

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
 Data File : BM050255.D
 Acq On : 09 Jun 2025 23:35
 Operator : RC/JU
 Sample : Q2236-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 10 01:28:43 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

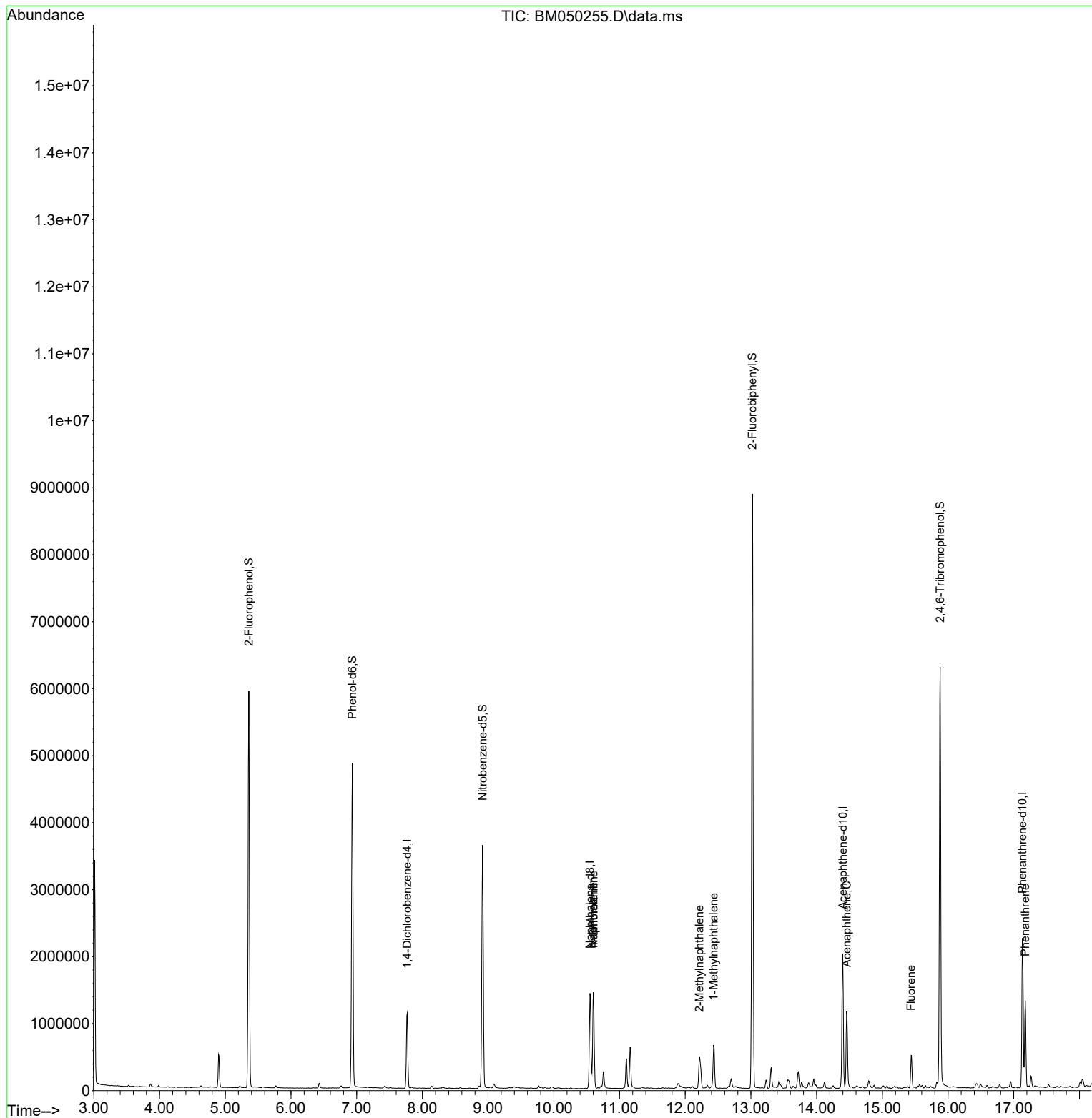
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	313628	20.000	ng	0.00
21) Naphthalene-d8	10.551	136	1214917	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	691337	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1261240	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1230719	20.000	ng	-0.01
86) Perylene-d12	24.338	264	1312536	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2745871	146.049	ng	0.00
7) Phenol-d6	6.934	99	3109740	125.647	ng	0.00
23) Nitrobenzene-d5	8.916	82	2265879	96.998	ng	0.00
42) 2,4,6-Tribromophenol	15.880	330	1196426	152.150	ng	0.00
45) 2-Fluorobiphenyl	13.021	172	4612245	90.322	ng	0.00
79) Terphenyl-d14	19.762	244	6079199	93.606	ng	0.00
Target Compounds						
31) Naphthalene	10.604	128	1202299	19.141	ng	Qvalue 100
33) 4-Chloroaniline	10.604	127	152097	5.680	ng	# 33
37) 2-Methylnaphthalene	12.216	142	204859	5.406	ng	99
38) 1-Methylnaphthalene	12.433	142	309802	7.703	ng	99
52) Acenaphthene	14.457	154	408261	10.027	ng	99
58) Fluorene	15.439	166	201762	4.422	ng	97
71) Phenanthrene	17.174	178	760701	10.558	ng	99

