

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032924\
 Data File : BM044818.D
 Acq On : 29 Mar 2024 17:00
 Operator : MA/JU
 Sample : P1876-01 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 29 17:40:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 29 01:24:21 2024
 Response via : Initial Calibration

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

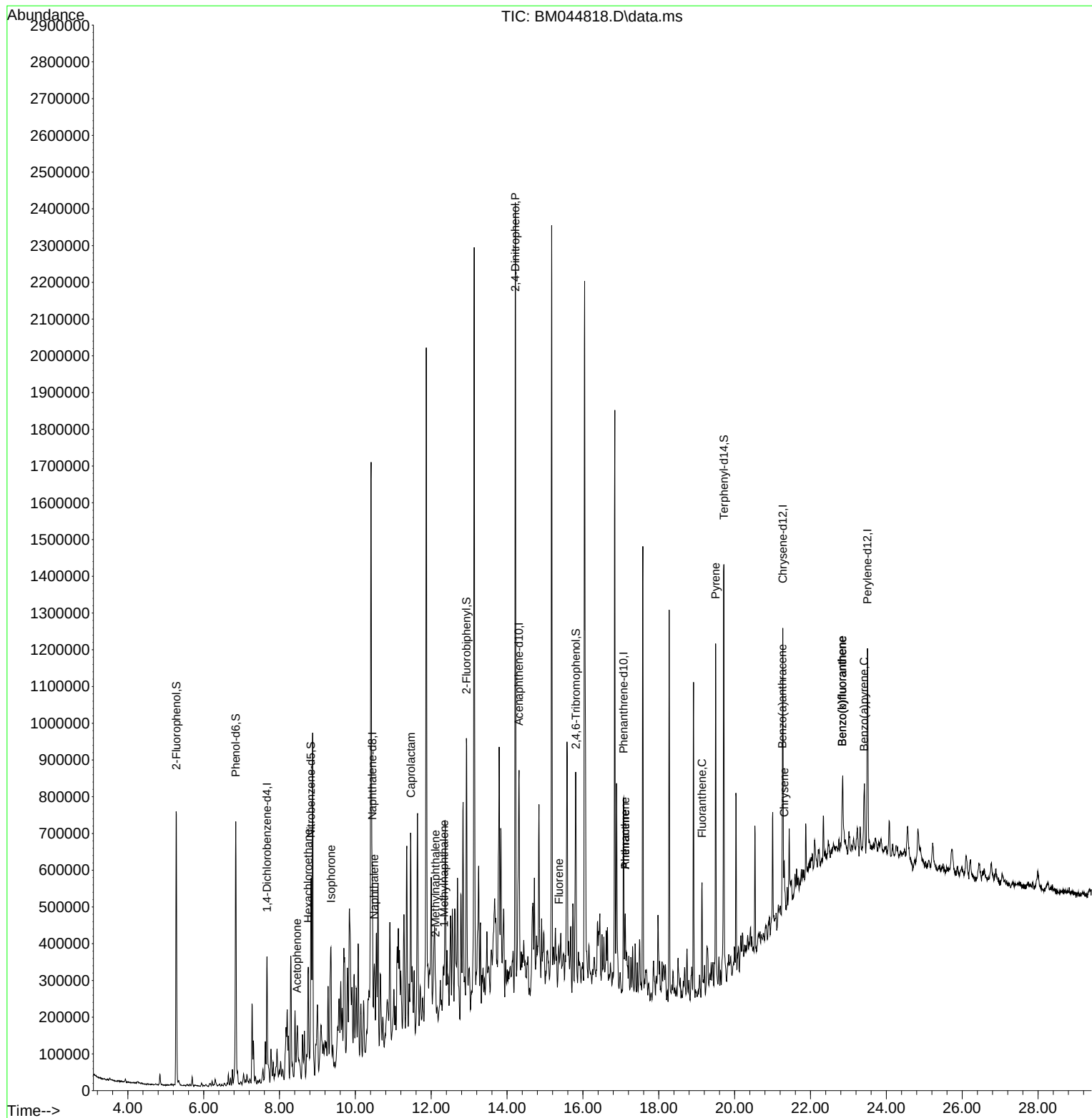
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	86937	20.000	ng	0.00
21) Naphthalene-d8	10.445	136	310312	20.000	ng	#-0.01
39) Acenaphthene-d10	14.316	164	156130	20.000	ng	0.00
64) Phenanthrene-d10	17.069	188	294066	20.000	ng	-0.01
76) Chrysene-d12	21.268	240	311659	20.000	ng	-0.01
86) Perylene-d12	23.503	264	385326	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	304169	50.109	ng	0.00
7) Phenol-d6	6.846	99	383240	48.673	ng	-0.01
23) Nitrobenzene-d5	8.828	82	228151	33.144	ng	-0.01
42) 2,4,6-Tribromophenol	15.816	330	81850	47.975	ng	0.00
45) 2-Fluorobiphenyl	12.928	172	381032	31.257	ng	-0.01
79) Terphenyl-d14	19.715	244	499981	27.187	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	8.757	117	25487	10.016	ng	# 1
22) Acetophenone	8.457	105	51641	6.136	ng	# 55
25) Isophorone	9.357	82	28893	2.603	ng	# 1
31) Naphthalene	10.498	128	39270	2.304	ng	# 79
35) Caprolactam	11.463	113	15436	11.218	ng	# 1
37) 2-Methylnaphthalene	12.116	142	58220	5.205	ng	92
38) 1-Methylnaphthalene	12.339	142	40953	3.928	ng	# 96
54) 2,4-Dinitrophenol	14.222	184	152	6.104	ng	# 1
58) Fluorene	15.369	166	24445	2.275	ng	# 89
71) Phenanthrene	17.116	178	107992	6.583	ng	98
72) Anthracene	17.116	178	107992	6.517	ng	98
75) Fluoranthene	19.139	202	139166	8.498	ng	99
78) Pyrene	19.498	202	151586	6.104	ng	99
81) Benzo(a)anthracene	21.256	228	69450	3.197	ng	# 91
83) Chrysene	21.304	228	71185	3.419	ng	# 89
88) Benzo(b)fluoranthene	22.839	252	87082	3.988	ng	# 85
89) Benzo(k)fluoranthene	22.839	252	87082	3.972	ng	# 85
90) Benzo(a)pyrene	23.409	252	65008	2.934	ng	# 86

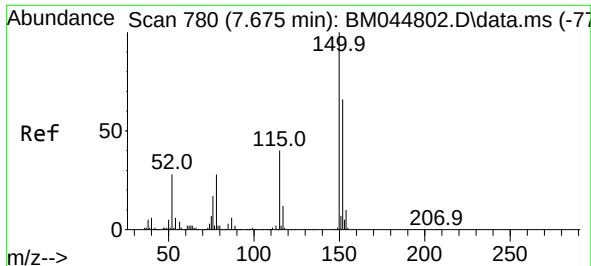
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032924\
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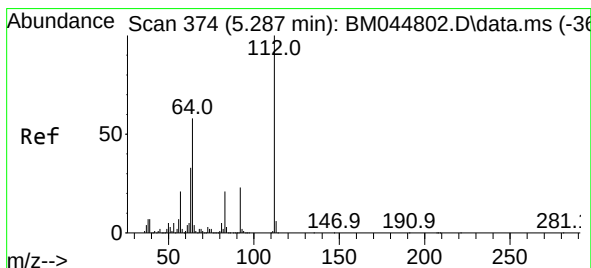
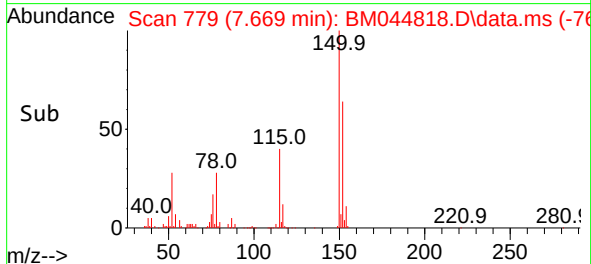
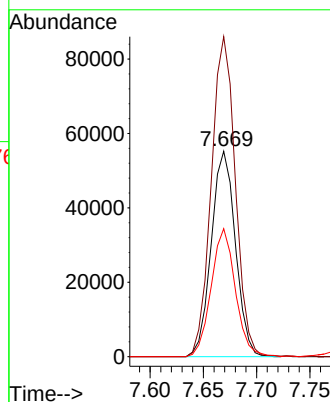
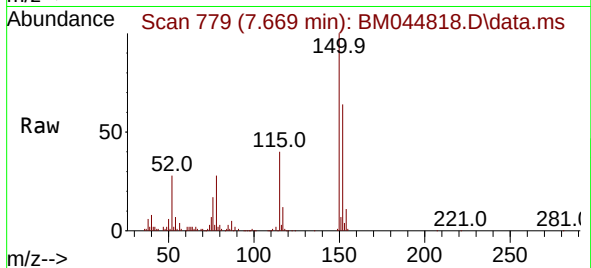




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.669 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

