

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM123015\
 Data File : BM003838.D
 Acq On : 28 Dec 2015 20:58
 Operator : SJ/UM
 Sample : G4849-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N66

Quant Time: Dec 29 07:14:08 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 29 07:09:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3757	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	16415	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.33	164	10131	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.18	188	1597912	0.40	ng/ul	0.10
18) Chrysene-d12	21.28	240	18391	0.40	ng/ul	0.00
22) Perylene-d12	23.38	264	1221495	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.14	96	22801	14.20	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.06	152	8915	0.45	ng/ul	-0.01
16) Fluoranthene-d10	19.12	212	21668	0.01	ng/ul	0.00

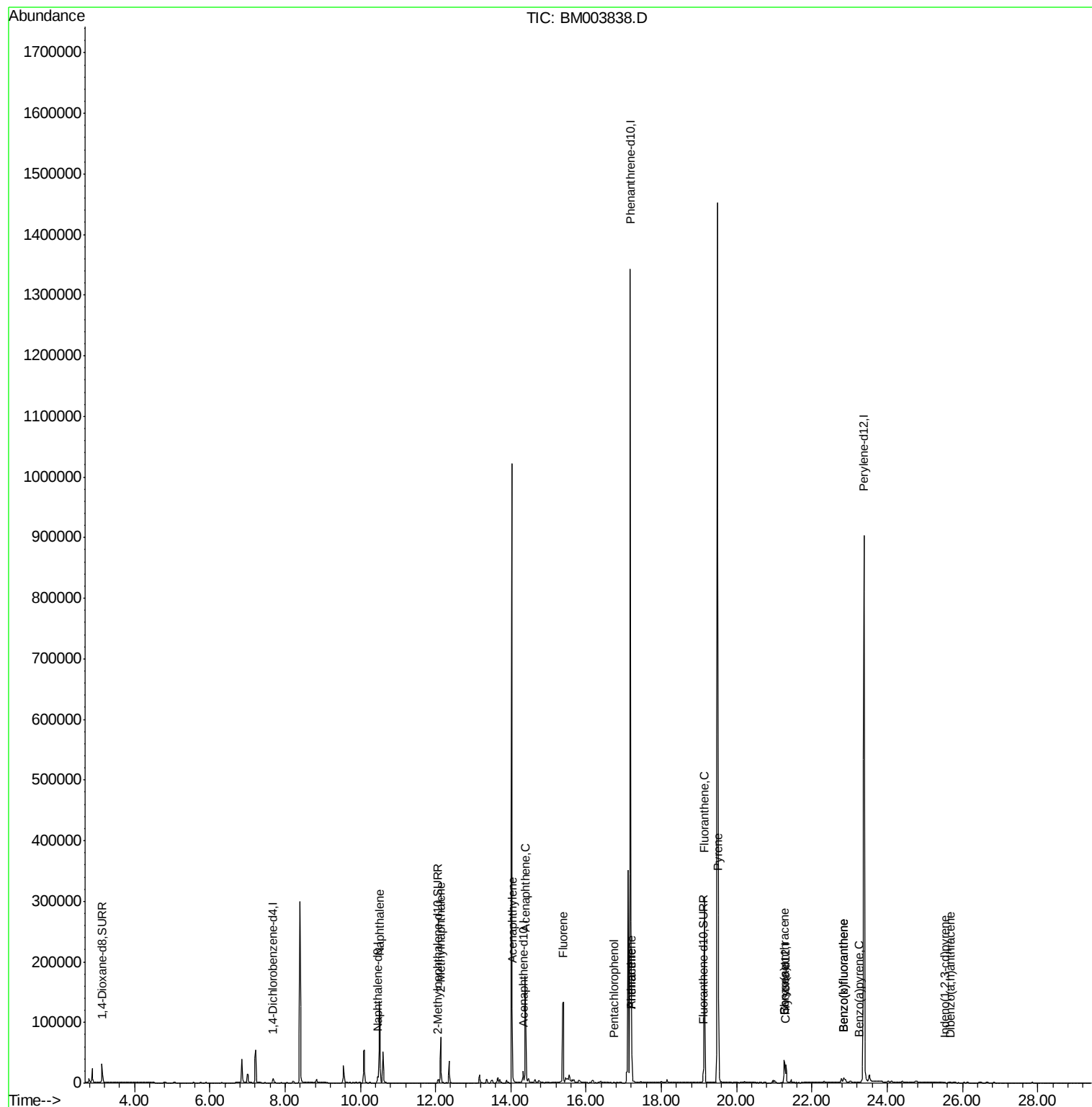
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.51	128	190514	5.15	ng/ul	97
7) 2-Methylnaphthalene	12.13	142	56455	2.27	ng/ul	99
9) Acenaphthylene	14.04	152	8331	0.22	ng/ul#	96
10) Acenaphthene	14.38	153	116518	3.74	ng/ul#	80
11) Fluorene	15.39	166	127489	3.69	ng/ul	96
13) Pentachlorophenol	16.75	266	46	0.00	ng/ul#	78
14) Phenanthrene	17.21	178	45779	0.01	ng/ul	97
15) Anthracene	17.21	178	45916	0.01	ng/ul	99
17) Fluoranthene	19.14	202	278842	0.06	ng/ul	99
19) Pyrene	19.51	202	190373	3.83	ng/ul	99
20) Benzo(a)anthracene	21.26	228	32721	0.73	ng/ul#	92
21) Chrysene	21.26	228	32721	0.64	ng/ul	96
23) Benzo(b)fluoranthene	22.85	252	9761	0.00	ng/ul	89
24) Benzo(k)fluoranthene	22.85	252	16870	0.00	ng/ul#	91
25) Benzo(a)pyrene	23.24	252	172	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.54	276	1370	0.00	ng/ul#	38
27) Dibenzo(a,h)anthracene	25.68	278	1382	0.00	ng/ul#	1

