

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045915.D
 Acq On : 08 Jun 2024 14:27
 Operator : MA/JU
 Sample : M2640-12
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C26

Quant Time: Jun 10 01:28:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 07 22:59:16 2024
 Response via : Initial Calibration

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

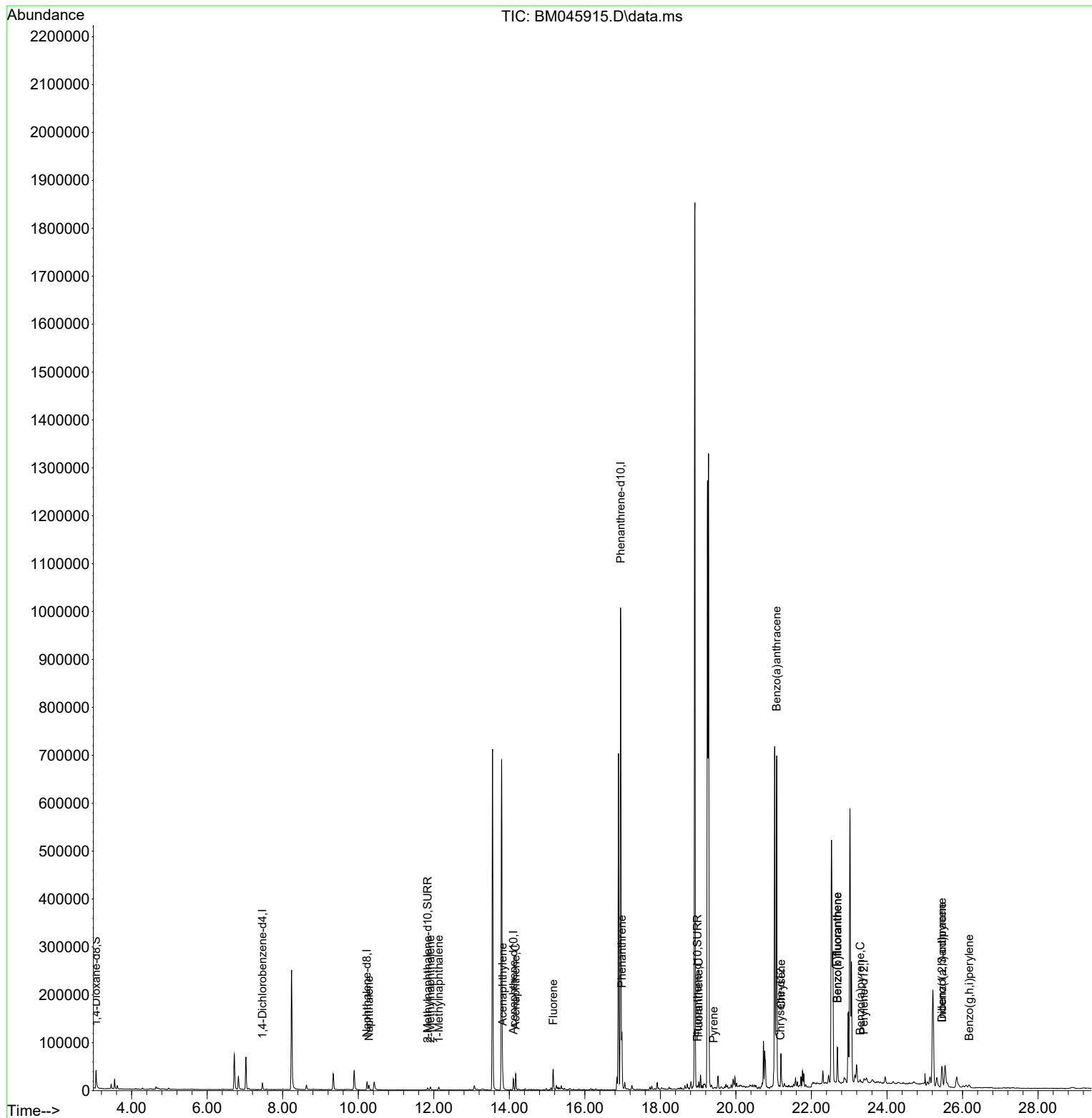
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.464	152	6565	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.231	136	22280	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.108	164	12151	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.946	188	1095233	0.400	ng/ul	0.08
17) Chrysene-d12	21.175	240	407	0.400	ng/ul	# 0.12
23) Perylene-d12	23.388	264	3477	0.400	ng/ul	# 0.22
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.059	96	23298	3.116	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.837	152	6709	0.209	ng/ul	-0.01
18) Fluoranthene-d10	18.982	212	225	0.185	ng/ul	0.09
Target Compounds						Qvalue
5) Naphthalene	10.281	128	13147	0.226	ng/ul	98
7) 2-Methylnaphthalene	11.914	142	5066	0.136	ng/ul	99
8) 1-Methylnaphthalene	12.134	142	4538	0.112	ng/ul	100
10) Acenaphthylene	13.825	152	32877	0.595	ng/ul	99
11) Acenaphthene	14.168	153	19490	0.480	ng/ul	99
12) Fluorene	15.162	166	27453	0.605	ng/ul	98
15) Phenanthrene	16.980	178	114533	0.037	ng/ul	98
19) Fluoranthene	19.015	202	2294	1.413	ng/ul#	68
20) Pyrene	19.414	202	725	0.428	ng/ul#	55
21) Benzo(a)anthracene	21.079	228	533957	357.414	ng/ul	95
22) Chrysene	21.193	228	52830	32.482	ng/ul#	61
24) Benzo(b)fluoranthene	22.686	252	88241	7.652	ng/ul	98
25) Benzo(k)fluoranthene	22.686	252	88035	6.946	ng/ul	98
26) Benzo(a)pyrene	23.291	252	2202	0.192	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.457	276	14847	1.001	ng/ul#	54
28) Dibenzo(a,h)anthracene	25.457	278	56390	4.757	ng/ul	98
29) Benzo(g,h,i)perylene	26.175	276	8356	0.653	ng/ul#	24

