

Data File : BM021908.D
Acq On : 07 Aug 2019 22:32
Operator : HP/JU
Sample : K3893-14DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP18DL

Quant Time: Aug 08 04:43:05 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 : Thu Aug 08 04:39:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	824	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3521	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	1997	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	4516	0.40	ng/ul	-0.01
16) Chrysene-d12	21.23	240	4668	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	5685	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	113	0.02	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	309	0.02	ng/ul	-0.01

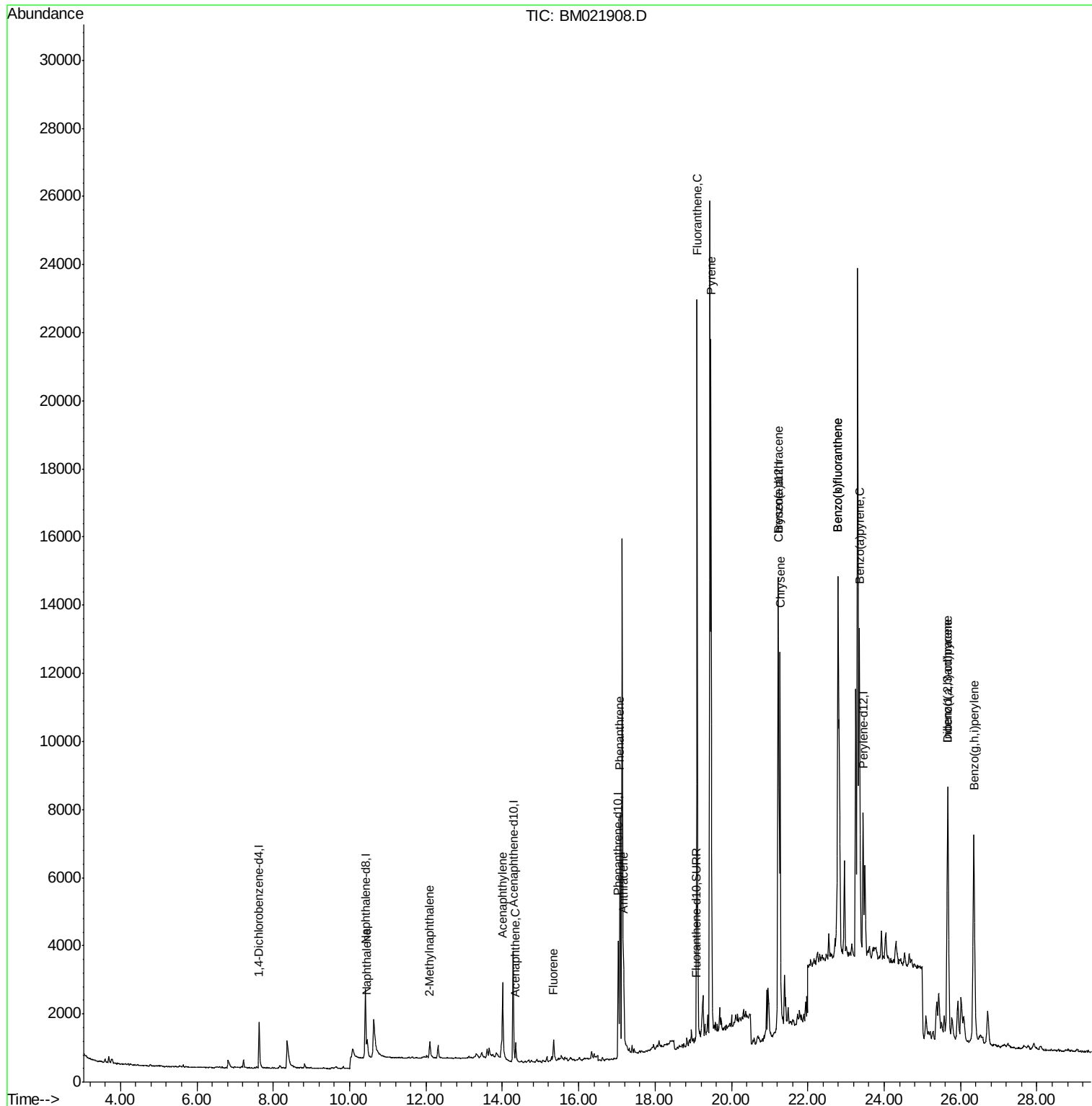
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.47	128	784	0.079	ng/ul#	82
5) 2-Methylnaphthalene	12.09	142	490	0.074	ng/ul	96
7) Acenaphthylene	14.00	152	2312	0.248	ng/ul#	84
8) Acenaphthene	14.34	153	369	0.048	ng/ul	91
9) Fluorene	15.34	166	527	0.062	ng/ul#	94
12) Phenanthrene	17.08	178	7983	0.608	ng/ul	98
13) Anthracene	17.17	178	2705	0.241	ng/ul	95
15) Fluoranthene	19.10	202	20008	1.137	ng/ul	98
17) Pyrene	19.46	202	17148	0.894	ng/ul	99
18) Benzo(a)anthracene	21.22	228	10602	0.635	ng/ul	93
19) Chrysene	21.27	228	12005	0.559	ng/ul	95
21) Benzo(b)fluoranthene	22.79	252	26223	1.368	ng/ul	90
22) Benzo(k)fluoranthene	22.79	252	26223	1.209	ng/ul#	90
23) Benzo(a)pyrene	23.35	252	12496	0.641	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.67	276	12223	0.525	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.67	278	2728	0.145	ng/ul#	46
26) Benzo(g,h,i)perylene	26.35	276	13221	0.631	ng/ul	100

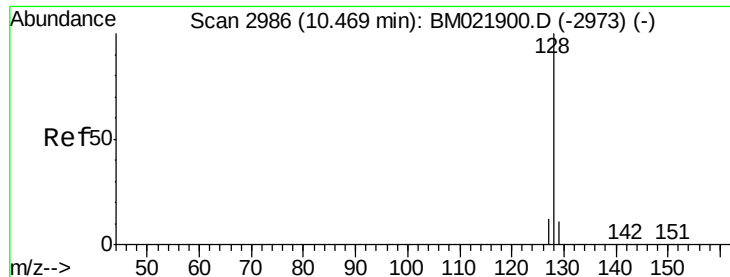
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.079 ng/ul

RT: 10.47 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

Instrument :

BNA_M

ClientSampleId :

