

Data File : BM021808.D
Acq On : 04 Aug 2019 12:21
Operator : HP/JU
Sample : K3850-18RE
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS4

Quant Time: Aug 05 05:29:57 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 05:26:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	1043	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	4318	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2647	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.14	188	246767	0.40	ng/ul	0.08
16) Chrysene-d12	21.35	240	210	0.40	ng/ul	0.10
20) Perylene-d12	23.46	264	12703	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1114	0.16	ng/ul	-0.02
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

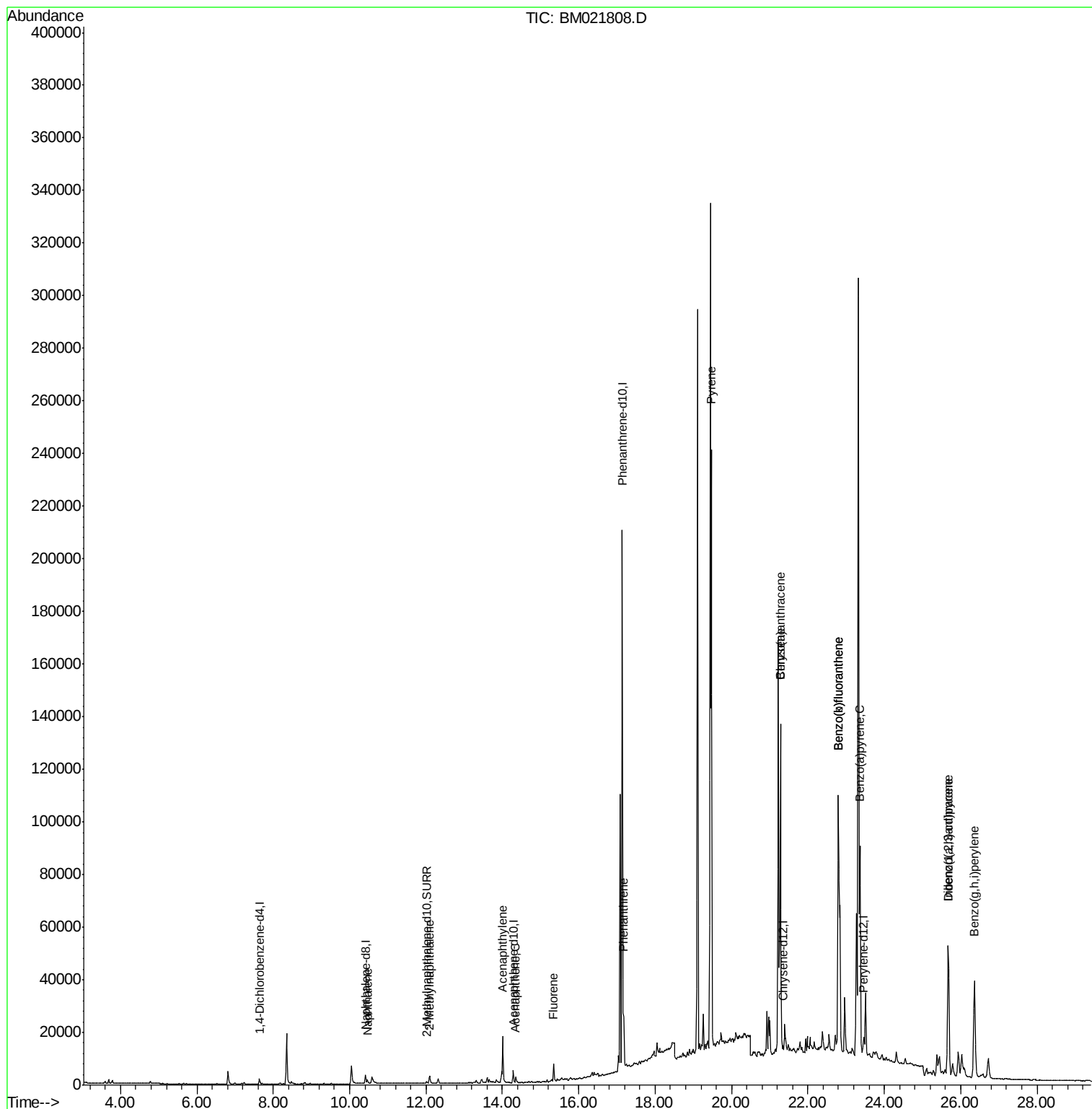
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	1792	0.147	ng/ul	98
5) 2-Methylnaphthalene	12.09	142	2331	0.287	ng/ul	97
7) Acenaphthylene	14.01	152	15872	1.286	ng/ul	95
8) Acenaphthene	14.35	153	1339	0.133	ng/ul	95
9) Fluorene	15.34	166	4464	0.398	ng/ul	100
12) Phenanthrene	17.18	178	30047	0.042	ng/ul	99
17) Pyrene	19.47	202	186975	216.669	ng/ul#	94
18) Benzo(a)anthracene	21.28	228	120403	160.290	ng/ul	93
19) Chrysene	21.28	228	119622	123.827	ng/ul	96
21) Benzo(b)fluoranthene	22.80	252	229017	5.346	ng/ul	87
22) Benzo(k)fluoranthene	22.80	252	229017	4.724	ng/ul#	88
23) Benzo(a)pyrene	23.37	252	106118	2.436	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.68	276	85042	1.635	ng/ul#	86
25) Dibenzo(a,h)anthracene	25.68	278	20448	0.486	ng/ul#	95
26) Benzo(g,h,i)perylene	26.36	276	78776	1.682	ng/ul#	93

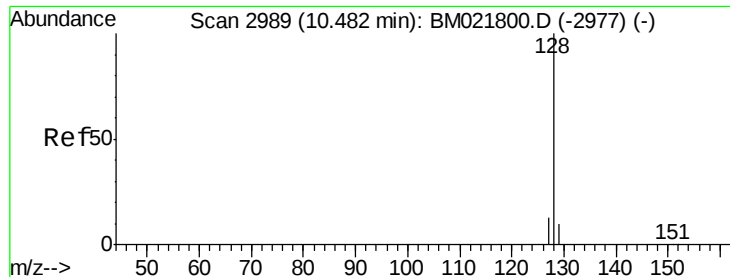
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.147 ng/ul