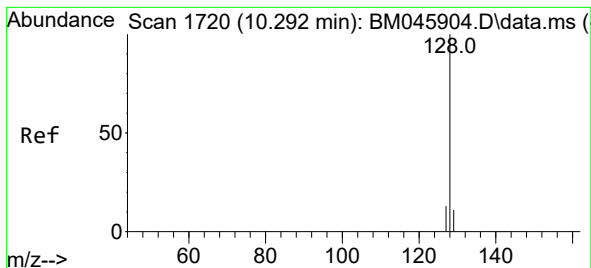
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.226 ng/ul

RT: 10.281 min Scan# 1718

Delta R.T. -0.022 min

Lab File: BM045915.D

Acq: 08 Jun 2024 14:27

Instrument :

BNA_M

ClientSampleId :

A4C26

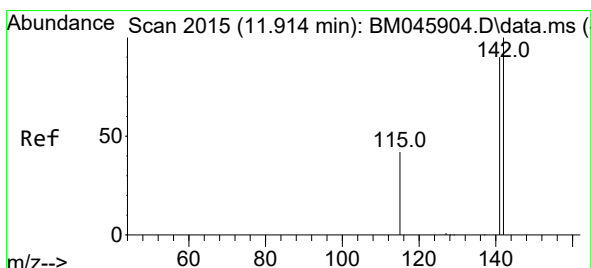
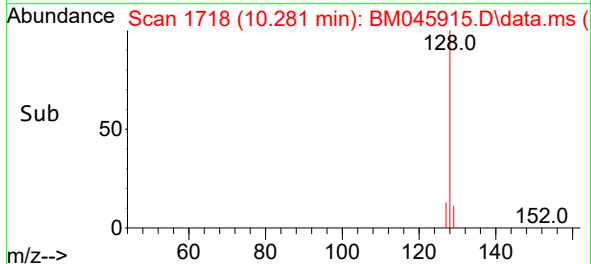
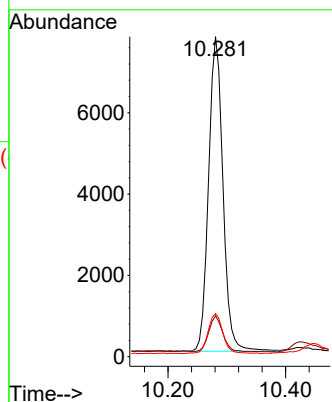
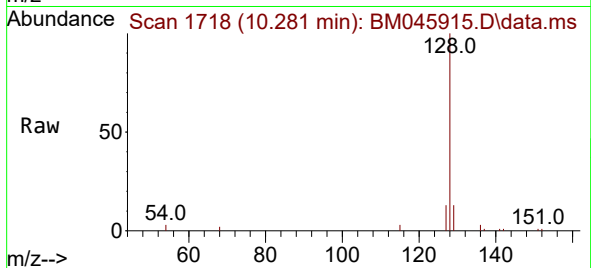
Tgt Ion:128 Resp: 13147

Ion Ratio Lower Upper

128 100

129 12.8 9.4 14.0

127 13.4 10.6 15.8



#7

2-Methylnaphthalene

Concen: 0.136 ng/ul

RT: 11.914 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BM045915.D

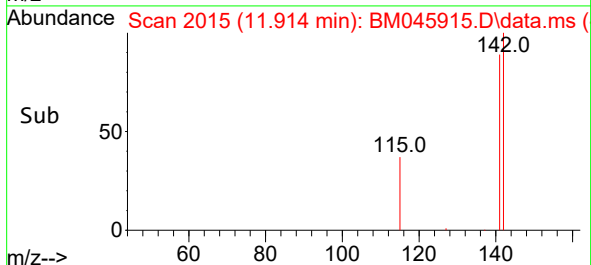
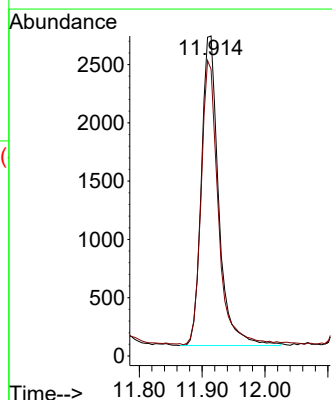
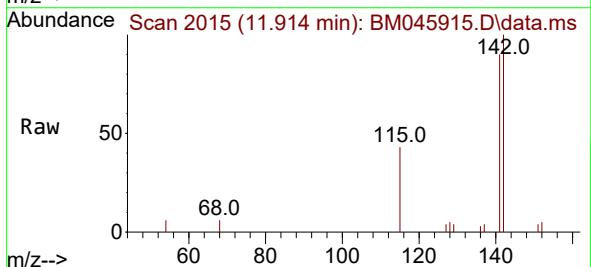
Acq: 08 Jun 2024 14:27

