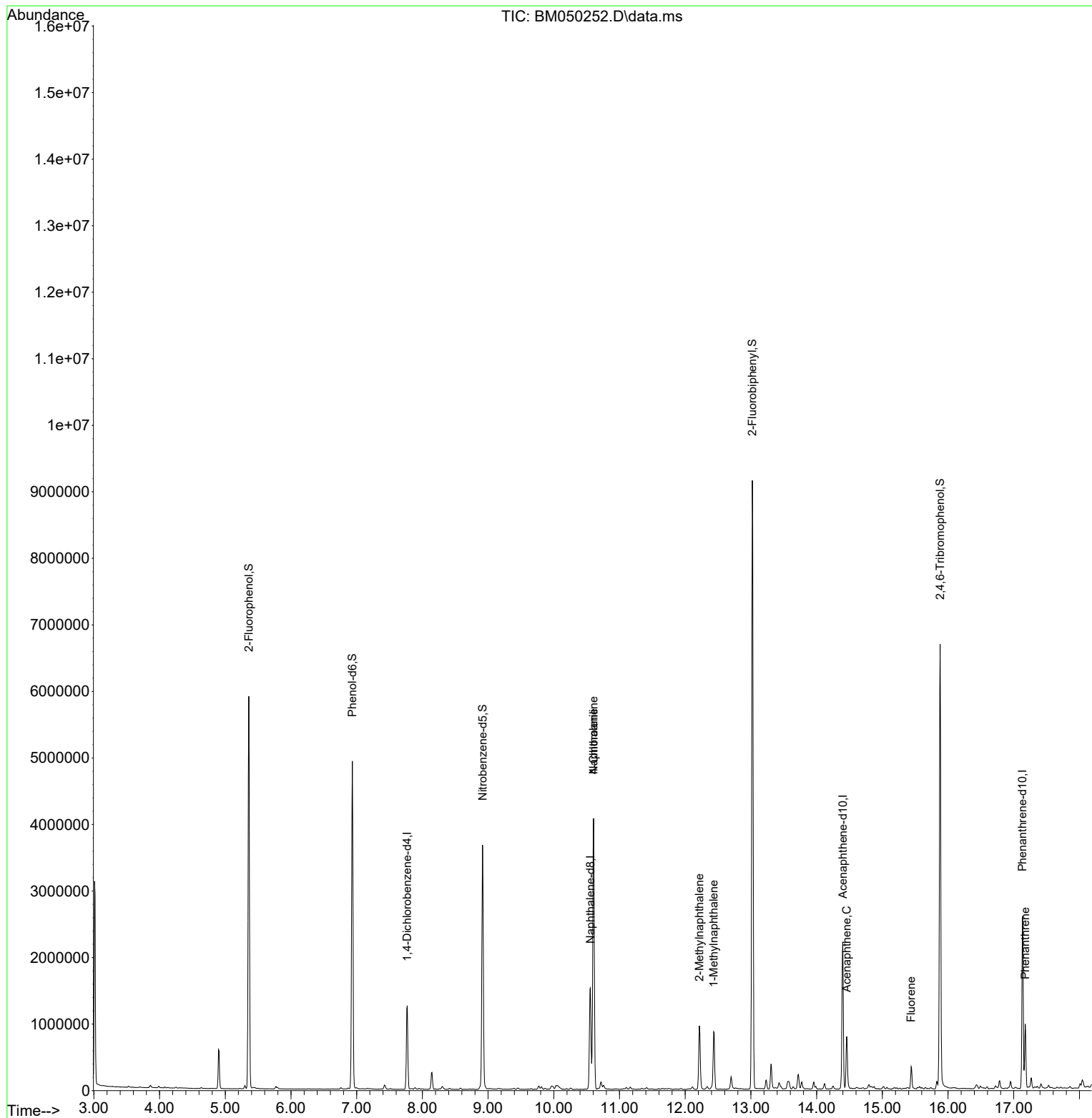
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	352597	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	1338865	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	764097	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1438553	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1432142	20.000	ng	-0.01
86) Perylene-d12	24.338	264	1513341	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2773714	131.225	ng	0.00
7) Phenol-d6	6.934	99	3153933	113.349	ng	0.00
23) Nitrobenzene-d5	8.916	82	2285445	88.778	ng	0.00
42) 2,4,6-Tribromophenol	15.880	330	1299976	149.576	ng	0.00
45) 2-Fluorobiphenyl	13.022	172	4820769	85.416	ng	0.00
79) Terphenyl-d14	19.768	244	6533250	86.449	ng	0.00
Target Compounds						
31) Naphthalene	10.604	128	3443997	49.753	ng	99
33) 4-Chloroaniline	10.604	127	439361	14.888	ng	# 33
37) 2-Methylnaphthalene	12.216	142	446244	10.686	ng	98
38) 1-Methylnaphthalene	12.433	142	415414	9.372	ng	99
52) Acenaphthene	14.457	154	283227	6.294	ng	98
58) Fluorene	15.439	166	143536	2.847	ng	97
71) Phenanthrene	17.174	178	552337	6.721	ng	98

