

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071224\
 Data File : BM046573.D
 Acq On : 13 Jul 2024 09:00
 Operator : MA/JU
 Sample : P3088-04MSD
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4CC5MSD

Quant Time: Jul 15 08:59:50 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 : Mon Jul 15 08:57:27 2024
 Response via : Initial Calibration

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

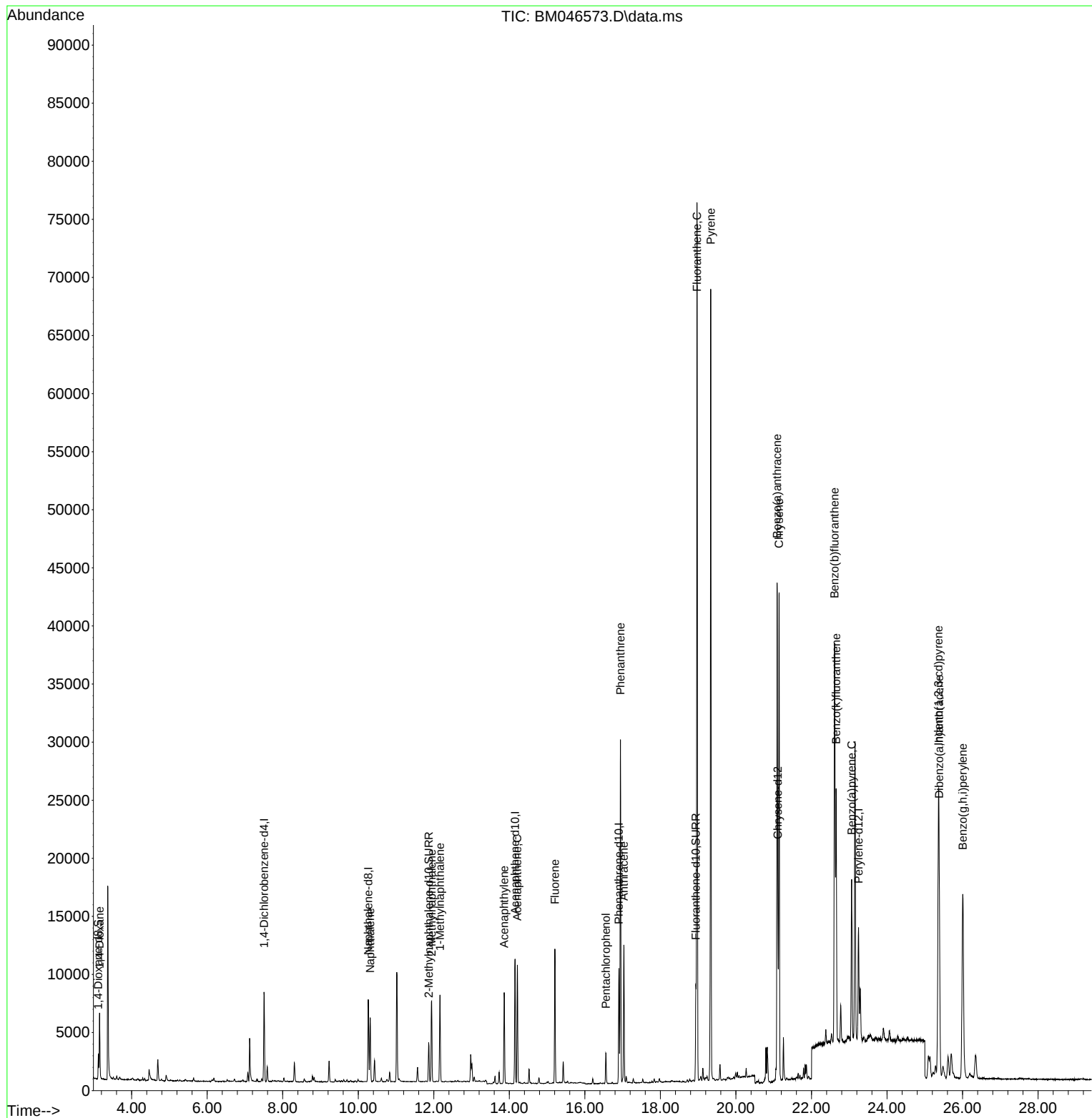
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.505	152	3700	0.400	ng/ul	0.00
4) Naphthalene-d8	10.265	136	9377	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.150	164	5821	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.900	188	12169	0.400	ng/ul	0.00
17) Chrysene-d12	21.108	240	9671	0.400	ng/ul	0.00
23) Perylene-d12	23.244	264	11679	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.117	96	1314	0.432	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.866	152	4279	0.283	ng/ul	0.00
18) Fluoranthene-d10	18.937	212	9866	0.335	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.151	88	3527	1.087	ng/ul#	70
5) Naphthalene	10.315	128	7196	0.302	ng/ul	97
7) 2-Methylnaphthalene	11.943	142	4872	0.291	ng/ul	98
8) 1-Methylnaphthalene	12.163	142	4867	0.285	ng/ul	98
10) Acenaphthylene	13.864	152	8667	0.327	ng/ul	98
11) Acenaphthene	14.210	153	5779	0.326	ng/ul	98
12) Fluorene	15.205	166	6856	0.312	ng/ul	98
14) Pentachlorophenol	16.558	266	1715	0.278	ng/ul	98
15) Phenanthrene	16.943	178	28856	0.831	ng/ul	98
16) Anthracene	17.031	178	12287	0.363	ng/ul	99
19) Fluoranthene	18.969	202	67302	1.694	ng/ul	99
20) Pyrene	19.332	202	60053	1.396	ng/ul	99
21) Benzo(a)anthracene	21.090	228	34246	0.800	ng/ul	99
22) Chrysene	21.143	228	37544	0.907	ng/ul	99
24) Benzo(b)fluoranthene	22.612	252	51431	1.103	ng/ul	92
25) Benzo(k)fluoranthene	22.653	252	25282	0.552	ng/ul	94
26) Benzo(a)pyrene	23.063	252	18389	0.479	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	25.363	276	36572	0.626	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.380	278	17378	0.376	ng/ul	97
29) Benzo(g,h,i)perylene	26.007	276	33455	0.718	ng/ul	98

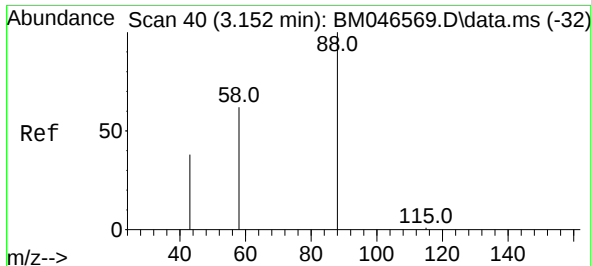
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 15 08:59:50 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 : Mon Jul 15 08:57:27 2024
Response via : Initial Calibration

