

Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A52F5

Quant Time: Aug 05 08:24:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 08:19:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	891	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3609	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2163	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.14	188	216549	0.40	ng/ul	0.08
16) Chrysene-d12	21.32	240	89	0.40	ng/ul	0.08
20) Perylene-d12	23.45	264	5860	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1059	0.18	ng/ul	-0.02
14) Fluoranthene-d10	19.16	212	204	0.00	ng/ul	0.07

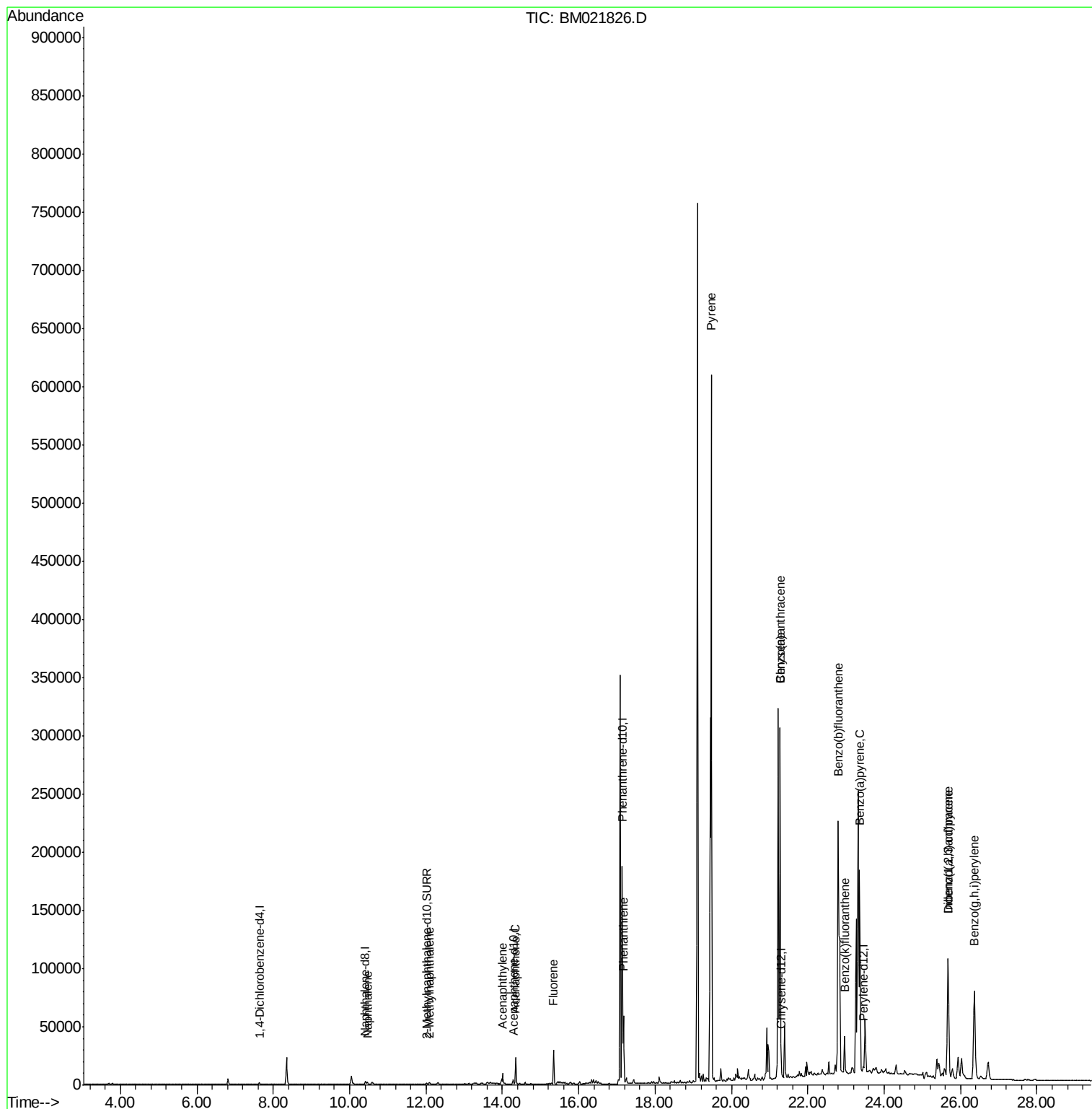
Target Compounds				Qvalue		
3) Naphthalene	10.46	128	1858	0.182	ng/ul	98
5) 2-Methylnaphthalene	12.09	142	962	0.142	ng/ul	92
7) Acenaphthylene	14.01	152	6687	0.663	ng/ul	96
8) Acenaphthene	14.35	153	13420	1.626	ng/ul	95
9) Fluorene	15.34	166	18216	1.987	ng/ul	97
12) Phenanthrene	17.17	178	57828	0.092	ng/ul	96
17) Pyrene	19.47	202	519077	1419.299	ng/ul	96
18) Benzo(a)anthracene	21.28	228	283540	890.663	ng/ul	97
19) Chrysene	21.28	228	283639	692.784	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	491588	24.877	ng/ul	82
22) Benzo(k)fluoranthene	22.96	252	34719	1.553	ng/ul	97
23) Benzo(a)pyrene	23.36	252	237163	11.802	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.67	276	168513	7.023	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.67	278	42051	2.168	ng/ul	95
26) Benzo(g,h,i)perylene	26.36	276	162194	7.508	ng/ul#	93

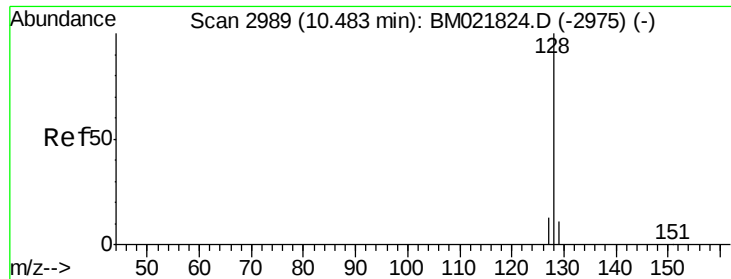
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BM021826.D
Acq On : 05 Aug 2019 00:30
Operator : HP/JU
Sample : K3863-15
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A52F5