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

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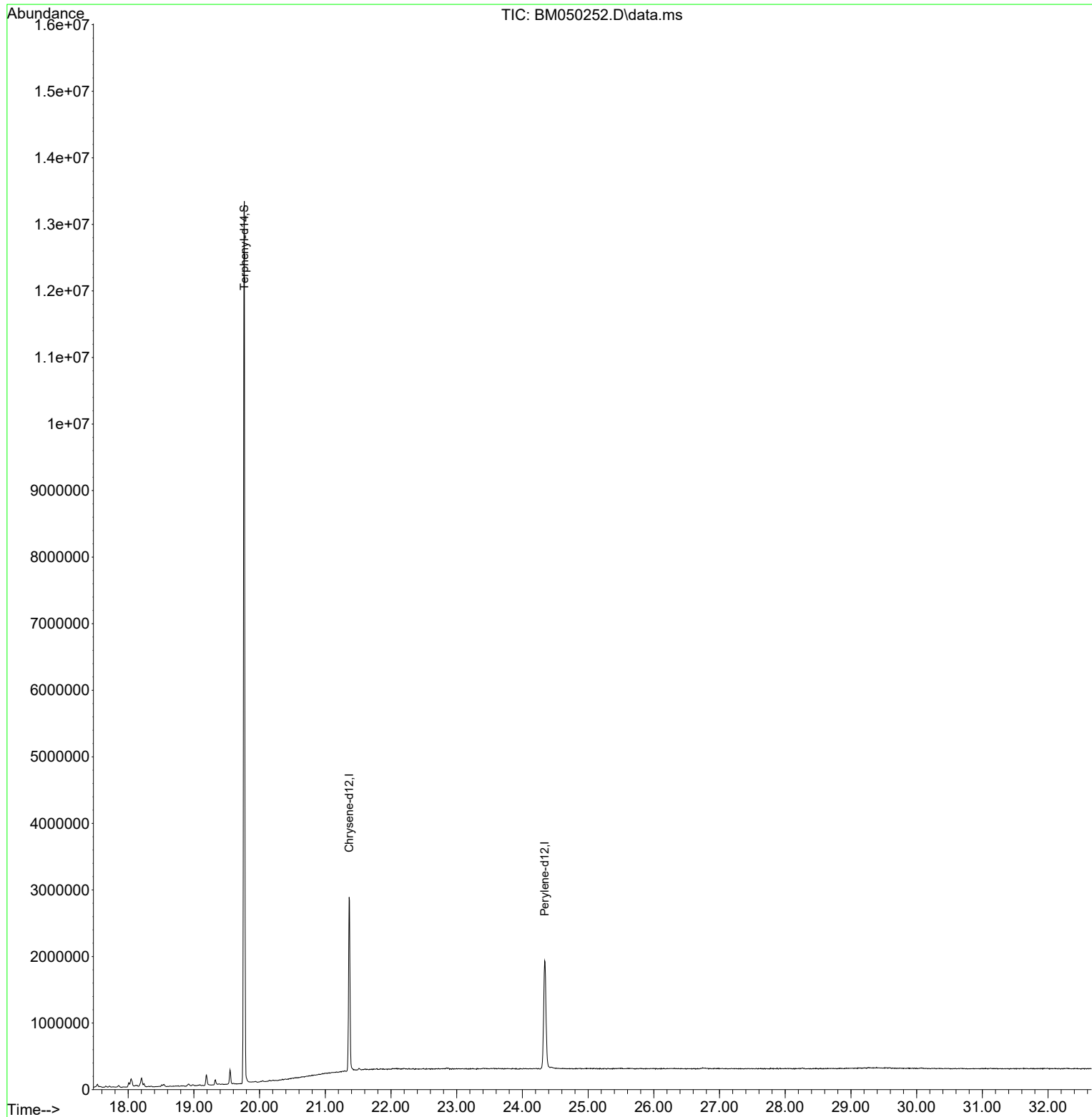
Quant Time: Jun 10 01:27:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

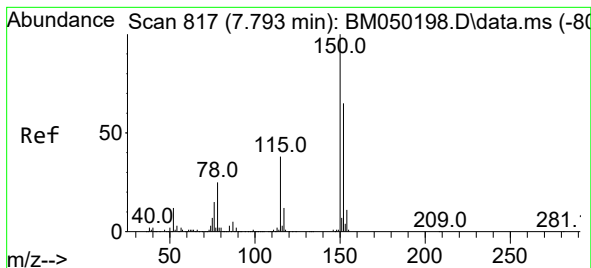


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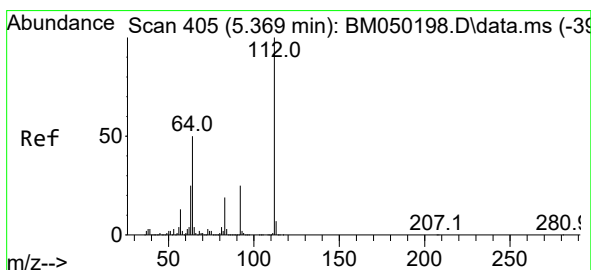
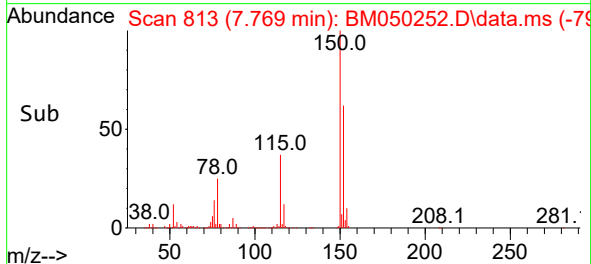
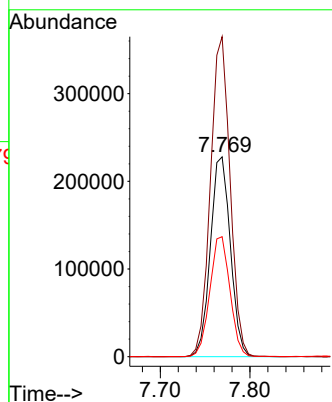
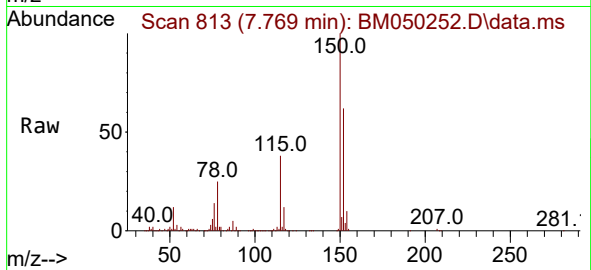




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 817
Delta R.T. -0.000 min
Lab File: BM050252.D
Acq: 09 Jun 2025 21:38

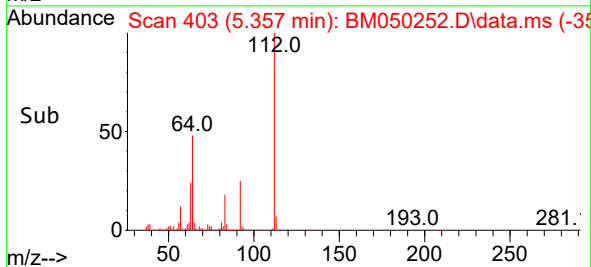
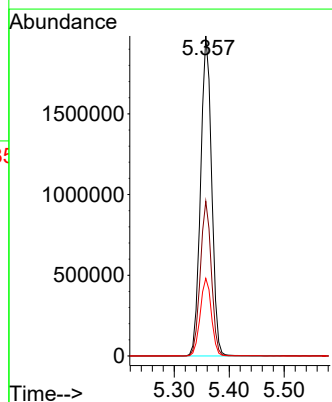
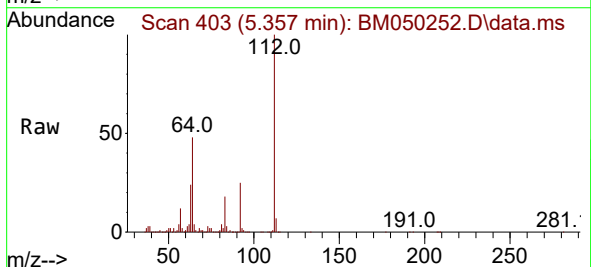
Instrument :
BNA_M
ClientSampleId :