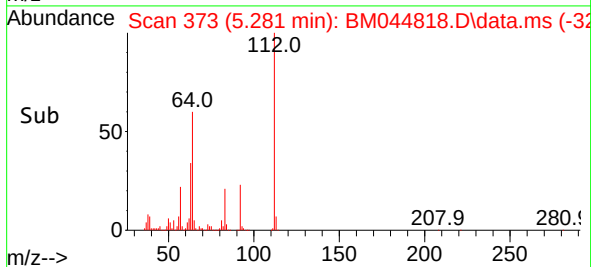
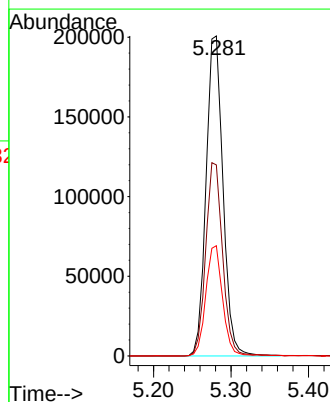
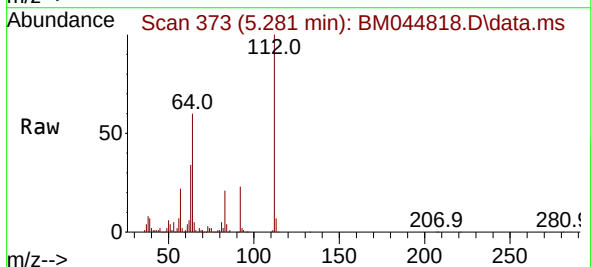
Instrument :
BNA_M
ClientSampleId :

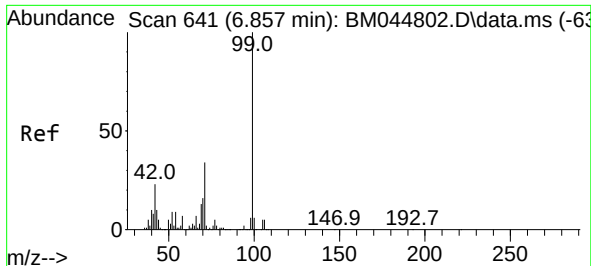
Tgt Ion:152 Resp: 86937
Ion Ratio Lower Upper
152 100
150 155.8 121.0 181.6
115 62.3 48.3 72.5



#5
2-Fluorophenol
Concen: 50.109 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

Tgt Ion:112 Resp: 304169
Ion Ratio Lower Upper
112 100
64 59.7 46.4 69.6
63 34.4 26.2 39.4

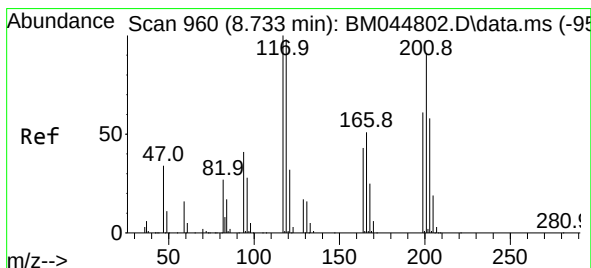
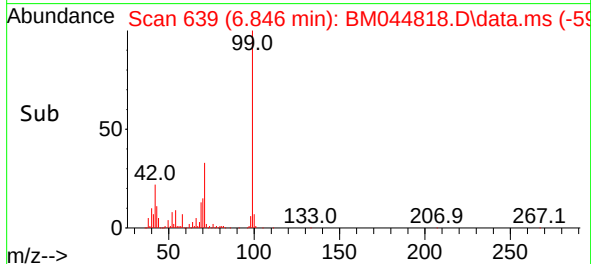
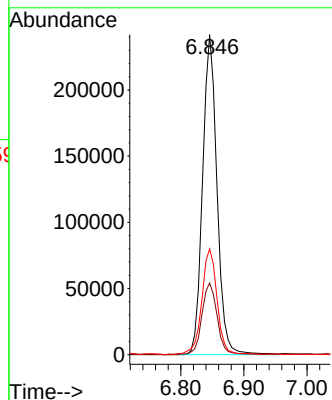
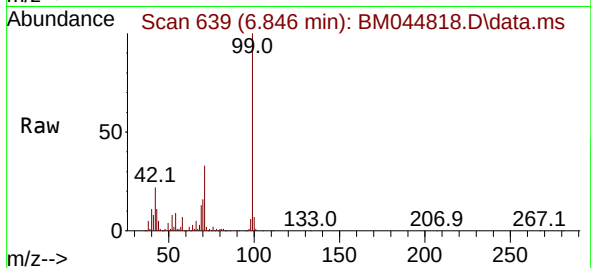




#7
Phenol-d6
Concen: 48.673 ng
RT: 6.846 min Scan# 61
Delta R.T. -0.011 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

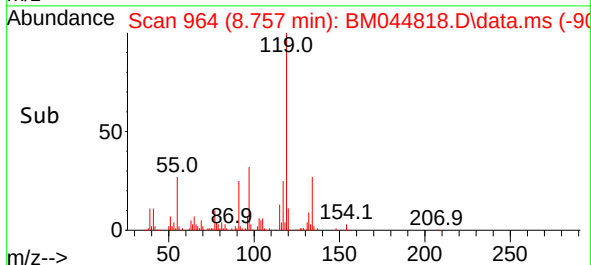
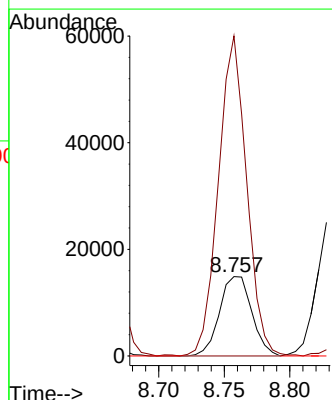
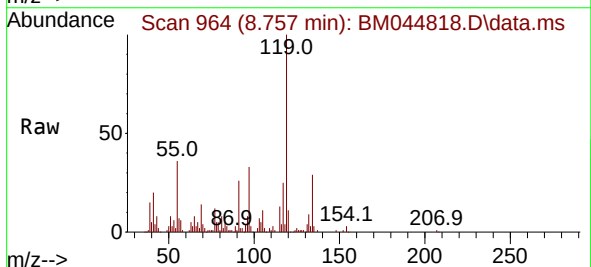
Instrument :
BNA_M
ClientSampleId :

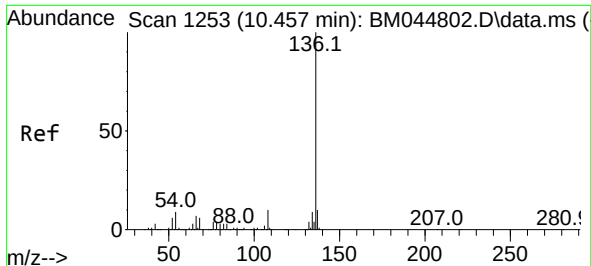
Tgt Ion: 99 Resp: 383240
Ion Ratio Lower Upper
99 100
42 22.4 18.2 27.4
71 33.0 27.3 40.9



#18
Hexachloroethane
Concen: 10.016 ng
RT: 8.757 min Scan# 964
Delta R.T. 0.024 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

Tgt Ion: 117 Resp: 25487
Ion Ratio Lower Upper
117 100
119 402.9 78.6 118.0#
201 0.0 72.7 109.1#

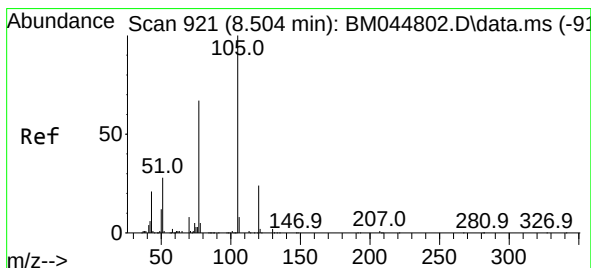
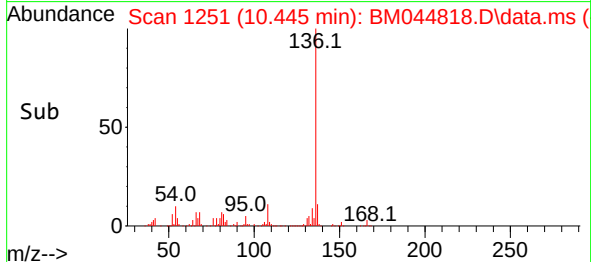
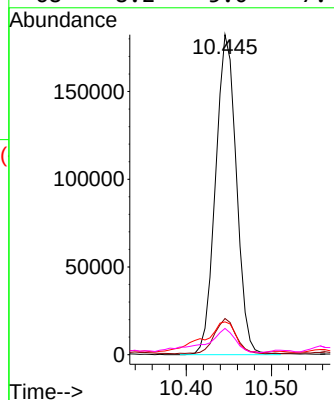
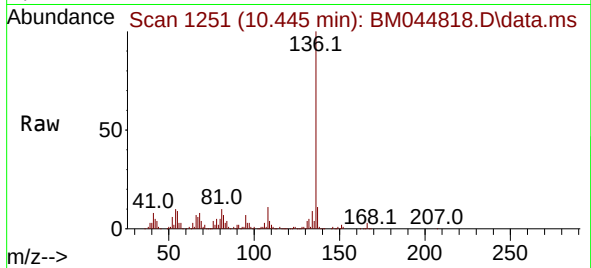




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.445 min Scan# 11
Delta R.T. -0.011 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

