

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042224\
 Data File : BM045501.D
 Acq On : 23 Apr 2024 04:29
 Operator : MA/JU
 Sample : P2037-24
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E1CX9

Quant Time: Apr 23 08:33:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 02:57:45 2024
 Response via : Initial Calibration

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

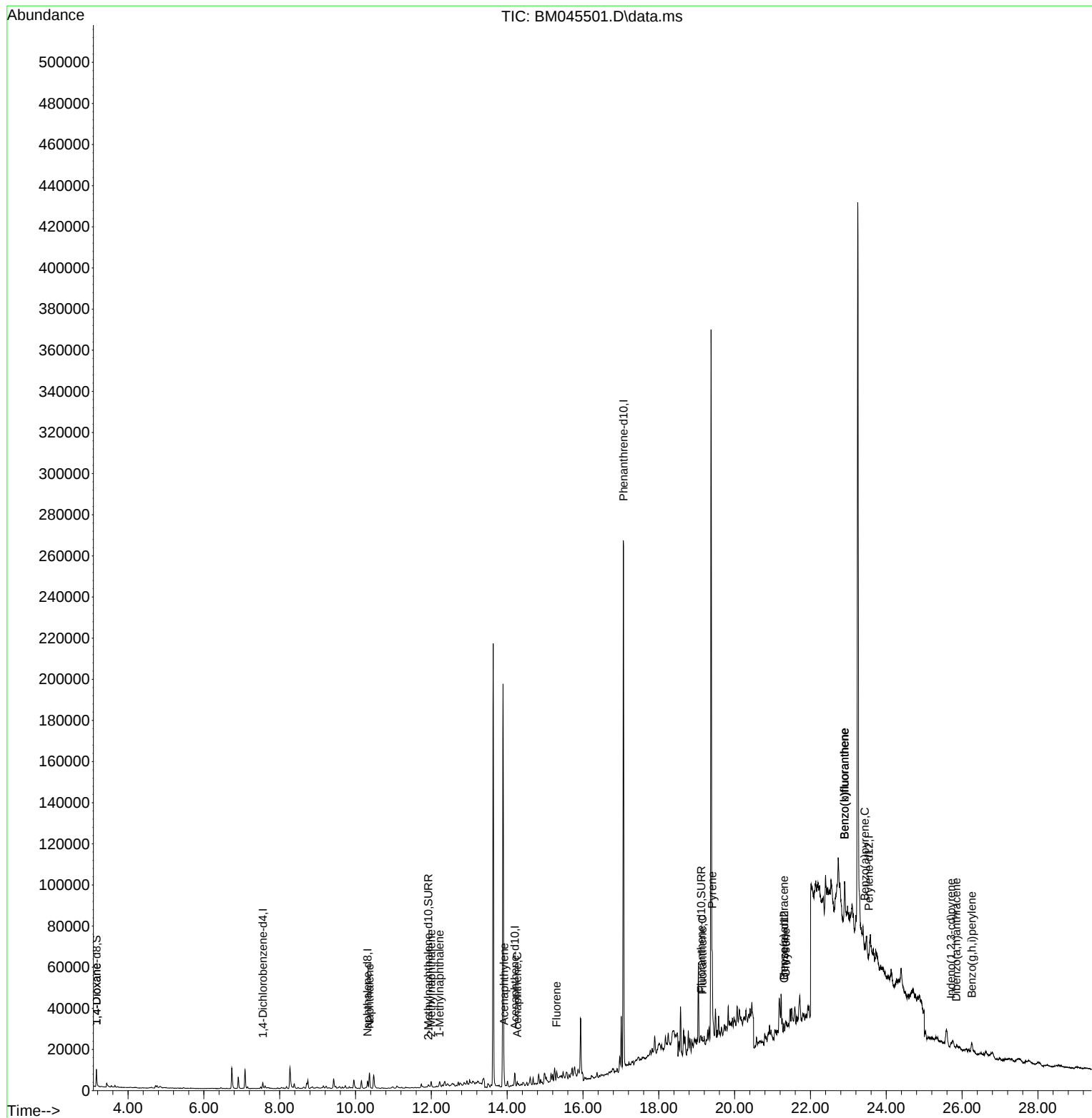
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.555	152	1572	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.319	136	4865	0.400	ng/ul	#-0.05
9) Acenaphthene-d10	14.206	164	2979	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.069	188	285353	0.400	ng/ul	# 0.06
17) Chrysene-d12	21.309	240	395	0.400	ng/ul	# 0.09
23) Perylene-d12	23.542	264	46	0.400	ng/ul	# 0.13
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.167	96	5909	2.804	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.920	152	1739	0.271	ng/ul	-0.06
18) Fluoranthene-d10	19.118	212	3139	2.524	ng/ul	0.08
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.167	88	59	0.029	ng/ul#	1
5) Naphthalene	10.369	128	10122	0.775	ng/ul#	88
7) 2-Methylnaphthalene	11.997	142	2225	0.298	ng/ul	99
8) 1-Methylnaphthalene	12.217	142	1800	0.215	ng/ul	97
10) Acenaphthylene	13.919	152	2283	0.155	ng/ul#	30
11) Acenaphthene	14.266	153	1217	0.112	ng/ul#	83
12) Fluorene	15.307	166	460	0.039	ng/ul#	1
19) Fluoranthene	19.151	202	1261	0.692	ng/ul#	47
20) Pyrene	19.411	202	37797	20.173	ng/ul	99
21) Benzo(a)anthracene	21.303	228	402	0.318	ng/ul#	1
22) Chrysene	21.344	228	1469	0.757	ng/ul#	1
24) Benzo(b)fluoranthene	22.902	252	4217	27.253	ng/ul#	1
25) Benzo(k)fluoranthene	22.902	252	4982	25.483	ng/ul#	1
26) Benzo(a)pyrene	23.437	252	5431	33.842	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.711	276	153	0.656	ng/ul#	1
28) Dibenzo(a,h)anthracene	25.852	278	1535	8.298	ng/ul#	1
29) Benzo(g,h,i)perylene	26.255	276	8441	40.275	ng/ul#	1