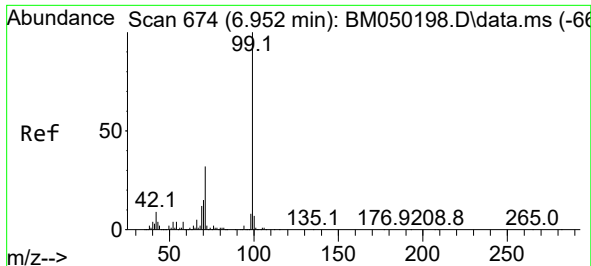
Tgt Ion:152 Resp: 352597
Ion Ratio Lower Upper
152 100
150 160.2 122.2 183.4
115 60.1 46.3 69.5



#5
2-Fluorophenol
Concen: 131.225 ng
RT: 5.357 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050252.D
Acq: 09 Jun 2025 21:38

Tgt Ion:112 Resp: 2773714
Ion Ratio Lower Upper
112 100
64 48.4 39.8 59.6
63 24.3 19.8 29.8

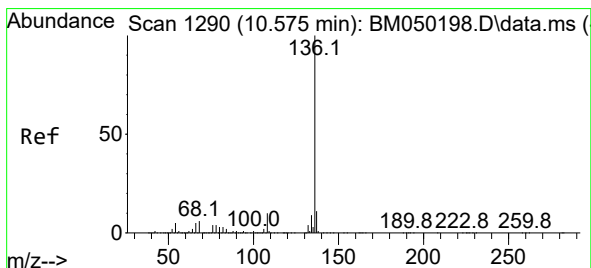
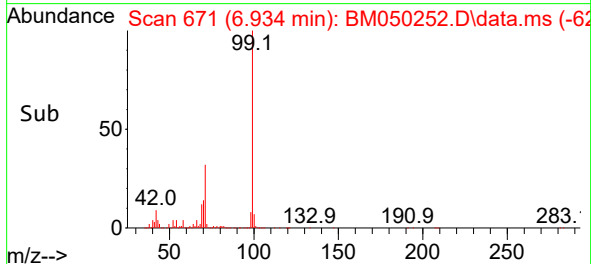
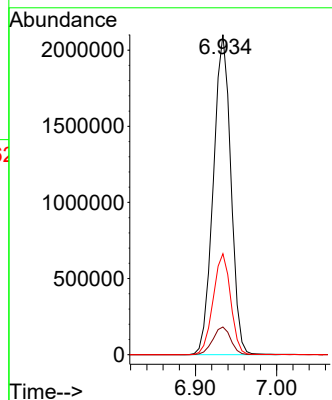
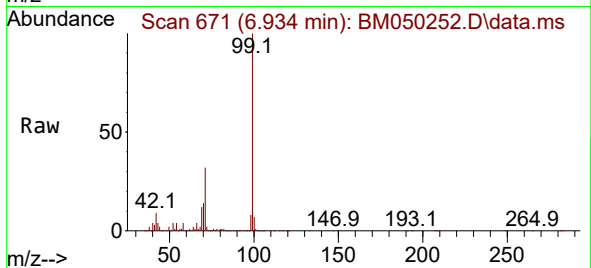




#7
Phenol-d6
Concen: 113.349 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM050252.D
Acq: 09 Jun 2025 21:38

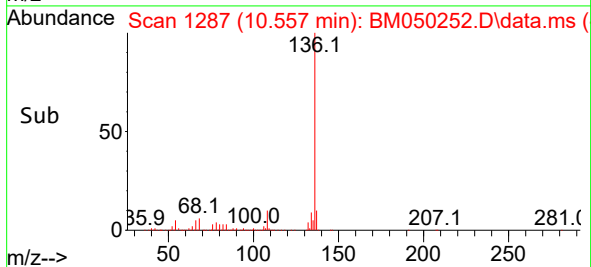
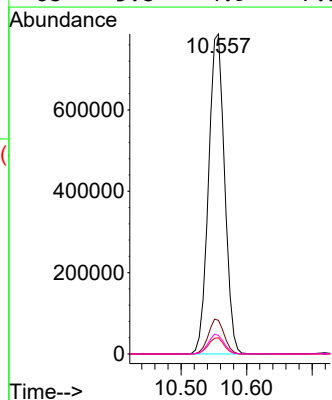
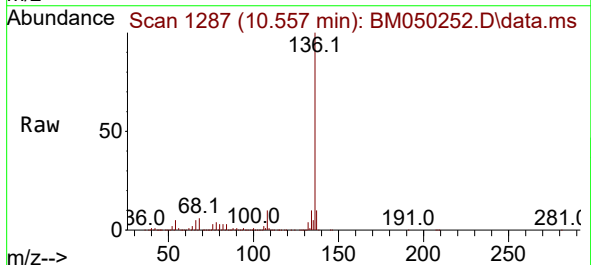
Instrument :
BNA_M
ClientSampleId :

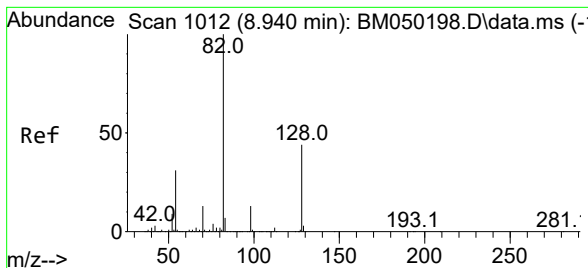
Tgt Ion: 99 Resp: 3153933
Ion Ratio Lower Upper
99 100
42 8.7 6.9 10.3
71 31.6 25.3 37.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. 0.000 min
Lab File: BM050252.D
Acq: 09 Jun 2025 21:38

Tgt Ion: 136 Resp: 1338865
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 5.1 3.8 5.8
68 5.8 4.9 7.3

