

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
 Data File : BM050240.D
 Acq On : 09 Jun 2025 13:29
 Operator : RC/JU
 Sample : Q2125-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 09 14:03:19 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)

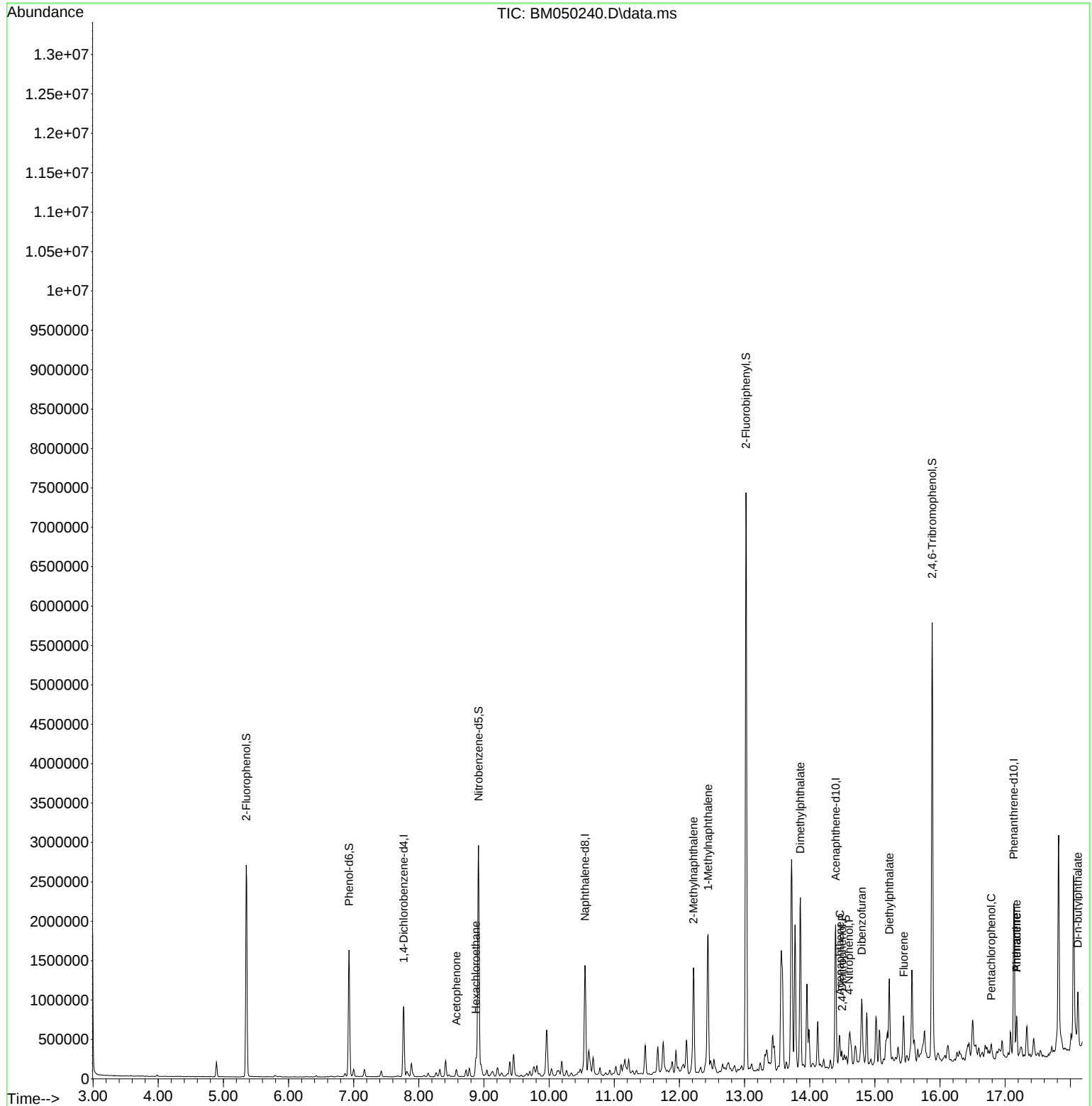
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	258819	20.000	ng	0.00
21) Naphthalene-d8	10.551	136	1009931	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	581596	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1095565	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1122304	20.000	ng	-0.01
86) Perylene-d12	24.338	264	1282474	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1263506	81.436	ng	0.00
7) Phenol-d6	6.928	99	987737	48.360	ng	0.00
23) Nitrobenzene-d5	8.916	82	1883291	96.983	ng	0.00
42) 2,4,6-Tribromophenol	15.880	330	1022118	154.510	ng	0.00
45) 2-Fluorobiphenyl	13.022	172	3795297	88.348	ng	0.00
79) Terphenyl-d14	19.762	244	5334082	90.067	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	8.875	117	28850	4.013	ng	# 1
22) Acetophenone	8.575	105	57970	2.298	ng	# 68
37) 2-Methylnaphthalene	12.216	142	628927	19.966	ng	99
38) 1-Methylnaphthalene	12.439	142	813617	24.335	ng	100
50) Dimethylphthalate	13.857	163	1440398	36.620	ng	100
52) Acenaphthene	14.463	154	101935	2.976	ng	96
54) 2,4-Dinitrophenol	14.498	184	56	6.232	ng	# 1
55) Dibenzofuran	14.798	168	110355	2.202	ng	# 64
56) 4-Nitrophenol	14.604	139	24379	3.240	ng	# 45
58) Fluorene	15.445	166	176099	4.588	ng	# 94
60) Diethylphthalate	15.221	149	548102	14.044	ng	99
70) Pentachlorophenol	16.786	266	20129	2.268	ng	93
71) Phenanthrene	17.174	178	297659	4.756	ng	98
72) Anthracene	17.174	178	297659	4.754	ng	99
74) Di-n-butylphthalate	18.115	149	638718	10.291	ng	99
78) Pyrene	19.550	202	167785	2.218	ng	97

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

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BNA_M
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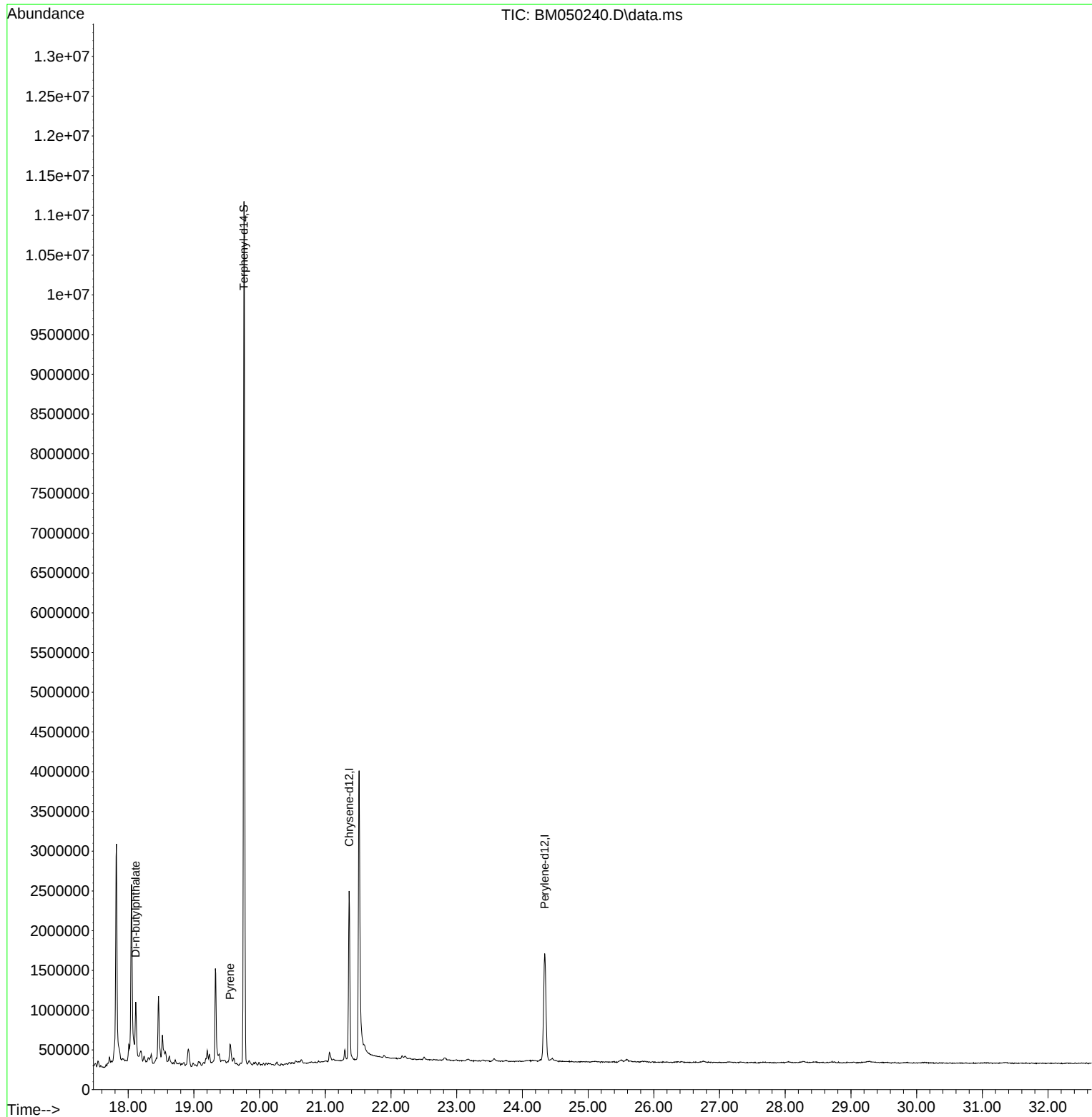
Quant Time: Jun 09 14:03:19 2025
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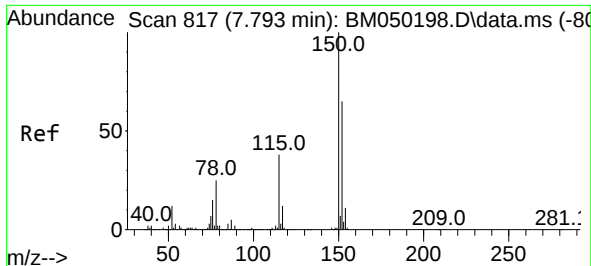