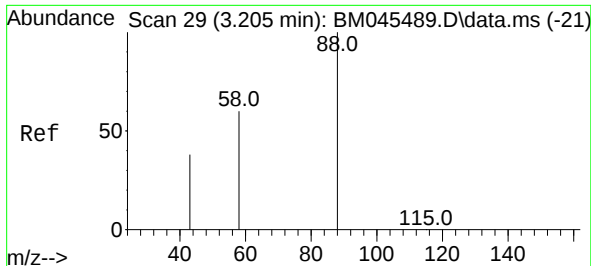
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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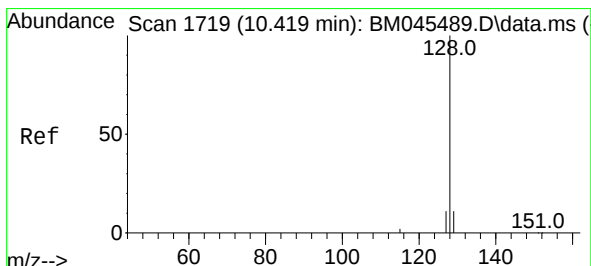
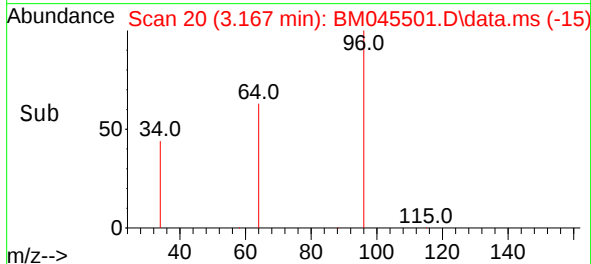
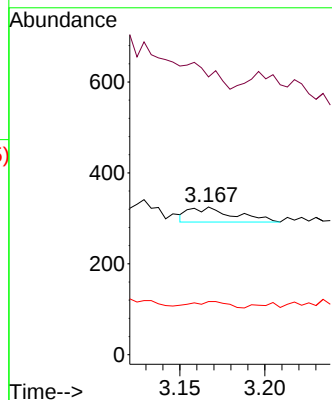
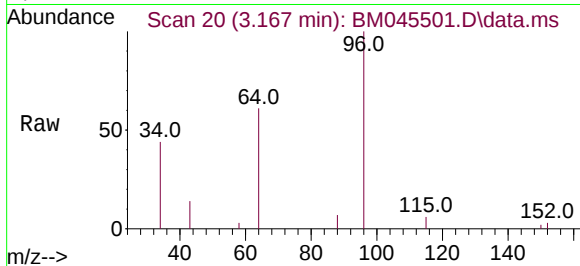




#2
1,4-Dioxane
Concen: 0.029 ng/ul
RT: 3.167 min Scan# 20
Delta R.T. -0.038 min
Lab File: BM045501.D
Acq: 23 Apr 2024 04:29

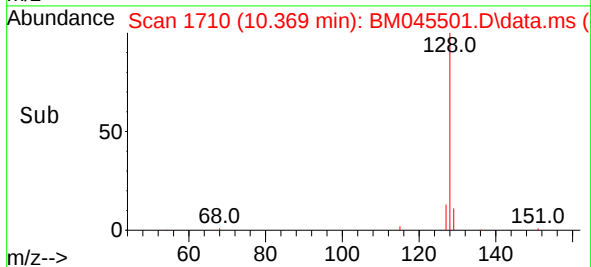
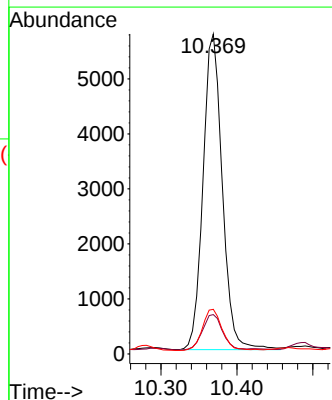
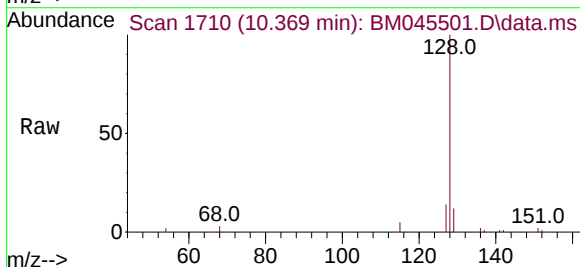
Instrument :
BNA_M
ClientSampleId :
E1CX9

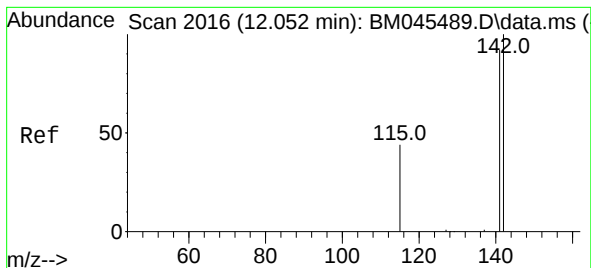
Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 188.0 36.8 55.2#
58 36.0 35.4 53.2



#5
Naphthalene
Concen: 0.775 ng/ul
RT: 10.369 min Scan# 1710
Delta R.T. -0.050 min
Lab File: BM045501.D
Acq: 23 Apr 2024 04:29