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

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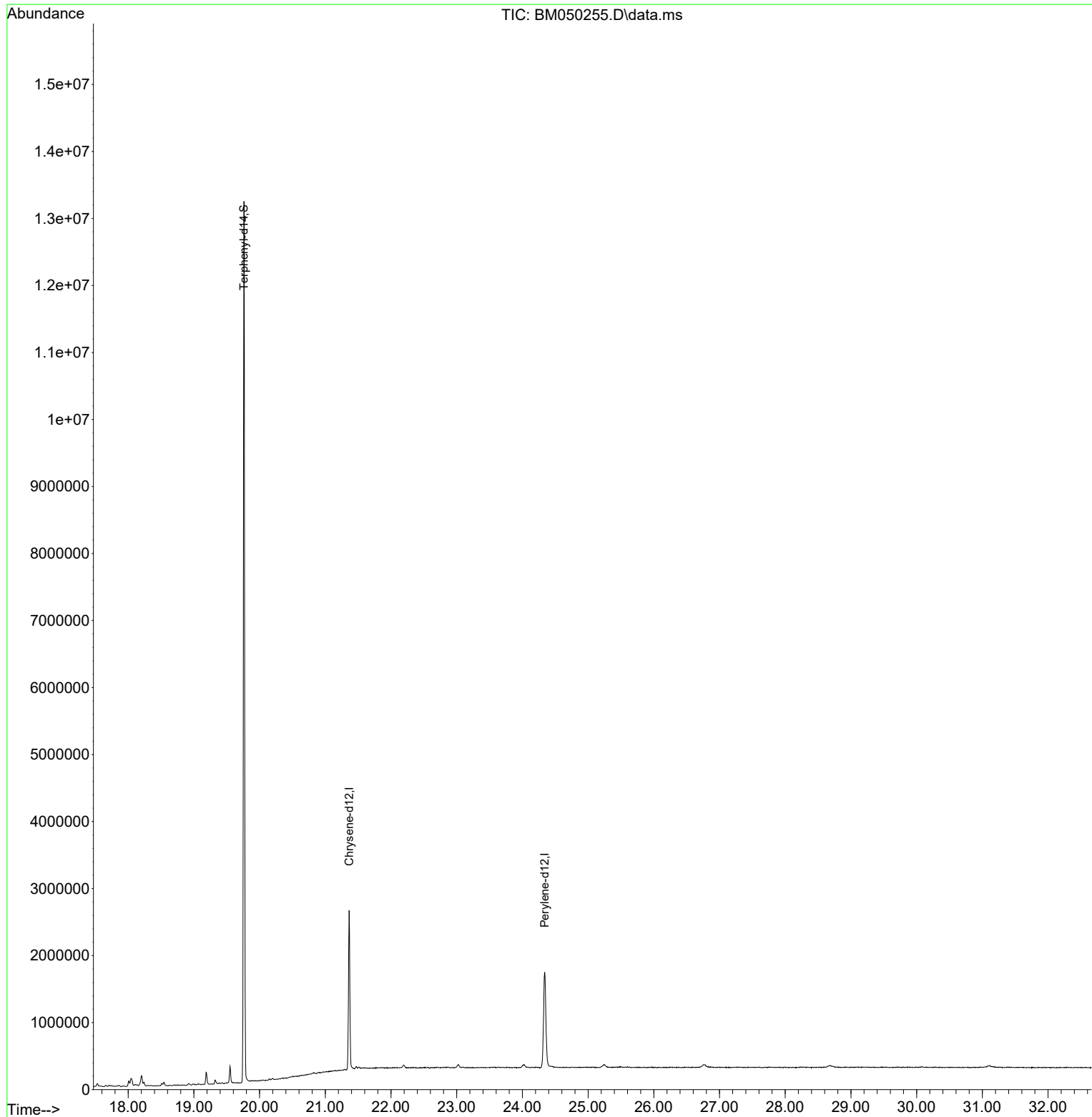
Quant Time: Jun 10 01:28:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

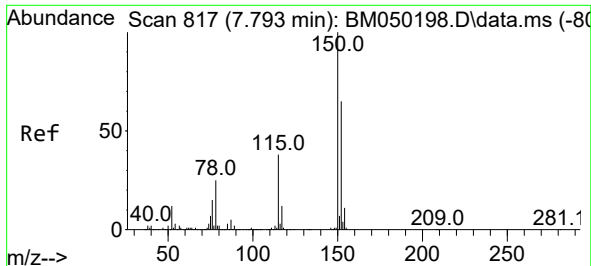


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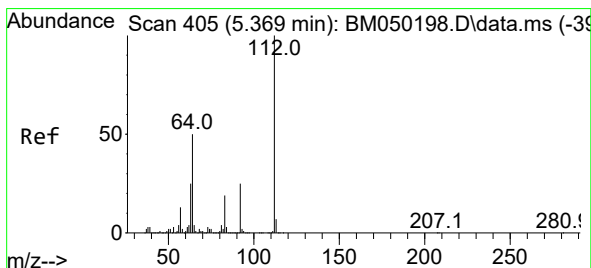
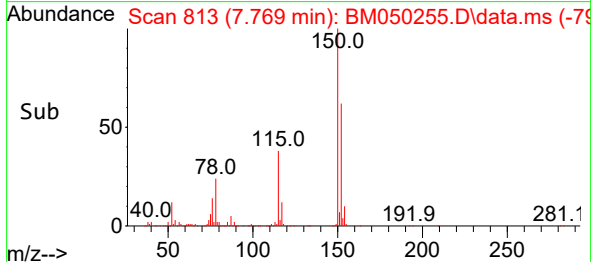
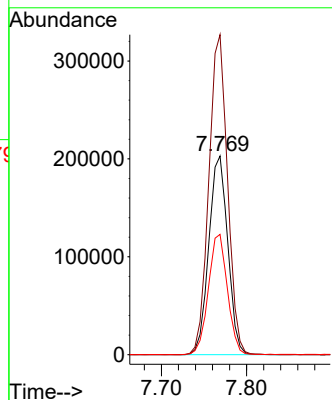
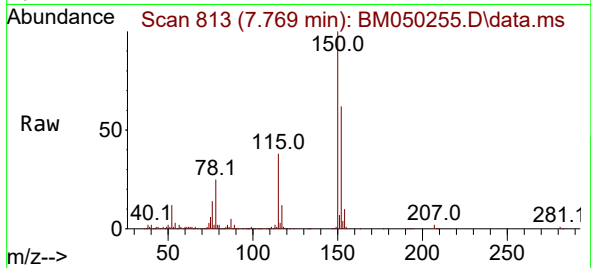




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050255.D
Acq: 09 Jun 2025 23:35

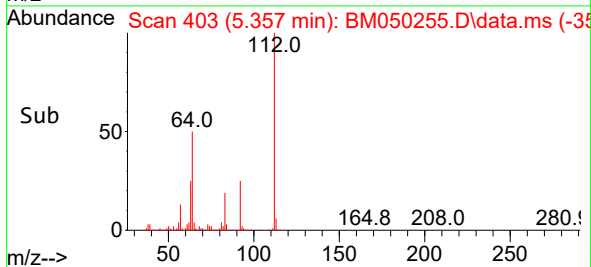
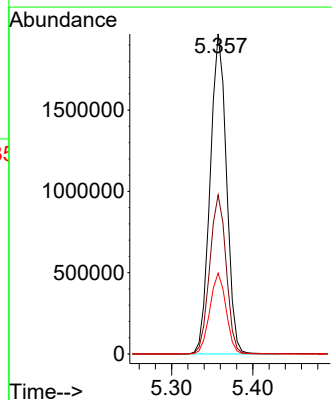
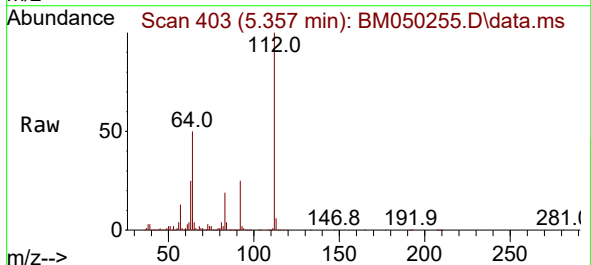
Instrument :
BNA_M
ClientSampleId :

