

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062224\
 Data File : BM046241.D
 Acq On : 23 Jun 2024 19:19
 Operator : MA/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 24 02:32:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 24 02:25:34 2024
 Response via : Initial Calibration

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

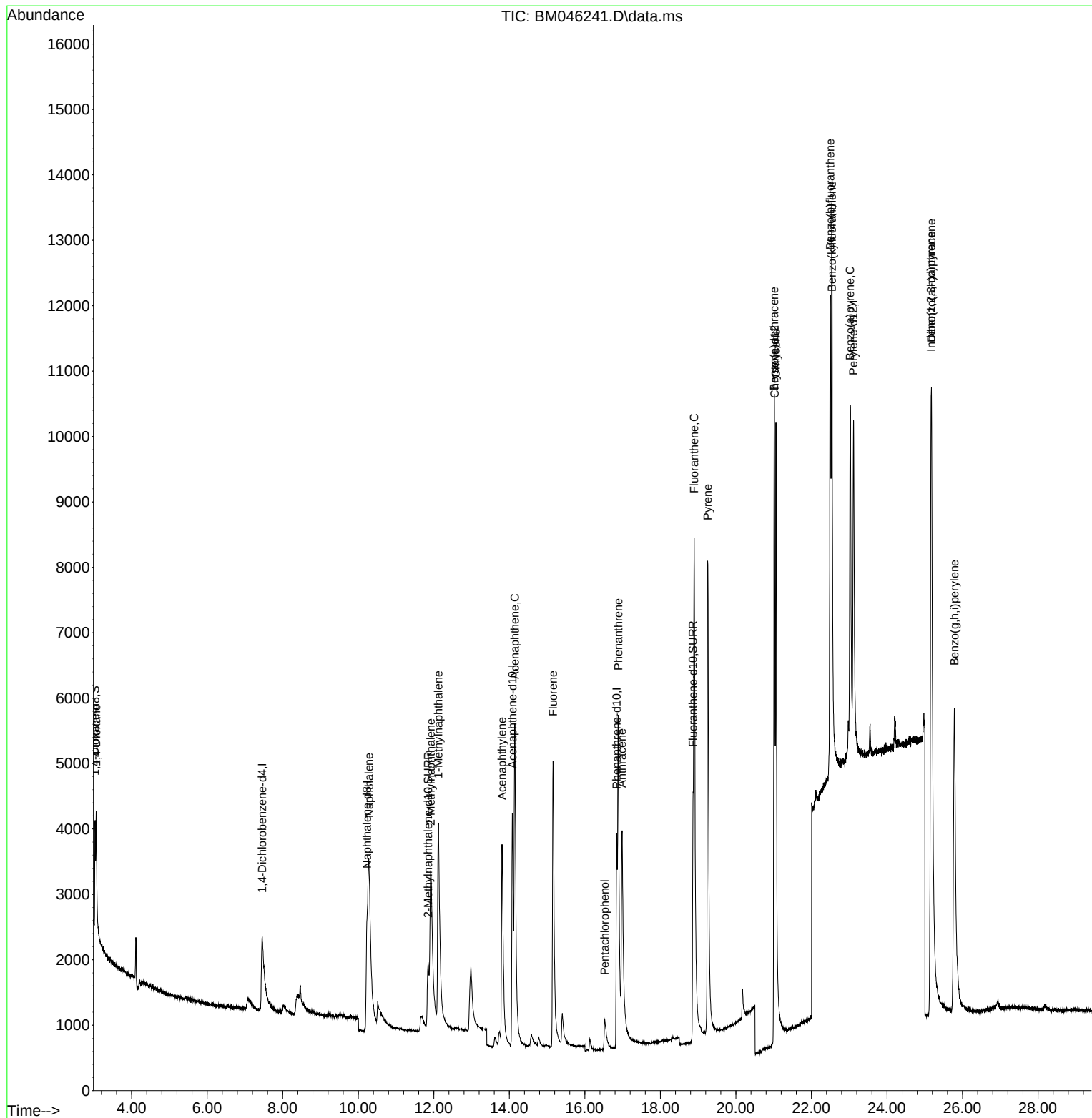
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	2183	0.400	ng/ul	0.00
4) Naphthalene-d8	10.237	136	7157	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.080	164	4136	0.400	ng/ul	-0.03
13) Phenanthrene-d10	16.844	188	7626	0.400	ng/ul	-0.02
17) Chrysene-d12	21.023	240	6228	0.400	ng/ul	-0.02
23) Perylene-d12	23.113	264	8501	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.033	96	1226	0.409	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.848	152	3986	0.415	ng/ul	-0.02
18) Fluoranthene-d10	18.866	212	7564	0.406	ng/ul	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.063	88	1409	0.419	ng/ul	92
5) Naphthalene	10.281	128	7657	0.384	ng/ul	99
7) 2-Methylnaphthalene	11.920	142	4478	0.399	ng/ul	99
8) 1-Methylnaphthalene	12.123	142	5089	0.413	ng/ul	98
10) Acenaphthylene	13.807	152	7774	0.396	ng/ul	98
11) Acenaphthene	14.145	153	5553	0.392	ng/ul	99
12) Fluorene	15.158	166	5872	0.386	ng/ul	100
14) Pentachlorophenol	16.528	266	917	0.401	ng/ul	99
15) Phenanthrene	16.882	178	8313	0.388	ng/ul	100
16) Anthracene	16.984	178	6109	0.383	ng/ul	99
19) Fluoranthene	18.894	202	11062	0.410	ng/ul	99
20) Pyrene	19.256	202	11779	0.404	ng/ul	97
21) Benzo(a)anthracene	21.012	228	9350	0.389	ng/ul	99
22) Chrysene	21.059	228	11733	0.382	ng/ul	99
24) Benzo(b)fluoranthene	22.499	252	11426	0.373	ng/ul	99
25) Benzo(k)fluoranthene	22.540	252	14275	0.392	ng/ul	96
26) Benzo(a)pyrene	23.025	252	10769	0.379	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.169	276	16276	0.350	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.176	278	12498	0.361	ng/ul	98
29) Benzo(g,h,i)perylene	25.786	276	13367	0.336	ng/ul	97

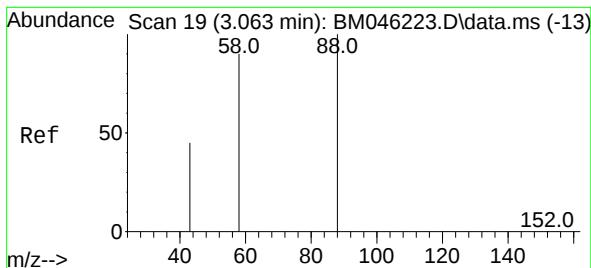
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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#2

1,4-Dioxane

Concen: 0.419 ng/ul

RT: 3.063 min Scan# 1

Delta R.T. -0.013 min

Lab File: BM046241.D

Acq: 23 Jun 2024 19:19

Instrument :

