

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071224\
 Data File : BM046558.D
 Acq On : 12 Jul 2024 23:10
 Operator : MA/JU
 Sample : P3087-02MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CB7MS

Quant Time: Jul 13 00:36:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 05:09:19 2024
 Response via : Initial Calibration

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

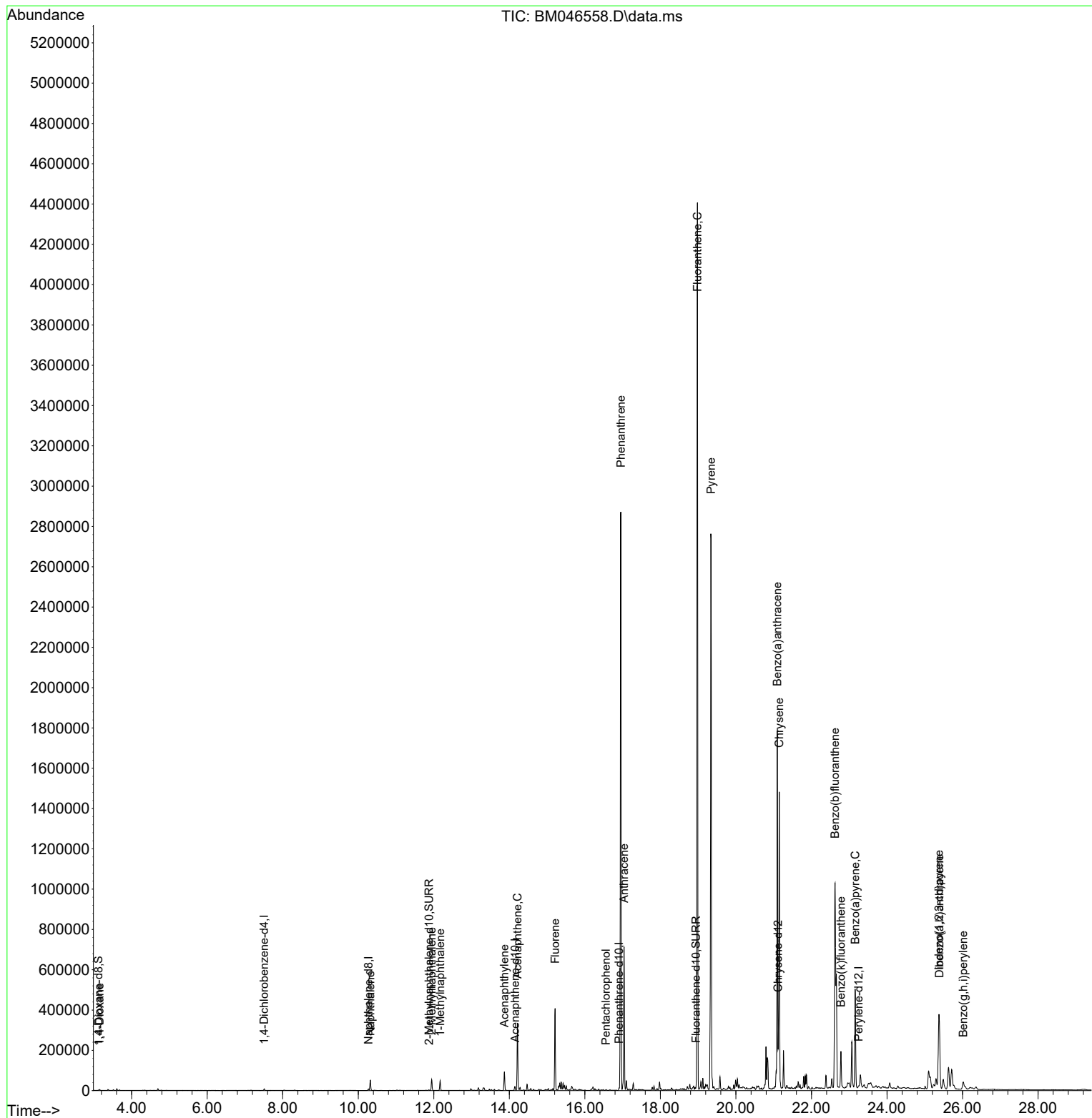
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.510	152	3893	0.400	ng/ul	0.00
4) Naphthalene-d8	10.271	136	10514	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.150	164	7170	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.905	188	14663	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.111	240	9095	0.400	ng/ul	# 0.00
23) Perylene-d12	23.247	264	13016	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	1149	0.359	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.871	152	4318	0.255	ng/ul	0.00
18) Fluoranthene-d10	18.942	212	9346	0.338	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.151	88	3030	0.888	ng/ul#	73
5) Naphthalene	10.321	128	66164	2.474	ng/ul	94
7) 2-Methylnaphthalene	11.943	142	37144	1.977	ng/ul	100
8) 1-Methylnaphthalene	12.168	142	32359	1.688	ng/ul	99
10) Acenaphthylene	13.868	152	106563	3.265	ng/ul	97
11) Acenaphthene	14.215	153	185017	8.461	ng/ul	96
12) Fluorene	15.210	166	242556	8.964	ng/ul	98
14) Pentachlorophenol	16.559	266	2214	0.298	ng/ul	99
15) Phenanthrene	16.951	178	3083200	73.685	ng/ul	98
16) Anthracene	17.040	178	726494	17.792	ng/ul	97
19) Fluoranthene	18.979	202	3958156	105.953	ng/ul#	98
20) Pyrene	19.341	202	2621664	64.818	ng/ul	99
21) Benzo(a)anthracene	21.093	228	1446625	35.954	ng/ul	99
22) Chrysene	21.146	228	1294998	33.264	ng/ul	98
24) Benzo(b)fluoranthene	22.624	252	2263446	43.537	ng/ul	90
25) Benzo(k)fluoranthene	22.779	252	189969	3.722	ng/ul	99
26) Benzo(a)pyrene	23.156	252	658908	15.399	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	25.376	276	579110	8.894	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.386	278	198083	3.843	ng/ul	97
29) Benzo(g,h,i)perylene	26.017	276	85908	1.654	ng/ul	97

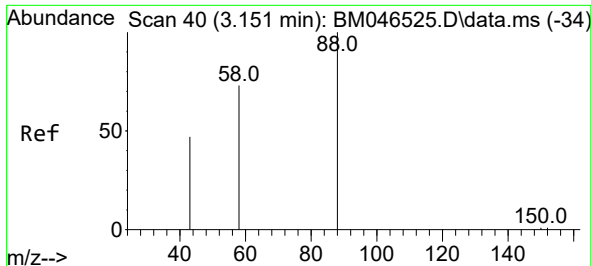
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 13 00:36:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 05:09:19 2024
Response via : Initial Calibration