Tgt Ion:128 Resp: 10122
Ion Ratio Lower Upper
128 100
129 12.3 14.0 21.0#
127 14.0 15.4 23.2#

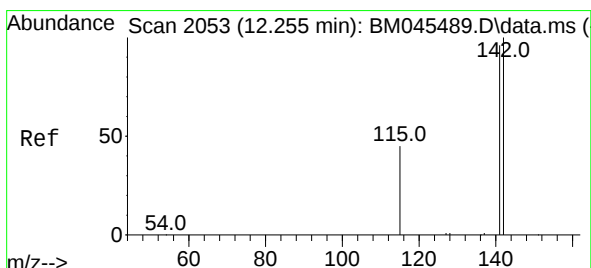
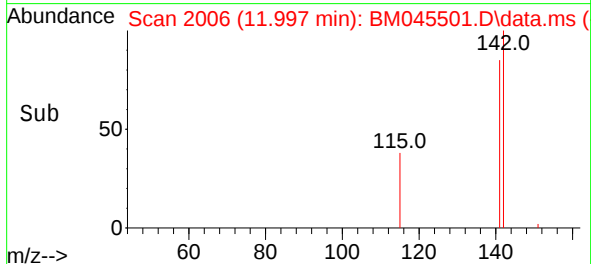
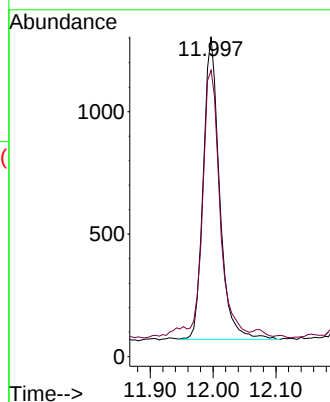
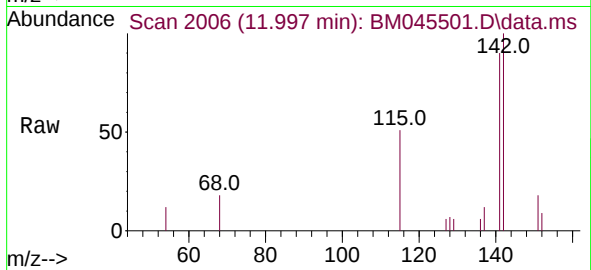




#7
2-Methylnaphthalene
Concen: 0.298 ng/ul
RT: 11.997 min Scan# 2006
Delta R.T. -0.055 min
Lab File: BM045501.D
Acq: 23 Apr 2024 04:29

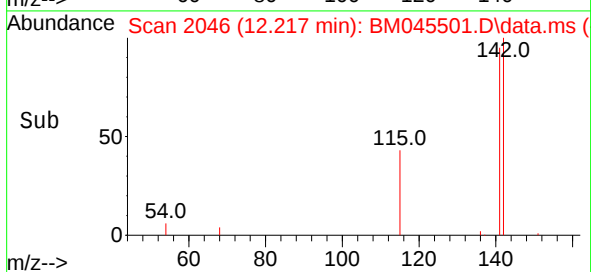
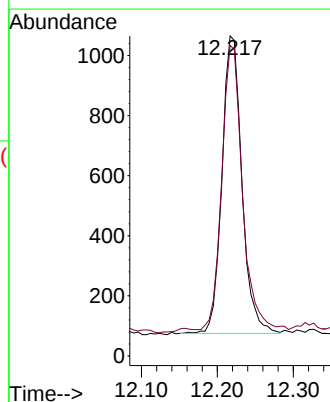
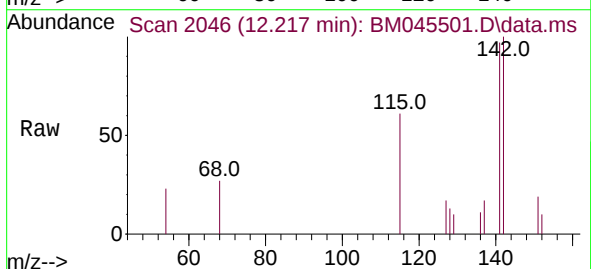
Instrument :
BNA_M
ClientSampleId :
E1CX9

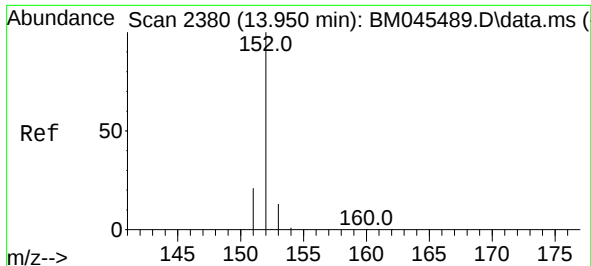
Tgt Ion:142 Resp: 2225
Ion Ratio Lower Upper
142 100
141 94.4 74.6 111.8



#8
1-Methylnaphthalene
Concen: 0.215 ng/ul
RT: 12.217 min Scan# 2046
Delta R.T. -0.039 min
Lab File: BM045501.D
Acq: 23 Apr 2024 04:29

Tgt Ion:142 Resp: 1800
Ion Ratio Lower Upper
142 100
141 97.9 76.1 114.1





#10

Acenaphthylene

Concen: 0.155 ng/ul

RT: 13.919 min Scan# 24

Delta R.T. -0.032 min

Lab File: BM045501.D

Acq: 23 Apr 2024 04:29

Instrument :

BNA_M

ClientSampleId :