BEP18DL

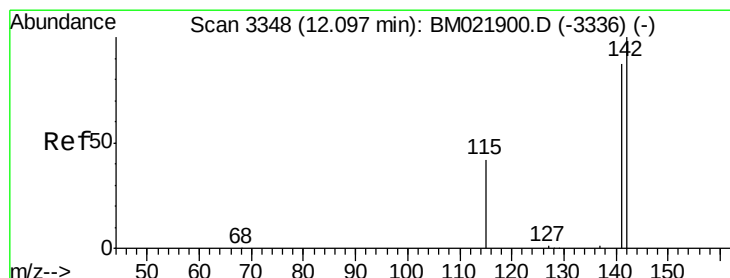
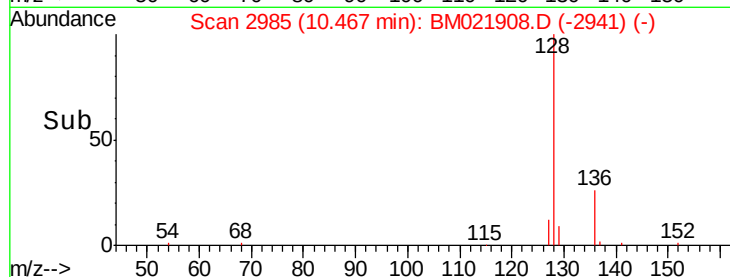
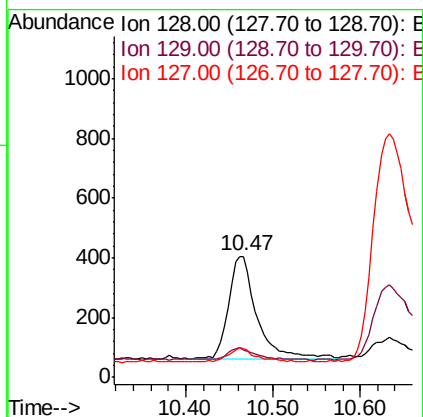
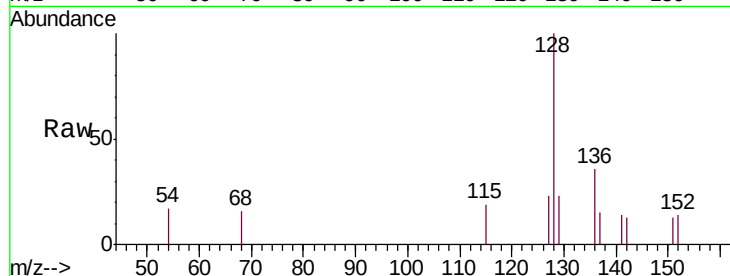
Tgt Ion:128 Resp: 784

Ion Ratio Lower Upper

128 100

129 23.2 12.3 18.5#

127 23.5 13.0 19.6#



#5

2-Methylnaphthalene

Concen: 0.074 ng/ul

RT: 12.09 min Scan# 3347

Delta R.T. -0.00 min

Lab File: BM021908.D

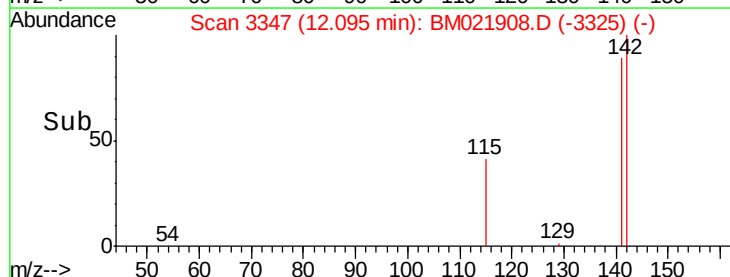
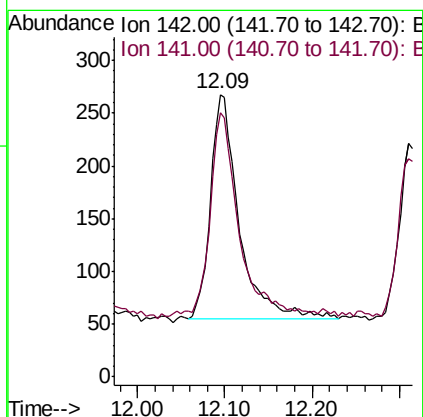
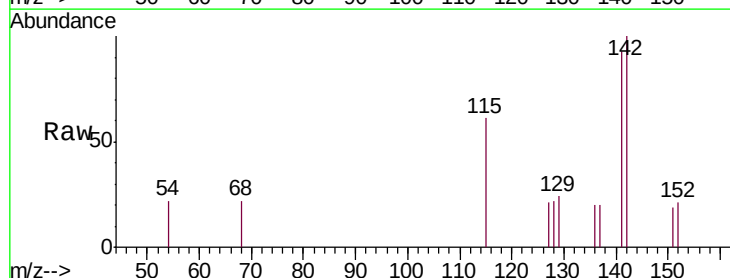
Acq: 07 Aug 2019 22:32

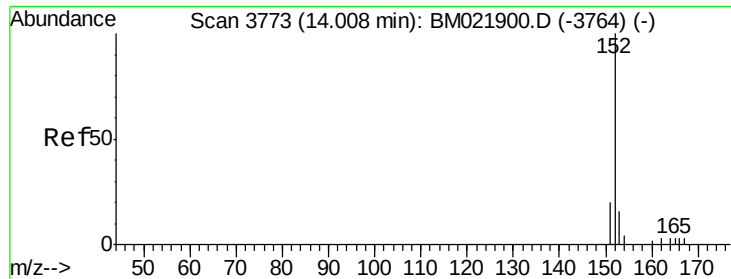
Tgt Ion:142 Resp: 490

Ion Ratio Lower Upper

142 100

141 89.4 74.3 111.5





#7

Acenaphthylene

Concen: 0.248 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

Instrument :

BNA_M

ClientSampleId :