RT: 10.46 min Scan# 2985

Delta R.T. -0.02 min

Lab File: BM021808.D

Acq: 04 Aug 2019 12:21

Instrument :

BNA_M

ClientSampleId :

BENS4

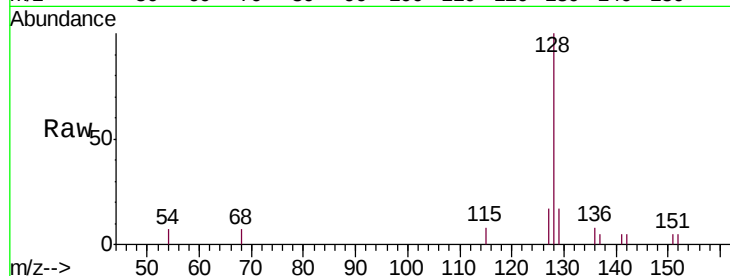
Tgt Ion:128 Resp: 1792

Ion Ratio Lower Upper

128 100

129 16.7 12.3 18.5

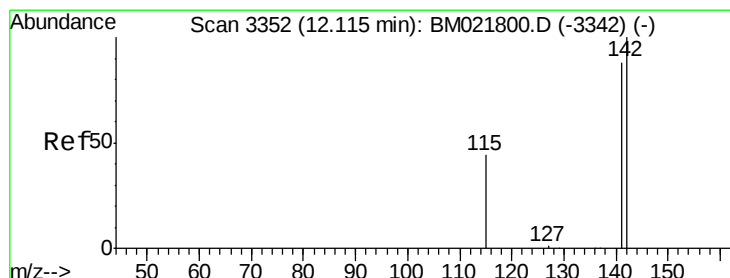
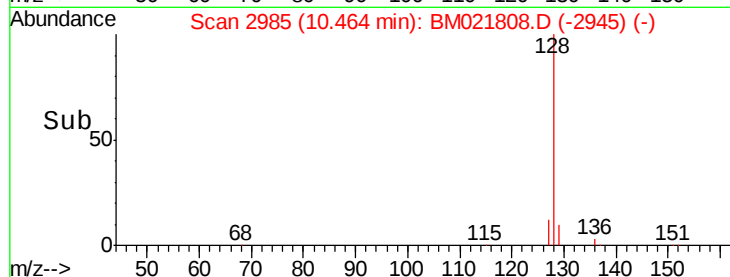
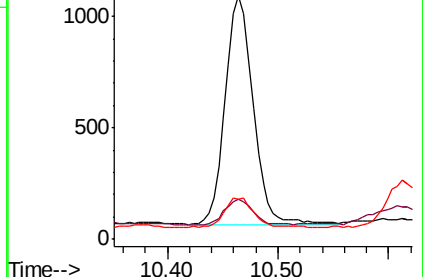
127 16.6 13.0 19.6



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: 0.287 ng/ul

RT: 12.09 min Scan# 3347

Delta R.T. -0.02 min

Lab File: BM021808.D

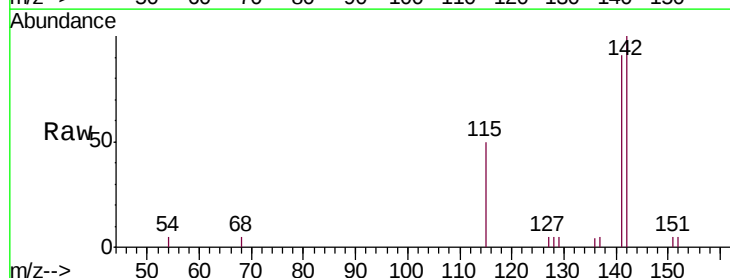
Acq: 04 Aug 2019 12:21

Tgt Ion:142 Resp: 2331

Ion Ratio Lower Upper

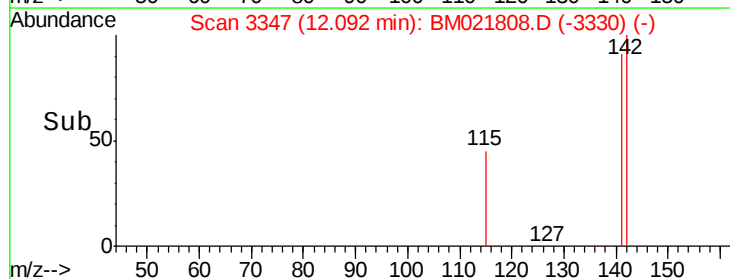
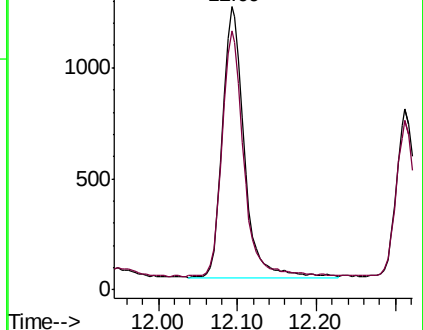
142 100

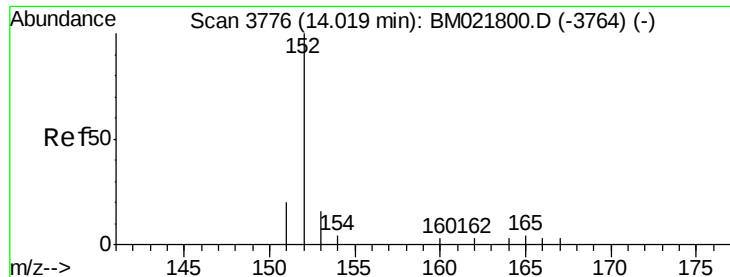
141 90.5 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.286 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.01 min

Lab File: BM021808.D

Acq: 04 Aug 2019 12:21

Instrument :

BNA_M

ClientSampleId :