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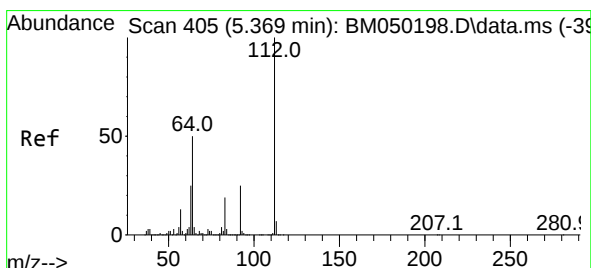
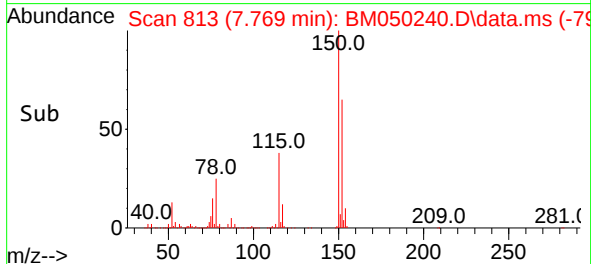
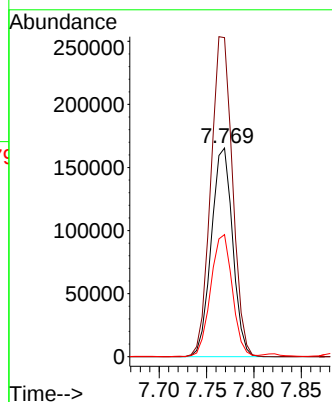
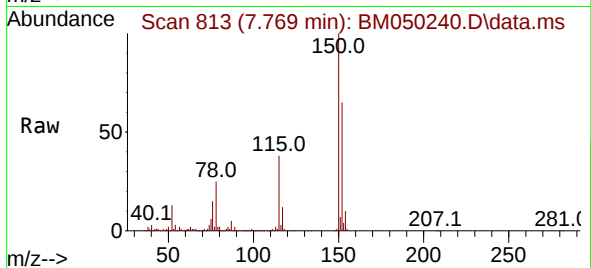




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

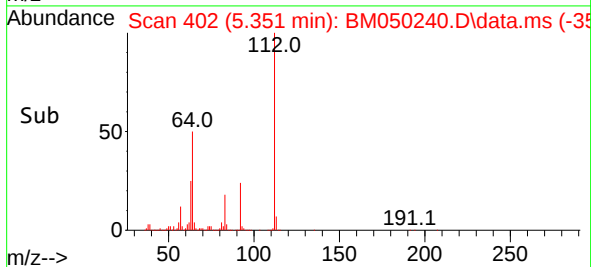
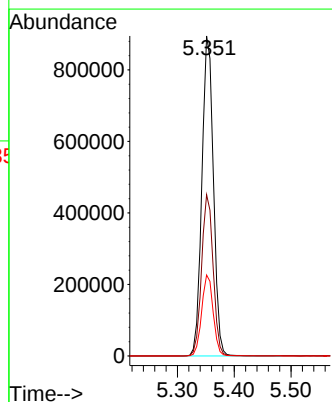
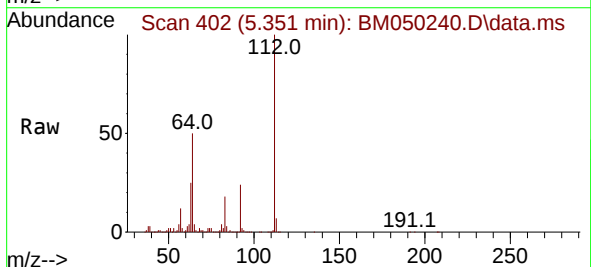
Instrument :
BNA_M
ClientSampleId :

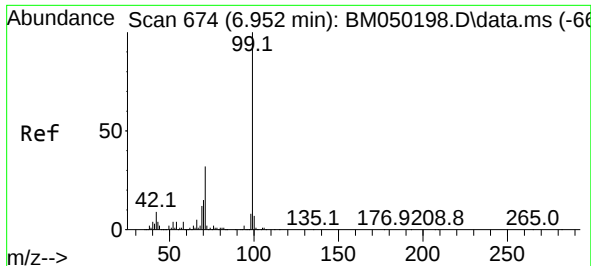
Tgt Ion:152 Resp: 258819
Ion Ratio Lower Upper
152 100
150 152.9 122.2 183.4
115 58.5 46.3 69.5



#5
2-Fluorophenol
Concen: 81.436 ng
RT: 5.351 min Scan# 402
Delta R.T. -0.006 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

Tgt Ion:112 Resp: 1263506
Ion Ratio Lower Upper
112 100
64 50.4 39.8 59.6
63 25.3 19.8 29.8

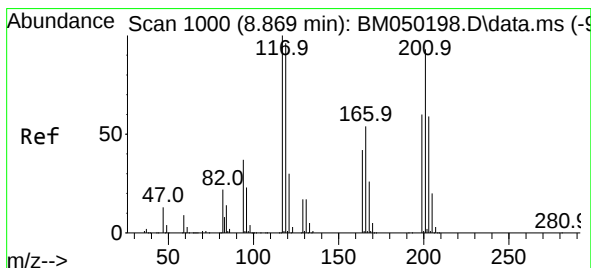
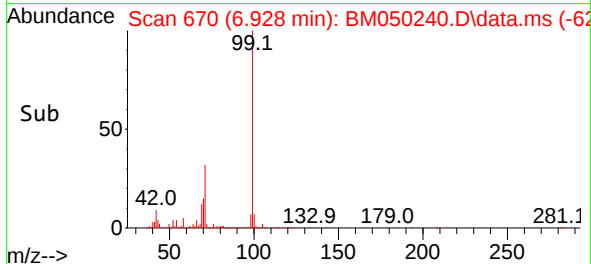
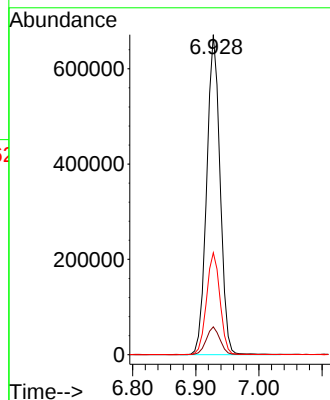
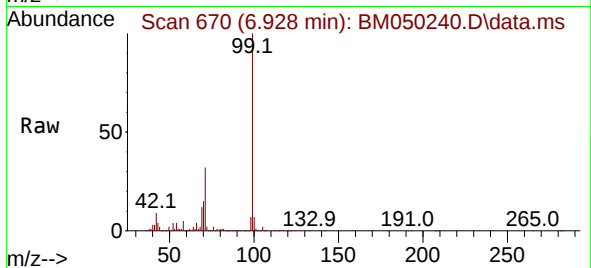




#7
Phenol-d6
Concen: 48.360 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

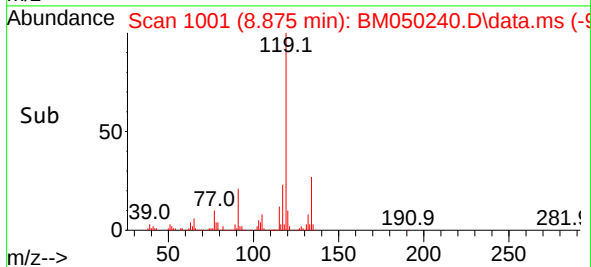
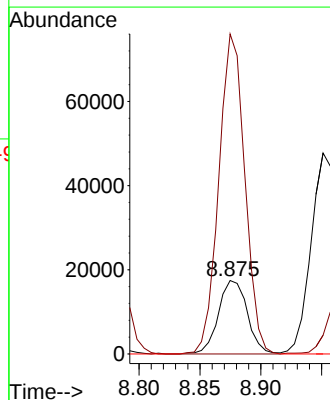
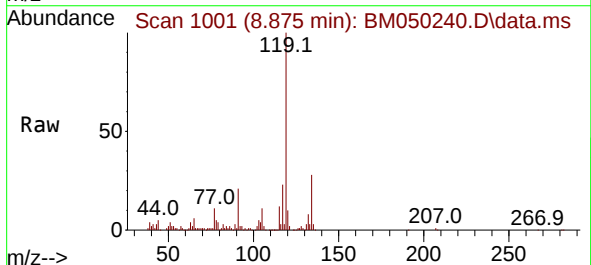
Instrument :
BNA_M
ClientSampleId :

