

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
 Data File : BM050233.D
 Acq On : 07 Jun 2025 04:00
 Operator : RC/JU
 Sample : Q2177-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-202-SB01

Quant Time: Jun 07 05:36:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 05 16:20:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

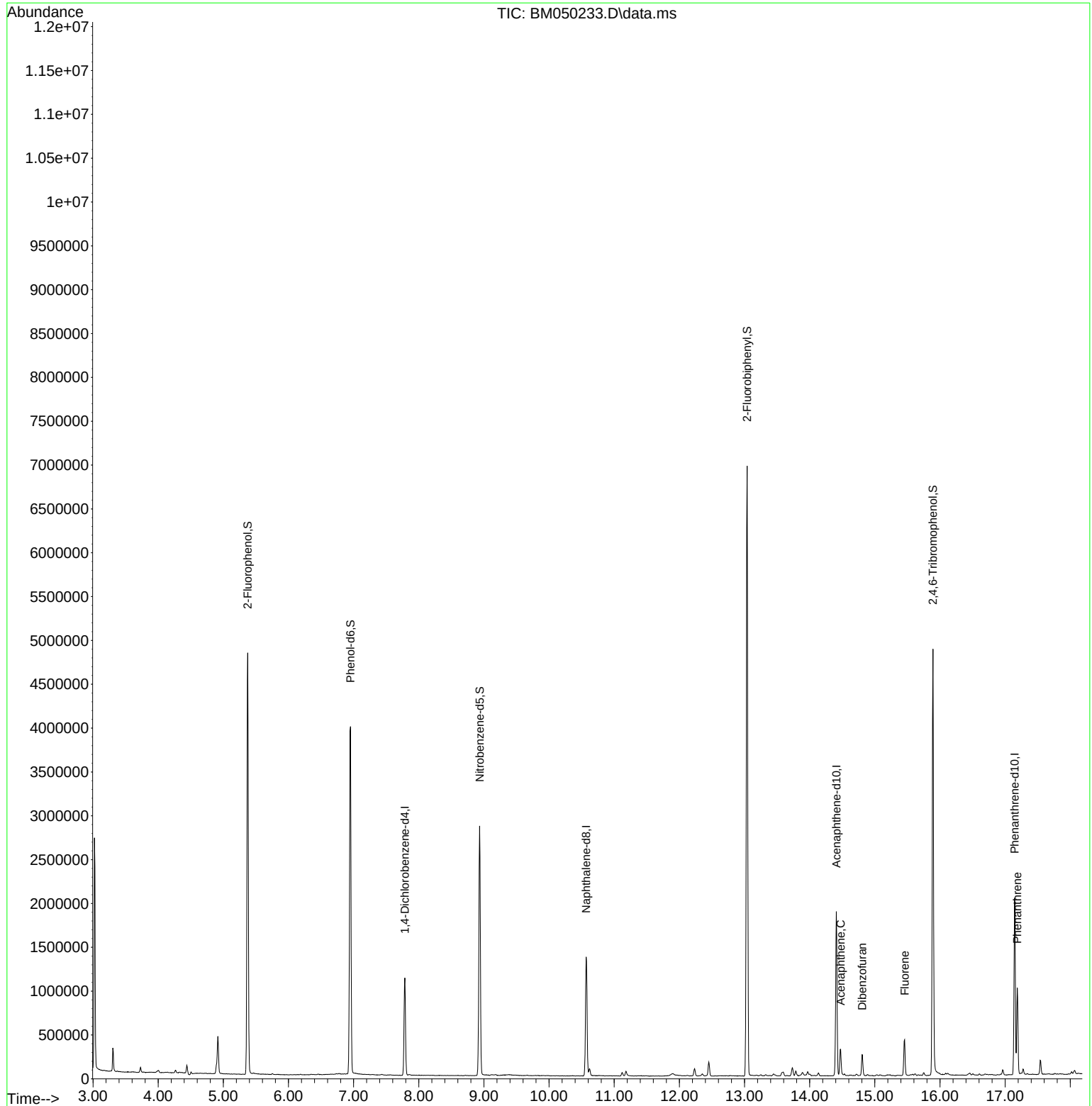
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	306776	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1155499	20.000	ng	#-0.01
39) Acenaphthene-d10	14.410	164	625136	20.000	ng	0.00
64) Phenanthrene-d10	17.145	188	1109436	20.000	ng	-0.01
76) Chrysene-d12	21.374	240	1043232	20.000	ng	-0.01
86) Perylene-d12	24.356	264	1124100	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2277932	123.866	ng	0.00
7) Phenol-d6	6.952	99	2586807	106.853	ng	0.00
23) Nitrobenzene-d5	8.934	82	1787839	80.469	ng	-0.01
42) 2,4,6-Tribromophenol	15.892	330	829869	116.711	ng	-0.01
45) 2-Fluorobiphenyl	13.039	172	3525780	76.357	ng	-0.01
79) Terphenyl-d14	19.774	244	4569124	82.998	ng	-0.01
Target Compounds						
						Qvalue
52) Acenaphthene	14.475	154	102876	2.794	ng	96
55) Dibenzofuran	14.804	168	147513	2.739	ng	97
58) Fluorene	15.457	166	171436	4.156	ng	97
71) Phenanthrene	17.186	178	558859	8.818	ng	99