BENS4

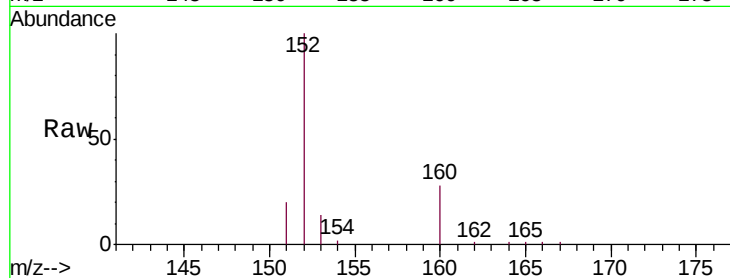
Tgt Ion:152 Resp: 15872

Ion Ratio Lower Upper

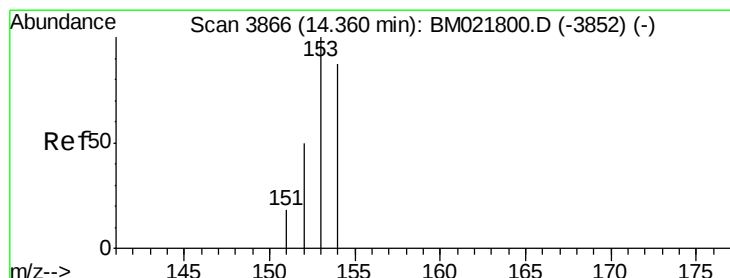
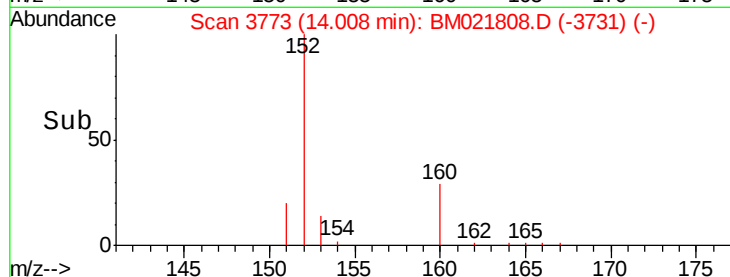
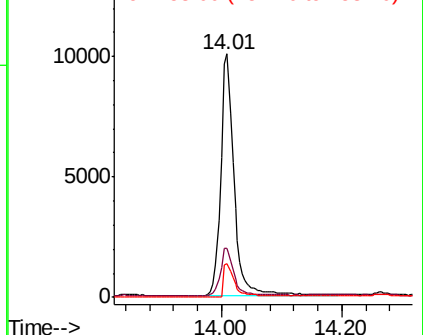
152 100

151 20.4 18.3 27.5

153 13.9 12.8 19.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.133 ng/ul

RT: 14.35 min Scan# 3863

Delta R.T. -0.01 min

Lab File: BM021808.D

Acq: 04 Aug 2019 12:21

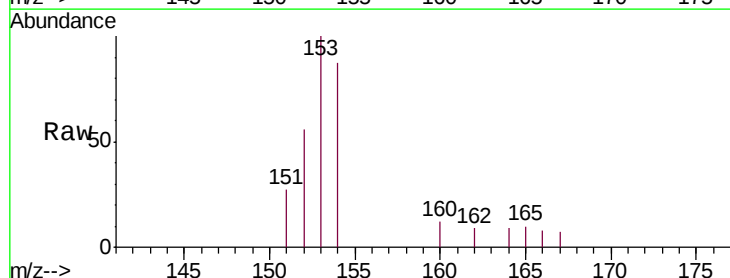
Tgt Ion:153 Resp: 1339

Ion Ratio Lower Upper

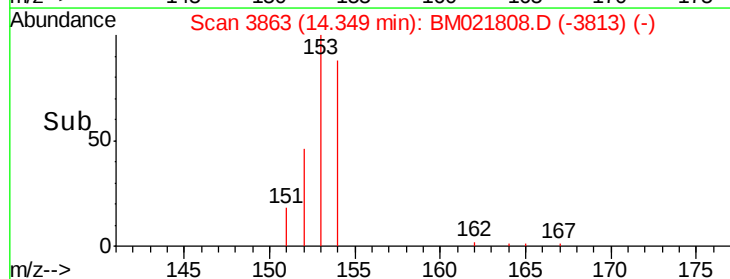
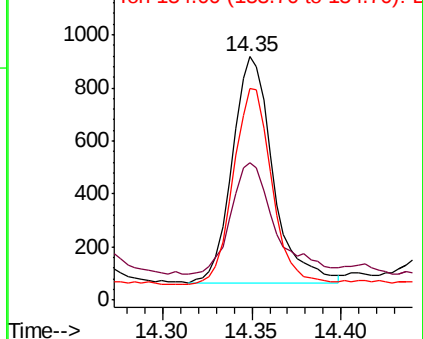
153 100

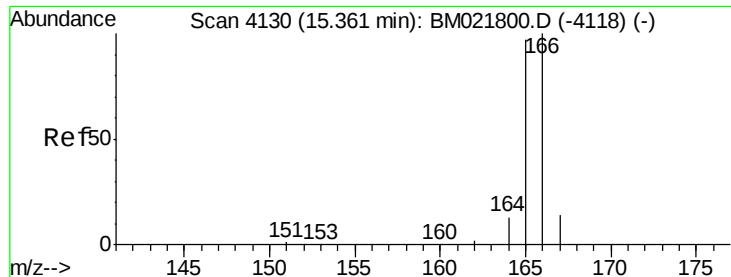
152 56.2 41.3 61.9

154 87.1 72.3 108.5



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.398 ng/ul

RT: 15.34 min Scan# 4125

Delta R.T. -0.02 min

Lab File: BM021808.D

Acq: 04 Aug 2019 12:21

Instrument :

BNA_M

ClientSampleId :