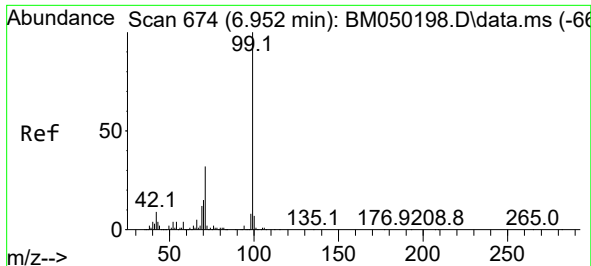
Tgt Ion:152 Resp: 313628
Ion Ratio Lower Upper
152 100
150 161.1 122.2 183.4
115 60.5 46.3 69.5



#5
2-Fluorophenol
Concen: 146.049 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050255.D
Acq: 09 Jun 2025 23:35

Tgt Ion:112 Resp: 2745871
Ion Ratio Lower Upper
112 100
64 49.7 39.8 59.6
63 25.3 19.8 29.8

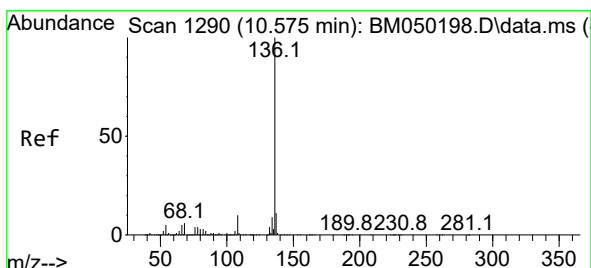
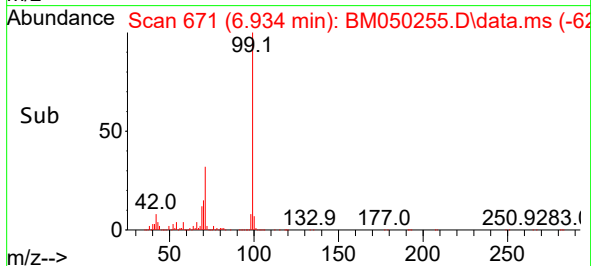
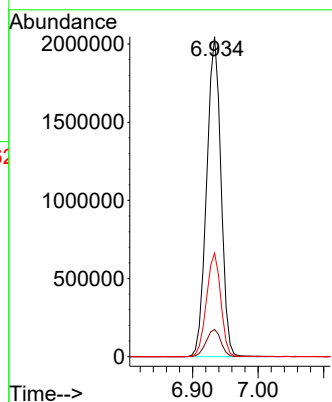
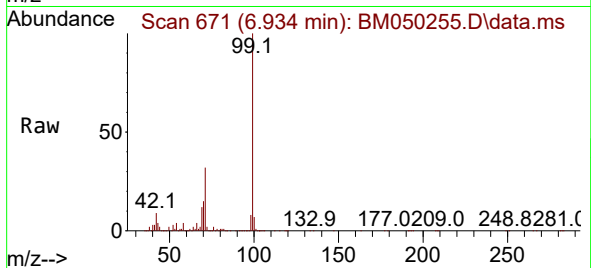




#7
Phenol-d6
Concen: 125.647 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050255.D
Acq: 09 Jun 2025 23:35

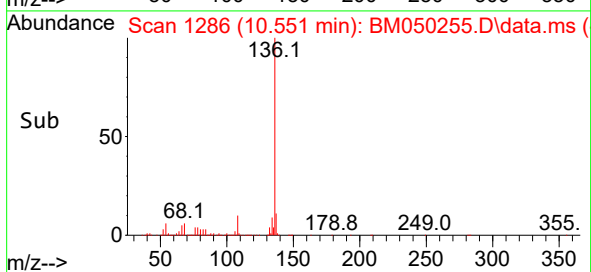
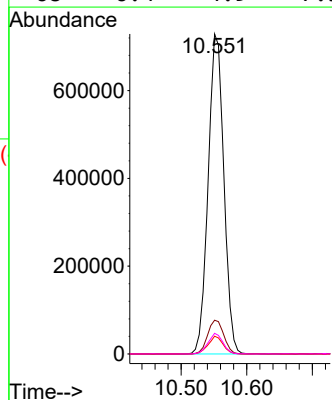
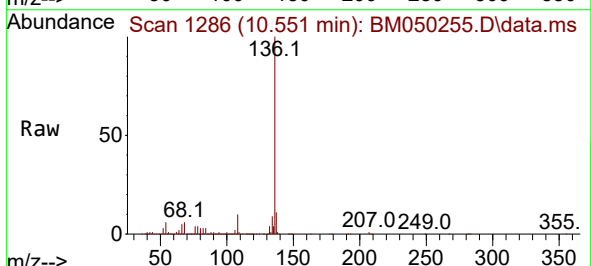
Instrument :
BNA_M
ClientSampleId :

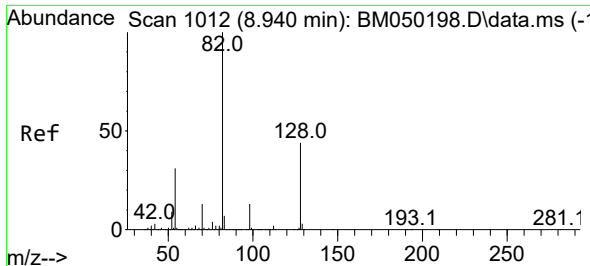
Tgt Ion: 99 Resp: 3109740
Ion Ratio Lower Upper
99 100
42 8.5 6.9 10.3
71 32.3 25.3 37.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM050255.D
Acq: 09 Jun 2025 23:35

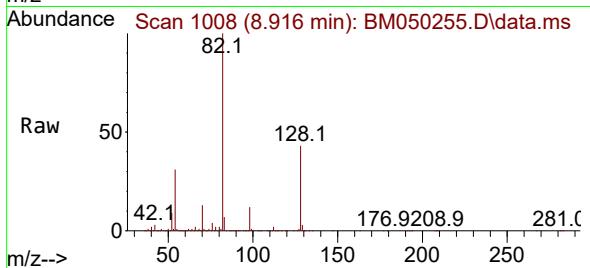
Tgt Ion:136 Resp: 1214917
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 5.5 3.8 5.8
68 6.4 4.9 7.3



