

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092424\
 Data File : BM047615.D
 Acq On : 24 Sep 2024 17:54
 Operator : RC/JU
 Sample : SSTD0.489
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4010

Quant Time: Sep 25 02:50:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM092424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 02:35:09 2024
 Response via : Initial Calibration

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

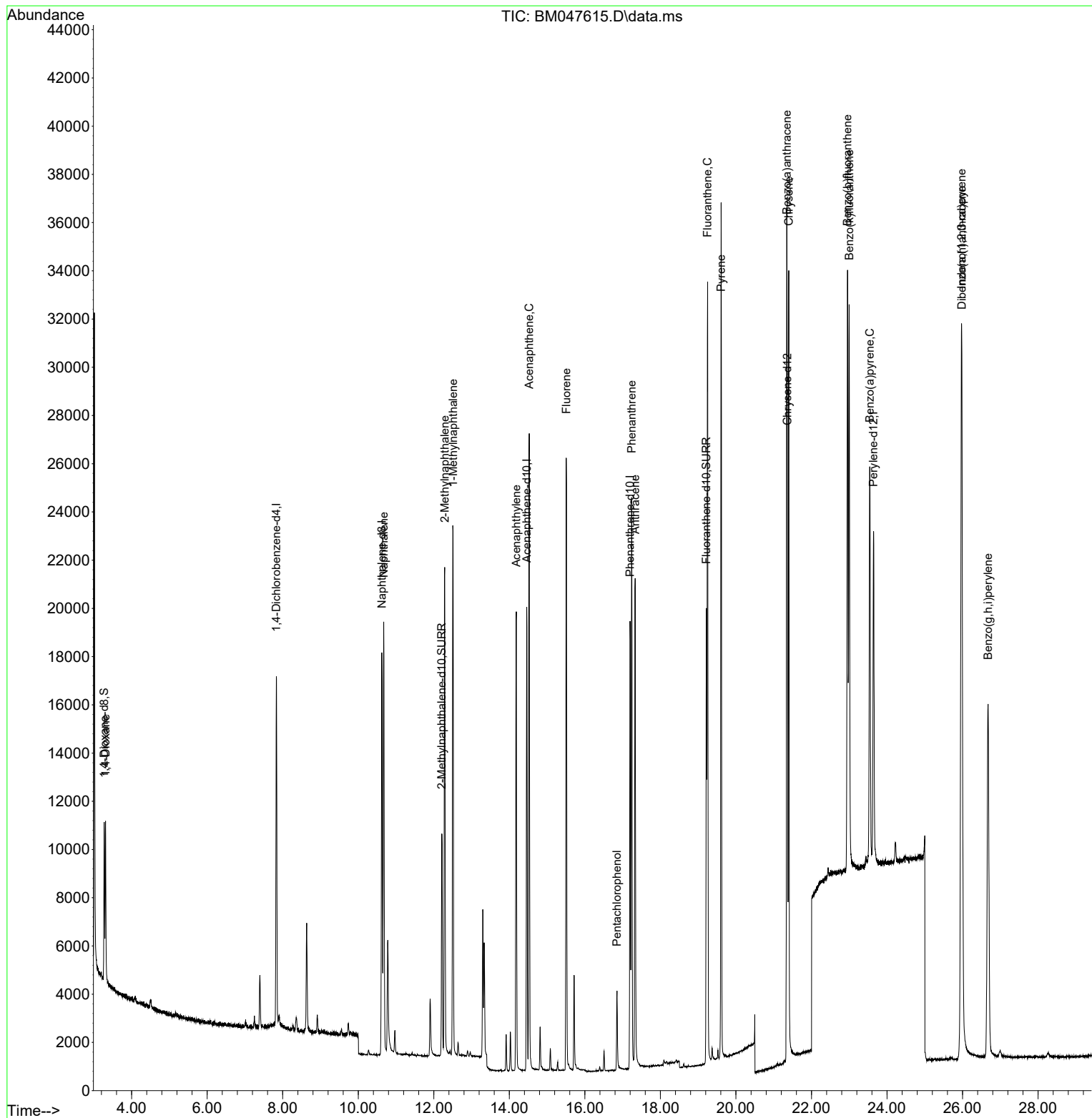
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.830	152	7574	0.400	ng/ul	0.00
4) Naphthalene-d8	10.623	136	22985	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.460	164	10768	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.196	188	22026	0.400	ng/ul	0.00
17) Chrysene-d12	21.362	240	18126	0.400	ng/ul	0.00
23) Perylene-d12	23.642	264	19359	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.273	96	4111	0.538	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.212	152	12468	0.363	ng/ul	0.00
18) Fluoranthene-d10	19.216	212	20829	0.398	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.307	88	4907	0.575	ng/ul	100
5) Naphthalene	10.672	128	24868	0.414	ng/ul	100
7) 2-Methylnaphthalene	12.289	142	14920	0.381	ng/ul	100
8) 1-Methylnaphthalene	12.509	142	15587	0.380	ng/ul	100
10) Acenaphthylene	14.183	152	21725	0.435	ng/ul	100
11) Acenaphthene	14.525	153	15106	0.444	ng/ul	100
12) Fluorene	15.506	166	16585	0.419	ng/ul	100
14) Pentachlorophenol	16.850	266	2414	0.344	ng/ul	100
15) Phenanthrene	17.238	178	25620	0.404	ng/ul	100
16) Anthracene	17.331	178	22753	0.402	ng/ul	100
19) Fluoranthene	19.248	202	28007	0.381	ng/ul	100
20) Pyrene	19.606	202	29827	0.388	ng/ul	100
21) Benzo(a)anthracene	21.344	228	26699	0.401	ng/ul	100
22) Chrysene	21.397	228	28140	0.398	ng/ul	100
24) Benzo(b)fluoranthene	22.955	252	31373	0.408	ng/ul	100
25) Benzo(k)fluoranthene	22.998	252	31750	0.395	ng/ul	100
26) Benzo(a)pyrene	23.542	252	24593	0.405	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	25.970	276	39027	0.423	ng/ul	100
28) Dibenzo(a,h)anthracene	25.980	278	29985	0.418	ng/ul	100
29) Benzo(g,h,i)perylene	26.674	276	31601	0.413	ng/ul	100