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

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Instrument :
BNA_M
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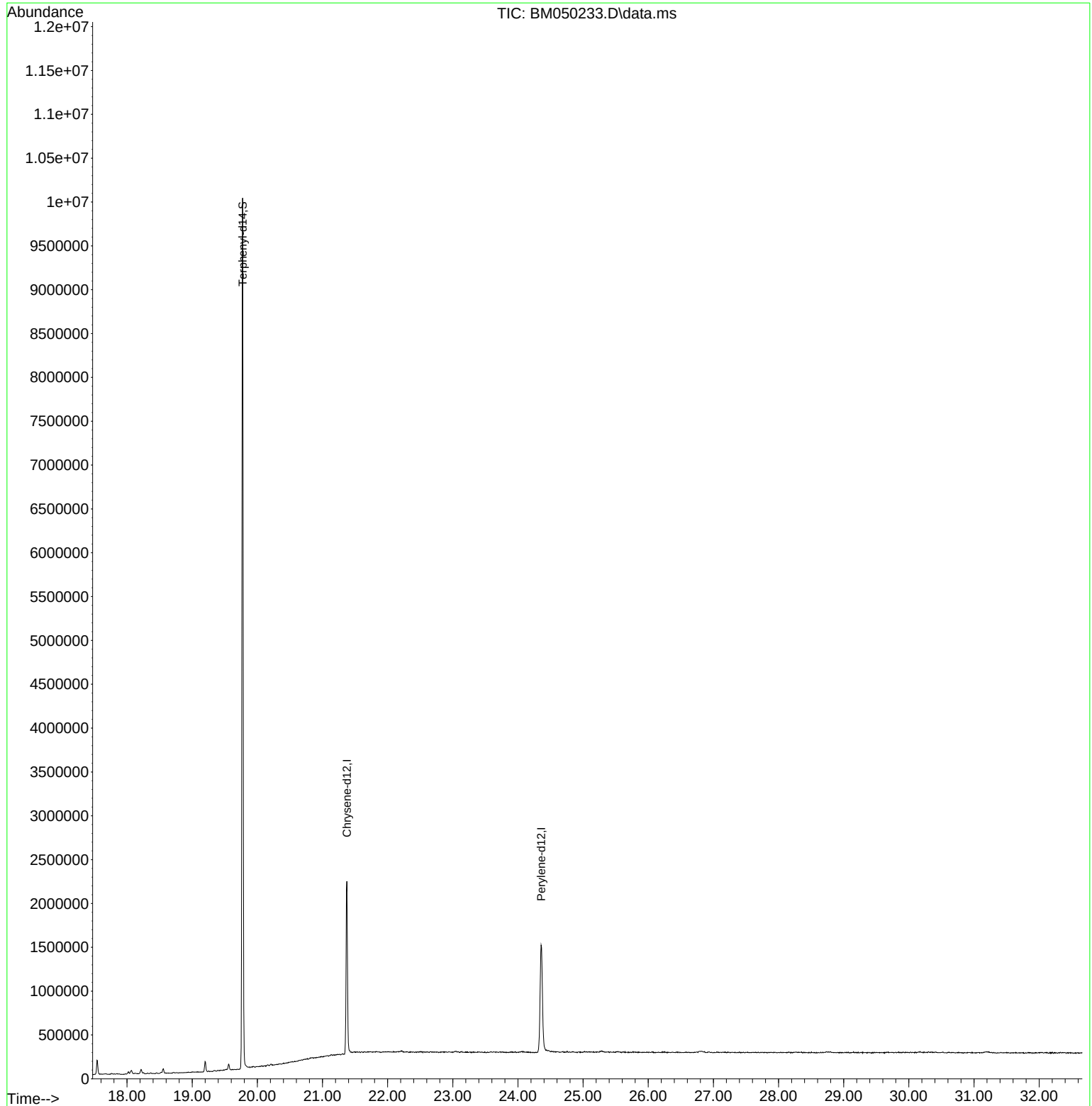
Quant Time: Jun 07 05:36:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration

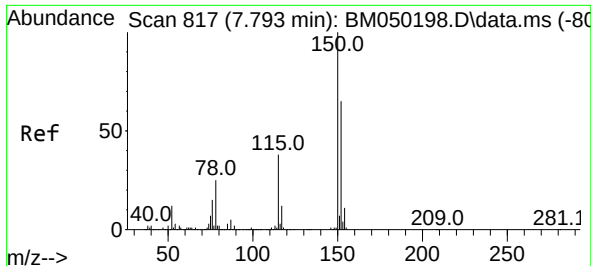


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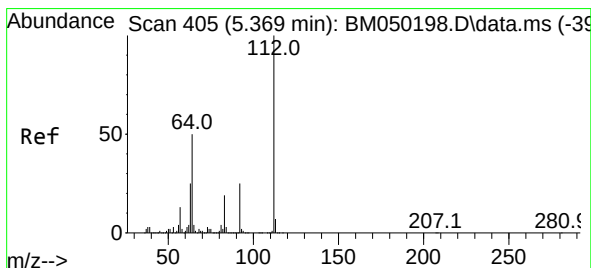
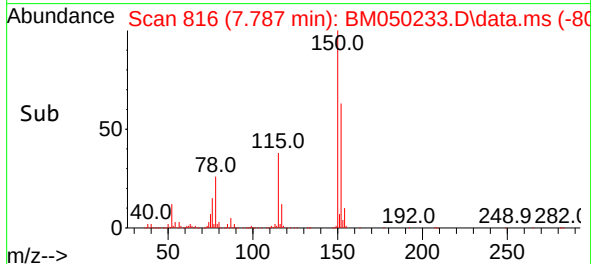
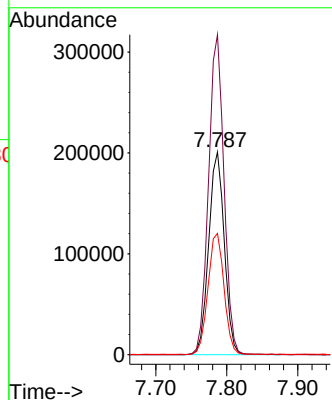
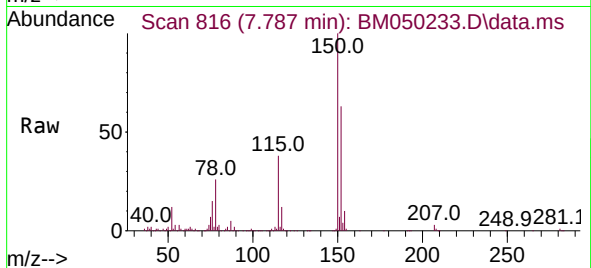