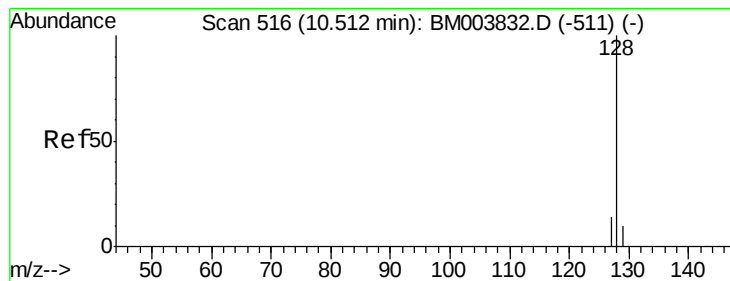
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 5.15 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. 0.00 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

Instrument :

BNA_G

ClientSampleId :

D9N66

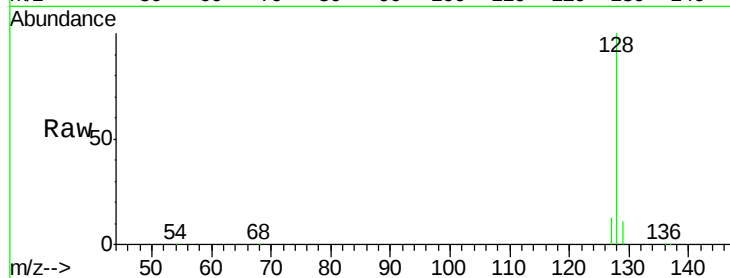
Tgt Ion:128 Resp: 190514

Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.6

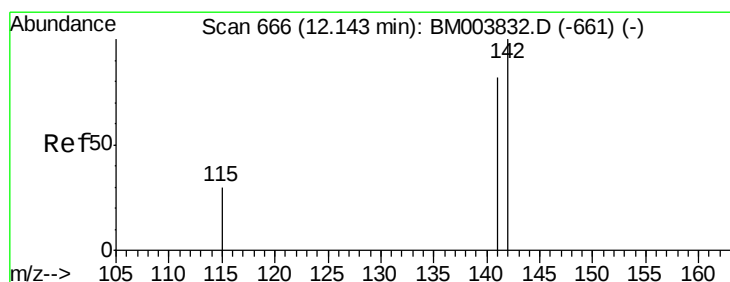
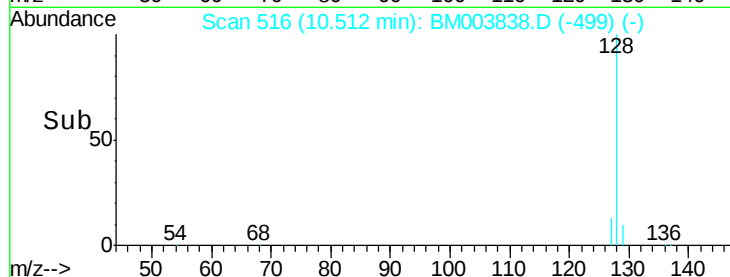
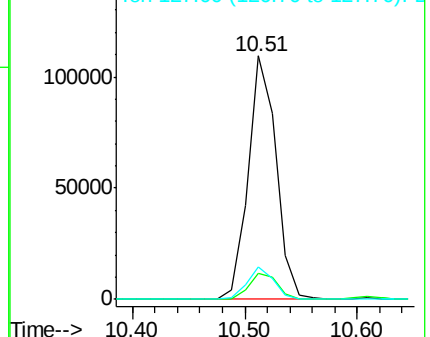
127 13.3 9.6 14.4



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



#7

2-Methylnaphthalene

Concen: 2.27 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.01 min

Lab File: BM003838.D

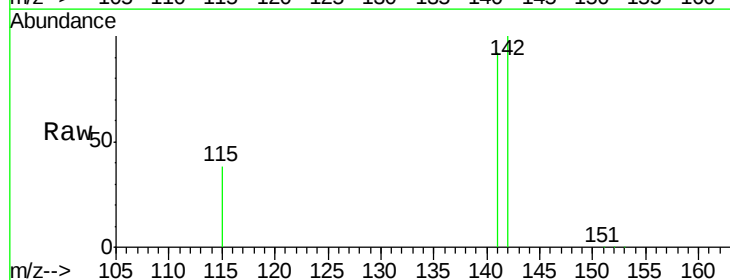
Acq: 28 Dec 2015 20:58

Tgt Ion:142 Resp: 56455

Ion Ratio Lower Upper

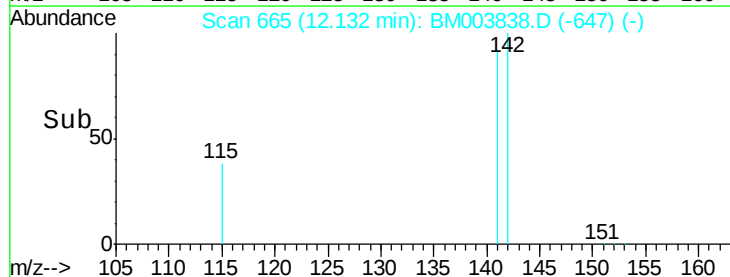
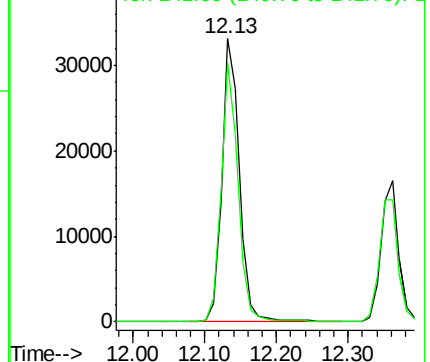
142 100

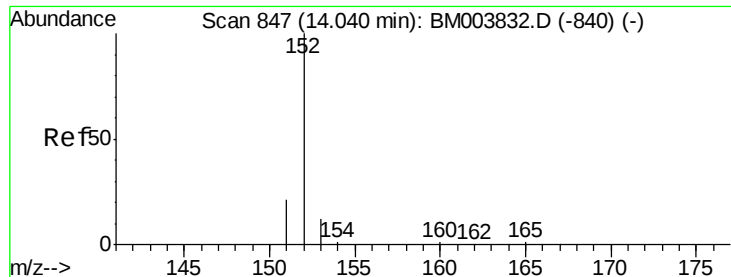
141 88.9 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.22 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