E1CX9

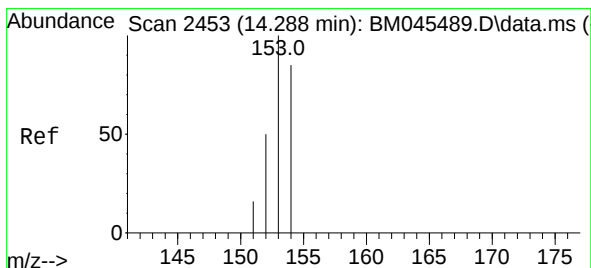
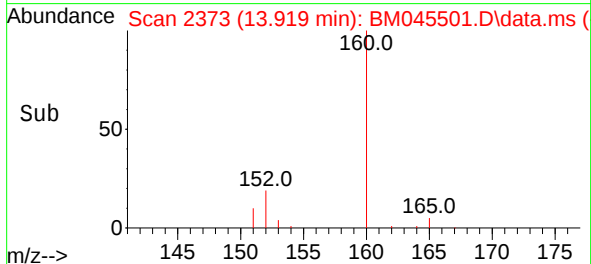
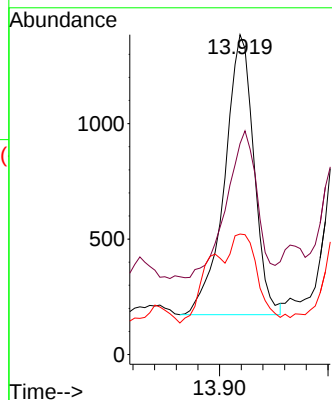
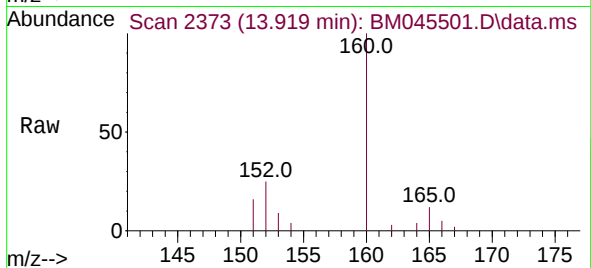
Tgt Ion:152 Resp: 2283

Ion Ratio Lower Upper

152 100

151 65.9 18.6 28.0#

153 37.7 14.1 21.1#



#11

Acenaphthene

Concen: 0.112 ng/ul

RT: 14.266 min Scan# 2448

Delta R.T. -0.022 min

Lab File: BM045501.D

Acq: 23 Apr 2024 04:29

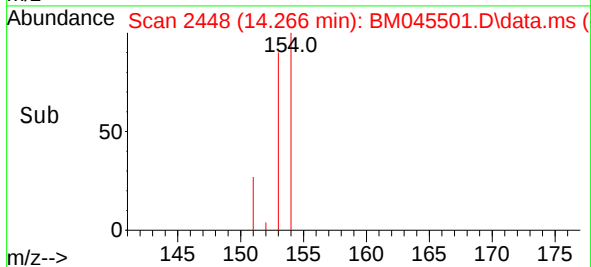
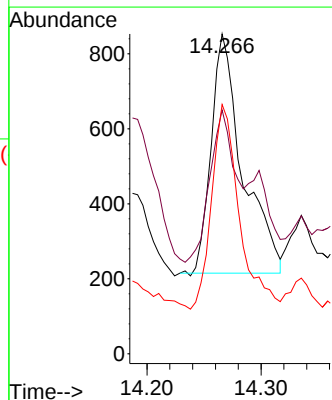
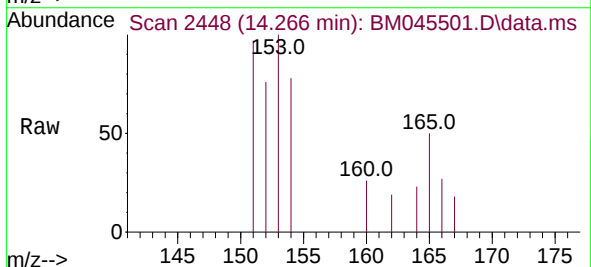
Tgt Ion:153 Resp: 1217

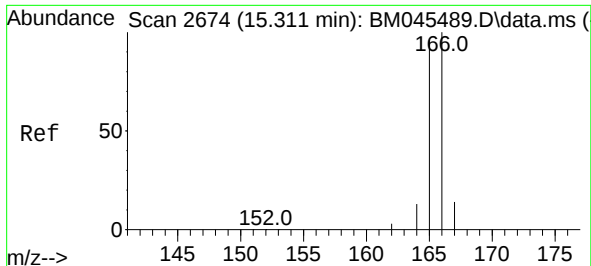
Ion Ratio Lower Upper

153 100

152 76.2 43.4 65.2#

154 78.0 69.0 103.6





#12

Fluorene

Concen: 0.039 ng/ul

RT: 15.307 min Scan# 2

Delta R.T. -0.004 min

Lab File: BM045501.D

Acq: 23 Apr 2024 04:29

Instrument :

BNA_M

ClientSampleId :