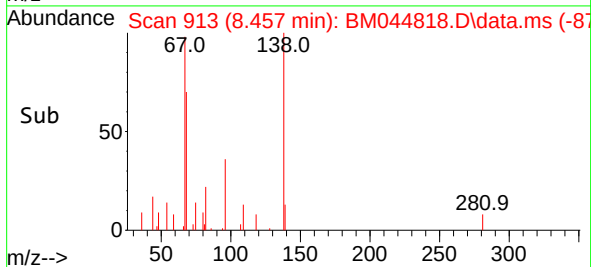
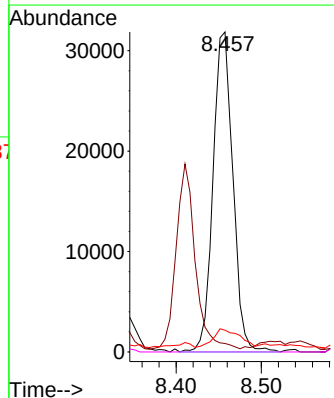
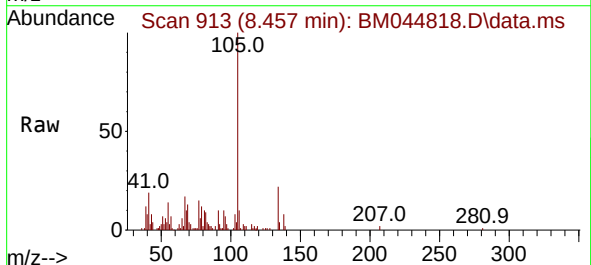
Instrument :
BNA_M
ClientSampleId :

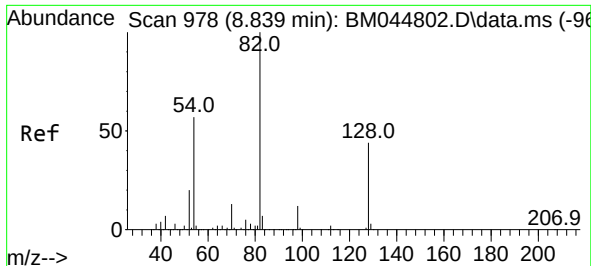
Tgt Ion:136 Resp: 310312
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 10.3 7.3 10.9
68 8.2 5.0 7.4#



#22
Acetophenone
Concen: 6.136 ng
RT: 8.457 min Scan# 913
Delta R.T. -0.047 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

Tgt Ion:105 Resp: 51641
Ion Ratio Lower Upper
105 100
71 2.7 1.6 2.4#
51 6.8 25.9 38.9#
120 0.0 18.8 28.2#

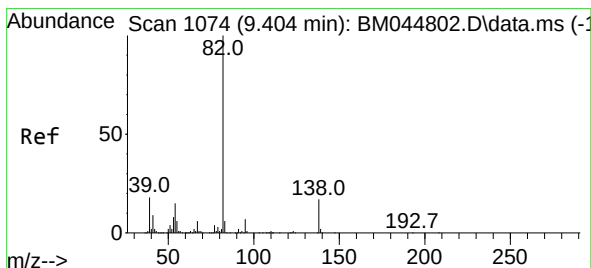
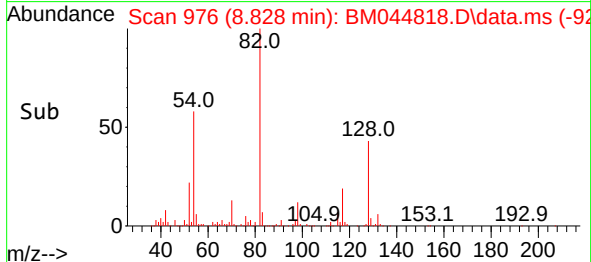
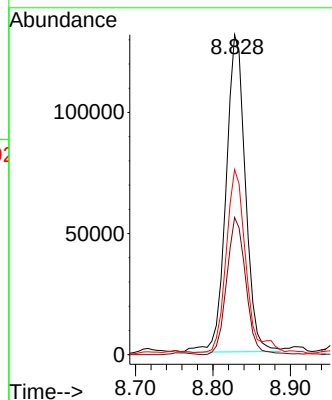
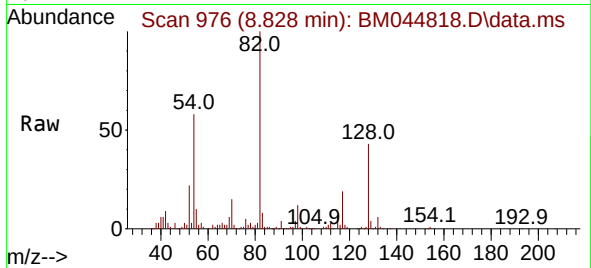




#23
Nitrobenzene-d5
Concen: 33.144 ng
RT: 8.828 min Scan# 91
Delta R.T. -0.011 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

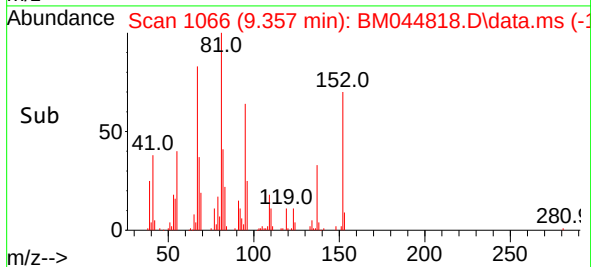
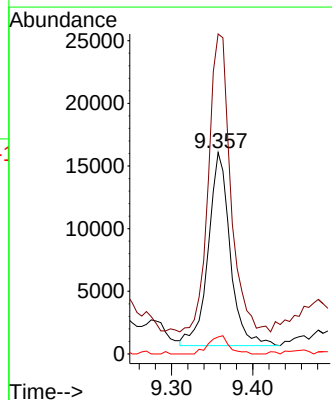
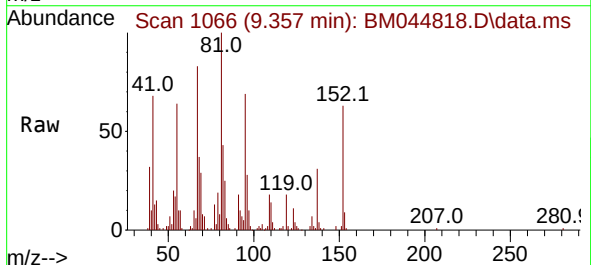
Instrument :
BNA_M
ClientSampleId :

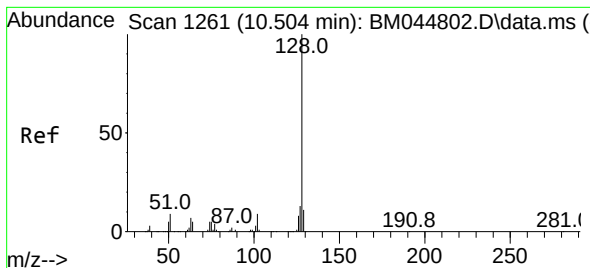
Tgt Ion: 82 Resp: 228151
Ion Ratio Lower Upper
82 100
128 42.9 34.8 52.2
54 57.8 45.4 68.0



#25
Isophorone
Concen: 2.603 ng
RT: 9.357 min Scan# 1066
Delta R.T. -0.047 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

Tgt Ion: 82 Resp: 28893
Ion Ratio Lower Upper
82 100
95 158.9 5.3 7.9#
138 8.5 13.6 20.4#





#31

Naphthalene

Concen: 2.304 ng

RT: 10.498 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

Instrument :

BNA_M

ClientSampleId :

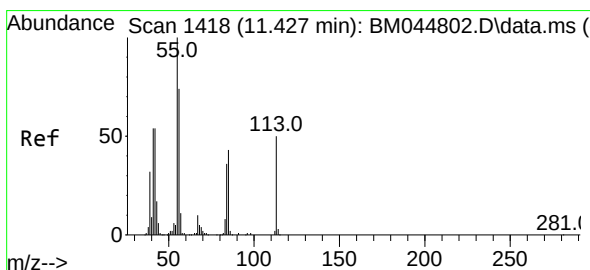
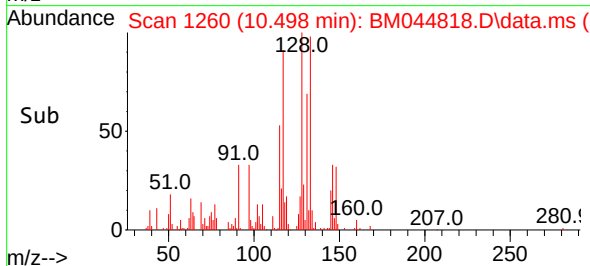
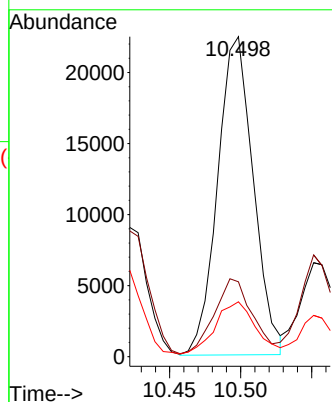
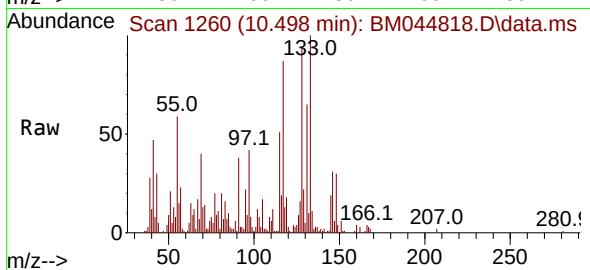
Tgt Ion:128 Resp: 39270