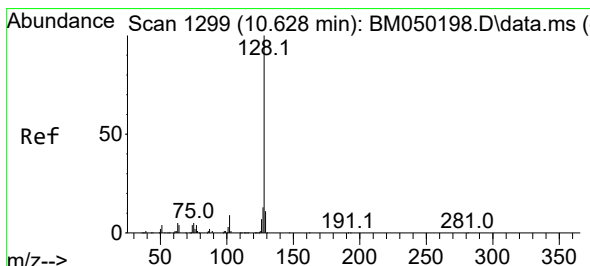
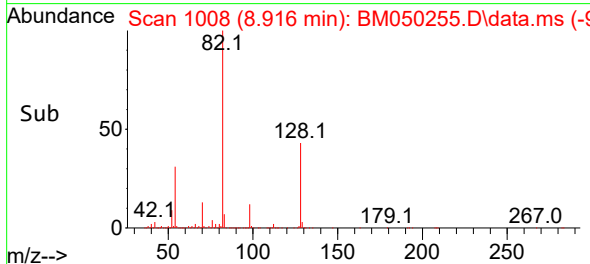
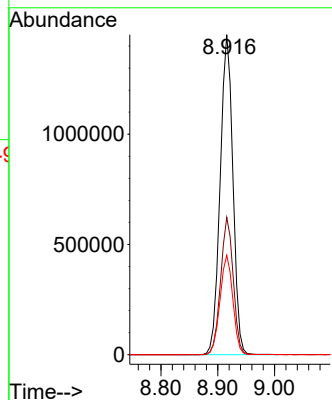


#23
Nitrobenzene-d5
Concen: 96.998 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BM050255.D
Acq: 09 Jun 2025 23:35

Instrument :
BNA_M
ClientSampleId :

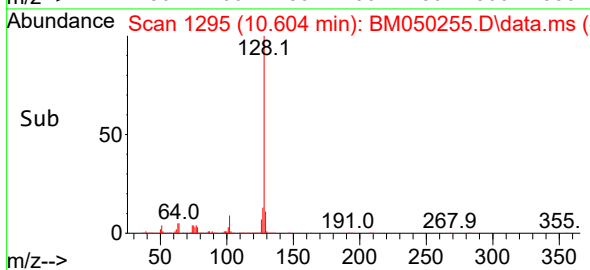
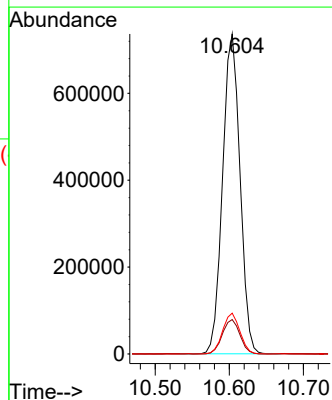
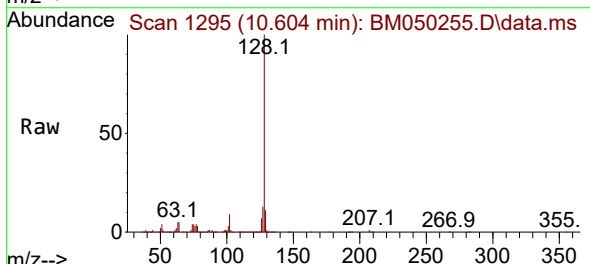


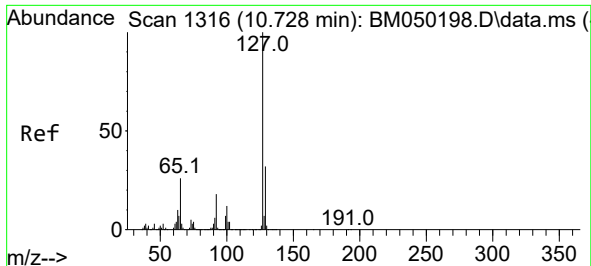
Tgt Ion: 82 Resp: 2265879
Ion Ratio Lower Upper
82 100
128 42.9 35.2 52.8
54 31.1 24.5 36.7



#31
Naphthalene
Concen: 19.141 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BM050255.D
Acq: 09 Jun 2025 23:35

Tgt Ion:128 Resp: 1202299
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 12.7 10.2 15.4

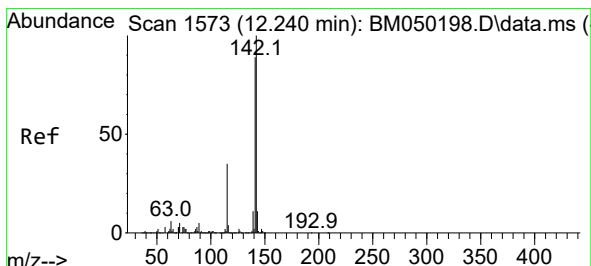
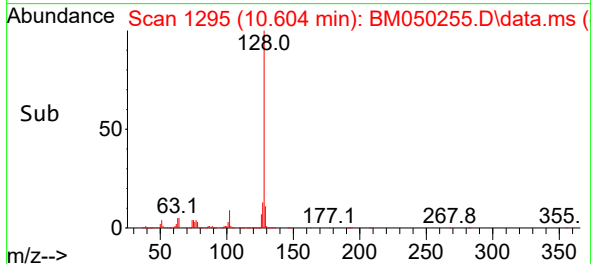
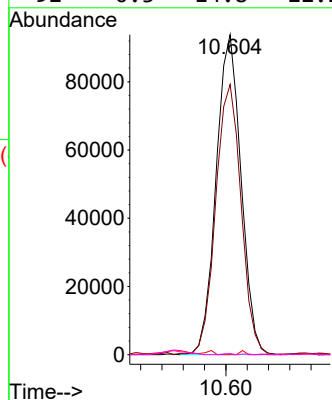
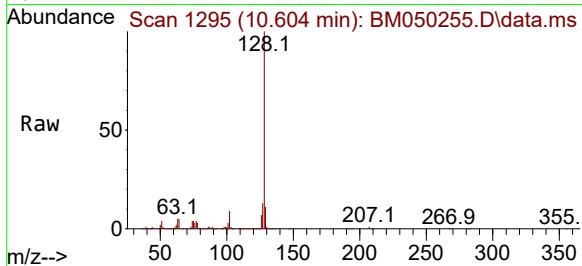




#33
4-Chloroaniline
Concen: 5.680 ng
RT: 10.604 min Scan# 11
Delta R.T. -0.106 min
Lab File: BM050255.D
Acq: 09 Jun 2025 23:35

