

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
 Data File : BM050248.D
 Acq On : 09 Jun 2025 19:01
 Operator : RC/JU
 Sample : Q2236-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 10 01:26:00 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)

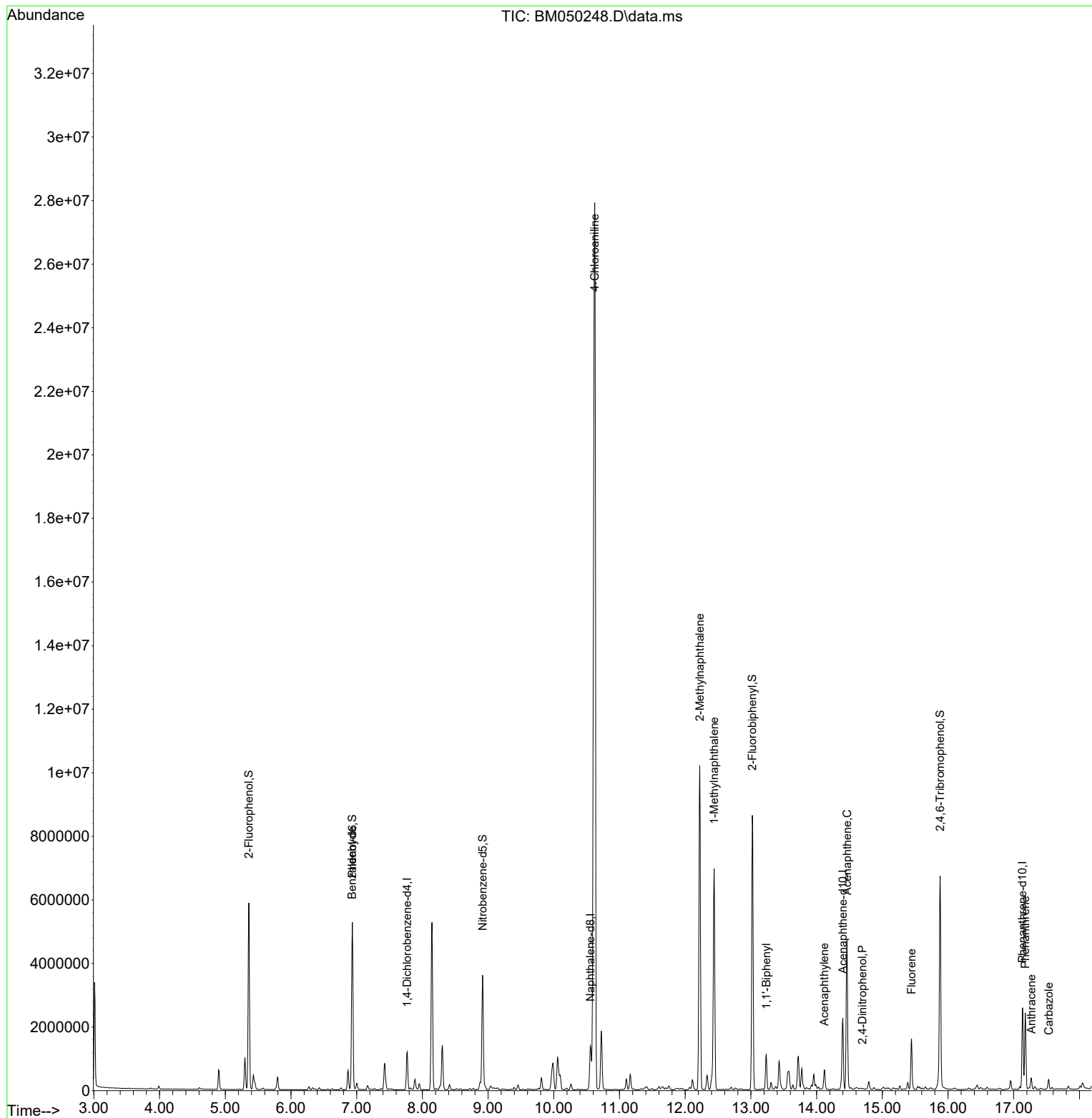
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	334436	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	1312450	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	761229	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1459849	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1563302	20.000	ng	-0.01
86) Perylene-d12	24.344	264	1685599	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2752148	137.275	ng	0.00
7) Phenol-d6	6.934	99	3189329	120.845	ng	0.00
23) Nitrobenzene-d5	8.916	82	2263913	89.712	ng	0.00
42) 2,4,6-Tribromophenol	15.880	330	1287864	148.741	ng	0.00
45) 2-Fluorobiphenyl	13.022	172	4606639	81.929	ng	0.00
79) Terphenyl-d14	19.762	244	6889305	83.512	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.928	77	37929	2.260	ng	# 1
33) 4-Chloroaniline	10.622	127	3974270	137.376	ng	# 35
37) 2-Methylnaphthalene	12.222	142	4908486	119.906	ng	98
38) 1-Methylnaphthalene	12.439	142	3260277	75.038	ng	99
46) 1,1'-Biphenyl	13.233	154	580651	10.187	ng	99
49) Acenaphthylene	14.116	152	258538	3.607	ng	# 96
52) Acenaphthene	14.463	154	1714018	38.233	ng	98
54) 2,4-Dinitrophenol	14.698	184	72	6.232	ng	# 1
58) Fluorene	15.445	166	693734	13.810	ng	99
71) Phenanthrene	17.174	178	1412684	16.939	ng	99
72) Anthracene	17.268	178	225734	2.706	ng	99
73) Carbazole	17.533	167	198686	2.614	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050248.D
Acq On : 09 Jun 2025 19:01
Operator : RC/JU
Sample : Q2236-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

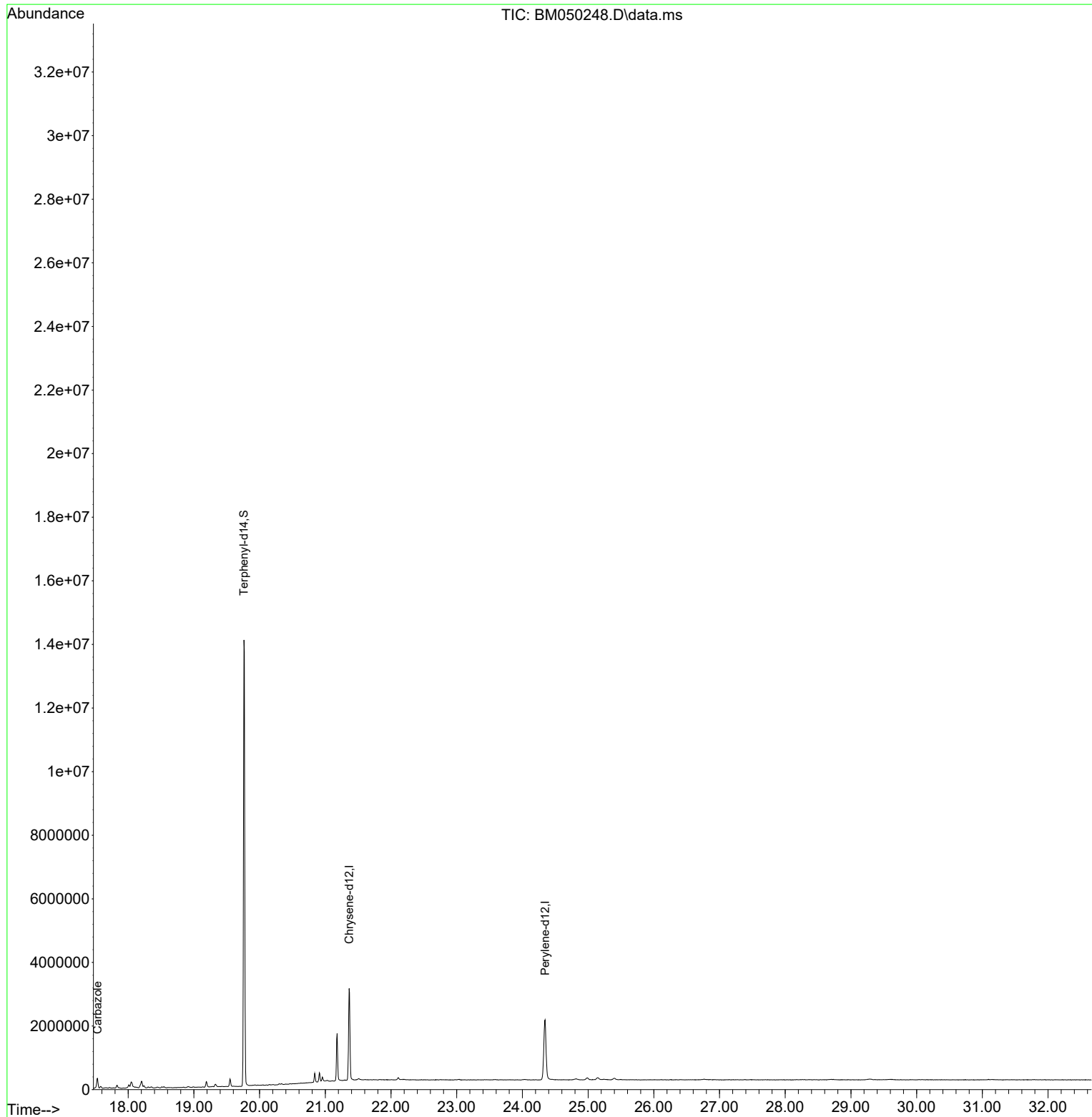
Quant Time: Jun 10 01:26:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