Ion Ratio Lower Upper

128 100

129 23.4 8.8 13.2#

127 17.2 10.1 15.1#



#35

Caprolactam

Concen: 11.218 ng

RT: 11.463 min Scan# 1424

Delta R.T. 0.036 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

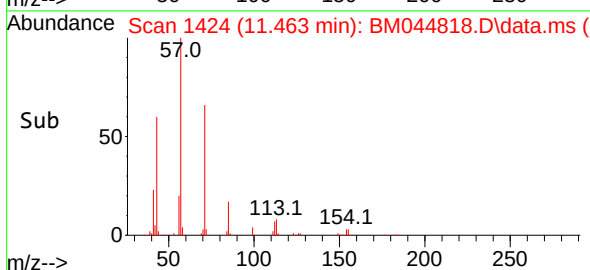
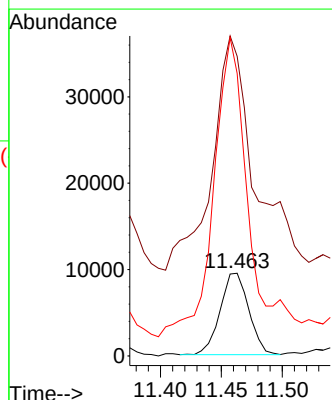
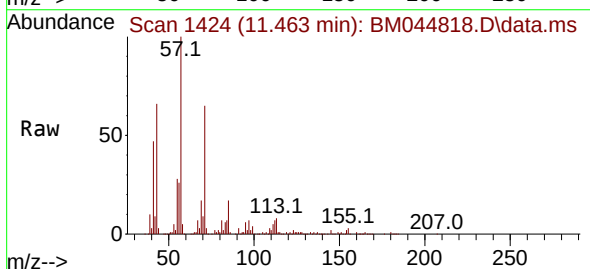
Tgt Ion:113 Resp: 15436

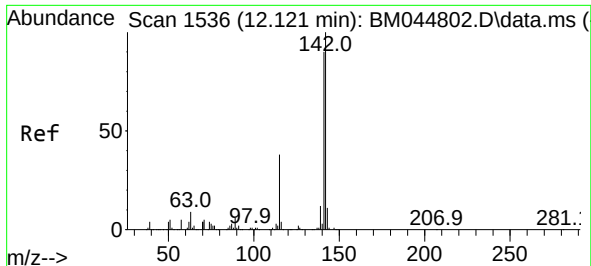
Ion Ratio Lower Upper

113 100

55 362.1 180.8 220.8#

56 341.3 127.4 167.4#





#37

2-Methylnaphthalene

Concen: 5.205 ng

RT: 12.116 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

Instrument :

BNA_M

ClientSampleId :

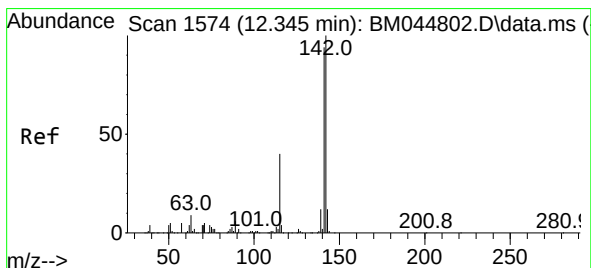
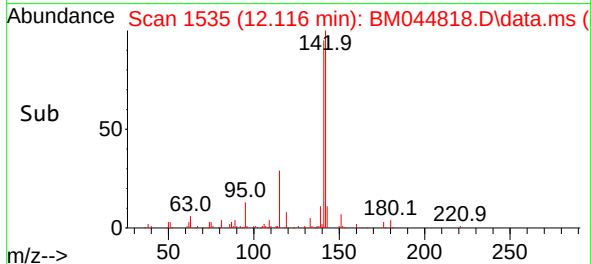
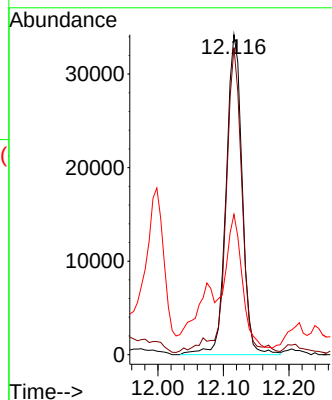
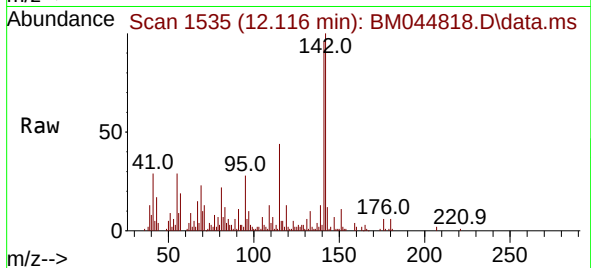
Tgt Ion:142 Resp: 58220

Ion Ratio Lower Upper

142 100

141 96.0 71.7 107.5

115 43.9 30.3 45.5



#38

1-Methylnaphthalene

Concen: 3.928 ng

RT: 12.339 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

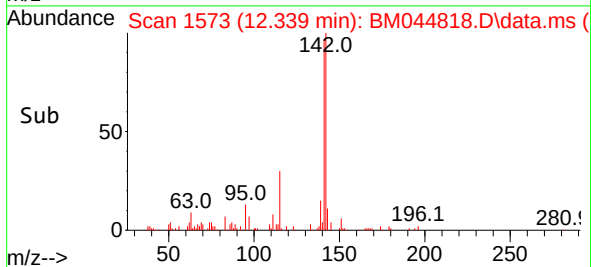
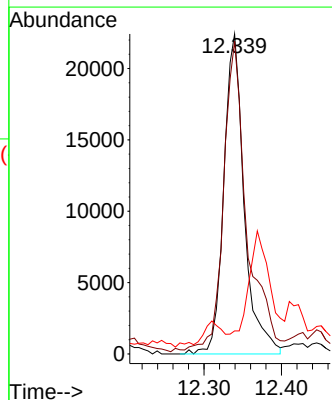
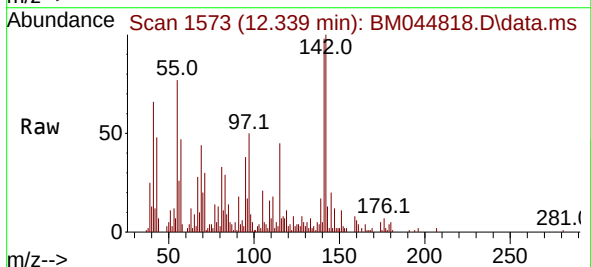
Tgt Ion:142 Resp: 40953

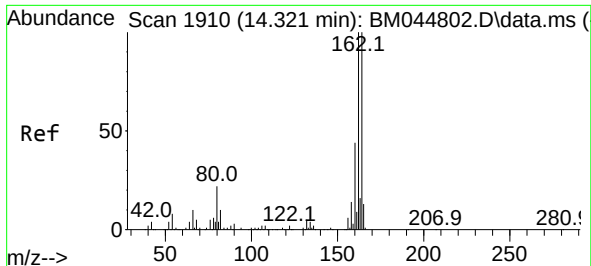
Ion Ratio Lower Upper

142 100

141 97.7 75.6 113.4

116 7.2 3.3 4.9#

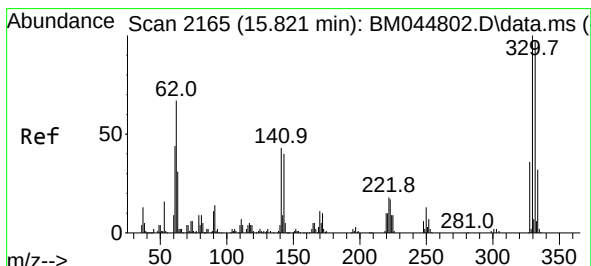
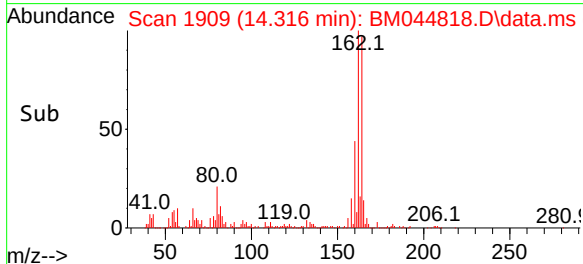
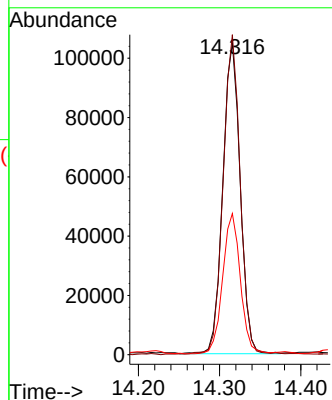
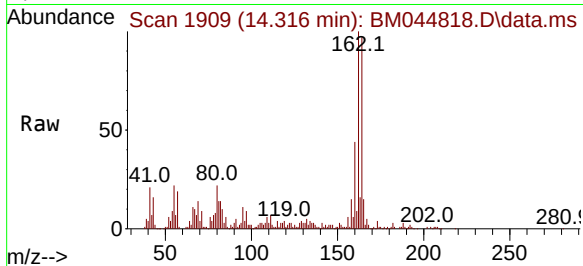




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.316 min Scan# 1910
Delta R.T. -0.006 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