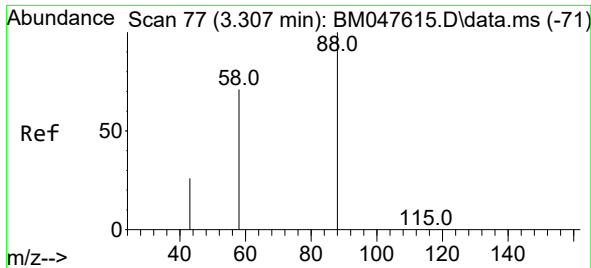
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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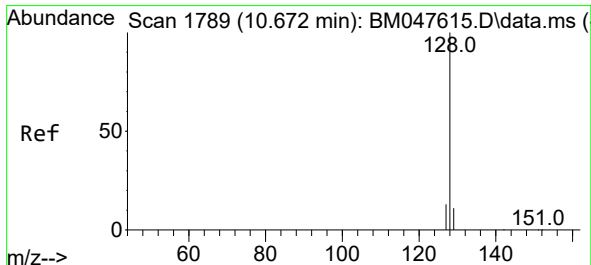
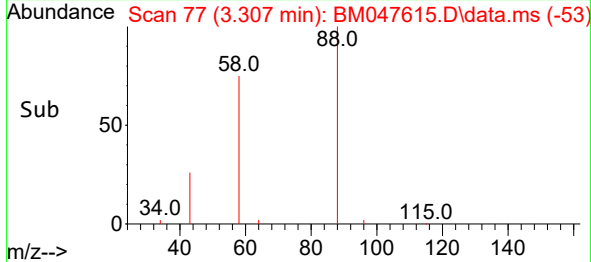
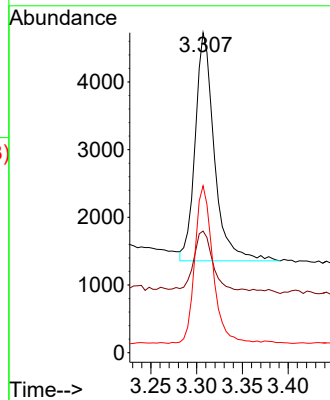
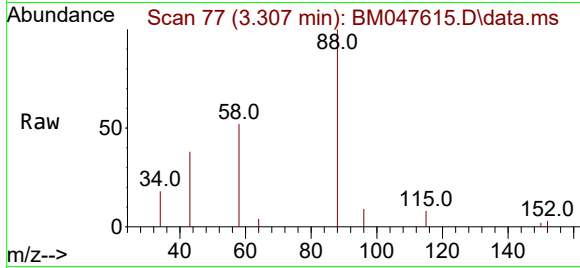




#2
1,4-Dioxane
Concen: 0.575 ng/ul
RT: 3.307 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM047615.D
Acq: 24 Sep 2024 17:54

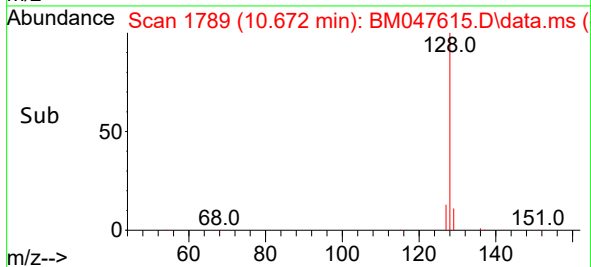
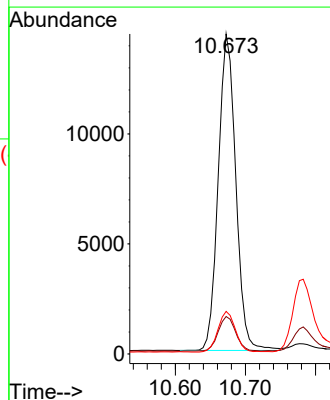
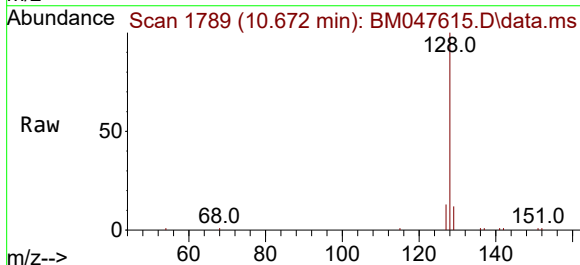
Instrument :
BNA_M
ClientSampleId :
SSTD0.4010

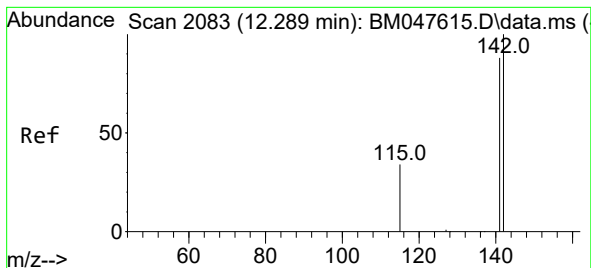
Tgt Ion: 88 Resp: 4907
Ion Ratio Lower Upper
88 100
43 38.0 30.4 45.6
58 52.1 41.7 62.5



#5
Naphthalene
Concen: 0.414 ng/ul
RT: 10.672 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BM047615.D
Acq: 24 Sep 2024 17:54

Tgt Ion: 128 Resp: 24868
Ion Ratio Lower Upper
128 100
129 11.7 9.4 14.0
127 13.3 10.6 16.0

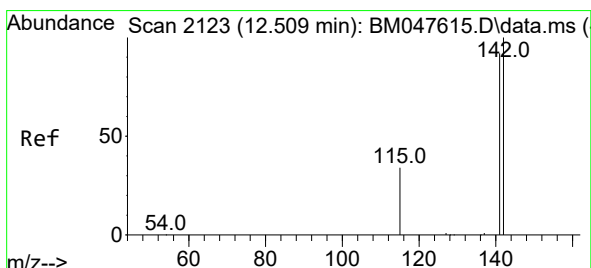
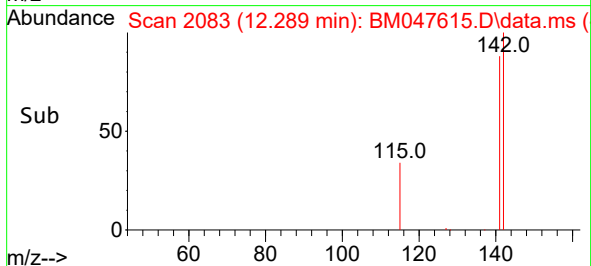
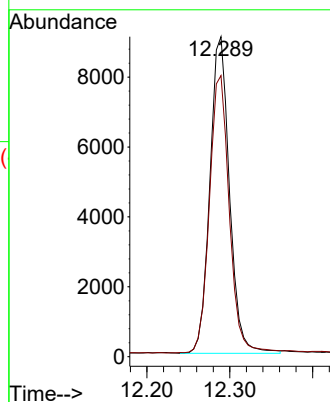
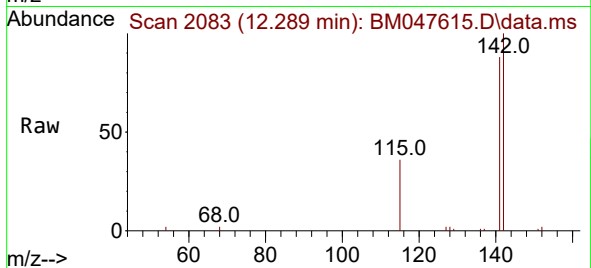