BNA_M

ClientSampleId :

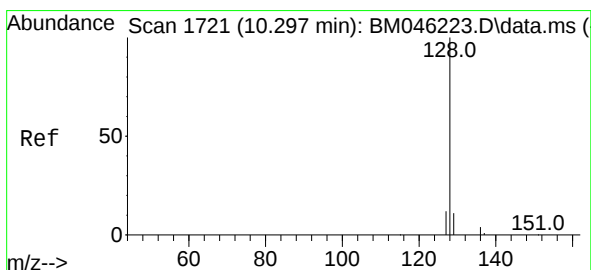
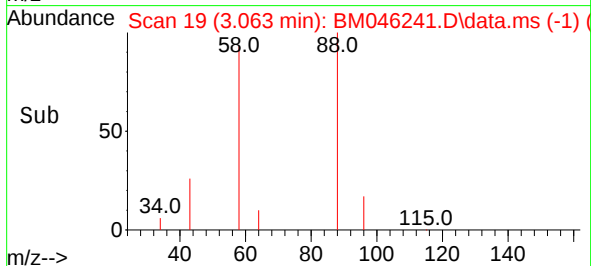
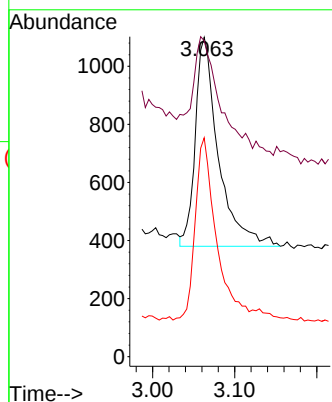
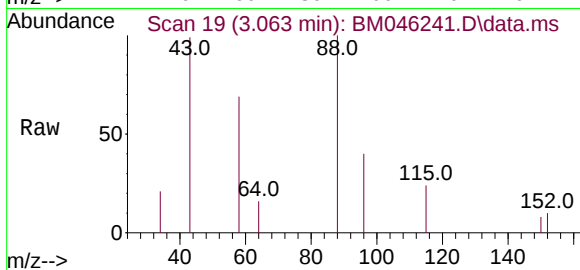
Tgt Ion: 88 Resp: 1409

Ion Ratio Lower Upper

88 100

43 98.9 69.8 104.8

58 68.5 53.2 79.8



#5

Naphthalene

Concen: 0.384 ng/ul

RT: 10.281 min Scan# 1718

Delta R.T. -0.022 min

Lab File: BM046241.D

Acq: 23 Jun 2024 19:19

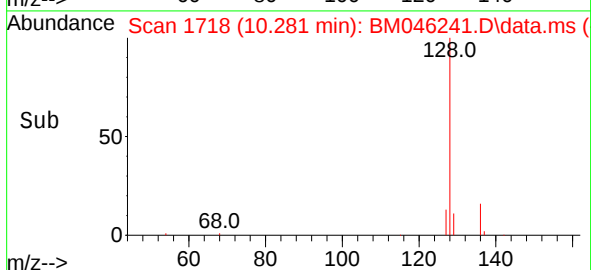
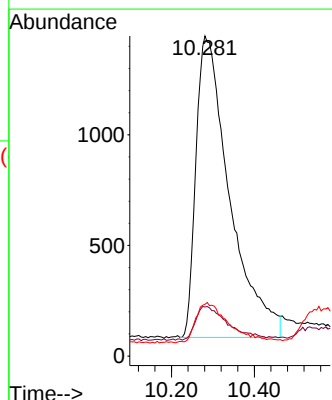
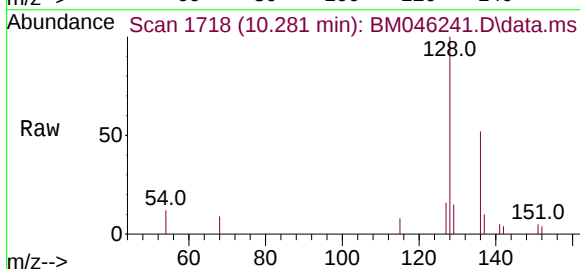
Tgt Ion: 128 Resp: 7657

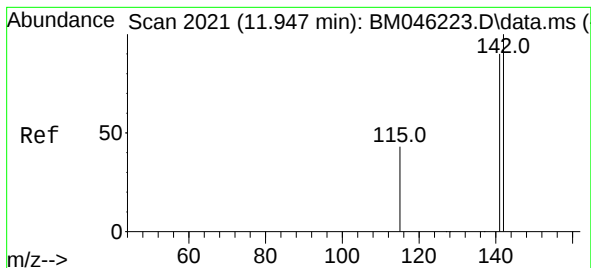
Ion Ratio Lower Upper

128 100

129 15.3 11.8 17.6

127 16.2 12.8 19.2

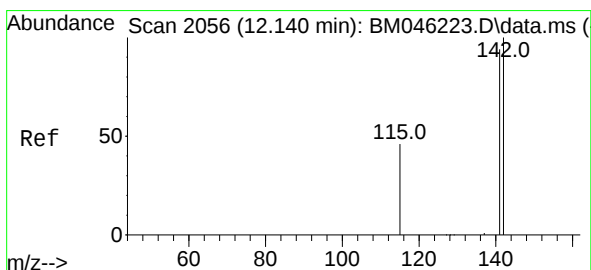
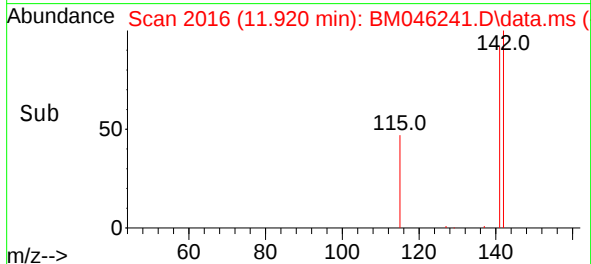
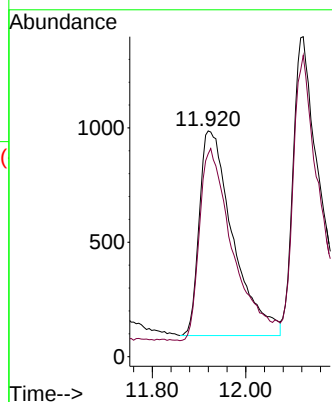
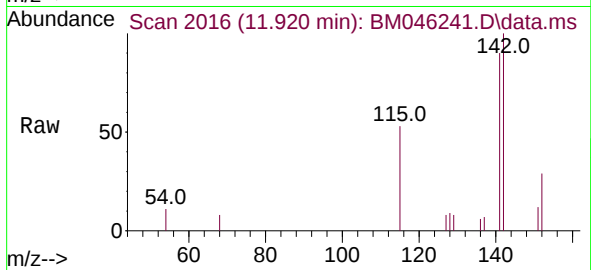