BEP18DL

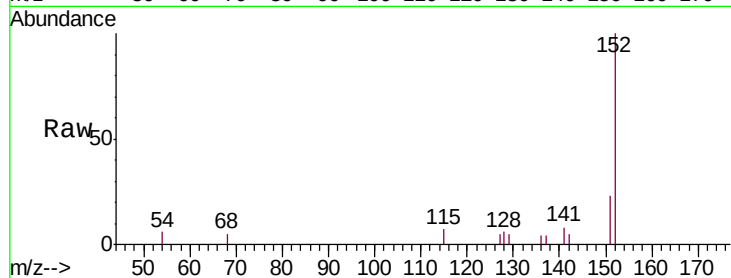
Tgt Ion:152 Resp: 2312

Ion Ratio Lower Upper

152 100

151 23.1 18.3 27.5

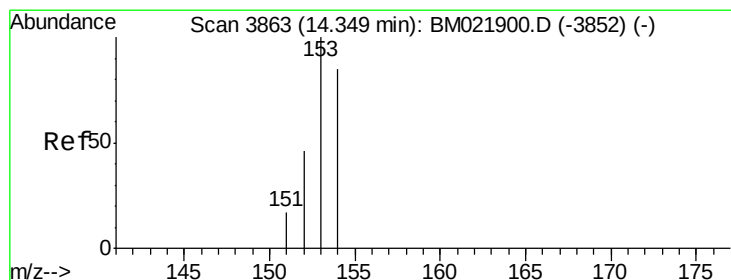
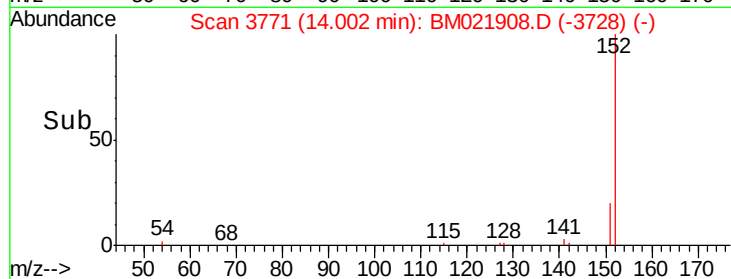
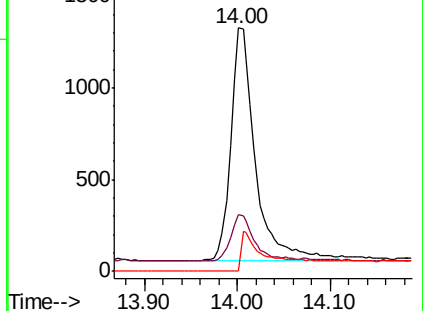
153 0.0 12.8 19.2#



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: 0.048 ng/ul

RT: 14.34 min Scan# 3861

Delta R.T. -0.01 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

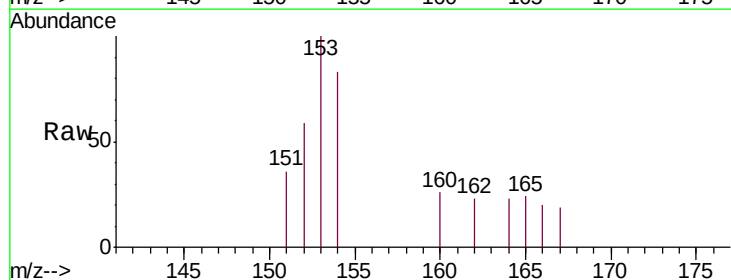
Tgt Ion:153 Resp: 369

Ion Ratio Lower Upper

153 100

152 59.4 41.3 61.9

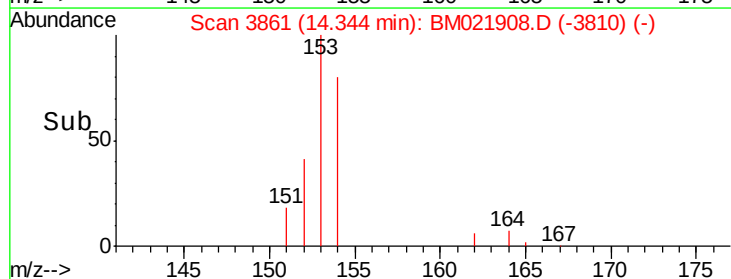
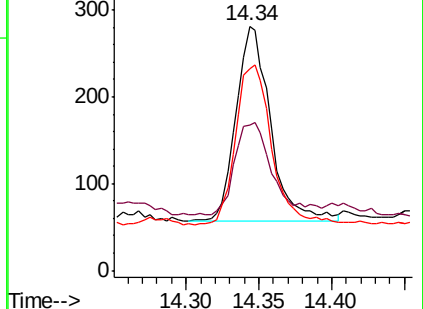
154 82.9 72.3 108.5

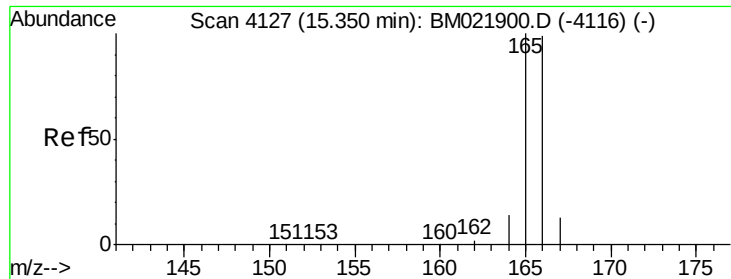


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

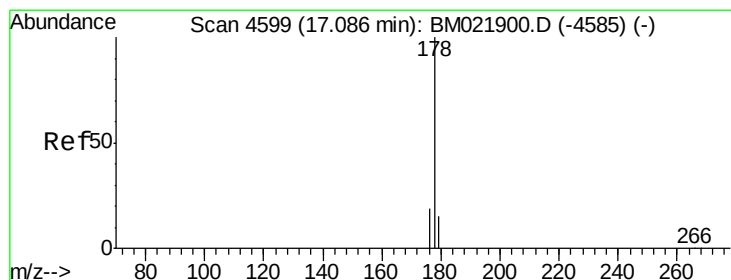
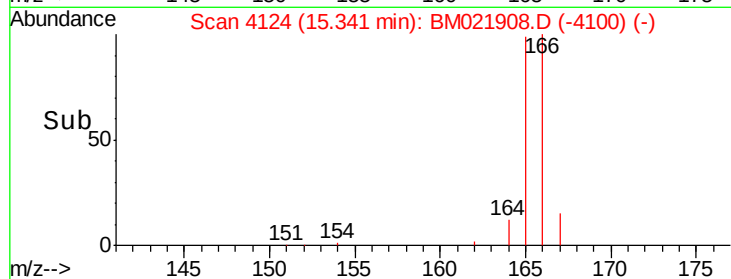
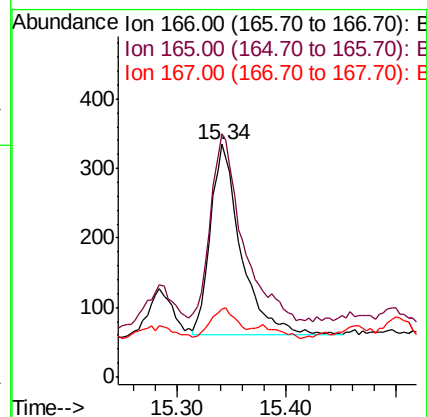
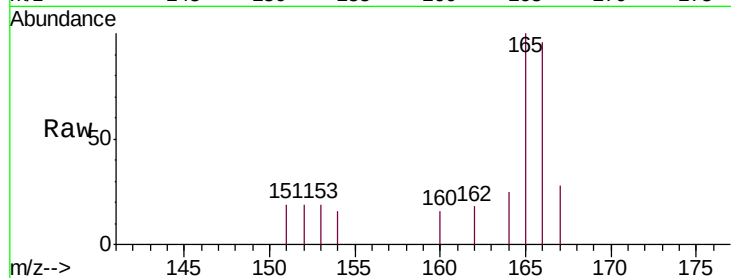