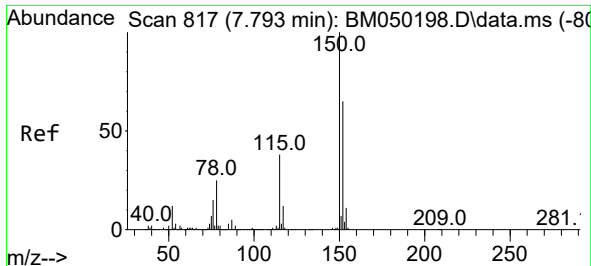


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050248.D
Acq On : 09 Jun 2025 19:01
Operator : RC/JU
Sample : Q2236-07
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Jun 10 01:26:00 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

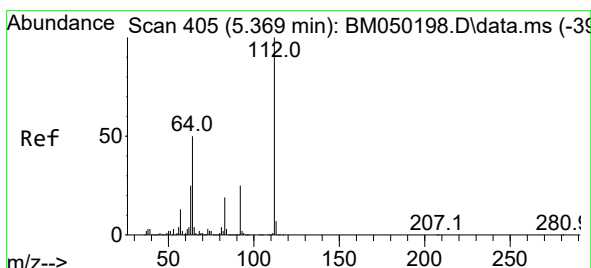
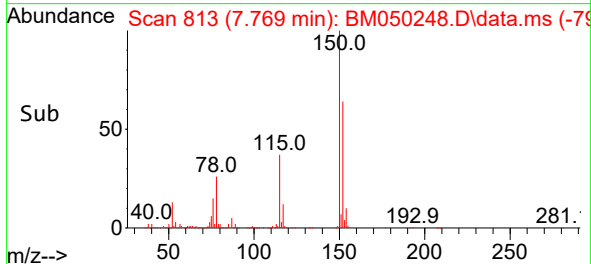
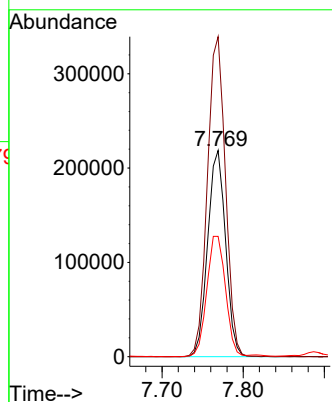
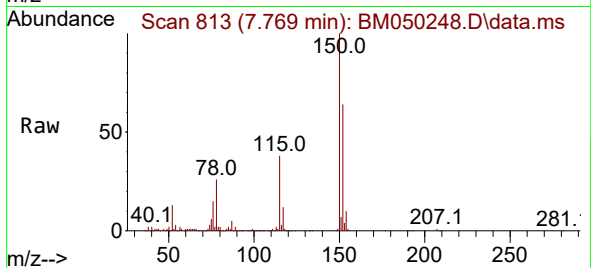




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050248.D
Acq: 09 Jun 2025 19:01

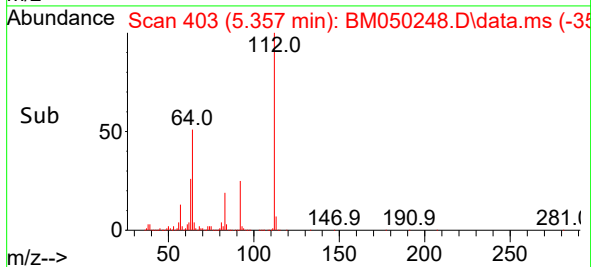
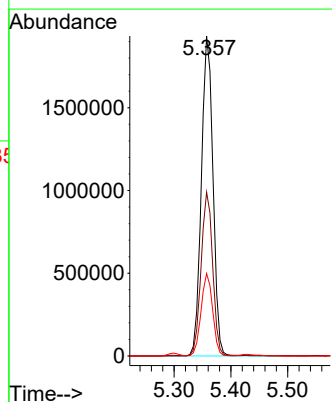
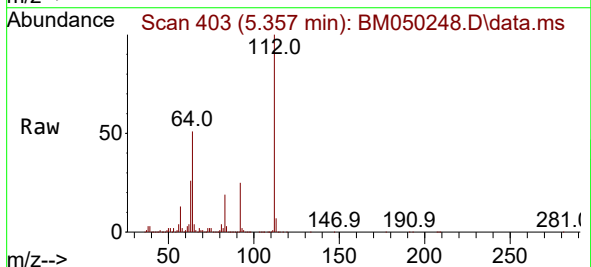
Instrument :
BNA_M
ClientSampleId :

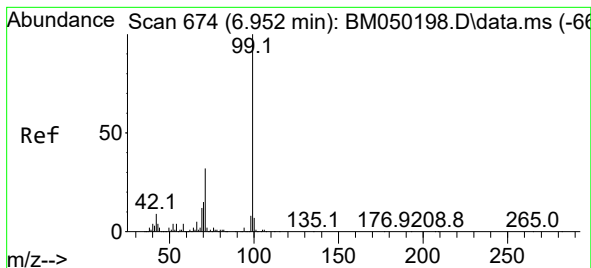
Tgt Ion:152 Resp: 334436
Ion Ratio Lower Upper
152 100
150 155.2 122.2 183.4
115 58.3 46.3 69.5



#5
2-Fluorophenol
Concen: 137.275 ng
RT: 5.357 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050248.D
Acq: 09 Jun 2025 19:01

Tgt Ion:112 Resp: 2752148
Ion Ratio Lower Upper
112 100
64 51.2 39.8 59.6
63 25.7 19.8 29.8

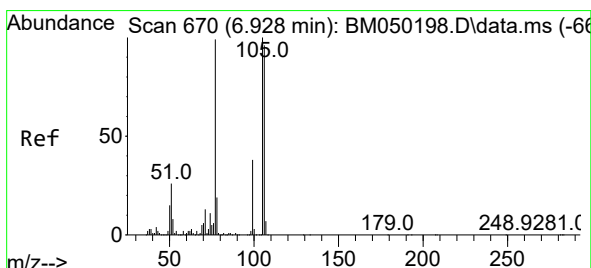
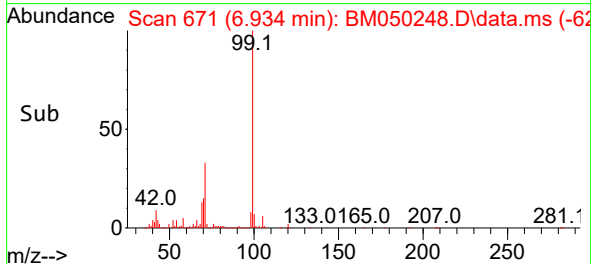
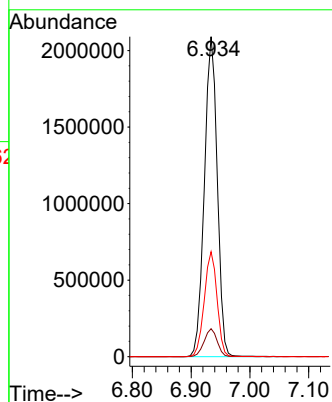
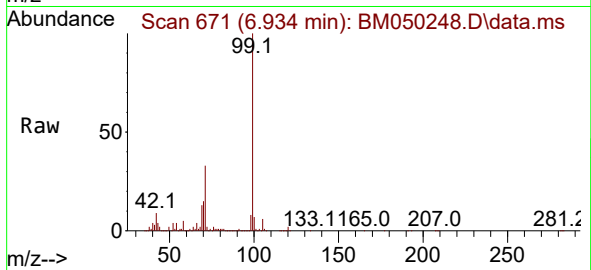