BENS4

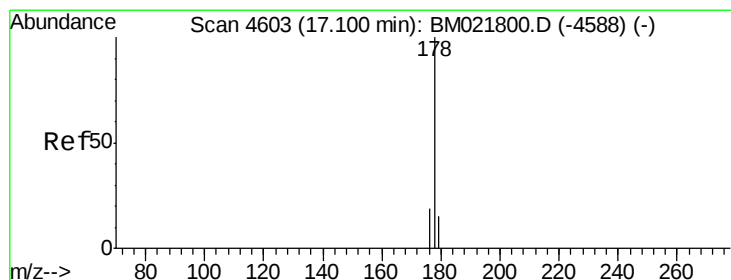
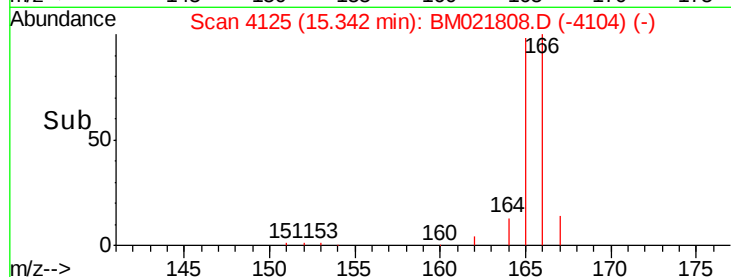
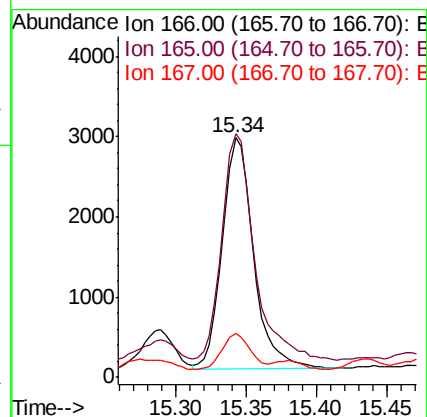
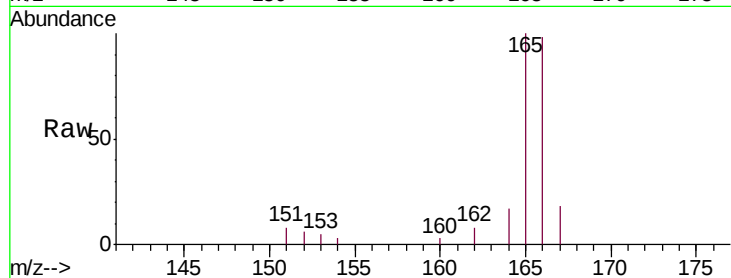
Tgt Ion:166 Resp: 4464

Ion Ratio Lower Upper

166 100

165 101.6 81.4 122.0

167 18.2 13.7 20.5



#12

Phenanthrene

Concen: 0.042 ng/ul

RT: 17.18 min Scan# 4625

Delta R.T. 0.08 min

Lab File: BM021808.D

Acq: 04 Aug 2019 12:21

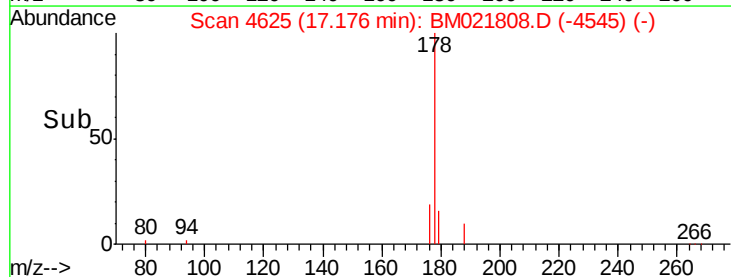
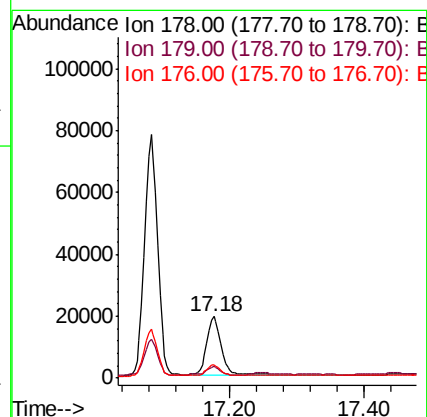
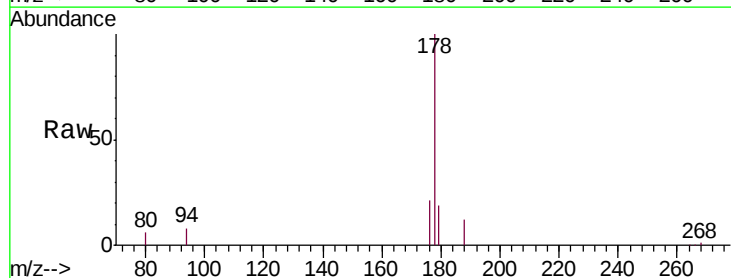
Tgt Ion:178 Resp: 30047

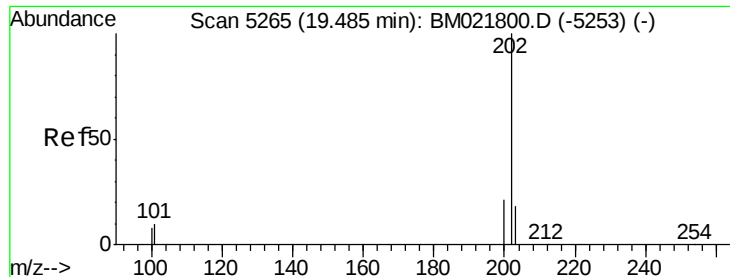
Ion Ratio Lower Upper

178 100

179 18.5 14.2 21.2

176 21.4 16.8 25.2





#17

Pyrene

Concen: 216.669 ng/ul

RT: 19.47 min Scan# 5262

Delta R.T. -0.01 min

Lab File: BM021808.D

Acq: 04 Aug 2019 12:21

Instrument :

BNA_M

ClientSampleId :