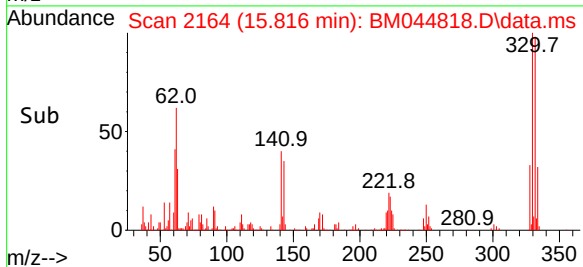
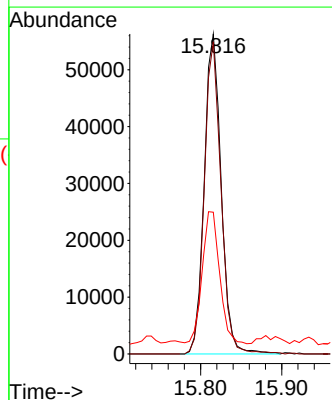
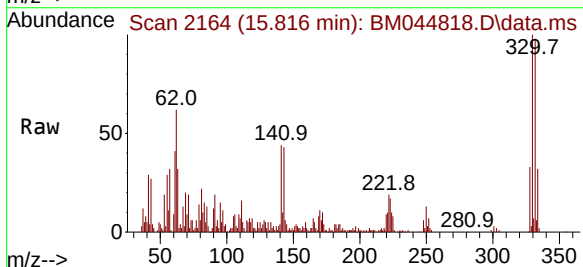
Instrument :
BNA_M
ClientSampleId :

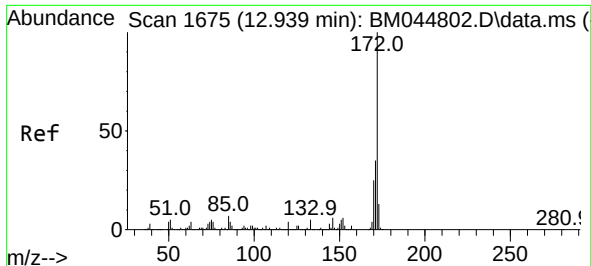
Tgt Ion:164 Resp: 156130
Ion Ratio Lower Upper
164 100
162 102.7 80.2 120.4
160 45.3 35.4 53.2



#42
2,4,6-Tribromophenol
Concen: 47.975 ng
RT: 15.816 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

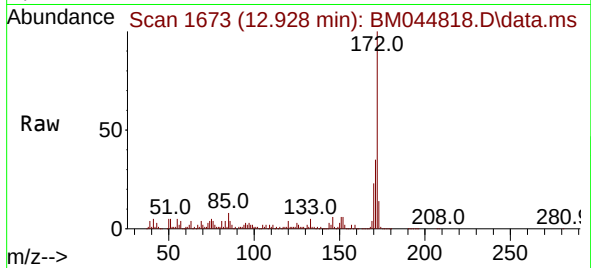
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Ion Ratio Lower Upper
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332 95.6 77.0 115.4
141 42.3 34.1 51.1



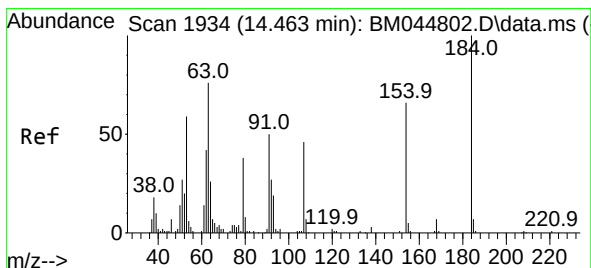
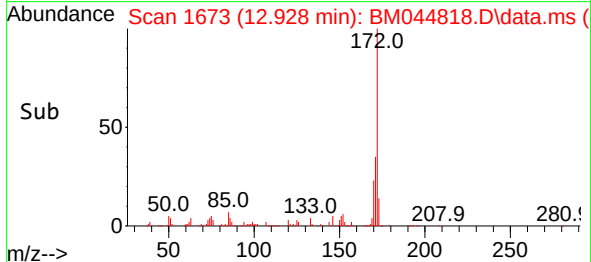
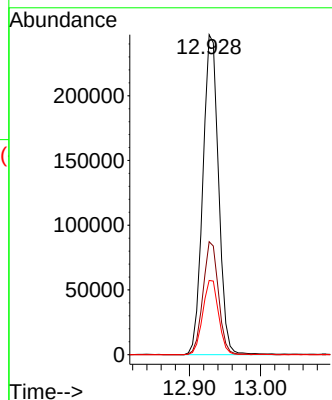


#45
2-Fluorobiphenyl
Concen: 31.257 ng
RT: 12.928 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

Instrument :
BNA_M
ClientSampleId :

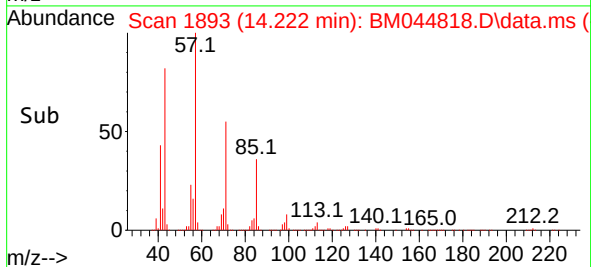
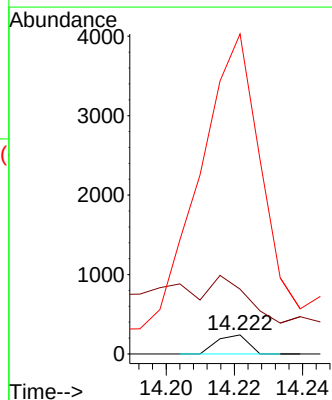
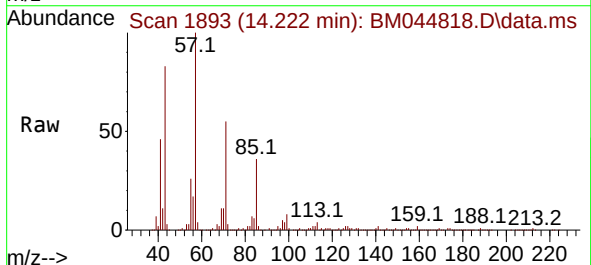


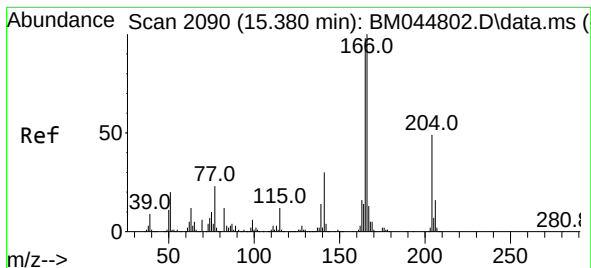
Tgt Ion:172 Resp: 381032
Ion Ratio Lower Upper
172 100
171 35.3 27.8 41.8
170 23.2 19.8 29.6



#54
2,4-Dinitrophenol
Concen: 6.104 ng
RT: 14.222 min Scan# 1893
Delta R.T. -0.241 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

Tgt Ion:184 Resp: 152
Ion Ratio Lower Upper
184 100
63 339.6 60.9 91.3#
154 1678.7 54.2 81.4#





#58

Fluorene

Concen: 2.275 ng

RT: 15.369 min Scan# 2090

Delta R.T. -0.011 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

Instrument :

BNA_M

ClientSampleId :

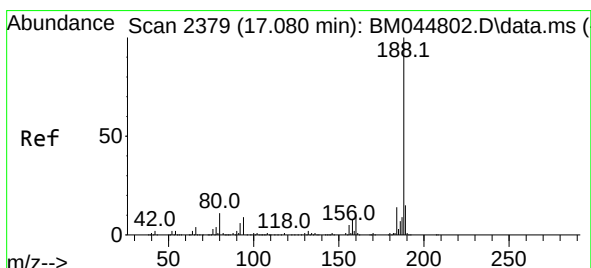
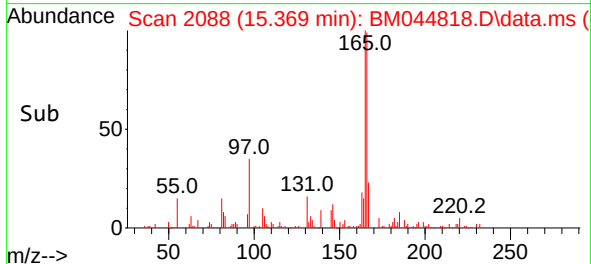
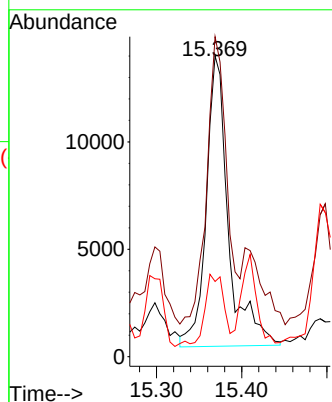
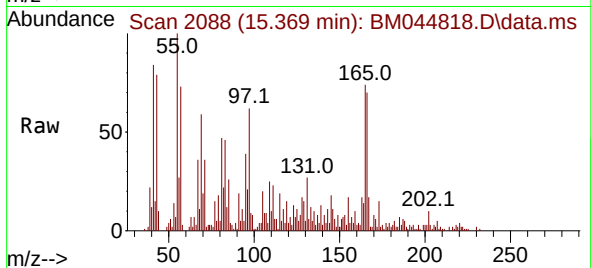
Tgt Ion:166 Resp: 24445

Ion Ratio Lower Upper

166 100

165 106.4 78.6 117.8

167 25.0 10.8 16.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.069 min Scan# 2377