#7
Phenol-d6
Concen: 120.845 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM050248.D
Acq: 09 Jun 2025 19:01

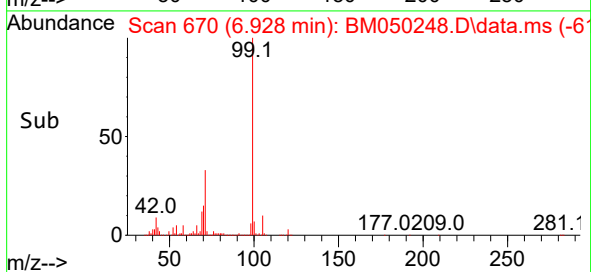
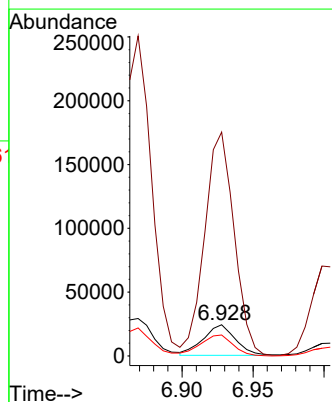
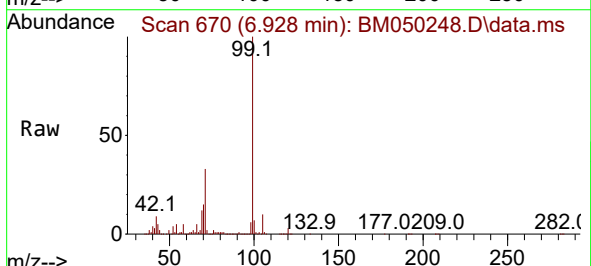
Instrument :
BNA_M
ClientSampleId :

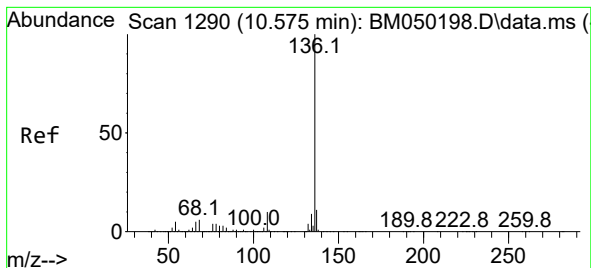
Tgt Ion: 99 Resp: 3189329
Ion Ratio Lower Upper
99 100
42 8.8 6.9 10.3
71 32.8 25.3 37.9



#9
Benzaldehyde
Concen: 2.260 ng
RT: 6.928 min Scan# 670
Delta R.T. 0.018 min
Lab File: BM050248.D
Acq: 09 Jun 2025 19:01

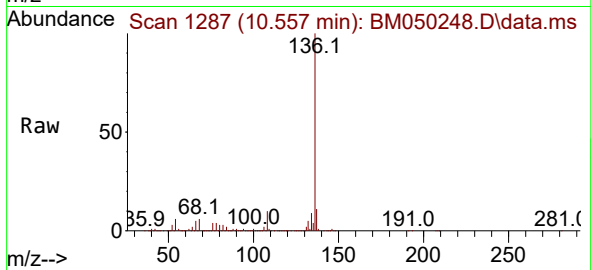
Tgt Ion: 77 Resp: 37929
Ion Ratio Lower Upper
77 100
105 717.0 80.9 120.9#
106 67.2 77.1 117.1#



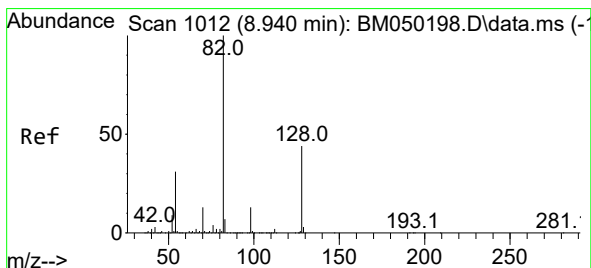
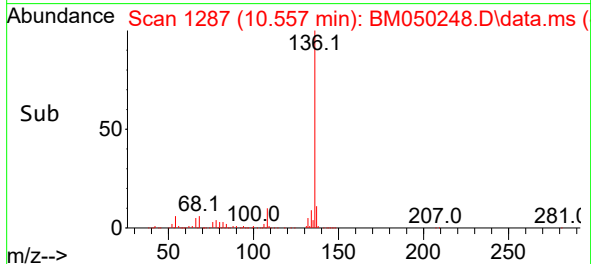
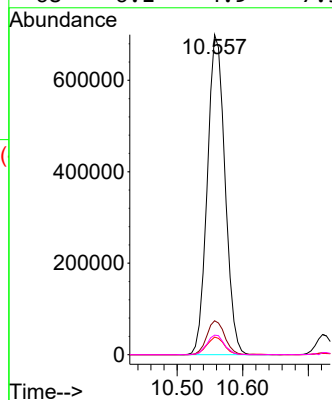


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050248.D
Acq: 09 Jun 2025 19:01

Instrument :
BNA_M
ClientSampleId :

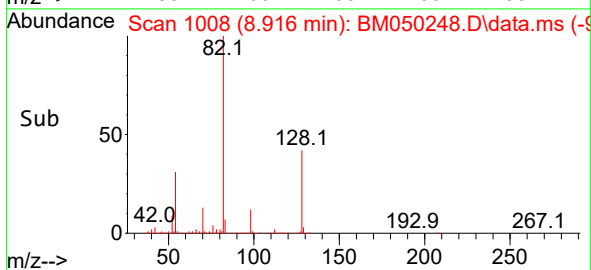
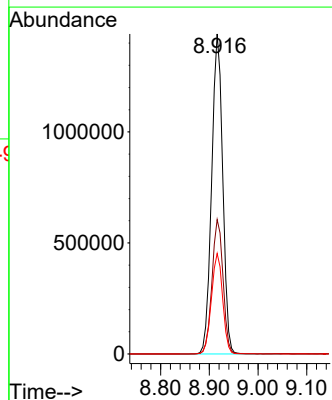
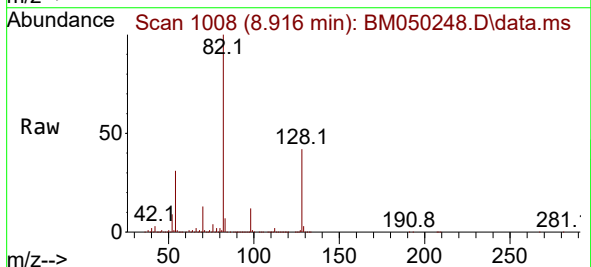


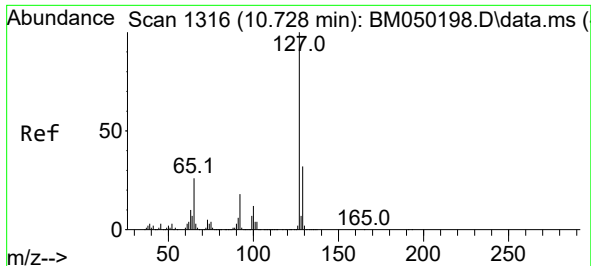
Tgt Ion:136 Resp: 1312450
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 5.5 3.8 5.8
68 6.1 4.9 7.3



#23
Nitrobenzene-d5
Concen: 89.712 ng
RT: 8.916 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BM050248.D
Acq: 09 Jun 2025 19:01

Tgt Ion: 82 Resp: 2263913
Ion Ratio Lower Upper
82 100
128 42.0 35.2 52.8
54 31.4 24.5 36.7