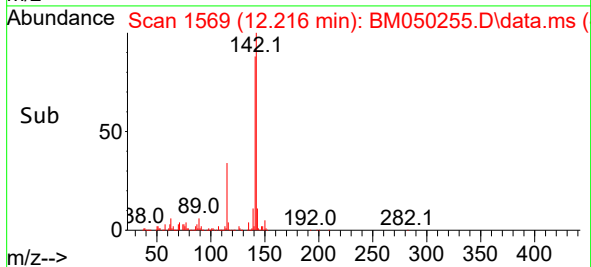
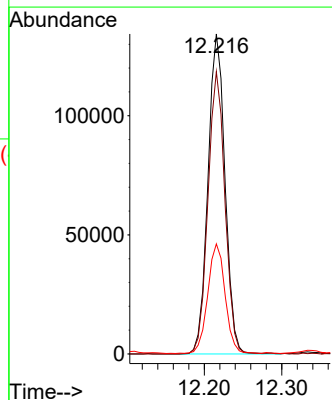
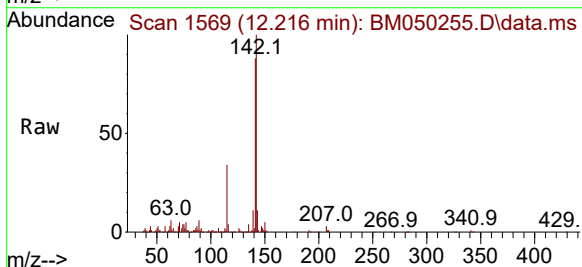
Instrument :
BNA_M
ClientSampleId :

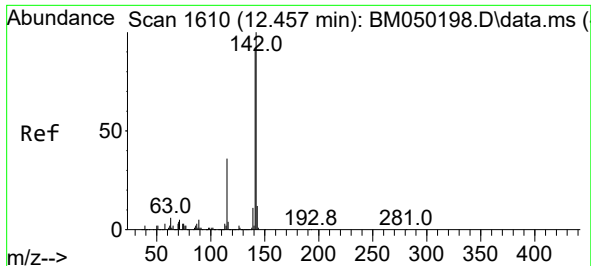
Tgt Ion:127 Resp: 152097
Ion Ratio Lower Upper
127 100
129 84.5 25.4 38.0#
65 0.0 21.0 31.4#
92 0.3 14.8 22.2#



#37
2-Methylnaphthalene
Concen: 5.406 ng
RT: 12.216 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BM050255.D
Acq: 09 Jun 2025 23:35

Tgt Ion:142 Resp: 204859
Ion Ratio Lower Upper
142 100
141 88.2 71.5 107.3
115 34.4 27.8 41.8

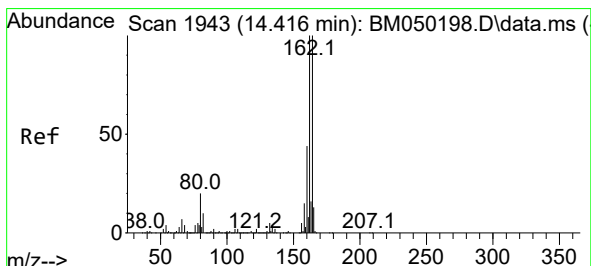
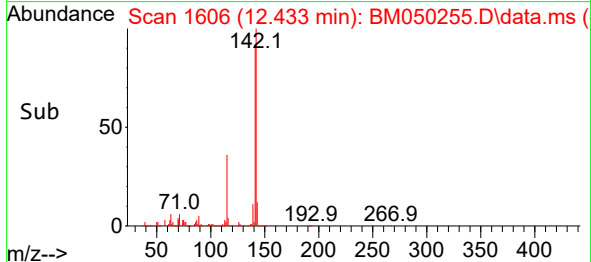
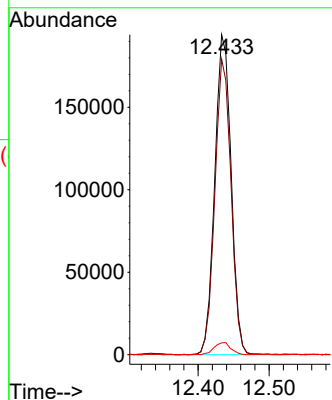
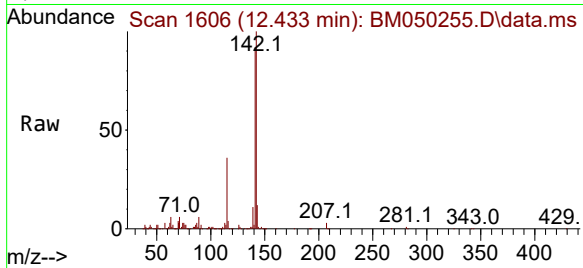




#38
1-Methylnaphthalene
Concen: 7.703 ng
RT: 12.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050255.D
Acq: 09 Jun 2025 23:35

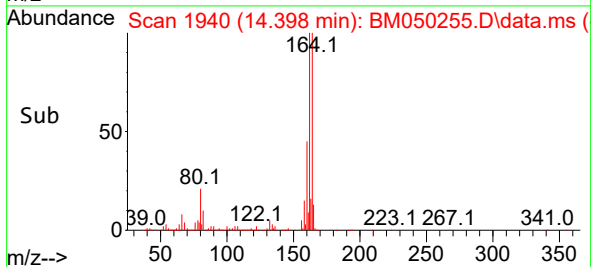
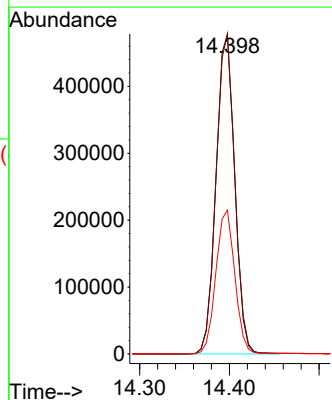
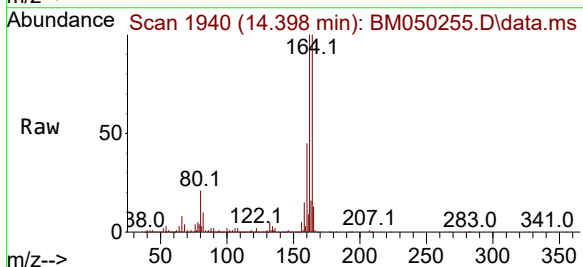
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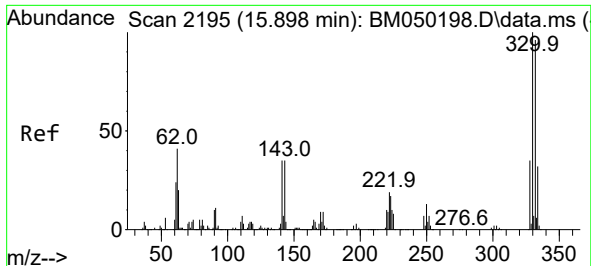
Tgt Ion:142 Resp: 309802
Ion Ratio Lower Upper
142 100
141 92.3 72.9 109.3
116 3.7 3.0 4.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BM050255.D
Acq: 09 Jun 2025 23:35