Quant Time: Aug 05 08:24:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 08:19:16 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.182 ng/ul

RT: 10.46 min Scan# 2984

Delta R.T. -0.02 min

Lab File: BM021826.D

Acq: 05 Aug 2019 00:30

Instrument :

BNA_M

ClientSampleId :

A52F5

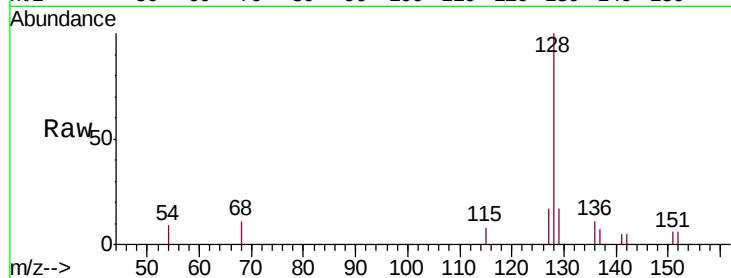
Tgt Ion:128 Resp: 1858

Ion Ratio Lower Upper

128 100

129 16.8 12.3 18.5

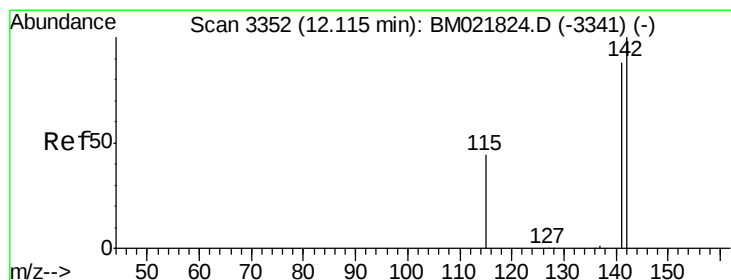
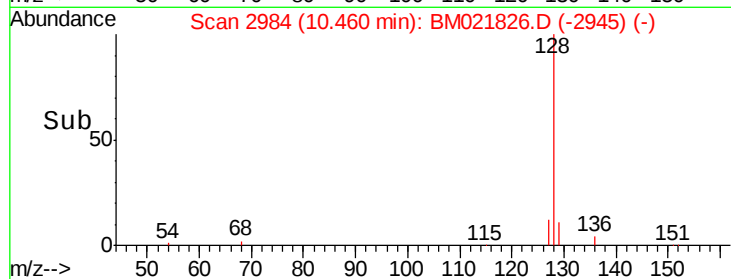
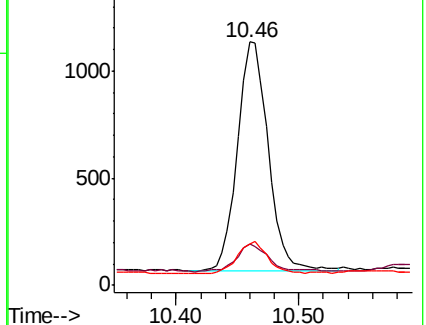
127 16.8 13.0 19.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.142 ng/ul

RT: 12.09 min Scan# 3346

Delta R.T. -0.03 min

Lab File: BM021826.D

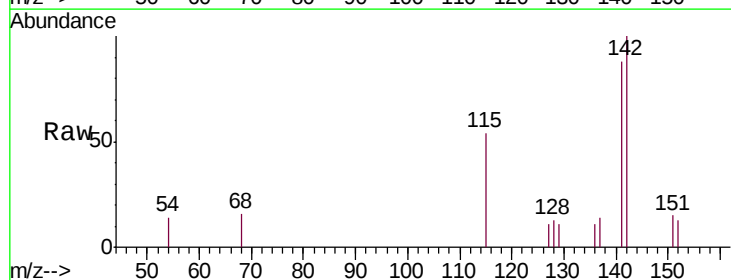
Acq: 05 Aug 2019 00:30

Tgt Ion:142 Resp: 962

Ion Ratio Lower Upper

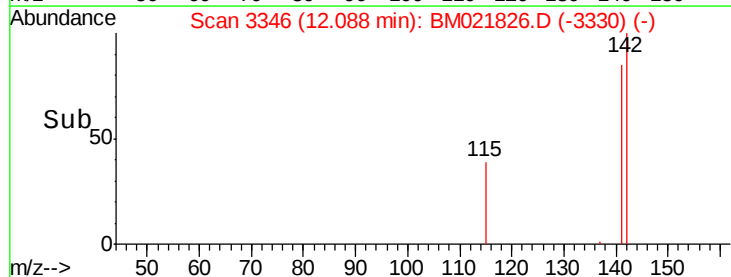
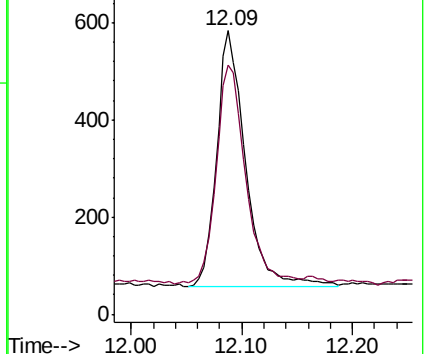
142 100

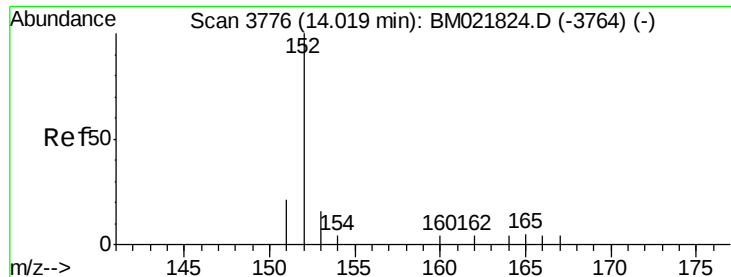
141 85.0 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.663 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.01 min

Lab File: BM021826.D

Acq: 05 Aug 2019 00:30

Instrument :

BNA_M

ClientSampleId :