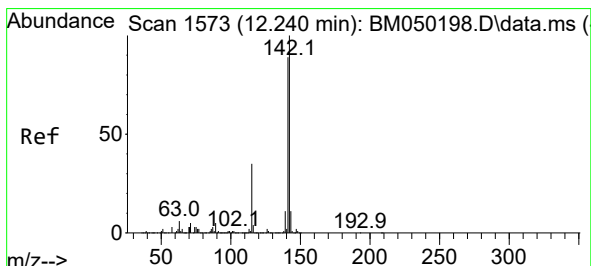
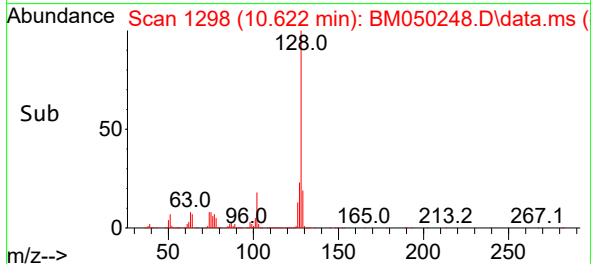
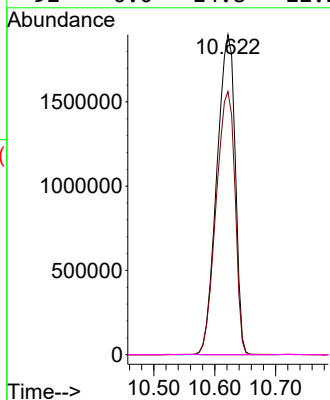
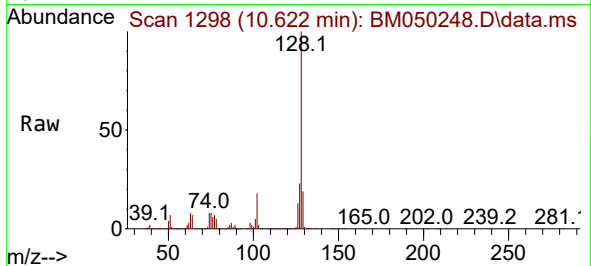




#33
4-Chloroaniline
Concen: 137.376 ng
RT: 10.622 min Scan# 11
Delta R.T. -0.088 min
Lab File: BM050248.D
Acq: 09 Jun 2025 19:01

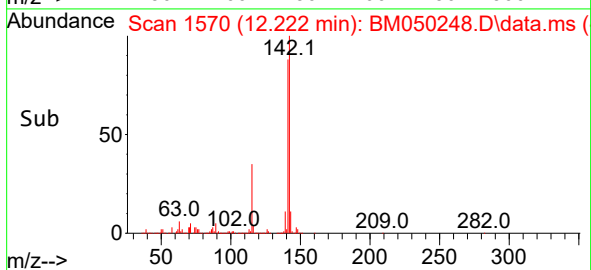
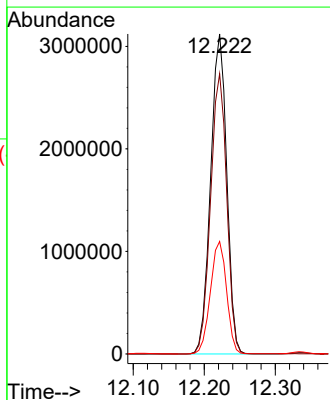
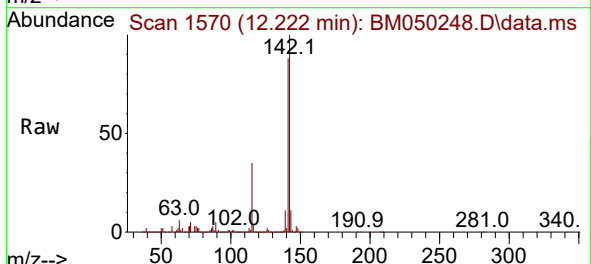
Instrument :
BNA_M
ClientSampleId :

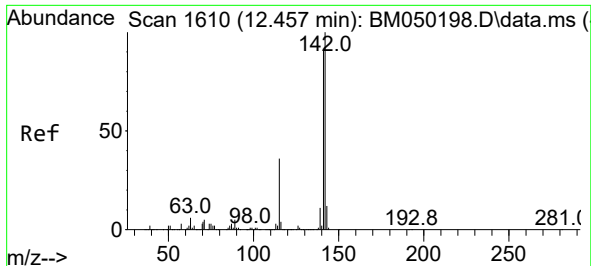
Tgt Ion:127 Resp: 3974270
Ion Ratio Lower Upper
127 100
129 82.2 25.4 38.0#
65 0.0 21.0 31.4#
92 0.0 14.8 22.2#



#37
2-Methylnaphthalene
Concen: 119.906 ng
RT: 12.222 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BM050248.D
Acq: 09 Jun 2025 19:01

Tgt Ion:142 Resp: 4908486
Ion Ratio Lower Upper
142 100
141 87.5 71.5 107.3
115 35.2 27.8 41.8

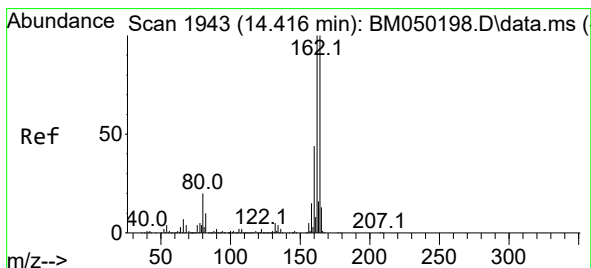
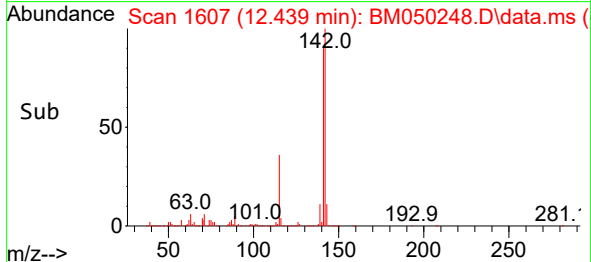
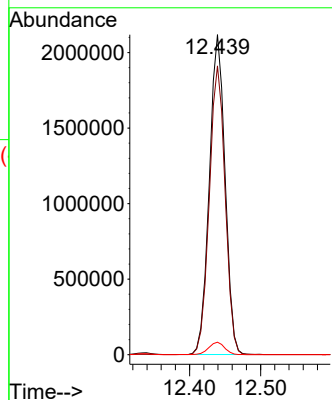
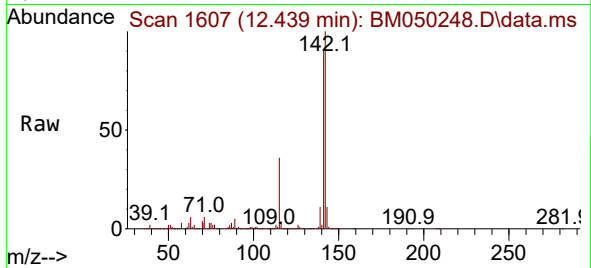




#38
1-Methylnaphthalene
Concen: 75.038 ng
RT: 12.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050248.D
Acq: 09 Jun 2025 19:01

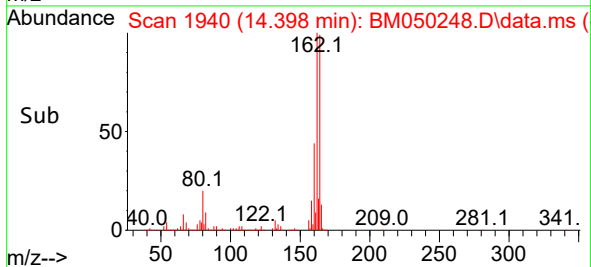
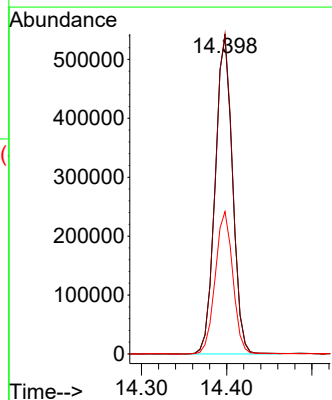
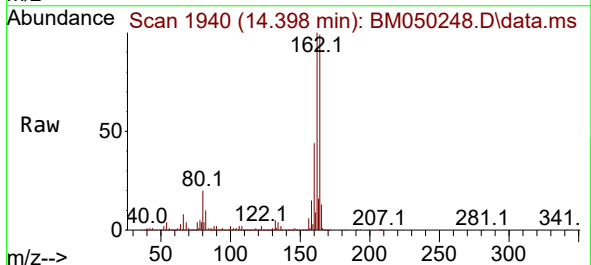
Instrument :
BNA_M
ClientSampleId :