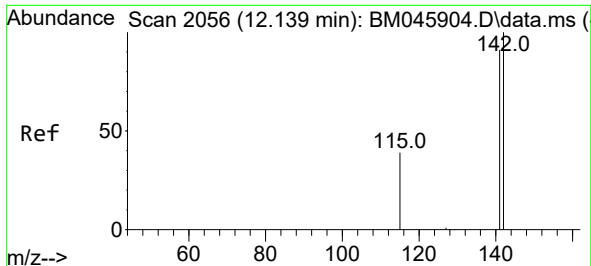
Tgt Ion:142 Resp: 5066

Ion Ratio Lower Upper

142 100

141 91.1 72.2 108.4

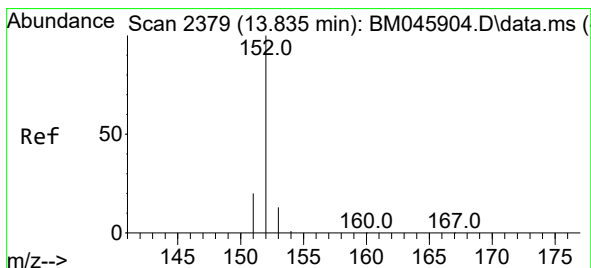
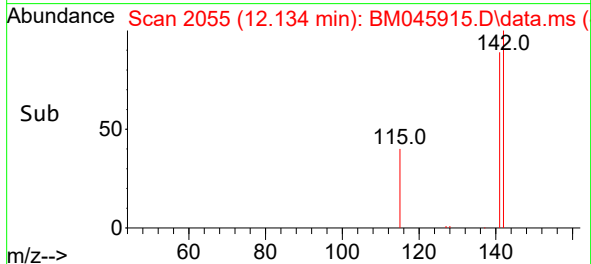
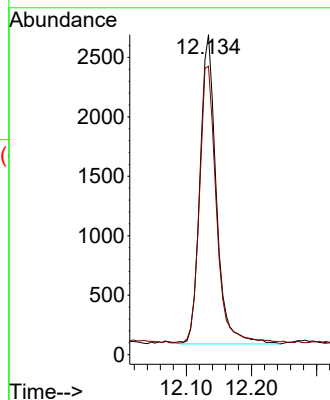
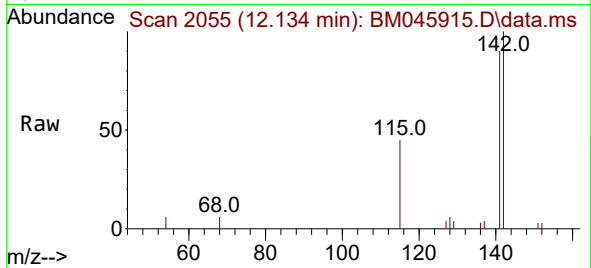




#8
1-Methylnaphthalene
Concen: 0.112 ng/ul
RT: 12.134 min Scan# 2056
Delta R.T. -0.011 min
Lab File: BM045915.D
Acq: 08 Jun 2024 14:27

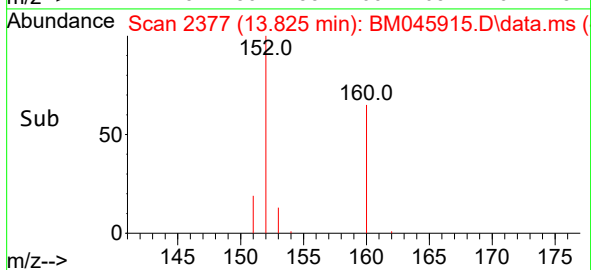
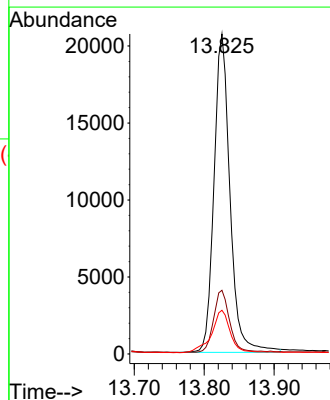
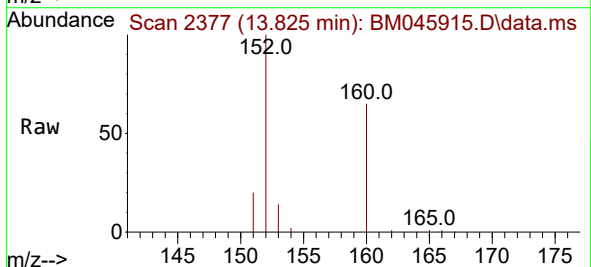
Instrument :
BNA_M
ClientSampleId :
A4C26

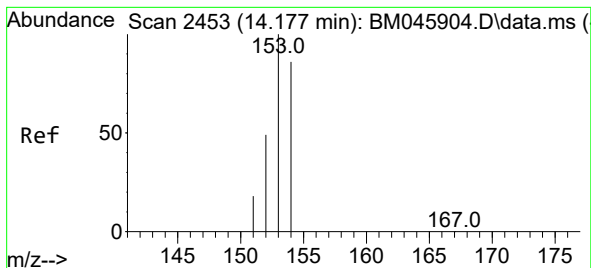
Tgt Ion:142 Resp: 4538
Ion Ratio Lower Upper
142 100
141 91.7 73.5 110.3



#10
Acenaphthylene
Concen: 0.595 ng/ul
RT: 13.825 min Scan# 2377
Delta R.T. -0.014 min
Lab File: BM045915.D
Acq: 08 Jun 2024 14:27

Tgt Ion:152 Resp: 32877
Ion Ratio Lower Upper
152 100
151 19.9 16.4 24.6
153 13.7 11.1 16.7





#11

Acenaphthene

Concen: 0.480 ng/ul

RT: 14.168 min Scan# 2451

Delta R.T. -0.014 min

Lab File: BM045915.D

Acq: 08 Jun 2024 14:27

Instrument :

BNA_M

ClientSampleId :

A4C26

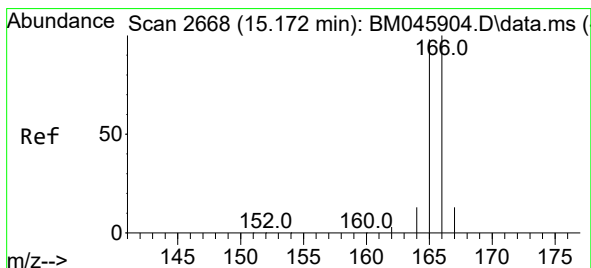
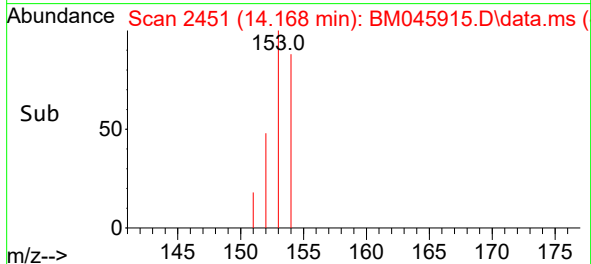
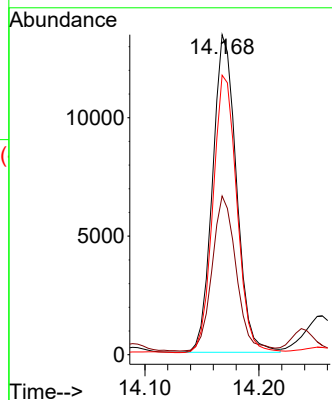
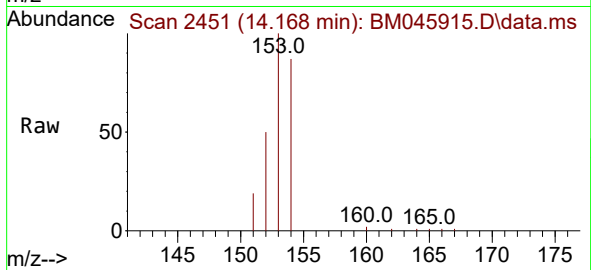
Tgt Ion:153 Resp: 19490