Instrument :

BNA_G

ClientSampleId :

D9N66

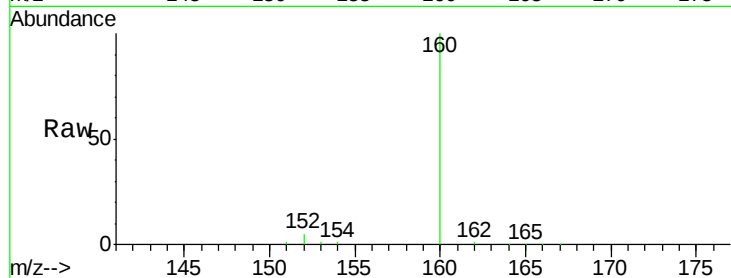
Tgt Ion:152 Resp: 8331

Ion Ratio Lower Upper

152 100

151 21.4 17.6 26.4

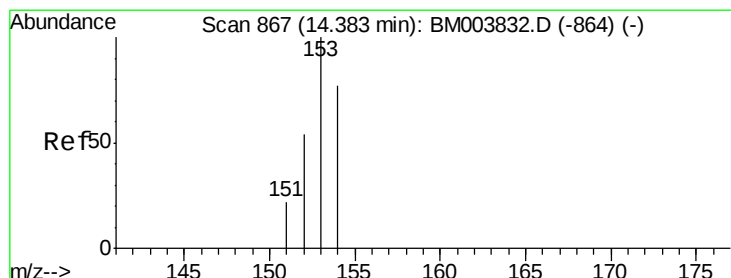
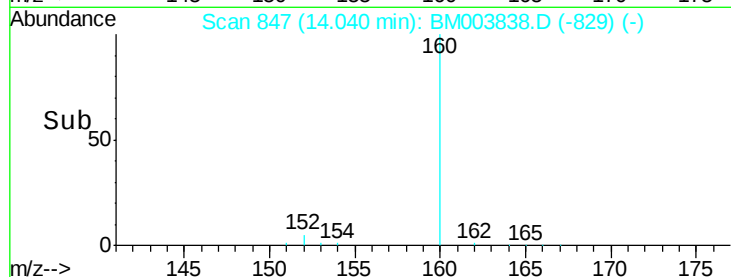
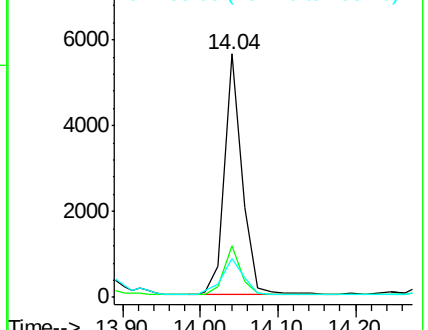
153 15.9 9.7 14.5#



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



#10

Acenaphthene

Concen: 3.74 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

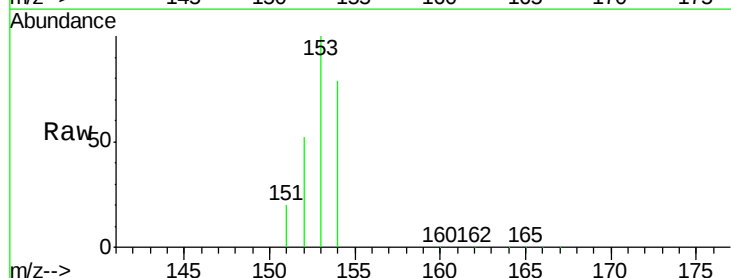
Tgt Ion:153 Resp: 116518

Ion Ratio Lower Upper

153 100

152 51.6 33.9 50.9#

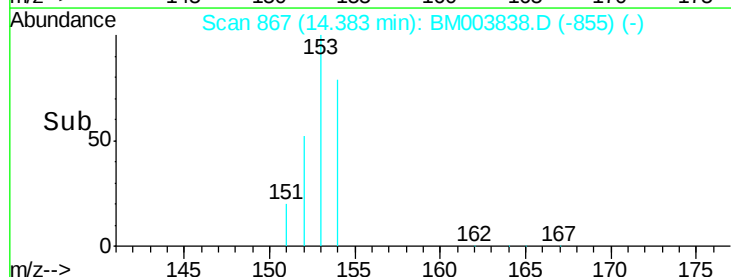
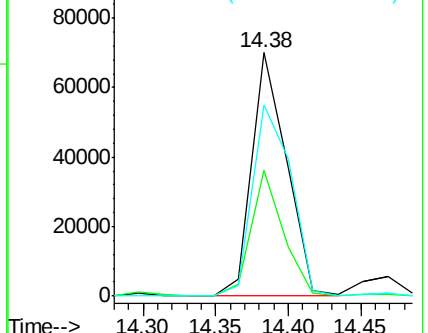
154 78.7 80.6 121.0#

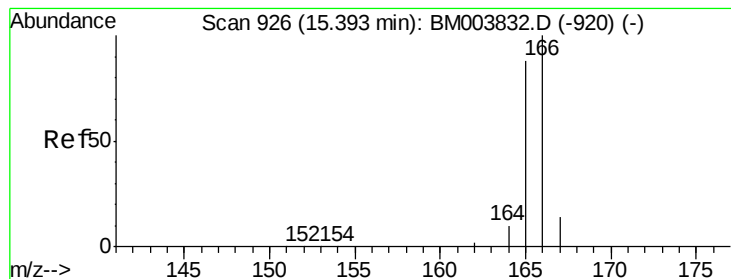


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 3.69 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. -0.00 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

Instrument :

BNA_G

ClientSampleId :