E1CX9

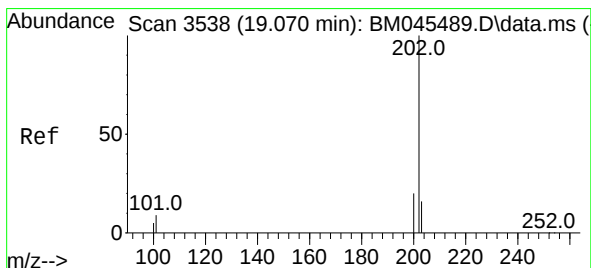
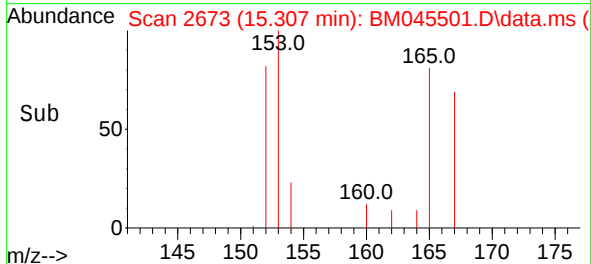
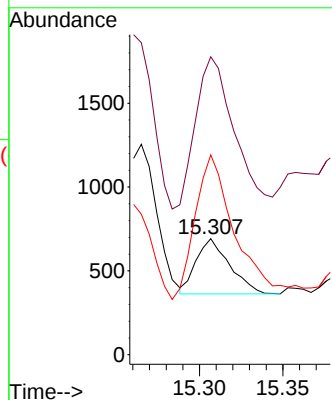
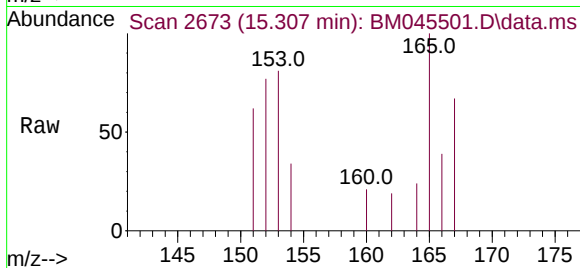
Tgt Ion:166 Resp: 460

Ion Ratio Lower Upper

166 100

165 256.8 82.2 123.2#

167 172.3 14.8 22.2#



#19

Fluoranthene

Concen: 0.692 ng/ul

RT: 19.151 min Scan# 3555

Delta R.T. 0.080 min

Lab File: BM045501.D

Acq: 23 Apr 2024 04:29

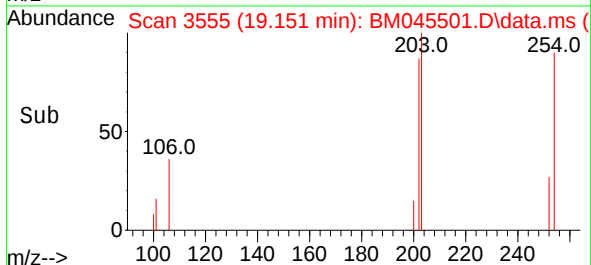
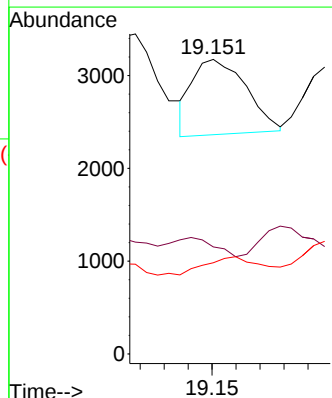
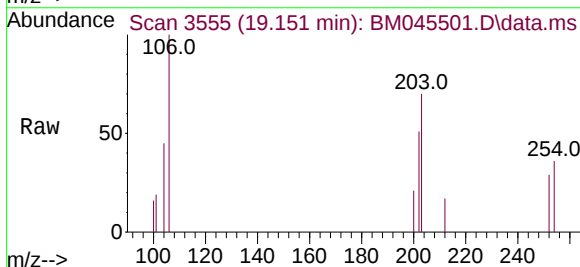
Tgt Ion:202 Resp: 1261

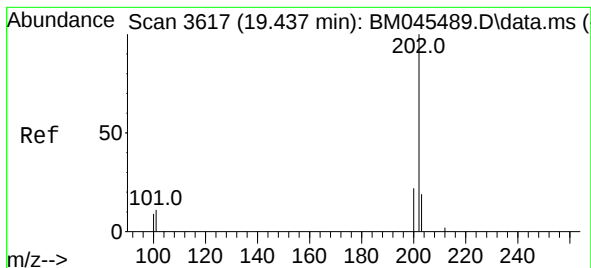
Ion Ratio Lower Upper

202 100

101 36.3 11.2 16.8#

100 31.0 9.1 13.7#





#20

Pyrene

Concen: 20.173 ng/ul

RT: 19.411 min Scan# 3

Delta R.T. -0.027 min

Lab File: BM045501.D

Acq: 23 Apr 2024 04:29

Instrument :

BNA_M

ClientSampleId :

E1CX9

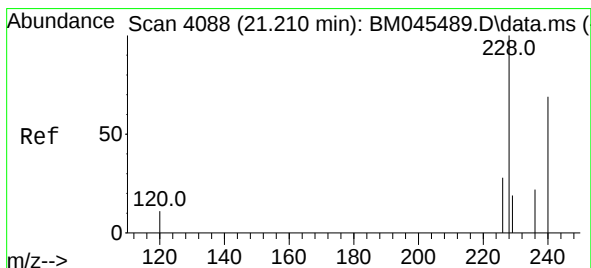
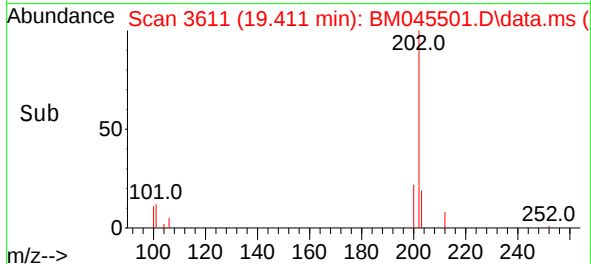
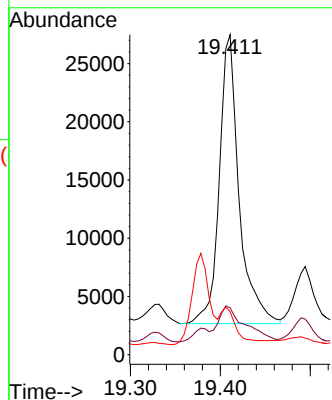
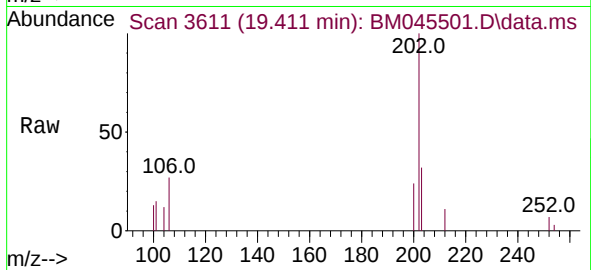
Tgt Ion:202 Resp: 37797