#7
2-Methylnaphthalene
Concen: 0.399 ng/ul
RT: 11.920 min Scan# 2021
Delta R.T. -0.028 min
Lab File: BM046241.D
Acq: 23 Jun 2024 19:19

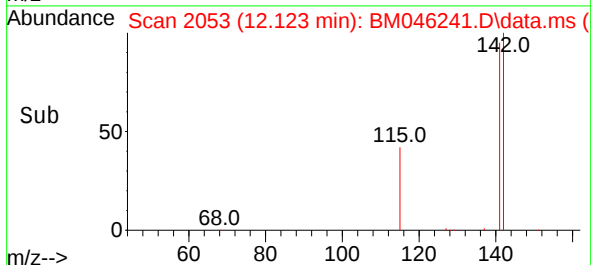
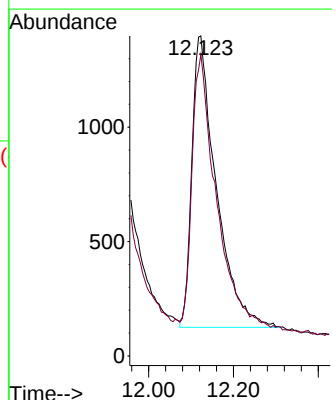
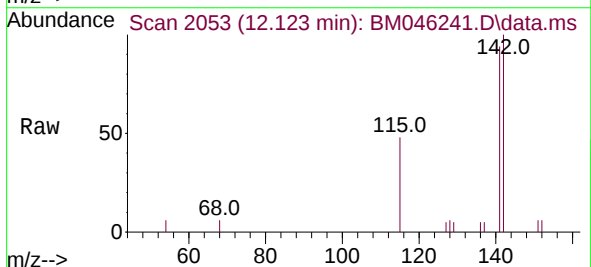
Instrument :
BNA_M
ClientSampleId :

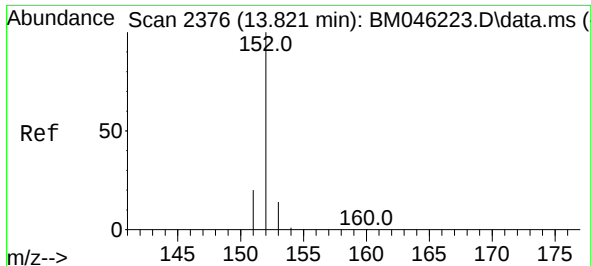
Tgt Ion:142 Resp: 4478
Ion Ratio Lower Upper
142 100
141 94.4 74.6 111.8



#8
1-Methylnaphthalene
Concen: 0.413 ng/ul
RT: 12.123 min Scan# 2053
Delta R.T. -0.027 min
Lab File: BM046241.D
Acq: 23 Jun 2024 19:19

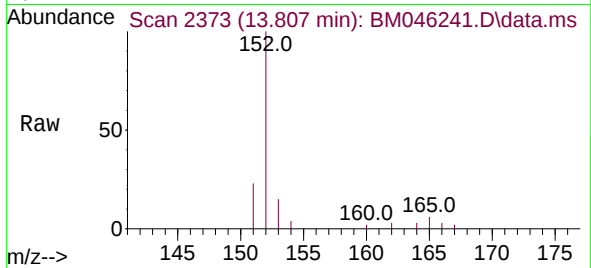
Tgt Ion:142 Resp: 5089
Ion Ratio Lower Upper
142 100
141 91.7 75.2 112.8



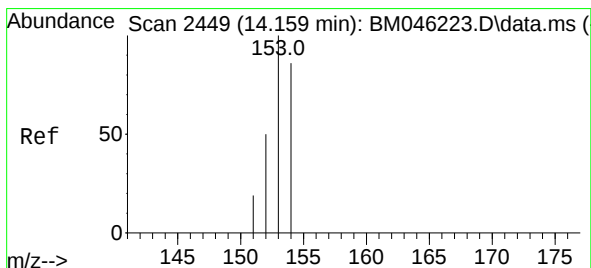
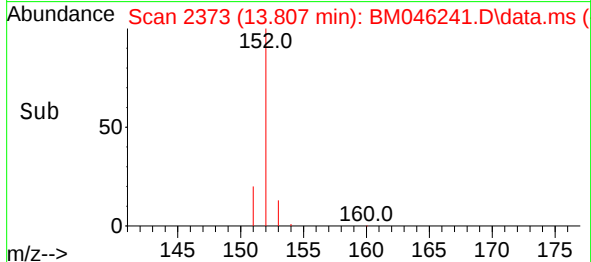
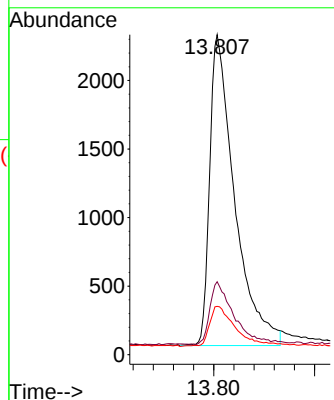


#10
Acenaphthylene
Concen: 0.396 ng/ul
RT: 13.807 min Scan# 2446
Delta R.T. -0.028 min
Lab File: BM046241.D
Acq: 23 Jun 2024 19:19

Instrument :
BNA_M
ClientSampleId :

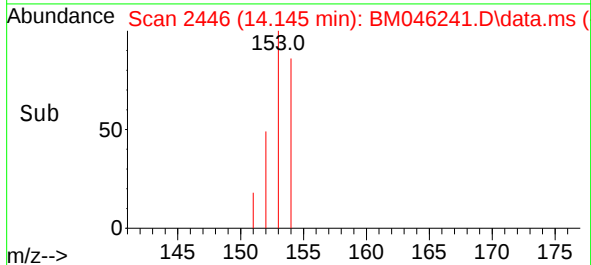
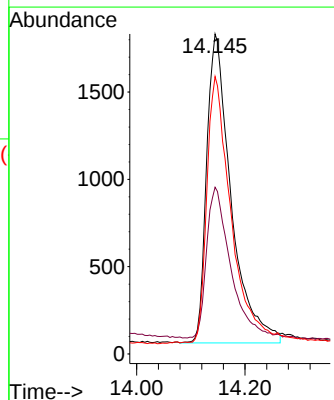
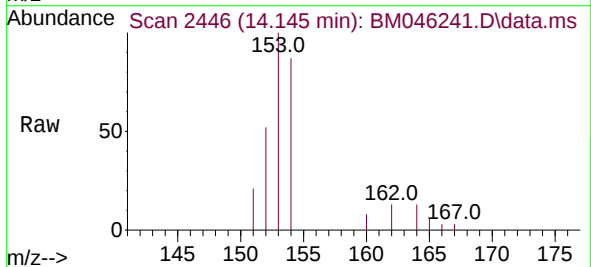