D9N66

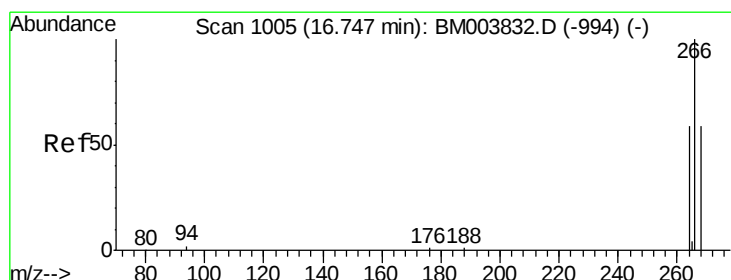
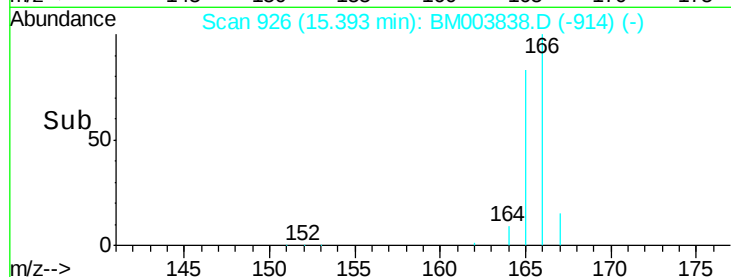
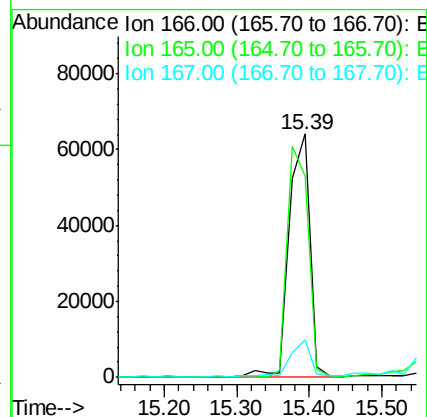
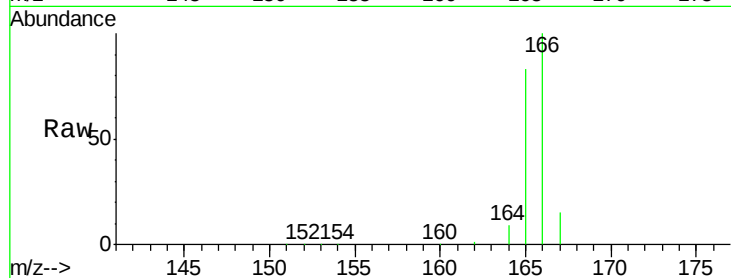
Tgt Ion:166 Resp: 127489

Ion Ratio Lower Upper

166 100

165 82.8 69.6 104.4

167 15.3 11.9 17.9



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.75 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

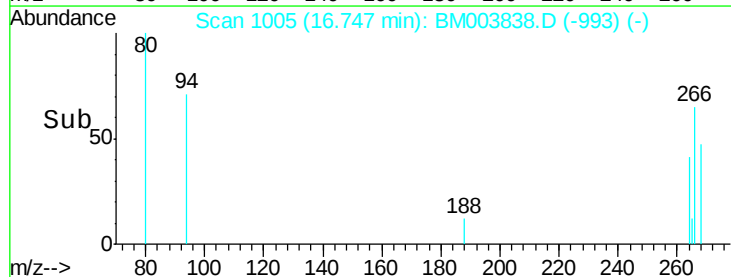
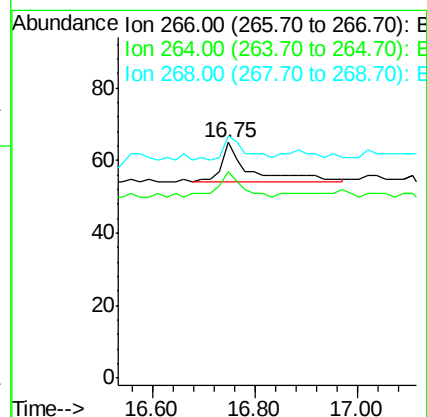
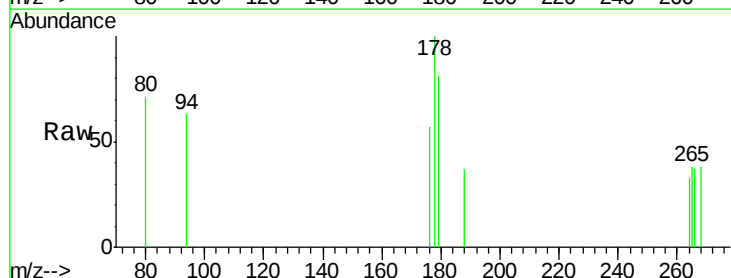
Tgt Ion:266 Resp: 46

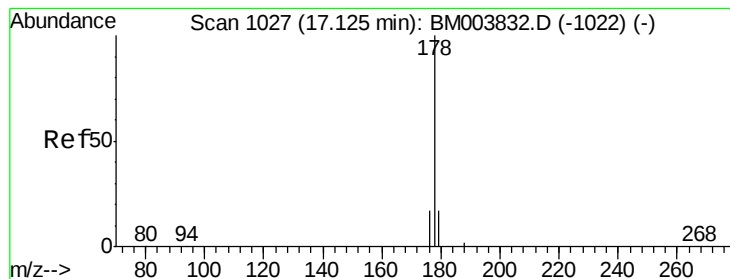
Ion Ratio Lower Upper

266 100

264 43.5 51.8 77.8#

268 45.7 46.8 70.2#





#14

Phenanthrene

Concen: 0.01 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. 0.09 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

Instrument :

BNA_G

ClientSampleId :