Delta R.T. -0.011 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

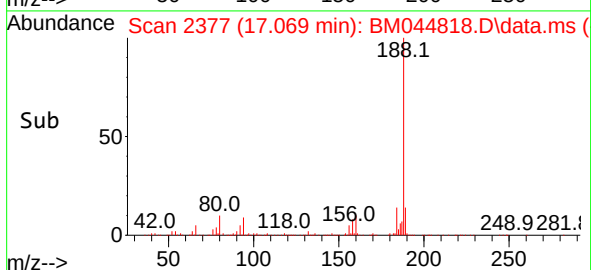
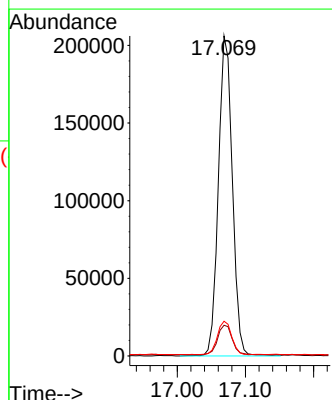
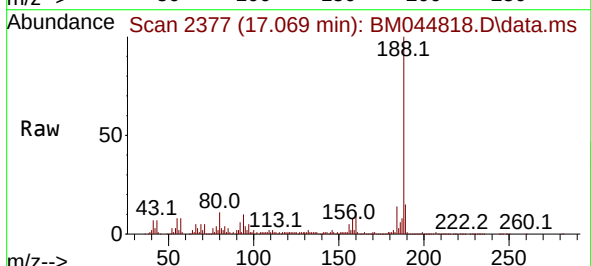
Tgt Ion:188 Resp: 294066

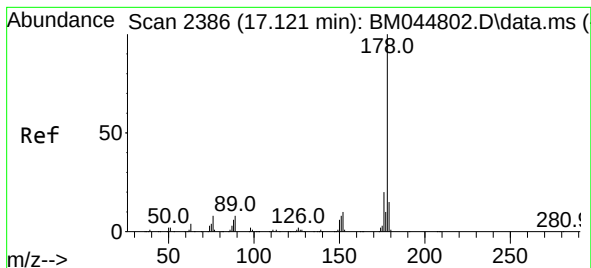
Ion Ratio Lower Upper

188 100

94 9.6 7.4 11.0

80 10.8 8.6 12.8





#71

Phenanthrene

Concen: 6.583 ng

RT: 17.116 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

Instrument :

BNA_M

ClientSampleId :

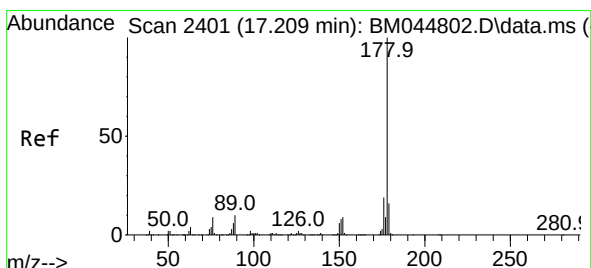
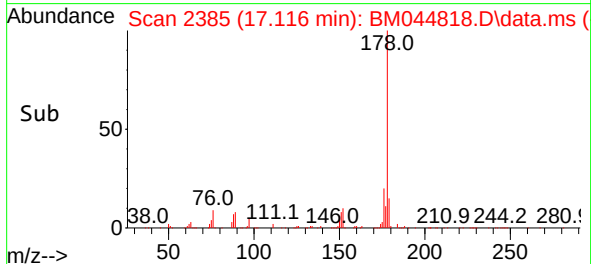
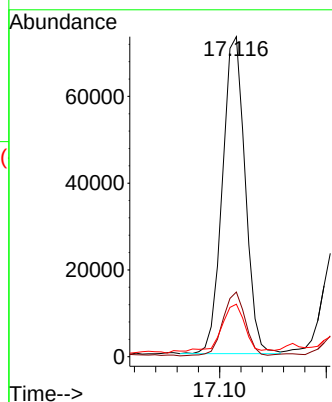
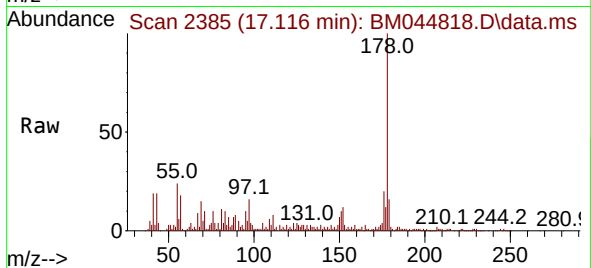
Tgt Ion:178 Resp: 107992

Ion Ratio Lower Upper

178 100

176 20.2 16.0 24.0

179 16.4 12.2 18.2



#72

Anthracene

Concen: 6.517 ng

RT: 17.116 min Scan# 2385

Delta R.T. -0.094 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

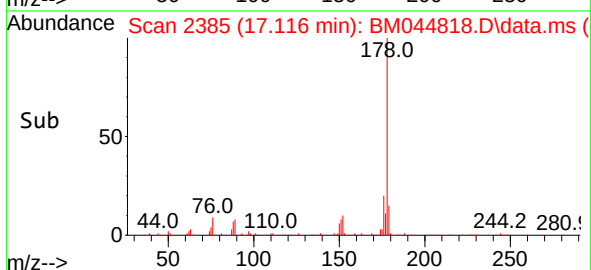
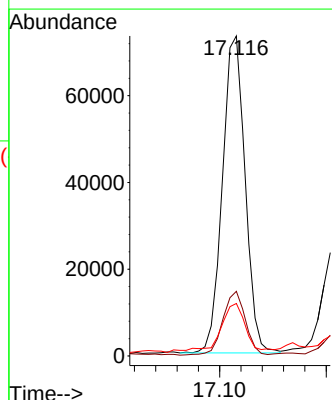
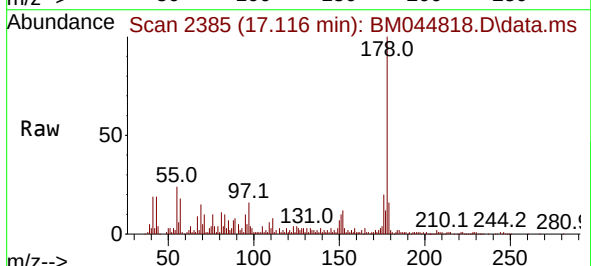
Tgt Ion:178 Resp: 107992

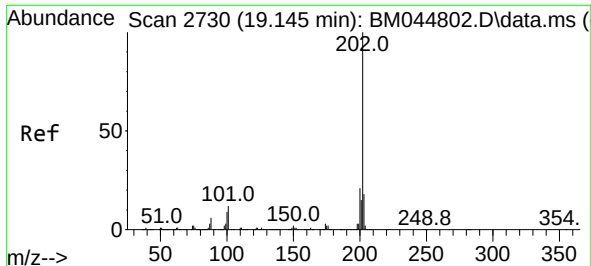
Ion Ratio Lower Upper

178 100

176 20.2 15.4 23.0

179 16.4 12.8 19.2

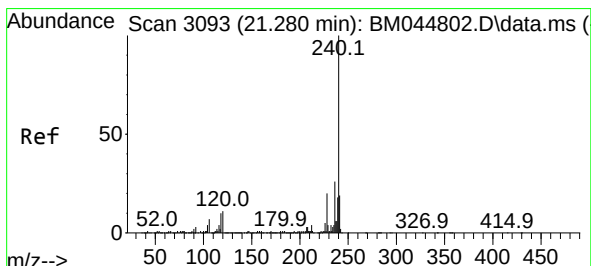
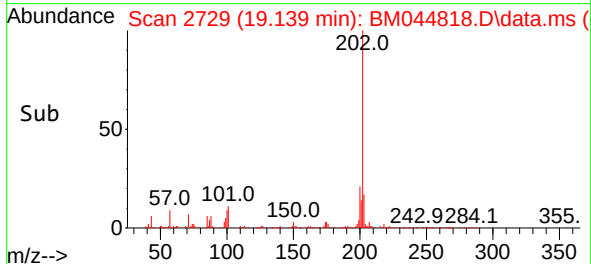
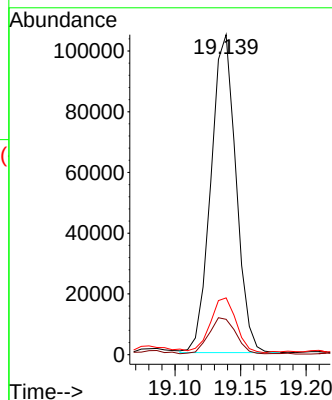
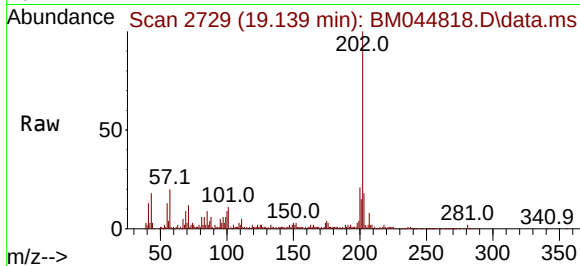




#75
Fluoranthene
Concen: 8.498 ng
RT: 19.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