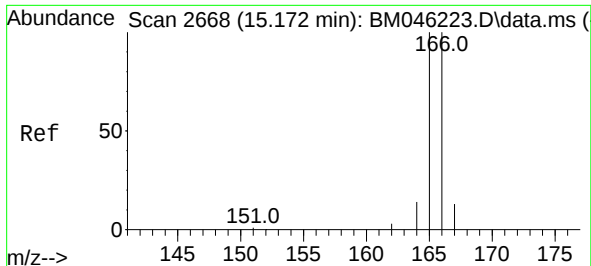
Tgt Ion:152 Resp: 7774
Ion Ratio Lower Upper
152 100
151 22.8 17.4 26.2
153 15.1 11.8 17.8



#11
Acenaphthene
Concen: 0.392 ng/ul
RT: 14.145 min Scan# 2446
Delta R.T. -0.028 min
Lab File: BM046241.D
Acq: 23 Jun 2024 19:19

Tgt Ion:153 Resp: 5553
Ion Ratio Lower Upper
153 100
152 52.1 41.3 61.9
154 86.7 68.2 102.4





#12

Fluorene

Concen: 0.386 ng/ul

RT: 15.158 min Scan# 2

Delta R.T. -0.023 min

Lab File: BM046241.D

Acq: 23 Jun 2024 19:19

Instrument :

BNA_M

ClientSampleId :

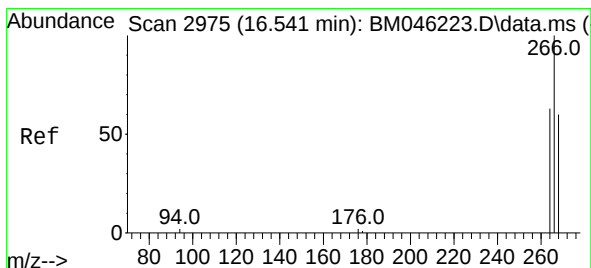
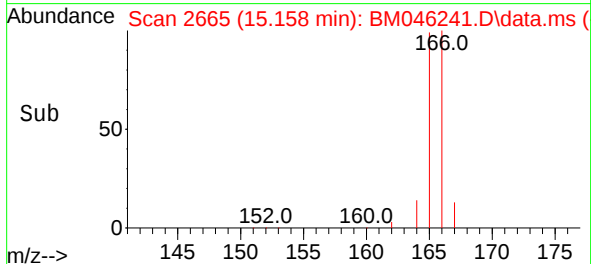
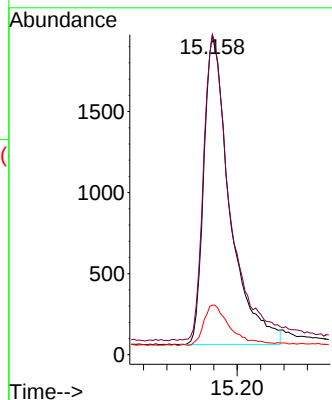
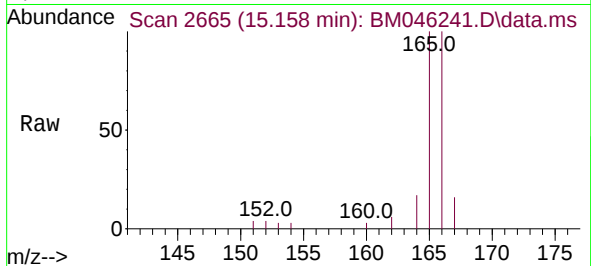
Tgt Ion:166 Resp: 5872

Ion Ratio Lower Upper

166 100

165 100.2 80.4 120.6

167 15.5 12.4 18.6



#14

Pentachlorophenol

Concen: 0.401 ng/ul

RT: 16.528 min Scan# 2972

Delta R.T. -0.038 min

Lab File: BM046241.D

Acq: 23 Jun 2024 19:19

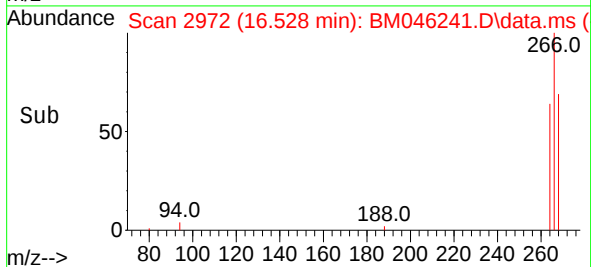
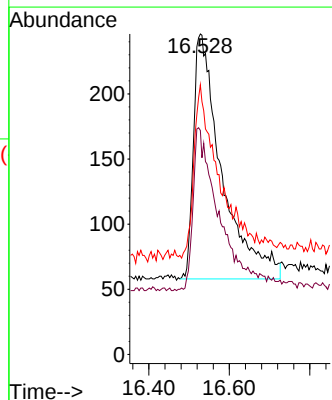
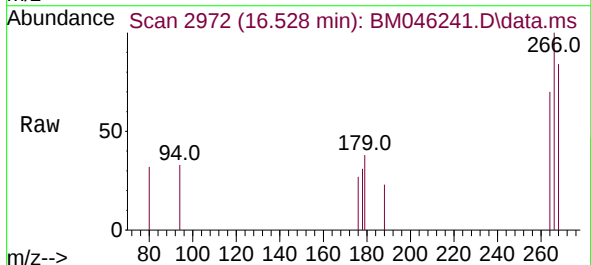
Tgt Ion:266 Resp: 917