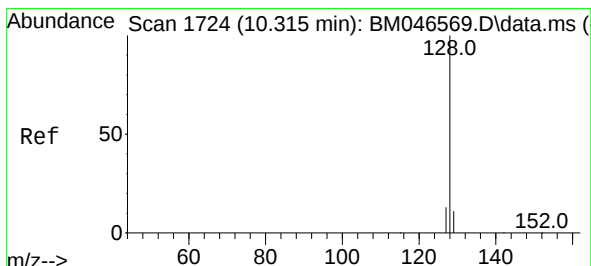
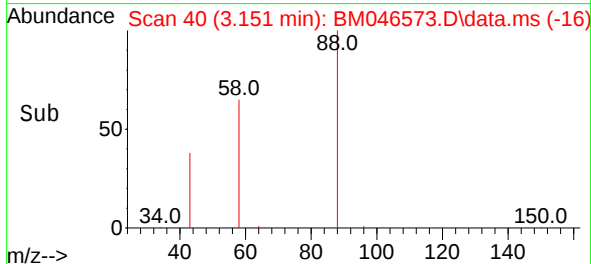
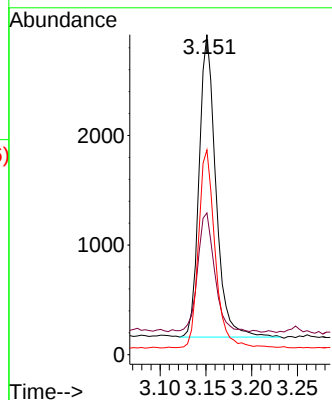
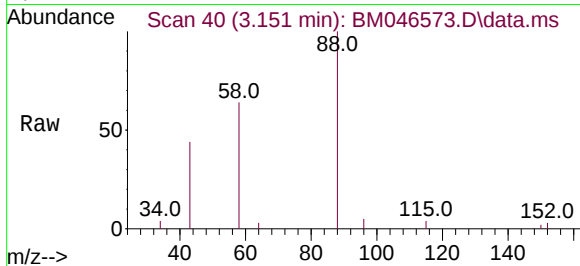




#2
1,4-Dioxane
Concen: 1.087 ng/ul
RT: 3.151 min Scan# 40
Delta R.T. -0.001 min
Lab File: BM046573.D
Acq: 13 Jul 2024 09:00

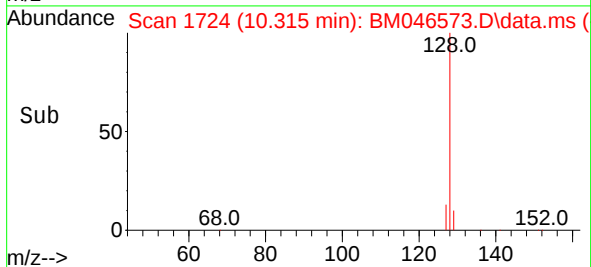
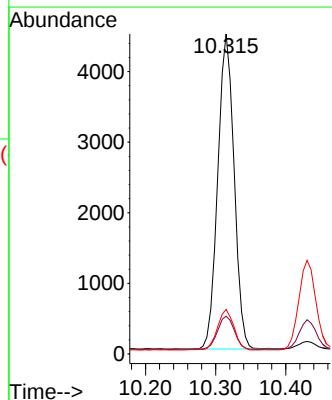
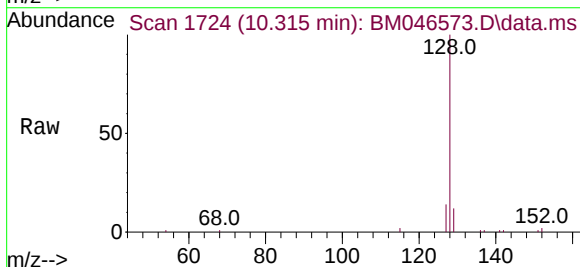
Instrument :
BNA_M
ClientSampleId :
A4CC5MSD

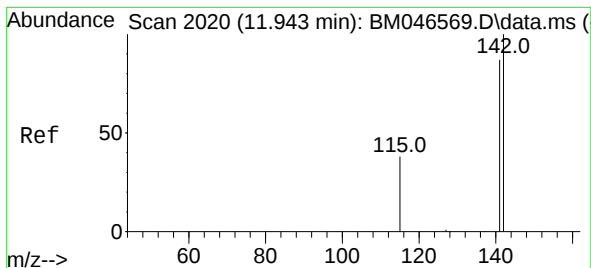
Tgt Ion: 88 Resp: 3527
Ion Ratio Lower Upper
88 100
43 44.3 70.2 105.4#
58 64.0 48.2 72.4



#5
Naphthalene
Concen: 0.302 ng/ul
RT: 10.315 min Scan# 1724
Delta R.T. -0.001 min
Lab File: BM046573.D
Acq: 13 Jul 2024 09:00

Tgt Ion: 128 Resp: 7196
Ion Ratio Lower Upper
128 100
129 11.8 10.3 15.5
127 13.9 12.2 18.4





#7

2-Methylnaphthalene

Concen: 0.291 ng/ul

RT: 11.943 min Scan# 2020

Delta R.T. -0.001 min

Lab File: BM046573.D

Acq: 13 Jul 2024 09:00

Instrument :

BNA_M

ClientSampleId :

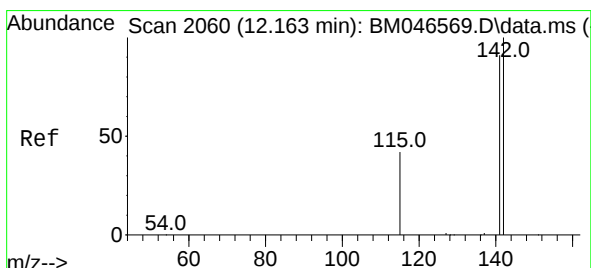
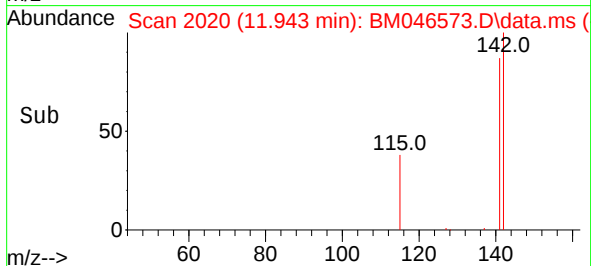
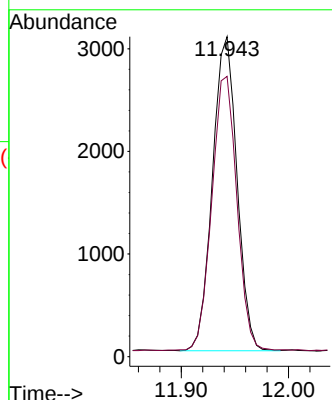
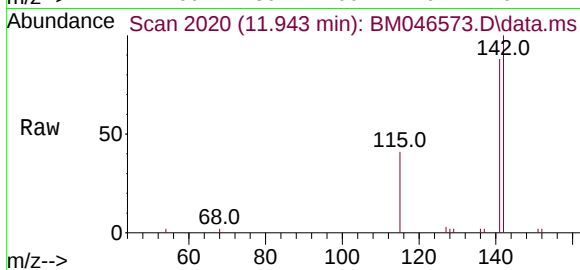
A4CC5MSD