Tgt Ion:164 Resp: 691337
Ion Ratio Lower Upper
164 100
162 100.2 80.2 120.4
160 45.0 35.7 53.5

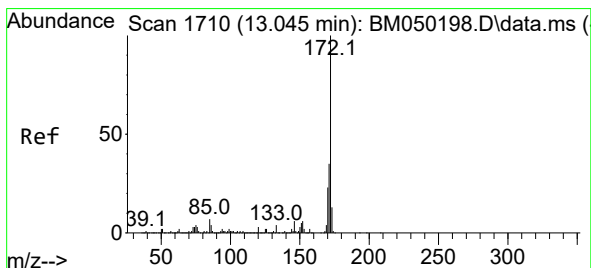
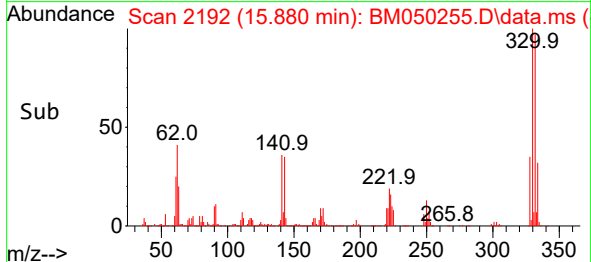
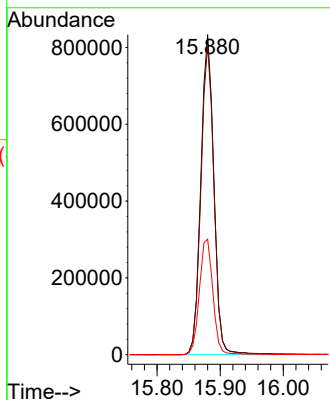
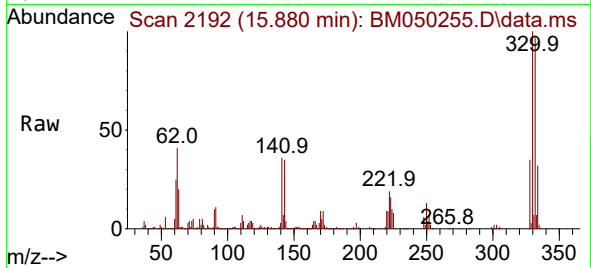




#42
2,4,6-Tribromophenol
Concen: 152.150 ng
RT: 15.880 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BM050255.D
Acq: 09 Jun 2025 23:35

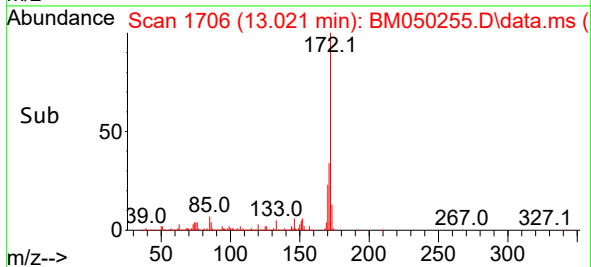
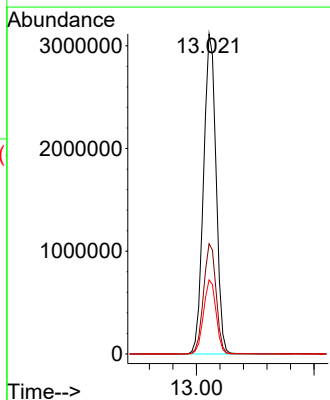
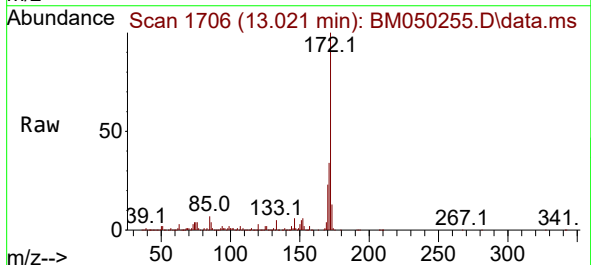
Instrument :
BNA_M
ClientSampleId :

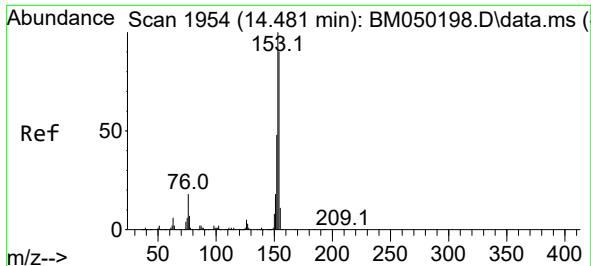
Tgt Ion:330 Resp: 1196426
Ion Ratio Lower Upper
330 100
332 97.0 77.5 116.3
141 37.5 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 90.322 ng
RT: 13.021 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BM050255.D
Acq: 09 Jun 2025 23:35

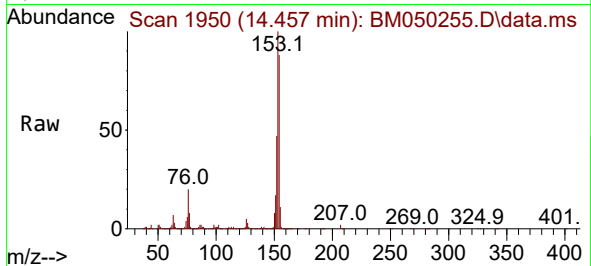
Tgt Ion:172 Resp: 4612245
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 23.1 18.6 27.8



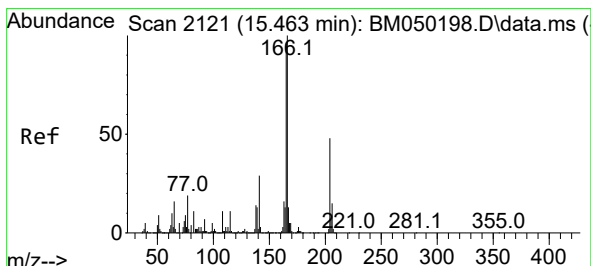
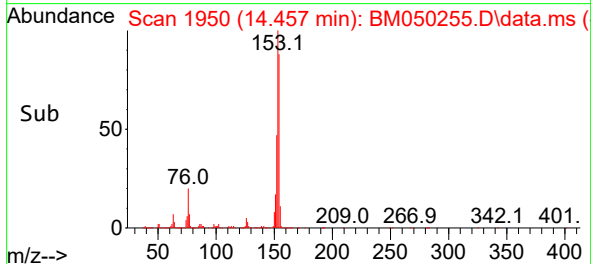
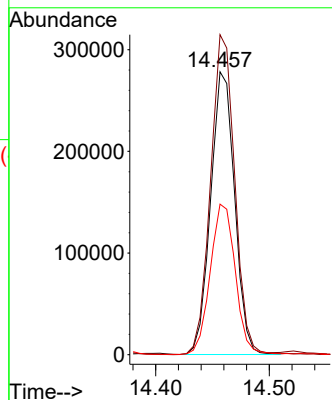