A52F5

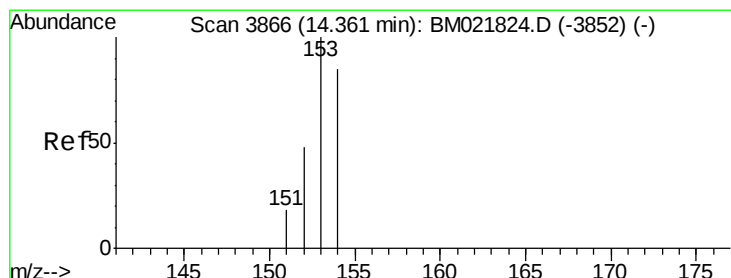
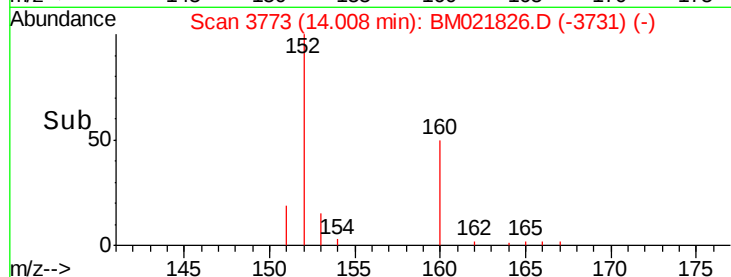
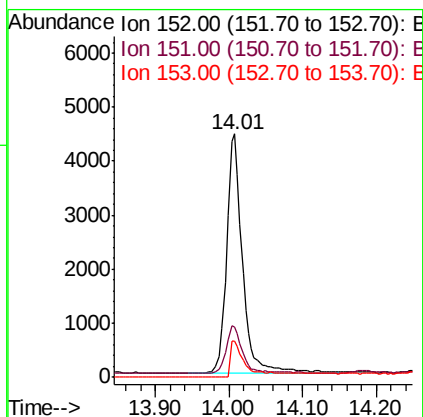
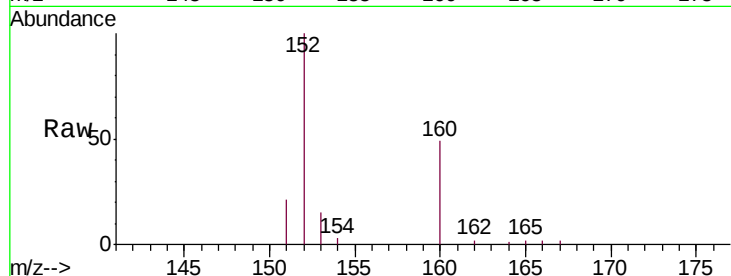
Tgt Ion:152 Resp: 6687

Ion Ratio Lower Upper

152 100

151 20.6 18.3 27.5

153 15.1 12.8 19.2



#8

Acenaphthene

Concen: 1.626 ng/ul

RT: 14.35 min Scan# 3863

Delta R.T. -0.01 min

Lab File: BM021826.D

Acq: 05 Aug 2019 00:30

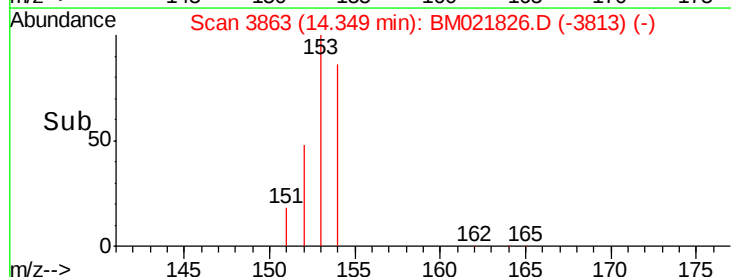
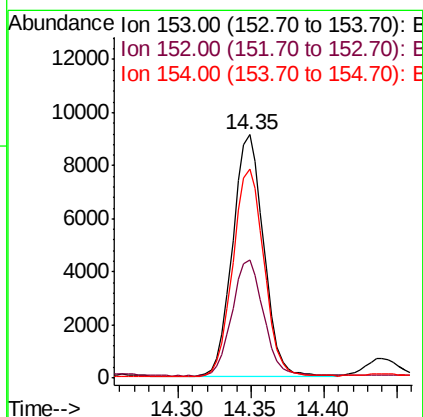
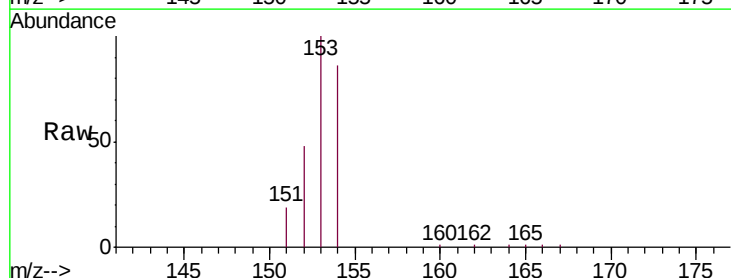
Tgt Ion:153 Resp: 13420