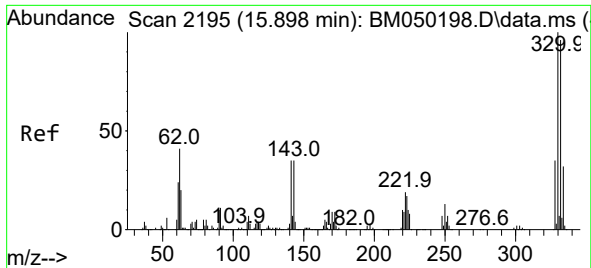
Tgt Ion:142 Resp: 3260277
Ion Ratio Lower Upper
142 100
141 90.2 72.9 109.3
116 3.9 3.0 4.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM050248.D
Acq: 09 Jun 2025 19:01

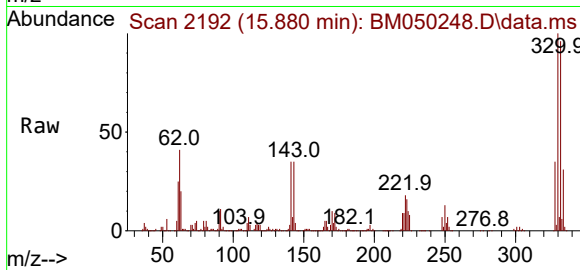
Tgt Ion:164 Resp: 761229
Ion Ratio Lower Upper
164 100
162 101.2 80.2 120.4
160 45.0 35.7 53.5



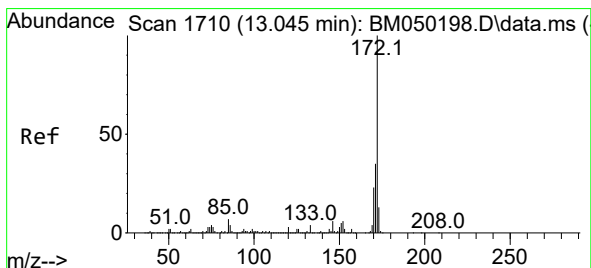
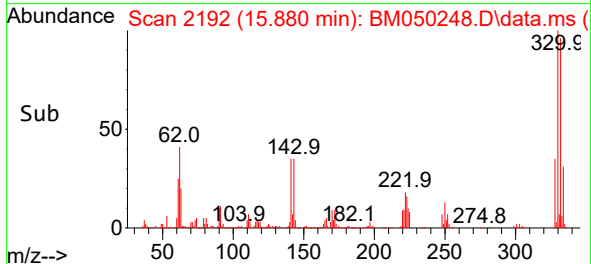
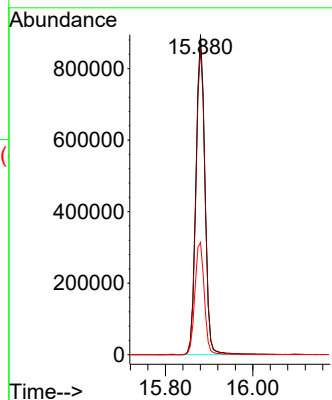


#42
2,4,6-Tribromophenol
Concen: 148.741 ng
RT: 15.880 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BM050248.D
Acq: 09 Jun 2025 19:01

Instrument :
BNA_M
ClientSampleId :

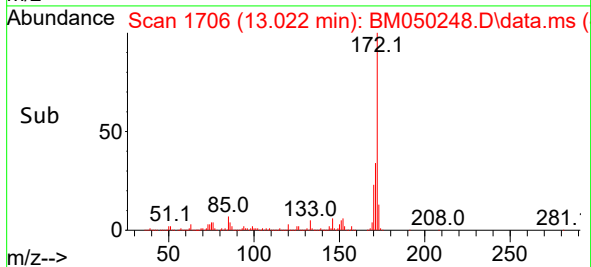
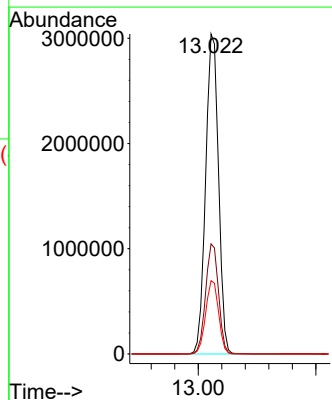
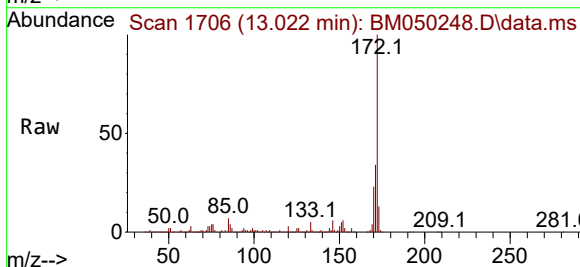


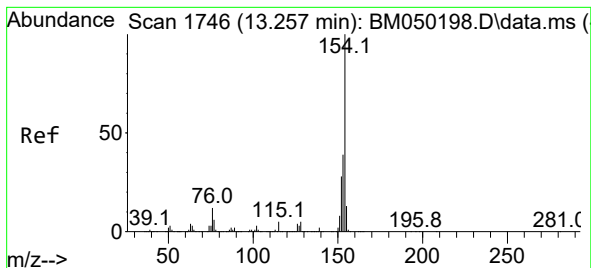
Tgt Ion:330 Resp: 1287864
Ion Ratio Lower Upper
330 100
332 96.8 77.5 116.3
141 36.4 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 81.929 ng
RT: 13.022 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BM050248.D
Acq: 09 Jun 2025 19:01

Tgt Ion:172 Resp: 4606639
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 22.9 18.6 27.8





#46

1,1'-Biphenyl

Concen: 10.187 ng

RT: 13.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050248.D

Acq: 09 Jun 2025 19:01

Instrument :

BNA_M

ClientSampleId :

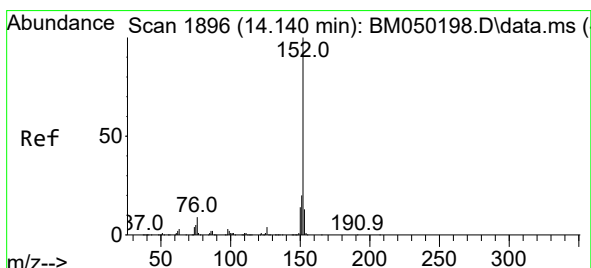
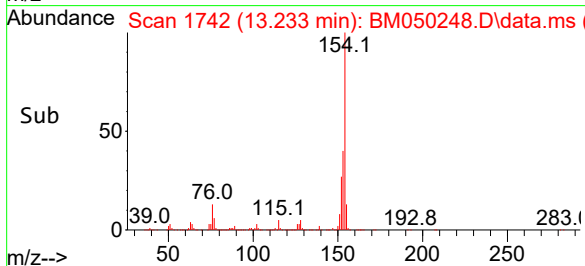
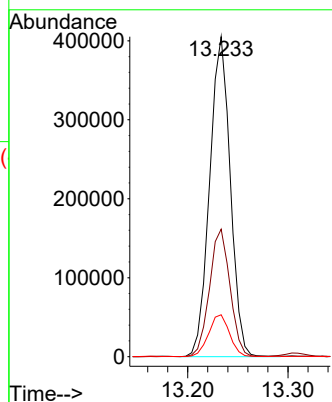
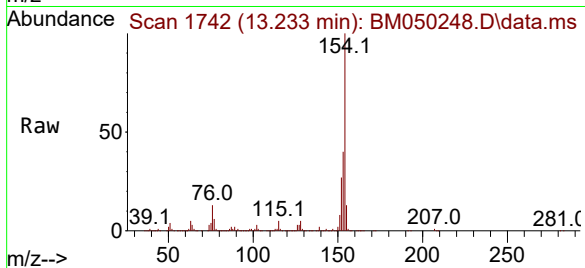
Tgt Ion:154 Resp: 580651