Ion Ratio Lower Upper

153 100

152 49.6 39.0 58.4

154 87.4 69.4 104.2



#12

Fluorene

Concen: 0.605 ng/ul

RT: 15.162 min Scan# 2666

Delta R.T. -0.014 min

Lab File: BM045915.D

Acq: 08 Jun 2024 14:27

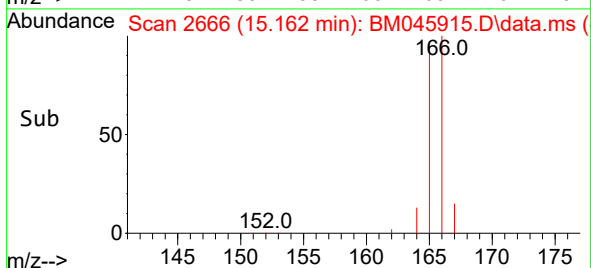
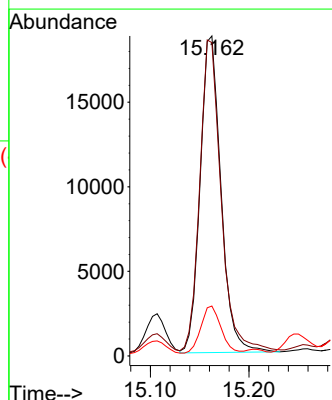
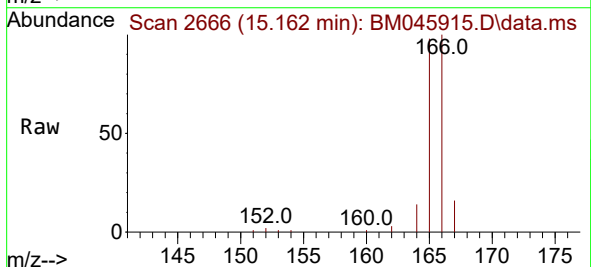
Tgt Ion:166 Resp: 27453

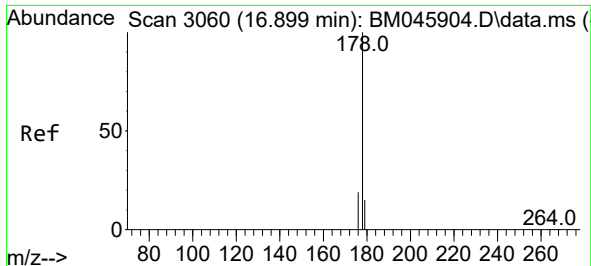
Ion Ratio Lower Upper

166 100

165 97.9 79.7 119.5

167 15.6 11.3 16.9

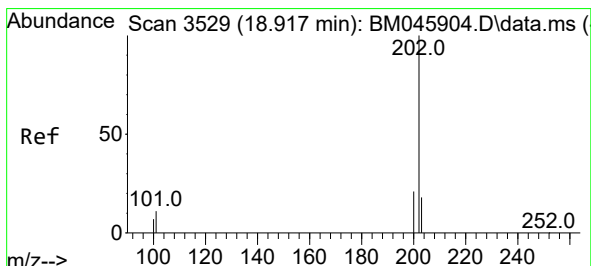
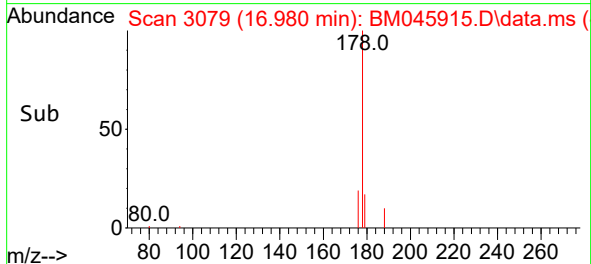
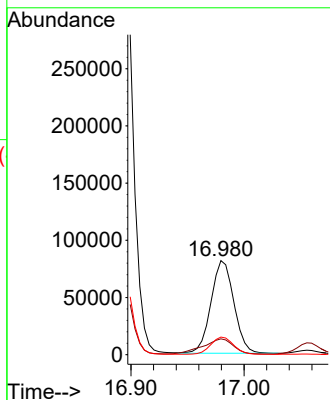
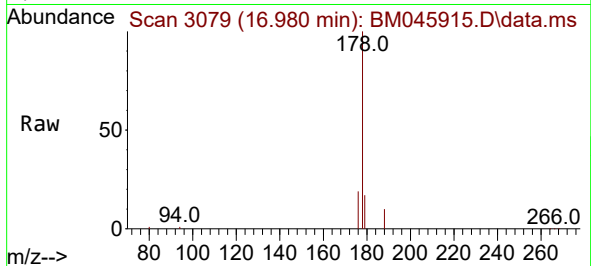




#15
Phenanthrene
Concen: 0.037 ng/ul
RT: 16.980 min Scan# 3060
Delta R.T. 0.076 min
Lab File: BM045915.D
Acq: 08 Jun 2024 14:27