#52
Acenaphthene
Concen: 10.027 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BM050255.D
Acq: 09 Jun 2025 23:35

Instrument :
BNA_M
ClientSampleId :

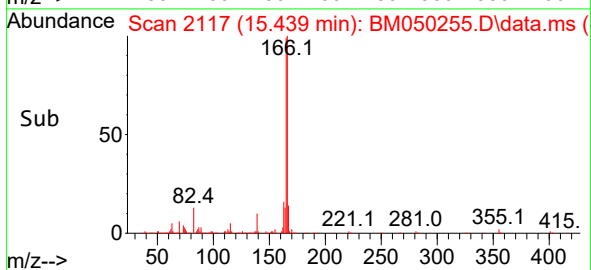
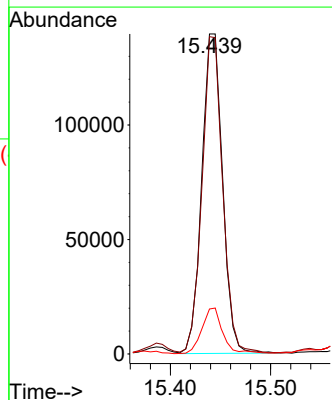
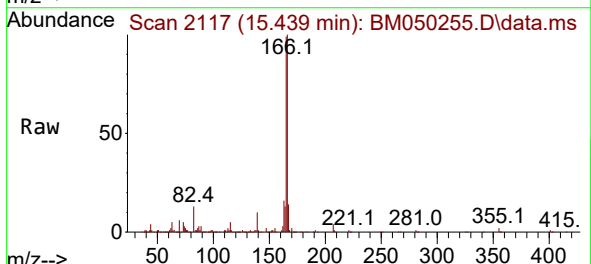


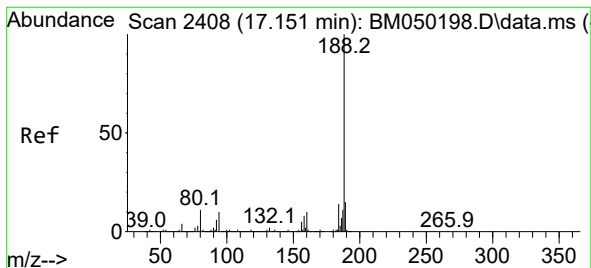
Tgt Ion:154 Resp: 408261
Ion Ratio Lower Upper
154 100
153 113.1 88.7 133.1
152 53.2 42.6 63.8



#58
Fluorene
Concen: 4.422 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM050255.D
Acq: 09 Jun 2025 23:35

Tgt Ion:166 Resp: 201762
Ion Ratio Lower Upper
166 100
165 99.2 77.0 115.4
167 14.1 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.133 min Scan# 2412

Delta R.T. -0.006 min

Lab File: BM050255.D

Acq: 09 Jun 2025 23:35

Instrument :

BNA_M

ClientSampleId :

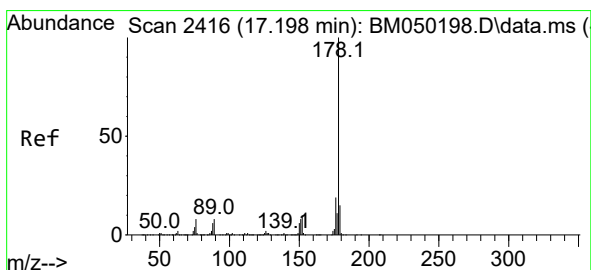
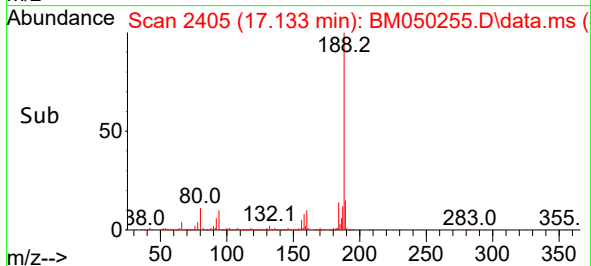
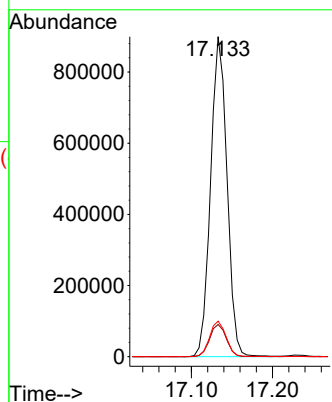
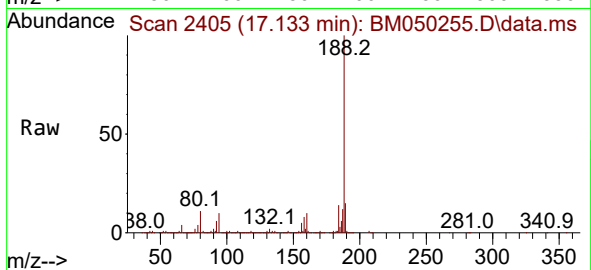
Tgt Ion:188 Resp: 1261240

Ion Ratio Lower Upper

188 100

94 10.0 8.1 12.1

80 11.1 8.6 13.0



#71

Phenanthrene

Concen: 10.558 ng

RT: 17.174 min Scan# 2412

Delta R.T. -0.006 min

Lab File: BM050255.D

Acq: 09 Jun 2025 23:35

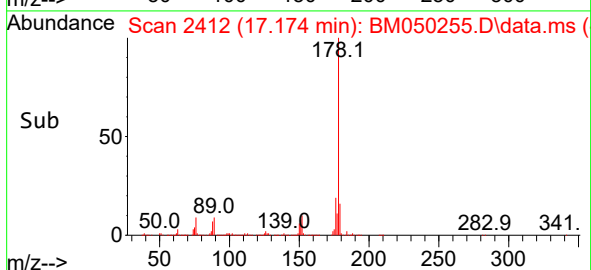
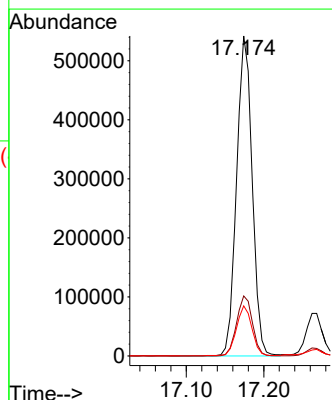
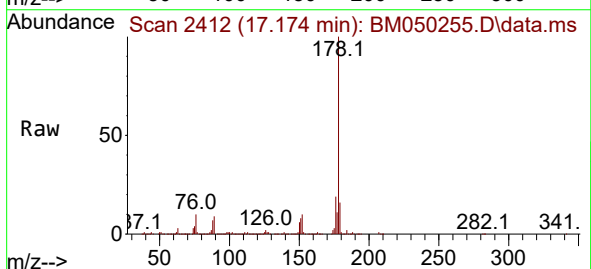
Tgt Ion:178 Resp: 760701