BENS4

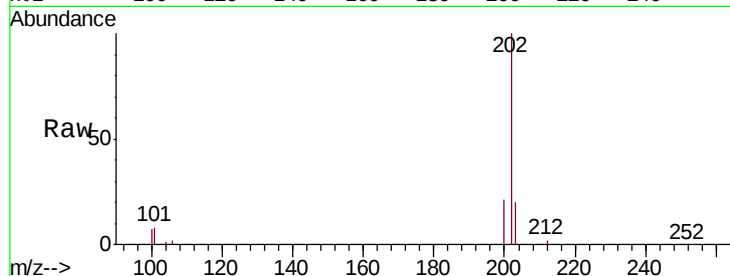
Tgt Ion:202 Resp: 186975

Ion Ratio Lower Upper

202 100

101 8.1 8.3 12.5#

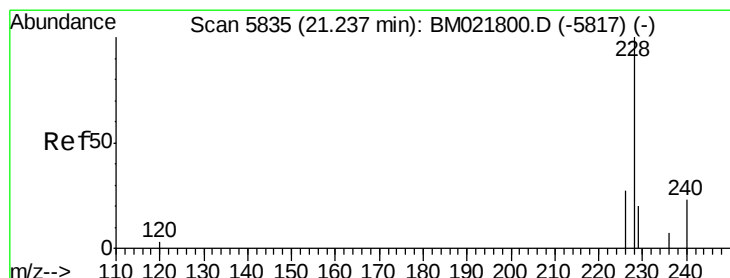
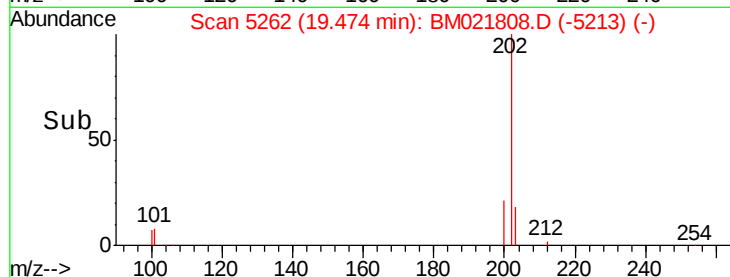
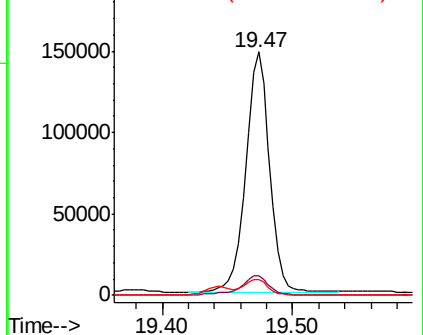
100 6.6 7.2 10.8#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#18

Benzo(a)anthracene

Concen: 160.290 ng/ul

RT: 21.28 min Scan# 5853

Delta R.T. 0.04 min

Lab File: BM021808.D

Acq: 04 Aug 2019 12:21

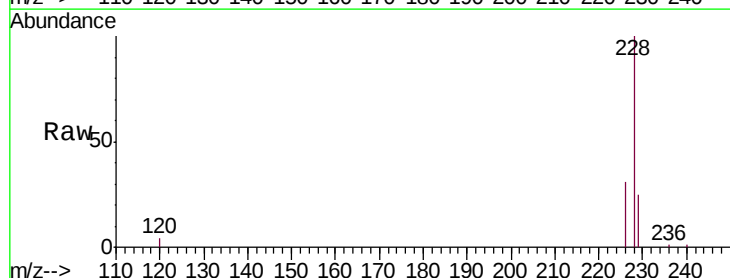
Tgt Ion:228 Resp: 120403

Ion Ratio Lower Upper

228 100

229 25.0 17.2 25.8

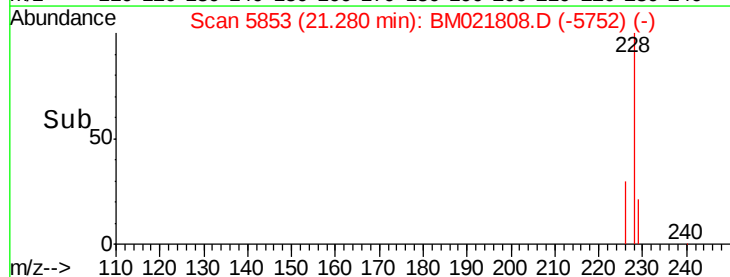
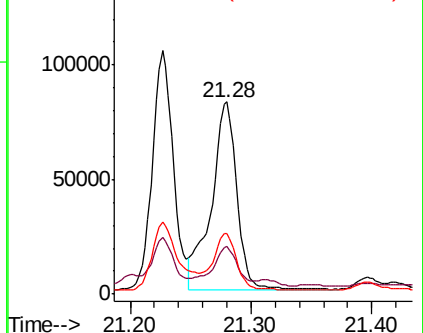
226 31.5 22.6 34.0

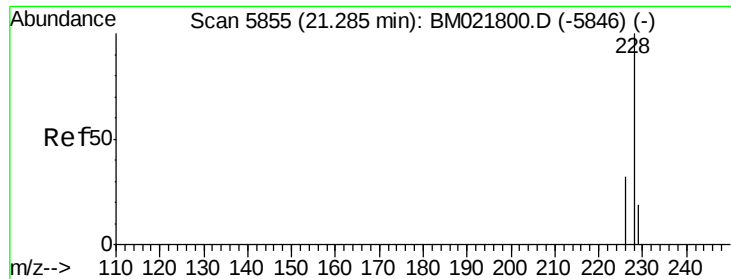


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 123.827 ng/ul

RT: 21.28 min Scan# 5853

Delta R.T. -0.01 min

Lab File: BM021808.D

Acq: 04 Aug 2019 12:21

Instrument :

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ClientSampleId :