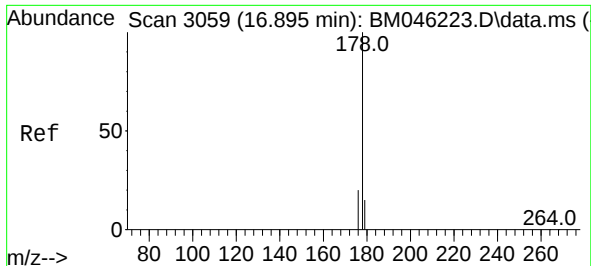
Ion Ratio Lower Upper

266 100

264 63.6 50.9 76.3

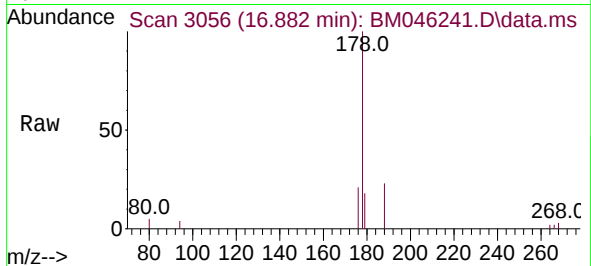
268 67.3 52.3 78.5



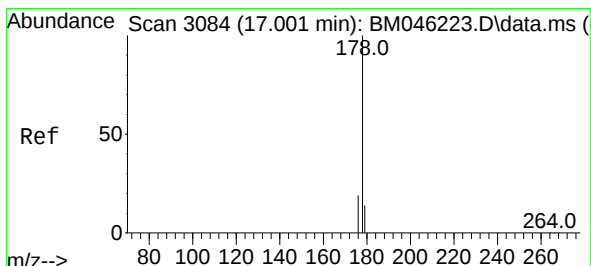
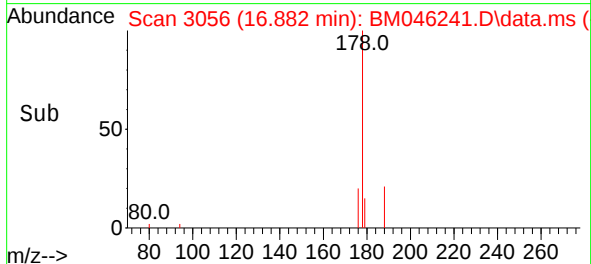
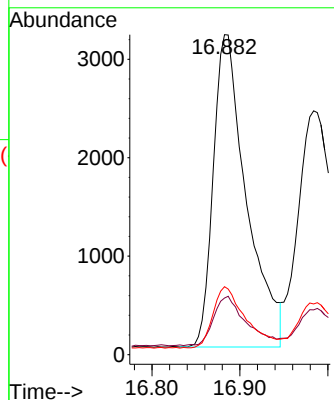


#15
Phenanthrene
Concen: 0.388 ng/ul
RT: 16.882 min Scan# 3056
Delta R.T. -0.021 min
Lab File: BM046241.D
Acq: 23 Jun 2024 19:19

Instrument :
BNA_M
ClientSampleId :

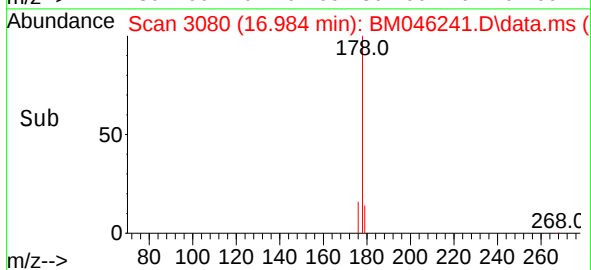
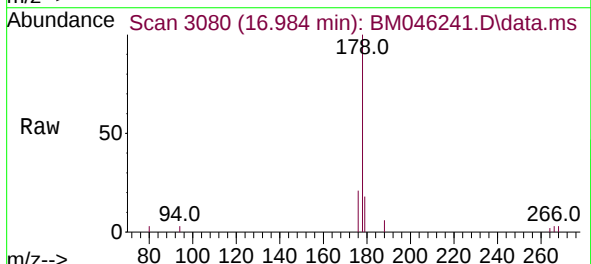
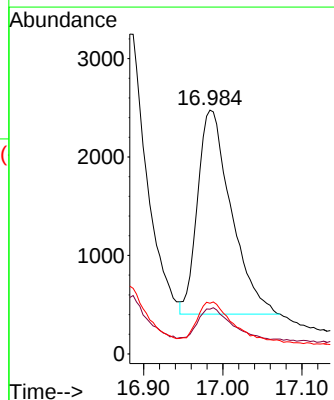


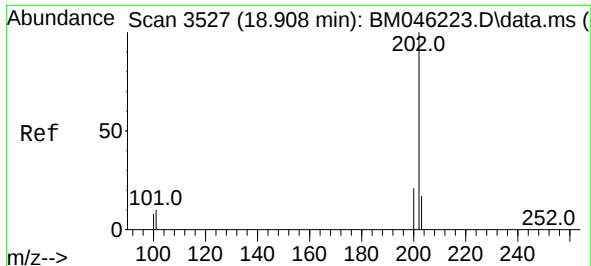
Tgt Ion:178 Resp: 8313
Ion Ratio Lower Upper
178 100
179 17.7 14.2 21.2
176 21.2 17.1 25.7



#16
Anthracene
Concen: 0.383 ng/ul
RT: 16.984 min Scan# 3080
Delta R.T. -0.021 min
Lab File: BM046241.D
Acq: 23 Jun 2024 19:19

Tgt Ion:178 Resp: 6109
Ion Ratio Lower Upper
178 100
179 18.4 14.9 22.3
176 20.8 17.0 25.4





#19

Fluoranthene

Concen: 0.410 ng/ul

RT: 18.894 min Scan# 3524

Delta R.T. -0.023 min

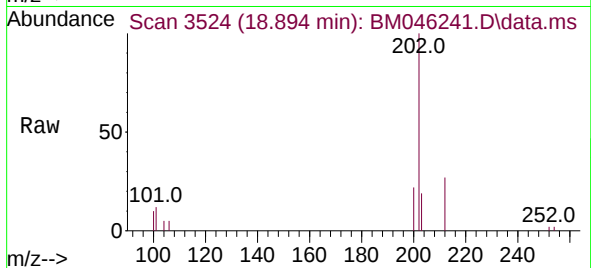
Lab File: BM046241.D

Acq: 23 Jun 2024 19:19

Instrument :

BNA_M

ClientSampleId :



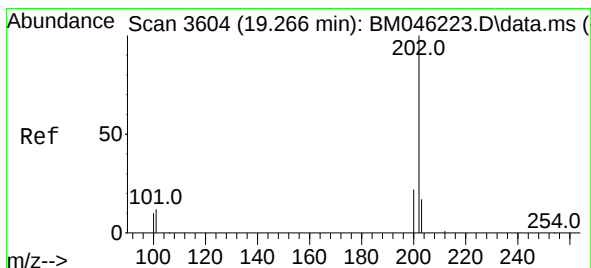
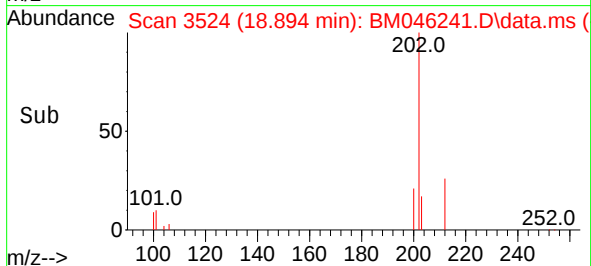
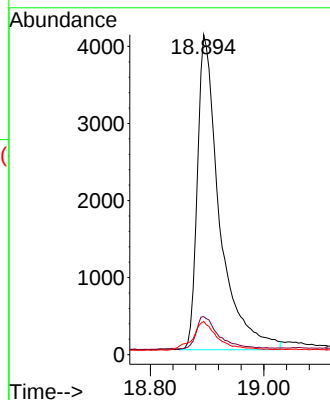
Tgt Ion:202 Resp: 11062

