

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
 Data File : BM050273.D
 Acq On : 10 Jun 2025 11:59
 Operator : RC/JU
 Sample : Q2231-02DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 10 12:31:06 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)

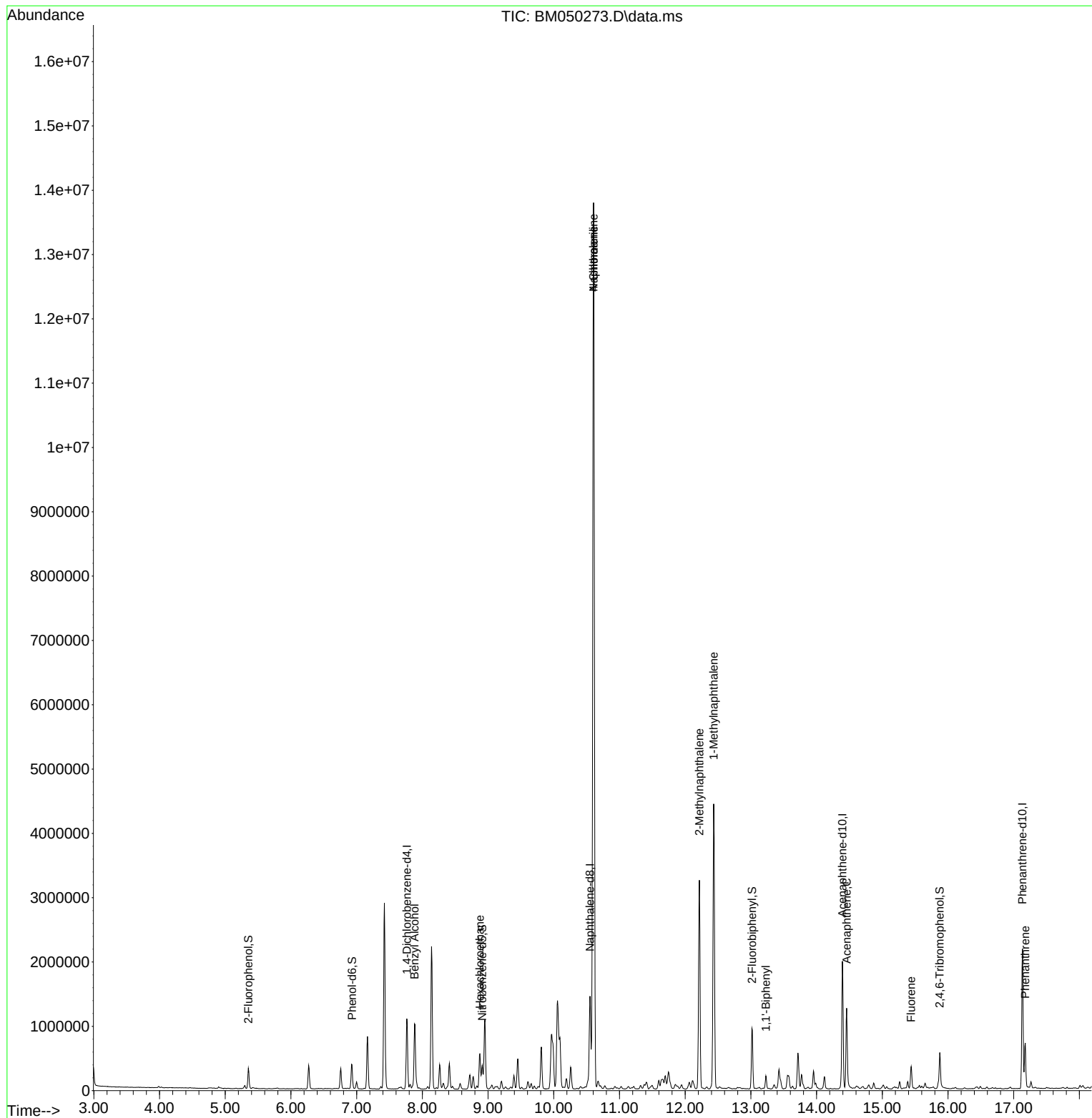
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	306070	20.000	ng	0.00
21) Naphthalene-d8	10.551	136	1203869	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	655906	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1230960	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1295114	20.000	ng	-0.01
86) Perylene-d12	24.339	264	1344466	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	143963	7.846	ng	0.00
7) Phenol-d6	6.928	99	104618	4.331	ng	0.00
23) Nitrobenzene-d5	8.910	82	213430	9.220	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	108039	14.482	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	487246	10.057	ng	-0.01
79) Terphenyl-d14	19.757	244	751319	10.993	ng	-0.01
Target Compounds						
						Qvalue
15) Benzyl Alcohol	7.881	79	53423	3.101	ng	# 1
18) Hexachloroethane	8.875	117	53811	6.330	ng	# 1
31) Naphthalene	10.604	128	12286529	197.397	ng	99
33) 4-Chloroaniline	10.604	127	1581411	59.594	ng	# 33
37) 2-Methylnaphthalene	12.216	142	1528618	40.709	ng	100
38) 1-Methylnaphthalene	12.434	142	2058141	51.642	ng	99
46) 1,1'-Biphenyl	13.228	154	100305	2.042	ng	98
52) Acenaphthene	14.457	154	421719	10.917	ng	99
58) Fluorene	15.439	166	143496	3.315	ng	98
71) Phenanthrene	17.175	178	419160	5.961	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050273.D
Acq On : 10 Jun 2025 11:59
Operator : RC/JU
Sample : Q2231-02DL 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

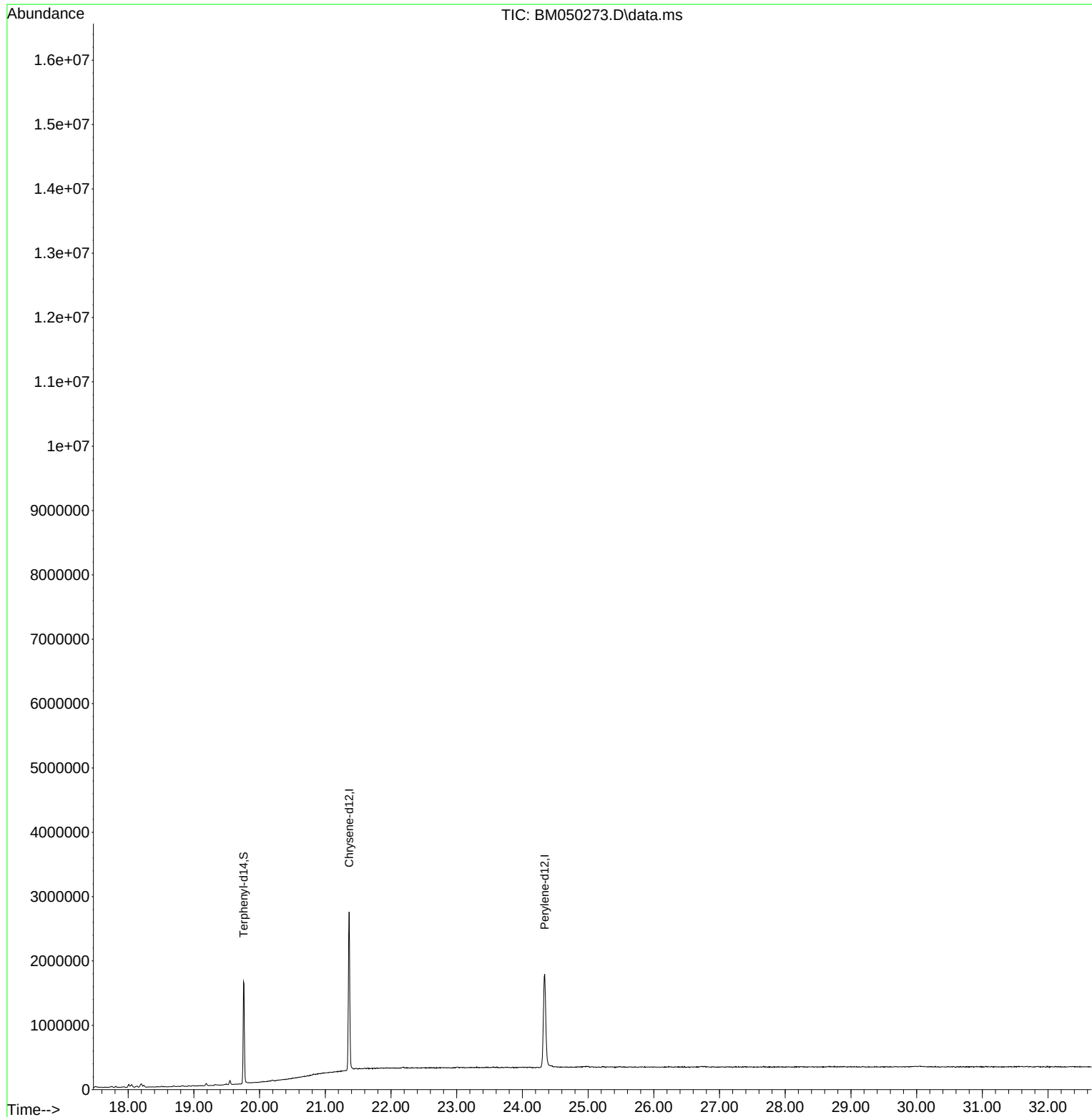
Quant Time: Jun 10 12:31:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