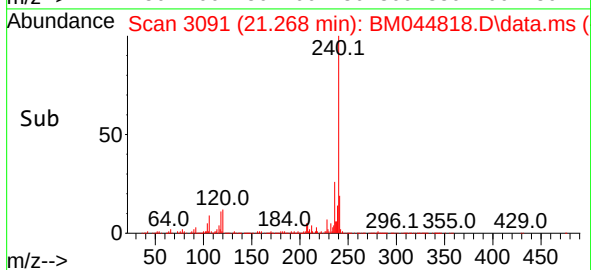
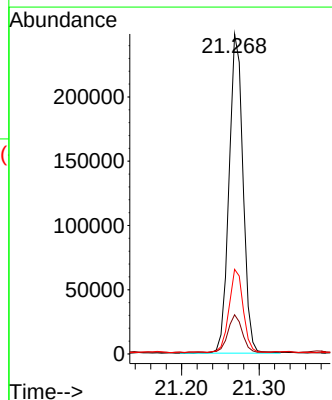
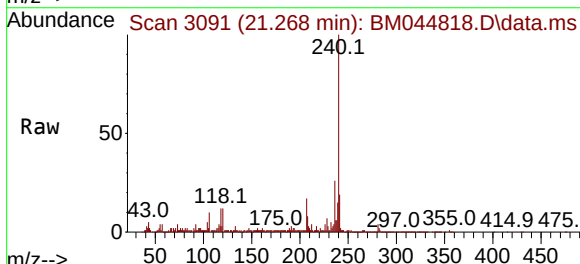
Instrument :
BNA_M
ClientSampleId :

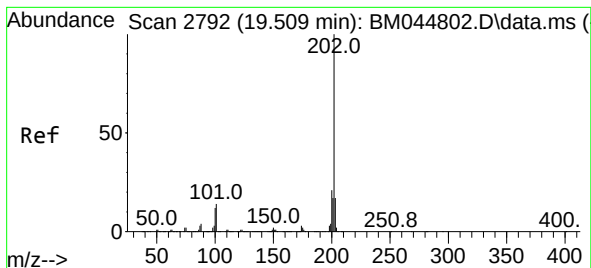
Tgt Ion:202 Resp: 139166
Ion Ratio Lower Upper
202 100
101 11.1 0.0 32.2
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.268 min Scan# 3091
Delta R.T. -0.011 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

Tgt Ion:240 Resp: 311659
Ion Ratio Lower Upper
240 100
120 12.3 8.6 12.8
236 26.4 20.8 31.2





#78

Pyrene

Concen: 6.104 ng

RT: 19.498 min Scan# 21

Delta R.T. -0.011 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

Instrument :

BNA_M

ClientSampleId :

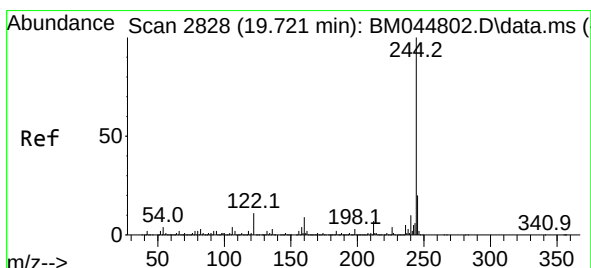
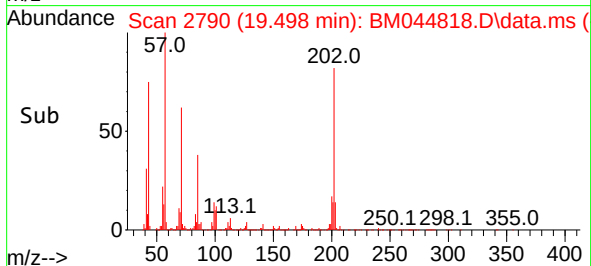
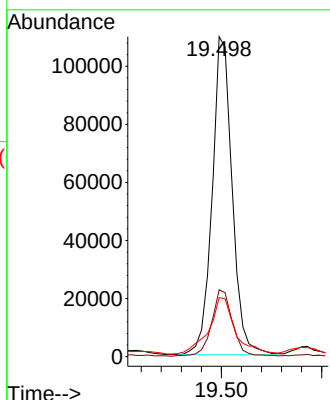
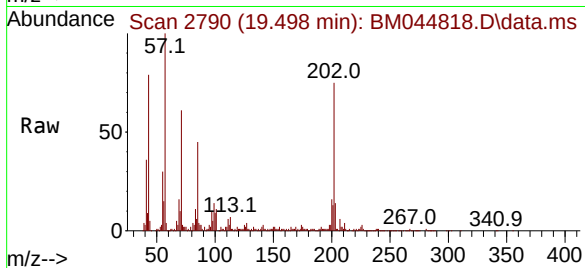
Tgt Ion:202 Resp: 151586

Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.4

203 18.5 13.9 20.9



#79

Terphenyl-d14

Concen: 27.187 ng

RT: 19.715 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

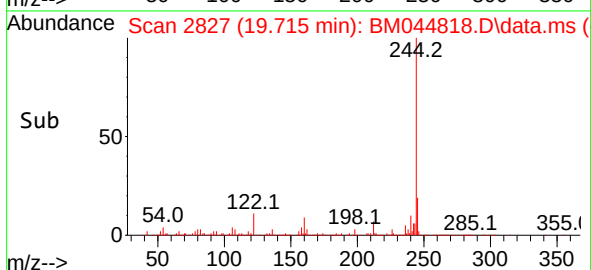
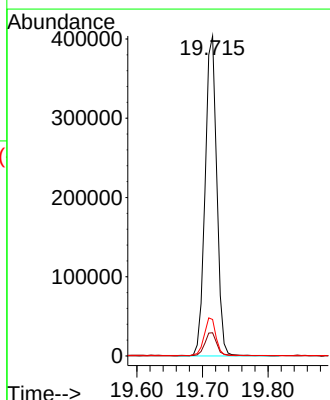
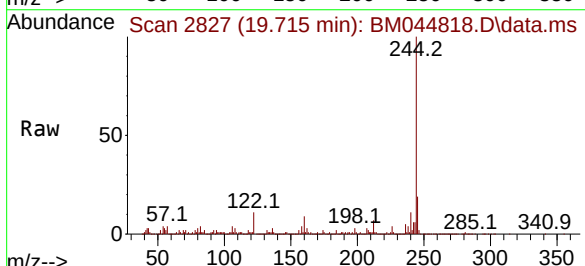
Tgt Ion:244 Resp: 499981

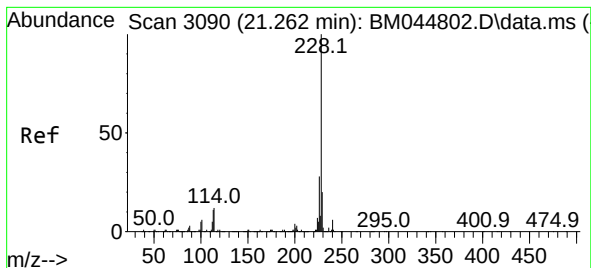
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 11.4 8.8 13.2





#81

Benzo(a)anthracene

Concen: 3.197 ng

RT: 21.256 min Scan# 3090

Delta R.T. -0.006 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

Instrument :

BNA_M

ClientSampleId :

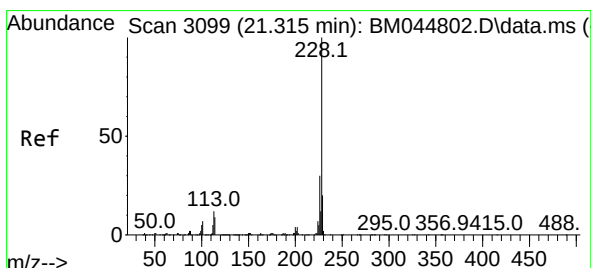
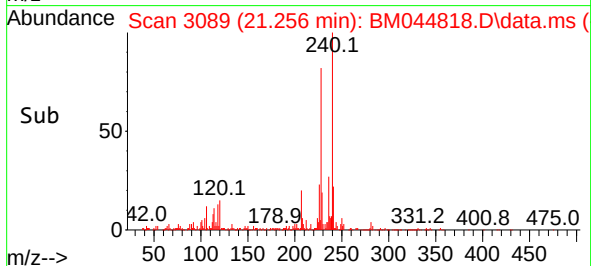
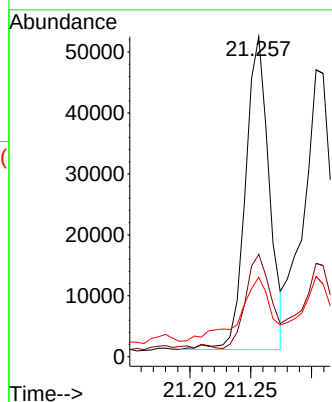
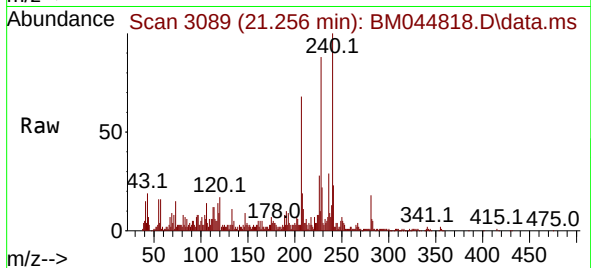
Tgt Ion:228 Resp: 69450