Ion Ratio Lower Upper

202 100

101 11.9 9.6 14.4

100 10.4 7.6 11.4



#20

Pyrene

Concen: 0.404 ng/ul

RT: 19.256 min Scan# 3602

Delta R.T. -0.019 min

Lab File: BM046241.D

Acq: 23 Jun 2024 19:19

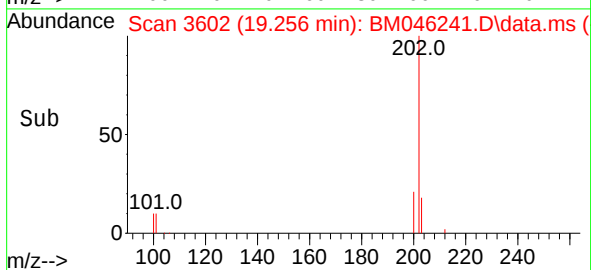
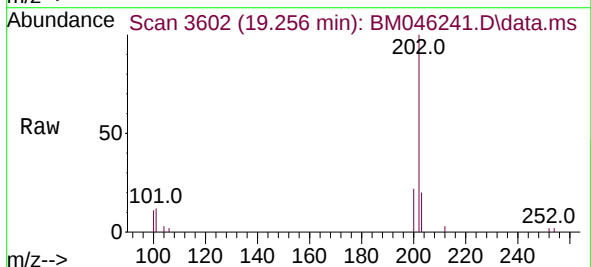
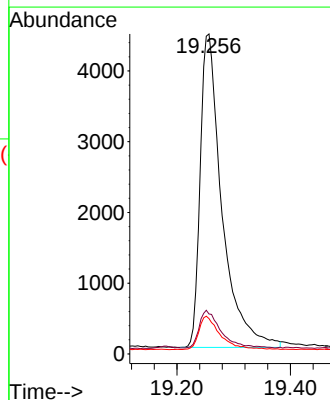
Tgt Ion:202 Resp: 11779

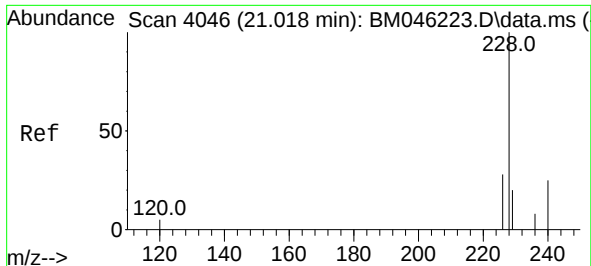
Ion Ratio Lower Upper

202 100

101 12.5 11.3 16.9

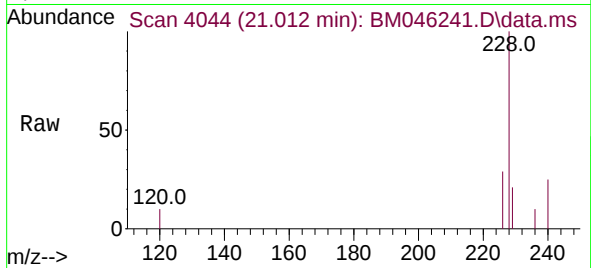
100 11.1 9.8 14.6



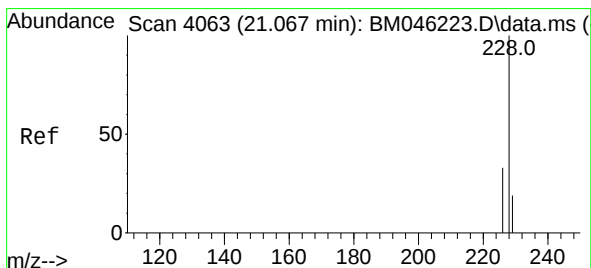
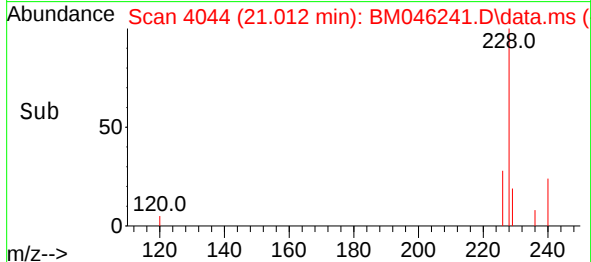
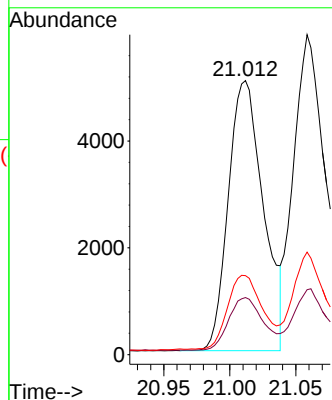


#21
Benzo(a)anthracene
Concen: 0.389 ng/ul
RT: 21.012 min Scan# 4046
Delta R.T. -0.018 min
Lab File: BM046241.D
Acq: 23 Jun 2024 19:19

Instrument :
BNA_M
ClientSampleId :

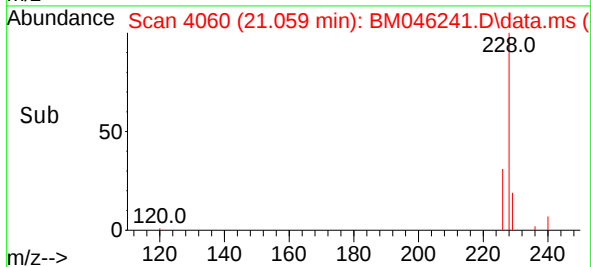
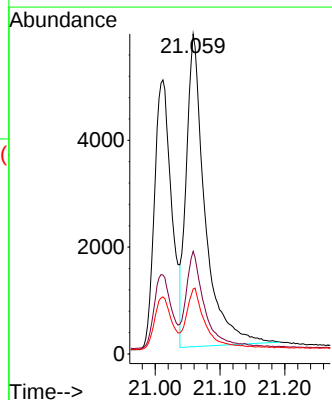
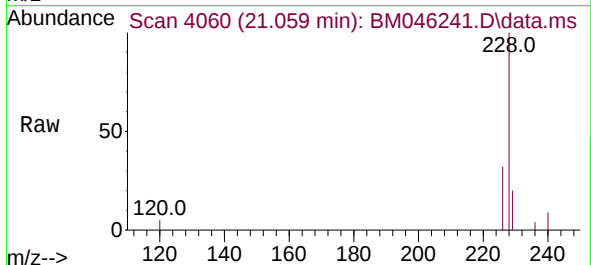