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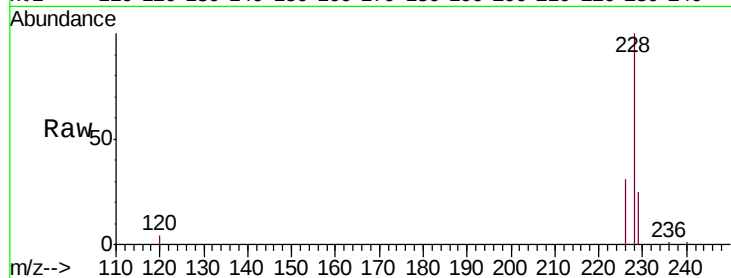
Tgt Ion:228 Resp: 119622

Ion Ratio Lower Upper

228 100

226 31.5 24.9 37.3

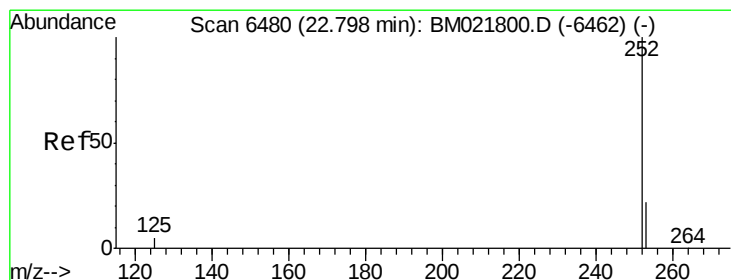
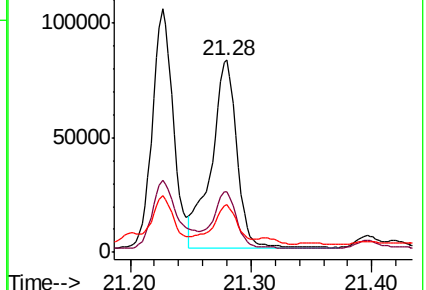
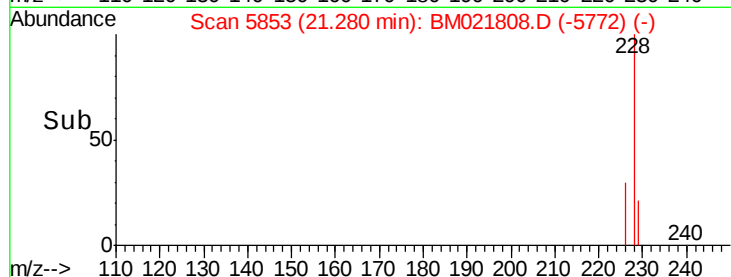
229 25.0 16.6 25.0



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: 5.346 ng/ul

RT: 22.80 min Scan# 6480

Delta R.T. -0.00 min

Lab File: BM021808.D

Acq: 04 Aug 2019 12:21

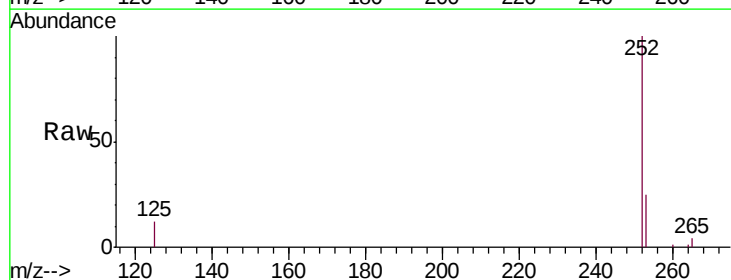
Tgt Ion:252 Resp: 229017

Ion Ratio Lower Upper

252 100

253 25.4 0.0 67.4

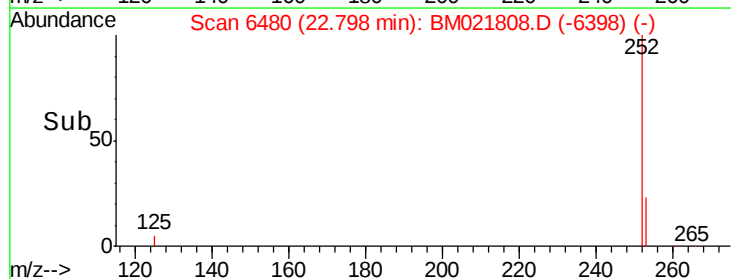
125 12.0 0.0 31.0



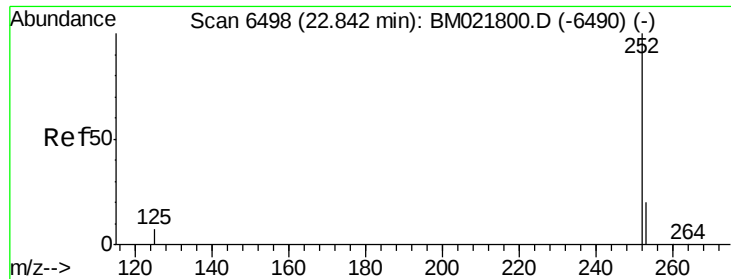
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.70 22.80 22.90



#22

Benzo(k)fluoranthene

Concen: 4.724 ng/ul

RT: 22.80 min Scan# 6480

Delta R.T. -0.04 min

Lab File: BM021808.D

Acq: 04 Aug 2019 12:21

Instrument :

BNA_M

ClientSampleId :