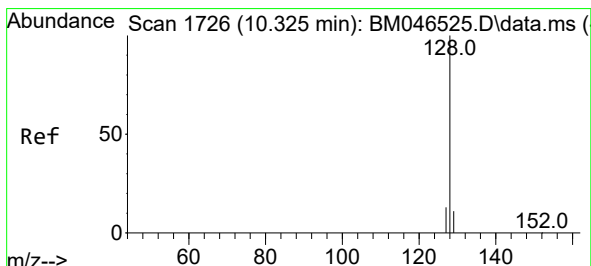
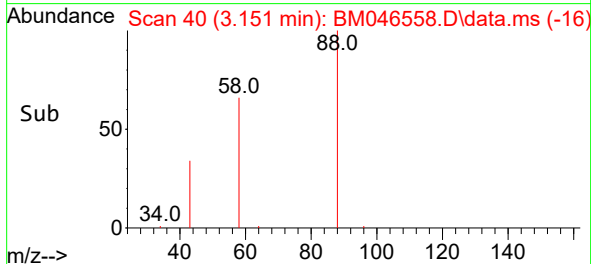
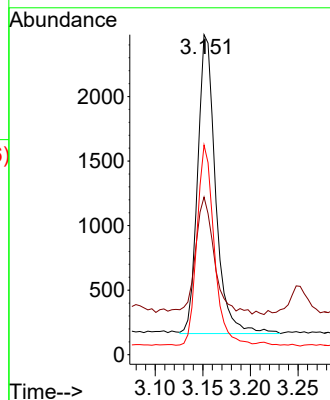
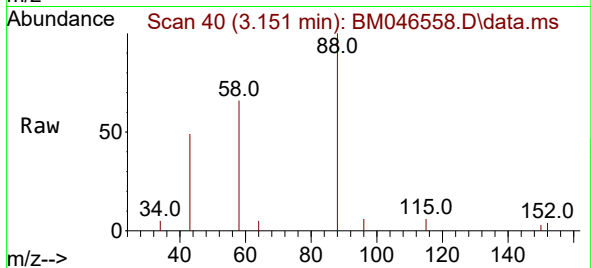




#2
1,4-Dioxane
Concen: 0.888 ng/ul
RT: 3.151 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM046558.D
Acq: 12 Jul 2024 23:10

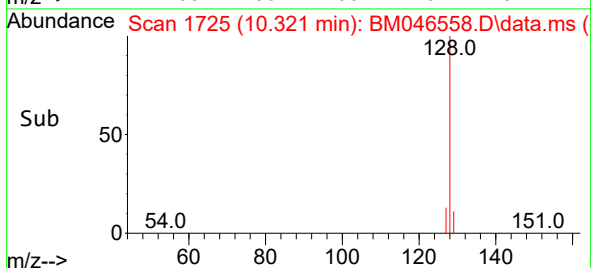
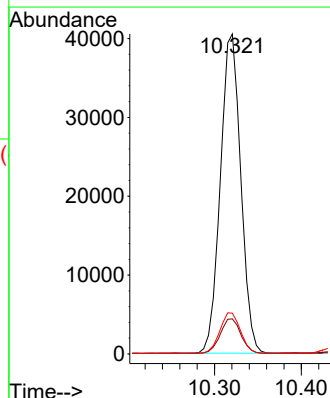
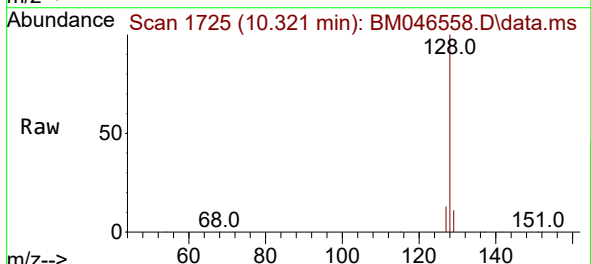
Instrument :
BNA_M
ClientSampleId :
A4CB7MS

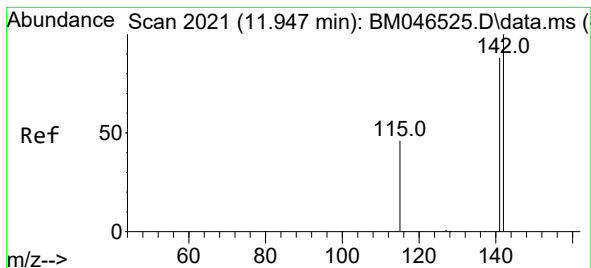
Tgt Ion: 88 Resp: 3030
Ion Ratio Lower Upper
88 100
43 49.3 70.2 105.4#
58 65.5 48.2 72.4



#5
Naphthalene
Concen: 2.474 ng/ul
RT: 10.321 min Scan# 1725
Delta R.T. -0.004 min
Lab File: BM046558.D
Acq: 12 Jul 2024 23:10

Tgt Ion: 128 Resp: 66164
Ion Ratio Lower Upper
128 100
129 10.9 10.3 15.5
127 12.7 12.2 18.4

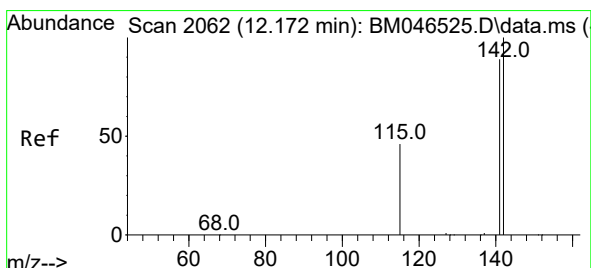
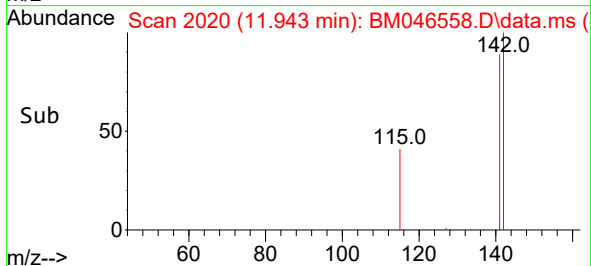
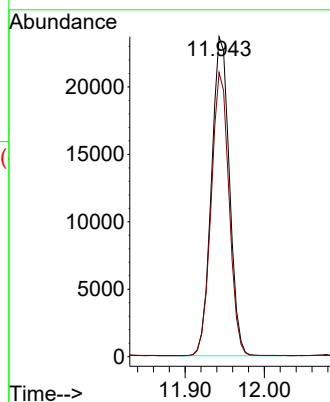
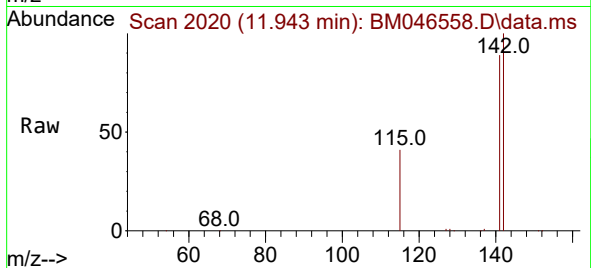