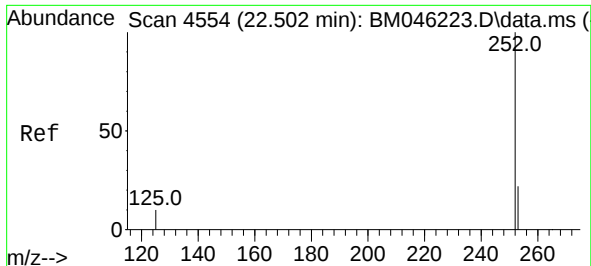
Tgt Ion:228 Resp: 9350
Ion Ratio Lower Upper
228 100
229 20.8 16.4 24.6
226 28.9 23.4 35.2



#22
Chrysene
Concen: 0.382 ng/ul
RT: 21.059 min Scan# 4060
Delta R.T. -0.018 min
Lab File: BM046241.D
Acq: 23 Jun 2024 19:19

Tgt Ion:228 Resp: 11733
Ion Ratio Lower Upper
228 100
226 32.0 25.2 37.8
229 20.3 16.3 24.5

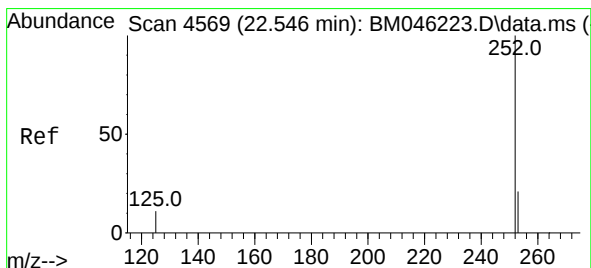
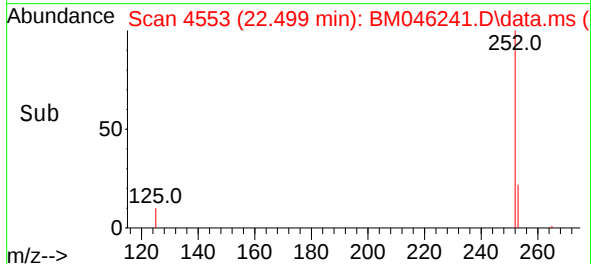
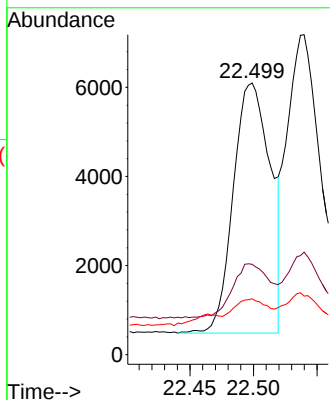
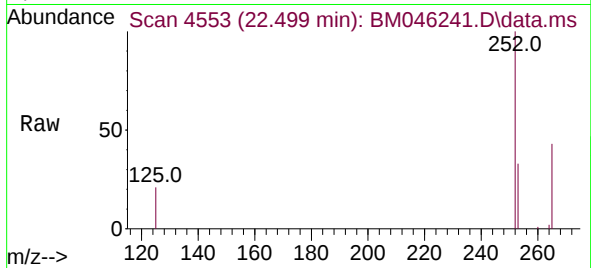




#24
Benzo(b)fluoranthene
Concen: 0.373 ng/ul
RT: 22.499 min Scan# 4553
Delta R.T. -0.020 min
Lab File: BM046241.D
Acq: 23 Jun 2024 19:19

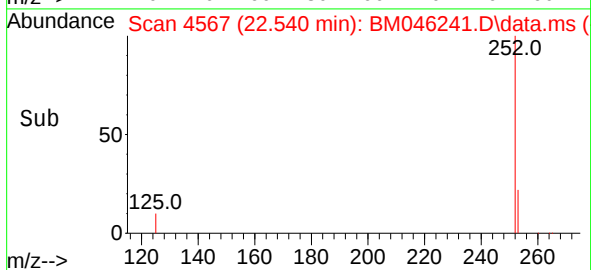
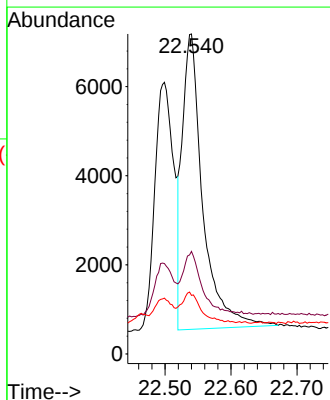
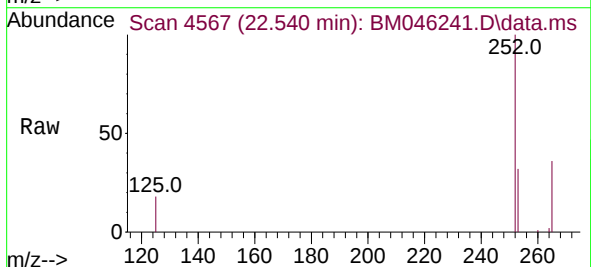
Instrument :
BNA_M
ClientSampleId :

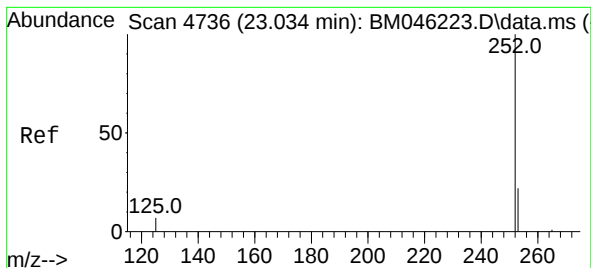
Tgt Ion:252 Resp: 11426
Ion Ratio Lower Upper
252 100
253 33.2 0.0 65.8
125 20.5 0.0 40.2



#25
Benzo(k)fluoranthene
Concen: 0.392 ng/ul
RT: 22.540 min Scan# 4567
Delta R.T. -0.023 min
Lab File: BM046241.D
Acq: 23 Jun 2024 19:19

Tgt Ion:252 Resp: 14275
Ion Ratio Lower Upper
252 100
253 32.0 27.2 40.8
125 18.3 16.6 25.0





#26

Benzo(a)pyrene

Concen: 0.379 ng/ul

RT: 23.025 min Scan# 4733

Delta R.T. -0.029 min

Lab File: BM046241.D

Acq: 23 Jun 2024 19:19

Instrument :

BNA_M

ClientSampleId :