#7
2-Methylnaphthalene
Concen: 0.381 ng/ul
RT: 12.289 min Scan# 2083
Delta R.T. 0.000 min
Lab File: BM047615.D
Acq: 24 Sep 2024 17:54

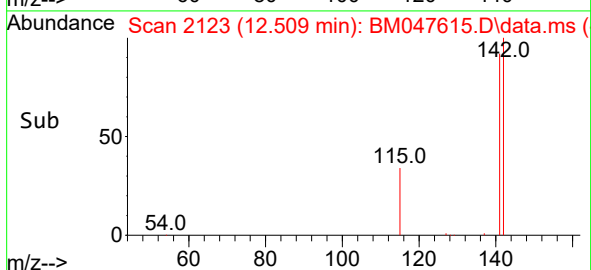
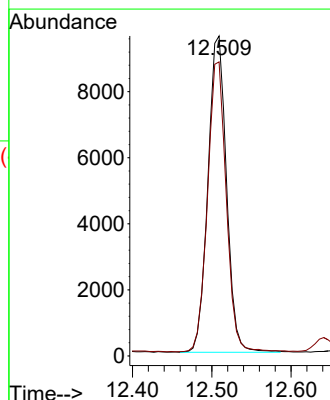
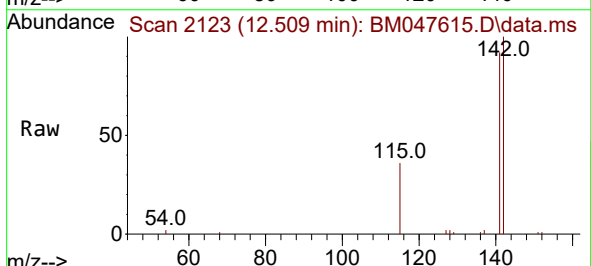
Instrument :
BNA_M
ClientSampleId :
SSTD0.4010

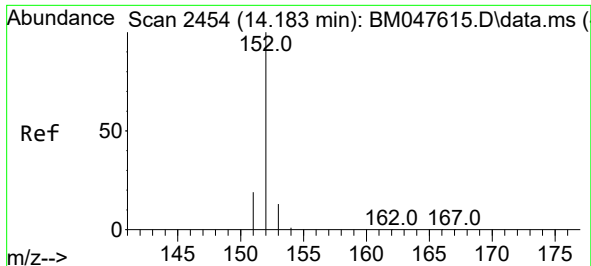
Tgt Ion:142 Resp: 14920
Ion Ratio Lower Upper
142 100
141 89.1 71.3 106.9



#8
1-Methylnaphthalene
Concen: 0.380 ng/ul
RT: 12.509 min Scan# 2123
Delta R.T. 0.000 min
Lab File: BM047615.D
Acq: 24 Sep 2024 17:54

Tgt Ion:142 Resp: 15587
Ion Ratio Lower Upper
142 100
141 92.4 73.9 110.9

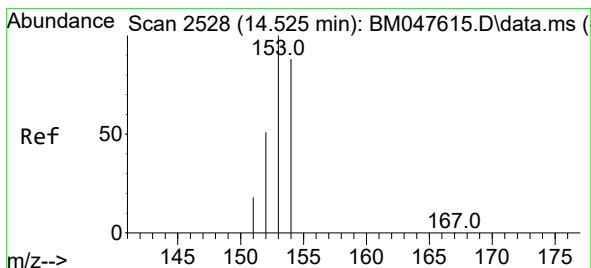
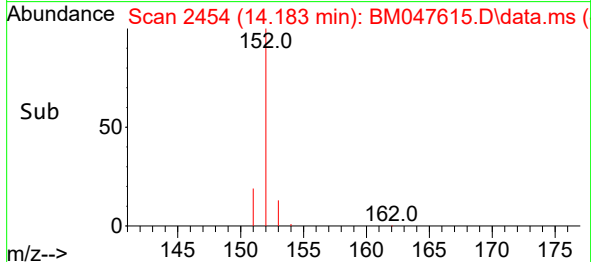
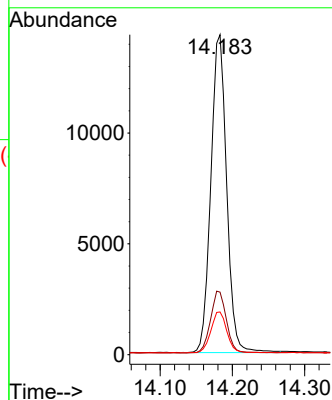
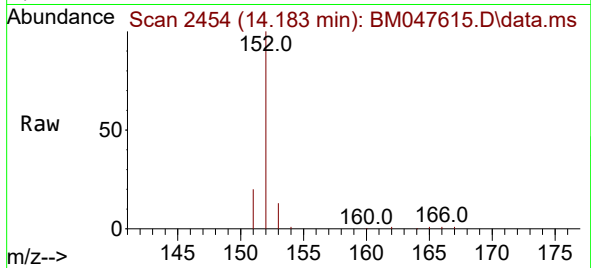




#10
Acenaphthylene
Concen: 0.435 ng/ul
RT: 14.183 min Scan# 2454
Delta R.T. 0.000 min
Lab File: BM047615.D
Acq: 24 Sep 2024 17:54

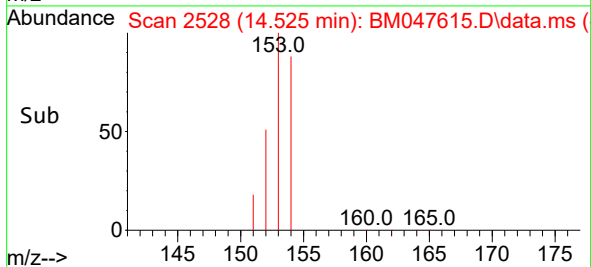
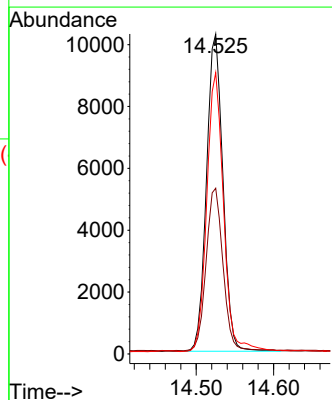
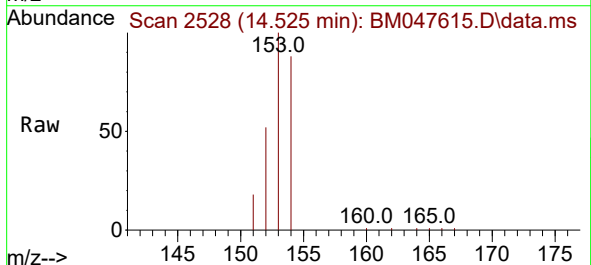
Instrument :
BNA_M
ClientSampleId :
SSTD0.4010