Tgt Ion:142 Resp: 4872

Ion Ratio Lower Upper

142 100

141 89.3 70.3 105.5



#8

1-Methylnaphthalene

Concen: 0.285 ng/ul

RT: 12.163 min Scan# 2060

Delta R.T. -0.001 min

Lab File: BM046573.D

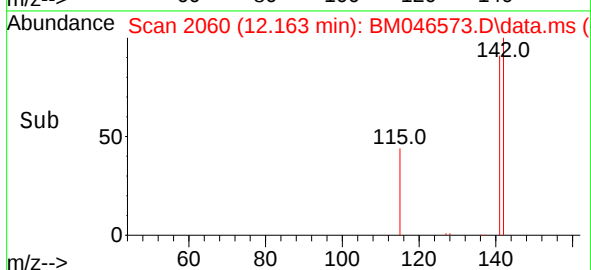
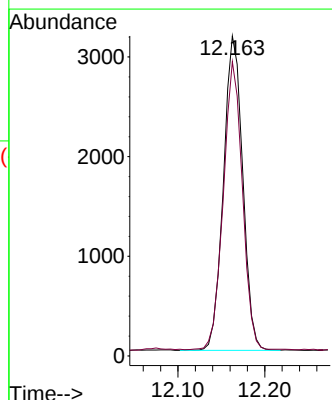
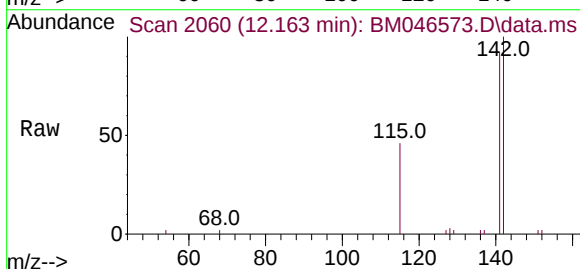
Acq: 13 Jul 2024 09:00

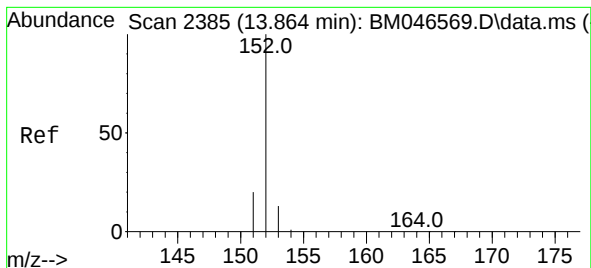
Tgt Ion:142 Resp: 4867

Ion Ratio Lower Upper

142 100

141 90.8 73.9 110.9





#10

Acenaphthylene

Concen: 0.327 ng/ul

RT: 13.864 min Scan# 2385

Delta R.T. -0.001 min

Lab File: BM046573.D

Acq: 13 Jul 2024 09:00

Instrument :

BNA_M

ClientSampleId :

A4CC5MSD

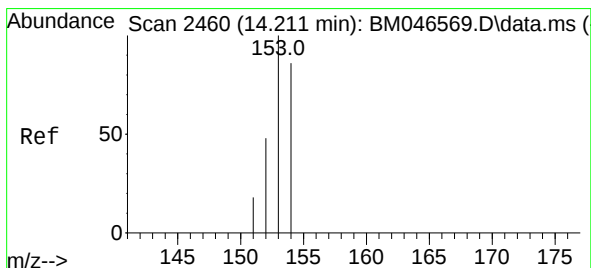
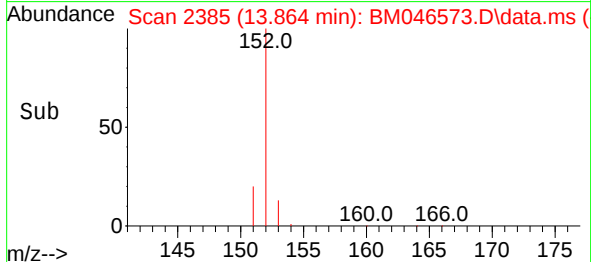
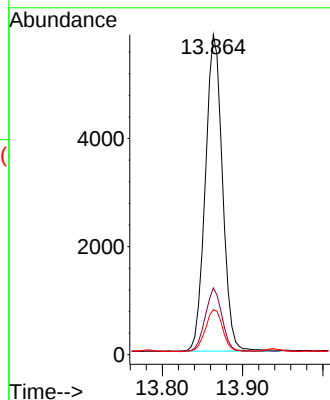
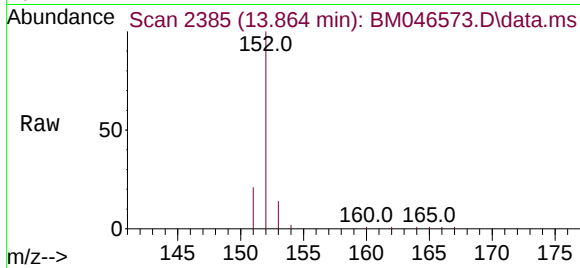
Tgt Ion:152 Resp: 8667

Ion Ratio Lower Upper

152 100

151 20.9 16.4 24.6

153 14.0 12.4 18.6



#11

Acenaphthene

Concen: 0.326 ng/ul

RT: 14.210 min Scan# 2460

Delta R.T. -0.001 min

Lab File: BM046573.D

Acq: 13 Jul 2024 09:00

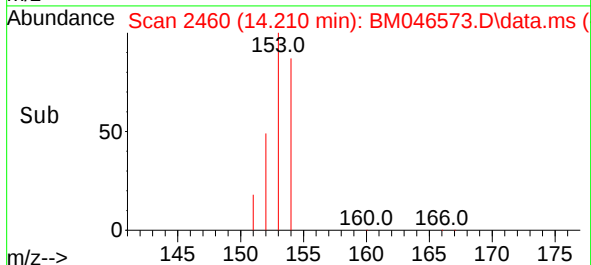
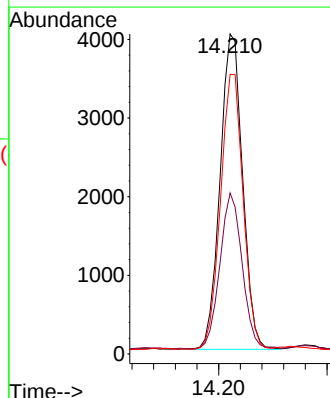
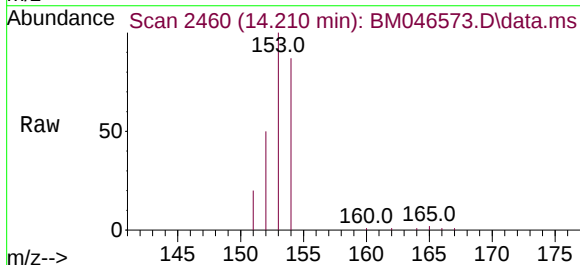
Tgt Ion:153 Resp: 5779