#7
2-Methylnaphthalene
Concen: 1.977 ng/ul
RT: 11.943 min Scan# 20
Delta R.T. -0.004 min
Lab File: BM046558.D
Acq: 12 Jul 2024 23:10

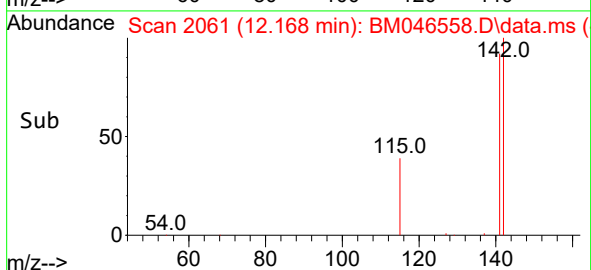
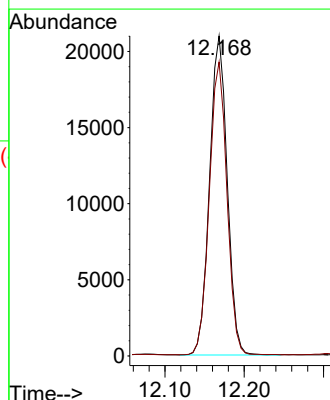
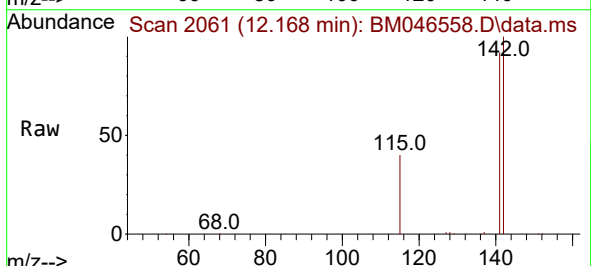
Instrument :
BNA_M
ClientSampleId :
A4CB7MS

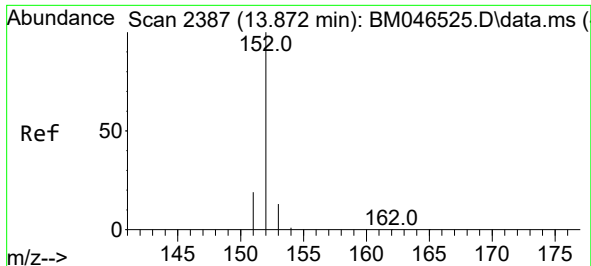
Tgt Ion:142 Resp: 37144
Ion Ratio Lower Upper
142 100
141 88.2 70.3 105.5



#8
1-Methylnaphthalene
Concen: 1.688 ng/ul
RT: 12.168 min Scan# 2061
Delta R.T. -0.004 min
Lab File: BM046558.D
Acq: 12 Jul 2024 23:10

Tgt Ion:142 Resp: 32359
Ion Ratio Lower Upper
142 100
141 91.6 73.9 110.9

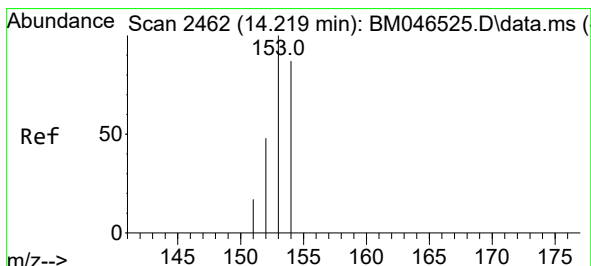
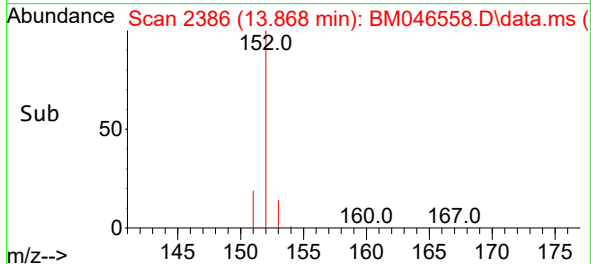
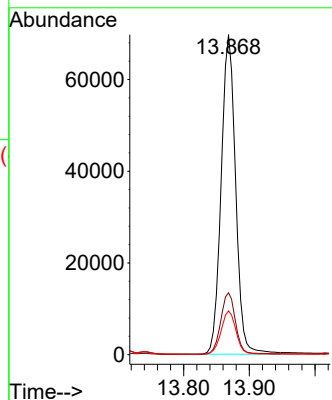
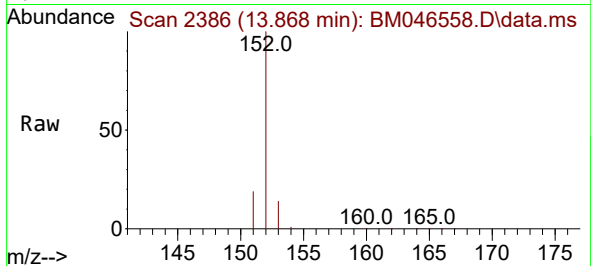




#10
Acenaphthylene
Concen: 3.265 ng/ul
RT: 13.868 min Scan# 21
Delta R.T. -0.003 min
Lab File: BM046558.D
Acq: 12 Jul 2024 23:10

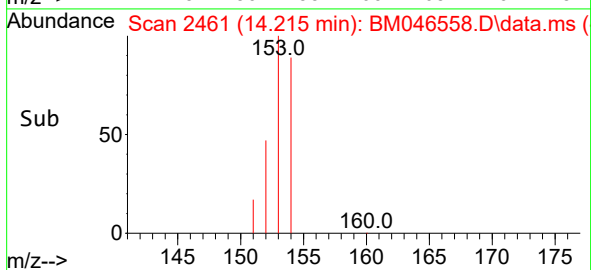
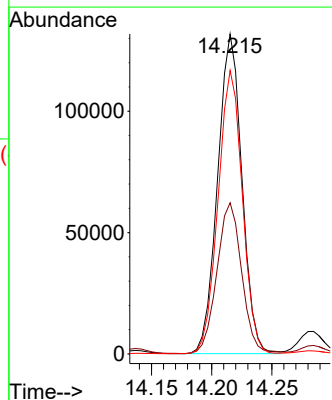
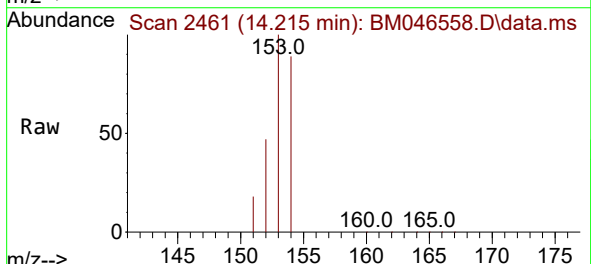
Instrument :
BNA_M
ClientSampleId :
A4CB7MS