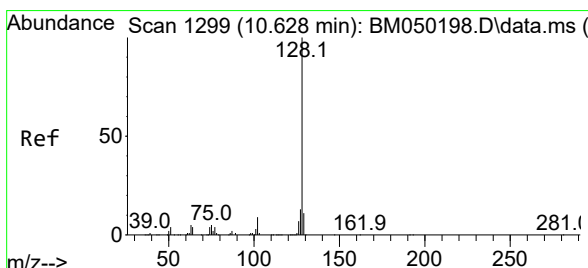
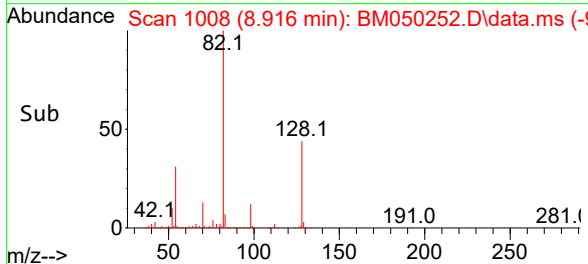
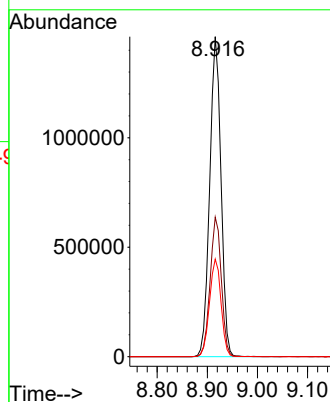
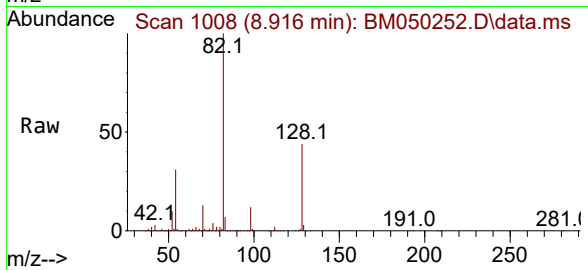




#23
Nitrobenzene-d5
Concen: 88.778 ng
RT: 8.916 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BM050252.D
Acq: 09 Jun 2025 21:38

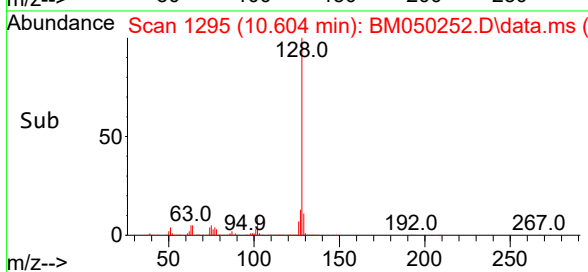
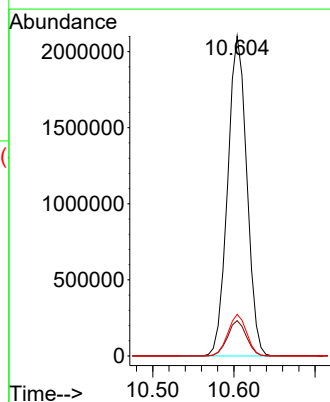
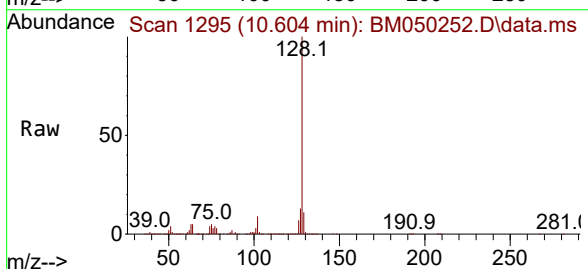
Instrument :
BNA_M
ClientSampleId :

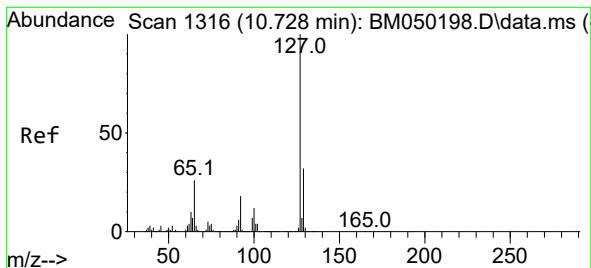
Tgt Ion: 82 Resp: 2285445
Ion Ratio Lower Upper
82 100
128 43.6 35.2 52.8
54 30.5 24.5 36.7



#31
Naphthalene
Concen: 49.753 ng
RT: 10.604 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BM050252.D
Acq: 09 Jun 2025 21:38

Tgt Ion: 128 Resp: 3443997
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 13.0 10.2 15.4





#33

4-Chloroaniline

Concen: 14.888 ng

RT: 10.604 min Scan# 1

Delta R.T. -0.106 min

Lab File: BM050252.D

Acq: 09 Jun 2025 21:38

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:127 Resp: 439361

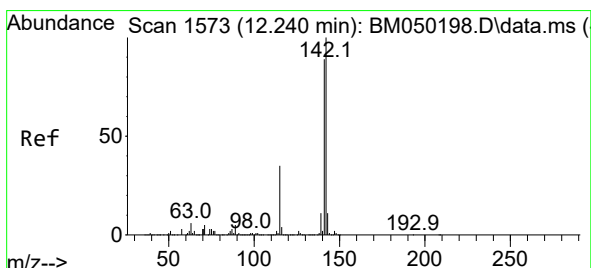
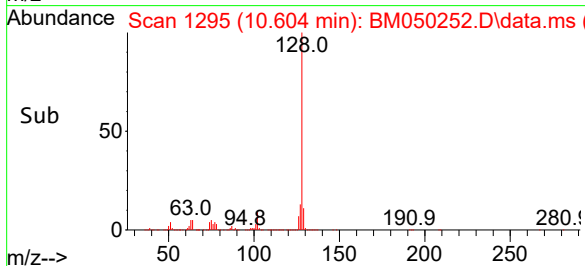
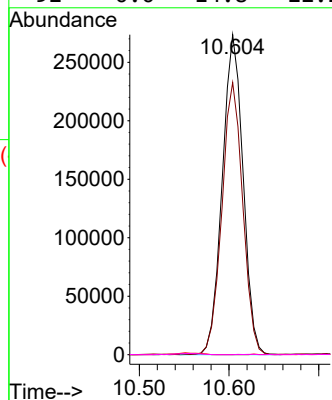
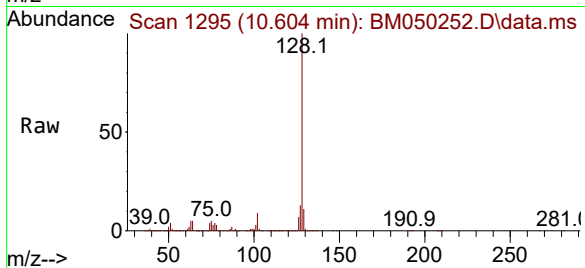
Ion Ratio Lower Upper