Ion Ratio Lower Upper

228 100

226 32.0 22.1 33.1

229 24.8 15.8 23.8#



#83

Chrysene

Concen: 3.419 ng

RT: 21.304 min Scan# 3097

Delta R.T. -0.011 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

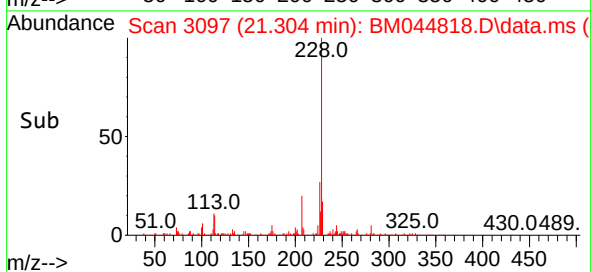
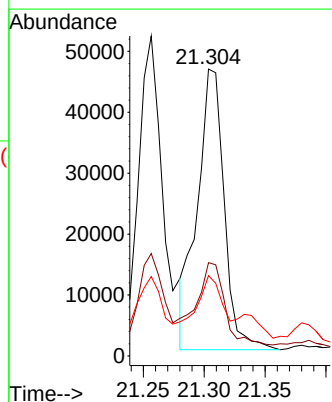
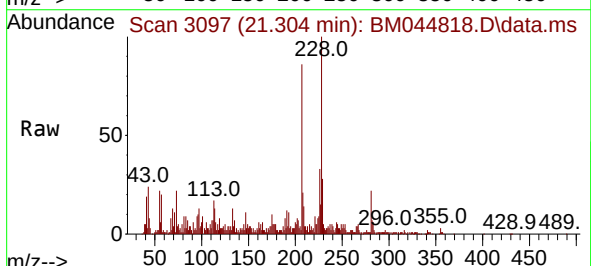
Tgt Ion:228 Resp: 71185

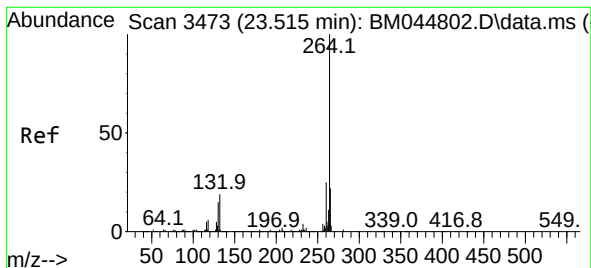
Ion Ratio Lower Upper

228 100

226 32.5 23.7 35.5

229 28.0 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.503 min Scan# 34

Delta R.T. -0.011 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

Instrument :

BNA_M

ClientSampleId :

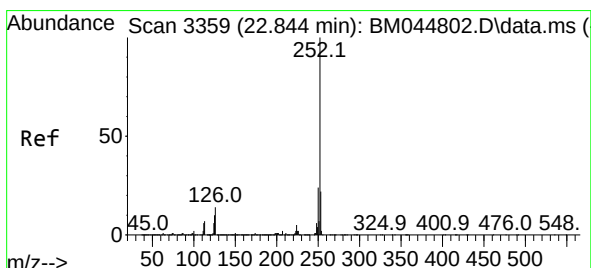
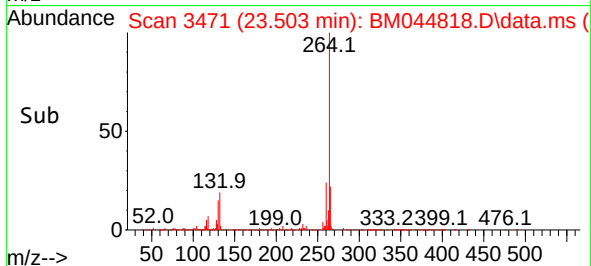
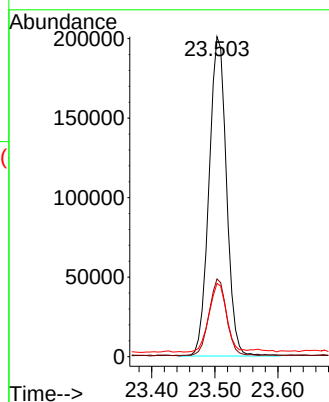
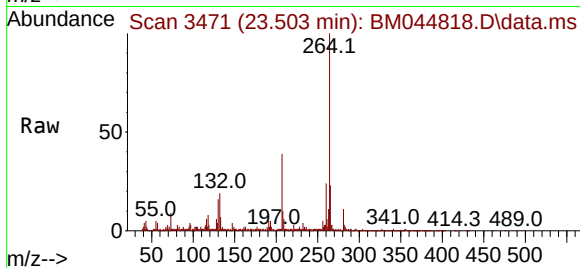
Tgt Ion:264 Resp: 385326

Ion Ratio Lower Upper

264 100

260 24.3 19.7 29.5

265 22.9 18.9 28.3



#88

Benzo(b)fluoranthene

Concen: 3.988 ng

RT: 22.839 min Scan# 3358

Delta R.T. -0.006 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

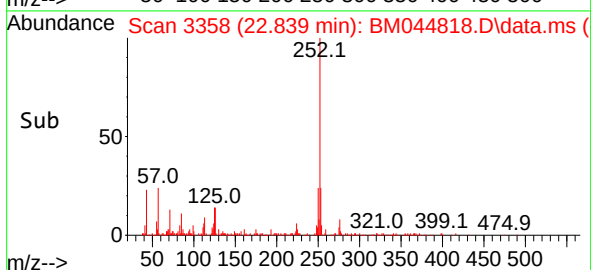
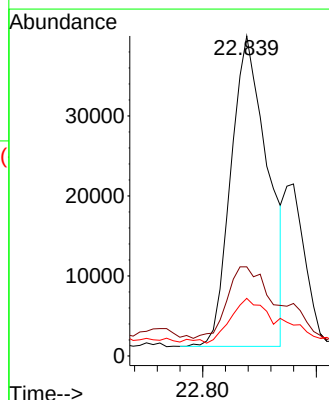
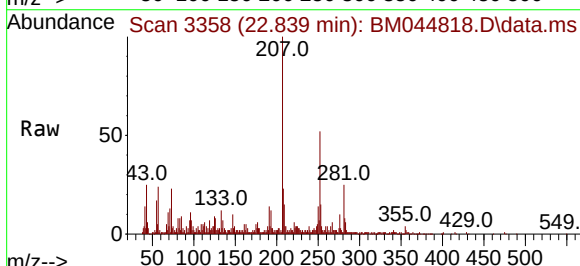
Tgt Ion:252 Resp: 87082

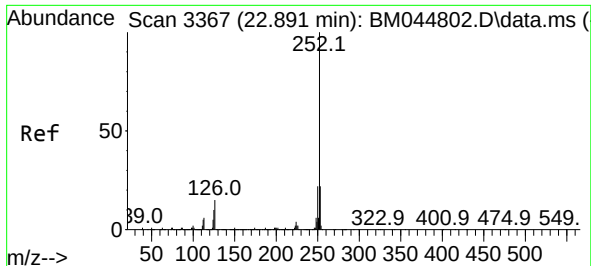
Ion Ratio Lower Upper

252 100

253 27.8 17.5 26.3#

125 18.0 8.6 12.8#

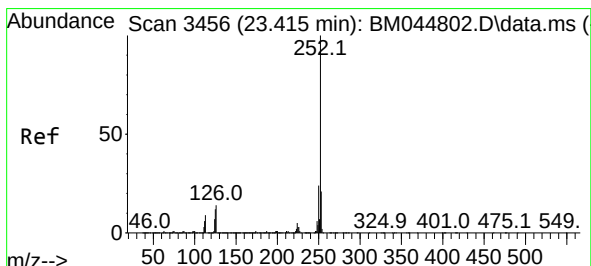
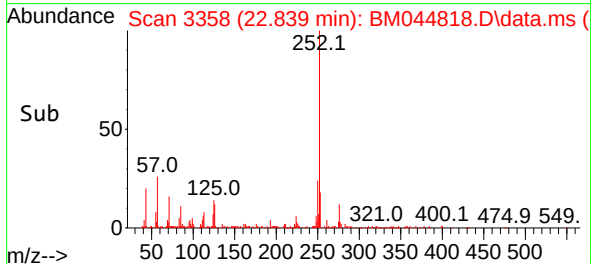
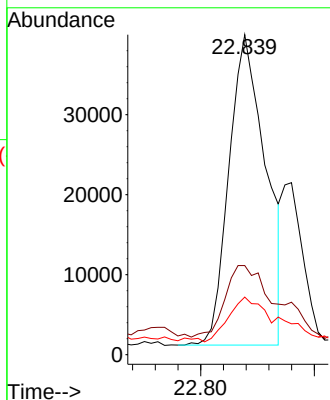
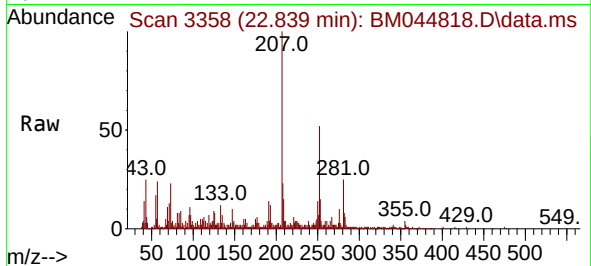




#89
Benzo(k)fluoranthene
Concen: 3.972 ng
RT: 22.839 min Scan# 31
Delta R.T. -0.053 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 87082
Ion Ratio Lower Upper
252 100
253 27.8 17.7 26.5#
125 18.0 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 2.934 ng
RT: 23.409 min Scan# 3455
Delta R.T. -0.006 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

Tgt Ion:252 Resp: 65008
Ion Ratio Lower Upper
252 100
253 27.8 17.3 25.9#
125 18.0 9.8 14.8#