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

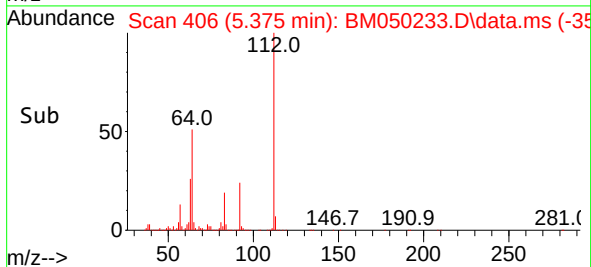
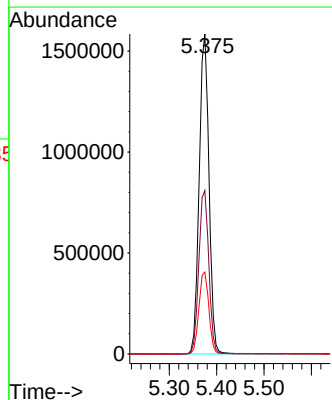
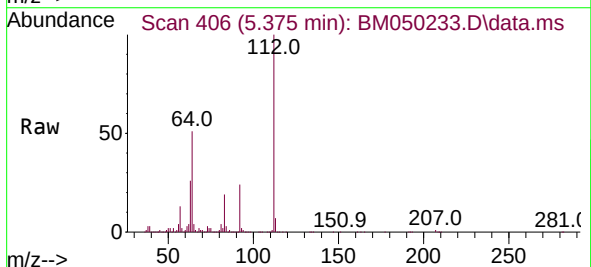
Instrument :
BNA_M
ClientSampleId :
B-202-SB01

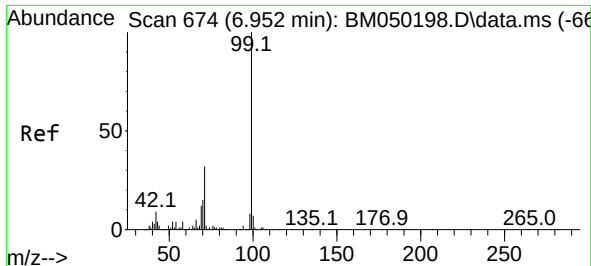
Tgt Ion:152 Resp: 306776
Ion Ratio Lower Upper
152 100
150 158.0 122.2 183.4
115 59.9 46.3 69.5



#5
2-Fluorophenol
Concen: 123.866 ng
RT: 5.375 min Scan# 406
Delta R.T. 0.000 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Tgt Ion:112 Resp: 2277932
Ion Ratio Lower Upper
112 100
64 51.0 39.8 59.6
63 25.6 19.8 29.8

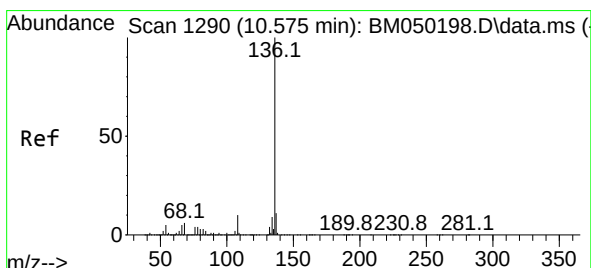
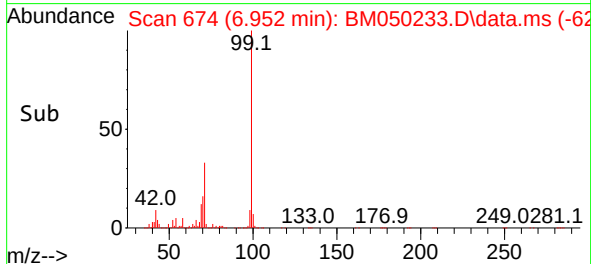
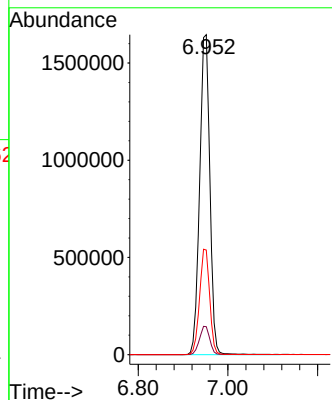
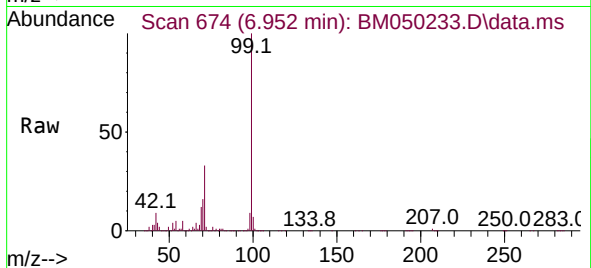




#7
Phenol-d6
Concen: 106.853 ng
RT: 6.952 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