127 100

129 85.1 25.4 38.0#

65 0.0 21.0 31.4#

92 0.0 14.8 22.2#



#37

2-Methylnaphthalene

Concen: 10.686 ng

RT: 12.216 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BM050252.D

Acq: 09 Jun 2025 21:38

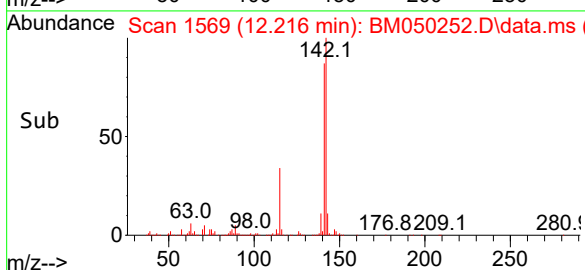
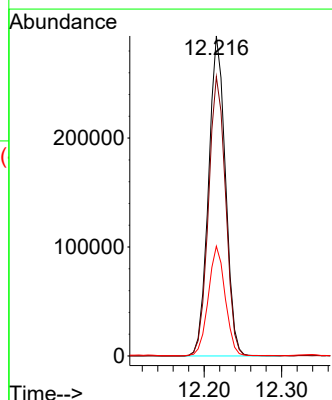
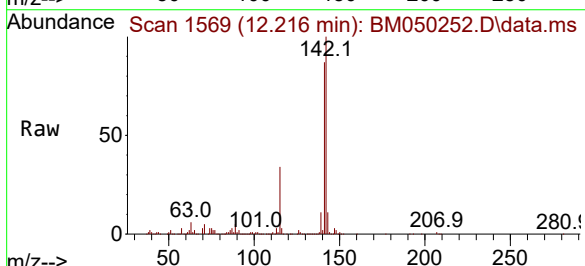
Tgt Ion:142 Resp: 446244

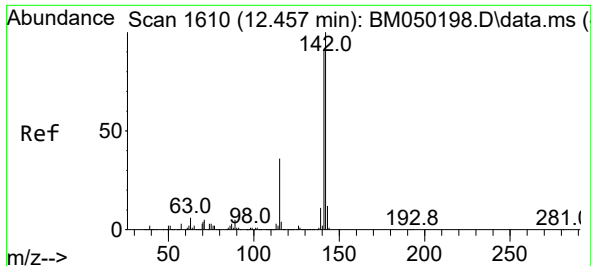
Ion Ratio Lower Upper

142 100

141 87.2 71.5 107.3

115 34.3 27.8 41.8

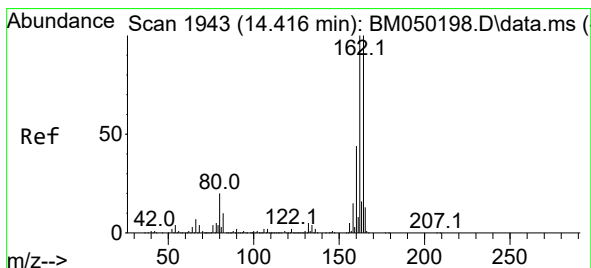
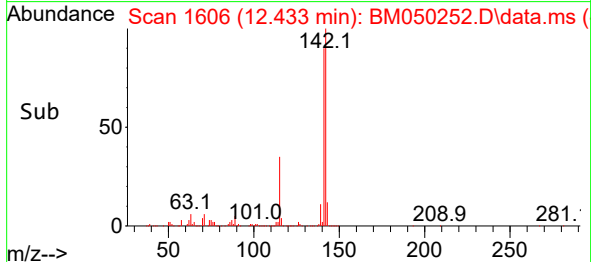
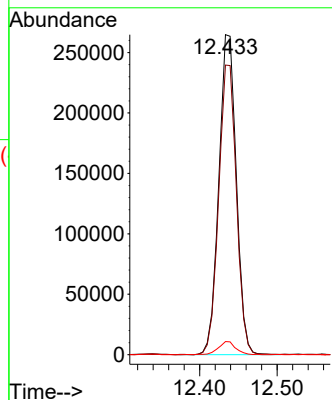
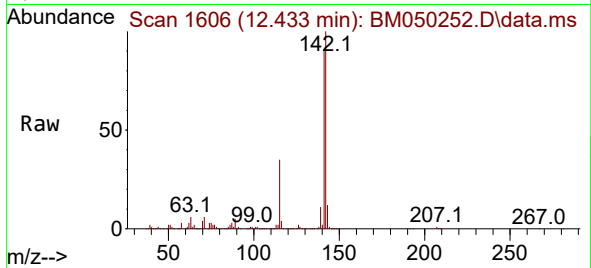




#38
1-Methylnaphthalene
Concen: 9.372 ng
RT: 12.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050252.D
Acq: 09 Jun 2025 21:38

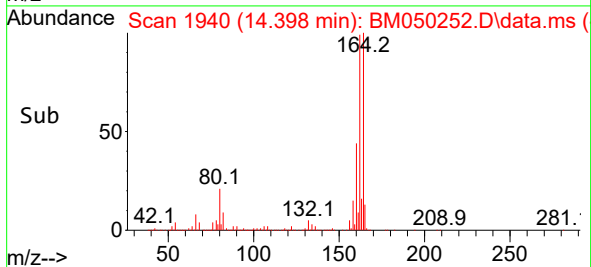
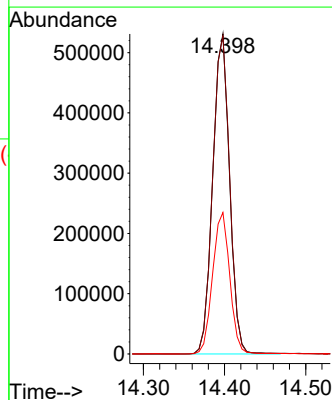
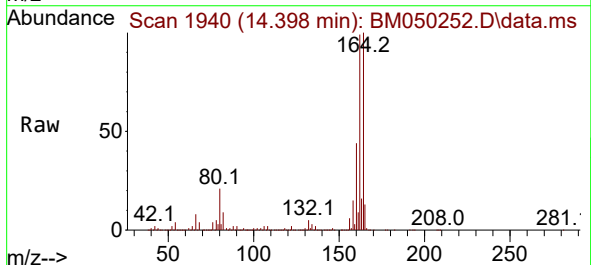
Instrument :
BNA_M
ClientSampleId :

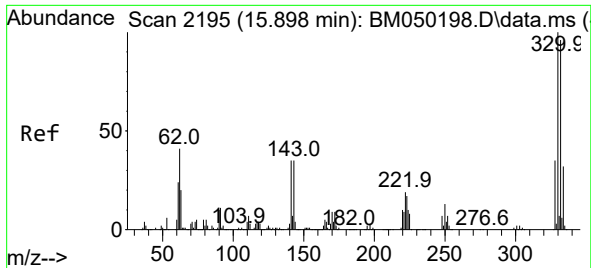
Tgt Ion:142 Resp: 415414
Ion Ratio Lower Upper
142 100
141 90.5 72.9 109.3
116 4.1 3.0 4.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM050252.D
Acq: 09 Jun 2025 21:38