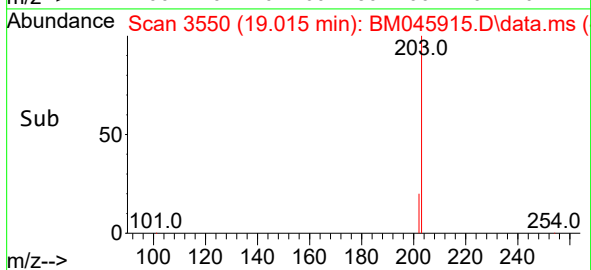
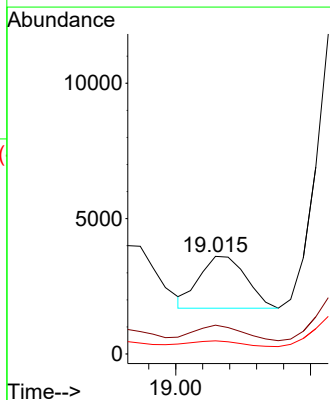
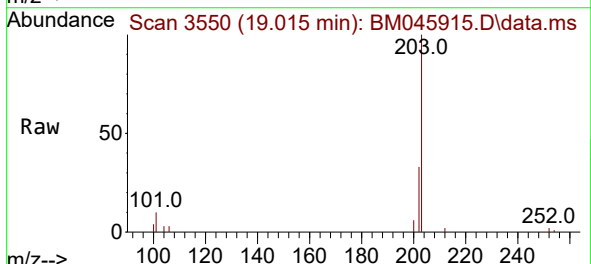
Instrument :
BNA_M
ClientSampleId :
A4C26

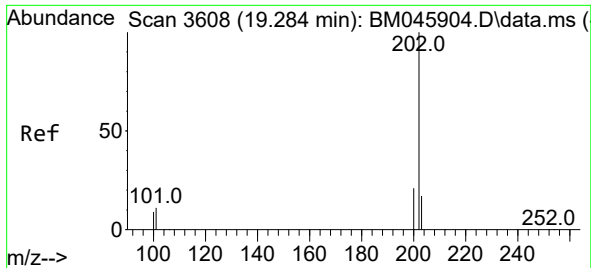
Tgt Ion:178 Resp: 114533
Ion Ratio Lower Upper
178 100
179 16.9 12.7 19.1
176 18.8 15.6 23.4



#19
Fluoranthene
Concen: 1.413 ng/ul
RT: 19.015 min Scan# 3550
Delta R.T. 0.093 min
Lab File: BM045915.D
Acq: 08 Jun 2024 14:27

Tgt Ion:202 Resp: 2294
Ion Ratio Lower Upper
202 100
101 29.5 9.0 13.6#
100 13.4 7.0 10.6#

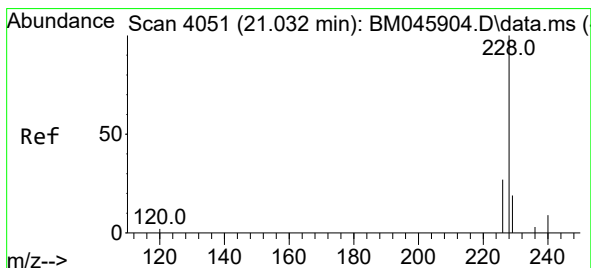
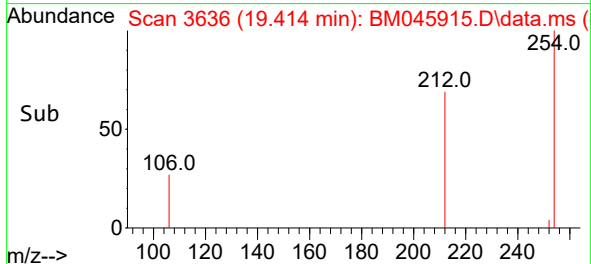
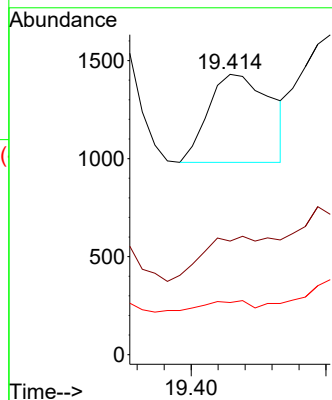
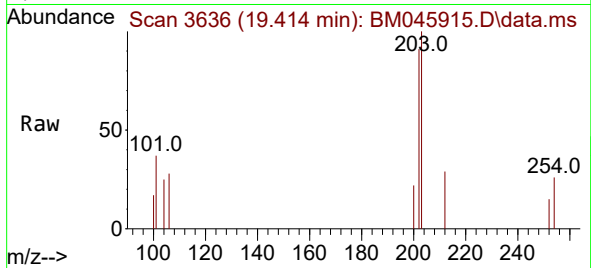




#20
Pyrene
Concen: 0.428 ng/ul
RT: 19.414 min Scan# 3636
Delta R.T. 0.130 min
Lab File: BM045915.D
Acq: 08 Jun 2024 14:27