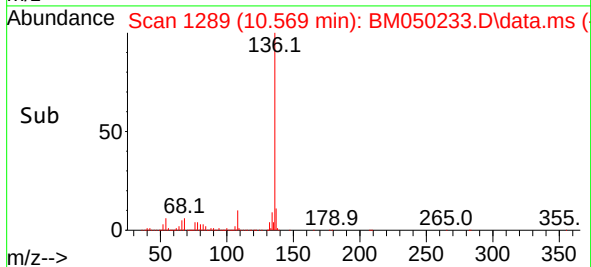
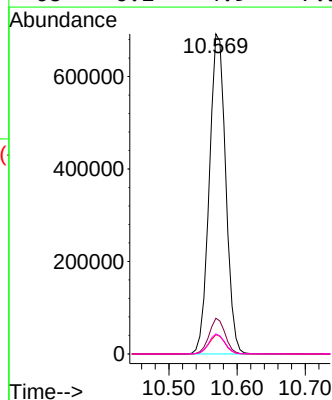
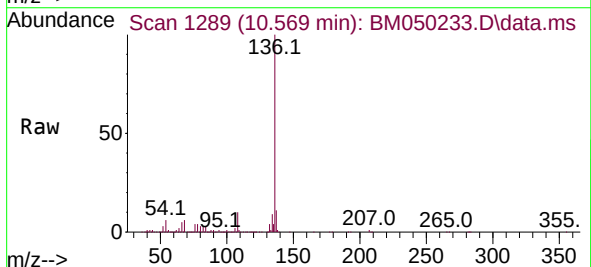
Instrument :
BNA_M
ClientSampleId :
B-202-SB01

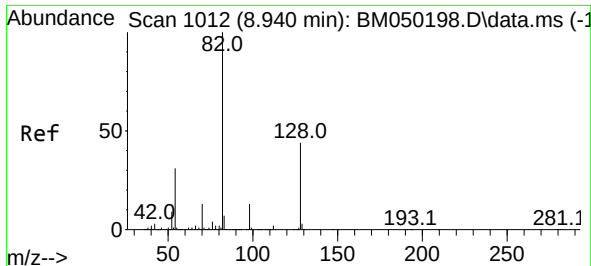
Tgt Ion: 99 Resp: 2586807
Ion Ratio Lower Upper
99 100
42 8.7 6.9 10.3
71 32.7 25.3 37.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.012 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Tgt Ion: 136 Resp: 1155499
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 6.0 3.8 5.8#
68 6.2 4.9 7.3

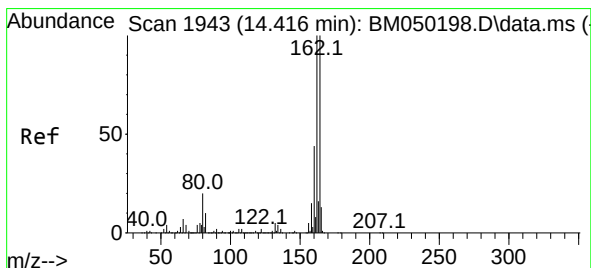
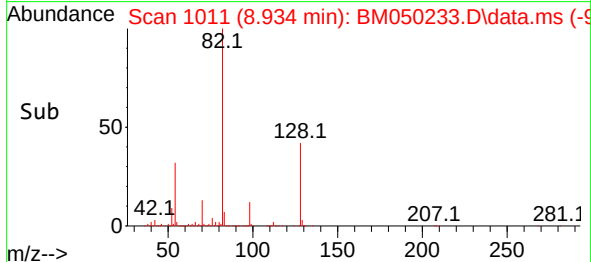
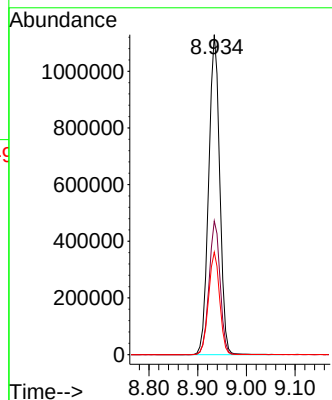
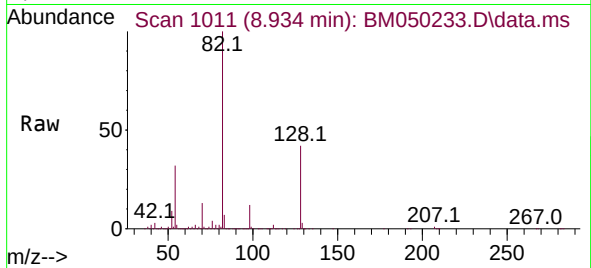




#23
Nitrobenzene-d5
Concen: 80.469 ng
RT: 8.934 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

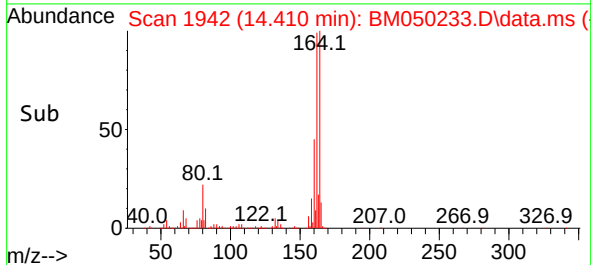
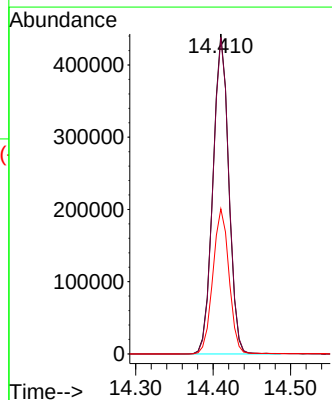
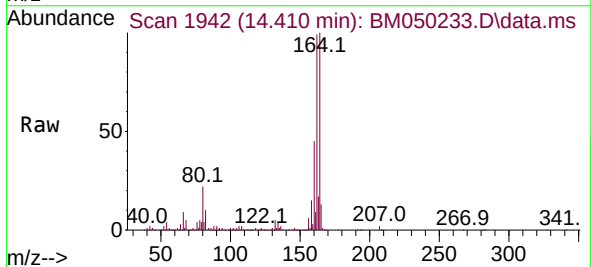
Instrument :
BNA_M
ClientSampleId :
B-202-SB01