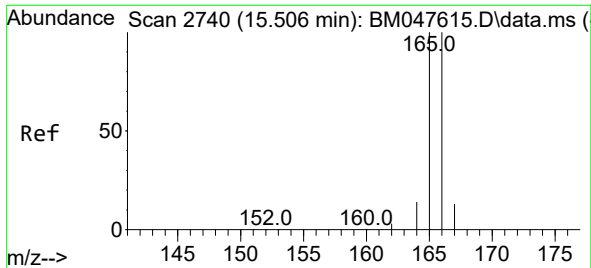
Tgt Ion:	152	Resp:	21725
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.6	23.4
153	13.4	10.7	16.1



#11
Acenaphthene
Concen: 0.444 ng/ul
RT: 14.525 min Scan# 2528
Delta R.T. 0.000 min
Lab File: BM047615.D
Acq: 24 Sep 2024 17:54

Tgt Ion:	153	Resp:	15106
Ion Ratio	Lower	Upper	
153	100		
152	51.8	41.4	62.2
154	87.9	70.3	105.5

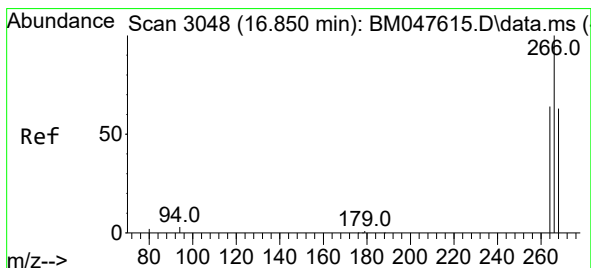
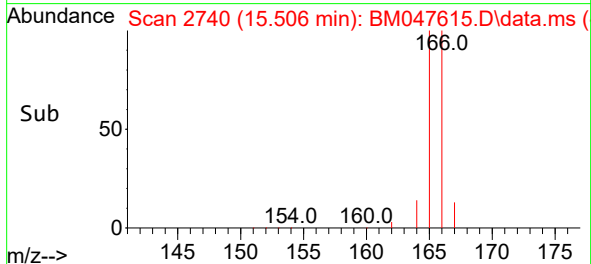
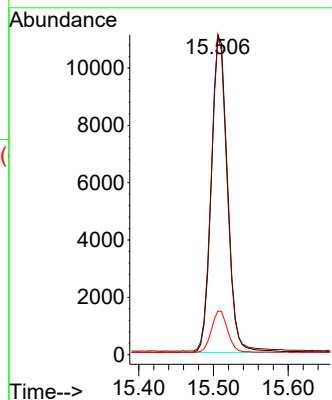
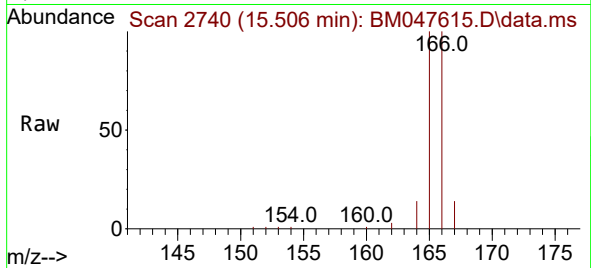




#12
Fluorene
Concen: 0.419 ng/ul
RT: 15.506 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM047615.D
Acq: 24 Sep 2024 17:54

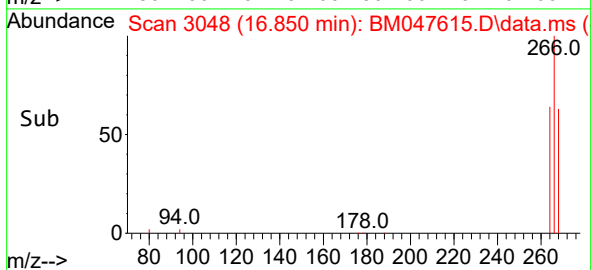
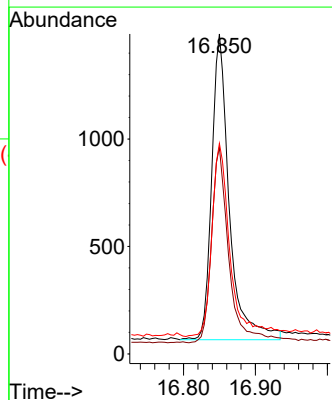
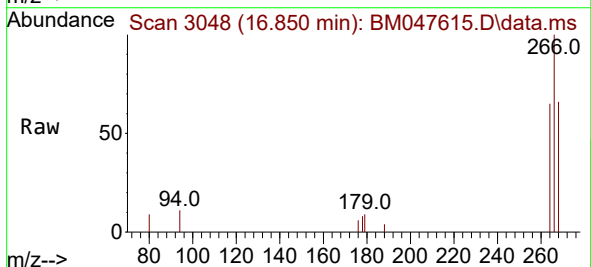
Instrument :
BNA_M
ClientSampleId :
SSTD0.4010

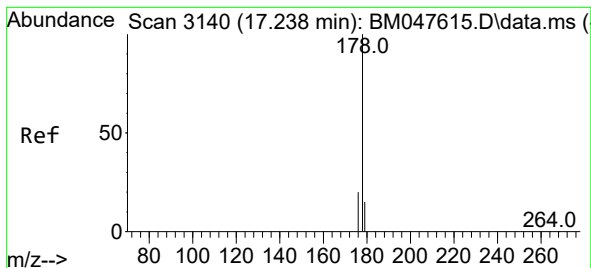
Tgt Ion:166 Resp: 16585
Ion Ratio Lower Upper
166 100
165 100.3 80.2 120.4
167 13.7 11.0 16.4



#14
Pentachlorophenol
Concen: 0.344 ng/ul
RT: 16.850 min Scan# 3048
Delta R.T. 0.000 min
Lab File: BM047615.D
Acq: 24 Sep 2024 17:54

Tgt Ion:266 Resp: 2414
Ion Ratio Lower Upper
266 100
264 62.9 50.3 75.5
268 65.3 52.2 78.4





#15

Phenanthrene

Concen: 0.404 ng/u1

RT: 17.238 min Scan# 3140

Delta R.T. 0.000 min

Lab File: BM047615.D

Acq: 24 Sep 2024 17:54

Instrument :

BNA_M

ClientSampleId :