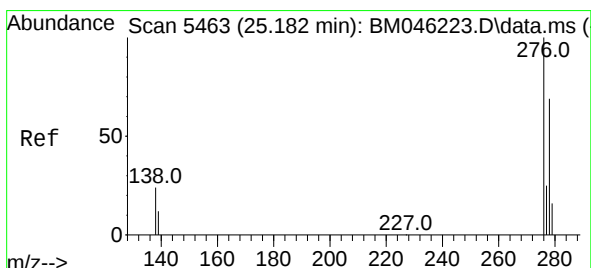
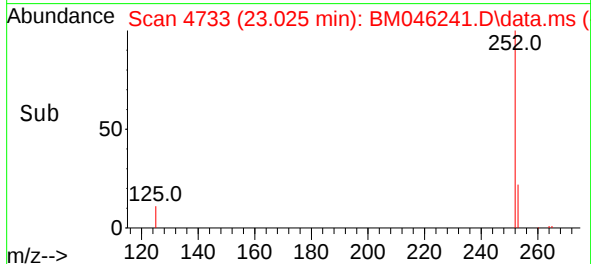
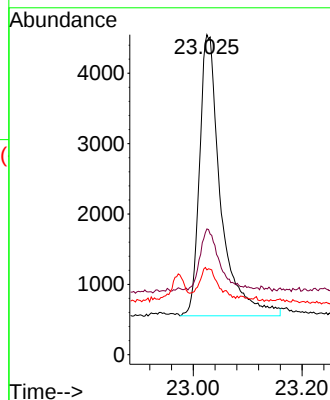
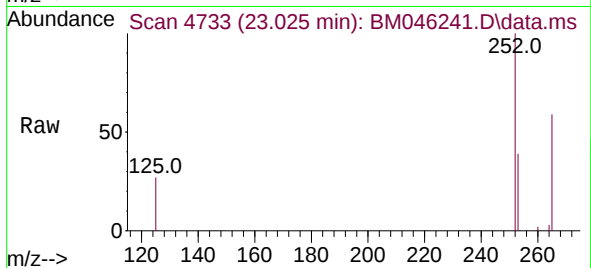
Tgt Ion:252 Resp: 10769

Ion Ratio Lower Upper

252 100

253 39.3 32.1 48.1

125 26.5 21.2 31.8



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.350 ng/ul

RT: 25.169 min Scan# 5459

Delta R.T. -0.034 min

Lab File: BM046241.D

Acq: 23 Jun 2024 19:19

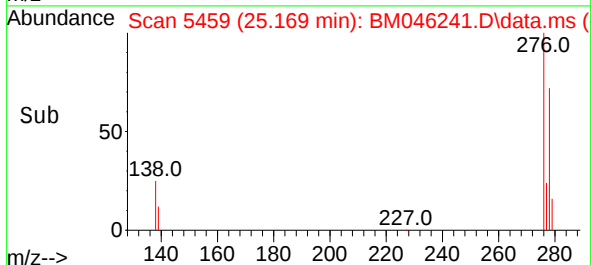
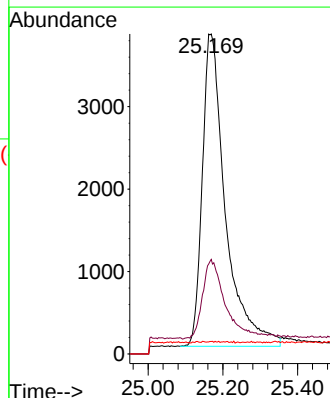
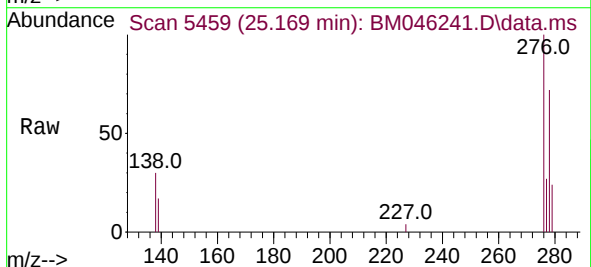
Tgt Ion:276 Resp: 16276

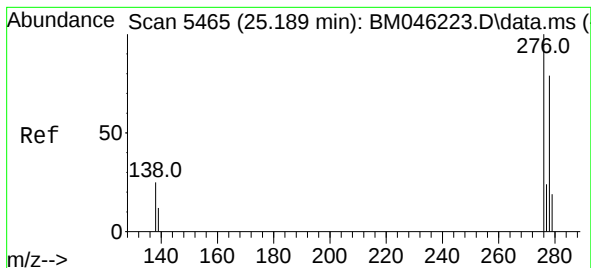
Ion Ratio Lower Upper

276 100

138 25.7 21.0 31.4

227 0.1 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.361 ng/ul

RT: 25.176 min Scan# 5465

Delta R.T. -0.040 min

Lab File: BM046241.D

Acq: 23 Jun 2024 19:19

Instrument :

BNA_M

ClientSampleId :

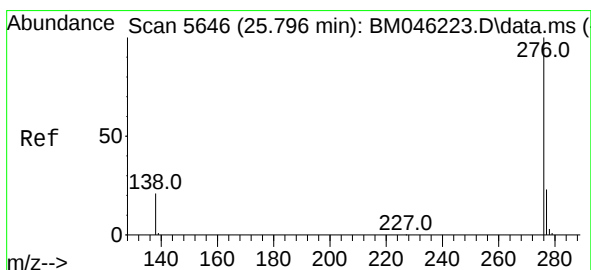
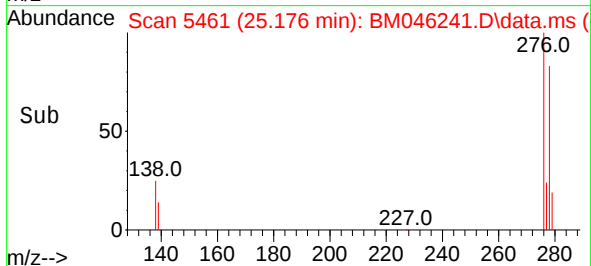
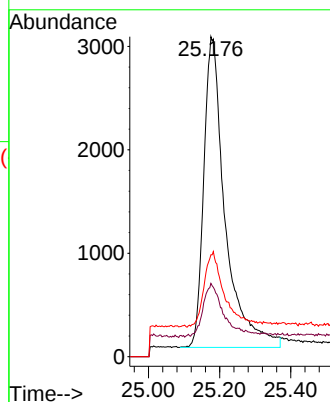
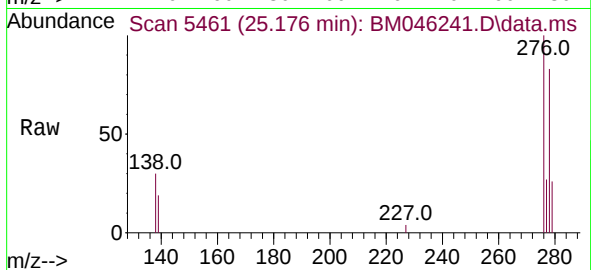
Tgt Ion:278 Resp: 12498

Ion Ratio Lower Upper

278 100

139 22.9 17.6 26.4

279 31.8 26.3 39.5



#29

Benzo(g,h,i)perylene

Concen: 0.336 ng/ul

RT: 25.786 min Scan# 5643

Delta R.T. -0.044 min

Lab File: BM046241.D

Acq: 23 Jun 2024 19:19

Tgt Ion:276 Resp: 13367

Ion Ratio Lower Upper

276 100

138 26.1 21.7 32.5

277 27.5 20.4 30.6