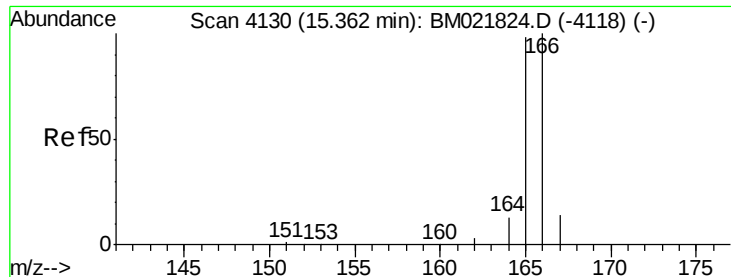
Ion Ratio Lower Upper

153 100

152 48.4 41.3 61.9

154 85.9 72.3 108.5

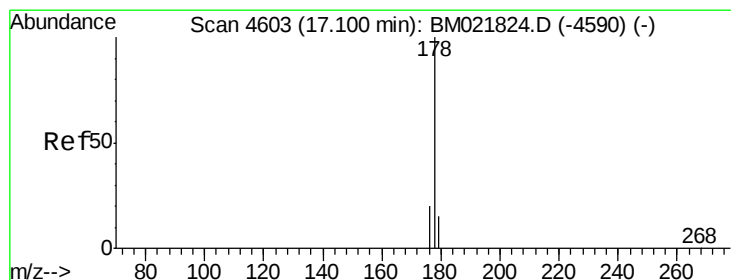
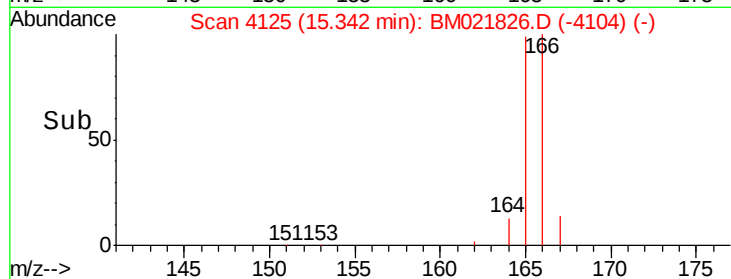
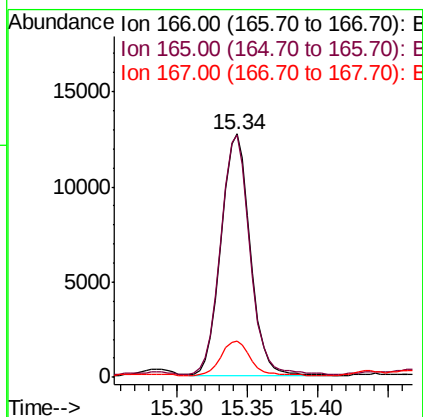
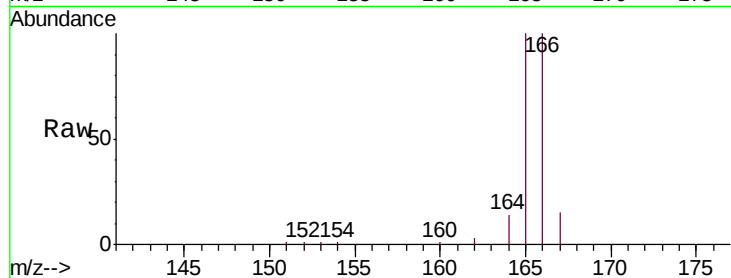




#9
Fluorene
 Concen: 1.987 ng/ul
 RT: 15.34 min Scan# 4125
 Delta R.T. -0.02 min
 Lab File: BM021826.D
 Acq: 05 Aug 2019 00:30

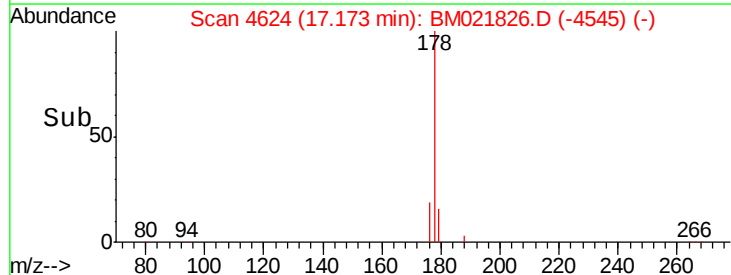
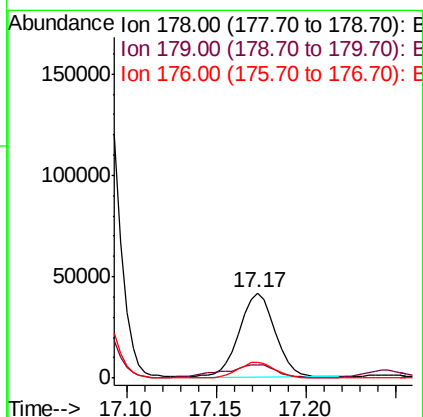
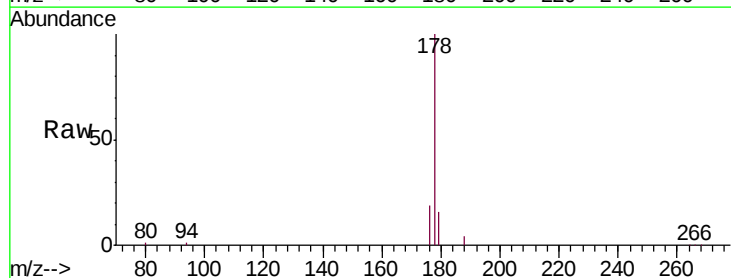
Instrument :
 BNA_M
 ClientSampleId :
 A52F5

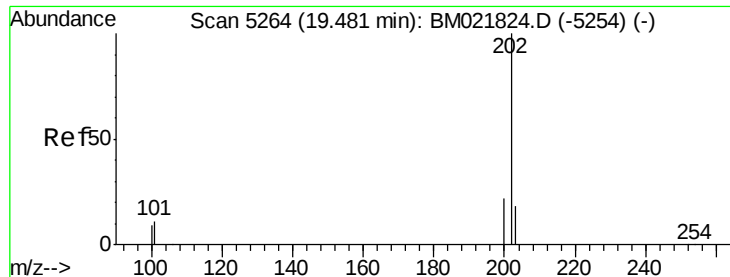
Tgt Ion:166 Resp: 18216
 Ion Ratio Lower Upper
 166 100
 165 99.5 81.4 122.0
 167 15.0 13.7 20.5



#12
Phenanthrene
 Concen: 0.092 ng/ul
 RT: 17.17 min Scan# 4624
 Delta R.T. 0.07 min
 Lab File: BM021826.D
 Acq: 05 Aug 2019 00:30

Tgt Ion:178 Resp: 57828
 Ion Ratio Lower Upper
 178 100
 179 16.2 14.2 21.2
 176 19.1 16.8 25.2