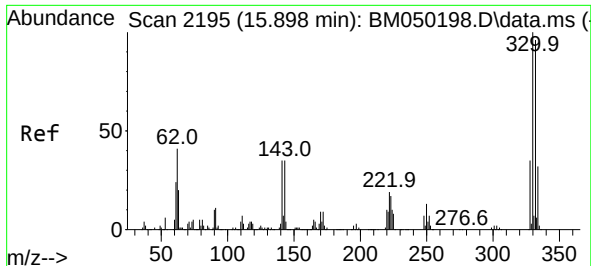
Tgt Ion: 82 Resp: 1787839
Ion Ratio Lower Upper
82 100
128 41.8 35.2 52.8
54 32.0 24.5 36.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Tgt Ion:164 Resp: 625136
Ion Ratio Lower Upper
164 100
162 98.9 80.2 120.4
160 45.3 35.7 53.5

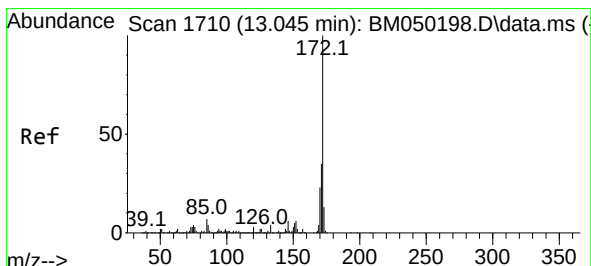
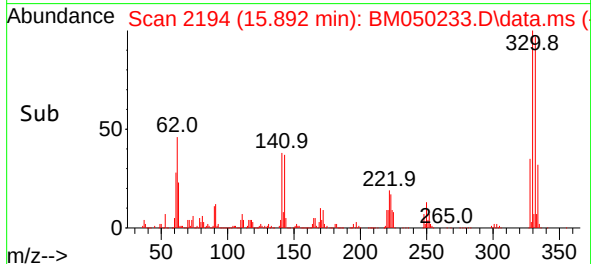
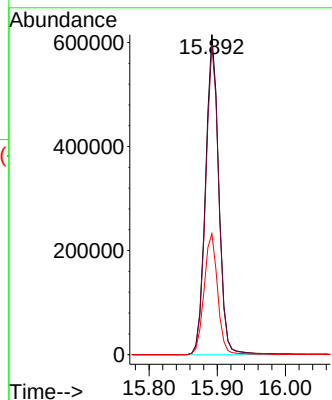
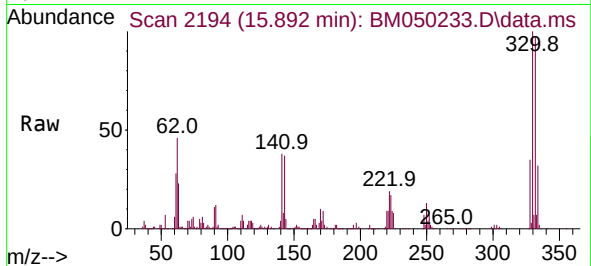




#42
2,4,6-Tribromophenol
Concen: 116.711 ng
RT: 15.892 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

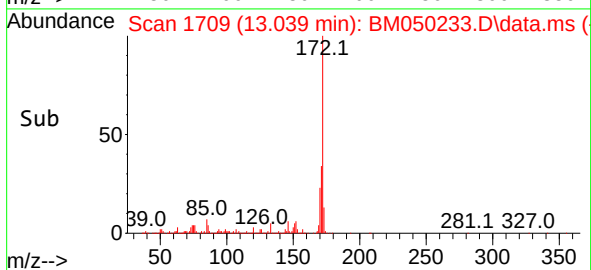
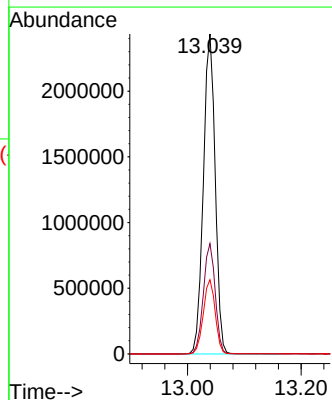
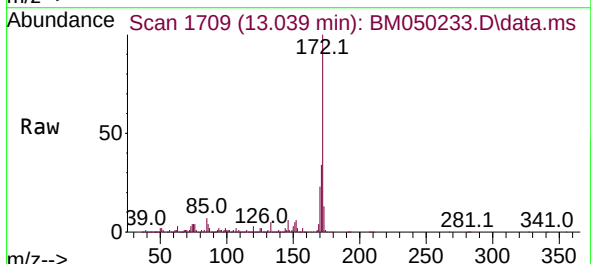
Instrument :
BNA_M
ClientSampleId :
B-202-SB01

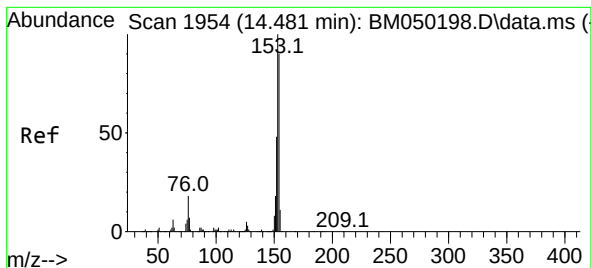
Tgt Ion:330 Resp: 829869
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 38.8 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 76.357 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.012 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Tgt Ion:172 Resp: 3525780
Ion Ratio Lower Upper
172 100
171 34.5 27.8 41.6
170 23.2 18.6 27.8