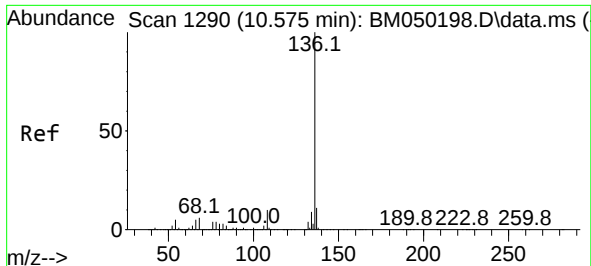
Tgt Ion: 99 Resp: 987737
Ion Ratio Lower Upper
99 100
42 8.7 6.9 10.3
71 31.8 25.3 37.9



#18
Hexachloroethane
Concen: 4.013 ng
RT: 8.875 min Scan# 1001
Delta R.T. 0.024 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

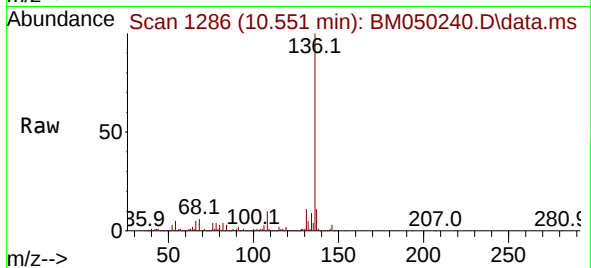
Tgt Ion: 117 Resp: 28850
Ion Ratio Lower Upper
117 100
119 435.4 77.0 115.6#
201 0.0 74.6 111.8#



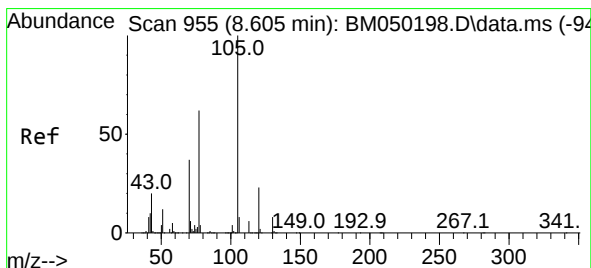
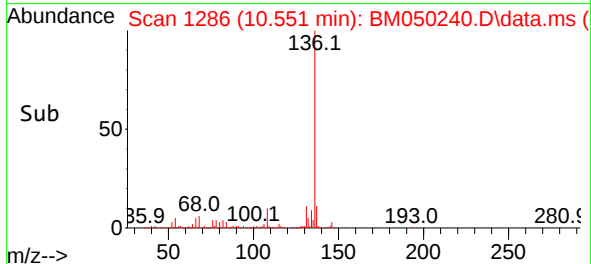
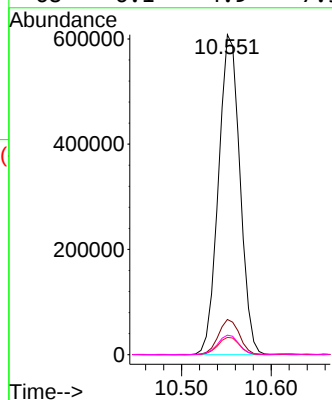


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

Instrument :
BNA_M
ClientSampleId :

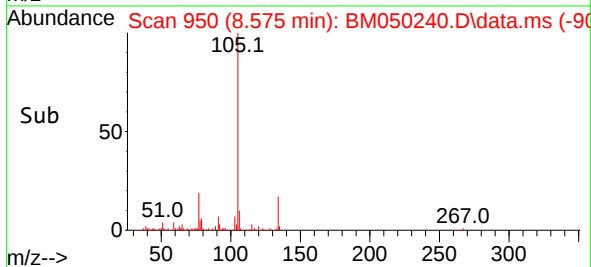
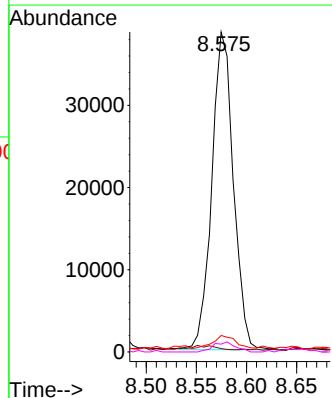
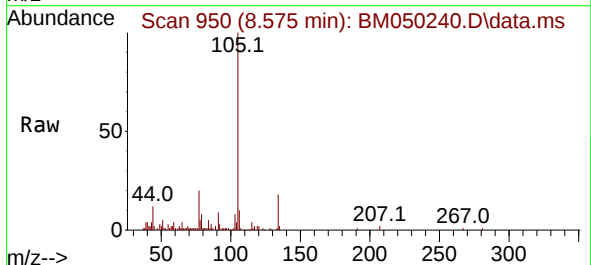


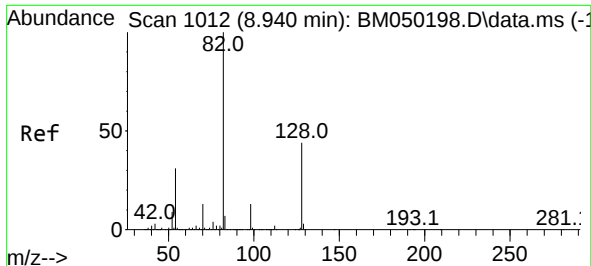
Tgt Ion:136 Resp: 1009931
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 5.4 3.8 5.8
68 6.1 4.9 7.3



#22
Acetophenone
Concen: 2.298 ng
RT: 8.575 min Scan# 950
Delta R.T. -0.012 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

Tgt Ion:105 Resp: 57970
Ion Ratio Lower Upper
105 100
71 1.1 5.0 7.4#
51 5.2 11.4 17.2#
120 2.5 18.2 27.4#

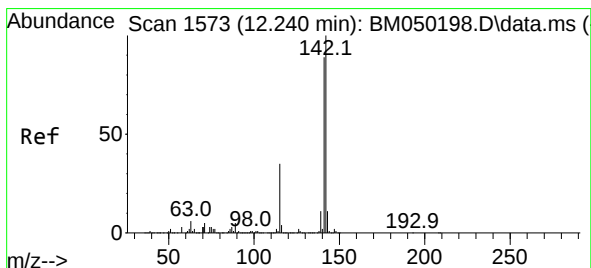
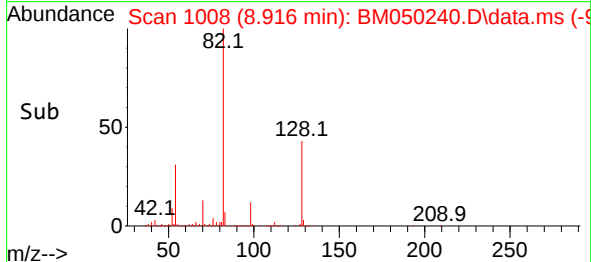
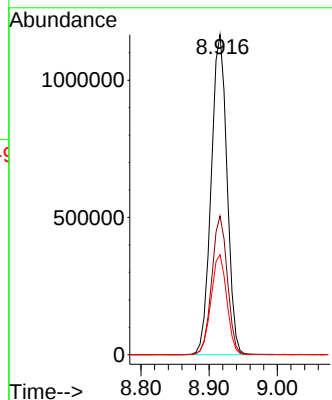
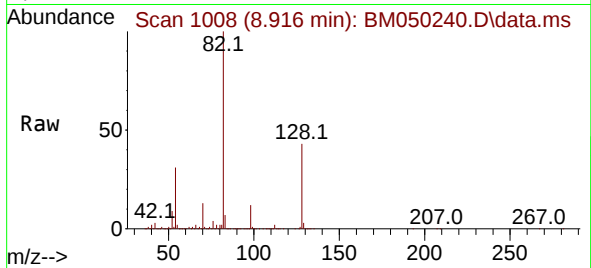




#23
Nitrobenzene-d5
Concen: 96.983 ng
RT: 8.916 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

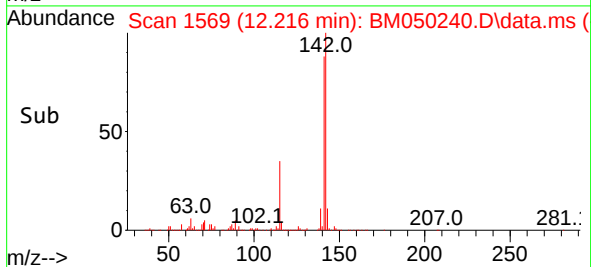
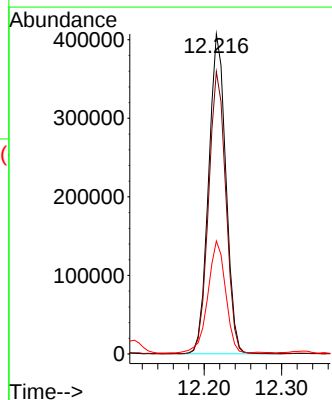
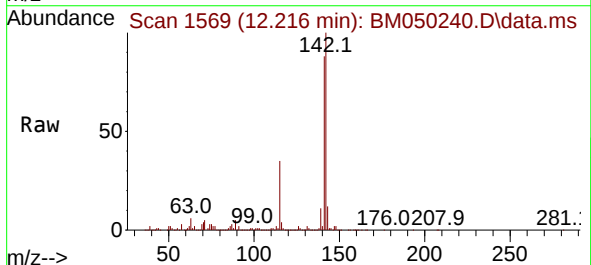
Instrument :
BNA_M
ClientSampleId :