#9
Fluorene
 Concen: 0.062 ng/ul
 RT: 15.34 min Scan# 4124
 Delta R.T. -0.01 min
 Lab File: BM021908.D
 Acq: 07 Aug 2019 22:32

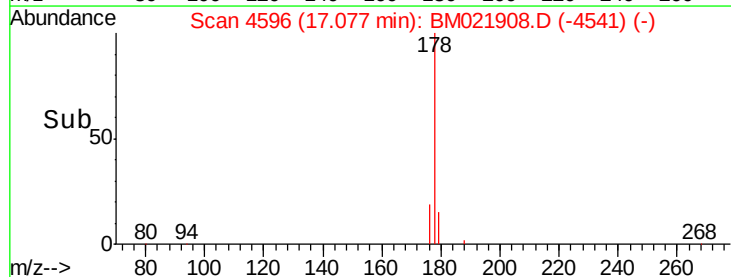
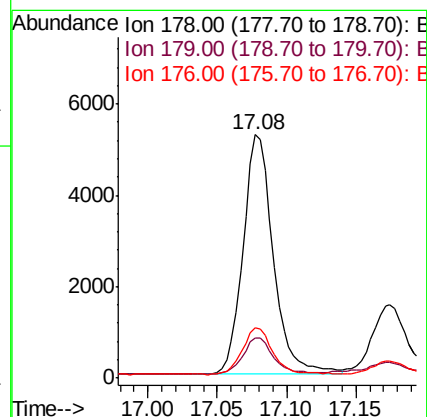
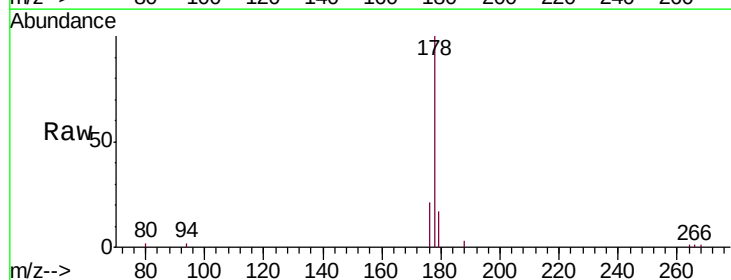
Instrument :
 BNA_M
 ClientSampleId :
 BEP18DL

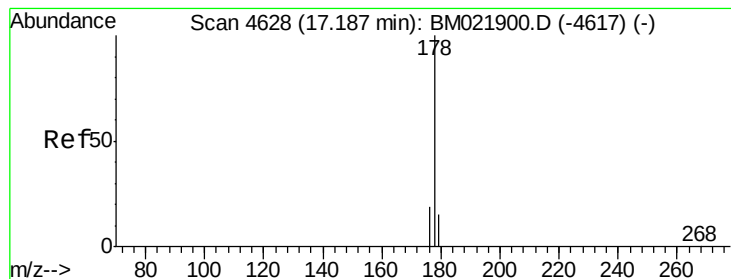
Tgt Ion:166 Resp: 527
 Ion Ratio Lower Upper
 166 100
 165 104.5 81.4 122.0
 167 29.0 13.7 20.5#



#12
Phenanthrene
 Concen: 0.608 ng/ul
 RT: 17.08 min Scan# 4596
 Delta R.T. -0.01 min
 Lab File: BM021908.D
 Acq: 07 Aug 2019 22:32

Tgt Ion:178 Resp: 7983
 Ion Ratio Lower Upper
 178 100
 179 16.6 14.2 21.2
 176 20.7 16.8 25.2





#13

Anthracene

Concen: 0.241 ng/ul

RT: 17.17 min Scan# 4624

Delta R.T. -0.01 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

Instrument :

BNA_M

ClientSampleId :

BEP18DL

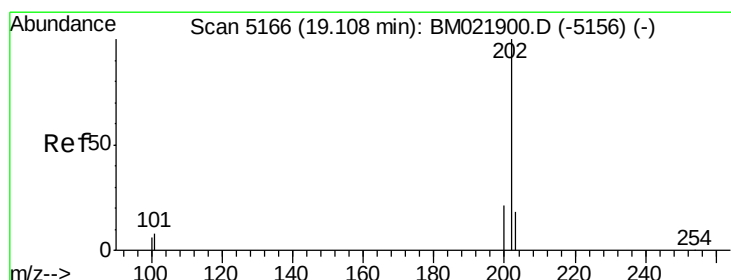
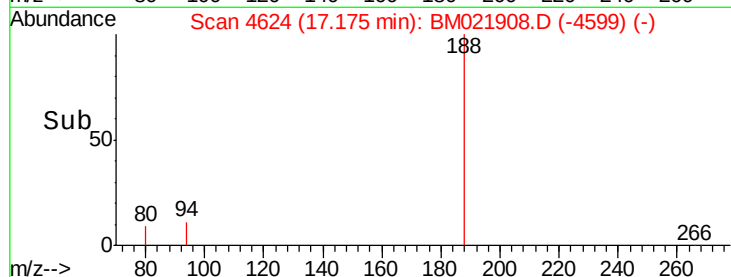
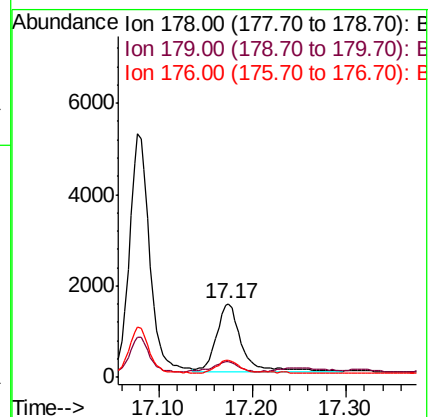
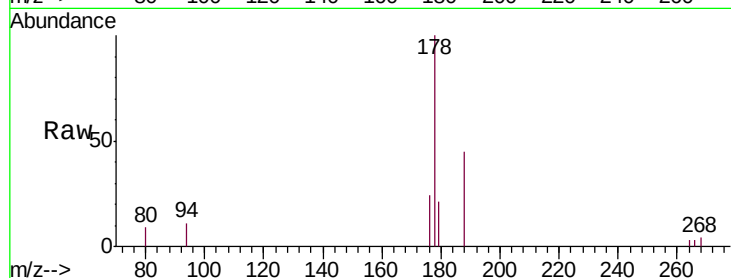
Tgt Ion:178 Resp: 2705