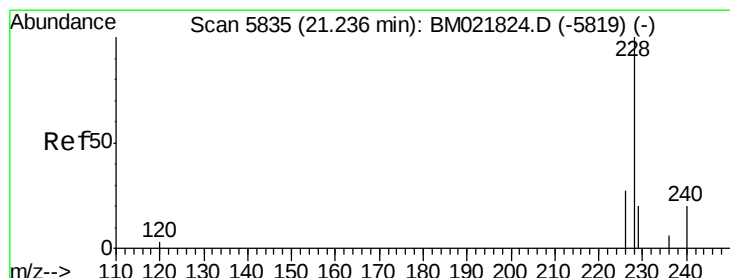
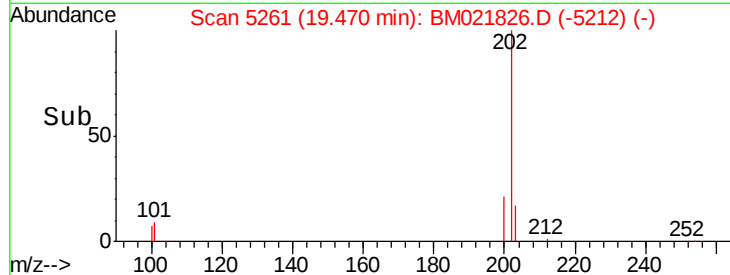
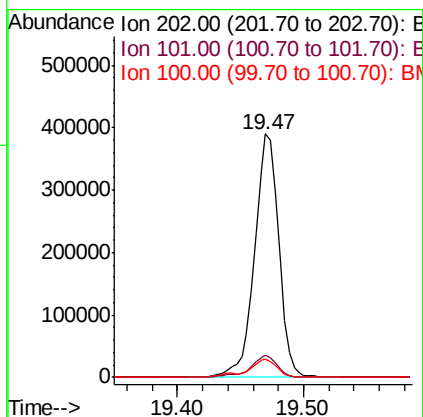
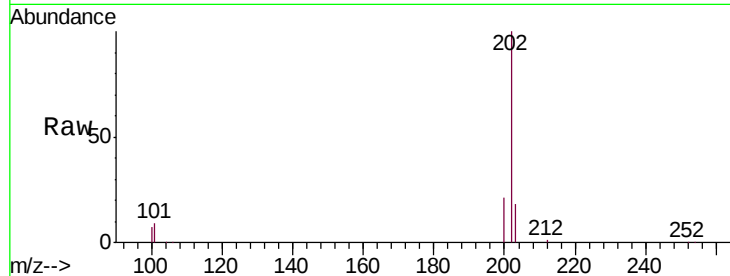




#17
 Pyrene
 Concen: 1419.299 ng/ul
 RT: 19.47 min Scan# 5261
 Delta R.T. -0.01 min
 Lab File: BM021826.D
 Acq: 05 Aug 2019 00:30

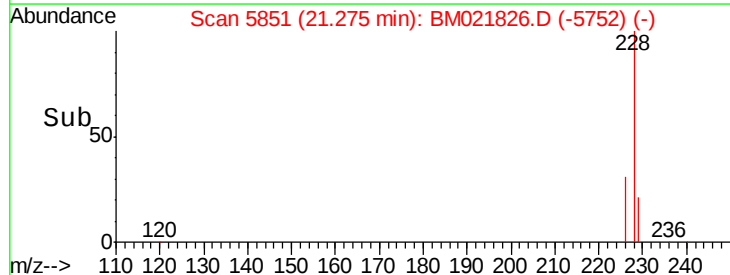
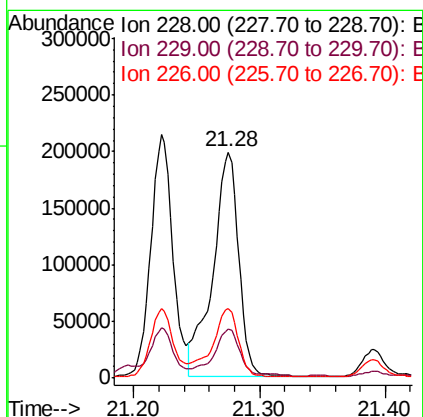
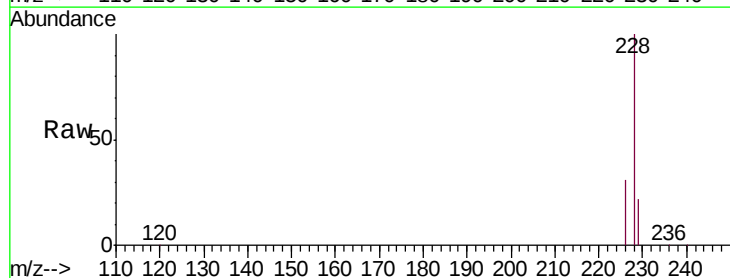
Instrument :
 BNA_M
 ClientSampleId :
 A52F5

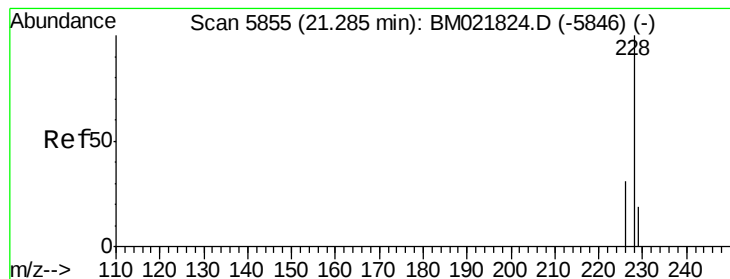
Tgt Ion:202 Resp: 519077
 Ion Ratio Lower Upper
 202 100
 101 9.0 8.3 12.5
 100 7.5 7.2 10.8



#18
 Benzo(a)anthracene
 Concen: 890.663 ng/ul
 RT: 21.28 min Scan# 5851
 Delta R.T. 0.04 min
 Lab File: BM021826.D
 Acq: 05 Aug 2019 00:30

Tgt Ion:228 Resp: 283540
 Ion Ratio Lower Upper
 228 100
 229 21.9 17.2 25.8
 226 31.0 22.6 34.0





#19

Chrysene

Concen: 692.784 ng/ul

RT: 21.28 min Scan# 5851

Delta R.T. -0.01 min

Lab File: BM021826.D

Acq: 05 Aug 2019 00:30

Instrument :

BNA_M

ClientSampleId :