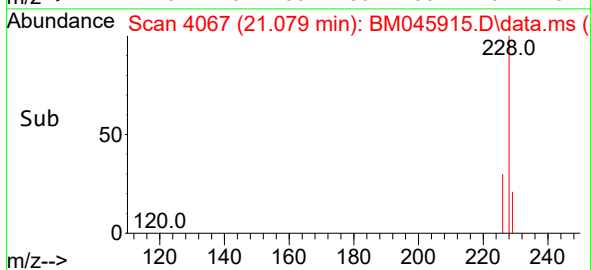
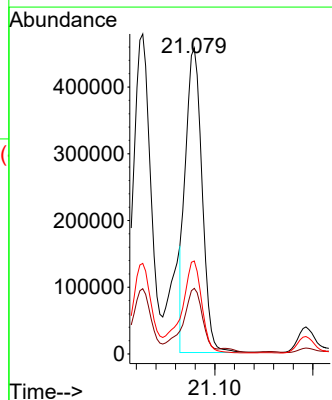
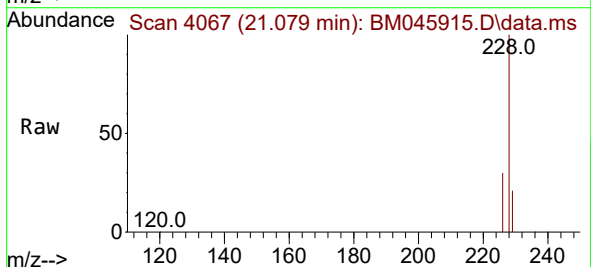
Instrument :
BNA_M
ClientSampleId :
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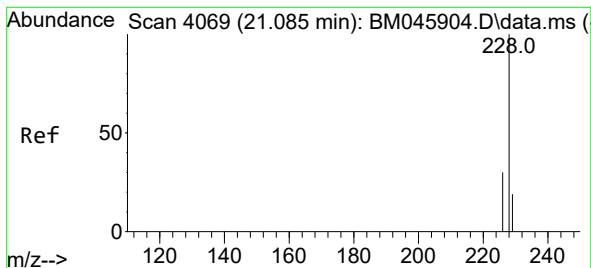
Tgt Ion:202 Resp: 725
Ion Ratio Lower Upper
202 100
101 40.5 10.6 16.0#
100 18.6 9.1 13.7#



#21
Benzo(a)anthracene
Concen: 357.414 ng/ul
RT: 21.079 min Scan# 4067
Delta R.T. 0.044 min
Lab File: BM045915.D
Acq: 08 Jun 2024 14:27

Tgt Ion:228 Resp: 533957
Ion Ratio Lower Upper
228 100
229 21.5 15.7 23.5
226 30.4 22.0 33.0





#22

Chrysene

Concen: 32.482 ng/ul

RT: 21.193 min Scan# 4106

Delta R.T. 0.105 min

Lab File: BM045915.D

Acq: 08 Jun 2024 14:27

Instrument :

BNA_M

ClientSampleId :

A4C26

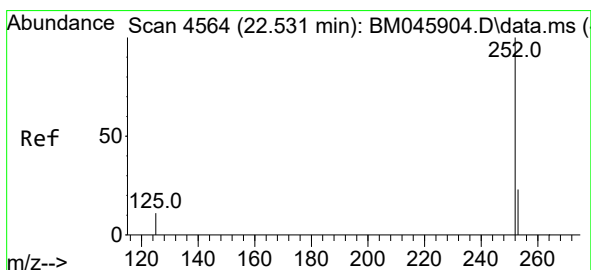
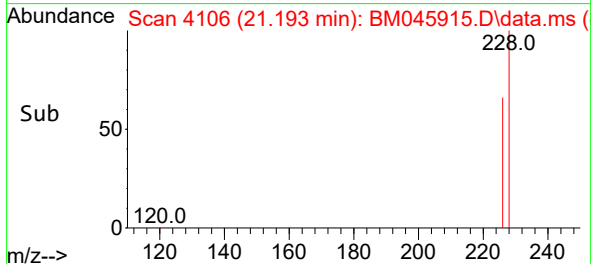
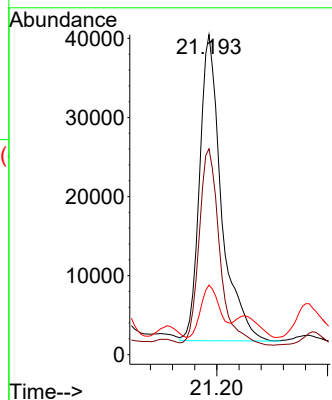
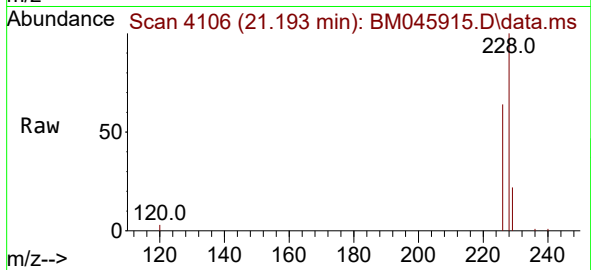
Tgt Ion:228 Resp: 52830

Ion Ratio Lower Upper

228 100

226 64.3 24.5 36.7#

229 21.7 16.2 24.2



#24

Benzo(b)fluoranthene

Concen: 7.652 ng/ul

RT: 22.686 min Scan# 4617

Delta R.T. 0.149 min

Lab File: BM045915.D

Acq: 08 Jun 2024 14:27

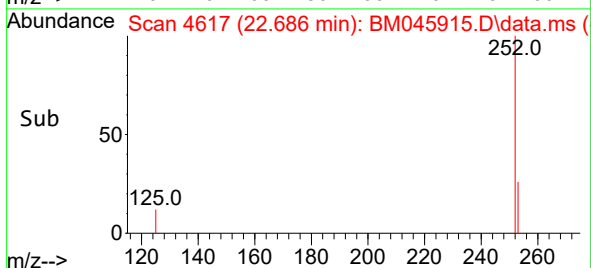
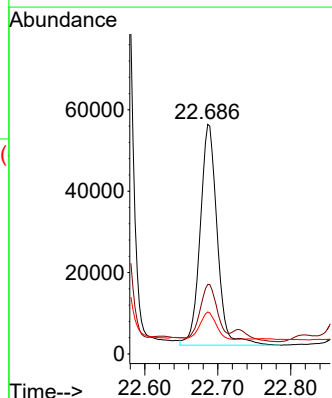
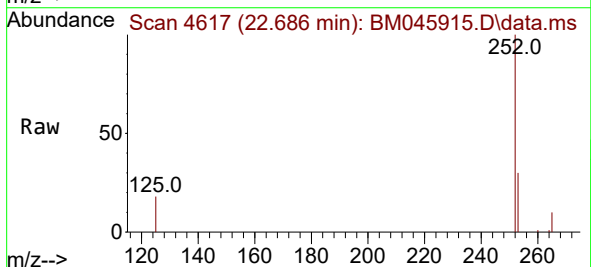
Tgt Ion:252 Resp: 88241