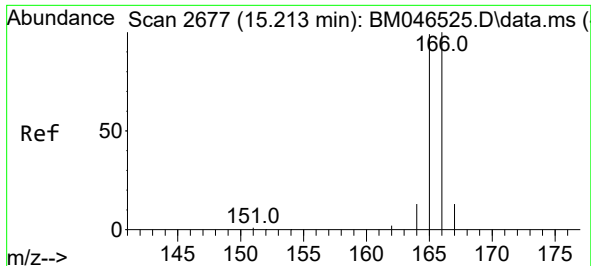
Tgt Ion:152 Resp: 106563
Ion Ratio Lower Upper
152 100
151 19.4 16.4 24.6
153 13.7 12.4 18.6



#11
Acenaphthene
Concen: 8.461 ng/ul
RT: 14.215 min Scan# 2461
Delta R.T. -0.003 min
Lab File: BM046558.D
Acq: 12 Jul 2024 23:10

Tgt Ion:153 Resp: 185017
Ion Ratio Lower Upper
153 100
152 47.3 43.0 64.6
154 88.6 69.9 104.9

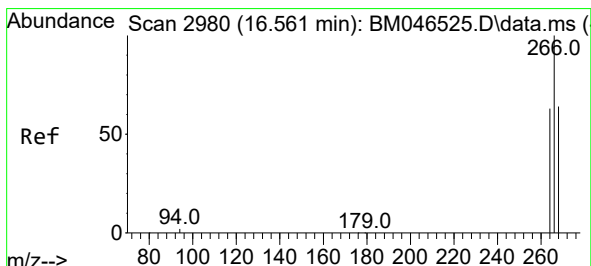
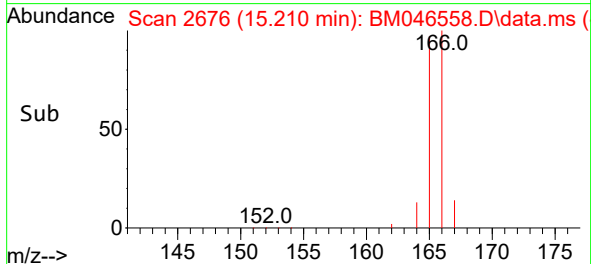
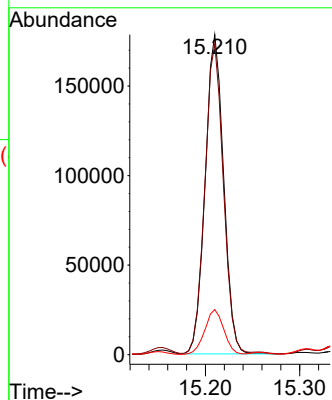
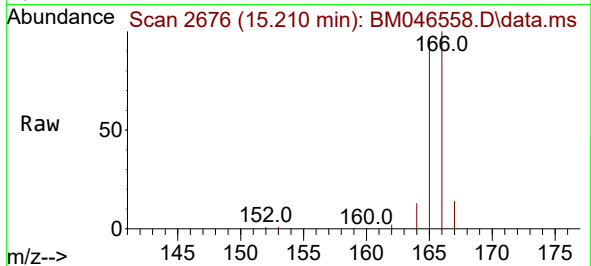




#12
Fluorene
Concen: 8.964 ng/ul
RT: 15.210 min Scan# 21
Delta R.T. -0.003 min
Lab File: BM046558.D
Acq: 12 Jul 2024 23:10

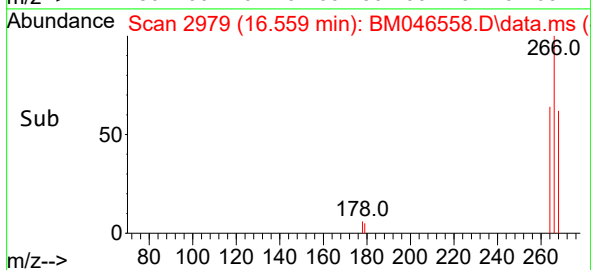
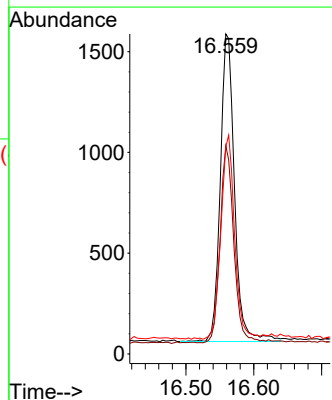
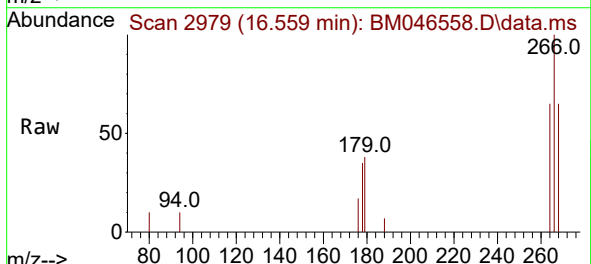
Instrument :
BNA_M
ClientSampleId :
A4CB7MS

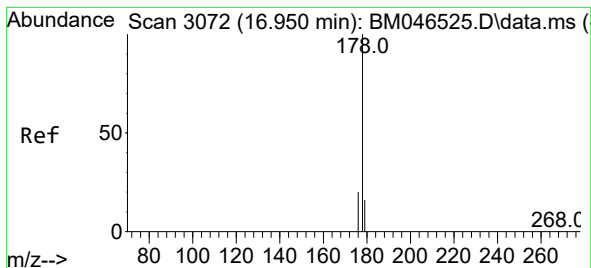
Tgt Ion:166 Resp: 242556
Ion Ratio Lower Upper
166 100
165 97.1 76.1 114.1
167 14.1 12.5 18.7



#14
Pentachlorophenol
Concen: 0.298 ng/ul
RT: 16.559 min Scan# 2979
Delta R.T. -0.003 min
Lab File: BM046558.D
Acq: 12 Jul 2024 23:10

Tgt Ion:266 Resp: 2214
Ion Ratio Lower Upper
266 100
264 62.5 50.1 75.1
268 64.4 52.5 78.7





#15

Phenanthrene

Concen: 73.685 ng/ul

RT: 16.951 min Scan# 3072

Delta R.T. 0.001 min

Lab File: BM046558.D

Acq: 12 Jul 2024 23:10

Instrument :

BNA_M

ClientSampleId :