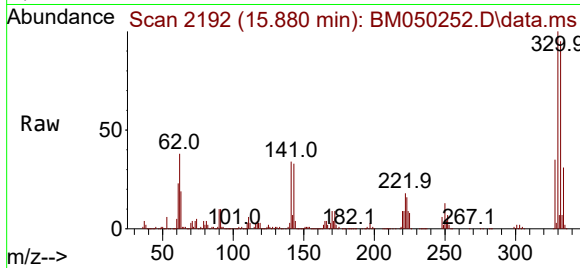
Tgt Ion:164 Resp: 764097
Ion Ratio Lower Upper
164 100
162 99.4 80.2 120.4
160 44.2 35.7 53.5



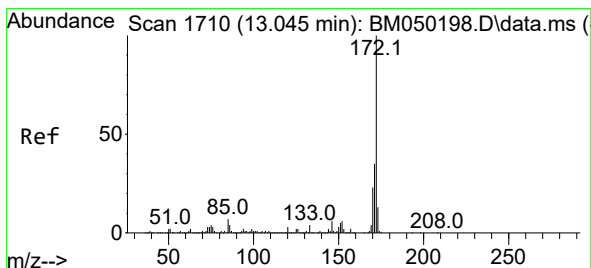
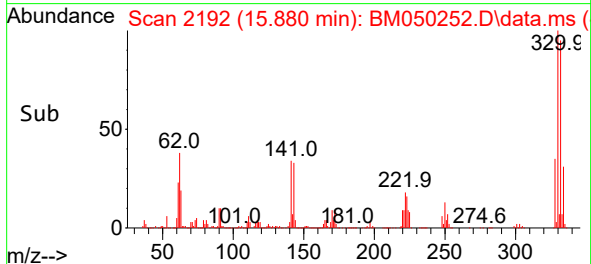
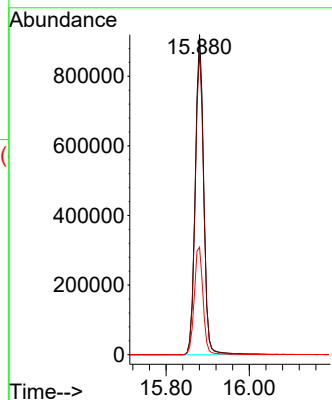


#42
 2,4,6-Tribromophenol
 Concen: 149.576 ng
 RT: 15.880 min Scan# 2195
 Delta R.T. 0.000 min
 Lab File: BM050252.D
 Acq: 09 Jun 2025 21:38

Instrument :
 BNA_M
 ClientSampleId :

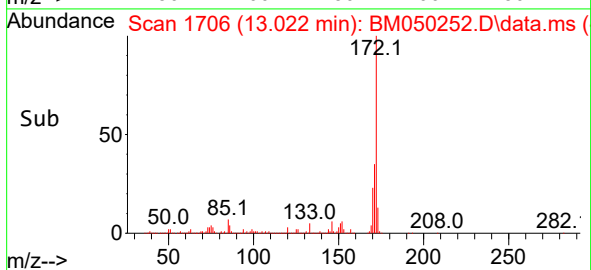
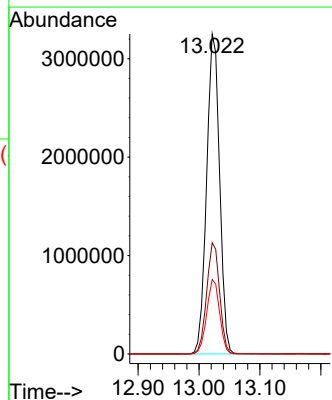
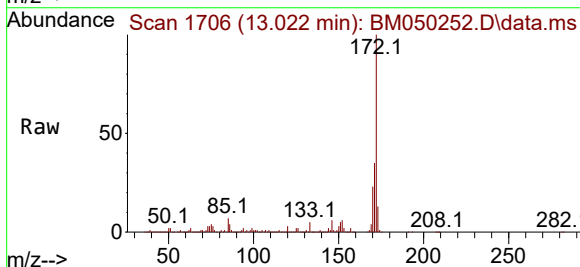


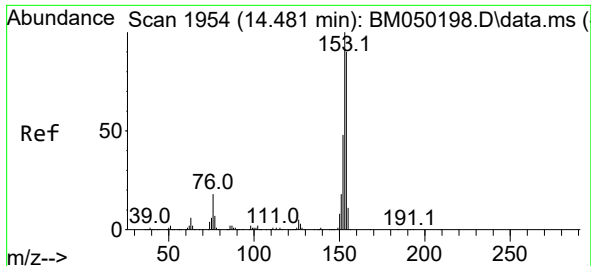
Tgt Ion:330 Resp: 1299976
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.5 116.3
 141 34.9 28.8 43.2



#45
 2-Fluorobiphenyl
 Concen: 85.416 ng
 RT: 13.022 min Scan# 1706
 Delta R.T. -0.006 min
 Lab File: BM050252.D
 Acq: 09 Jun 2025 21:38

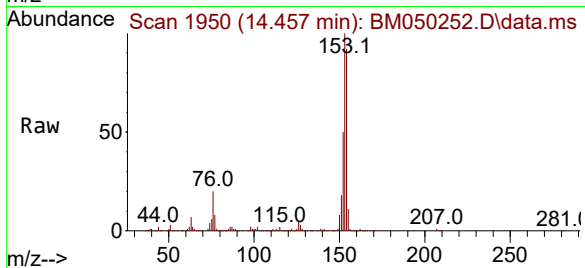
Tgt Ion:172 Resp: 4820769
 Ion Ratio Lower Upper
 172 100
 171 34.8 27.8 41.6
 170 23.2 18.6 27.8



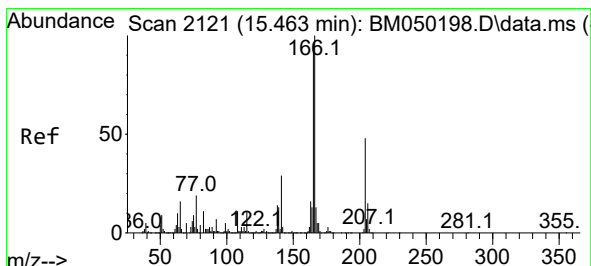
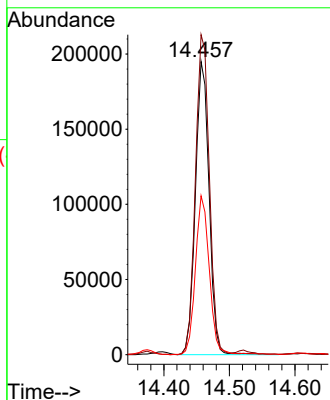
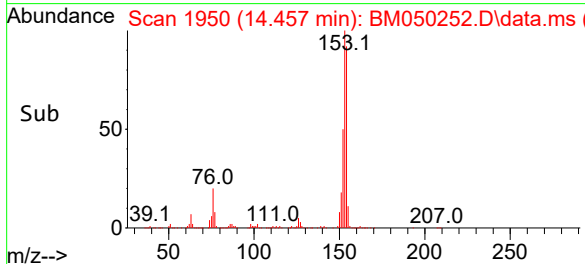