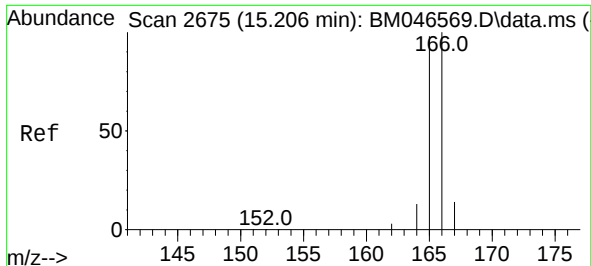
Ion Ratio Lower Upper

153 100

152 50.3 43.0 64.6

154 87.3 69.9 104.9

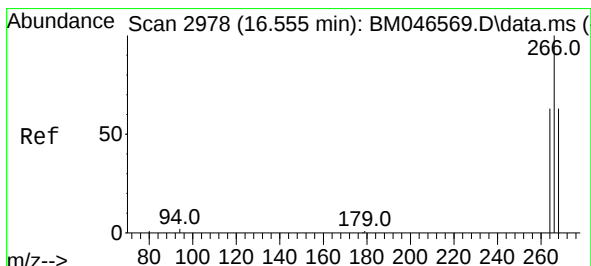
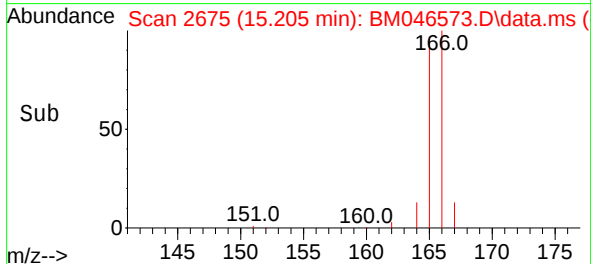
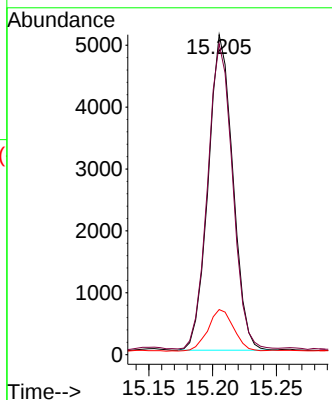
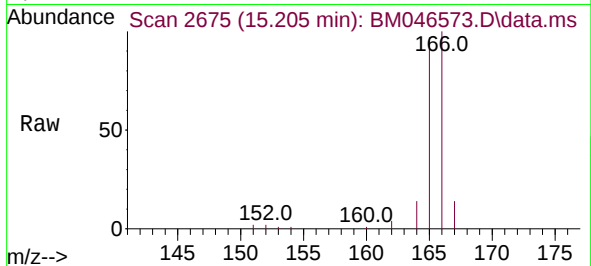




#12
Fluorene
Concen: 0.312 ng/ul
RT: 15.205 min Scan# 2
Delta R.T. -0.001 min
Lab File: BM046573.D
Acq: 13 Jul 2024 09:00

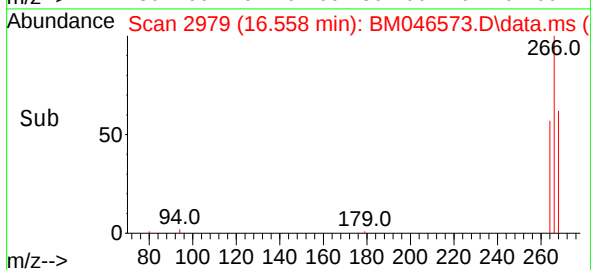
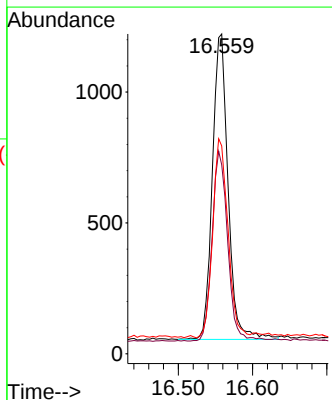
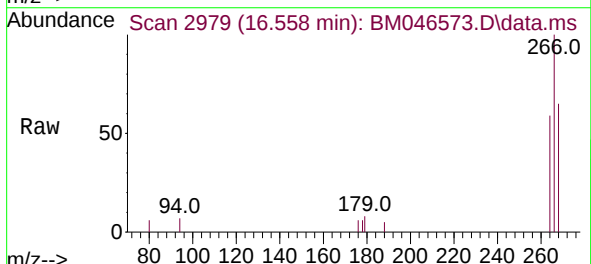
Instrument :
BNA_M
ClientSampleId :
A4CC5MSD

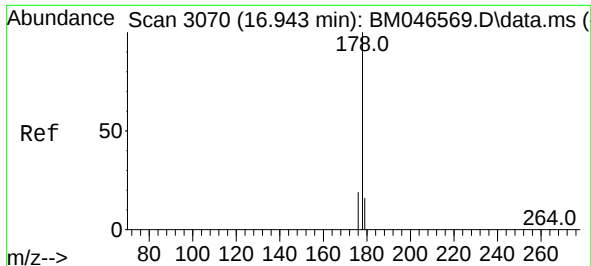
Tgt Ion:166 Resp: 6856
Ion Ratio Lower Upper
166 100
165 97.2 76.1 114.1
167 14.1 12.5 18.7



#14
Pentachlorophenol
Concen: 0.278 ng/ul
RT: 16.558 min Scan# 2979
Delta R.T. 0.004 min
Lab File: BM046573.D
Acq: 13 Jul 2024 09:00

Tgt Ion:266 Resp: 1715
Ion Ratio Lower Upper
266 100
264 62.2 50.1 75.1
268 63.6 52.5 78.7