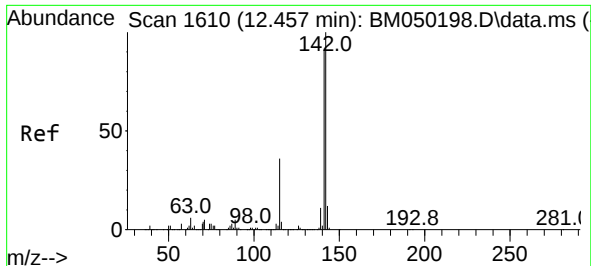
Tgt Ion: 82 Resp: 1883291
Ion Ratio Lower Upper
82 100
128 43.3 35.2 52.8
54 31.2 24.5 36.7



#37
2-Methylnaphthalene
Concen: 19.966 ng
RT: 12.216 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

Tgt Ion:142 Resp: 628927
Ion Ratio Lower Upper
142 100
141 88.2 71.5 107.3
115 35.3 27.8 41.8

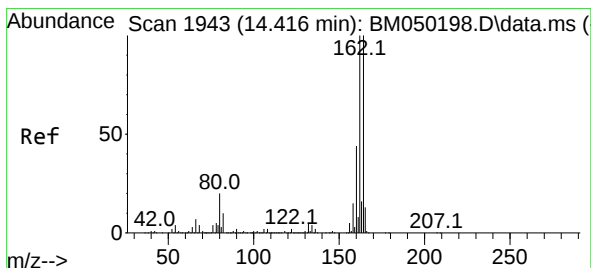
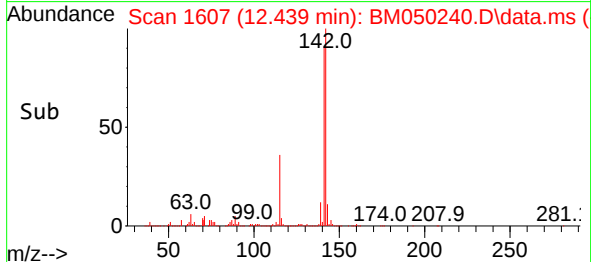
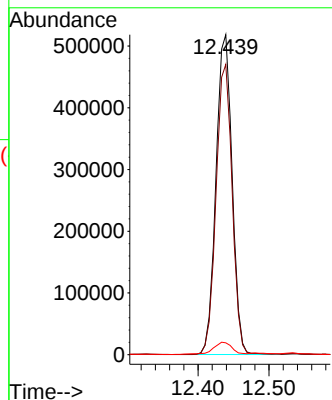
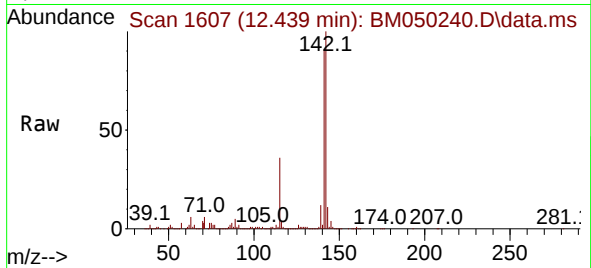




#38
1-Methylnaphthalene
Concen: 24.335 ng
RT: 12.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

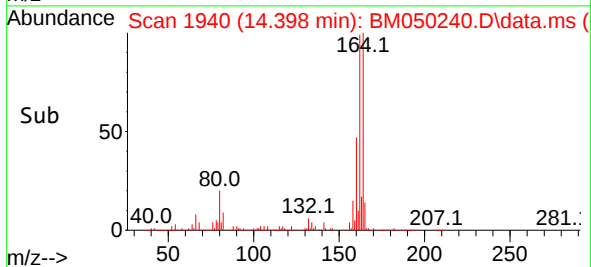
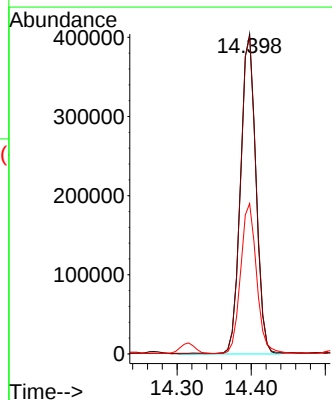
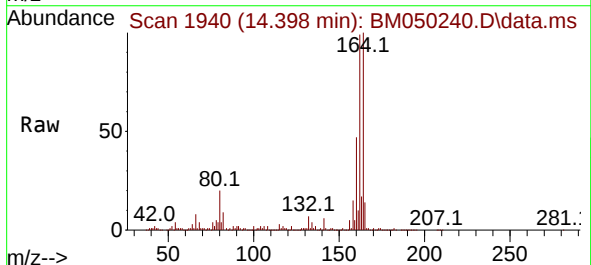
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ClientSampleId :

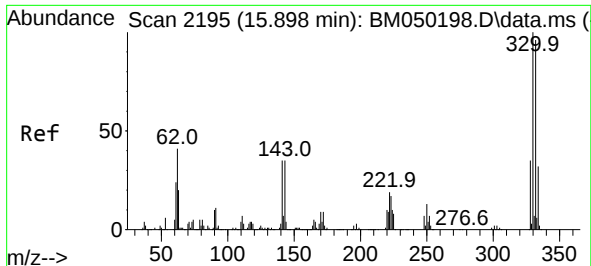
Tgt Ion:142 Resp: 813617
Ion Ratio Lower Upper
142 100
141 90.7 72.9 109.3
116 3.7 3.0 4.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

Tgt Ion:164 Resp: 581596
Ion Ratio Lower Upper
164 100
162 99.0 80.2 120.4
160 47.0 35.7 53.5

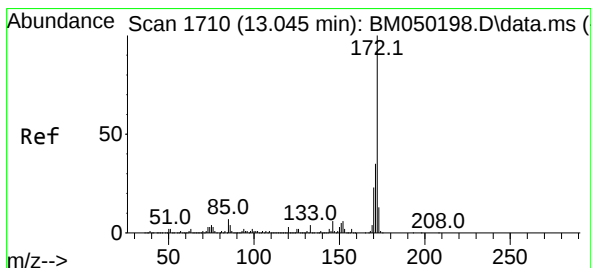
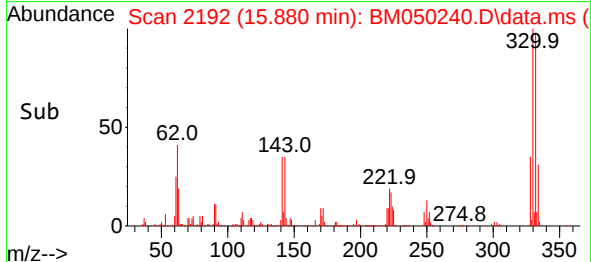
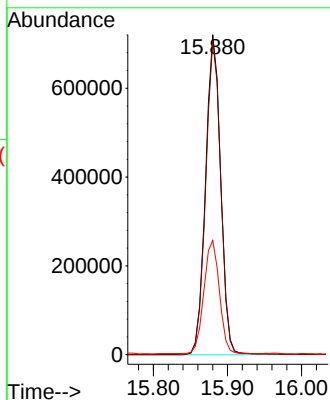
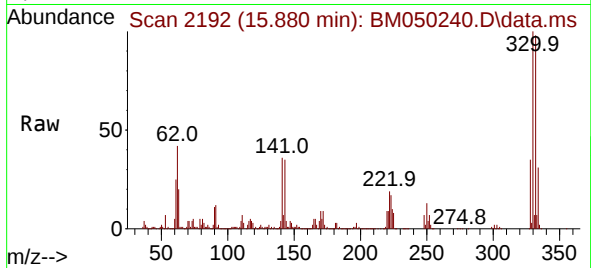




#42
2,4,6-Tribromophenol
Concen: 154.510 ng
RT: 15.880 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

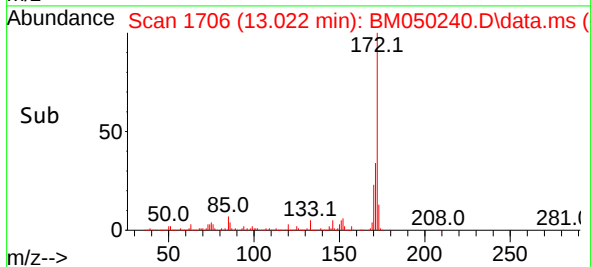
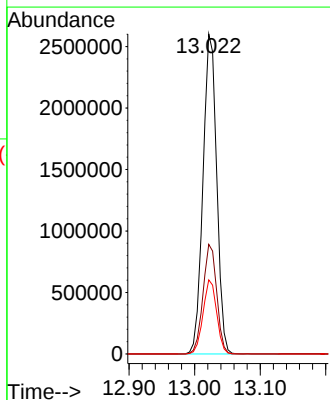
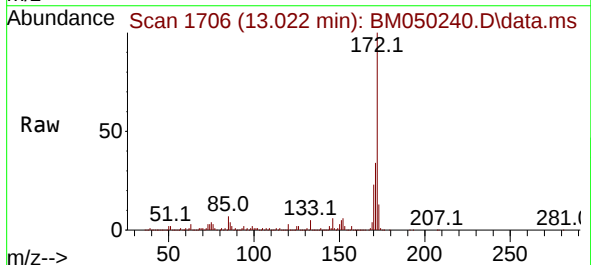
Instrument :
BNA_M
ClientSampleId :