Ion Ratio Lower Upper

178 100

179 21.3 15.5 23.3

176 23.6 16.6 25.0



#15

Fluoranthene

Concen: 1.137 ng/ul

RT: 19.10 min Scan# 5163

Delta R.T. -0.01 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

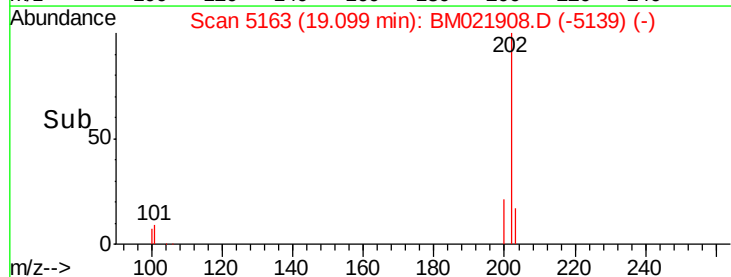
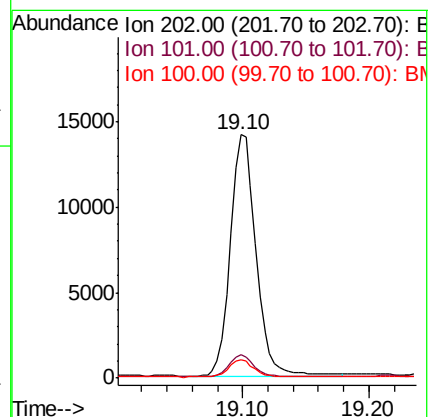
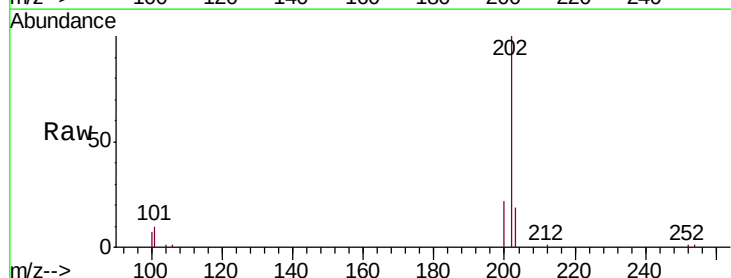
Tgt Ion:202 Resp: 20008

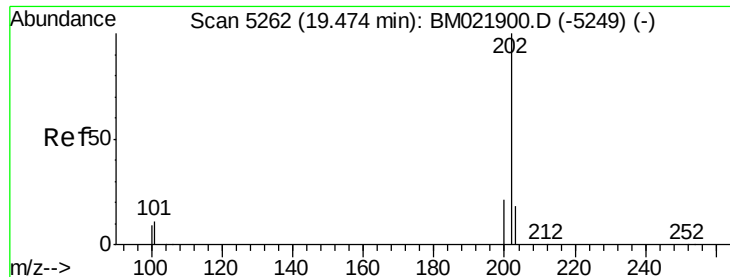
Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.2

100 7.5 0.0 28.1

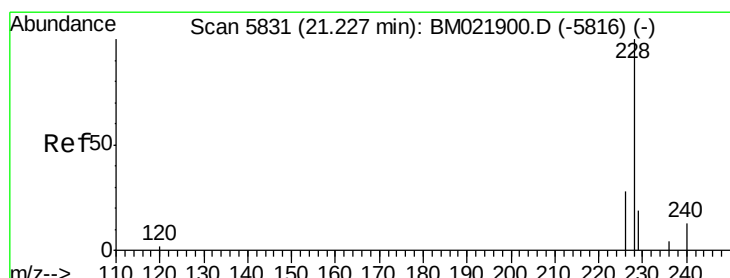
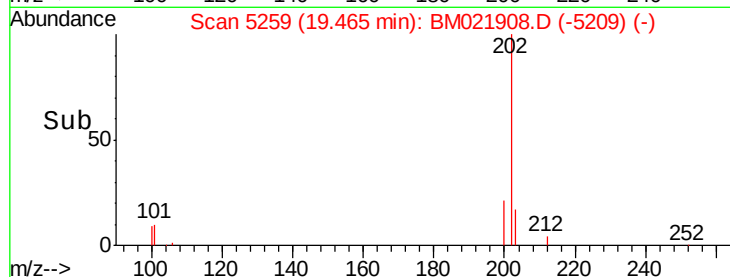
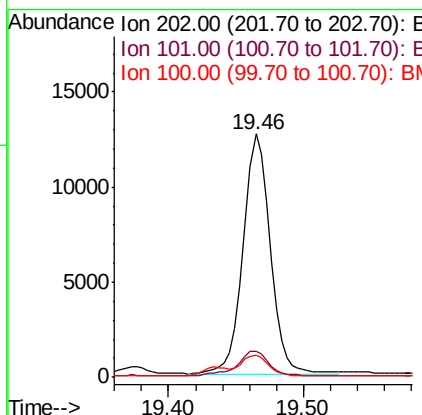
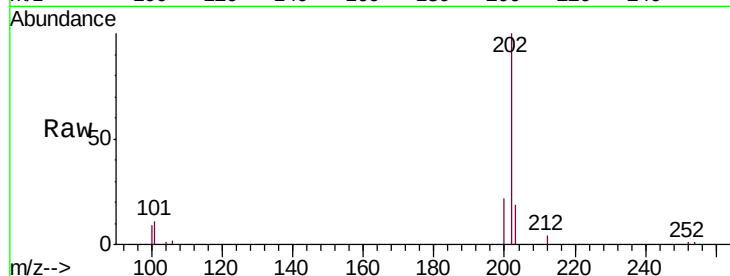




#17
 Pyrene
 Concen: 0.894 ng/ul
 RT: 19.46 min Scan# 5259
 Delta R.T. -0.01 min
 Lab File: BM021908.D
 Acq: 07 Aug 2019 22:32

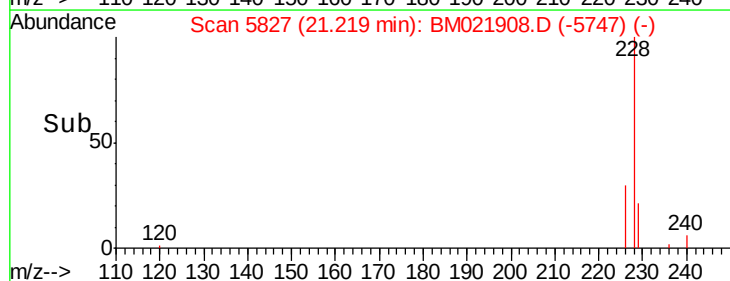
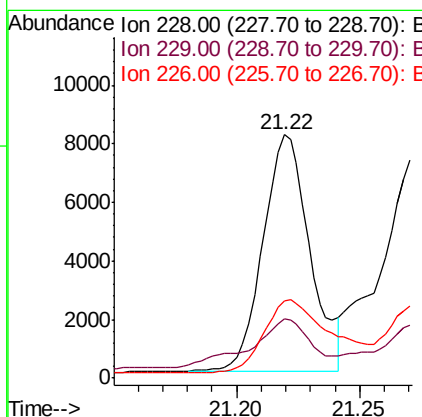
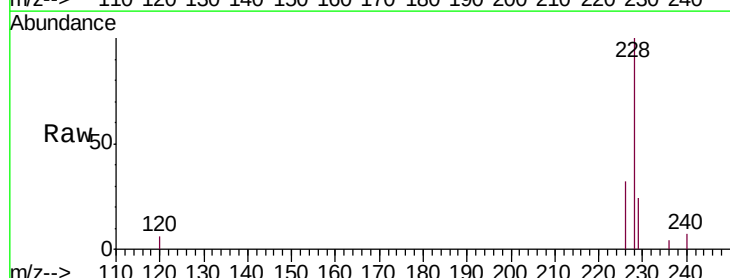
Instrument :
 BNA_M
 ClientSampleId :
 BEP18DL