SSTD0.4010

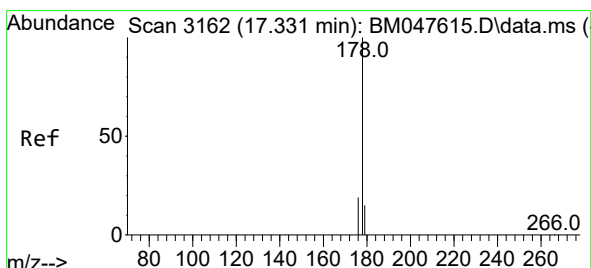
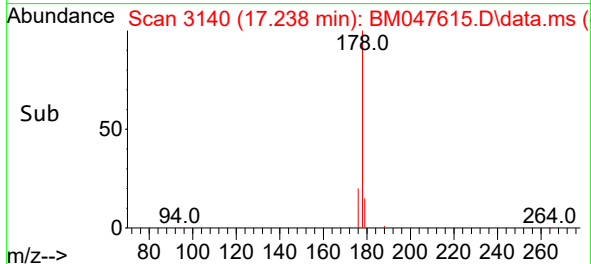
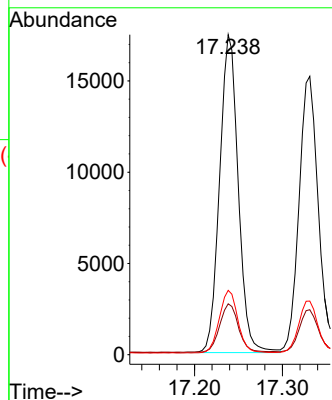
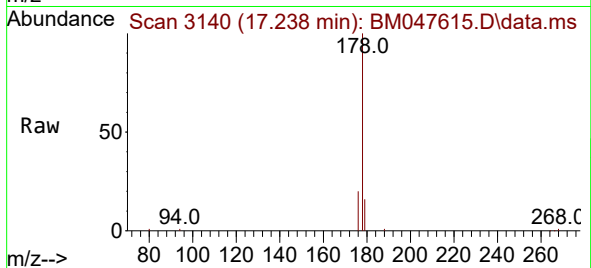
Tgt Ion:178 Resp: 25620

Ion Ratio Lower Upper

178 100

179 15.9 12.7 19.1

176 20.1 16.1 24.1



#16

Anthracene

Concen: 0.402 ng/u1

RT: 17.331 min Scan# 3162

Delta R.T. 0.000 min

Lab File: BM047615.D

Acq: 24 Sep 2024 17:54

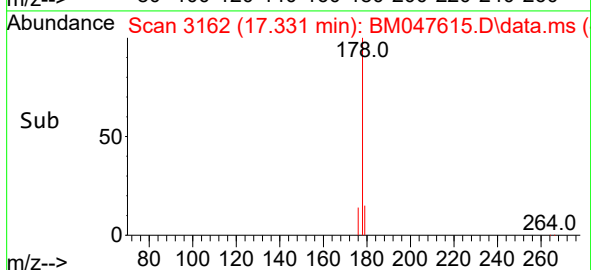
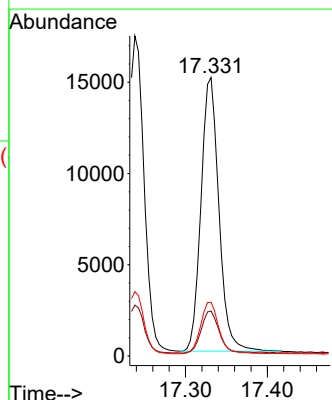
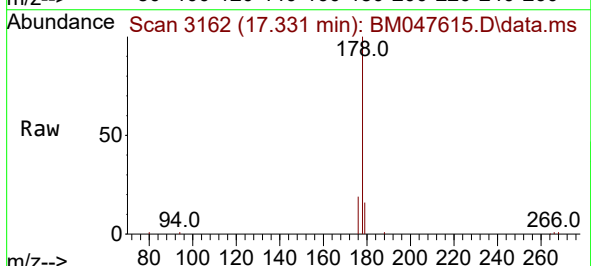
Tgt Ion:178 Resp: 22753

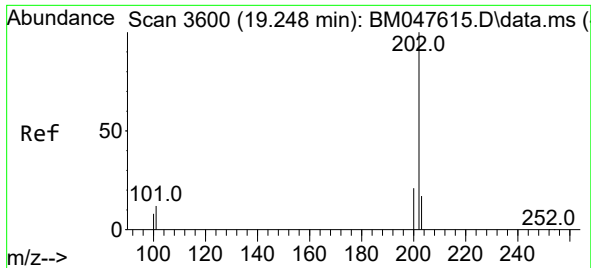
Ion Ratio Lower Upper

178 100

179 16.1 12.9 19.3

176 19.3 15.4 23.2

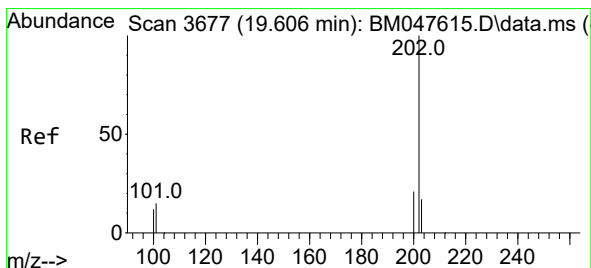
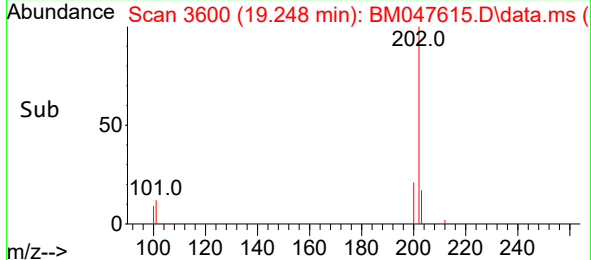
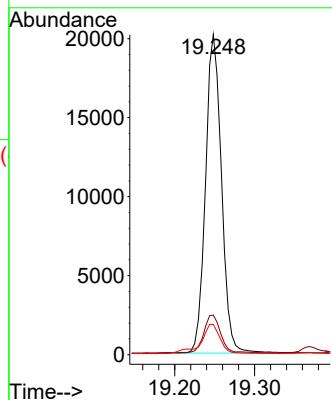
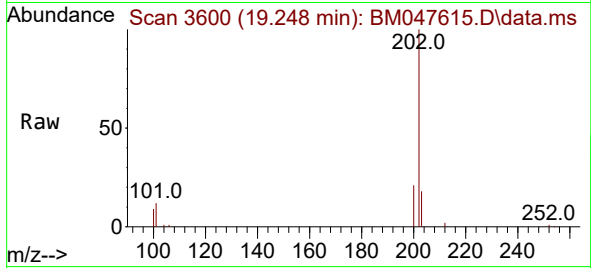




#19
Fluoranthene
Concen: 0.381 ng/ul
RT: 19.248 min Scan# 3600
Delta R.T. 0.000 min
Lab File: BM047615.D
Acq: 24 Sep 2024 17:54