Ion Ratio Lower Upper

154 100

153 39.8 19.2 59.2

76 13.1 0.0 32.0



#49

Acenaphthylene

Concen: 3.607 ng

RT: 14.116 min Scan# 1892

Delta R.T. -0.006 min

Lab File: BM050248.D

Acq: 09 Jun 2025 19:01

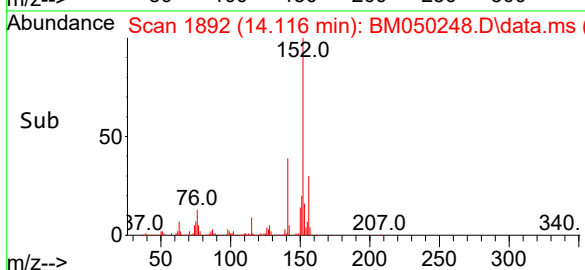
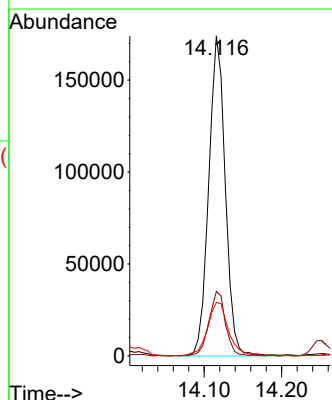
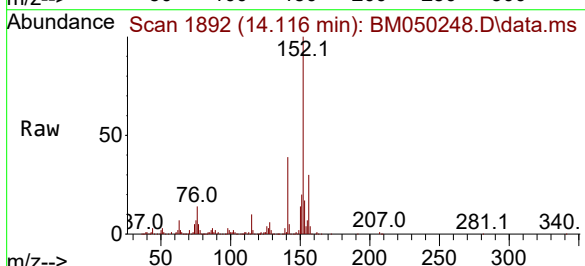
Tgt Ion:152 Resp: 258538

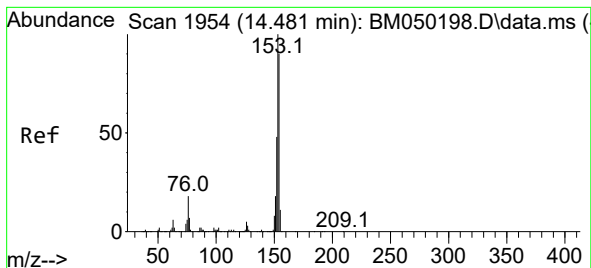
Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.6

153 16.7 10.4 15.6#





#52

Acenaphthene

Concen: 38.233 ng

RT: 14.463 min Scan# 1951

Delta R.T. 0.000 min

Lab File: BM050248.D

Acq: 09 Jun 2025 19:01

Instrument :

BNA_M

ClientSampleId :

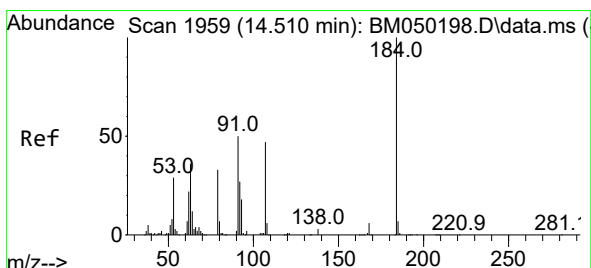
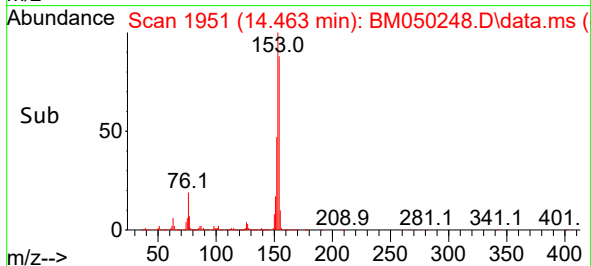
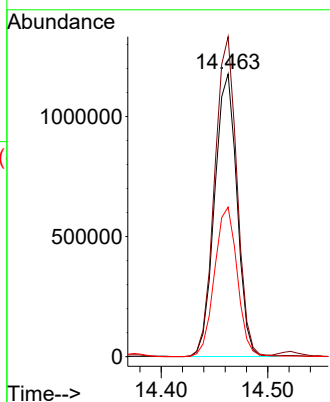
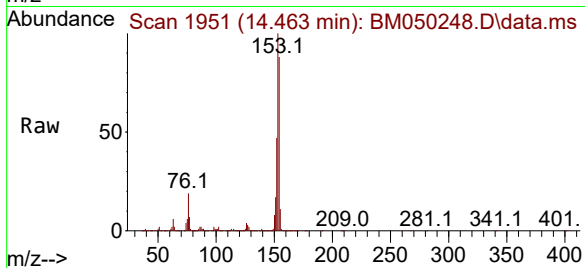
Tgt Ion:154 Resp: 1714018

Ion Ratio Lower Upper

154 100

153 113.2 88.7 133.1

152 52.9 42.6 63.8



#54

2,4-Dinitrophenol

Concen: 6.232 ng

RT: 14.698 min Scan# 1991

Delta R.T. 0.206 min

Lab File: BM050248.D

Acq: 09 Jun 2025 19:01

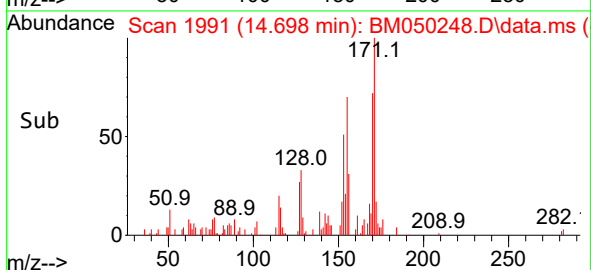
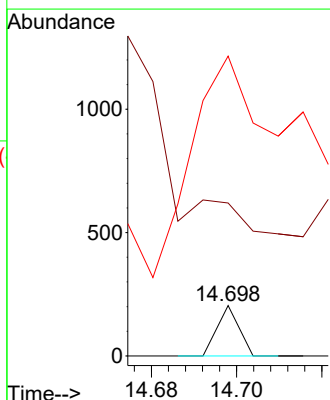
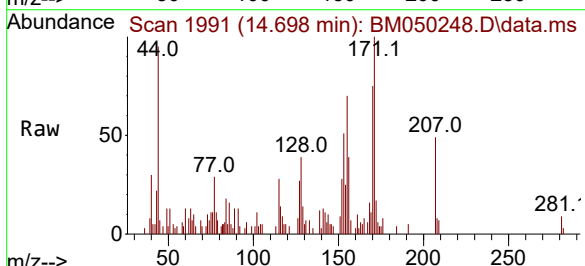
Tgt Ion:184 Resp: 72

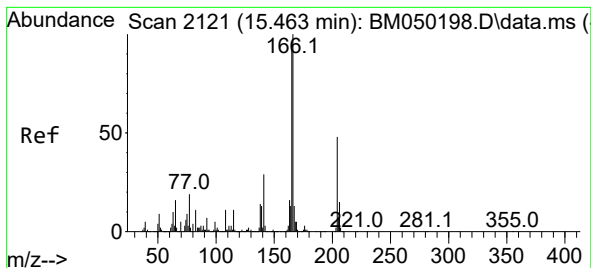
Ion Ratio Lower Upper

184 100

63 303.9 45.3 67.9#

154 595.6 54.3 81.5#





#58

Fluorene

Concen: 13.810 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM050248.D

Acq: 09 Jun 2025 19:01

Instrument :

BNA_M

ClientSampleId :