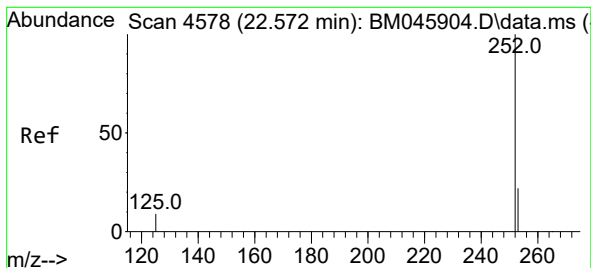
Ion Ratio Lower Upper

252 100

253 30.2 0.0 63.6

125 18.2 0.0 35.8





#25

Benzo(k)fluoranthene

Concen: 6.946 ng/ul

RT: 22.686 min Scan# 4

Delta R.T. 0.105 min

Lab File: BM045915.D

Acq: 08 Jun 2024 14:27

Instrument :

BNA_M

ClientSampleId :

A4C26

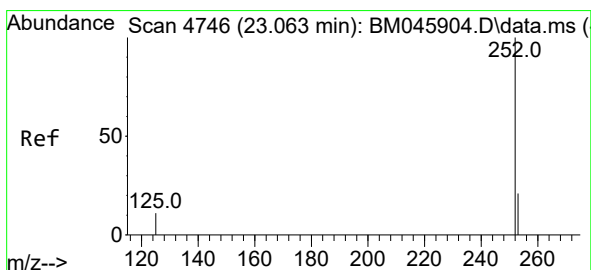
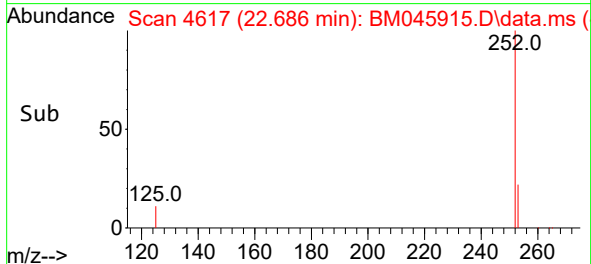
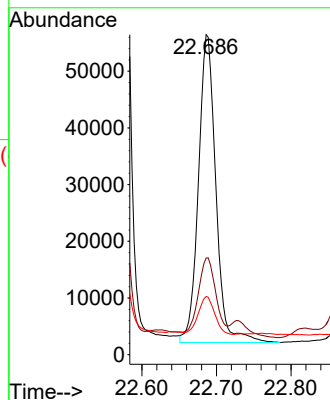
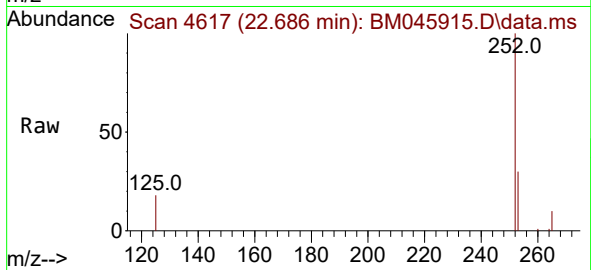
Tgt Ion:252 Resp: 88035

Ion Ratio Lower Upper

252 100

253 30.2 25.0 37.6

125 18.2 14.2 21.2



#26

Benzo(a)pyrene

Concen: 0.192 ng/ul

RT: 23.291 min Scan# 4824

Delta R.T. 0.219 min

Lab File: BM045915.D

Acq: 08 Jun 2024 14:27

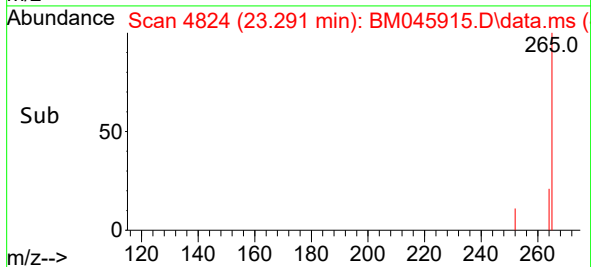
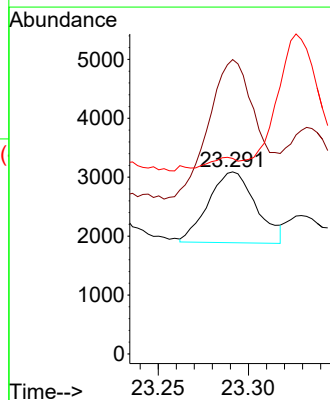
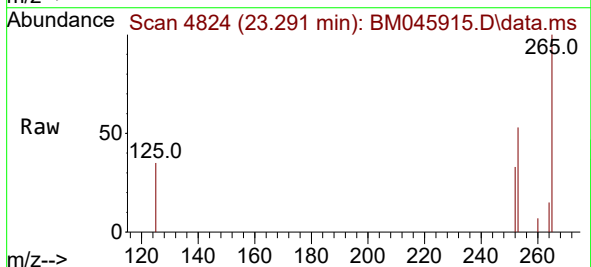
Tgt Ion:252 Resp: 2202

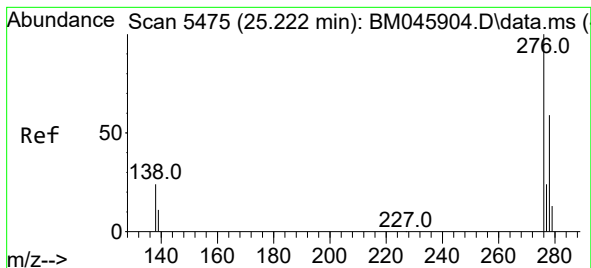
Ion Ratio Lower Upper

252 100

253 161.7 28.8 43.2#

125 107.4 17.3 25.9#





#27

Indeno(1,2,3-cd)pyrene

Concen: 1.001 ng/ul

RT: 25.457 min Scan# 5

Delta R.T. 0.225 min

Lab File: BM045915.D

Acq: 08 Jun 2024 14:27

Instrument :