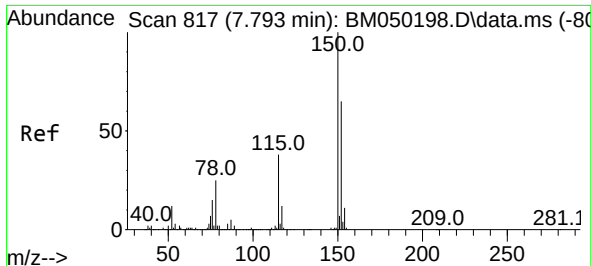


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050273.D
Acq On : 10 Jun 2025 11:59
Operator : RC/JU
Sample : Q2231-02DL 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Jun 10 12:31:06 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

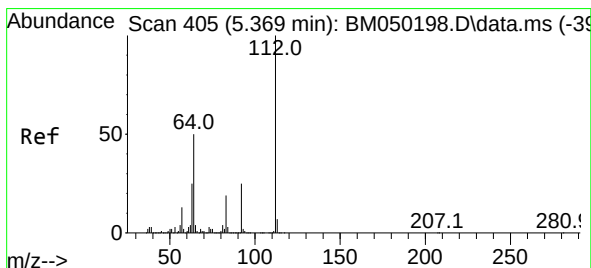
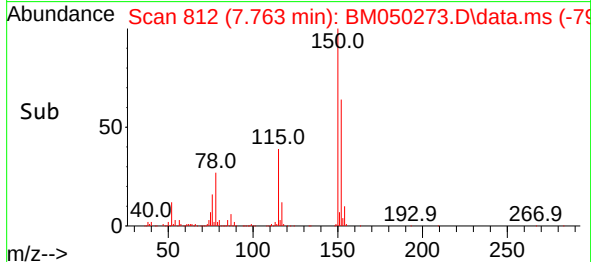
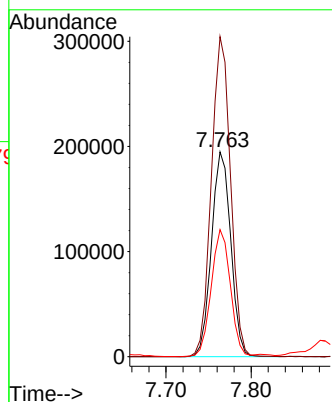
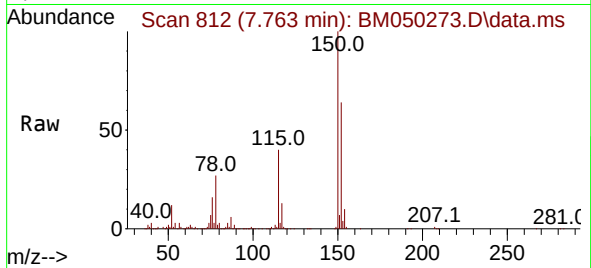




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.763 min Scan# 817
 Delta R.T. -0.006 min
 Lab File: BM050273.D
 Acq: 10 Jun 2025 11:59

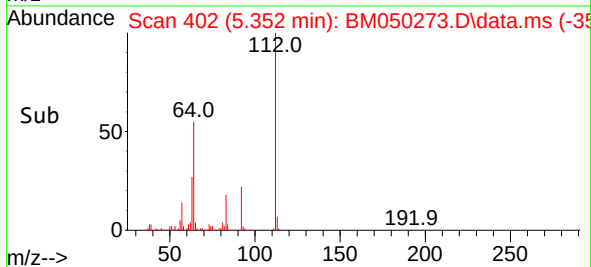
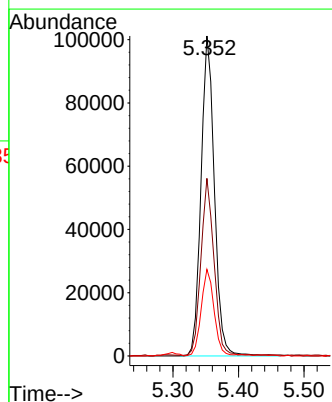
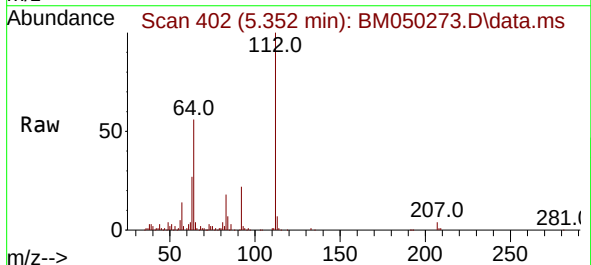
Instrument :
 BNA_M
 ClientSampleId :

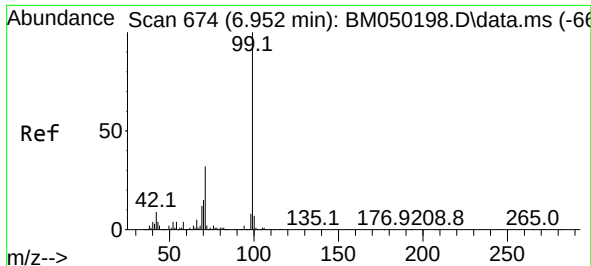
Tgt Ion:152 Resp: 306070
 Ion Ratio Lower Upper
 152 100
 150 156.2 122.2 183.4
 115 62.0 46.3 69.5



#5
 2-Fluorophenol
 Concen: 7.846 ng
 RT: 5.352 min Scan# 402
 Delta R.T. -0.006 min
 Lab File: BM050273.D
 Acq: 10 Jun 2025 11:59

Tgt Ion:112 Resp: 143963
 Ion Ratio Lower Upper
 112 100
 64 55.5 39.8 59.6
 63 27.1 19.8 29.8