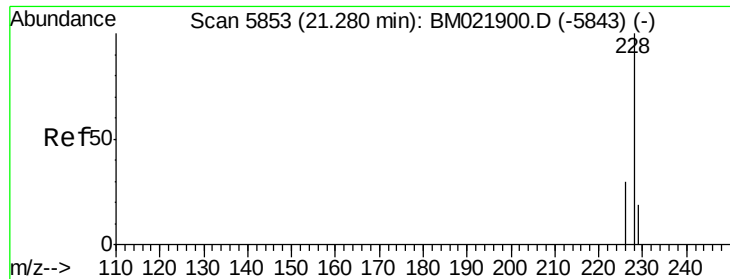
Tgt Ion:202 Resp: 17148
 Ion Ratio Lower Upper
 202 100
 101 10.8 8.3 12.5
 100 9.0 7.2 10.8



#18
 Benzo(a)anthracene
 Concen: 0.635 ng/ul
 RT: 21.22 min Scan# 5827
 Delta R.T. -0.01 min
 Lab File: BM021908.D
 Acq: 07 Aug 2019 22:32

Tgt Ion:228 Resp: 10602
 Ion Ratio Lower Upper
 228 100
 229 24.4 17.2 25.8
 226 32.0 22.6 34.0





#19

Chrysene

Concen: 0.559 ng/ul

RT: 21.27 min Scan# 5848

Delta R.T. -0.01 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

Instrument :

BNA_M

ClientSampleId :

BEP18DL

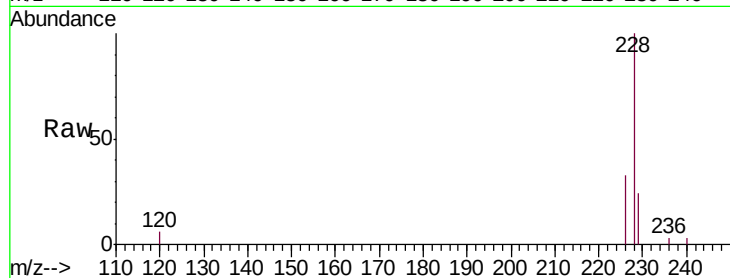
Tgt Ion:228 Resp: 12005

Ion Ratio Lower Upper

228 100

226 33.1 24.9 37.3

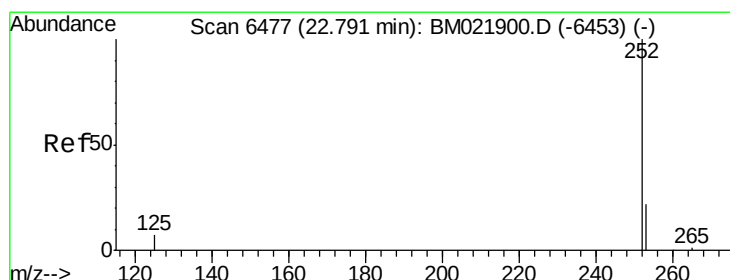
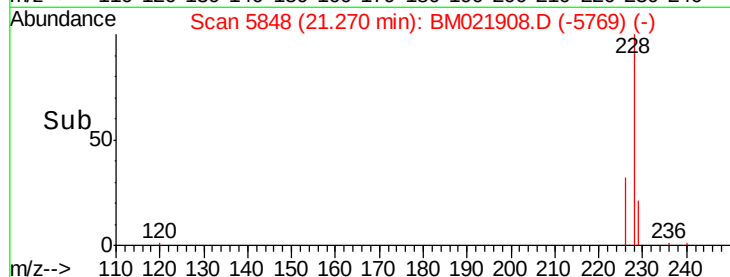
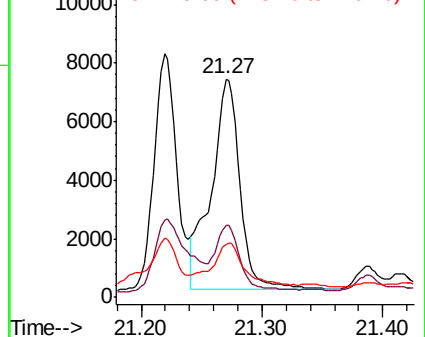
229 24.3 16.6 25.0



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: 1.368 ng/ul

RT: 22.79 min Scan# 6474

Delta R.T. -0.01 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

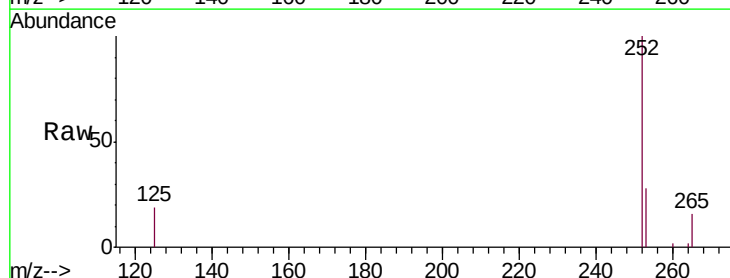
Tgt Ion:252 Resp: 26223

Ion Ratio Lower Upper

252 100

253 27.6 0.0 67.4

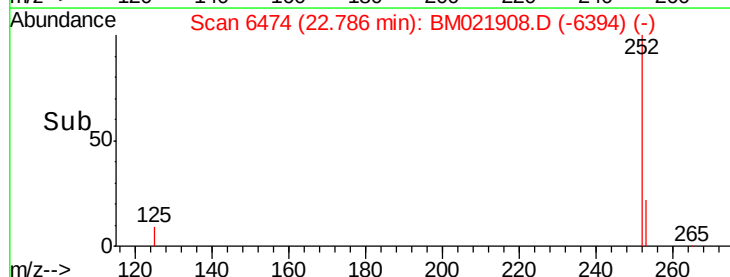
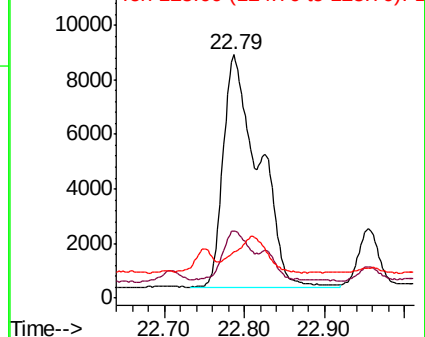
125 19.1 0.0 31.0