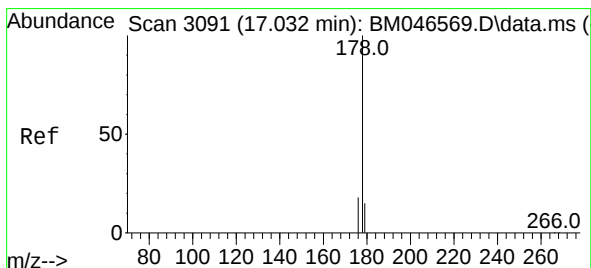
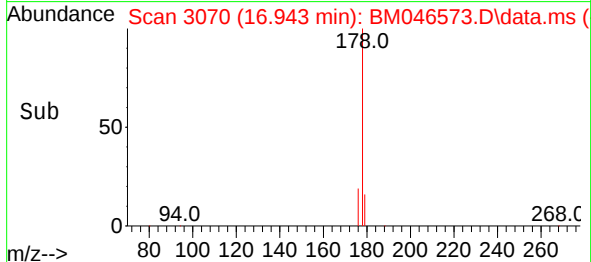
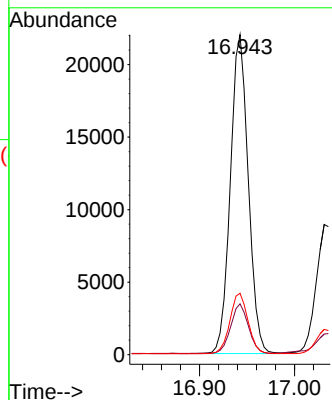
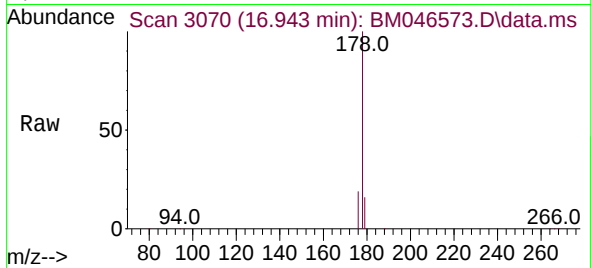




#15
Phenanthrene
Concen: 0.831 ng/ul
RT: 16.943 min Scan# 3070
Delta R.T. -0.001 min
Lab File: BM046573.D
Acq: 13 Jul 2024 09:00

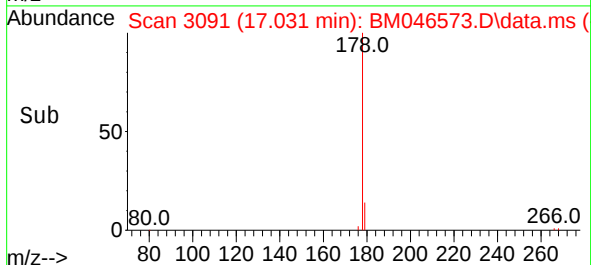
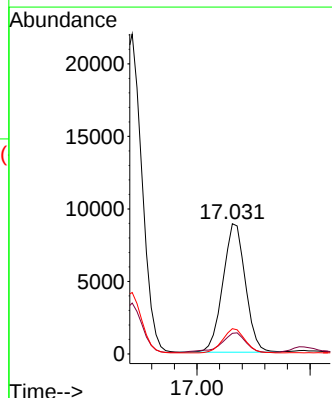
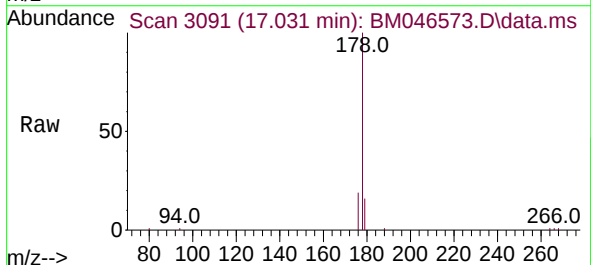
Instrument :
BNA_M
ClientSampleId :
A4CC5MSD

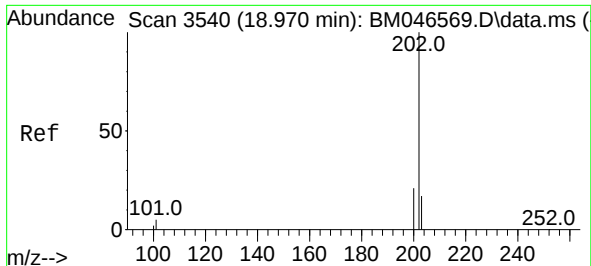
Tgt Ion:178 Resp: 28856
Ion Ratio Lower Upper
178 100
179 15.9 13.1 19.7
176 19.2 16.0 24.0



#16
Anthracene
Concen: 0.363 ng/ul
RT: 17.031 min Scan# 3091
Delta R.T. -0.001 min
Lab File: BM046573.D
Acq: 13 Jul 2024 09:00

Tgt Ion:178 Resp: 12287
Ion Ratio Lower Upper
178 100
179 15.9 13.5 20.3
176 19.4 15.7 23.5





#19

Fluoranthene

Concen: 1.694 ng/ul

RT: 18.969 min Scan# 3540

Delta R.T. -0.001 min

Lab File: BM046573.D

Acq: 13 Jul 2024 09:00

Instrument :

BNA_M

ClientSampleId :

A4CC5MSD

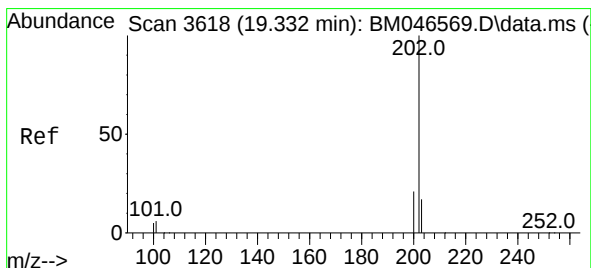
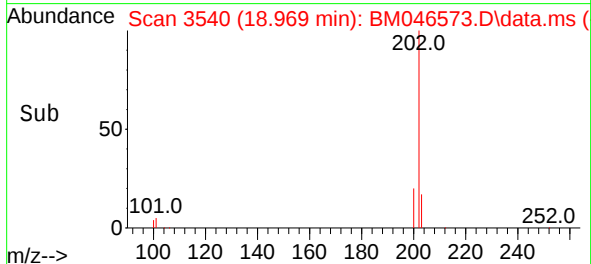
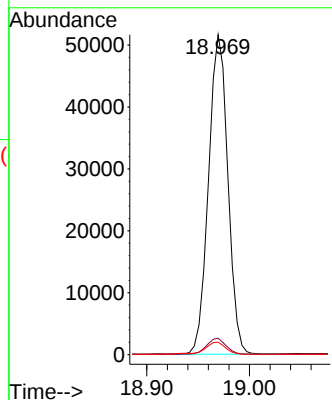
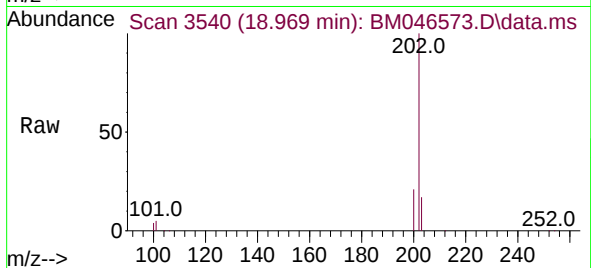
Tgt Ion:202 Resp: 67302