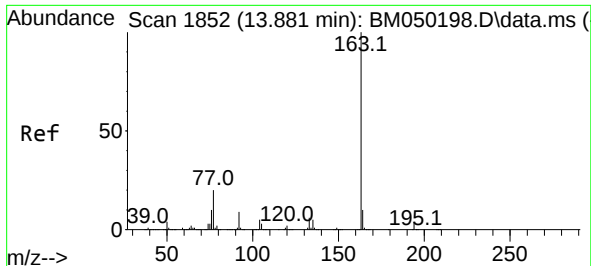
Tgt Ion:330 Resp: 1022118
Ion Ratio Lower Upper
330 100
332 97.5 77.5 116.3
141 36.3 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 88.348 ng
RT: 13.022 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

Tgt Ion:172 Resp: 3795297
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 23.1 18.6 27.8

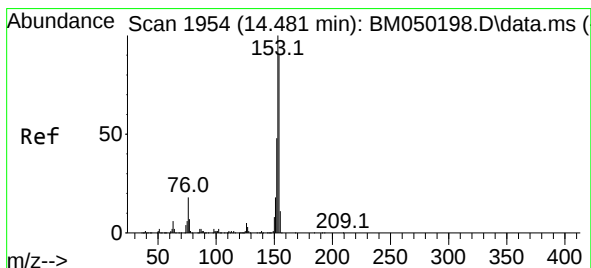
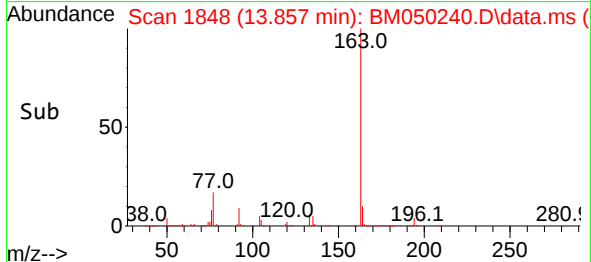
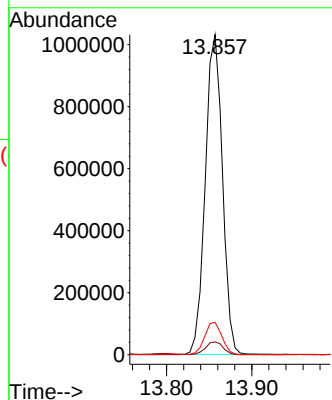
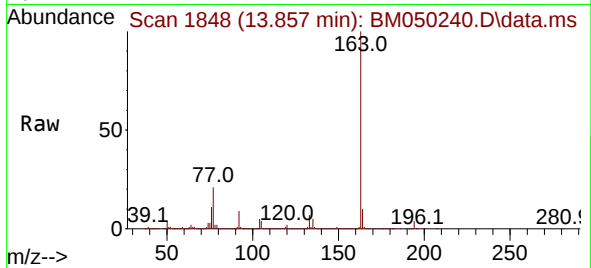




#50
Dimethylphthalate
Concen: 36.620 ng
RT: 13.857 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

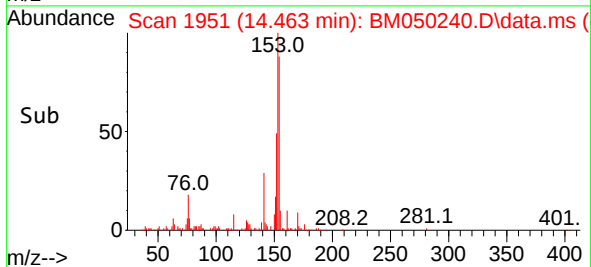
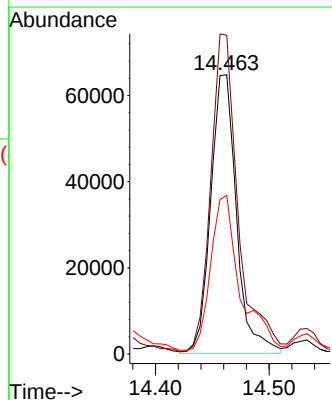
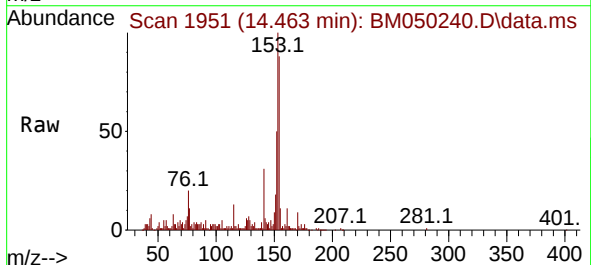
Instrument :
BNA_M
ClientSampleId :

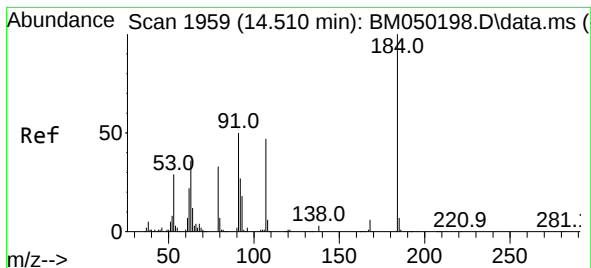
Tgt Ion:163 Resp: 1440398
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.1 7.9 11.9



#52
Acenaphthene
Concen: 2.976 ng
RT: 14.463 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

Tgt Ion:154 Resp: 101935
Ion Ratio Lower Upper
154 100
153 114.2 88.7 133.1
152 56.9 42.6 63.8

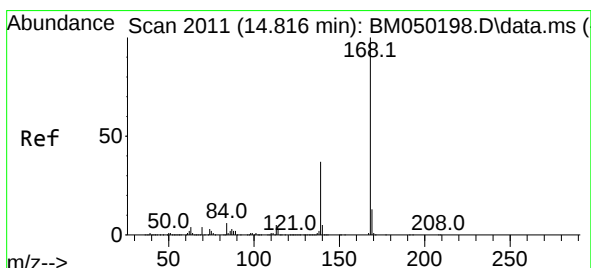
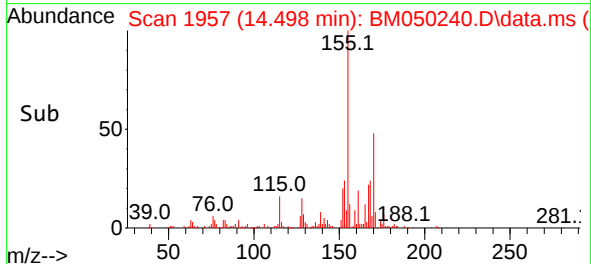
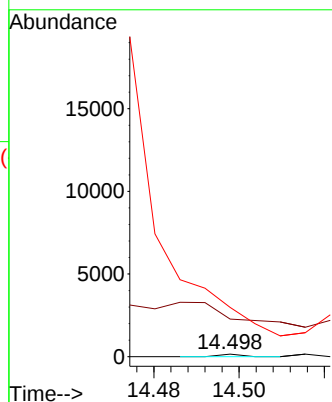
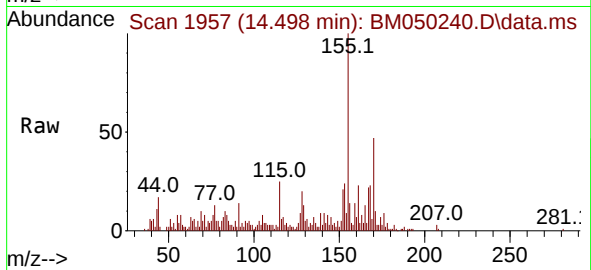




#54
2,4-Dinitrophenol
Concen: 6.232 ng
RT: 14.498 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

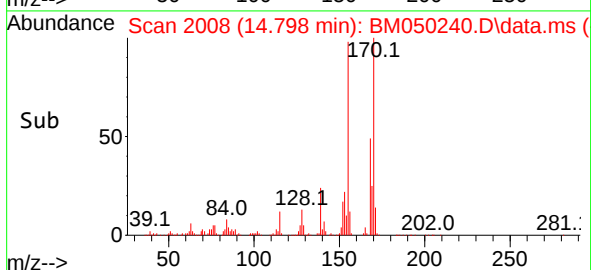
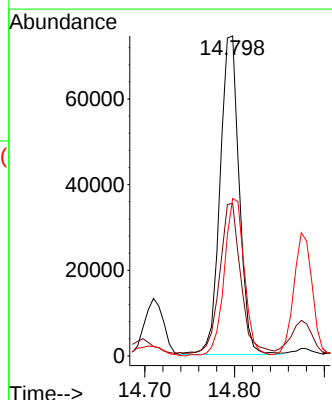
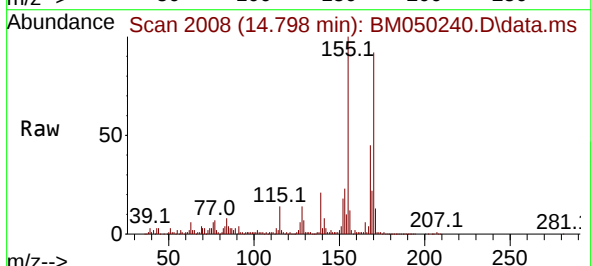
Instrument :
BNA_M
ClientSampleId :