#52

Acenaphthene

Concen: 2.794 ng

RT: 14.475 min Scan# 19

Delta R.T. -0.012 min

Lab File: BM050233.D

Acq: 07 Jun 2025 04:00

Instrument :

BNA_M

ClientSampleId :

B-202-SB01

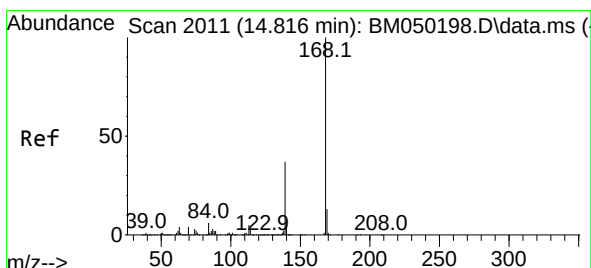
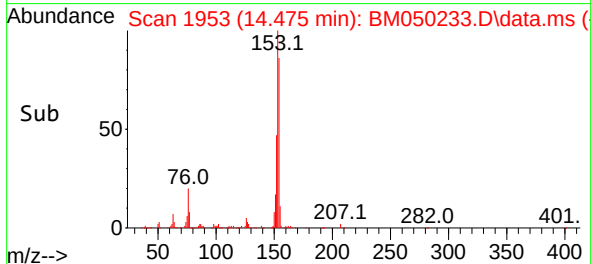
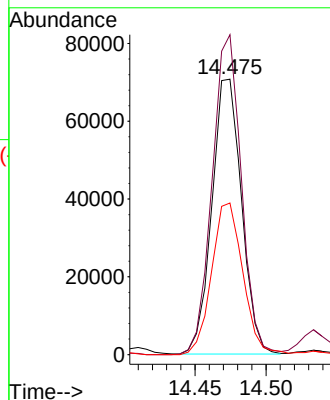
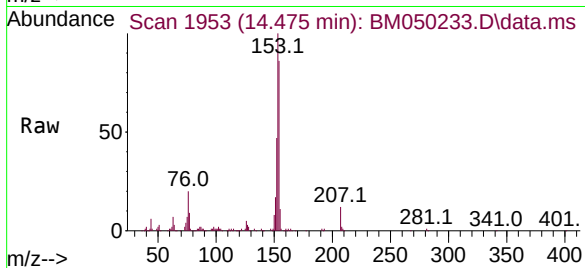
Tgt Ion:154 Resp: 102876

Ion Ratio Lower Upper

154 100

153 116.1 88.7 133.1

152 55.0 42.6 63.8



#55

Dibenzofuran

Concen: 2.739 ng

RT: 14.804 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BM050233.D

Acq: 07 Jun 2025 04:00

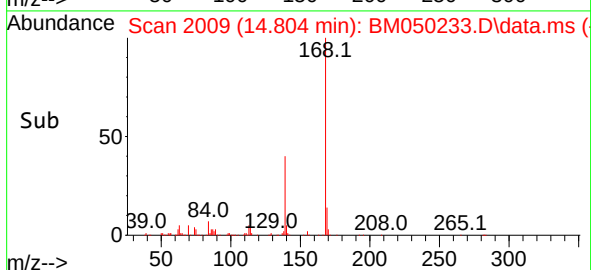
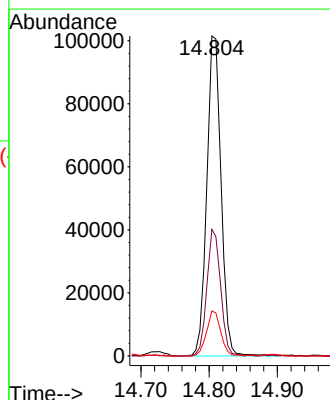
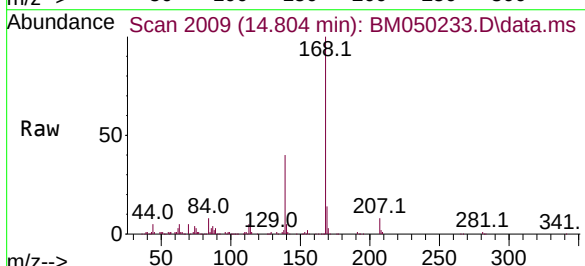
Tgt Ion:168 Resp: 147513

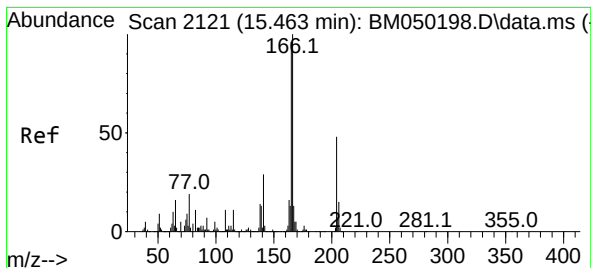
Ion Ratio Lower Upper

168 100

139 39.5 29.9 44.9

169 14.0 10.6 16.0





#58

Fluorene

Concen: 4.156 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050233.D

Acq: 07 Jun 2025 04:00

Instrument :

BNA_M

ClientSampleId :