A4CB7MS

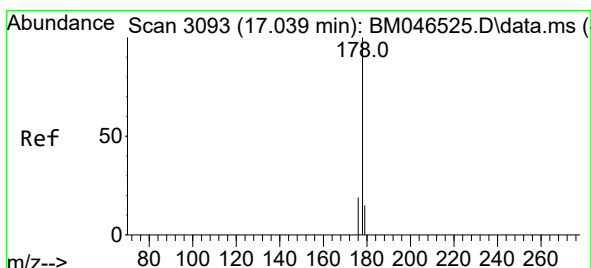
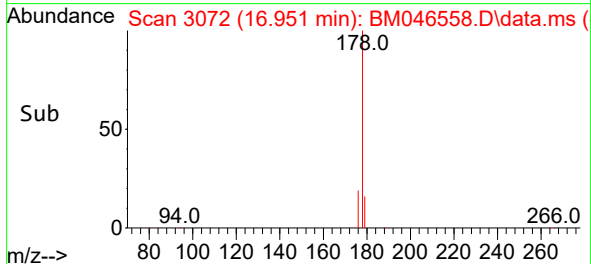
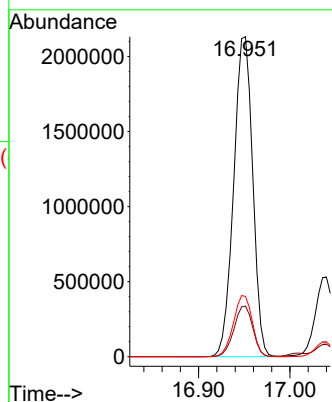
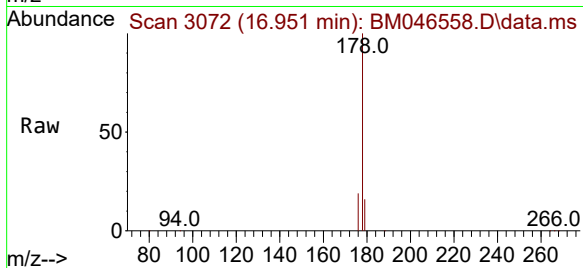
Tgt Ion:178 Resp: 3083200

Ion Ratio Lower Upper

178 100

179 15.8 13.1 19.7

176 18.8 16.0 24.0



#16

Anthracene

Concen: 17.792 ng/ul

RT: 17.040 min Scan# 3093

Delta R.T. 0.001 min

Lab File: BM046558.D

Acq: 12 Jul 2024 23:10

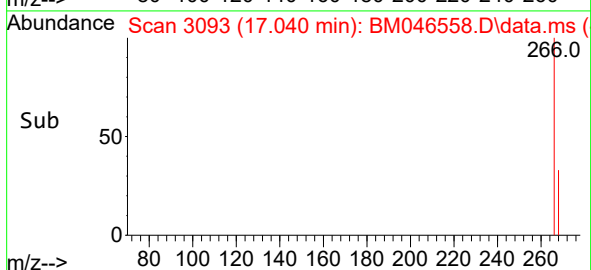
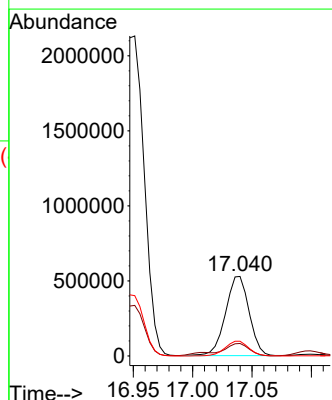
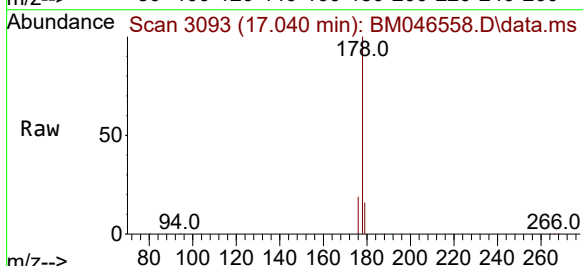
Tgt Ion:178 Resp: 726494

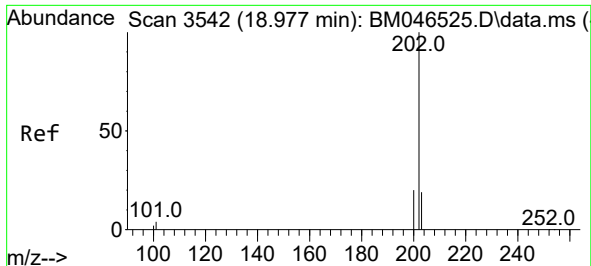
Ion Ratio Lower Upper

178 100

179 15.6 13.5 20.3

176 18.6 15.7 23.5

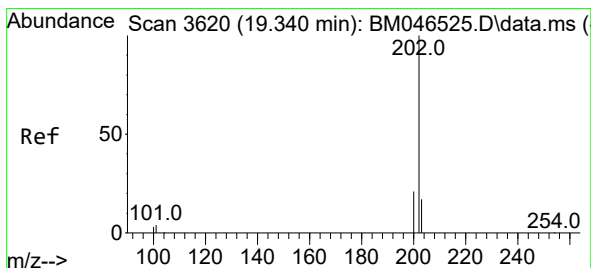
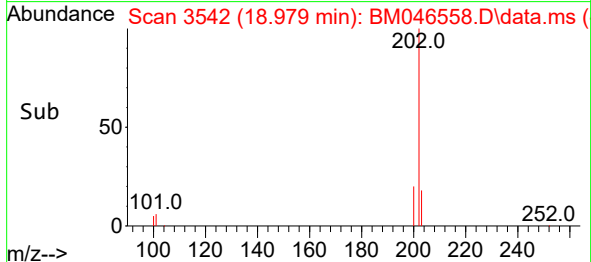
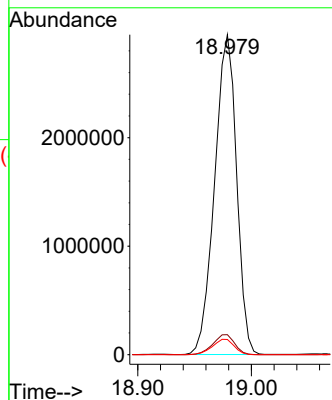
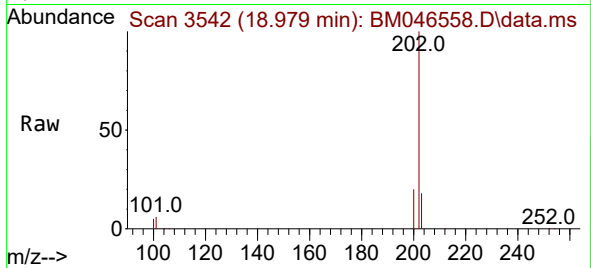




#19
Fluoranthene
Concen: 105.953 ng/ul
RT: 18.979 min Scan# 3542
Delta R.T. 0.001 min
Lab File: BM046558.D
Acq: 12 Jul 2024 23:10