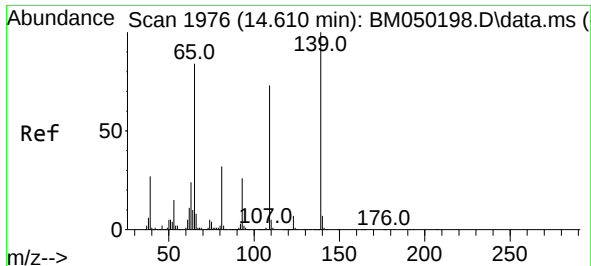
Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 1439.2 45.3 67.9#
154 1889.2 54.3 81.5#



#55
Dibenzofuran
Concen: 2.202 ng
RT: 14.798 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

Tgt Ion:168 Resp: 110355
Ion Ratio Lower Upper
168 100
139 47.6 29.9 44.9#
169 49.2 10.6 16.0#

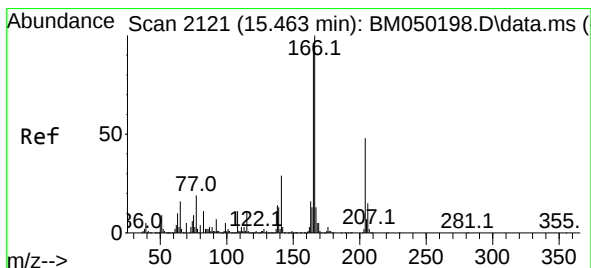
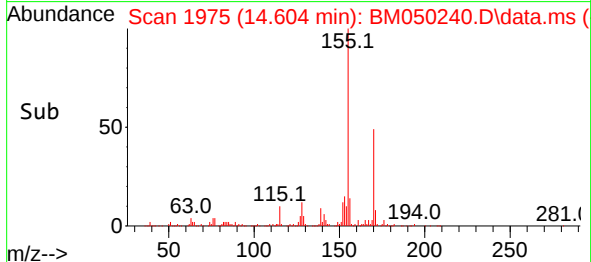
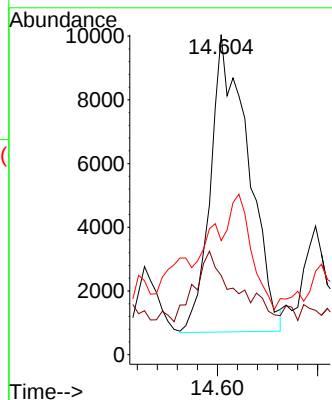
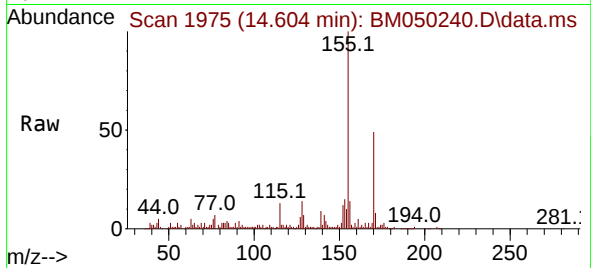




#56
4-Nitrophenol
Concen: 3.240 ng
RT: 14.604 min Scan# 1976
Delta R.T. 0.006 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

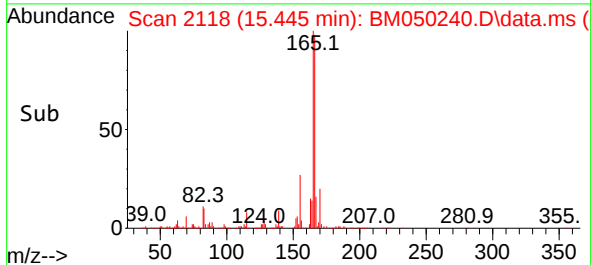
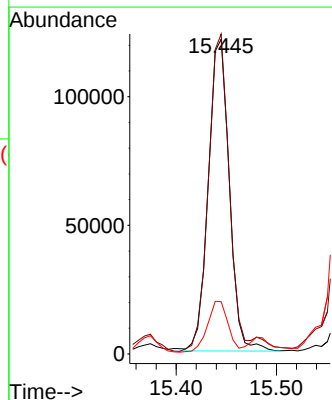
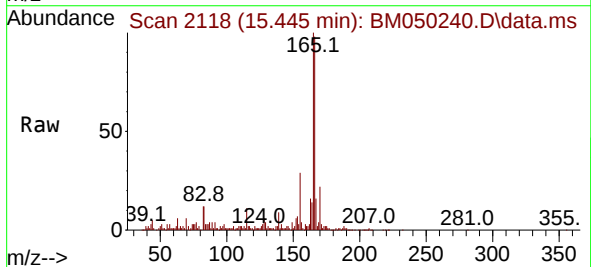
Instrument :
BNA_M
ClientSampleId :

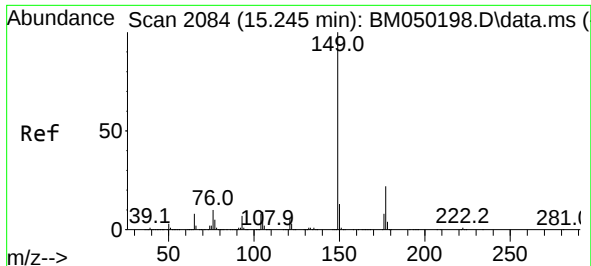
Tgt Ion:139 Resp: 24379
Ion Ratio Lower Upper
139 100
109 24.7 52.6 92.6#
65 35.7 64.3 104.3#



#58
Fluorene
Concen: 4.588 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

Tgt Ion:166 Resp: 176099
Ion Ratio Lower Upper
166 100
165 101.7 77.0 115.4
167 16.6 10.7 16.1#

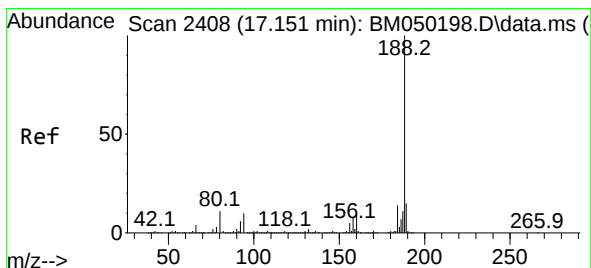
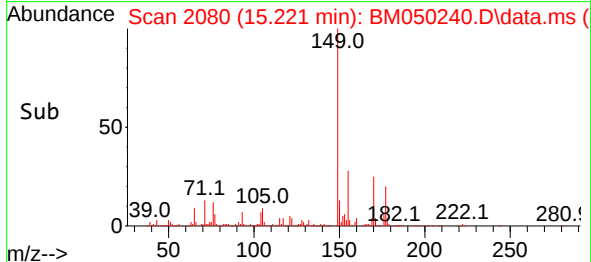
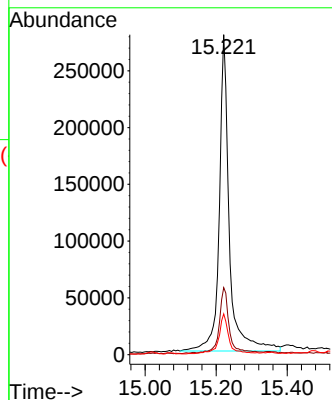
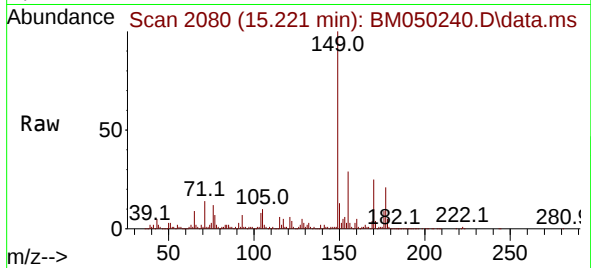




#60
Diethylphthalate
Concen: 14.044 ng
RT: 15.221 min Scan# 2084
Delta R.T. -0.006 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

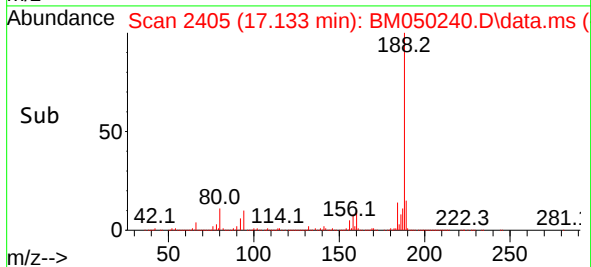
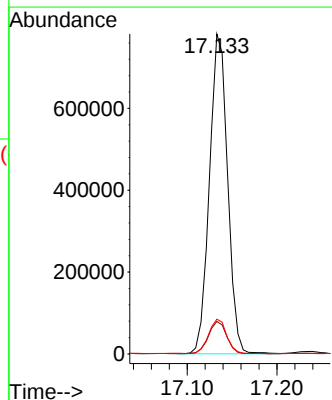
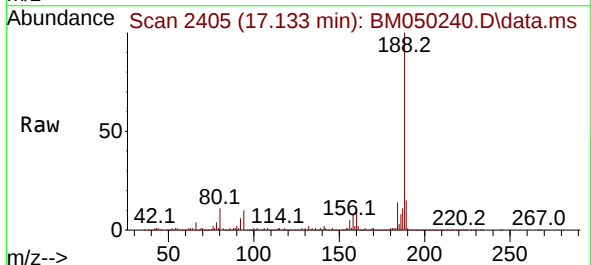
Instrument :
BNA_M
ClientSampleId :