BNA_M

ClientSampleId :

A4C26

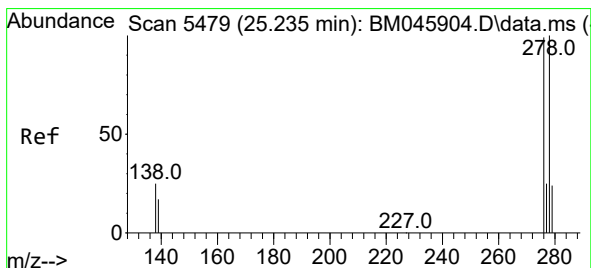
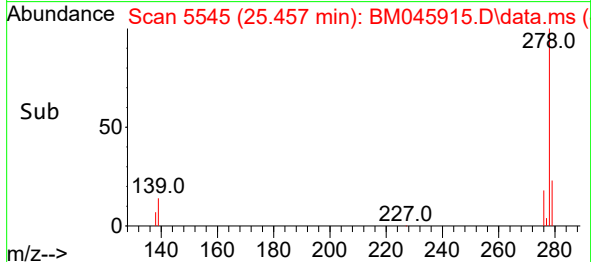
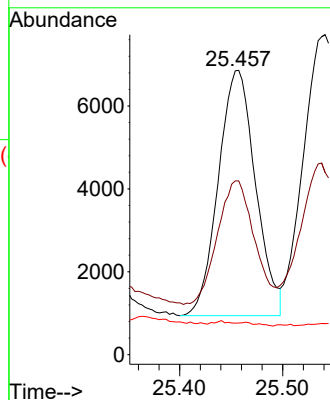
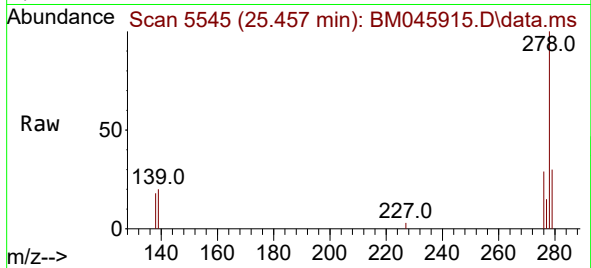
Tgt Ion:276 Resp: 14847

Ion Ratio Lower Upper

276 100

138 49.4 20.7 31.1#

227 0.5 0.2 0.2#



#28

Dibenzo(a,h)anthracene

Concen: 4.757 ng/ul

RT: 25.457 min Scan# 5545

Delta R.T. 0.208 min

Lab File: BM045915.D

Acq: 08 Jun 2024 14:27

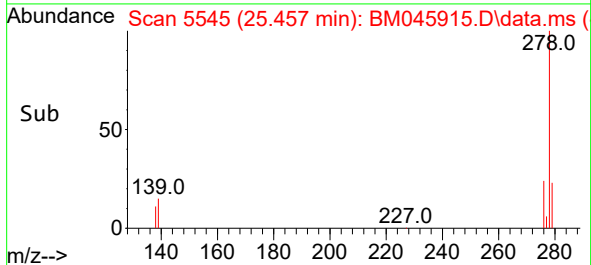
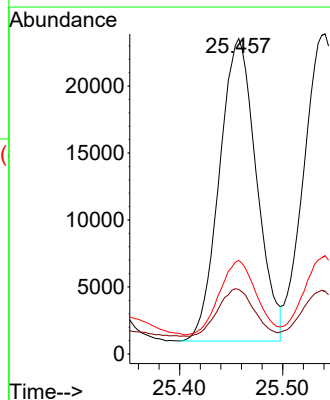
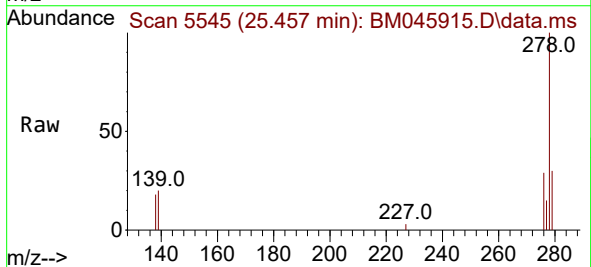
Tgt Ion:278 Resp: 56390

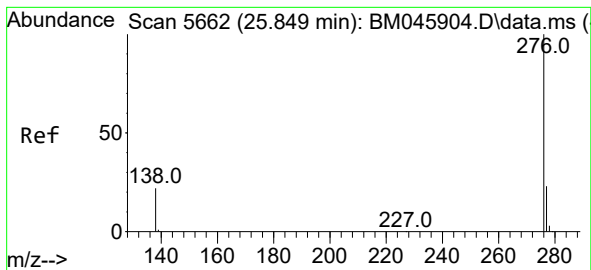
Ion Ratio Lower Upper

278 100

139 20.5 16.6 25.0

279 29.7 24.6 37.0





#29

Benzo(g,h,i)perylene

Concen: 0.653 ng/ul

RT: 26.175 min Scan# 51

Delta R.T. 0.312 min

Lab File: BM045915.D

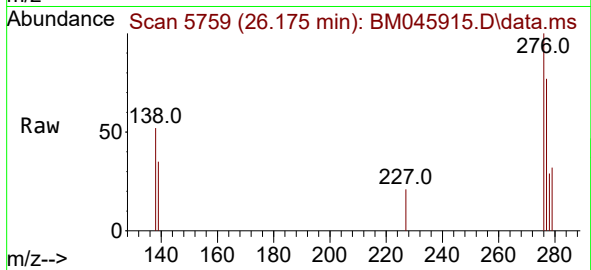
Acq: 08 Jun 2024 14:27

Instrument :

BNA_M

ClientSampleId :

A4C26



Tgt Ion:276 Resp: 8356

Ion Ratio Lower Upper

276 100

138 52.4 21.0 31.4#

277 77.4 20.5 30.7#