Ion Ratio Lower Upper

202 100

101 14.6 11.5 17.3

100 13.4 10.6 15.8



#21

Benzo(a)anthracene

Concen: 0.318 ng/ul

RT: 21.303 min Scan# 4120

Delta R.T. 0.093 min

Lab File: BM045501.D

Acq: 23 Apr 2024 04:29

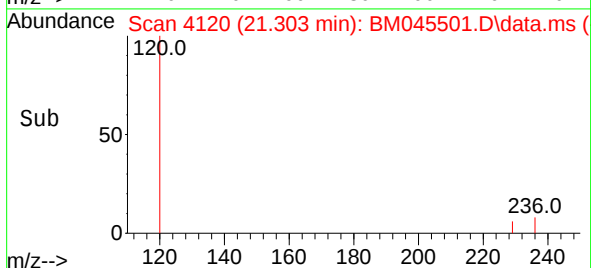
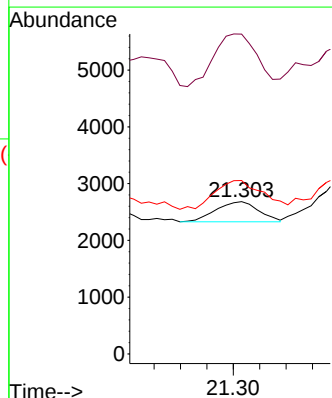
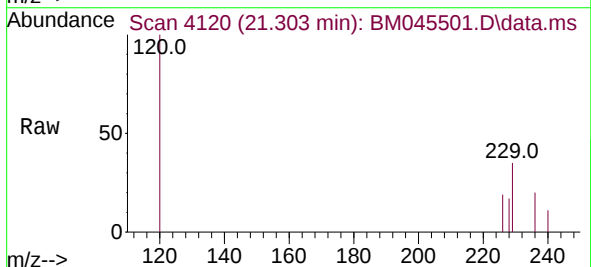
Tgt Ion:228 Resp: 402

Ion Ratio Lower Upper

228 100

229 209.9 19.4 29.2#

226 113.8 26.3 39.5#





Chrysene

Concen: 0.757 ng/ul

RT: 21.344 min Scan# 41

Delta R.T. 0.096 min

Lab File: BM045501.D

Acq: 23 Apr 2024 04:29

Instrument :

BNA M

ClientSampleId :

E1CX9

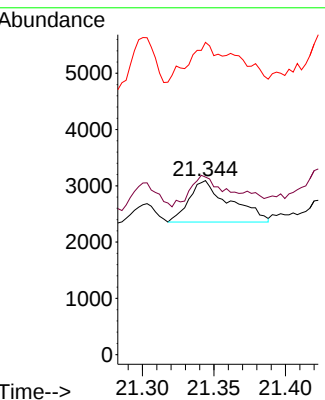
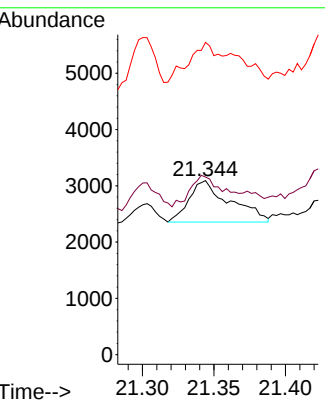
Tgt Ion:228 Resp: 1469

Ion	Ratio	Lower	Upper
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228 100

226 102.0 26.3 39.5#

229 179.5 17.8 26.8#



Benzo(b)fluoranthene

Concen: 27.253 ng/ul

RT: 22.902 min Scan# 4667

Delta R.T. 0.149 min

Lab File: BM045501.D

Acq: 23 Apr 2024 04:29

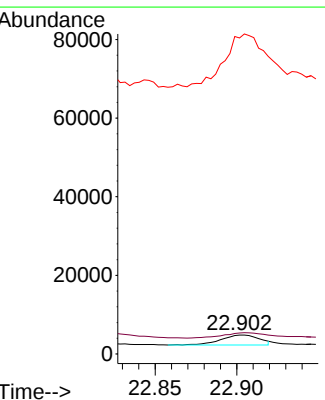
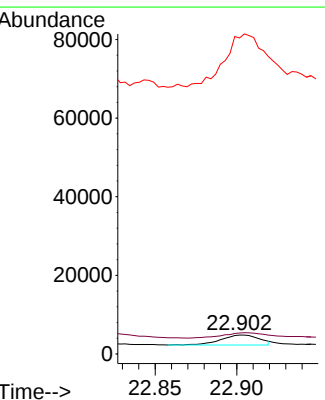
Tgt Ion:252 Resp: 4217

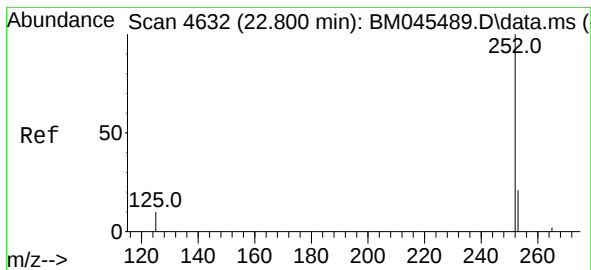
Ion	Ratio	Lower	Upper
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252 100