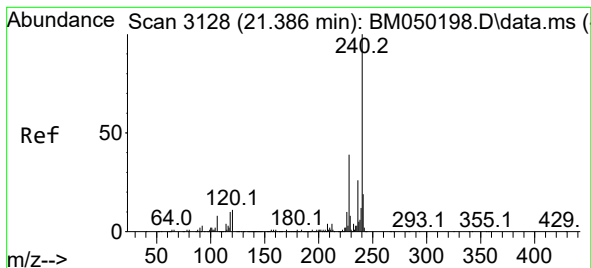
Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

179 15.7 12.3 18.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.362 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM050255.D

Acq: 09 Jun 2025 23:35

Instrument :

BNA_M

ClientSampleId :

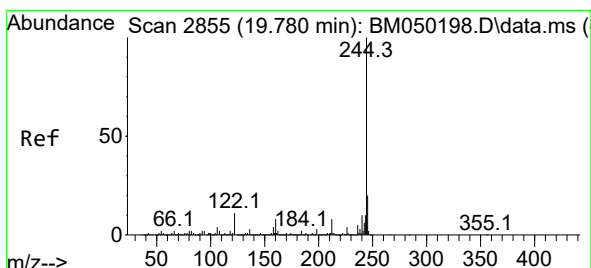
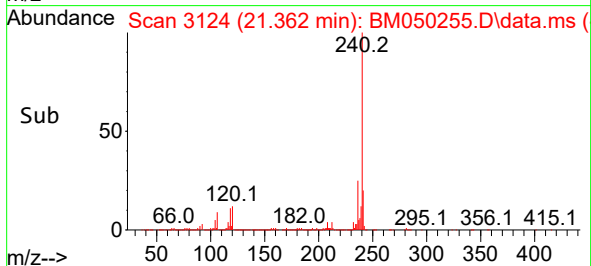
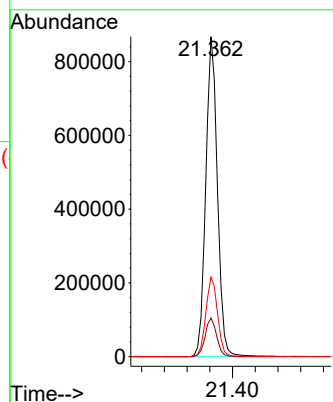
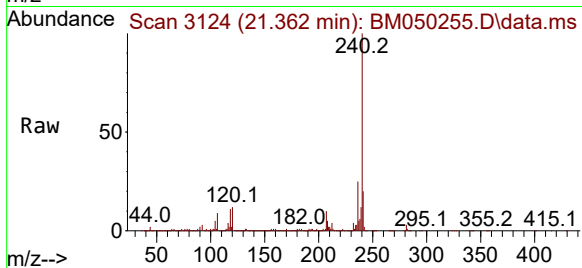
Tgt Ion:240 Resp: 1230719

Ion Ratio Lower Upper

240 100

120 12.1 9.0 13.4

236 24.9 20.7 31.1



#79

Terphenyl-d14

Concen: 93.606 ng

RT: 19.762 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BM050255.D

Acq: 09 Jun 2025 23:35

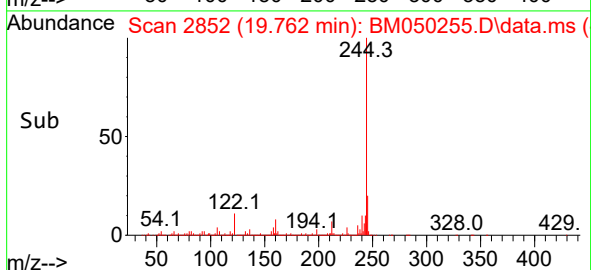
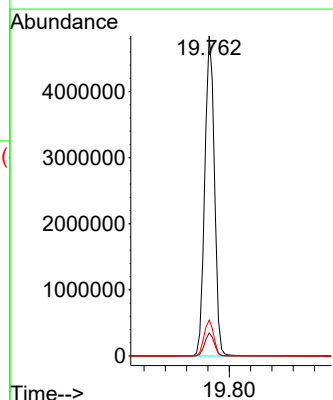
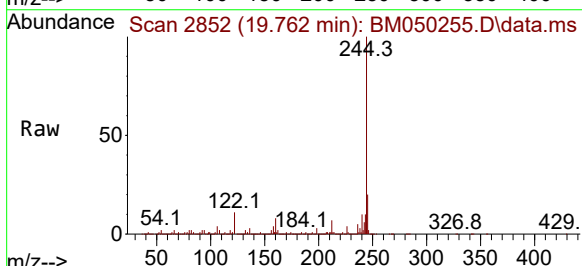
Tgt Ion:244 Resp: 6079199

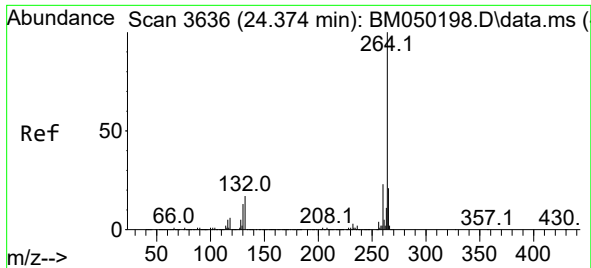
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

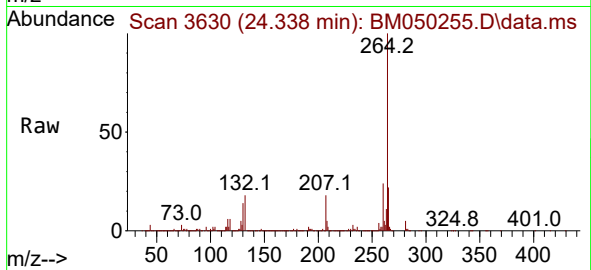
122 11.2 8.6 12.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.338 min Scan# 30
 Delta R.T. -0.006 min
 Lab File: BM050255.D
 Acq: 09 Jun 2025 23:35

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:264 Resp: 1312536
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 22.2 16.8 25.2