A52F5

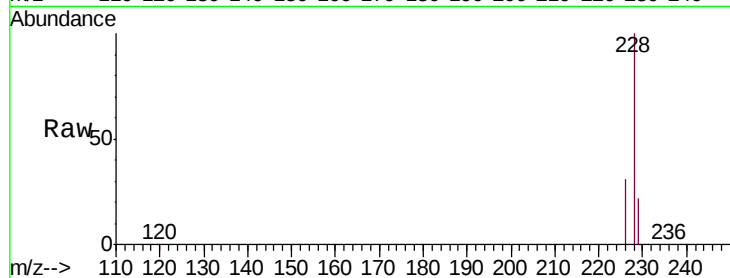
Tgt Ion:228 Resp: 283639

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

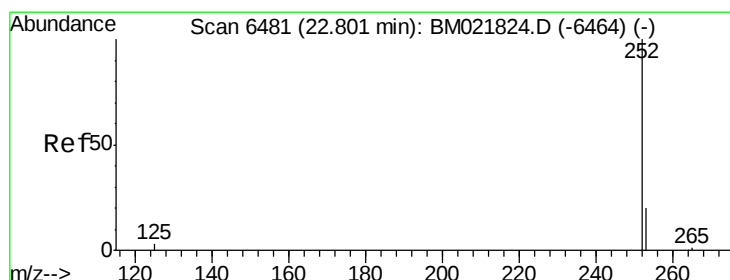
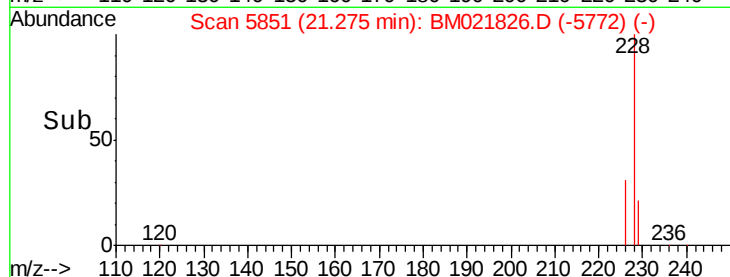
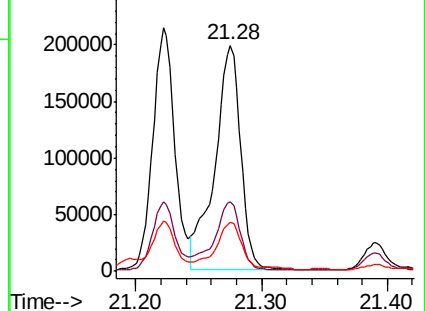
229 21.9 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 24.877 ng/ul

RT: 22.79 min Scan# 6478

Delta R.T. -0.01 min

Lab File: BM021826.D

Acq: 05 Aug 2019 00:30

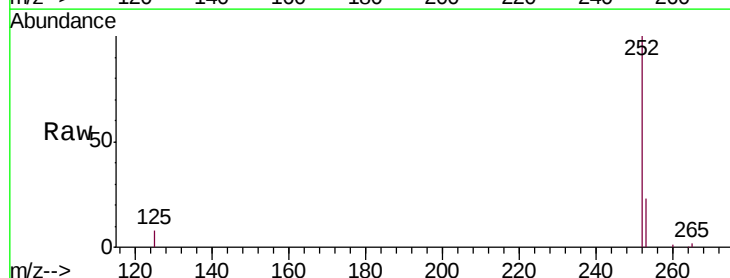
Tgt Ion:252 Resp: 491588

Ion Ratio Lower Upper

252 100

253 23.2 0.0 67.4

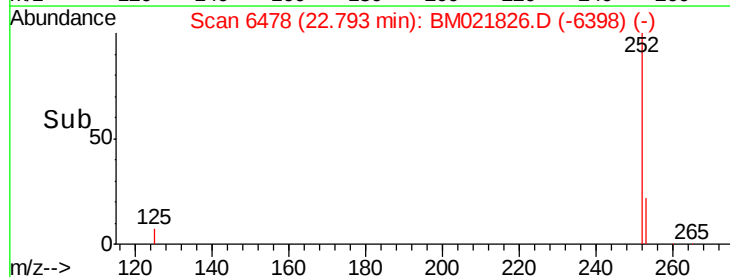
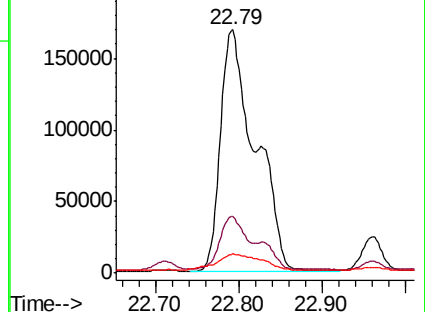
125 7.8 0.0 31.0

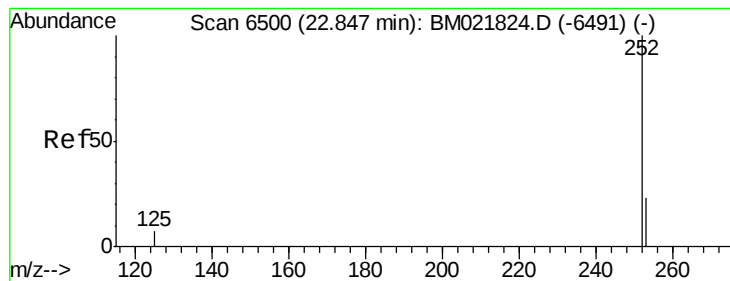


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.553 ng/ul

RT: 22.96 min Scan# 6547

Delta R.T. 0.11 min

Lab File: BM021826.D

Acq: 05 Aug 2019 00:30

Instrument :

BNA_M

ClientSampleId :