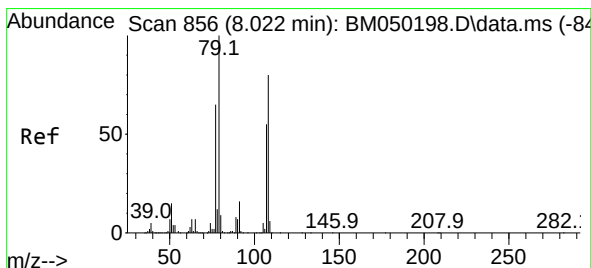
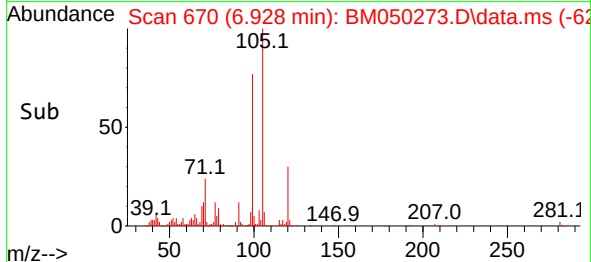
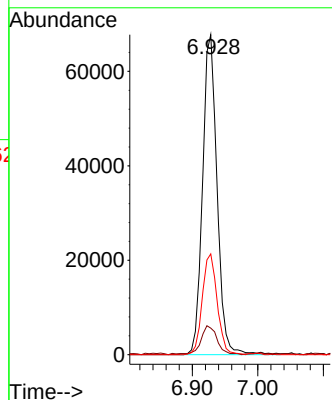
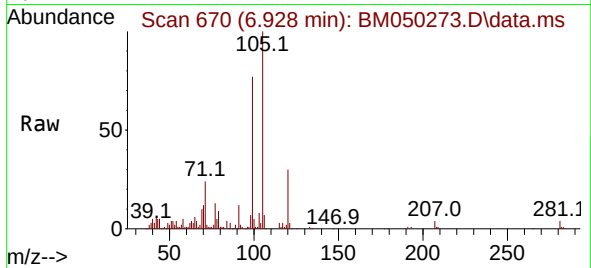




#7
Phenol-d6
Concen: 4.331 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

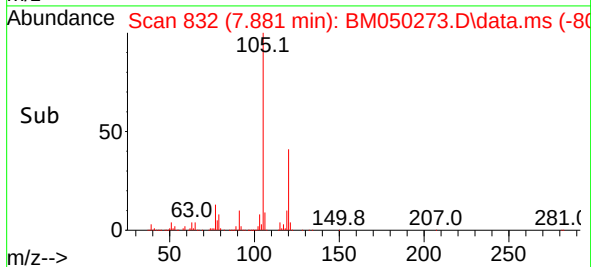
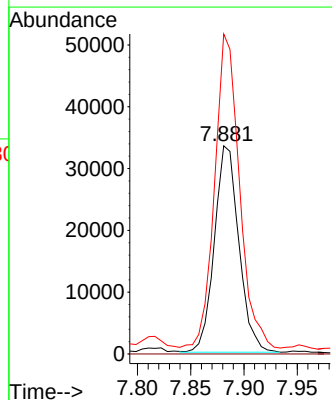
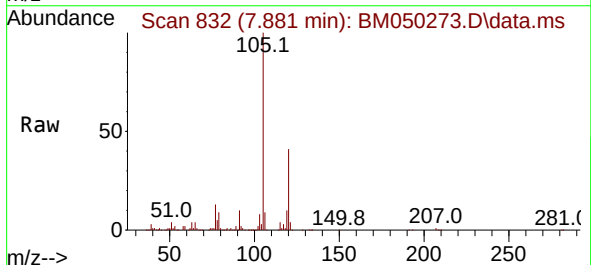
Instrument :
BNA_M
ClientSampleId :

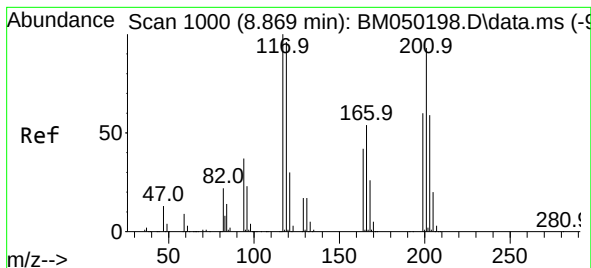
Tgt Ion: 99 Resp: 104618
Ion Ratio Lower Upper
99 100
42 8.3 6.9 10.3
71 31.5 25.3 37.9



#15
Benzyl Alcohol
Concen: 3.101 ng
RT: 7.881 min Scan# 832
Delta R.T. -0.123 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

Tgt Ion: 79 Resp: 53423
Ion Ratio Lower Upper
79 100
108 0.0 64.0 96.0#
77 153.8 52.2 78.2#





#18

Hexachloroethane

Concen: 6.330 ng

RT: 8.875 min Scan# 1

Delta R.T. 0.024 min

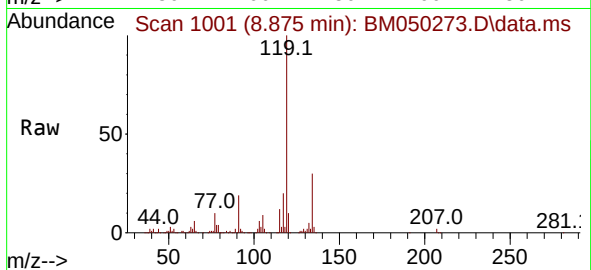
Lab File: BM050273.D

Acq: 10 Jun 2025 11:59

Instrument :

BNA_M

ClientSampleId :



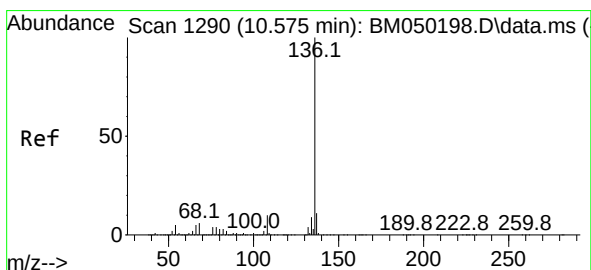
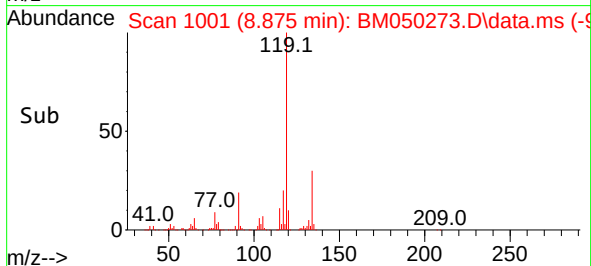
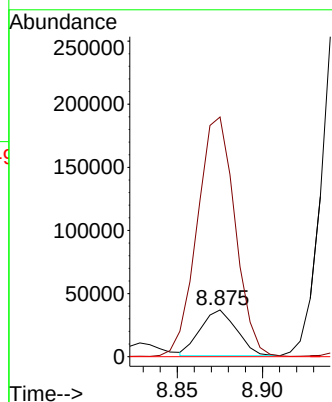
Tgt Ion:117 Resp: 53811