#52
Acenaphthene
Concen: 6.294 ng
RT: 14.457 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM050252.D
Acq: 09 Jun 2025 21:38

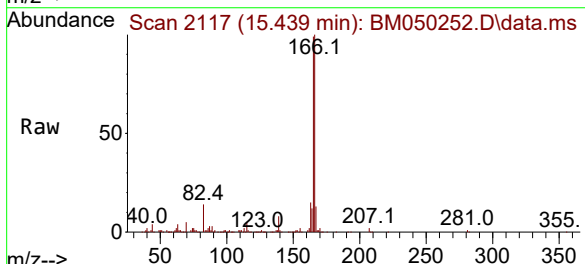
Instrument :
BNA_M
ClientSampleId :



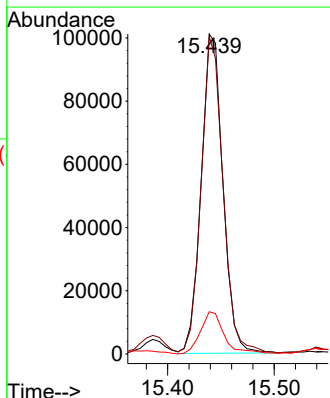
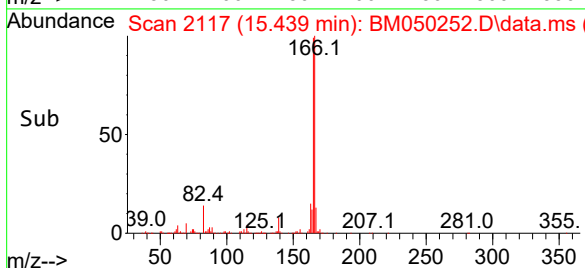
Tgt Ion:154 Resp: 283227
Ion Ratio Lower Upper
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153 109.2 88.7 133.1
152 54.2 42.6 63.8

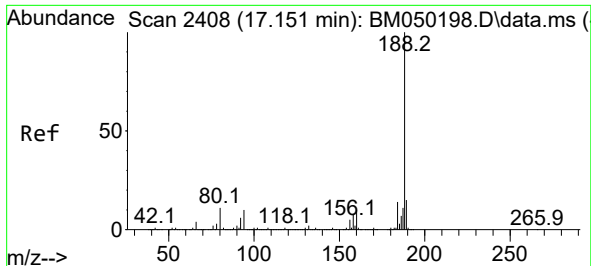


#58
Fluorene
Concen: 2.847 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM050252.D
Acq: 09 Jun 2025 21:38



Tgt Ion:166 Resp: 143536
Ion Ratio Lower Upper
166 100
165 99.2 77.0 115.4
167 13.2 10.7 16.1

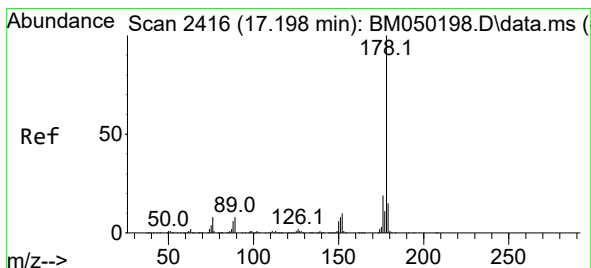
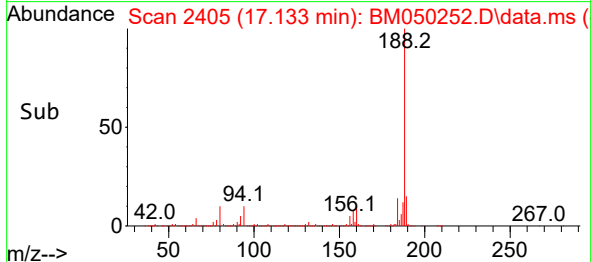
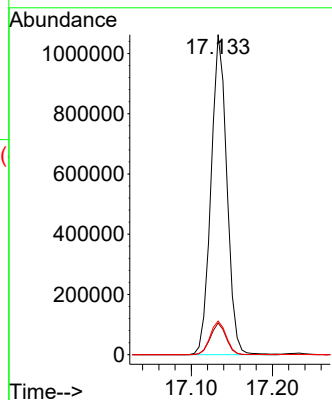
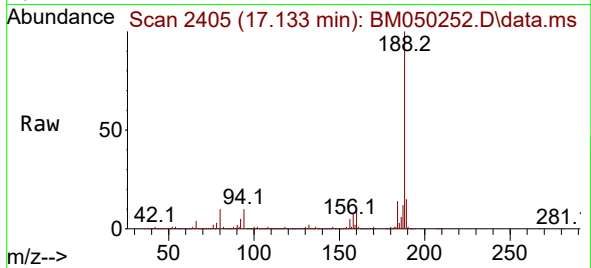




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.133 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BM050252.D
Acq: 09 Jun 2025 21:38

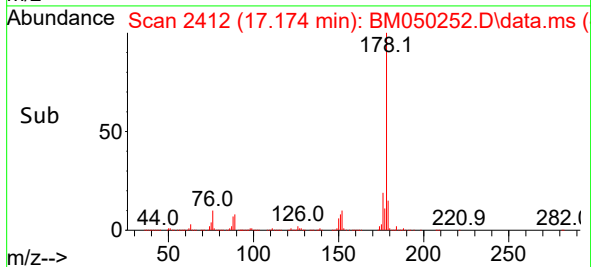
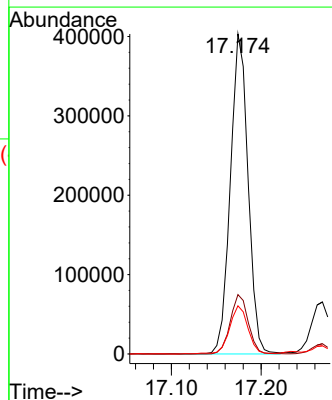
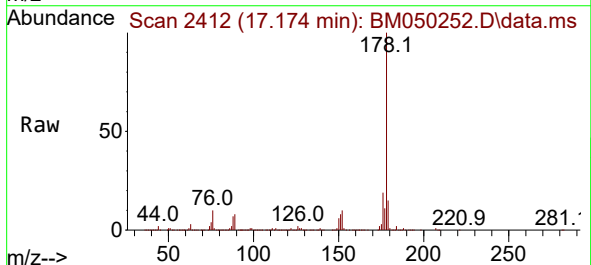
Instrument :
BNA_M
ClientSampleId :