D9N66

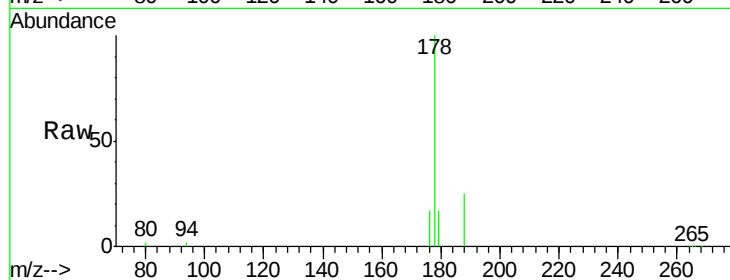
Tgt Ion:178 Resp: 45779

Ion Ratio Lower Upper

178 100

176 17.4 13.0 19.4

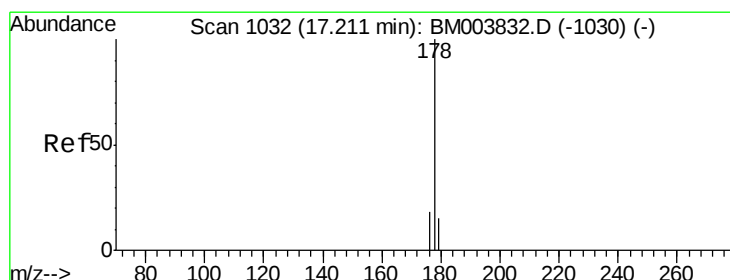
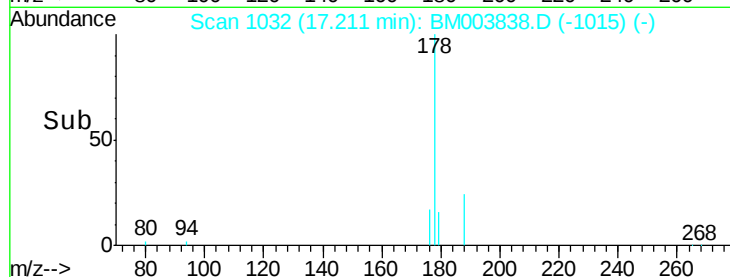
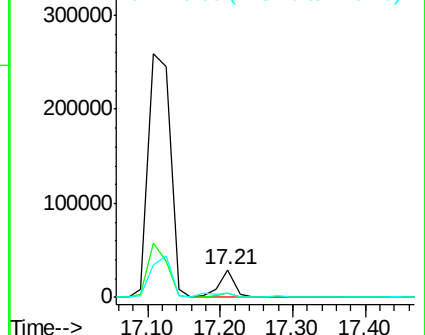
179 16.5 14.2 21.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Anthracene

Concen: 0.01 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

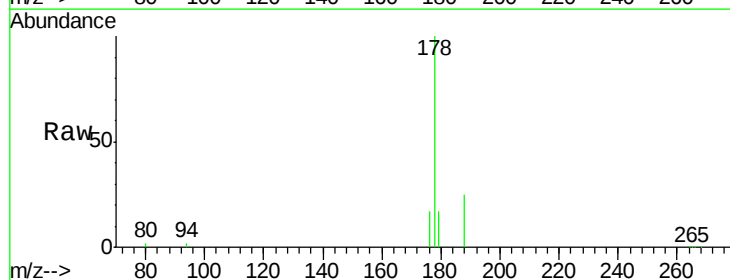
Tgt Ion:178 Resp: 45916

Ion Ratio Lower Upper

178 100

176 17.4 14.0 21.0

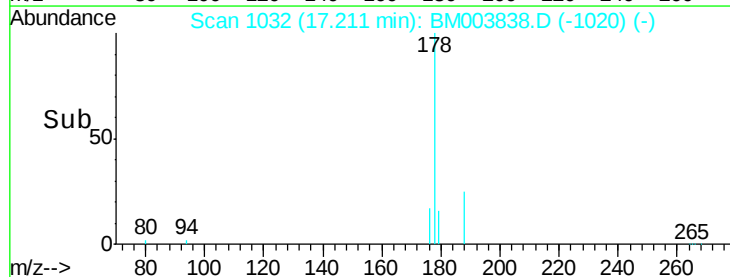
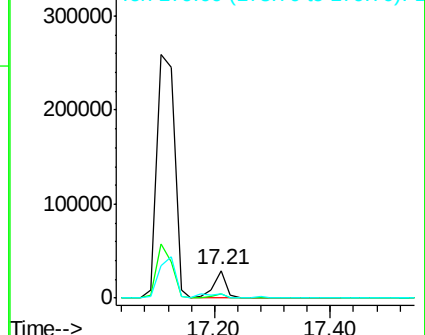
179 16.5 12.9 19.3