A52F5

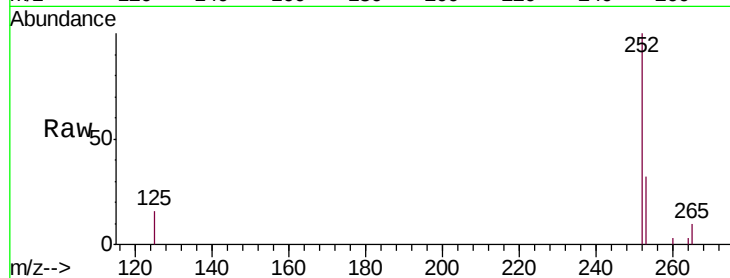
Tgt Ion:252 Resp: 34719

Ion Ratio Lower Upper

252 100

253 32.2 27.0 40.4

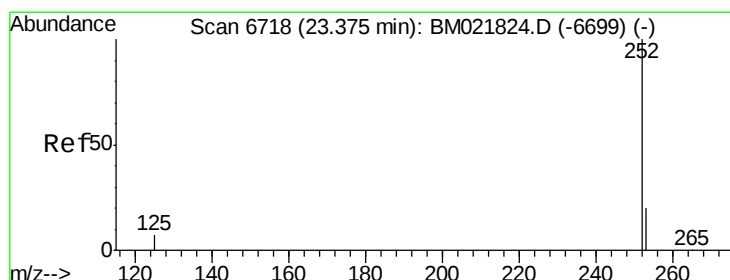
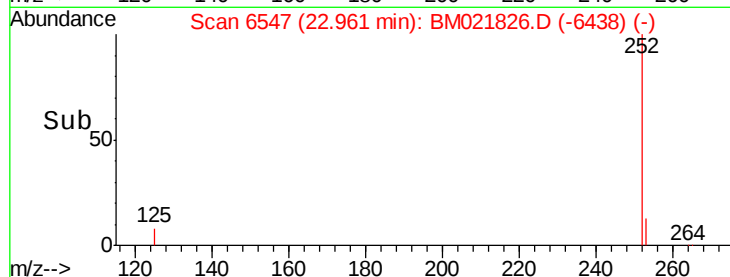
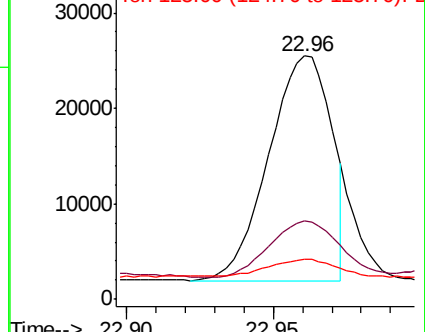
125 16.3 12.2 18.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#23

Benzo(a)pyrene

Concen: 11.802 ng/ul

RT: 23.36 min Scan# 6711

Delta R.T. -0.02 min

Lab File: BM021826.D

Acq: 05 Aug 2019 00:30

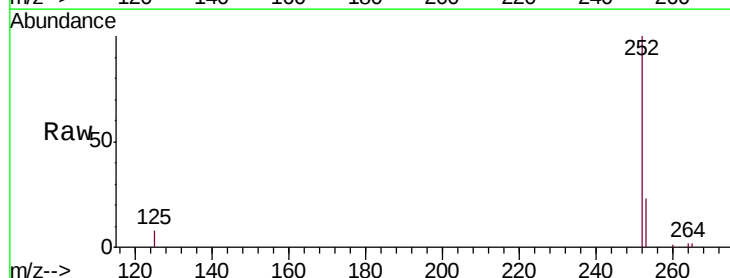
Tgt Ion:252 Resp: 237163

Ion Ratio Lower Upper

252 100

253 23.2 31.7 47.5#

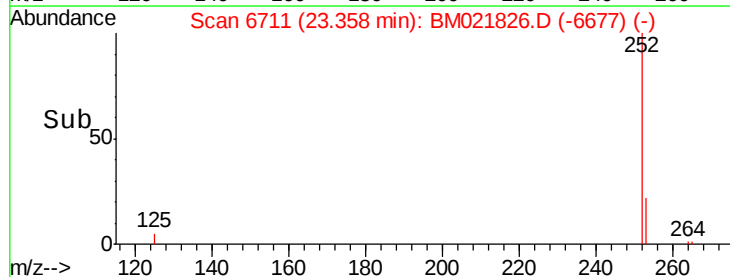
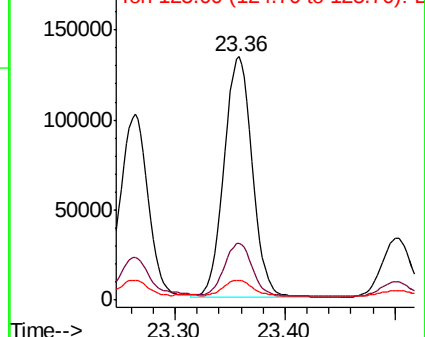
125 8.2 14.6 21.8#

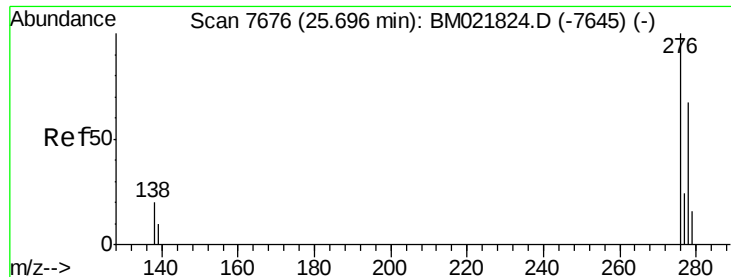


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 7.023 ng/ul

RT: 25.67 min Scan# 7666

Delta R.T. -0.02 min

Lab File: BM021826.D

Acq: 05 Aug 2019 00:30

Instrument :

BNA_M

ClientSampleId :