253 111.5 0.0 63.4#

```
125 1674.7 0.0 36.8#
```





#25

Benzo(k)fluoranthene

Concen: 25.483 ng/ul

RT: 22.902 min Scan# 4

Delta R.T. 0.102 min

Lab File: BM045501.D

Acq: 23 Apr 2024 04:29

Instrument :

BNA_M

ClientSampleId :

E1CX9

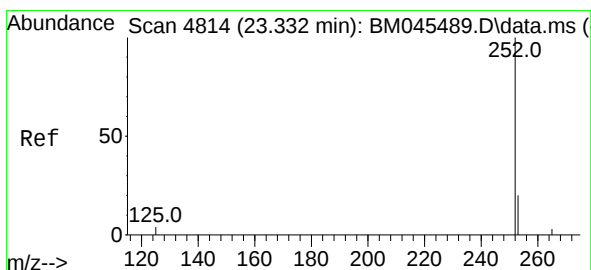
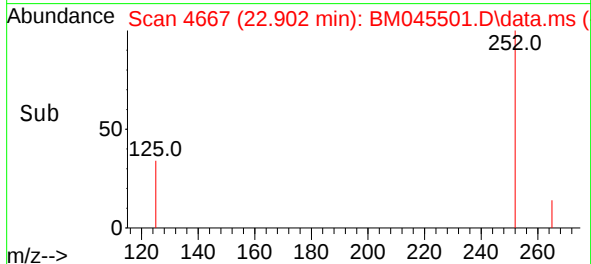
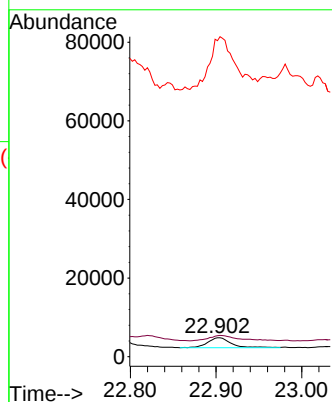
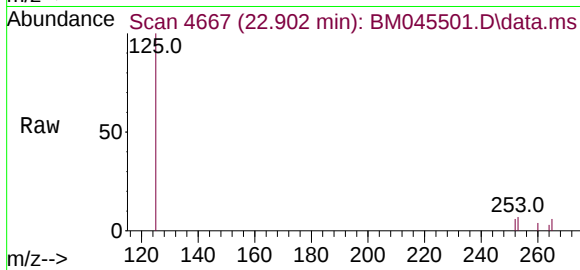
Tgt Ion:252 Resp: 4982

Ion Ratio Lower Upper

252 100

253 111.5 25.4 38.0#

125 1674.7 14.8 22.2#



#26

Benzo(a)pyrene

Concen: 33.842 ng/ul

RT: 23.437 min Scan# 4850

Delta R.T. 0.105 min

Lab File: BM045501.D

Acq: 23 Apr 2024 04:29

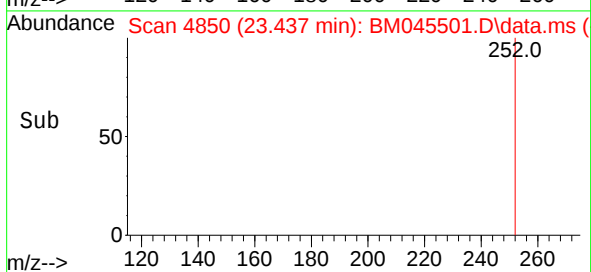
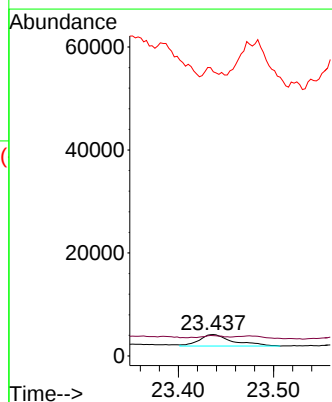
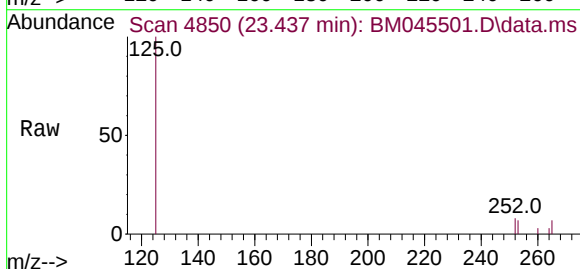
Tgt Ion:252 Resp: 5431