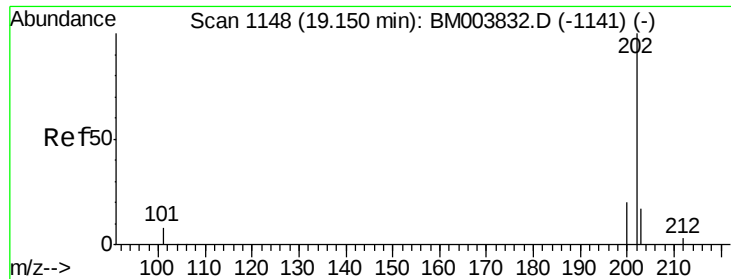


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

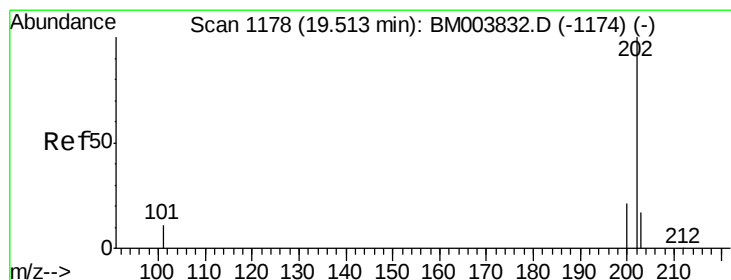
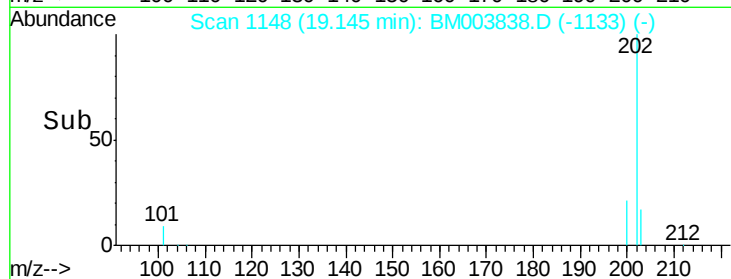
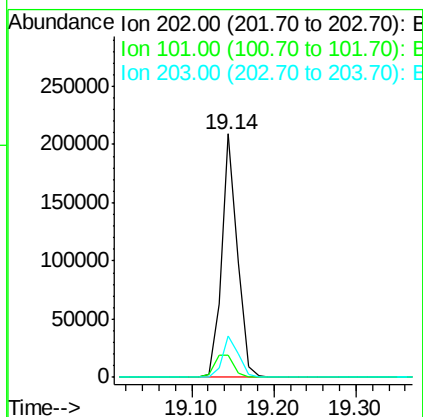
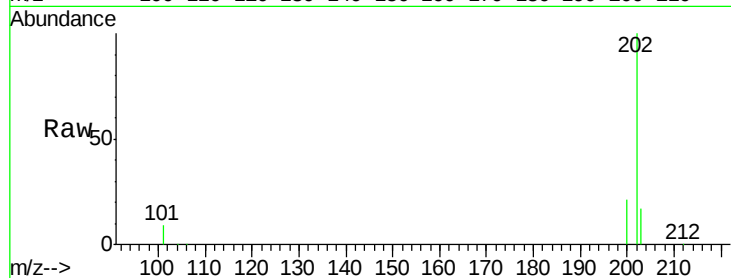




#17
Fluoranthene
 Concen: 0.06 ng/ul
 RT: 19.14 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BM003838.D
 Acq: 28 Dec 2015 20:58

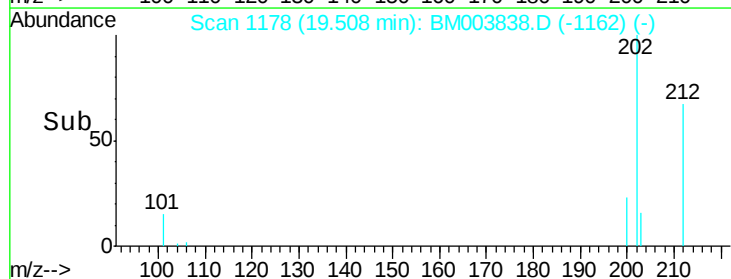
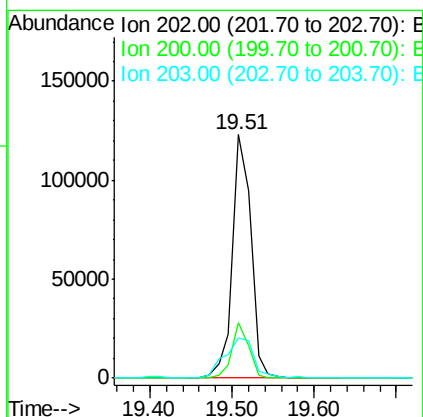
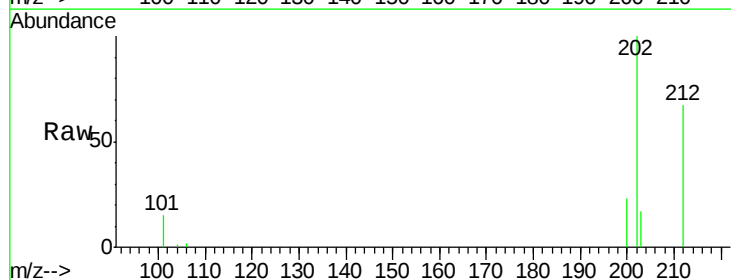
Instrument :
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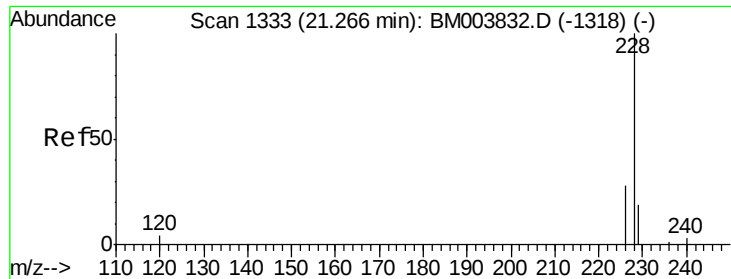
Tgt Ion:202 Resp: 278842
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 29.6
 203 16.7 0.0 36.3



#19
Pyrene
 Concen: 3.83 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BM003838.D
 Acq: 28 Dec 2015 20:58

Tgt Ion:202 Resp: 190373
 Ion Ratio Lower Upper
 202 100
 200 22.8 17.8 26.8
 203 16.5 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.73 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

Instrument :

BNA_G

ClientSampleId :