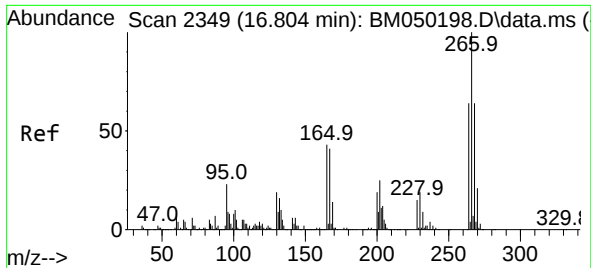
Tgt Ion:149 Resp: 548102
Ion Ratio Lower Upper
149 100
177 20.9 17.2 25.8
150 12.7 10.0 15.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.133 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

Tgt Ion:188 Resp: 1095565
Ion Ratio Lower Upper
188 100
94 10.1 8.1 12.1
80 10.8 8.6 13.0

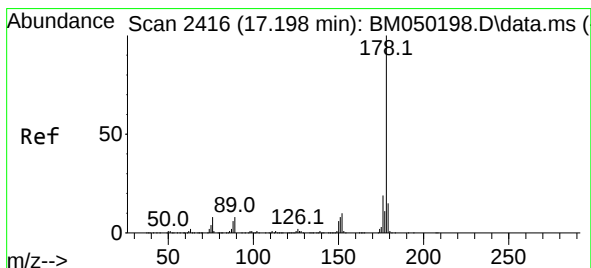
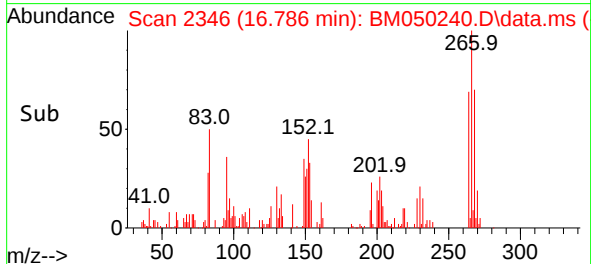
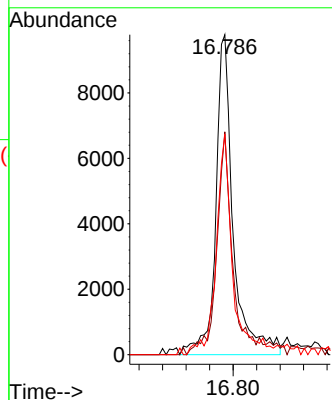
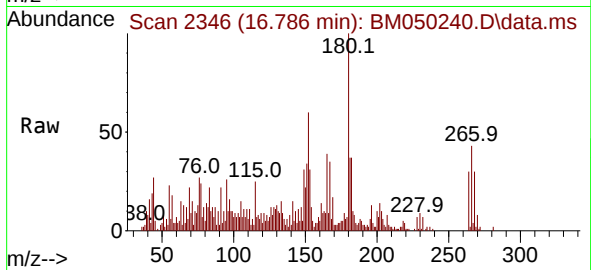




#70
 Pentachlorophenol
 Concen: 2.268 ng
 RT: 16.786 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM050240.D
 Acq: 09 Jun 2025 13:29

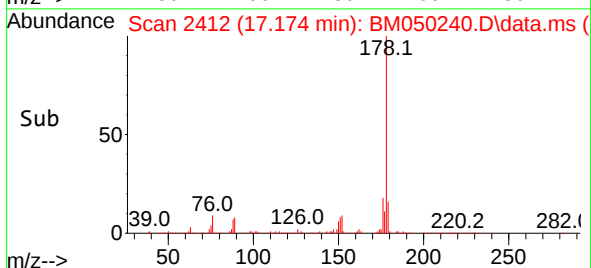
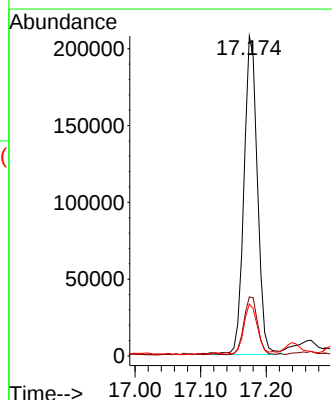
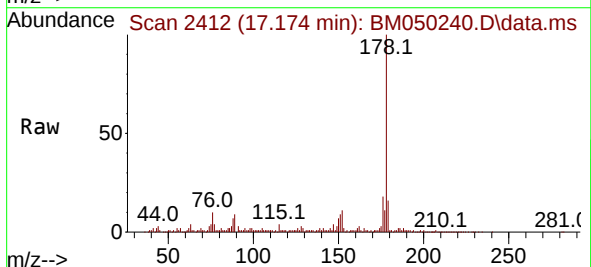
Instrument :
 BNA_M
 ClientSampleId :

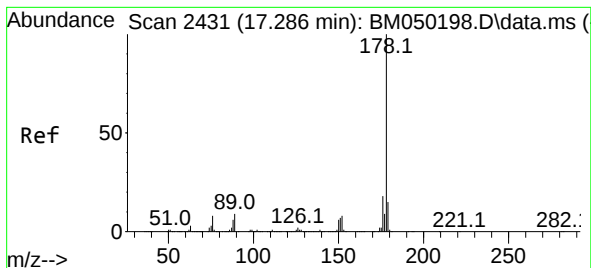
Tgt Ion	Ratio	Lower	Upper
266	100		
268	69.6	51.0	76.6
264	68.9	50.8	76.2



#71
 Phenanthrene
 Concen: 4.756 ng
 RT: 17.174 min Scan# 2412
 Delta R.T. -0.006 min
 Lab File: BM050240.D
 Acq: 09 Jun 2025 13:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	16.2	12.3	18.5





#72

Anthracene

Concen: 4.754 ng

RT: 17.174 min Scan# 2431

Delta R.T. -0.094 min

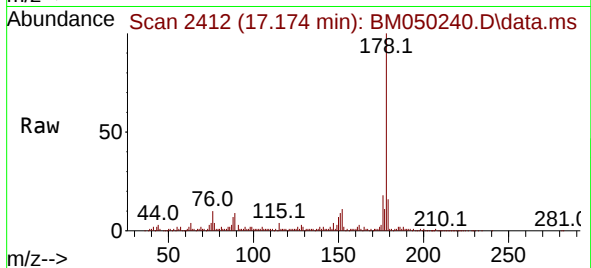
Lab File: BM050240.D

Acq: 09 Jun 2025 13:29

Instrument :

BNA_M

ClientSampleId :



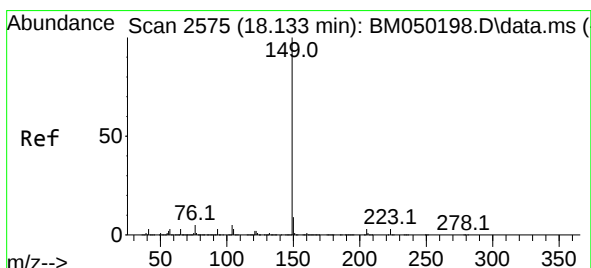
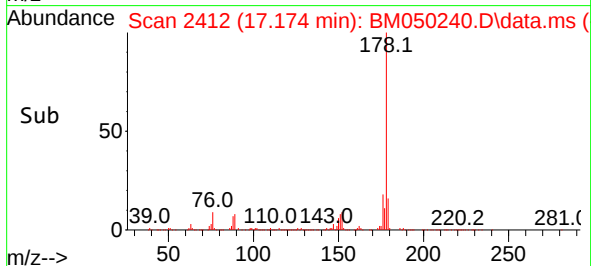
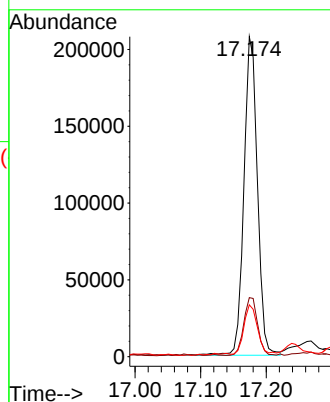
Tgt Ion:178 Resp: 297659

Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 16.2 12.3 18.5



#74

Di-n-butylphthalate

Concen: 10.291 ng

RT: 18.115 min Scan# 2572

Delta R.T. 0.000 min

Lab File: BM050240.D

Acq: 09 Jun 2025 13:29

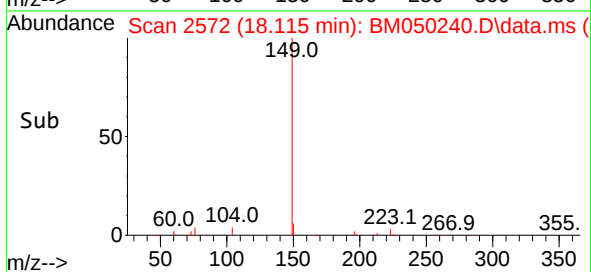
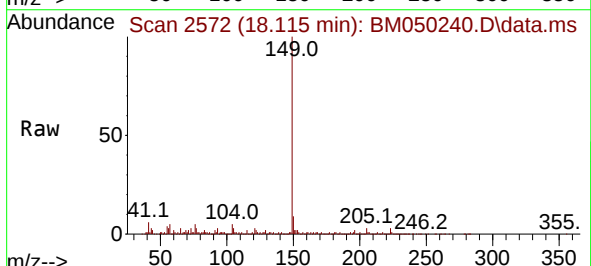
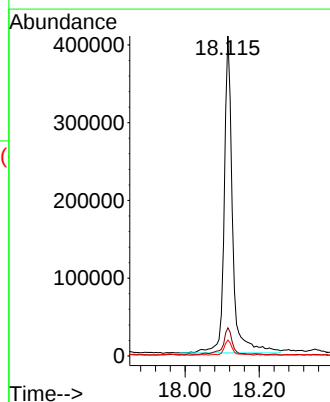
Tgt Ion:149 Resp: 638718

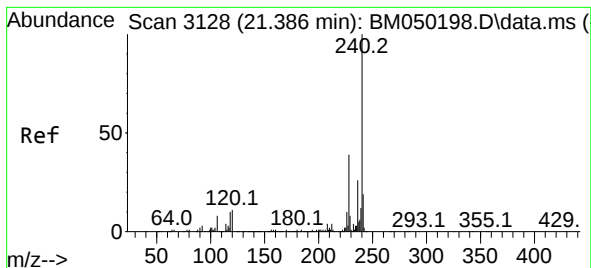
Ion Ratio Lower Upper

149 100

150 8.8 7.4 11.0

104 5.0 4.0 6.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.362 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM050240.D

Acq: 09 Jun 2025 13:29

Instrument :

BNA_M

ClientSampleId :

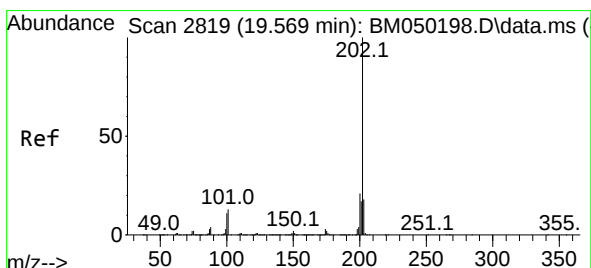
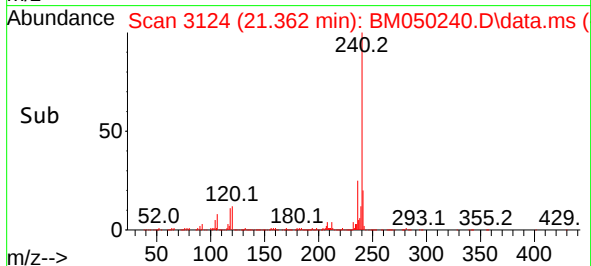
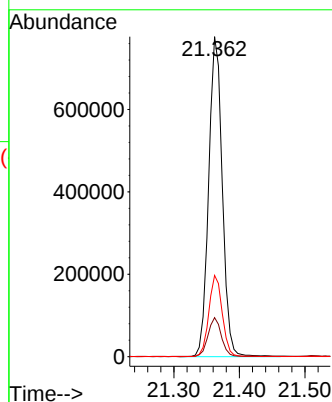
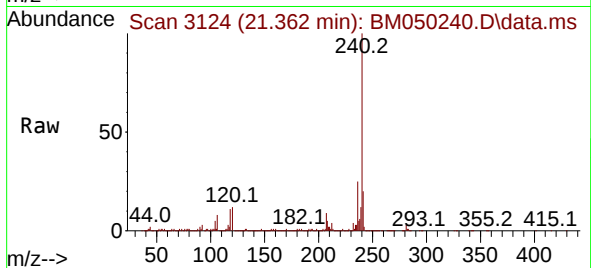
Tgt Ion:240 Resp: 1122304

Ion Ratio Lower Upper

240 100

120 12.2 9.0 13.4

236 25.4 20.7 31.1



#78

Pyrene

Concen: 2.218 ng

RT: 19.550 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BM050240.D

Acq: 09 Jun 2025 13:29

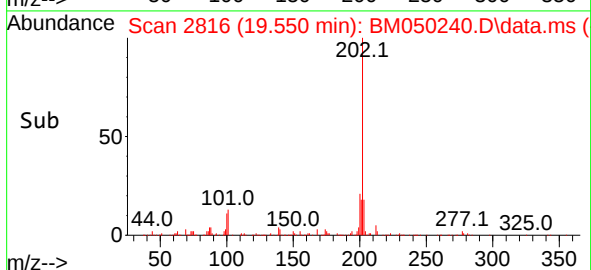
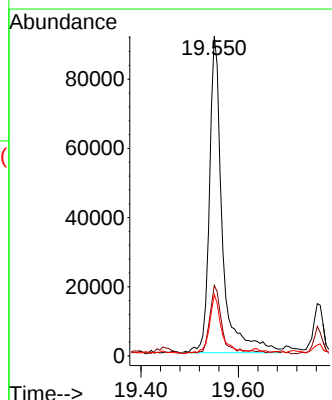
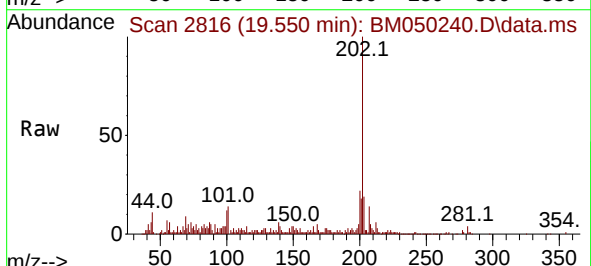
Tgt Ion:202 Resp: 167785

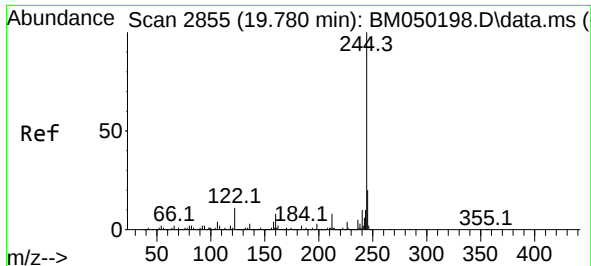
Ion Ratio Lower Upper

202 100

200 22.1 16.7 25.1

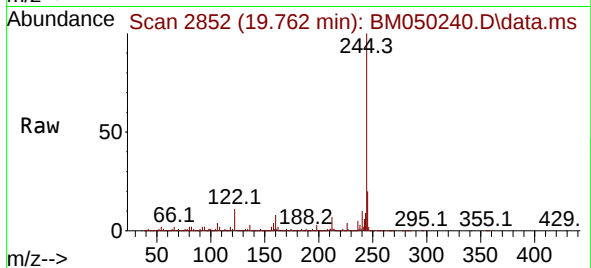
203 19.2 14.1 21.1



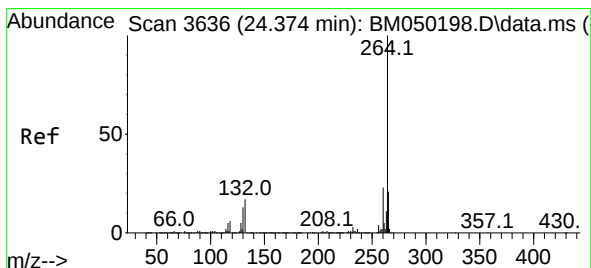
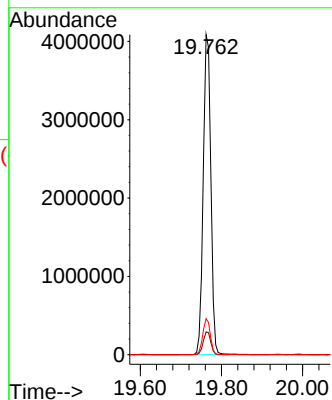
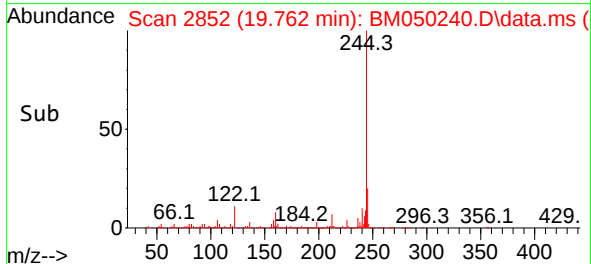


#79
Terphenyl-d14
Concen: 90.067 ng
RT: 19.762 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

Instrument :
BNA_M
ClientSampleId :



Tgt Ion:244 Resp: 5334082
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# 3630
Delta R.T. -0.006 min
Lab File: BM050240.D
Acq: 09 Jun 2025 13:29

Tgt Ion:264 Resp: 1282474
Ion Ratio Lower Upper
264 100
260 22.5 18.6 28.0
265 21.7 16.8 25.2