Ion Ratio Lower Upper

117 100

119 511.9 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: BM050273.D

Acq: 10 Jun 2025 11:59

Tgt Ion:136 Resp: 1203869

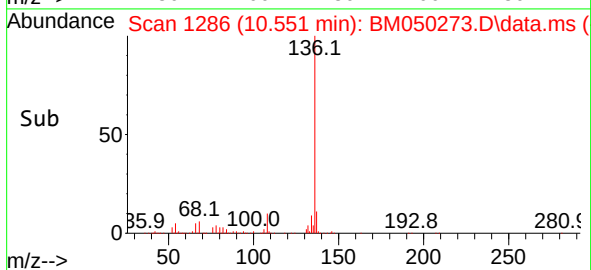
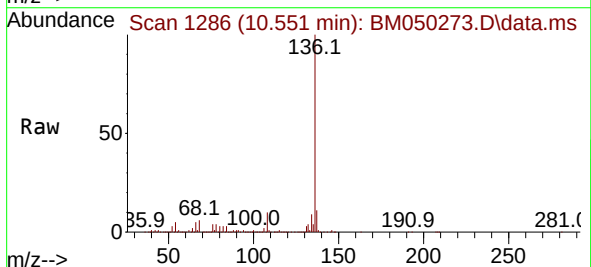
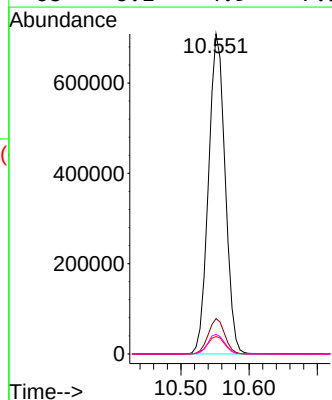
Ion Ratio Lower Upper

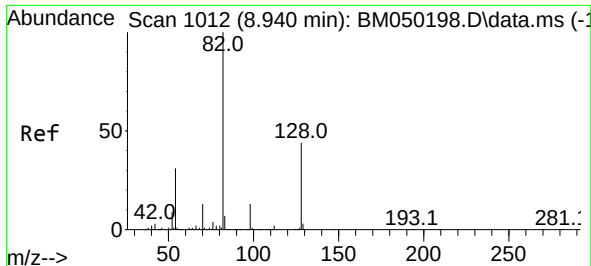
136 100

137 11.1 8.6 13.0

54 5.4 3.8 5.8

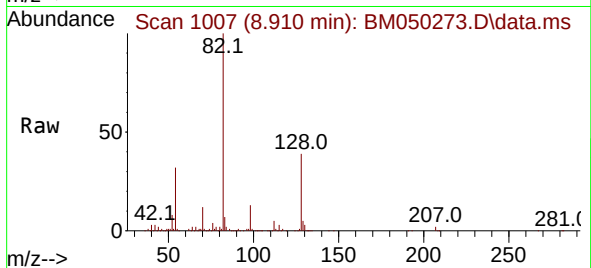
68 6.1 4.9 7.3



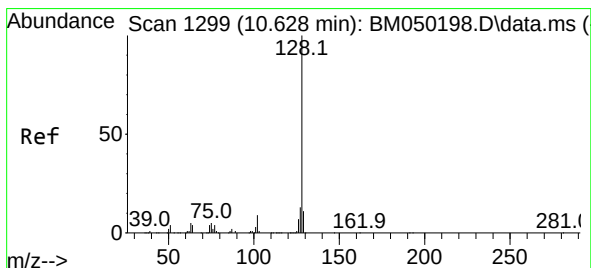
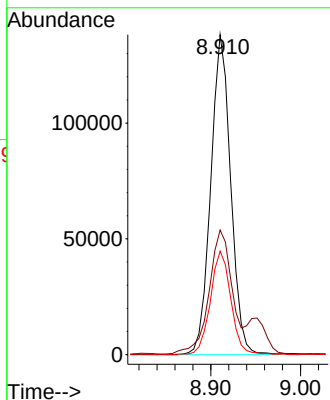
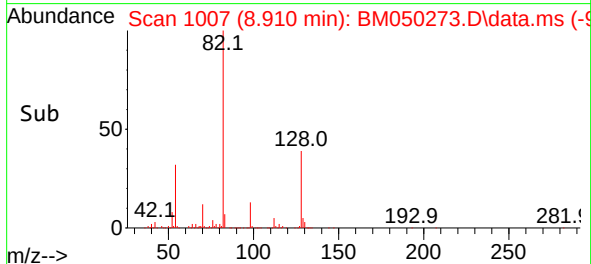


#23
Nitrobenzene-d5
Concen: 9.220 ng
RT: 8.910 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

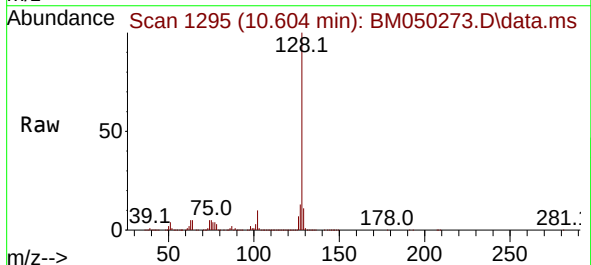
Instrument :
BNA_M
ClientSampleId :



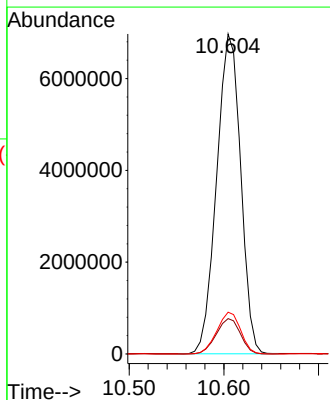
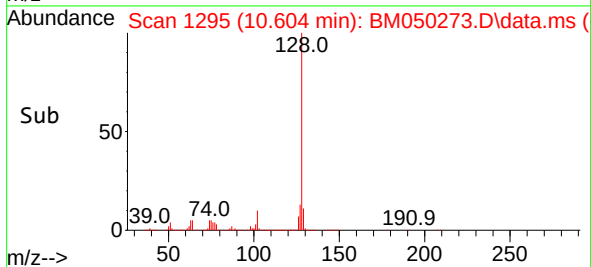
Tgt Ion: 82 Resp: 213430
Ion Ratio Lower Upper
82 100
128 38.9 35.2 52.8
54 32.3 24.5 36.7

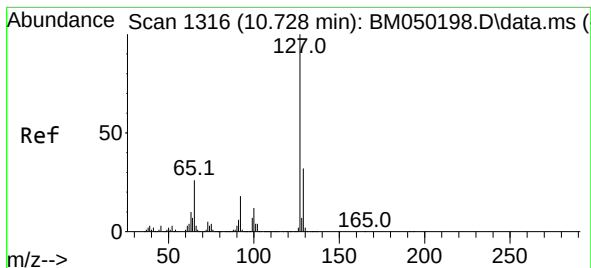


#31
Naphthalene
Concen: 197.397 ng
RT: 10.604 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59



Tgt Ion: 128 Resp: 12286529
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 13.1 10.2 15.4