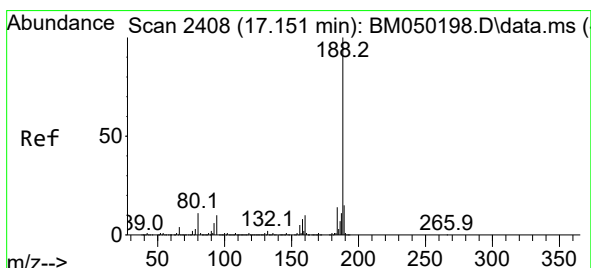
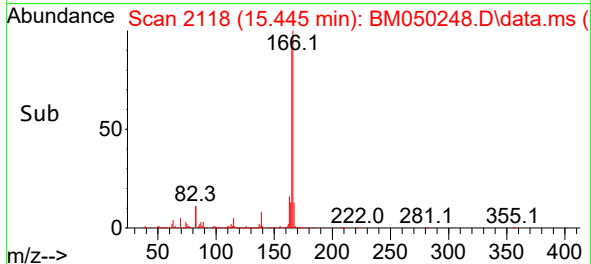
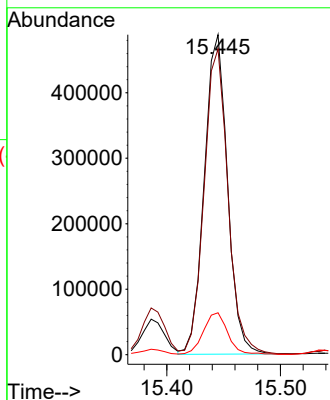
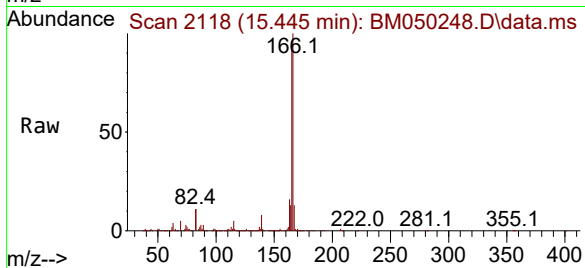
Tgt Ion:166 Resp: 693734

Ion Ratio Lower Upper

166 100

165 95.6 77.0 115.4

167 13.1 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: BM050248.D

Acq: 09 Jun 2025 19:01

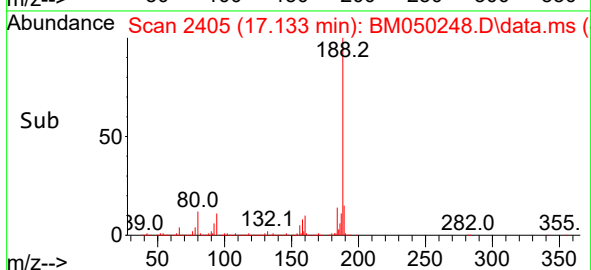
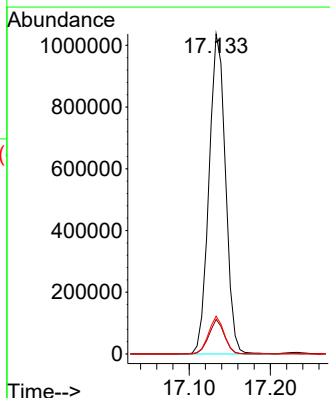
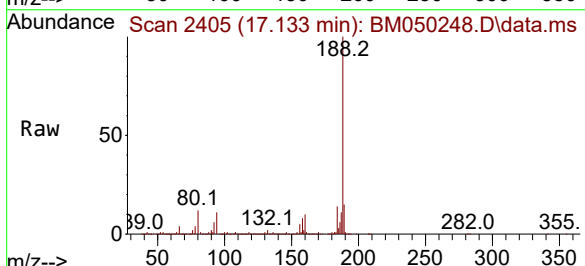
Tgt Ion:188 Resp: 1459849

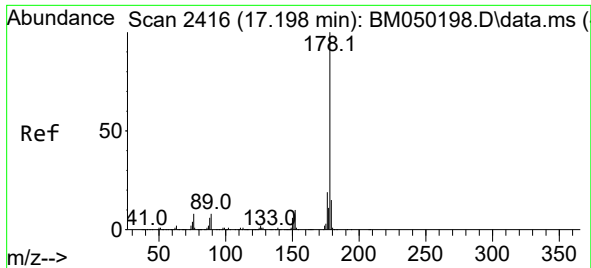
Ion Ratio Lower Upper

188 100

94 10.8 8.1 12.1

80 11.8 8.6 13.0

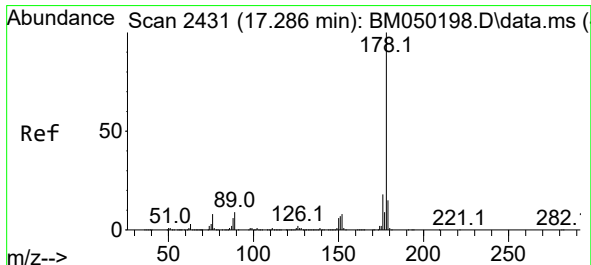
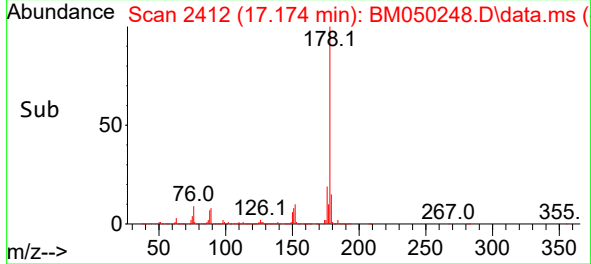
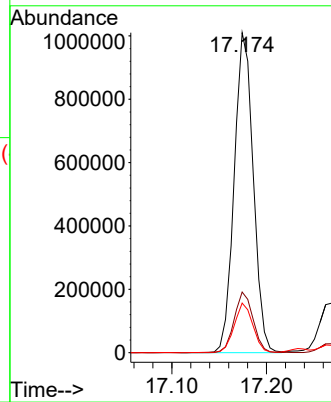
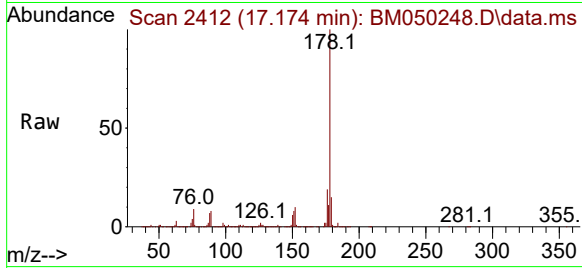




#71
Phenanthrene
Concen: 16.939 ng
RT: 17.174 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM050248.D
Acq: 09 Jun 2025 19:01

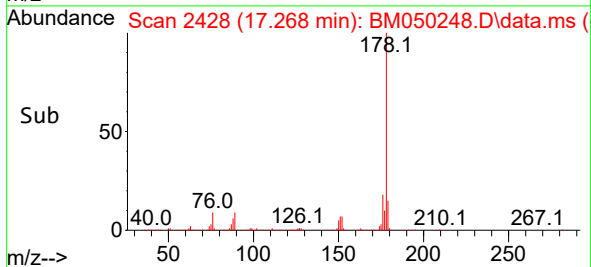
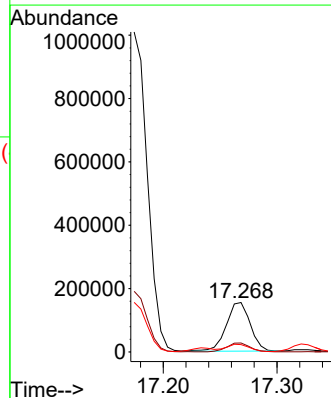
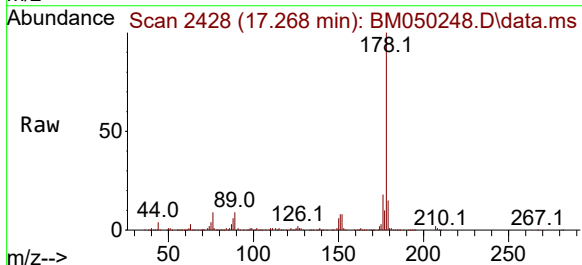
Instrument :
BNA_M
ClientSampleId :