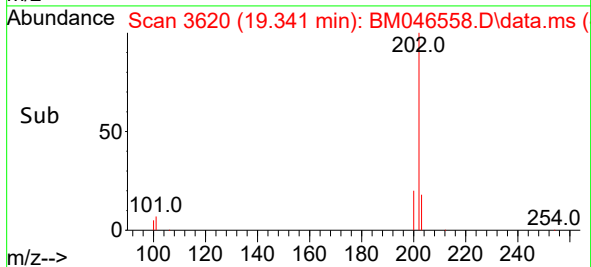
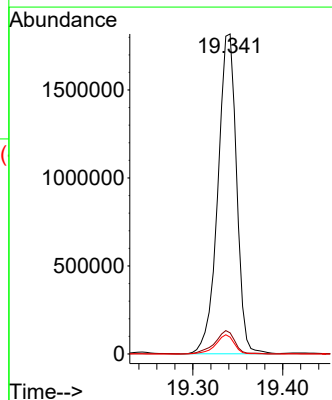
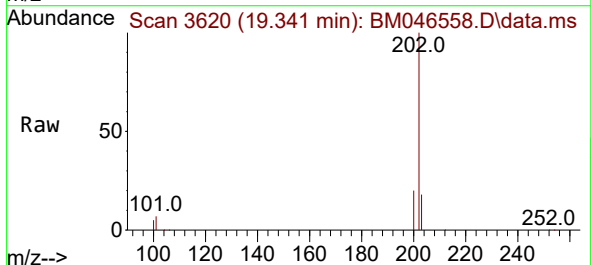
Instrument :
BNA_M
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A4CB7MS

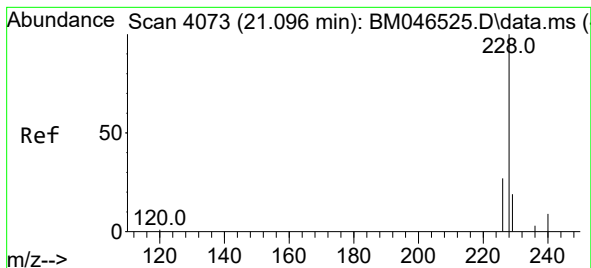
Tgt Ion:202 Resp: 3958156
Ion Ratio Lower Upper
202 100
101 6.3 4.6 6.8
100 4.8 3.0 4.6#



#20
Pyrene
Concen: 64.818 ng/ul
RT: 19.341 min Scan# 3620
Delta R.T. 0.001 min
Lab File: BM046558.D
Acq: 12 Jul 2024 23:10

Tgt Ion:202 Resp: 2621664
Ion Ratio Lower Upper
202 100
101 6.6 5.1 7.7
100 5.3 3.8 5.6





#21

Benzo(a)anthracene

Concen: 35.954 ng/ul

RT: 21.093 min Scan# 4073

Delta R.T. -0.003 min

Lab File: BM046558.D

Acq: 12 Jul 2024 23:10

Instrument :

BNA_M

ClientSampleId :

A4CB7MS

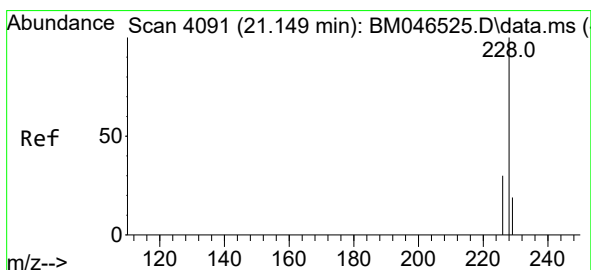
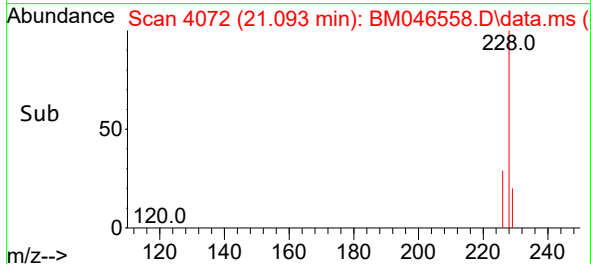
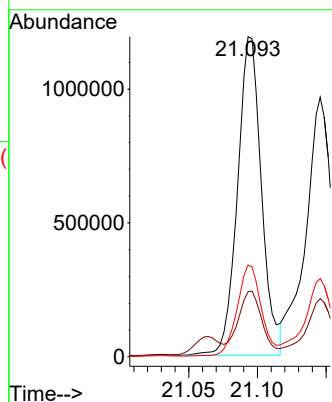
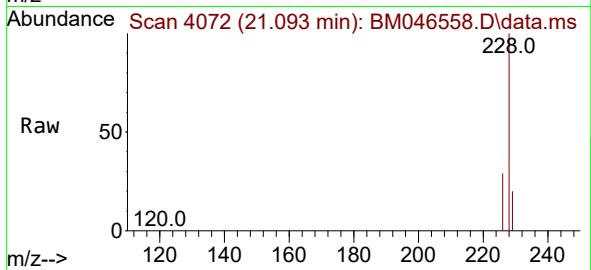
Tgt Ion:228 Resp: 1446625

Ion Ratio Lower Upper

228 100

229 20.3 16.5 24.7

226 28.7 22.5 33.7



#22

Chrysene

Concen: 33.264 ng/ul

RT: 21.146 min Scan# 4090

Delta R.T. -0.003 min

Lab File: BM046558.D

Acq: 12 Jul 2024 23:10

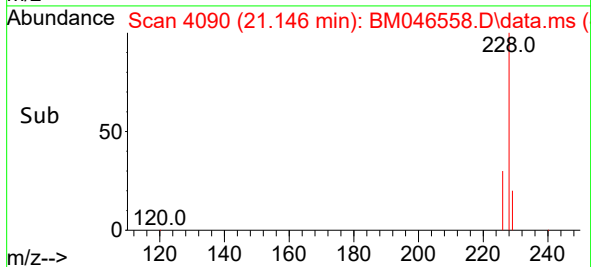
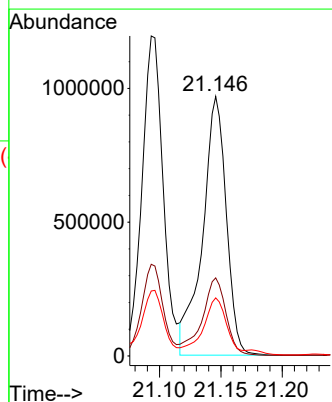
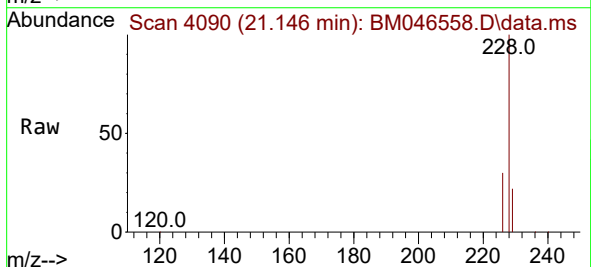
Tgt Ion:228 Resp: 1294998