#33

4-Chloroaniline

Concen: 59.594 ng

RT: 10.604 min Scan# 1

Delta R.T. -0.106 min

Lab File: BM050273.D

Acq: 10 Jun 2025 11:59

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:127 Resp: 1581411

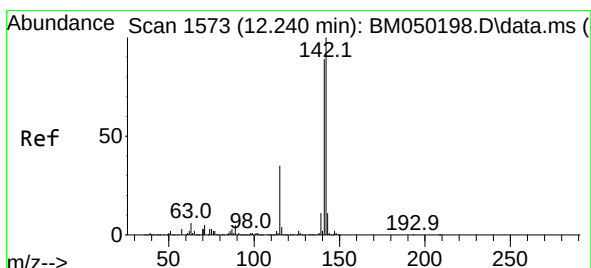
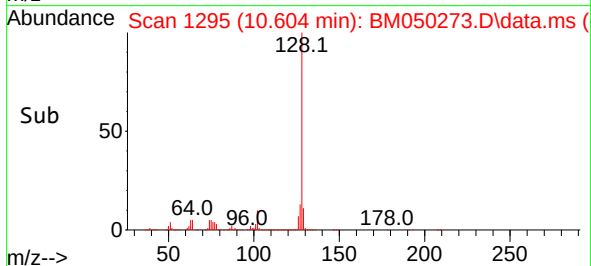
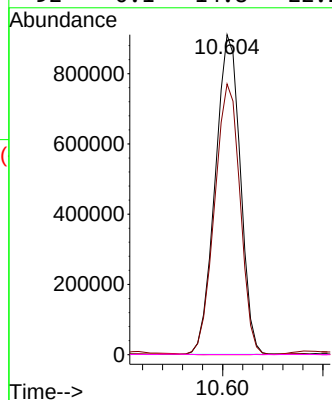
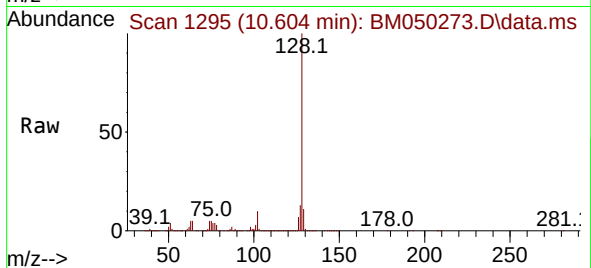
Ion Ratio Lower Upper

127 100

129 84.6 25.4 38.0#

65 0.0 21.0 31.4#

92 0.1 14.8 22.2#



#37

2-Methylnaphthalene

Concen: 40.709 ng

RT: 12.216 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BM050273.D

Acq: 10 Jun 2025 11:59

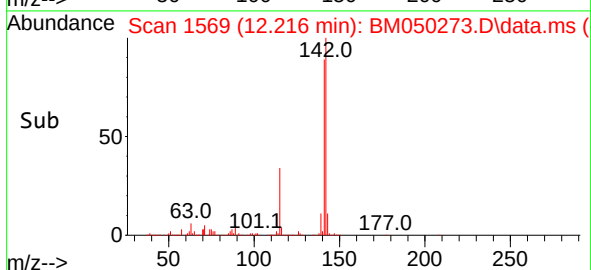
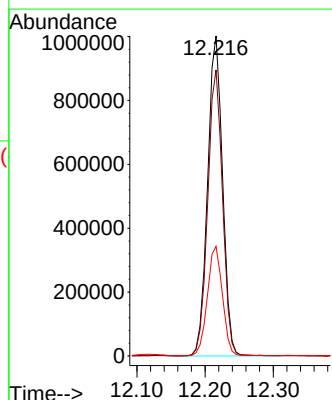
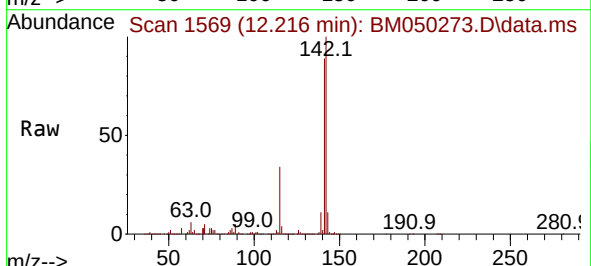
Tgt Ion:142 Resp: 1528618

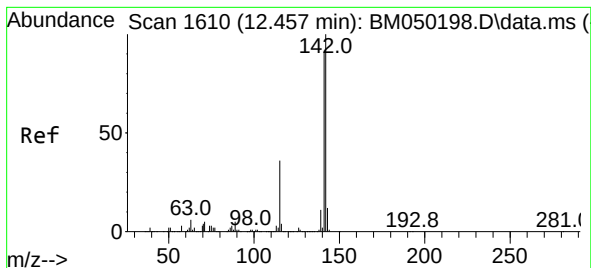
Ion Ratio Lower Upper

142 100

141 89.4 71.5 107.3

115 34.2 27.8 41.8





#38

1-Methylnaphthalene

Concen: 51.642 ng

RT: 12.434 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050273.D

Acq: 10 Jun 2025 11:59

Instrument :

BNA_M

ClientSampleId :

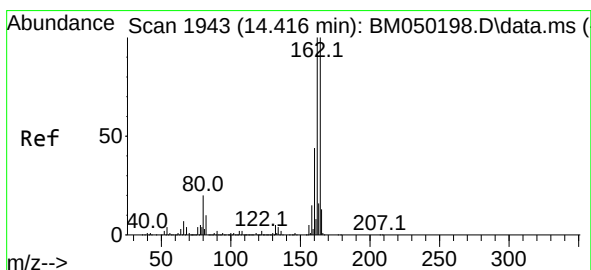
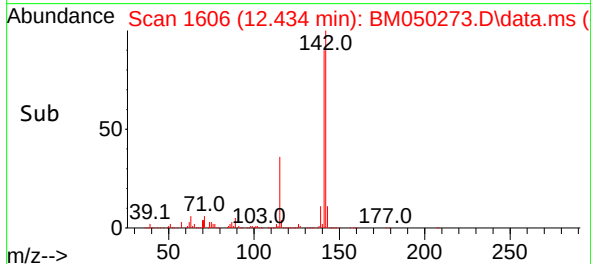
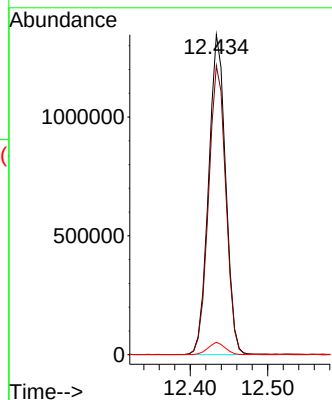
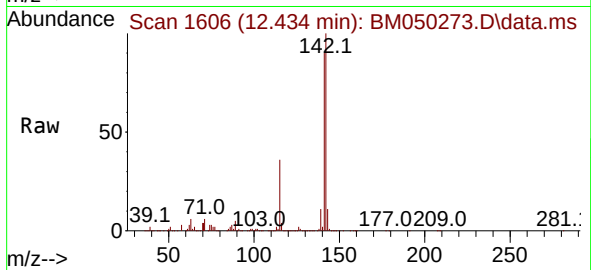
Tgt Ion:142 Resp: 2058141

Ion Ratio Lower Upper

142 100

141 90.3 72.9 109.3

116 3.9 3.0 4.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.392 min Scan# 1939

Delta R.T. -0.006 min

Lab File: BM050273.D

Acq: 10 Jun 2025 11:59

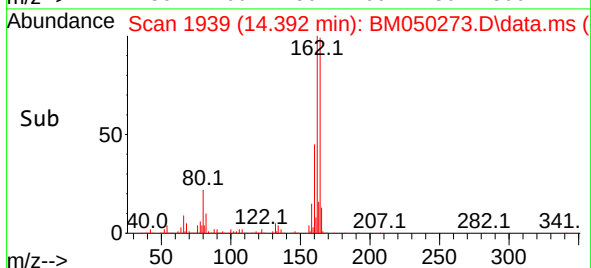
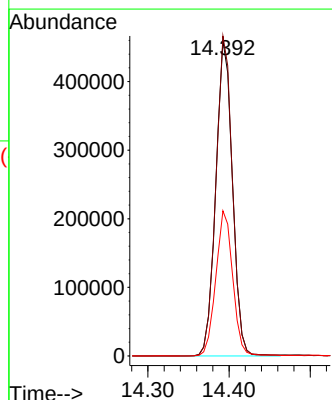
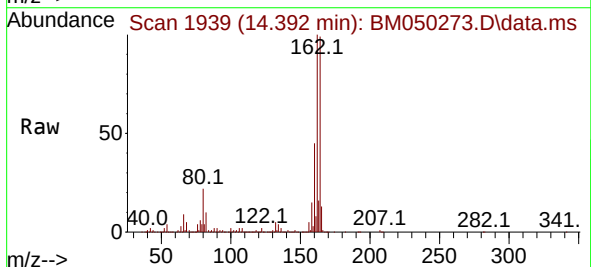
Tgt Ion:164 Resp: 655906