A52F5

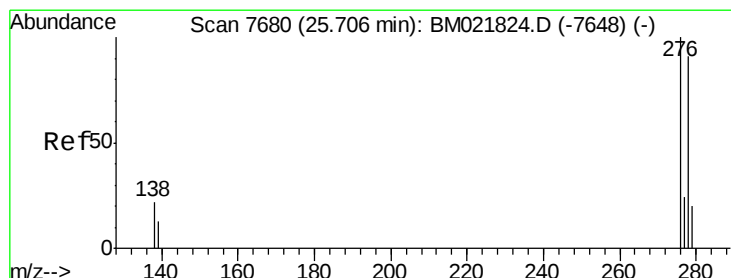
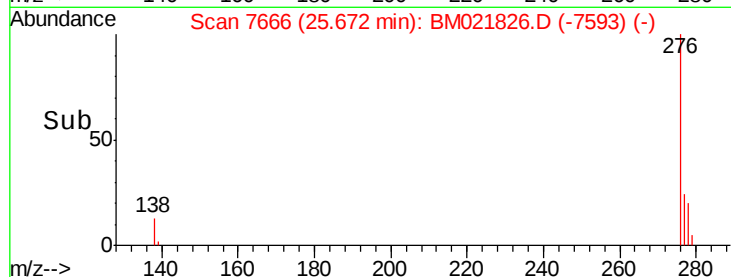
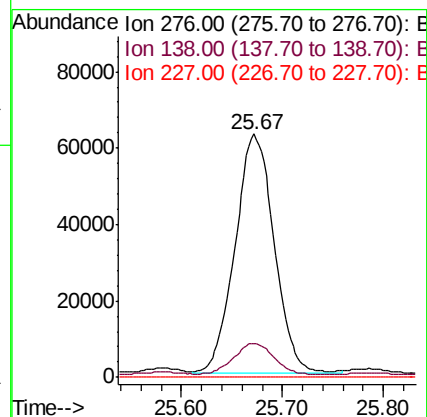
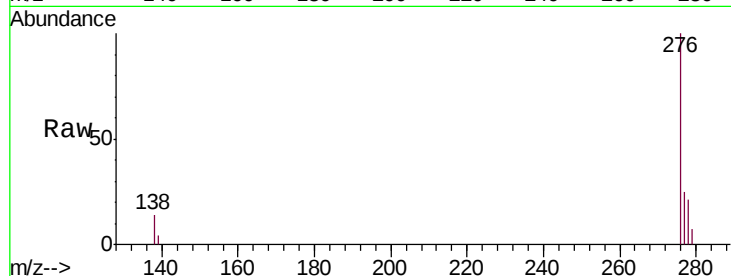
Tgt Ion:276 Resp: 168513

Ion Ratio Lower Upper

276 100

138 13.1 15.1 22.7#

227 0.0 0.0 0.0



#25

Dibenzo(a,h)anthracene

Concen: 2.168 ng/ul

RT: 25.67 min Scan# 7666

Delta R.T. -0.03 min

Lab File: BM021826.D

Acq: 05 Aug 2019 00:30

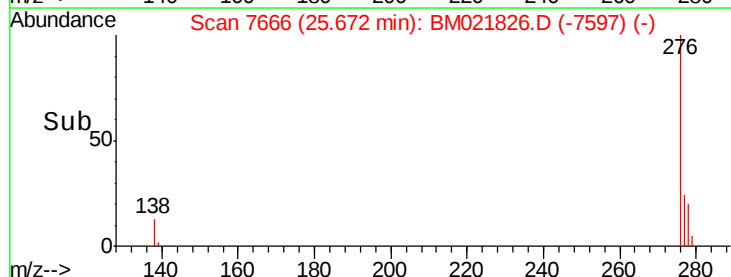
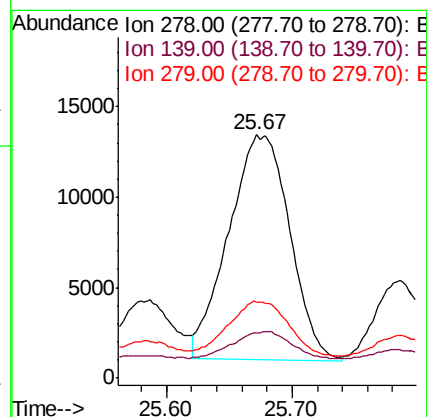
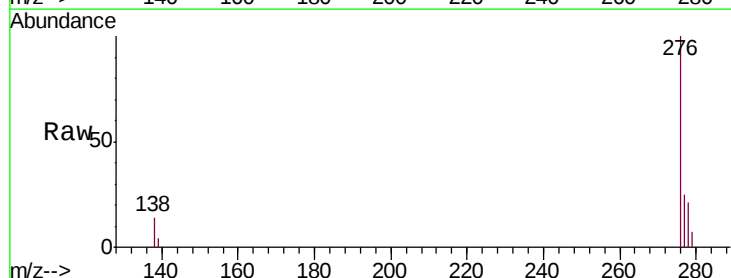
Tgt Ion:278 Resp: 42051

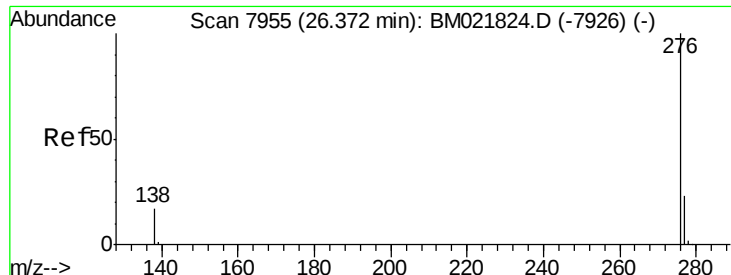
Ion Ratio Lower Upper

278 100

139 18.6 14.2 21.2

279 31.2 28.3 42.5





#26

Benzo(g,h,i)perylene

Concen: 7.508 ng/ul

RT: 26.36 min Scan# 7950

Delta R.T. -0.01 min

Lab File: BM021826.D

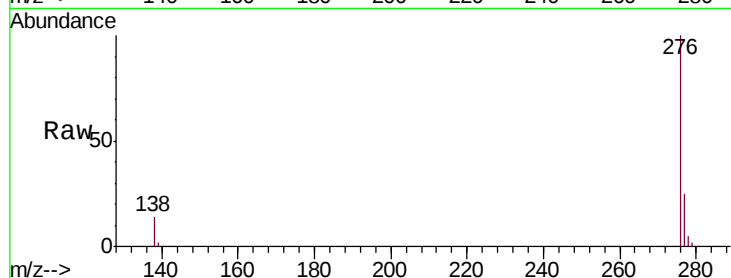
Acq: 05 Aug 2019 00:30

Instrument :

BNA_M

ClientSampleId :

A52F5



Tgt Ion:	276	Resp:	162194
Ion	Ratio	Lower	Upper
276	100		
138	14.3	15.5	23.3#
277	25.1	21.4	32.2