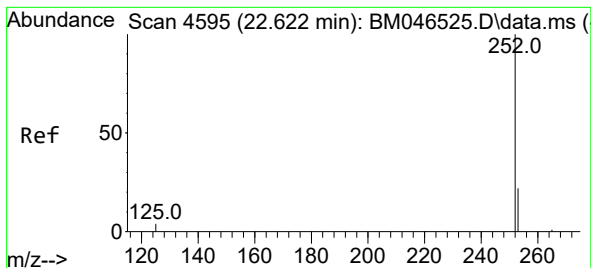
Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

229 22.4 16.4 24.6





#24

Benzo(b)fluoranthene

Concen: 43.537 ng/ul

RT: 22.624 min Scan# 4

Delta R.T. 0.003 min

Lab File: BM046558.D

Acq: 12 Jul 2024 23:10

Instrument :

BNA_M

ClientSampleId :

A4CB7MS

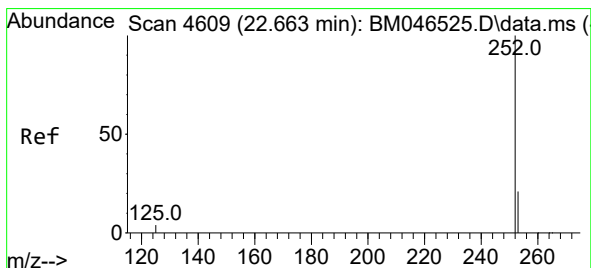
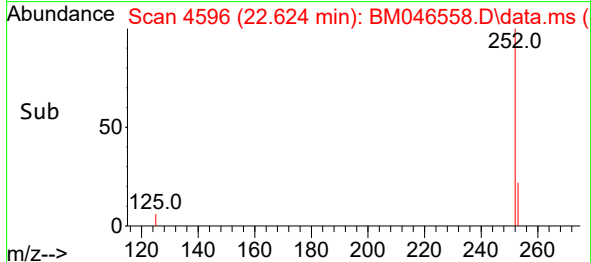
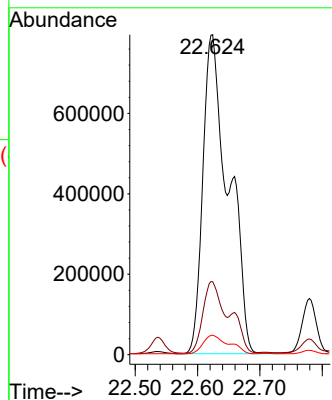
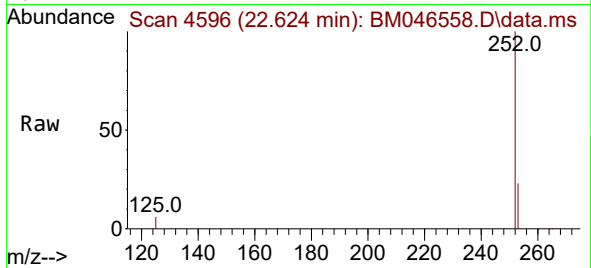
Tgt Ion:252 Resp: 2263446

Ion Ratio Lower Upper

252 100

253 22.8 0.0 56.2

125 6.1 0.0 17.8



#25

Benzo(k)fluoranthene

Concen: 3.722 ng/ul

RT: 22.779 min Scan# 4649

Delta R.T. 0.117 min

Lab File: BM046558.D

Acq: 12 Jul 2024 23:10

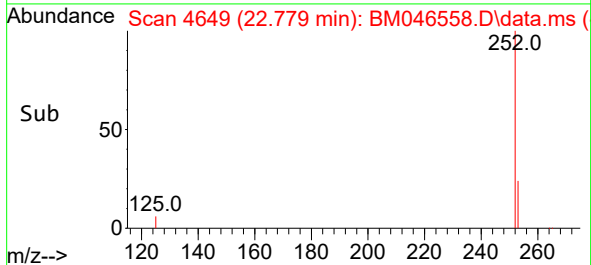
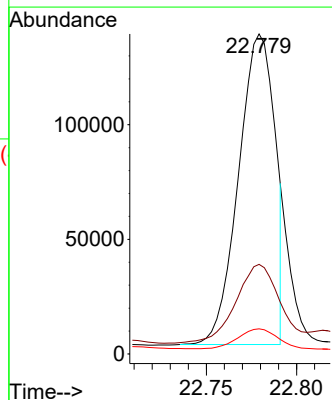
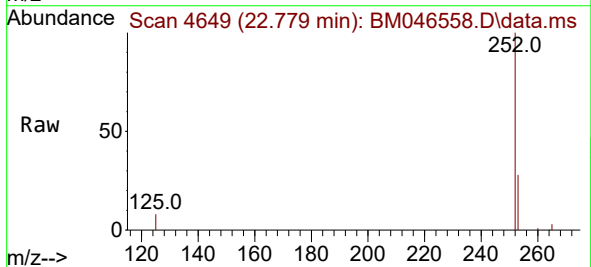
Tgt Ion:252 Resp: 189969

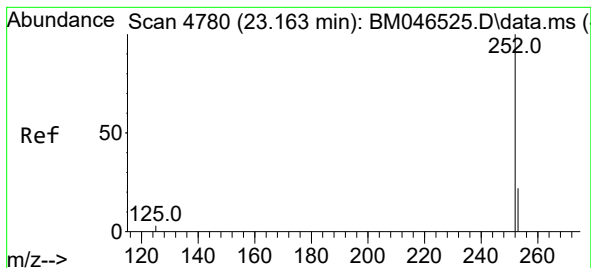
Ion Ratio Lower Upper

252 100

253 28.0 22.4 33.6

125 7.8 7.0 10.4

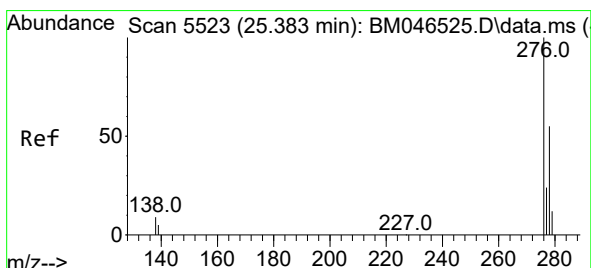
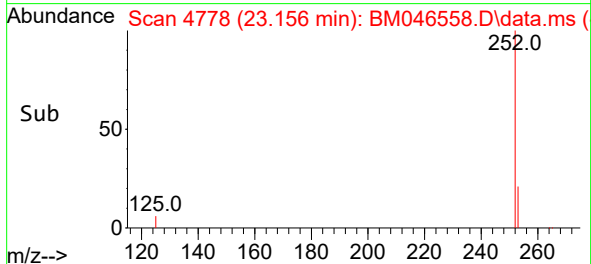
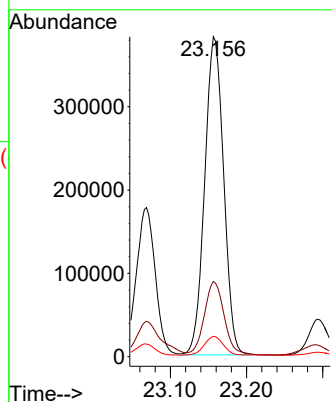
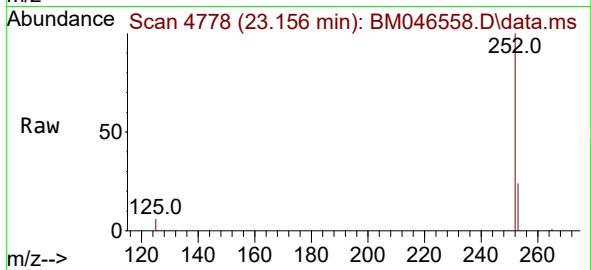