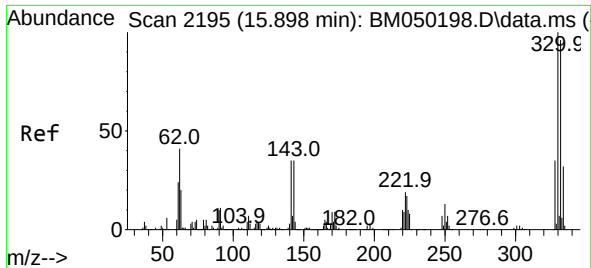
Ion Ratio Lower Upper

164 100

162 101.5 80.2 120.4

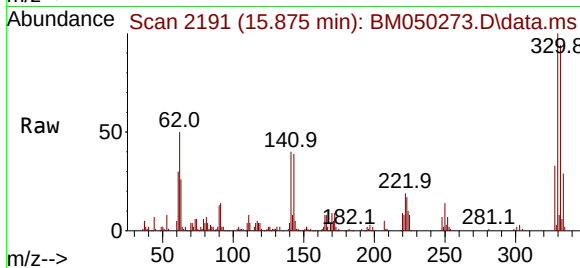
160 46.0 35.7 53.5



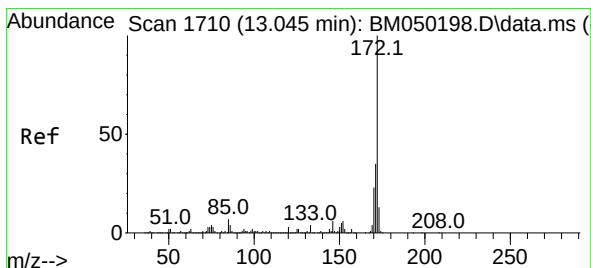
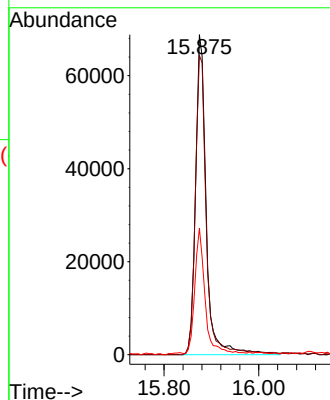
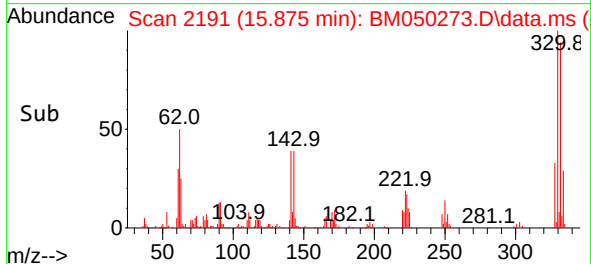


#42
2,4,6-Tribromophenol
Concen: 14.482 ng
RT: 15.875 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

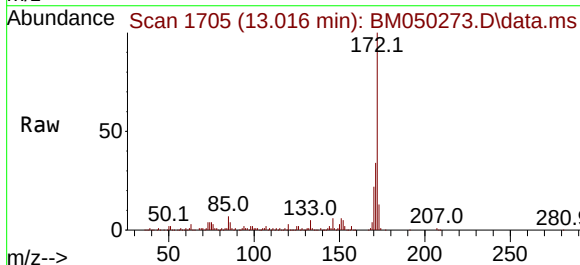
Instrument :
BNA_M
ClientSampleId :



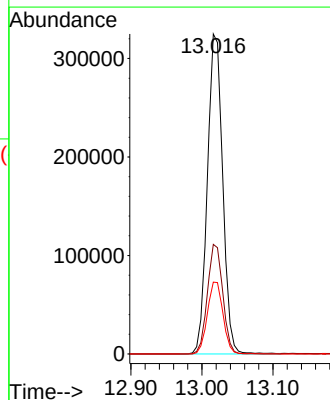
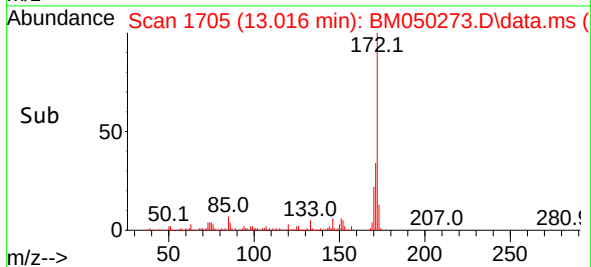
Tgt Ion:330 Resp: 108039
Ion Ratio Lower Upper
330 100
332 95.6 77.5 116.3
141 36.6 28.8 43.2

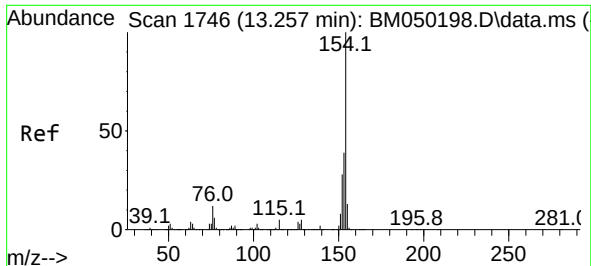


#45
2-Fluorobiphenyl
Concen: 10.057 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.011 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59



Tgt Ion:172 Resp: 487246
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 22.5 18.6 27.8

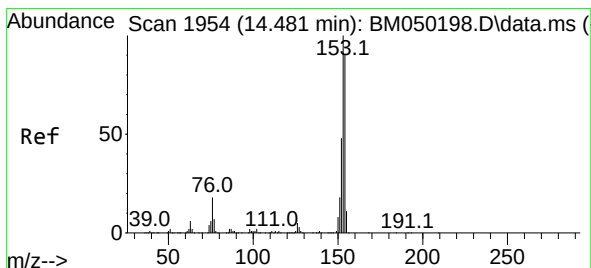
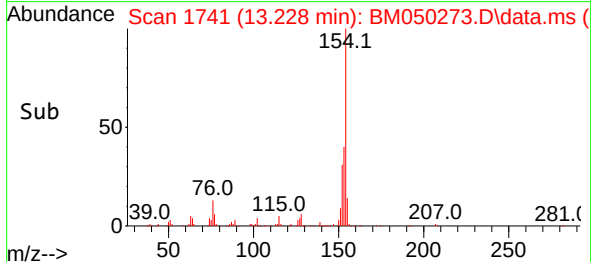
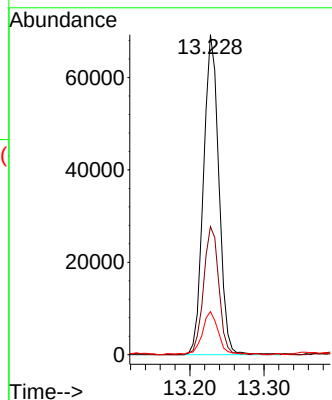
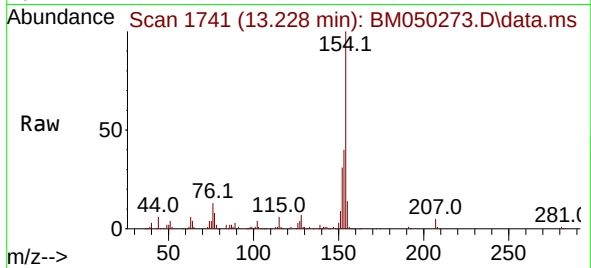