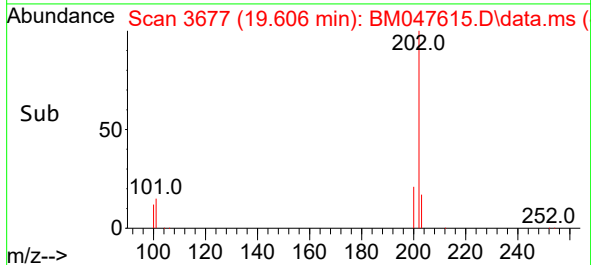
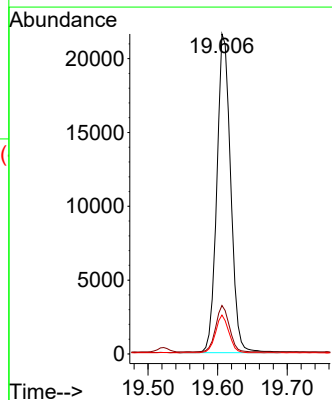
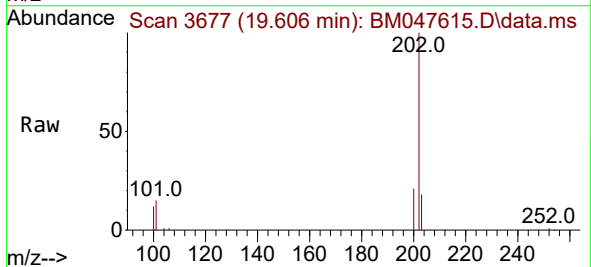
Instrument :
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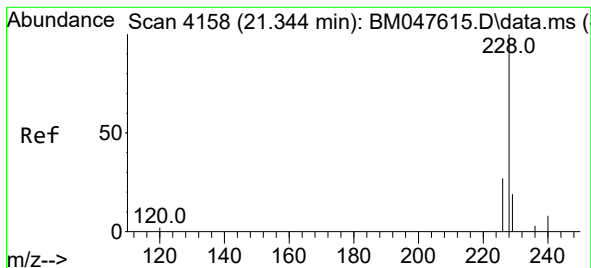
Tgt Ion:202 Resp: 28007
Ion Ratio Lower Upper
202 100
101 12.3 9.8 14.8
100 9.4 7.5 11.3



#20
Pyrene
Concen: 0.388 ng/ul
RT: 19.606 min Scan# 3677
Delta R.T. 0.000 min
Lab File: BM047615.D
Acq: 24 Sep 2024 17:54

Tgt Ion:202 Resp: 29827
Ion Ratio Lower Upper
202 100
101 15.1 12.1 18.1
100 12.1 9.7 14.5





#21

Benzo(a)anthracene

Concen: 0.401 ng/ul

RT: 21.344 min Scan# 4158

Delta R.T. 0.000 min

Lab File: BM047615.D

Acq: 24 Sep 2024 17:54

Instrument :

BNA_M

ClientSampleId :

SSTD0.4010

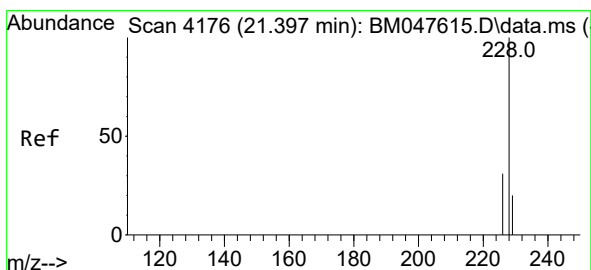
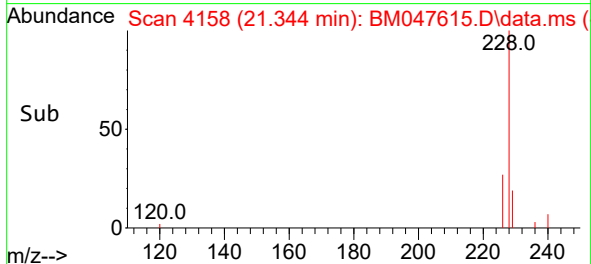
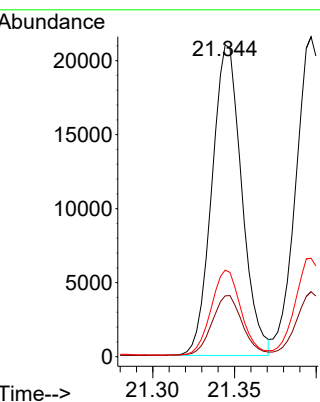
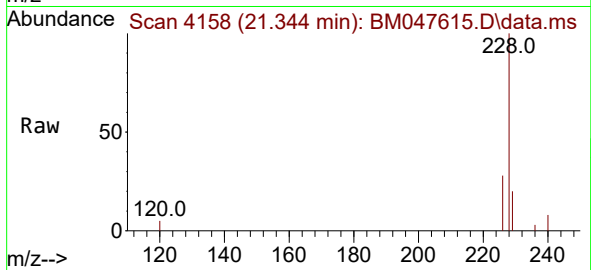
Tgt Ion:228 Resp: 26699

Ion Ratio Lower Upper

228 100

229 19.5 15.6 23.4

226 27.8 22.2 33.4



#22

Chrysene

Concen: 0.398 ng/ul

RT: 21.397 min Scan# 4176

Delta R.T. 0.000 min

Lab File: BM047615.D

Acq: 24 Sep 2024 17:54

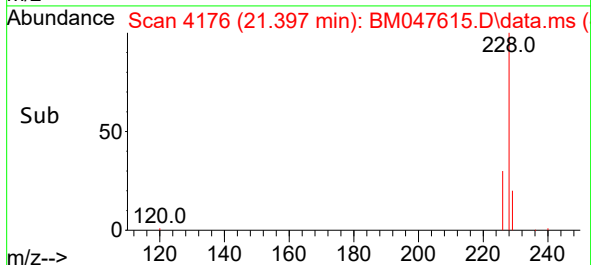
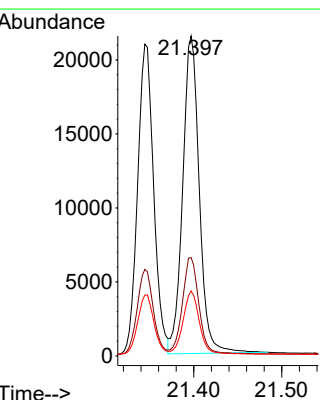
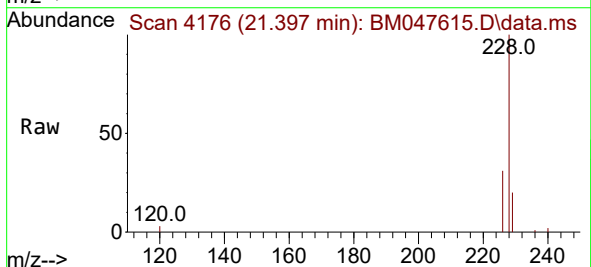
Tgt Ion:228 Resp: 28140