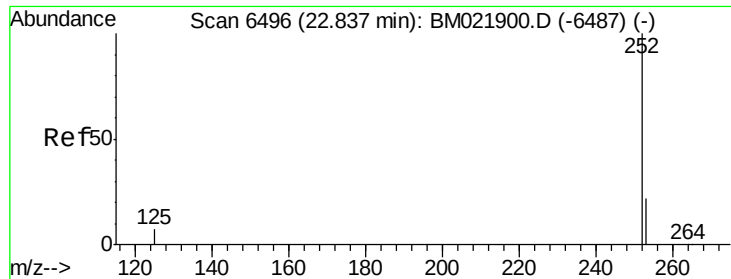


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.209 ng/ul

RT: 22.79 min Scan# 6474

Delta R.T. -0.05 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

Instrument :

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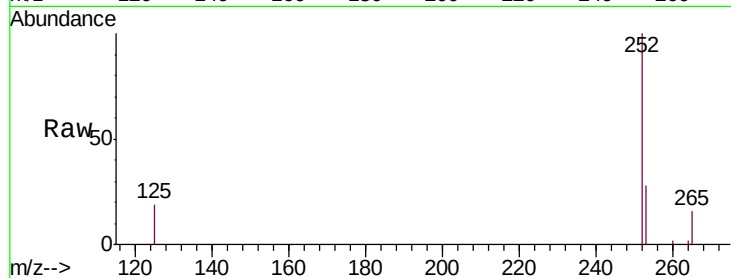
Tgt Ion:252 Resp: 26223

Ion Ratio Lower Upper

252 100

253 27.6 27.0 40.4

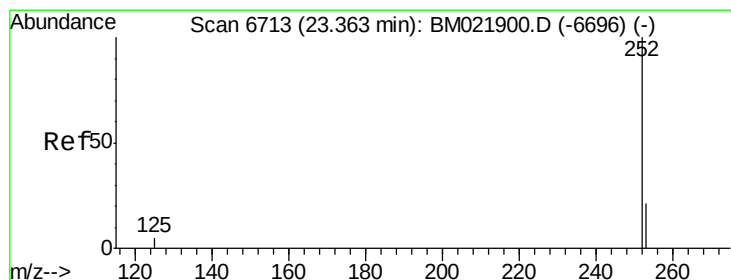
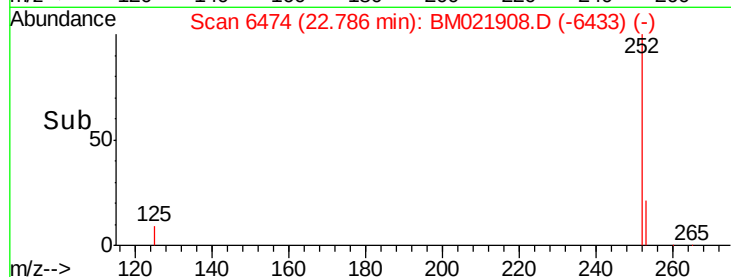
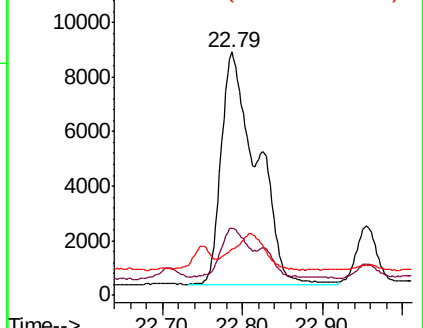
125 19.1 12.2 18.2#



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: 0.641 ng/ul

RT: 23.35 min Scan# 6708

Delta R.T. -0.01 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

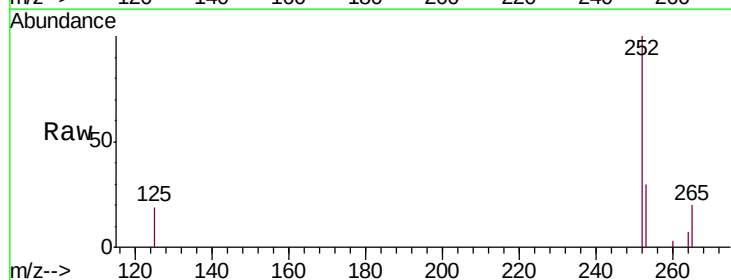
Tgt Ion:252 Resp: 12496

Ion Ratio Lower Upper

252 100

253 30.0 31.7 47.5#

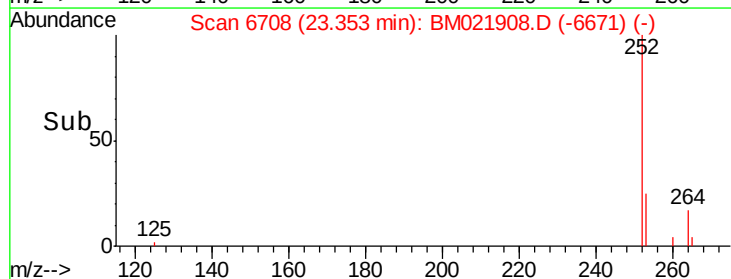
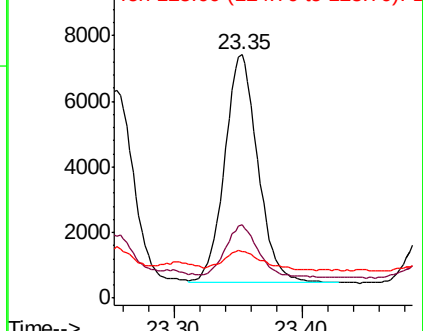
125 19.0 14.6 21.8