B-202-SB01

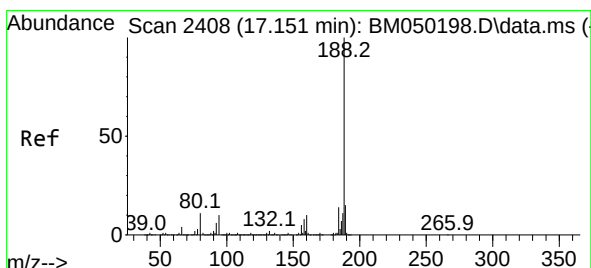
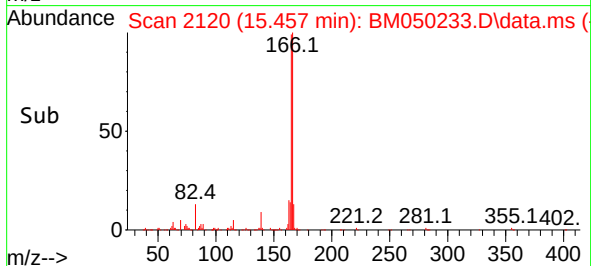
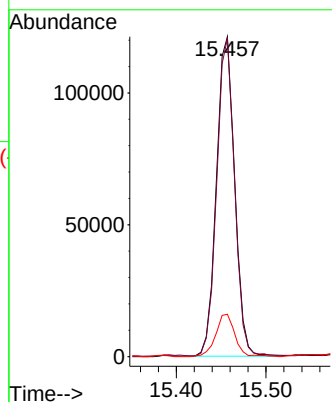
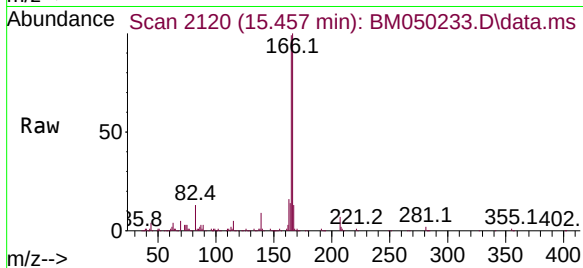
Tgt Ion:166 Resp: 171436

Ion Ratio Lower Upper

166 100

165 99.4 77.0 115.4

167 13.2 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 2407

Delta R.T. -0.012 min

Lab File: BM050233.D

Acq: 07 Jun 2025 04:00

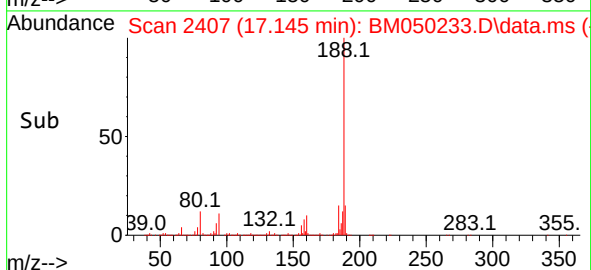
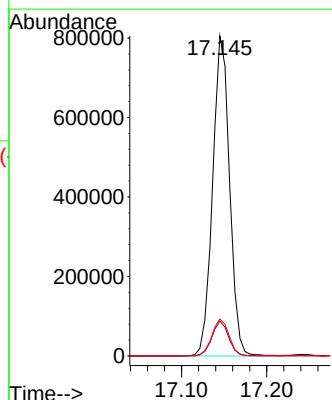
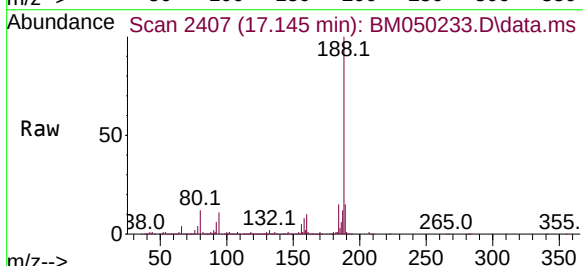
Tgt Ion:188 Resp: 1109436

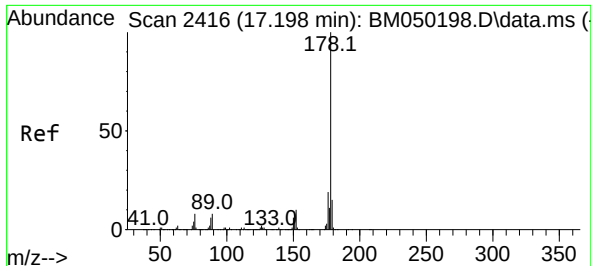
Ion Ratio Lower Upper

188 100

94 10.9 8.1 12.1

80 11.5 8.6 13.0

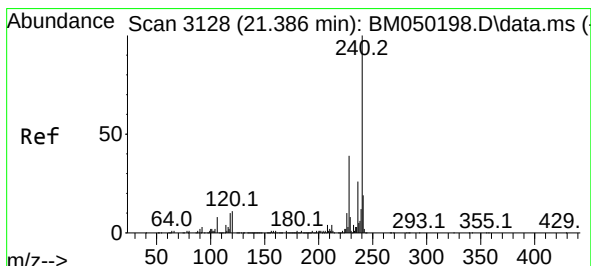
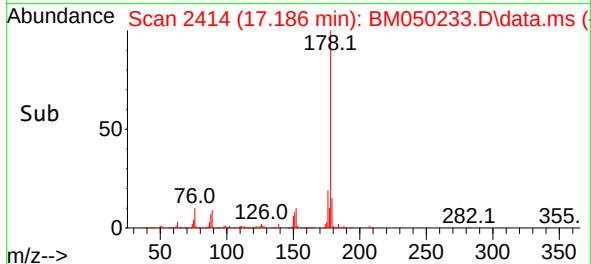
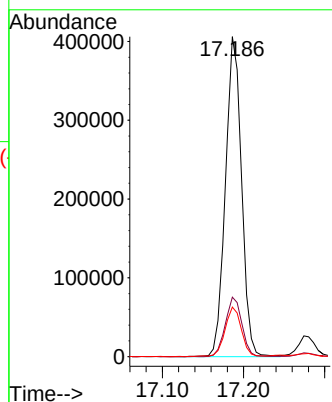
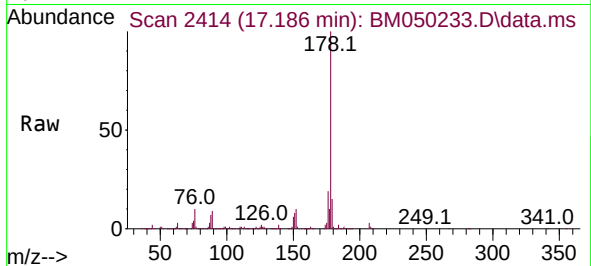