Ion Ratio Lower Upper

202 100

101 5.2 4.6 6.8

100 3.9 3.0 4.6



#20

Pyrene

Concen: 1.396 ng/ul

RT: 19.332 min Scan# 3618

Delta R.T. -0.001 min

Lab File: BM046573.D

Acq: 13 Jul 2024 09:00

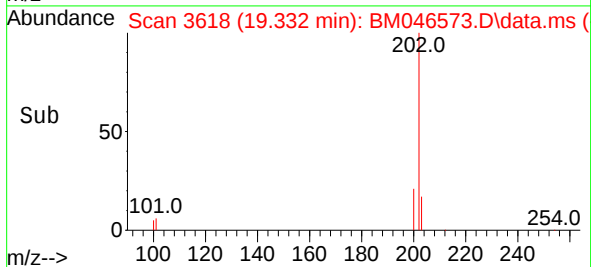
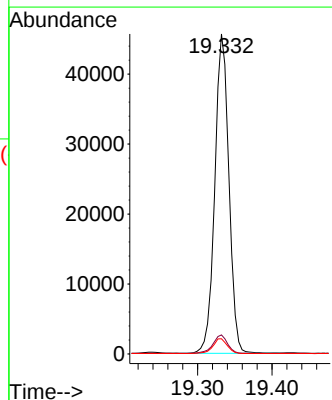
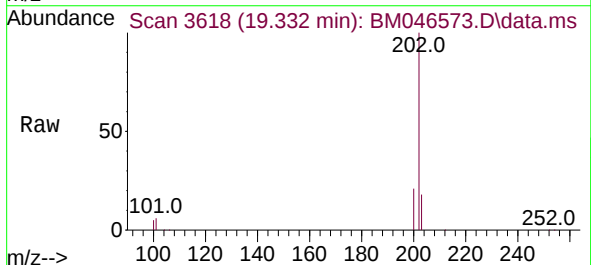
Tgt Ion:202 Resp: 60053

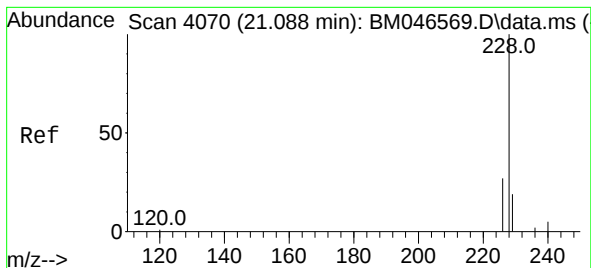
Ion Ratio Lower Upper

202 100

101 6.0 5.1 7.7

100 4.8 3.8 5.6





#21

Benzo(a)anthracene

Concen: 0.800 ng/ul

RT: 21.090 min Scan# 4071

Delta R.T. 0.002 min

Lab File: BM046573.D

Acq: 13 Jul 2024 09:00

Instrument :

BNA_M

ClientSampleId :

A4CC5MSD

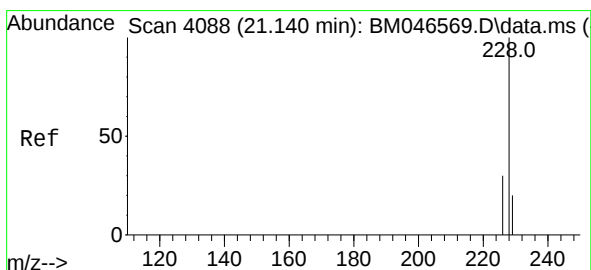
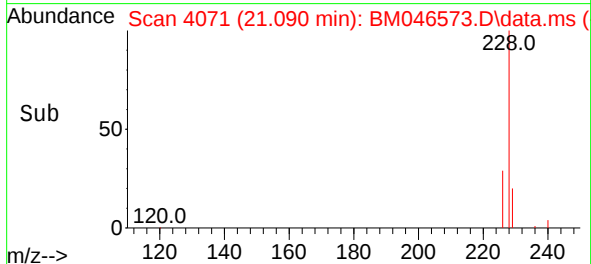
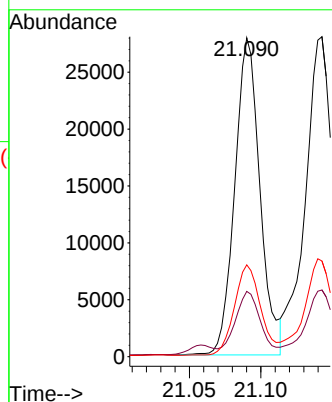
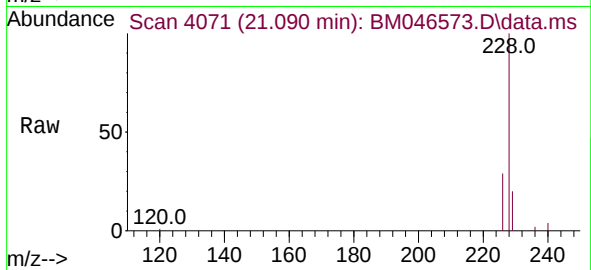
Tgt Ion:228 Resp: 34246

Ion Ratio Lower Upper

228 100

229 20.5 16.5 24.7

226 28.8 22.5 33.7



#22

Chrysene

Concen: 0.907 ng/ul

RT: 21.143 min Scan# 4089

Delta R.T. 0.002 min

Lab File: BM046573.D

Acq: 13 Jul 2024 09:00

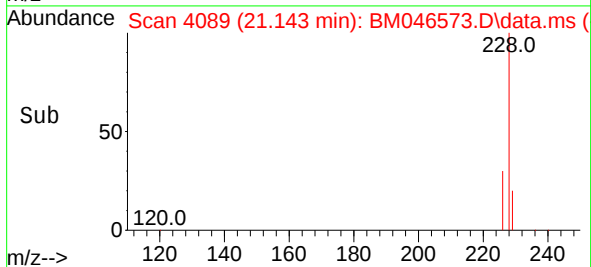
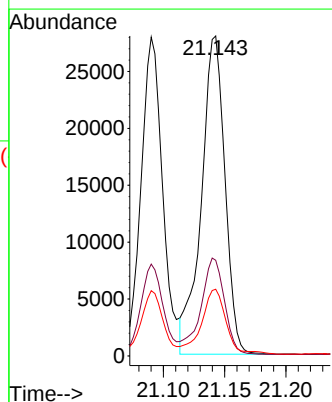
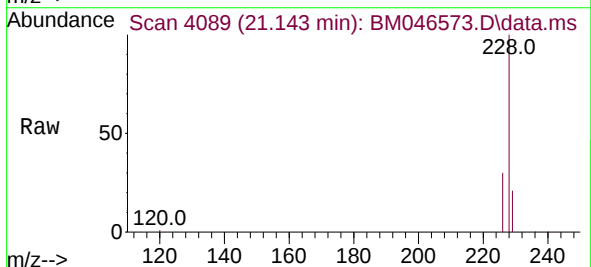
Tgt Ion:228 Resp: 37544