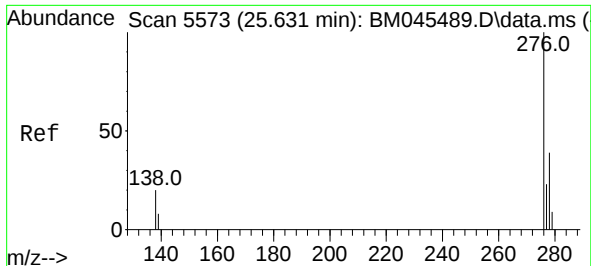
Ion Ratio Lower Upper

252 100

253 95.1 31.6 47.4#

125 1326.5 19.5 29.3#

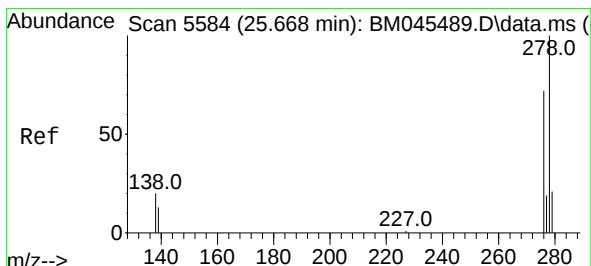
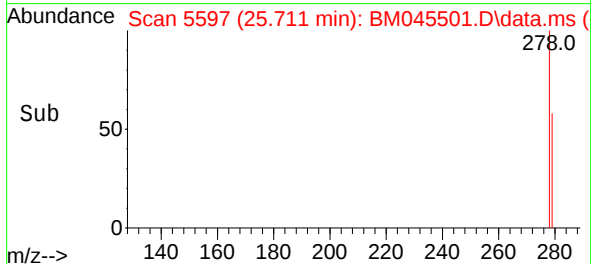
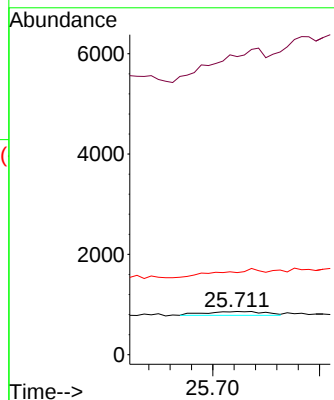
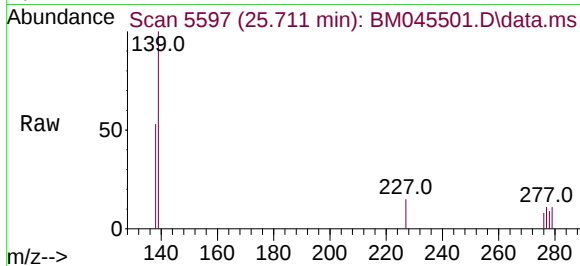




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.656 ng/ul
RT: 25.711 min Scan# 51
Delta R.T. 0.080 min
Lab File: BM045501.D
Acq: 23 Apr 2024 04:29

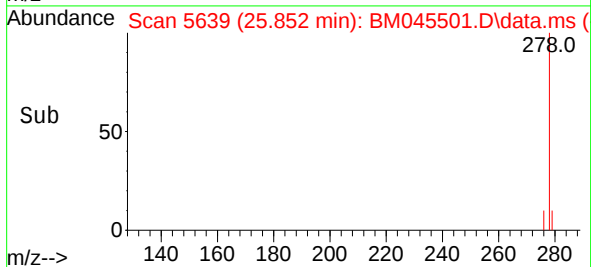
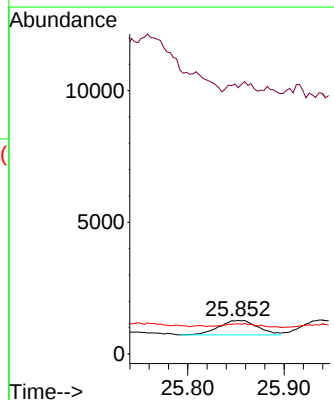
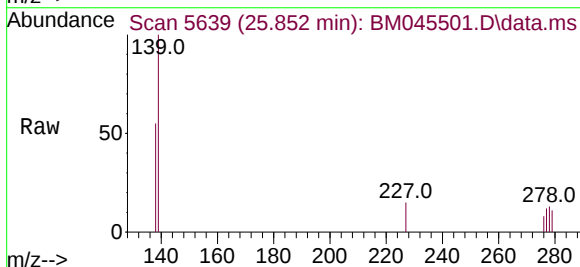
Instrument :
BNA_M
ClientSampleId :
E1CX9

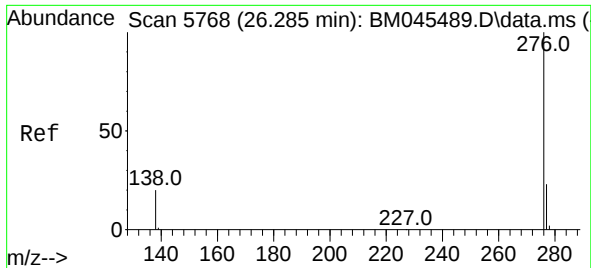
Tgt Ion:276 Resp: 153
Ion Ratio Lower Upper
276 100
138 788.2 19.8 29.6#
227 0.0 0.2 0.2#



#28
Dibenzo(a,h)anthracene
Concen: 8.298 ng/ul
RT: 25.852 min Scan# 5639
Delta R.T. 0.184 min
Lab File: BM045501.D
Acq: 23 Apr 2024 04:29

Tgt Ion:278 Resp: 1535
Ion Ratio Lower Upper
278 100
139 794.6 19.0 28.6#
279 90.5 29.4 44.2#





#29

Benzo(g,h,i)perylene

Concen: 40.275 ng/ul

RT: 26.255 min Scan# 51

Delta R.T. -0.031 min

Lab File: BM045501.D

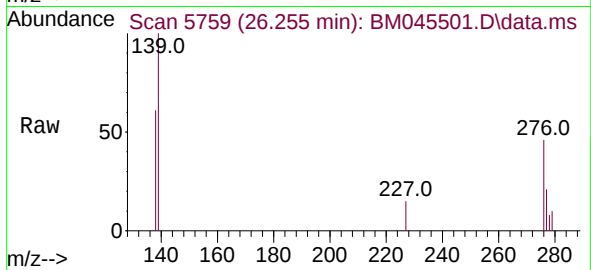
Acq: 23 Apr 2024 04:29

Instrument :

BNA_M

ClientSampleId :

E1CX9



Tgt Ion:276 Resp: 8441

Ion Ratio Lower Upper

276 100

138 132.1 20.8 31.2#

277 46.1 21.8 32.8#