BENS4

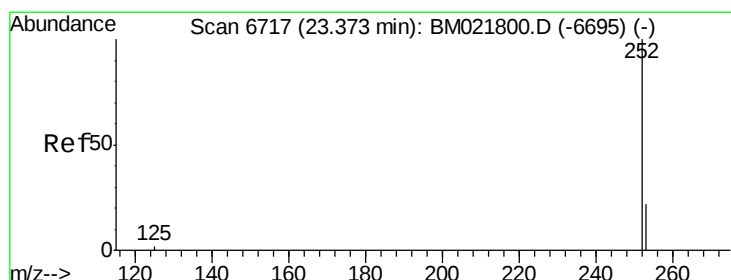
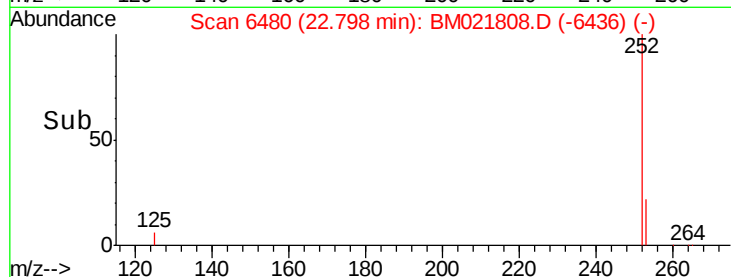
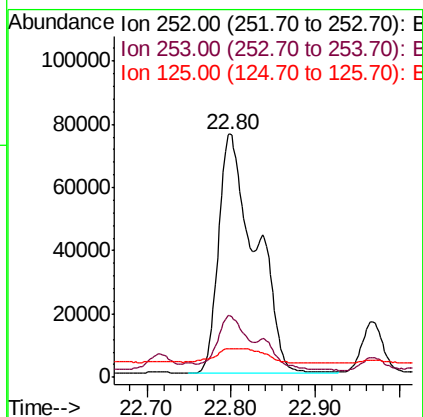
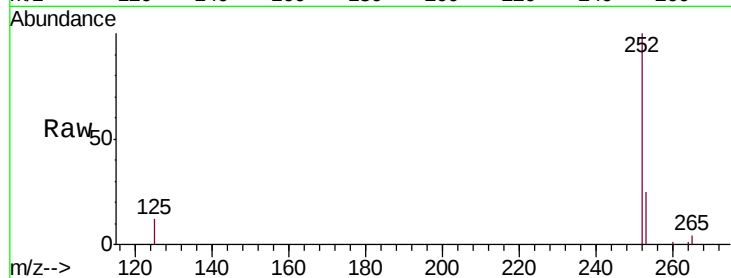
Tgt Ion:252 Resp: 229017

Ion Ratio Lower Upper

252 100

253 25.4 27.0 40.4#

125 12.0 12.2 18.2#



#23

Benzo(a)pyrene

Concen: 2.436 ng/ul

RT: 23.37 min Scan# 6714

Delta R.T. -0.01 min

Lab File: BM021808.D

Acq: 04 Aug 2019 12:21

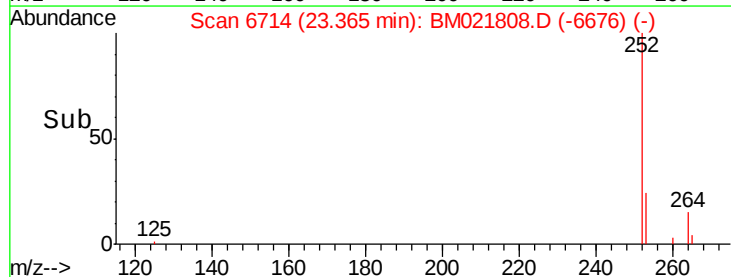
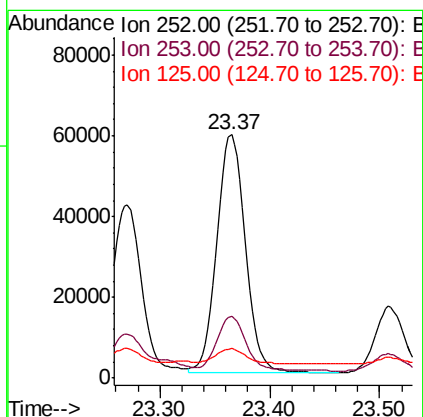
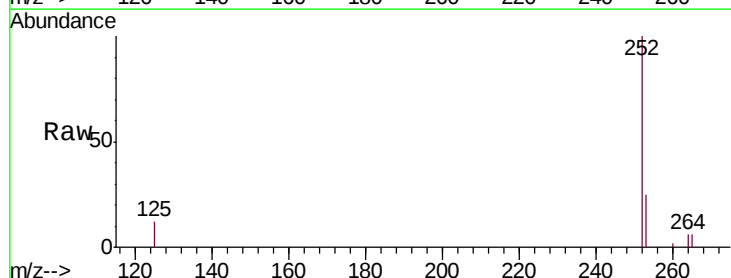
Tgt Ion:252 Resp: 106118

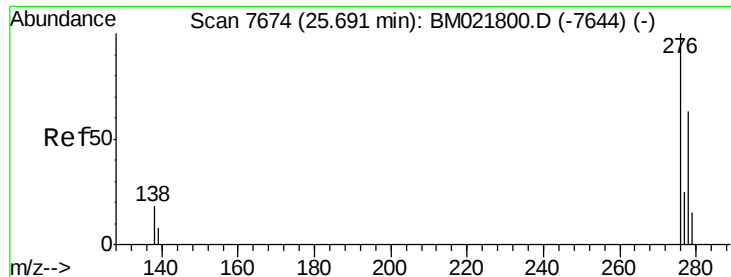
Ion Ratio Lower Upper

252 100

253 25.2 31.7 47.5#

125 12.1 14.6 21.8#





#24

Indeno(1,2,3-cd)pyrene

Concen: 1.635 ng/u1

RT: 25.68 min Scan# 7669

Delta R.T. -0.01 min

Lab File: BM021808.D

Acq: 04 Aug 2019 12:21

Instrument :