#26
Benzo(a)pyrene
Concen: 15.399 ng/ul
RT: 23.156 min Scan# 4778
Delta R.T. -0.006 min
Lab File: BM046558.D
Acq: 12 Jul 2024 23:10

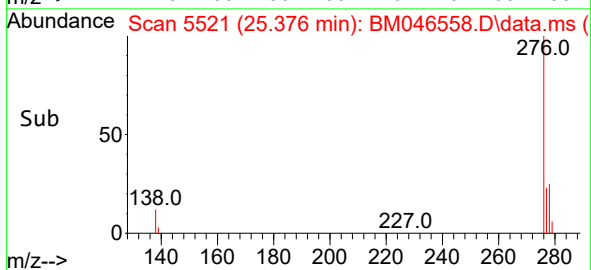
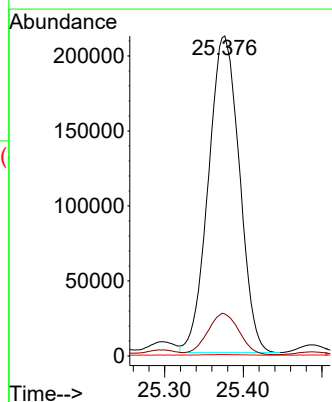
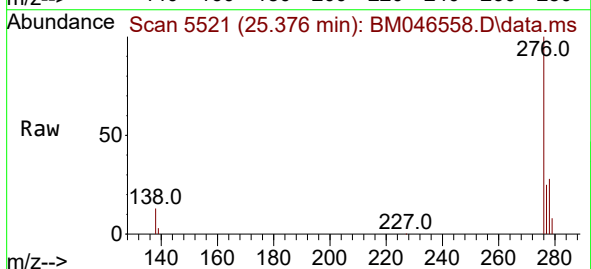
Instrument :
BNA_M
ClientSampleId :
A4CB7MS

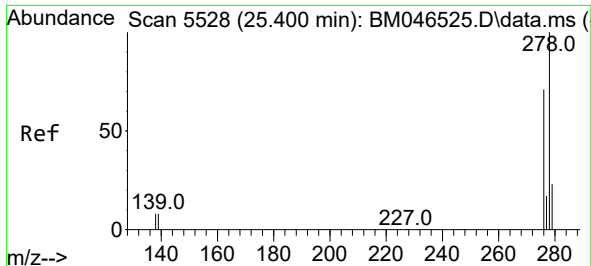
Tgt Ion:252 Resp: 658908
Ion Ratio Lower Upper
252 100
253 23.5 24.0 36.0#
125 6.4 8.2 12.2#



#27
Indeno(1,2,3-cd)pyrene
Concen: 8.894 ng/ul
RT: 25.376 min Scan# 5521
Delta R.T. -0.007 min
Lab File: BM046558.D
Acq: 12 Jul 2024 23:10

Tgt Ion:276 Resp: 579110
Ion Ratio Lower Upper
276 100
138 13.2 0.0 0.0#
227 0.3 0.2 0.2#

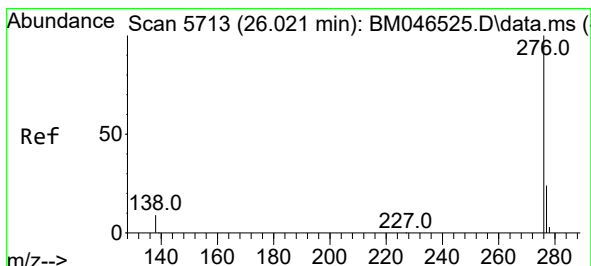
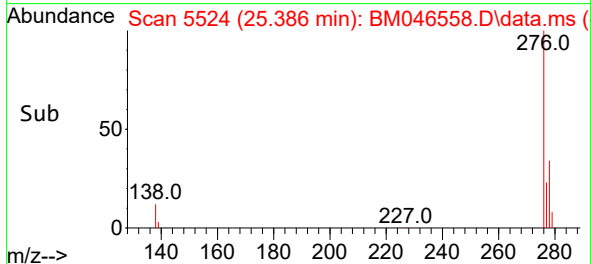
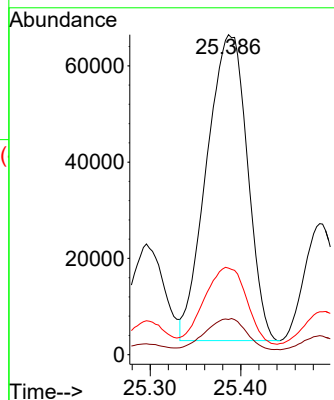
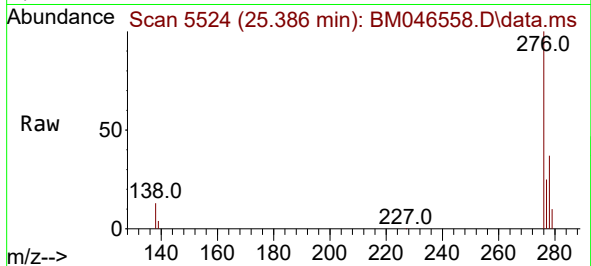




#28
Dibenzo(a,h)anthracene
Concen: 3.843 ng/ul
RT: 25.386 min Scan# 51
Delta R.T. -0.014 min
Lab File: BM046558.D
Acq: 12 Jul 2024 23:10

Instrument :
BNA_M
ClientSampleId :
A4CB7MS

Tgt Ion:278 Resp: 198083
Ion Ratio Lower Upper
278 100
139 11.0 9.1 13.7
279 27.0 23.2 34.8



#29
Benzo(g,h,i)perylene
Concen: 1.654 ng/ul
RT: 26.017 min Scan# 5712
Delta R.T. -0.004 min
Lab File: BM046558.D
Acq: 12 Jul 2024 23:10

Tgt Ion:276 Resp: 85908
Ion Ratio Lower Upper
276 100
138 14.3 10.2 15.4
277 27.6 20.9 31.3