D9N66

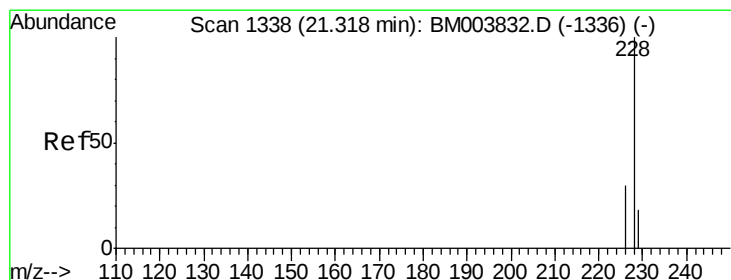
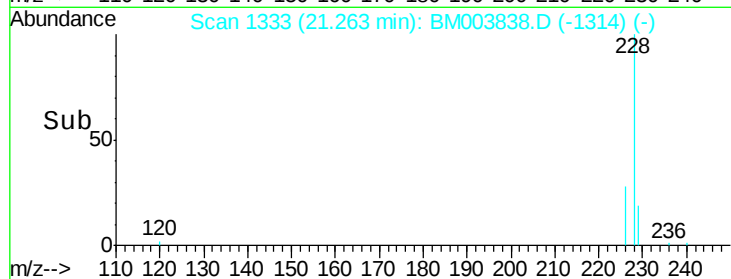
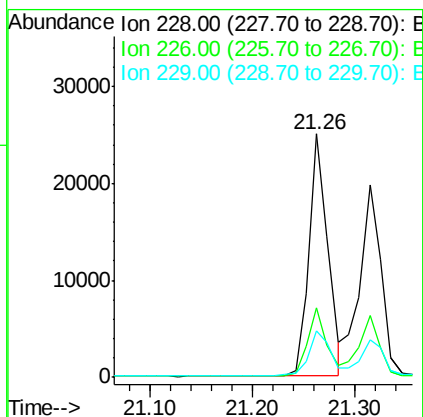
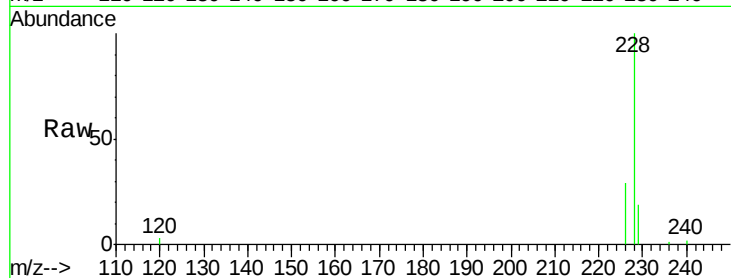
Tgt Ion:228 Resp: 32721

Ion Ratio Lower Upper

228 100

226 28.7 18.8 28.2#

229 19.3 17.1 25.7



#21

Chrysene

Concen: 0.64 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.06 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

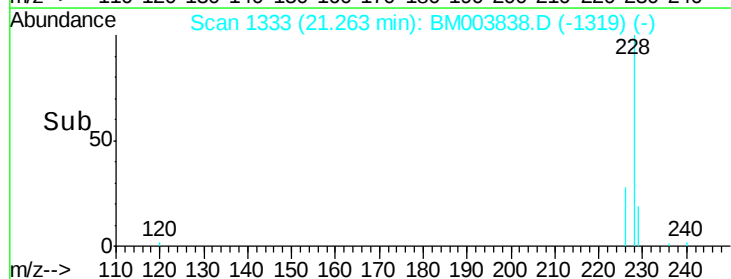
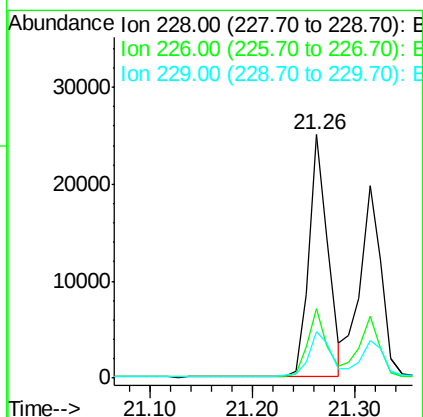
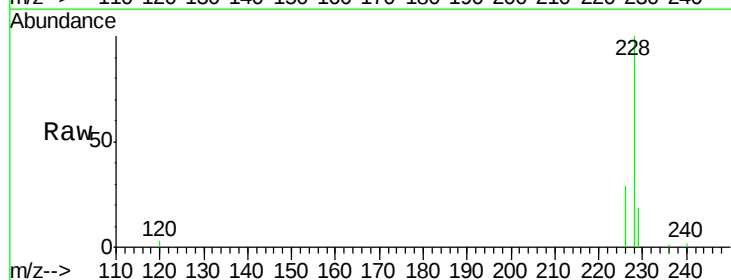
Tgt Ion:228 Resp: 32721

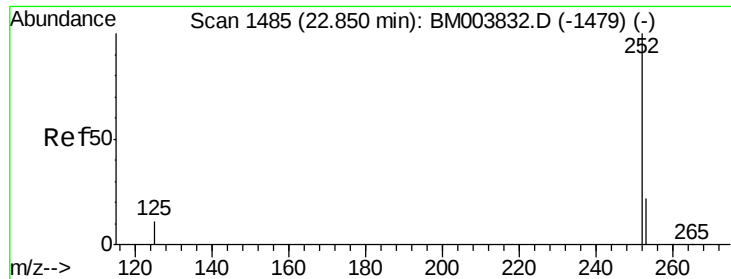
Ion Ratio Lower Upper

228 100

226 28.7 21.2 31.8

229 19.3 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.85 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

Instrument :

BNA_G

ClientSampleId :