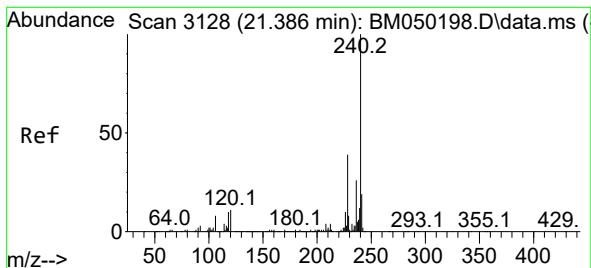
Tgt Ion:188 Resp: 1438553
Ion Ratio Lower Upper
188 100
94 9.9 8.1 12.1
80 10.5 8.6 13.0



#71
Phenanthrene
Concen: 6.721 ng
RT: 17.174 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BM050252.D
Acq: 09 Jun 2025 21:38

Tgt Ion:178 Resp: 552337
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.1 12.3 18.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.362 min Scan# 3128

Delta R.T. -0.012 min

Lab File: BM050252.D

Acq: 09 Jun 2025 21:38

Instrument :

BNA_M

ClientSampleId :

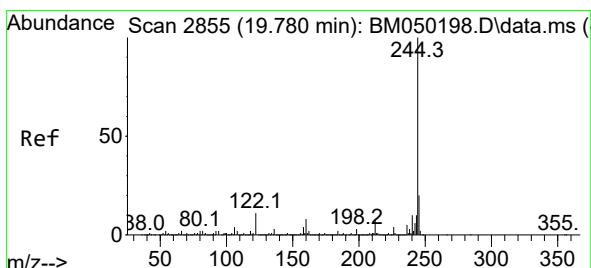
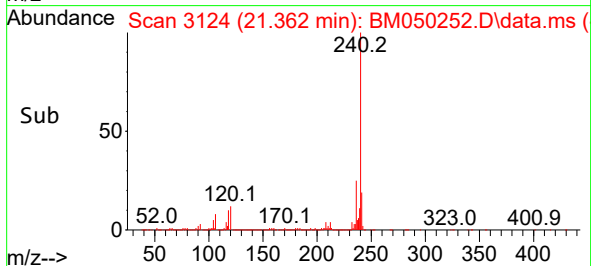
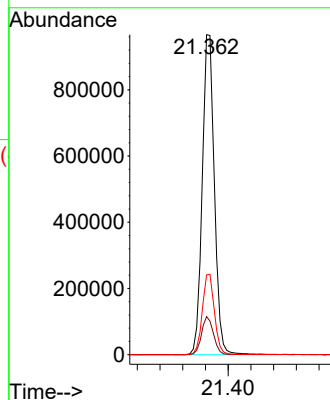
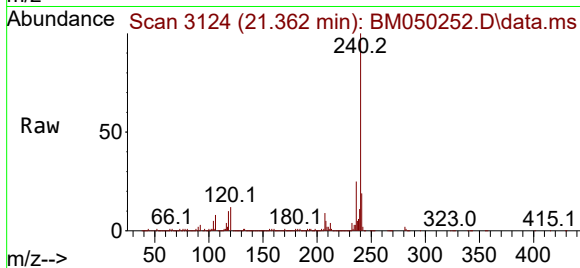
Tgt Ion:240 Resp: 1432142

Ion Ratio Lower Upper

240 100

120 11.9 9.0 13.4

236 25.0 20.7 31.1



#79

Terphenyl-d14

Concen: 86.449 ng

RT: 19.768 min Scan# 2853

Delta R.T. 0.000 min

Lab File: BM050252.D

Acq: 09 Jun 2025 21:38

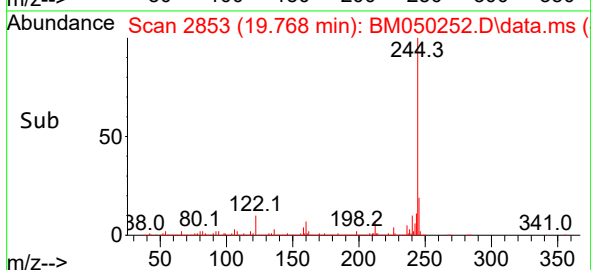
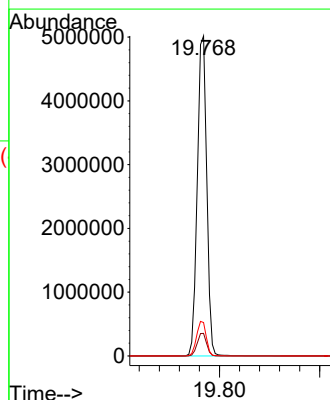
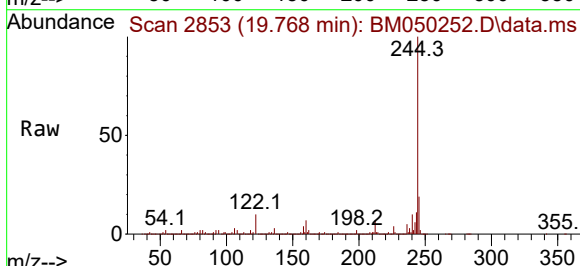
Tgt Ion:244 Resp: 6533250

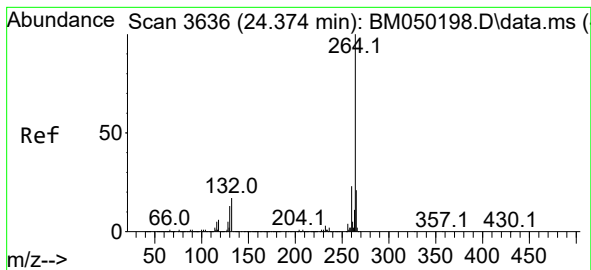
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

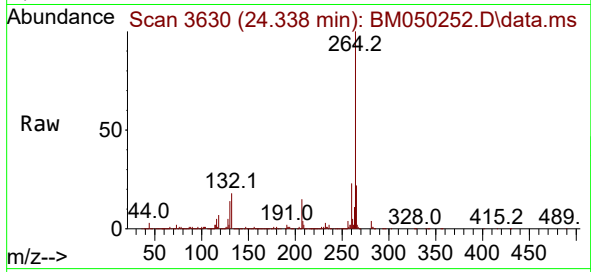
122 10.5 8.6 12.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.338 min Scan# 30
Delta R.T. -0.006 min
Lab File: BM050252.D
Acq: 09 Jun 2025 21:38

Instrument :
BNA_M
ClientSampleId :



Tgt Ion:264 Resp: 1513341
Ion Ratio Lower Upper
264 100
260 22.9 18.6 28.0
265 21.8 16.8 25.2