#46
1,1'-Biphenyl
Concen: 2.042 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

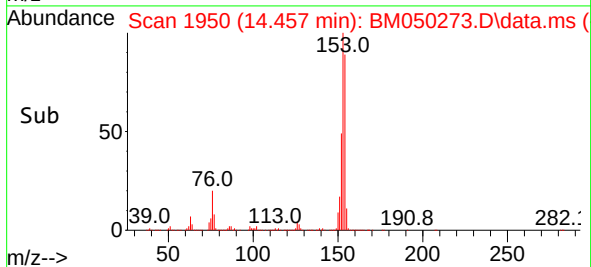
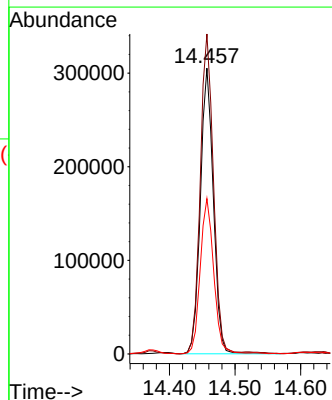
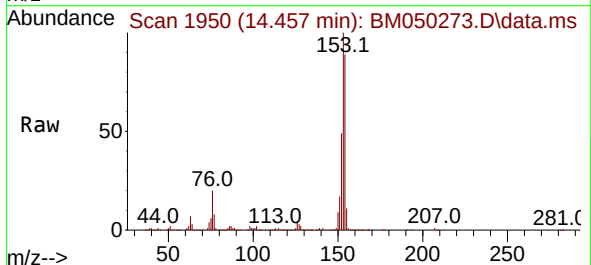
Instrument :
BNA_M
ClientSampleId :

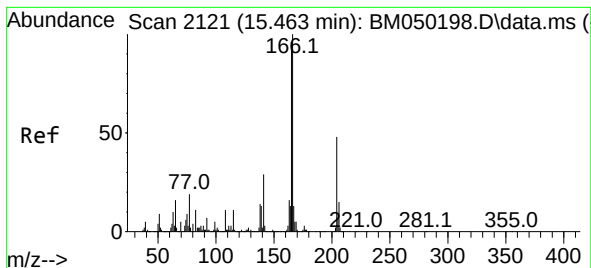
Tgt Ion:154 Resp: 100305
Ion Ratio Lower Upper
154 100
153 40.0 19.2 59.2
76 13.5 0.0 32.0



#52
Acenaphthene
Concen: 10.917 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

Tgt Ion:154 Resp: 421719
Ion Ratio Lower Upper
154 100
153 112.0 88.7 133.1
152 54.3 42.6 63.8





#58

Fluorene

Concen: 3.315 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050273.D

Acq: 10 Jun 2025 11:59

Instrument :

BNA_M

ClientSampleId :

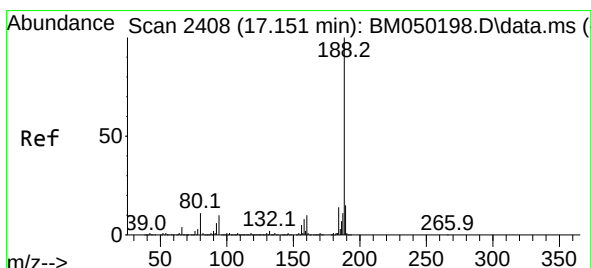
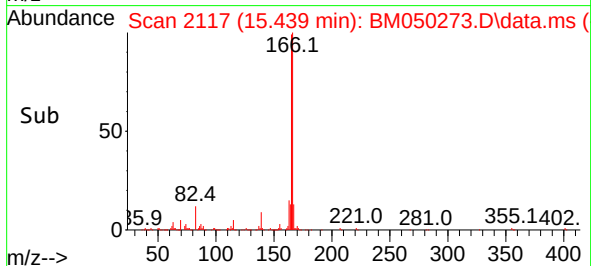
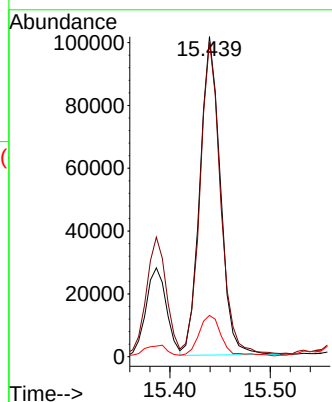
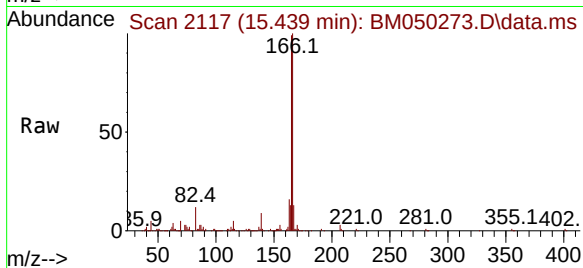
Tgt Ion:166 Resp: 143496

Ion Ratio Lower Upper

166 100

165 98.7 77.0 115.4

167 12.9 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: BM050273.D

Acq: 10 Jun 2025 11:59

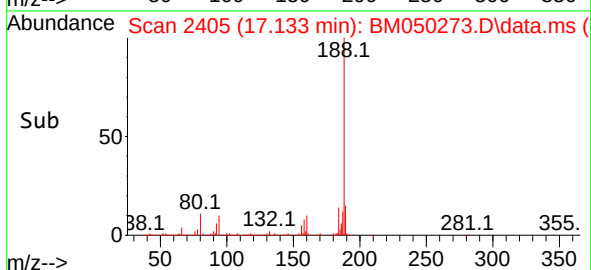
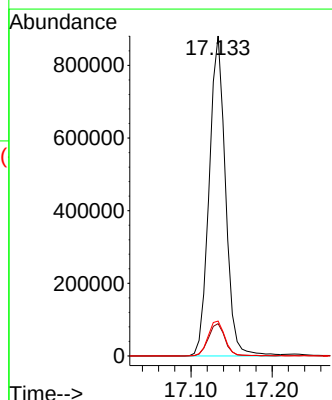
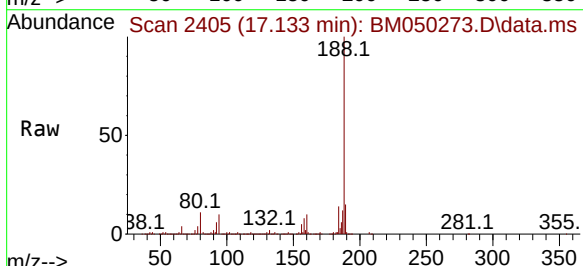
Tgt Ion:188 Resp: 1230960