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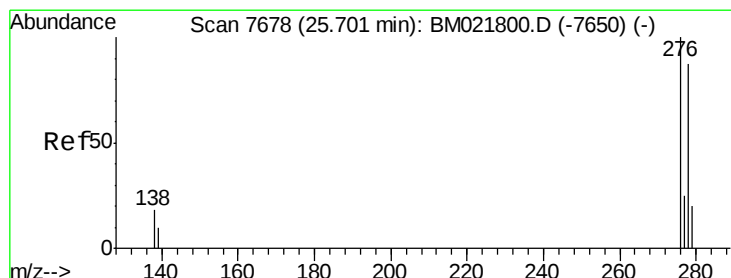
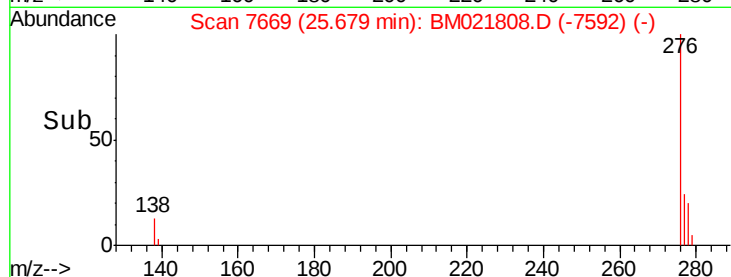
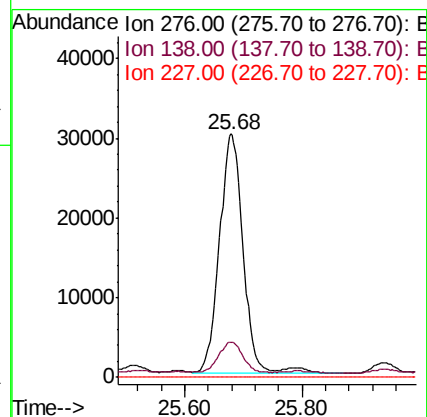
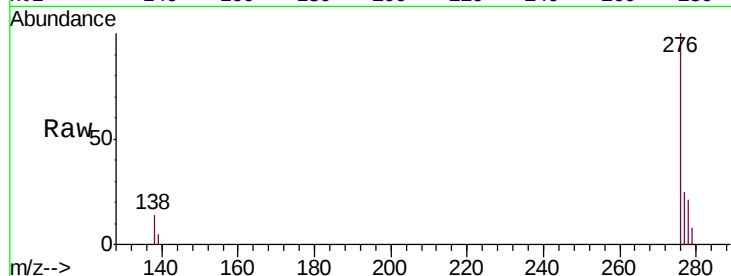
Tgt Ion:276 Resp: 85042

Ion Ratio Lower Upper

276 100

138 12.7 15.1 22.7#

227 0.0 0.0 0.0



#25

Dibenzo(a,h)anthracene

Concen: 0.486 ng/u1

RT: 25.68 min Scan# 7671

Delta R.T. -0.02 min

Lab File: BM021808.D

Acq: 04 Aug 2019 12:21

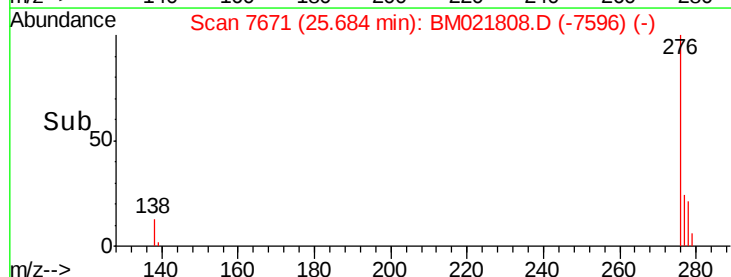
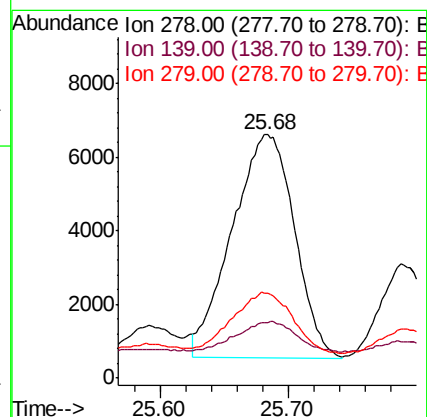
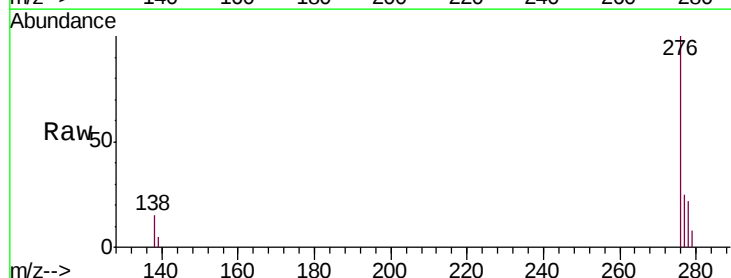
Tgt Ion:278 Resp: 20448

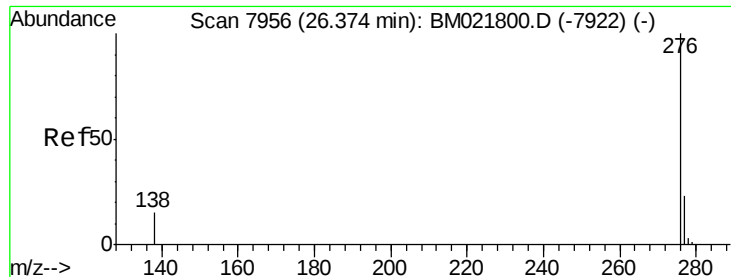
Ion Ratio Lower Upper

278 100

139 22.9 14.2 21.2#

279 34.9 28.3 42.5





#26

Benzo(g,h,i)perylene

Concen: 1.682 ng/ul

RT: 26.36 min Scan# 7951

Delta R.T. -0.01 min

Lab File: BM021808.D

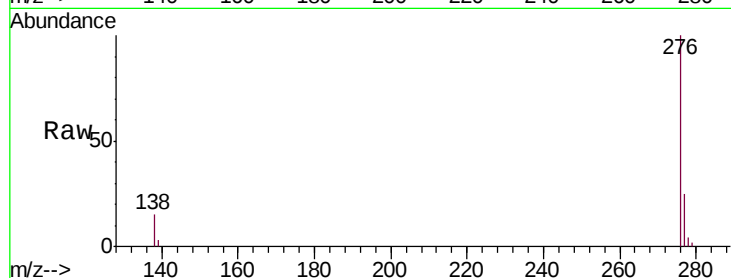
Acq: 04 Aug 2019 12:21

Instrument :

BNA_M

ClientSampleId :

BENS4



Tgt Ion: 276 Resp: 78776

Ion Ratio Lower Upper

276 100

138 14.8 15.5 23.3#

277 24.7 21.4 32.2