#71
Phenanthrene
Concen: 8.818 ng
RT: 17.186 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

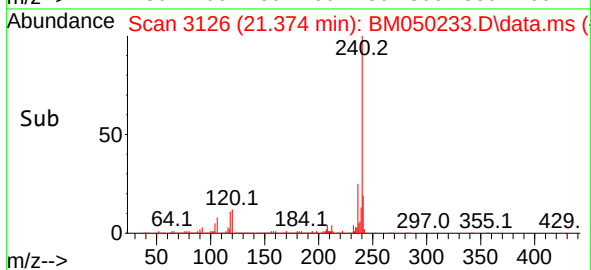
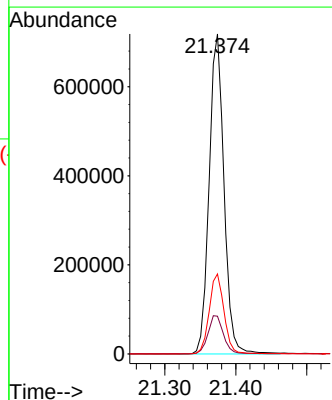
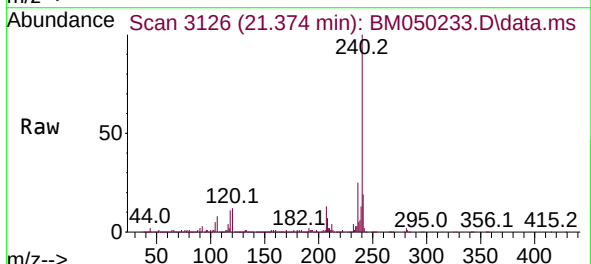
Instrument :
BNA_M
ClientSampleId :
B-202-SB01

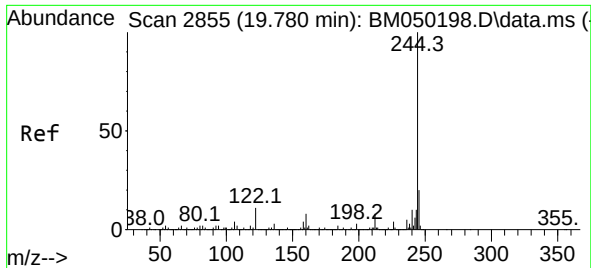
Tgt Ion:178 Resp: 558859
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.5 12.3 18.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.374 min Scan# 3126
Delta R.T. -0.012 min
Lab File: BM050233.D
Acq: 07 Jun 2025 04:00

Tgt Ion:240 Resp: 1043232
Ion Ratio Lower Upper
240 100
120 11.8 9.0 13.4
236 25.0 20.7 31.1

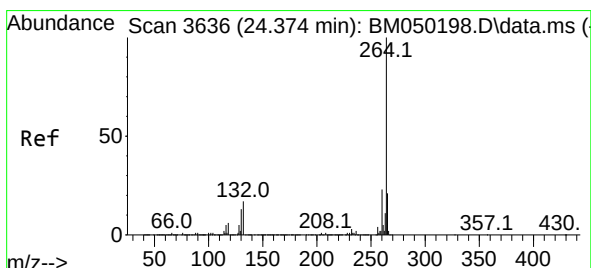
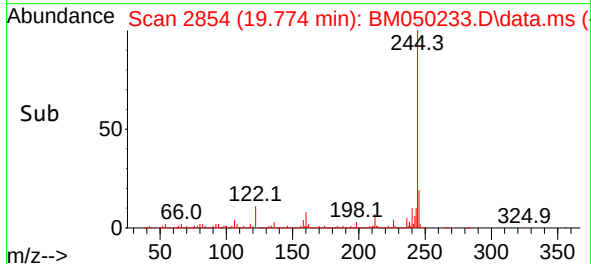
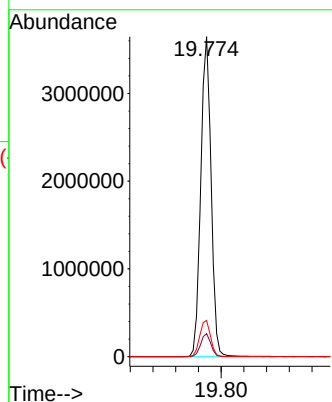
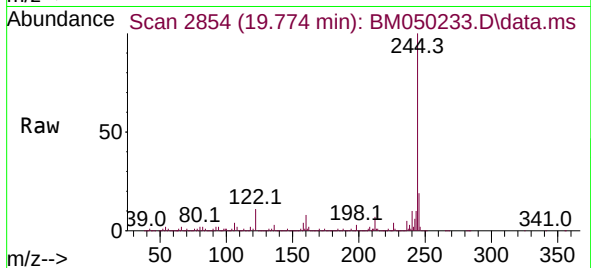




#79
 Terphenyl-d14
 Concen: 82.998 ng
 RT: 19.774 min Scan# 2854
 Delta R.T. -0.012 min
 Lab File: BM050233.D
 Acq: 07 Jun 2025 04:00

Instrument :
 BNA_M
 ClientSampleId :
 B-202-SB01

Tgt Ion:244 Resp: 4569124
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 11.3 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.356 min Scan# 3633
 Delta R.T. -0.018 min
 Lab File: BM050233.D
 Acq: 07 Jun 2025 04:00

Tgt Ion:264 Resp: 1124100
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 28.0
 265 21.3 16.8 25.2