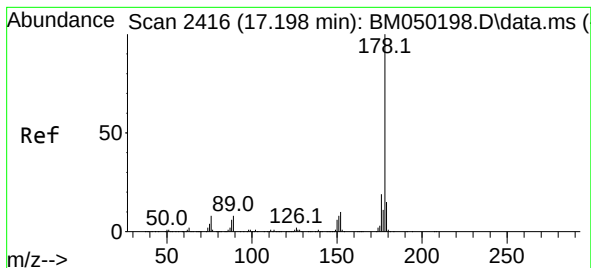
Ion Ratio Lower Upper

188 100

94 10.1 8.1 12.1

80 10.9 8.6 13.0





#71

Phenanthrene

Concen: 5.961 ng

RT: 17.175 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BM050273.D

Acq: 10 Jun 2025 11:59

Instrument :

BNA_M

ClientSampleId :

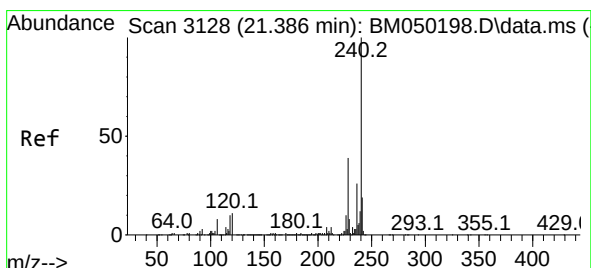
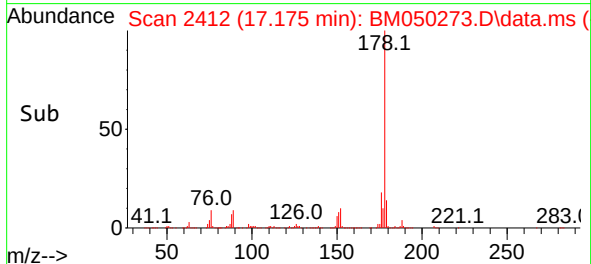
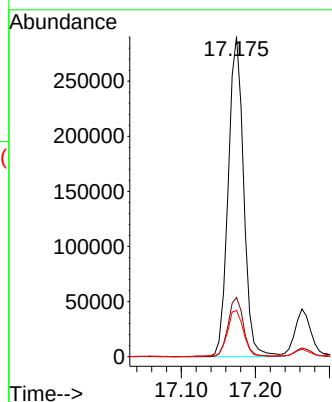
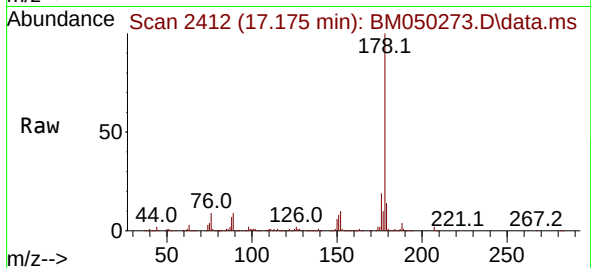
Tgt Ion:178 Resp: 419160

Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

179 14.5 12.3 18.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.011 min

Lab File: BM050273.D

Acq: 10 Jun 2025 11:59

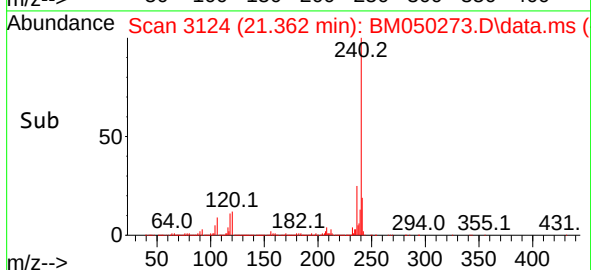
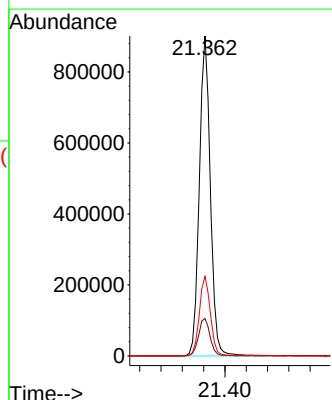
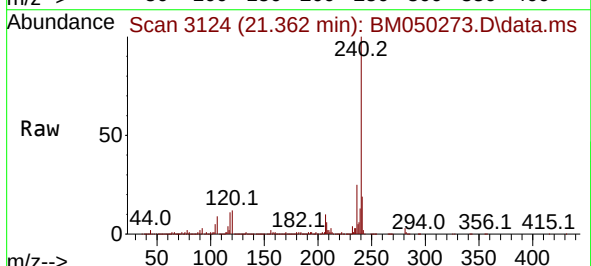
Tgt Ion:240 Resp: 1295114

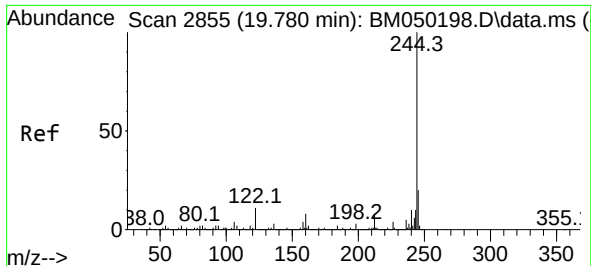
Ion Ratio Lower Upper

240 100

120 11.7 9.0 13.4

236 24.9 20.7 31.1

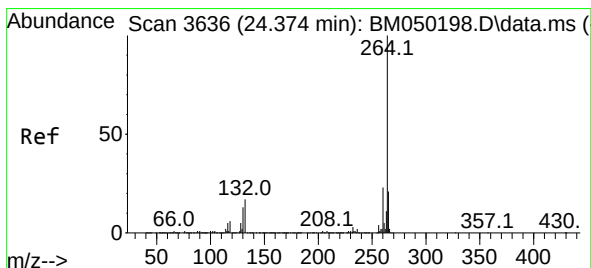
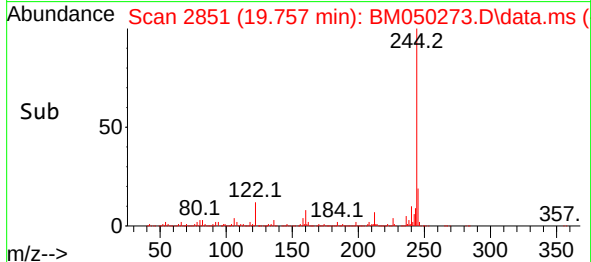
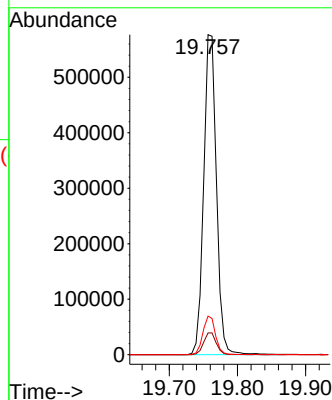
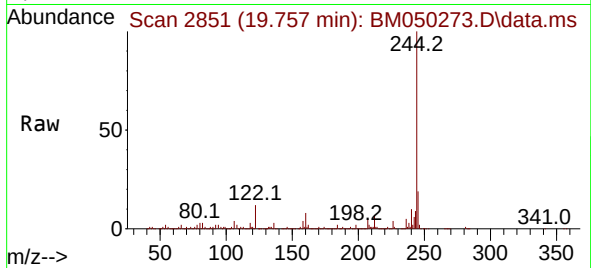




#79
Terphenyl-d14
Concen: 10.993 ng
RT: 19.757 min Scan# 21
Delta R.T. -0.011 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

Instrument :
BNA_M
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	12.1	8.6	12.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.339 min Scan# 3630
Delta R.T. -0.006 min
Lab File: BM050273.D
Acq: 10 Jun 2025 11:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.2	16.8	25.2