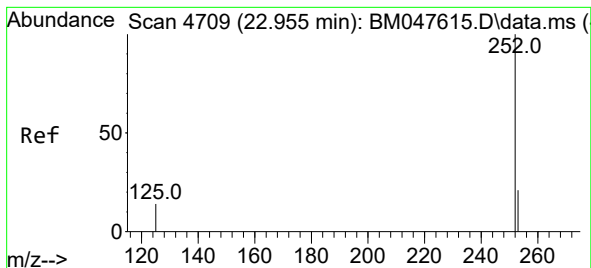
Ion Ratio Lower Upper

228 100

226 30.8 24.6 37.0

229 20.3 16.2 24.4





#24

Benzo(b)fluoranthene

Concen: 0.408 ng/ul

RT: 22.955 min Scan# 4709

Delta R.T. 0.000 min

Lab File: BM047615.D

Acq: 24 Sep 2024 17:54

Instrument :

BNA_M

ClientSampleId :

SSTD0.4010

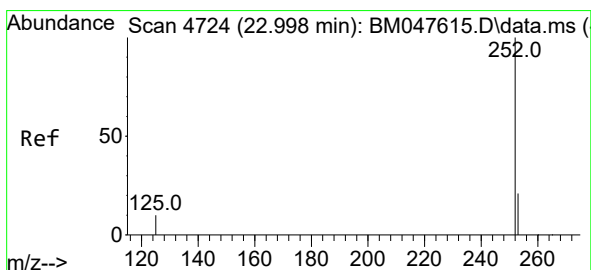
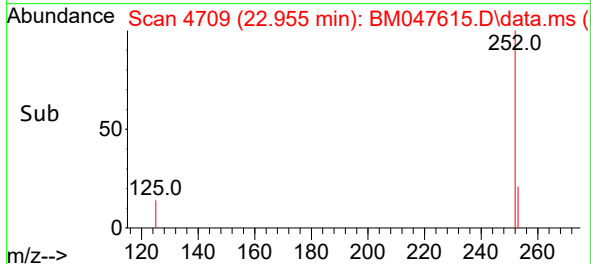
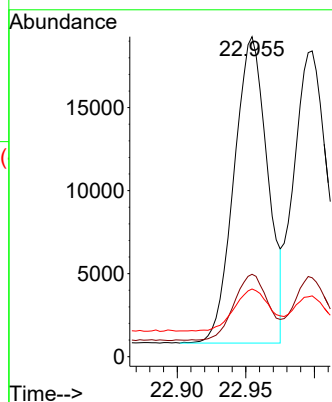
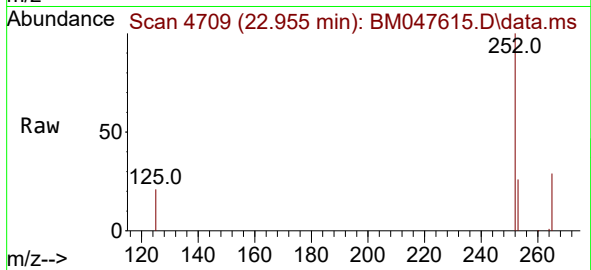
Tgt Ion:252 Resp: 31373

Ion Ratio Lower Upper

252 100

253 25.8 0.0 51.6

125 21.2 0.0 42.4



#25

Benzo(k)fluoranthene

Concen: 0.395 ng/ul

RT: 22.998 min Scan# 4724

Delta R.T. 0.000 min

Lab File: BM047615.D

Acq: 24 Sep 2024 17:54

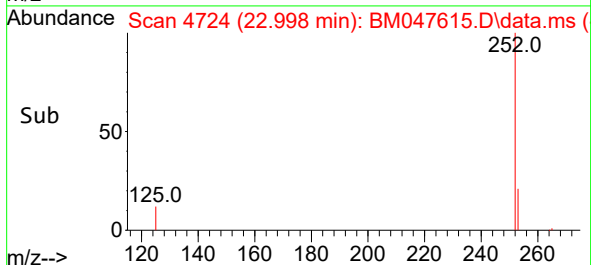
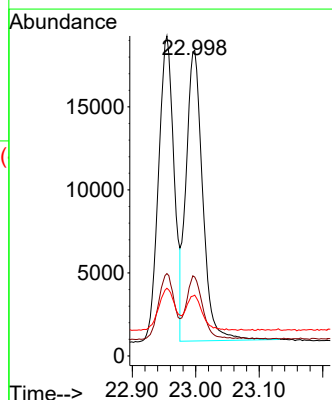
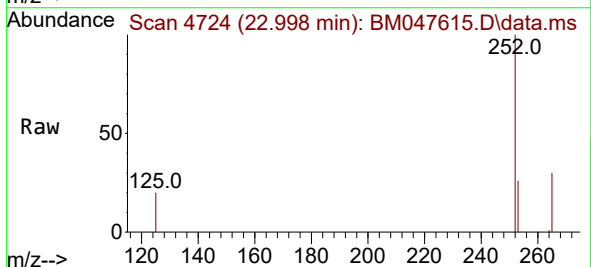
Tgt Ion:252 Resp: 31750

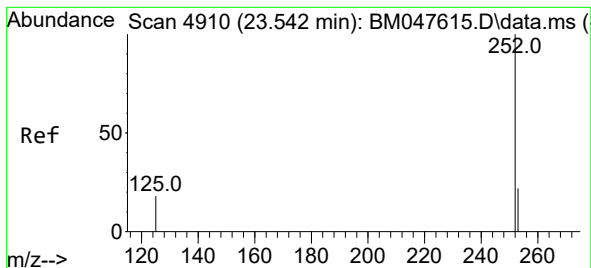
Ion Ratio Lower Upper

252 100

253 25.8 20.6 31.0

125 19.9 15.9 23.9





#26

Benzo(a)pyrene

Concen: 0.405 ng/ul

RT: 23.542 min Scan# 4910

Delta R.T. 0.000 min

Lab File: BM047615.D

Acq: 24 Sep 2024 17:54

Instrument :

BNA_M

ClientSampleId :