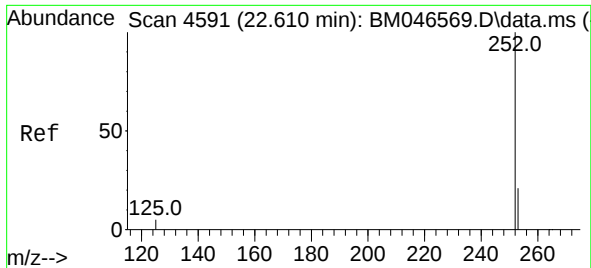
Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

229 20.8 16.4 24.6

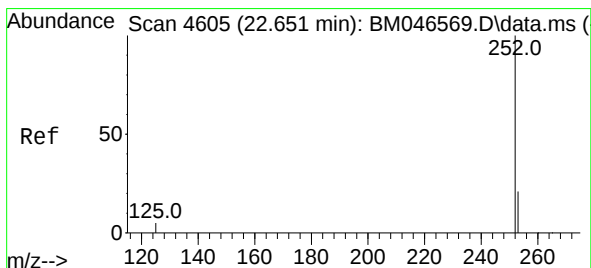
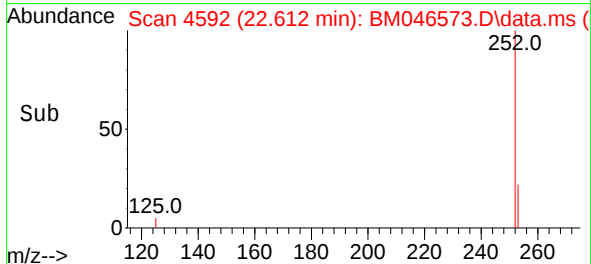
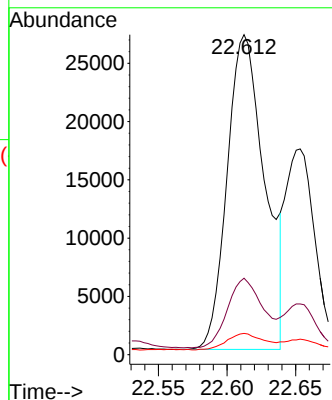
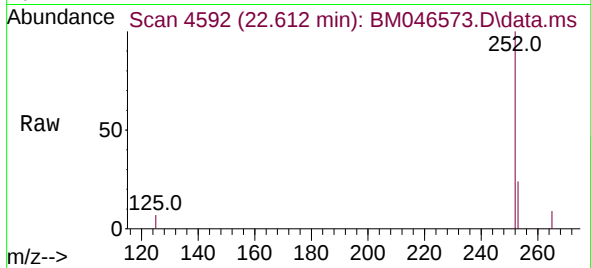




#24
Benzo(b)fluoranthene
Concen: 1.103 ng/ul
RT: 22.612 min Scan# 4592
Delta R.T. 0.002 min
Lab File: BM046573.D
Acq: 13 Jul 2024 09:00

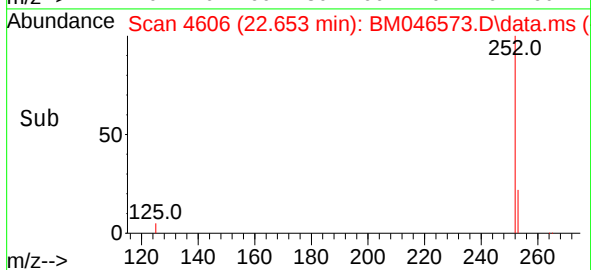
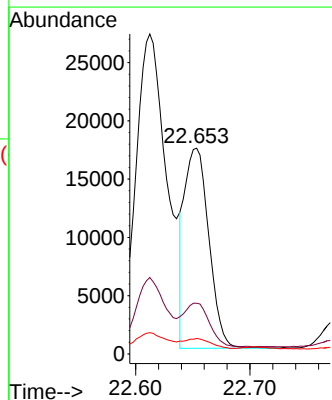
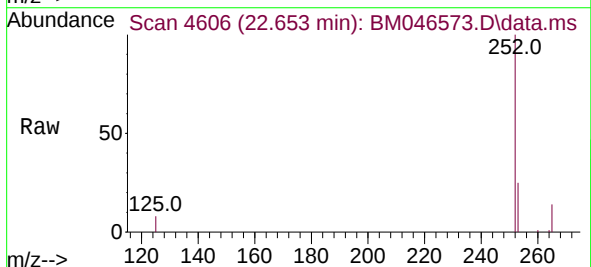
Instrument :
BNA_M
ClientSampleId :
A4CC5MSD

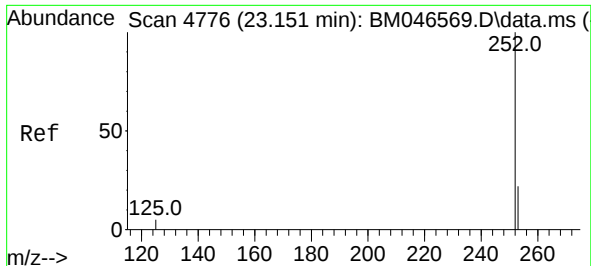
Tgt Ion:252 Resp: 51431
Ion Ratio Lower Upper
252 100
253 23.9 0.0 56.2
125 6.7 0.0 17.8



#25
Benzo(k)fluoranthene
Concen: 0.552 ng/ul
RT: 22.653 min Scan# 4606
Delta R.T. 0.002 min
Lab File: BM046573.D
Acq: 13 Jul 2024 09:00

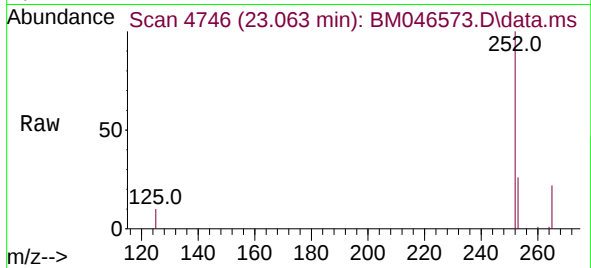
Tgt Ion:252 Resp: 25282
Ion Ratio Lower Upper
252 100
253 24.6 22.4 33.6
125 7.6 7.0 10.4