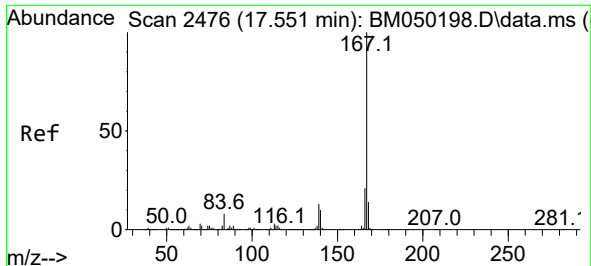
Tgt Ion:178 Resp: 1412684
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.5 12.3 18.5



#72
Anthracene
Concen: 2.706 ng
RT: 17.268 min Scan# 2428
Delta R.T. 0.000 min
Lab File: BM050248.D
Acq: 09 Jun 2025 19:01

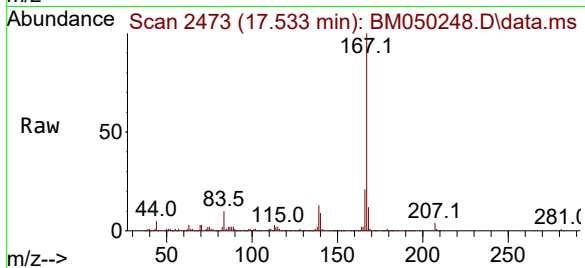
Tgt Ion:178 Resp: 225734
Ion Ratio Lower Upper
178 100
176 18.3 14.8 22.2
179 14.9 12.3 18.5





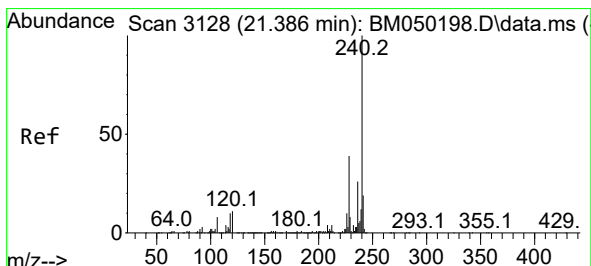
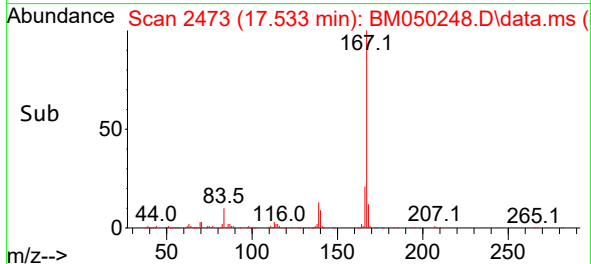
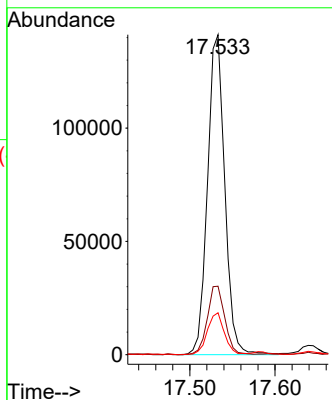
#73
 Carbazole
 Concen: 2.614 ng
 RT: 17.533 min Scan# 2476
 Delta R.T. 0.000 min
 Lab File: BM050248.D
 Acq: 09 Jun 2025 19:01

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:167 Resp: 198686

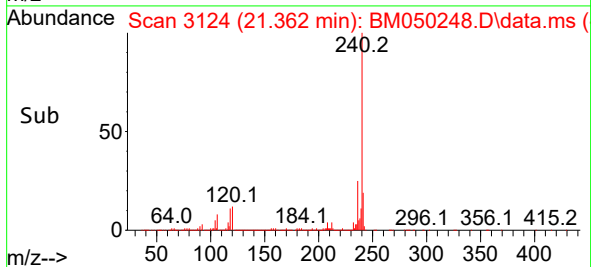
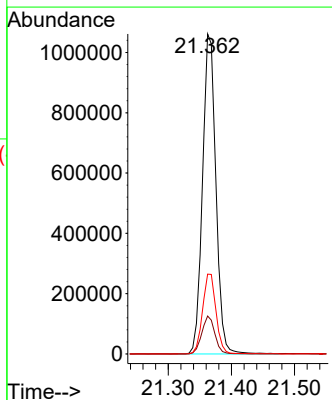
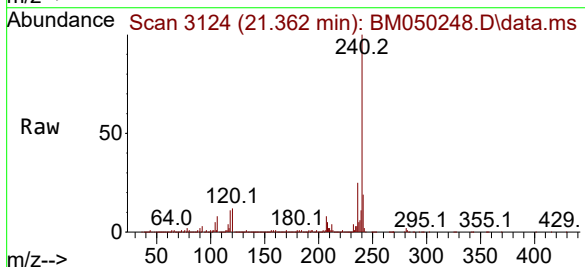
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.6
139	13.1	10.2	15.4

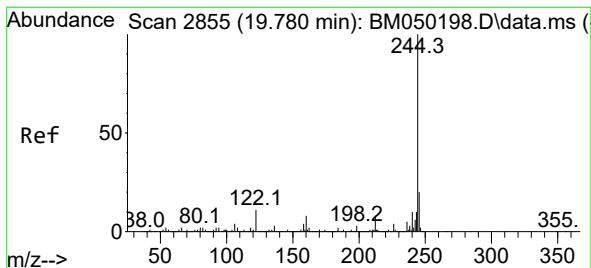


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.362 min Scan# 3124
 Delta R.T. -0.012 min
 Lab File: BM050248.D
 Acq: 09 Jun 2025 19:01

Tgt Ion:240 Resp: 1563302

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.0	13.4
236	25.0	20.7	31.1





#79

Terphenyl-d14

Concen: 83.512 ng

RT: 19.762 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050248.D

Acq: 09 Jun 2025 19:01

Instrument :

BNA_M

ClientSampleId :

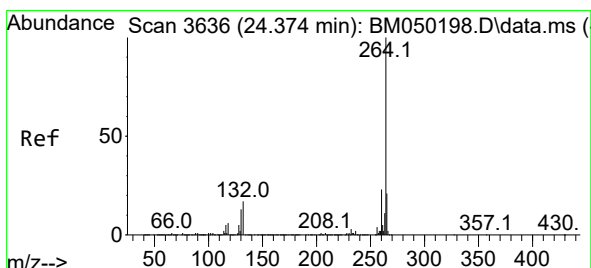
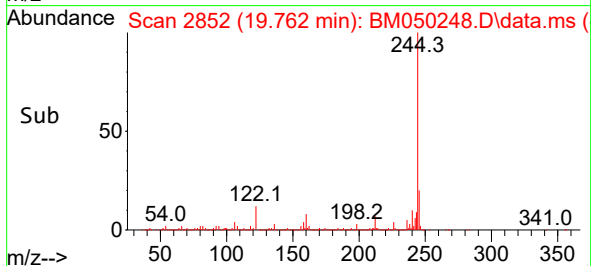
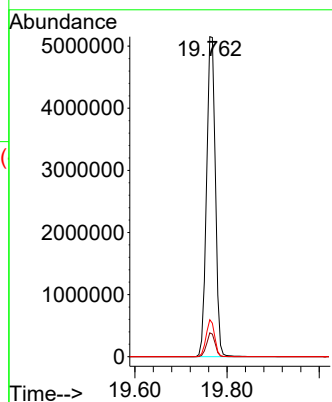
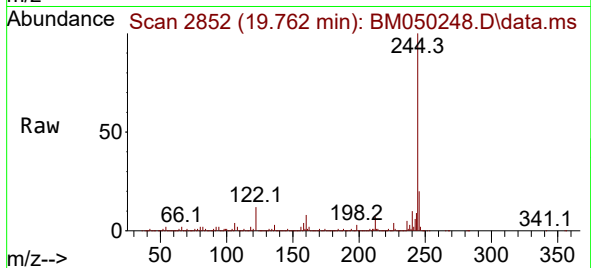
Tgt Ion:244 Resp: 6889305

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 11.5 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.344 min Scan# 3631

Delta R.T. 0.000 min

Lab File: BM050248.D

Acq: 09 Jun 2025 19:01

Tgt Ion:264 Resp: 1685599

Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 21.7 16.8 25.2