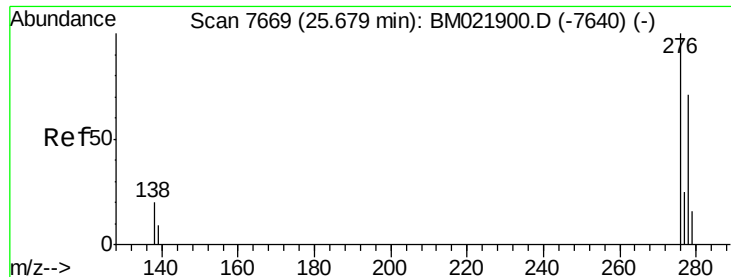


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



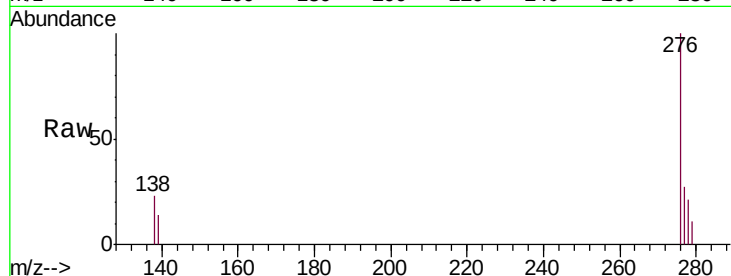


#24

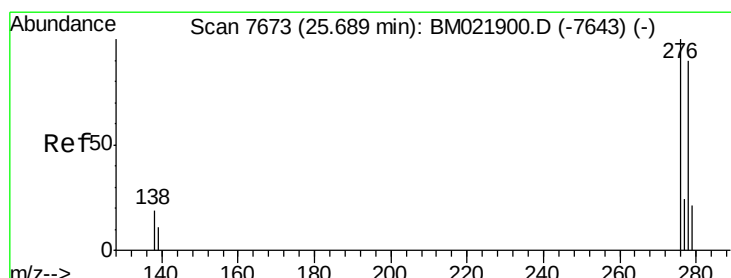
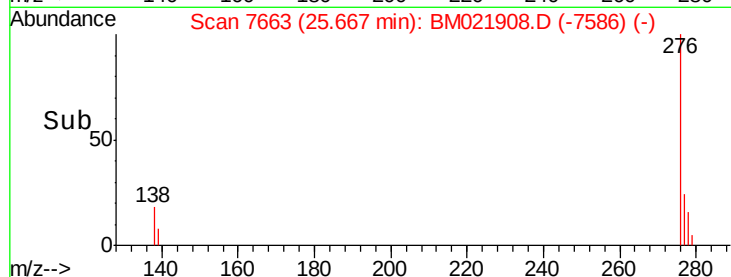
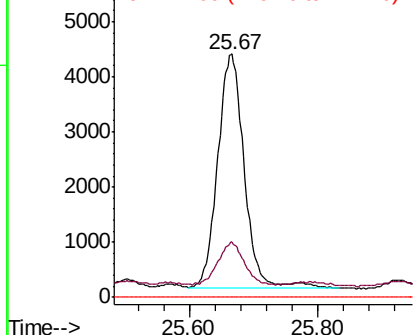
Indeno(1,2,3-cd)pyrene
Concen: 0.525 ng/ul
RT: 25.67 min Scan# 7663
Delta R.T. -0.01 min
Lab File: BM021908.D
Acq: 07 Aug 2019 22:32

Instrument :
BNA_M
ClientSampleId :
BEP18DL

Tgt Ion:276 Resp: 12223
Ion Ratio Lower Upper
276 100
138 18.3 15.1 22.7
227 0.0 0.0 0.0



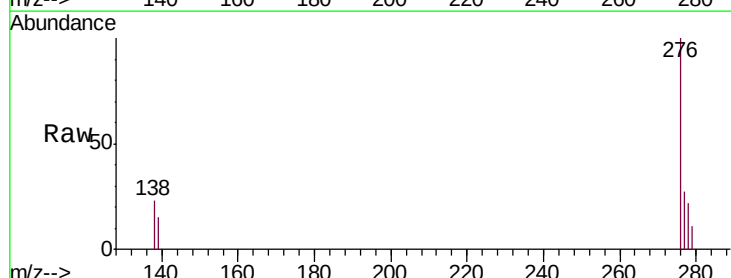
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



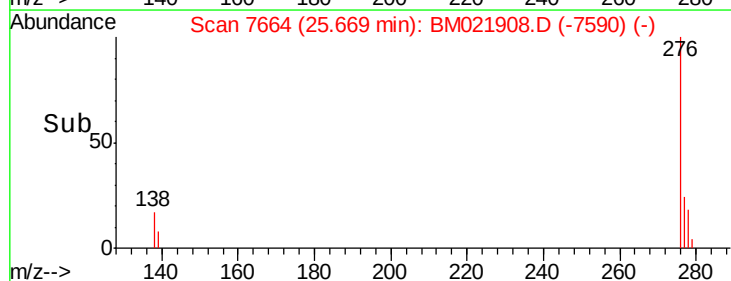
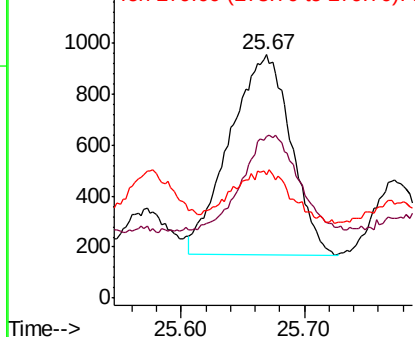
#25

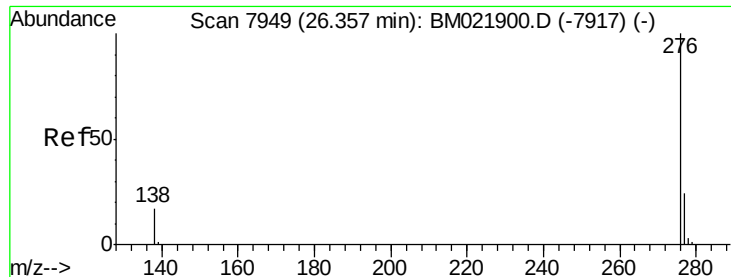
Dibenzo(a,h)anthracene
Concen: 0.145 ng/ul
RT: 25.67 min Scan# 7664
Delta R.T. -0.02 min
Lab File: BM021908.D
Acq: 07 Aug 2019 22:32

Tgt Ion:278 Resp: 2728
Ion Ratio Lower Upper
278 100
139 66.2 14.2 21.2#
279 50.5 28.3 42.5#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#26

Benzo(g,h,i)perylene

Concen: 0.631 ng/ul

RT: 26.35 min Scan# 7943

Delta R.T. -0.01 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

Instrument :

BNA_M

ClientSampleId :

BEP18DL

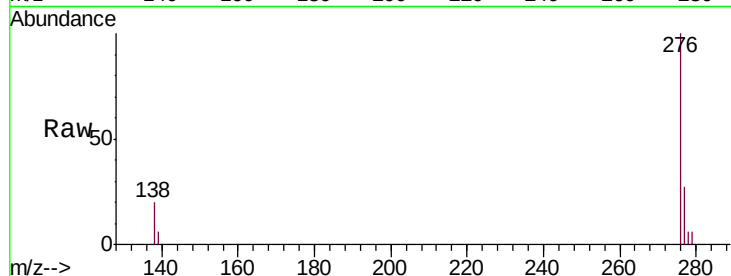
Tgt Ion: 276 Resp: 13221

Ion Ratio Lower Upper

276 100

138 19.7 15.5 23.3

277 26.7 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

6000 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