SSTD0.4010

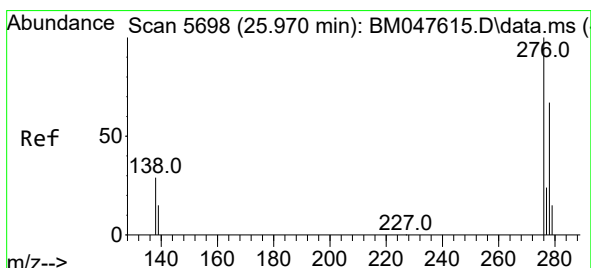
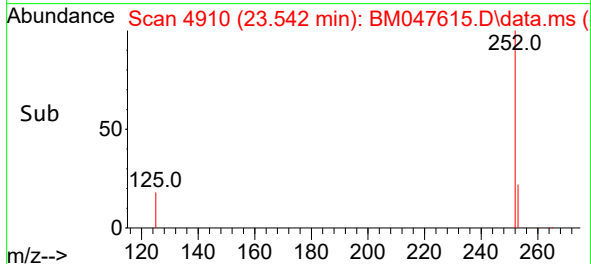
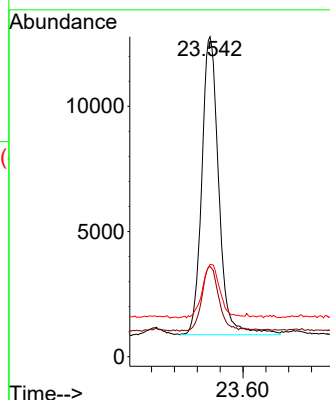
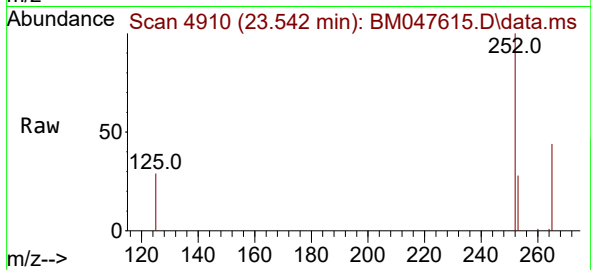
Tgt Ion:252 Resp: 24593

Ion Ratio Lower Upper

252 100

253 28.2 22.6 33.8

125 28.8 23.0 34.6



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.423 ng/ul

RT: 25.970 min Scan# 5698

Delta R.T. 0.000 min

Lab File: BM047615.D

Acq: 24 Sep 2024 17:54

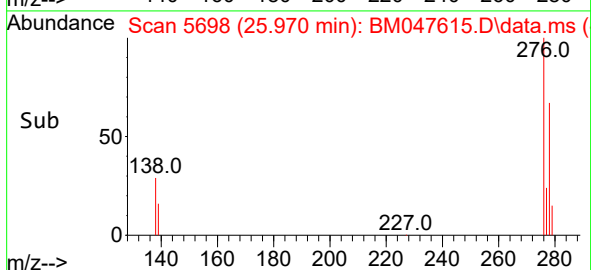
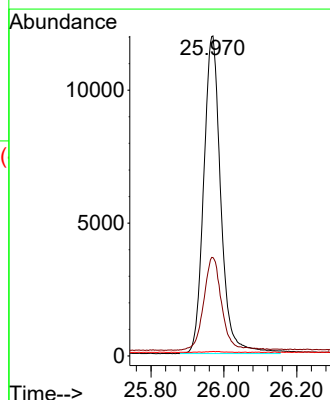
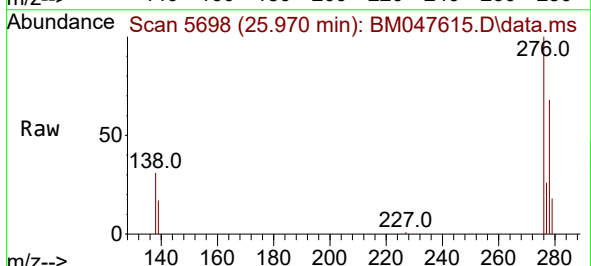
Tgt Ion:276 Resp: 39027

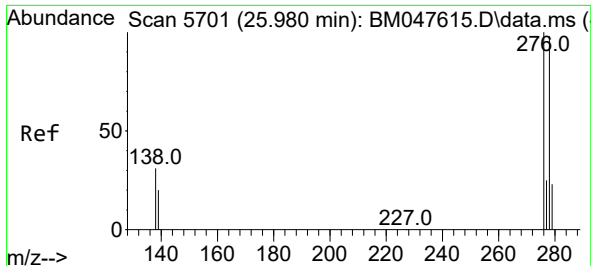
Ion Ratio Lower Upper

276 100

138 30.8 24.6 37.0

227 0.3 0.2 0.4

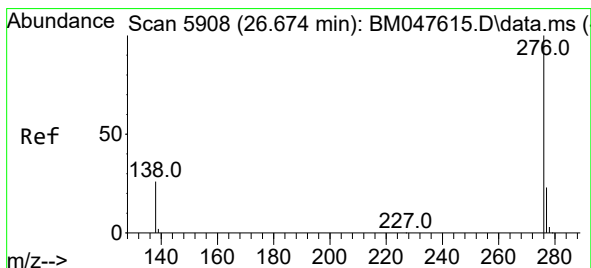
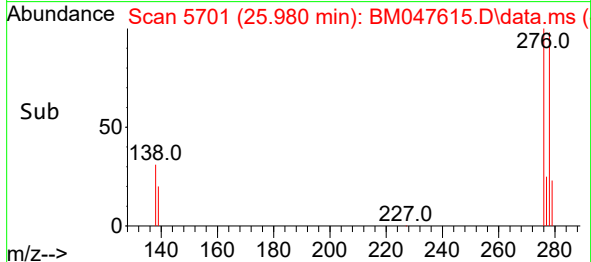
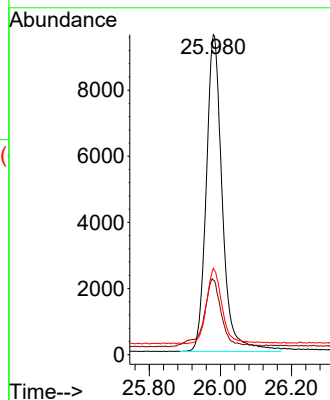
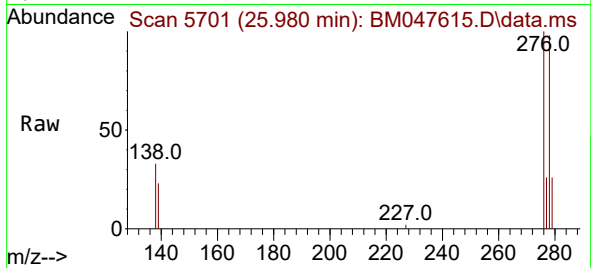




#28
Dibenzo(a,h)anthracene
Concen: 0.418 ng/ul
RT: 25.980 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM047615.D
Acq: 24 Sep 2024 17:54

Instrument :
BNA_M
ClientSampleId :
SSTD0.4010

Tgt Ion:278 Resp: 29985
Ion Ratio Lower Upper
278 100
139 23.3 18.6 28.0
279 26.9 21.5 32.3



#29
Benzo(g,h,i)perylene
Concen: 0.413 ng/ul
RT: 26.674 min Scan# 5908
Delta R.T. 0.000 min
Lab File: BM047615.D
Acq: 24 Sep 2024 17:54

Tgt Ion:276 Resp: 31601
Ion Ratio Lower Upper
276 100
138 28.1 22.5 33.7
277 24.7 19.8 29.6