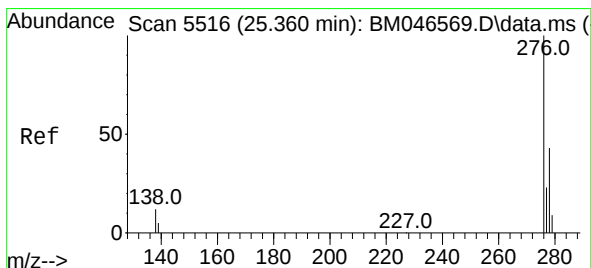
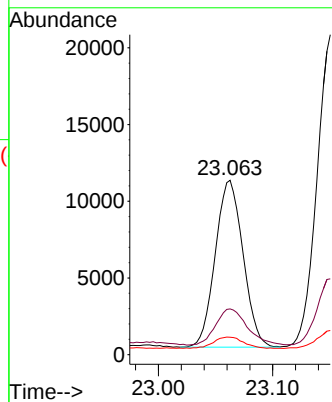
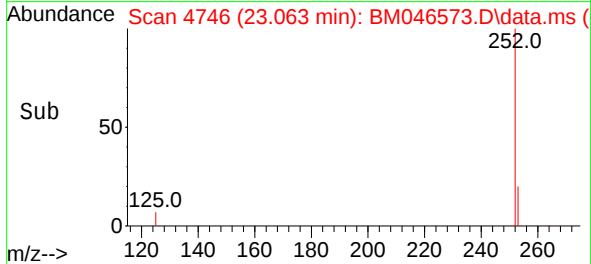


#26
Benzo(a)pyrene
Concen: 0.479 ng/ul
RT: 23.063 min Scan# 4746
Delta R.T. -0.088 min
Lab File: BM046573.D
Acq: 13 Jul 2024 09:00

Instrument :
BNA_M
ClientSampleId :
A4CC5MSD

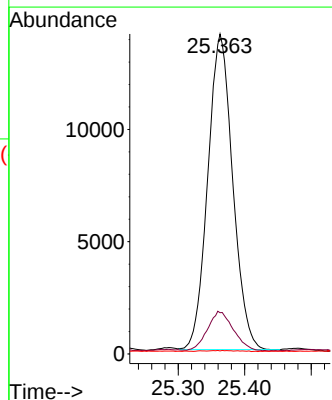
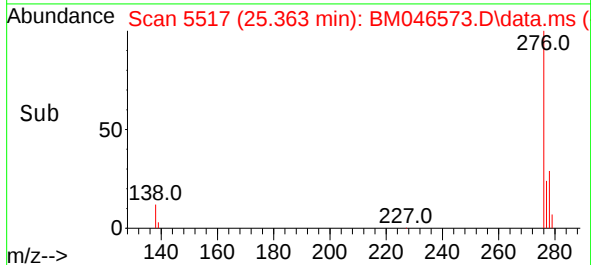
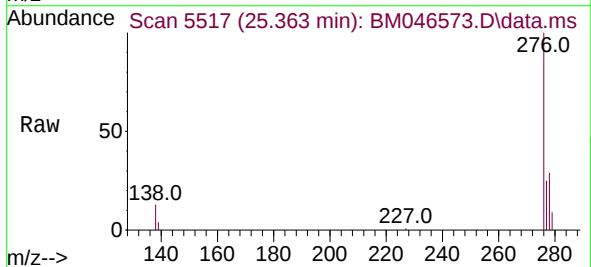


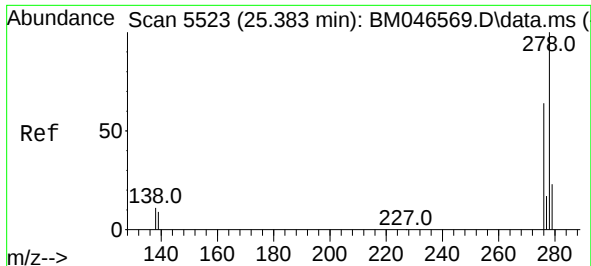
Tgt Ion:252 Resp: 18389
Ion Ratio Lower Upper
252 100
253 26.2 24.0 36.0
125 10.0 8.2 12.2



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.626 ng/ul
RT: 25.363 min Scan# 5517
Delta R.T. 0.003 min
Lab File: BM046573.D
Acq: 13 Jul 2024 09:00

Tgt Ion:276 Resp: 36572
Ion Ratio Lower Upper
276 100
138 13.1 0.0 0.0#
227 0.2 0.2 0.2

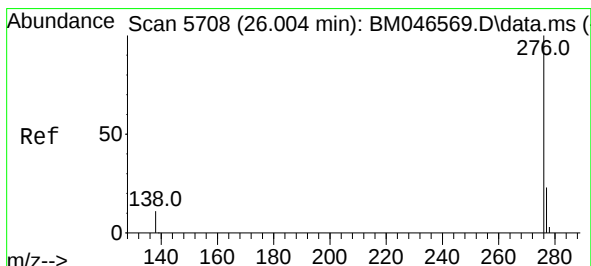
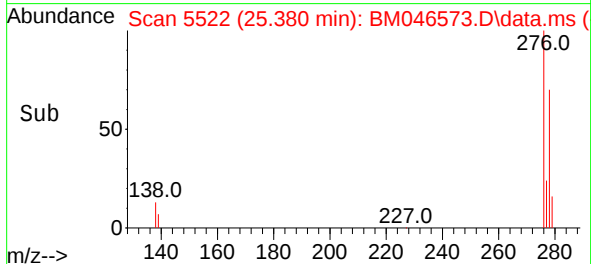
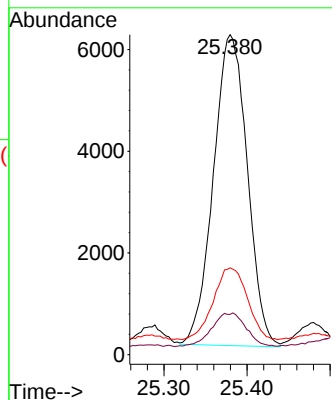
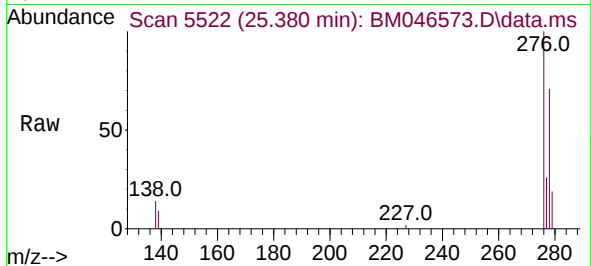




#28
 Dibenzo(a,h)anthracene
 Concen: 0.376 ng/ul
 RT: 25.380 min Scan# 51
 Delta R.T. -0.004 min
 Lab File: BM046573.D
 Acq: 13 Jul 2024 09:00

Instrument :
 BNA_M
 ClientSampleId :
 A4CC5MSD

Tgt Ion:278 Resp: 17378
 Ion Ratio Lower Upper
 278 100
 139 12.6 9.1 13.7
 279 27.1 23.2 34.8



#29
 Benzo(g,h,i)perylene
 Concen: 0.718 ng/ul
 RT: 26.007 min Scan# 5709
 Delta R.T. 0.003 min
 Lab File: BM046573.D
 Acq: 13 Jul 2024 09:00

Tgt Ion:276 Resp: 33455
 Ion Ratio Lower Upper
 276 100
 138 13.1 10.2 15.4
 277 24.5 20.9 31.3