D9N66

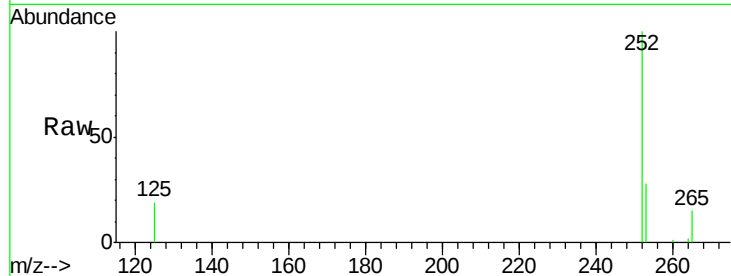
Tgt Ion:252 Resp: 9761

Ion Ratio Lower Upper

252 100

253 28.3 0.0 45.4

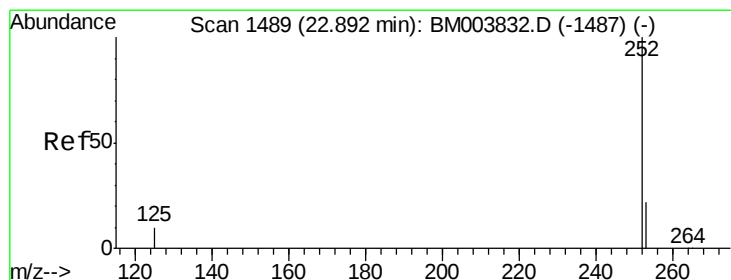
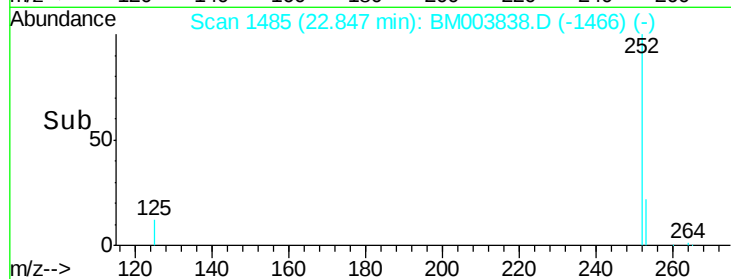
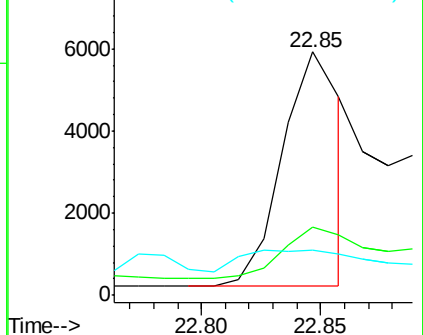
125 18.6 0.0 28.8



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

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.85 min Scan# 1485

Delta R.T. -0.05 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

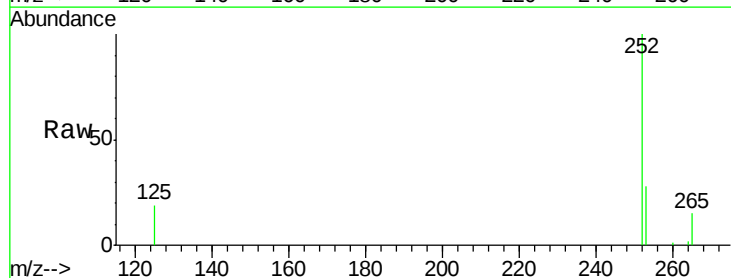
Tgt Ion:252 Resp: 16870

Ion Ratio Lower Upper

252 100

253 28.3 19.8 29.8

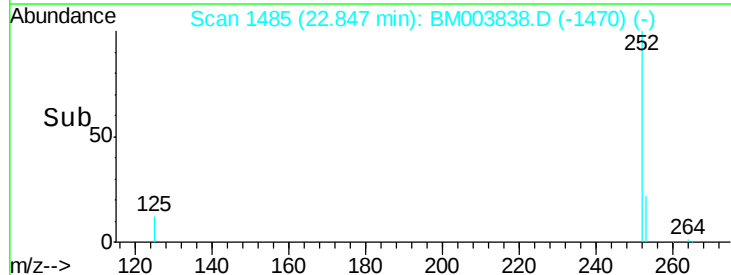
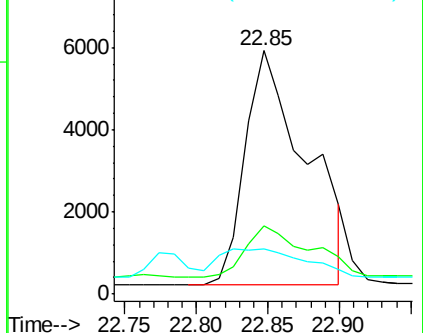
125 18.6 10.4 15.6#

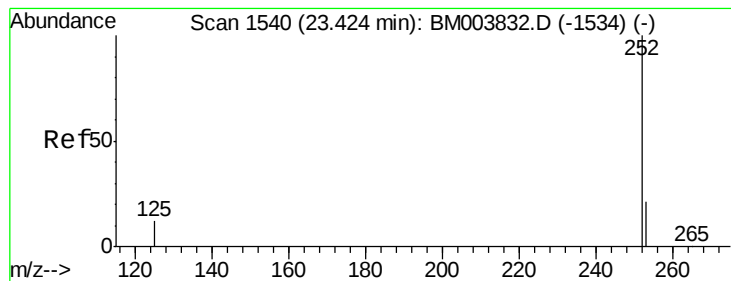


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.24 min Scan# 1523

Delta R.T. -0.18 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

Instrument :

BNA_G

ClientSampleId :

D9N66

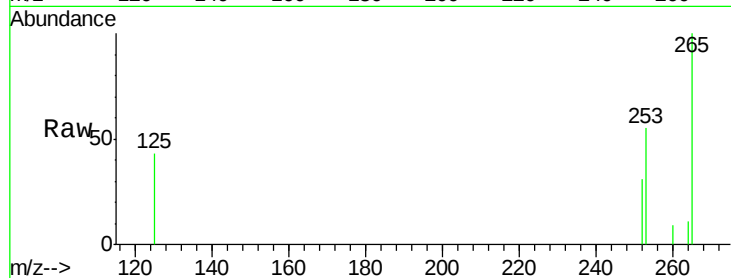
Tgt Ion:252 Resp: 172

Ion Ratio Lower Upper

252 100

253 179.1 19.4 29.2#

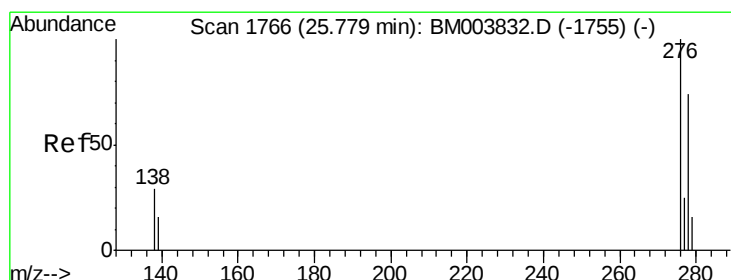
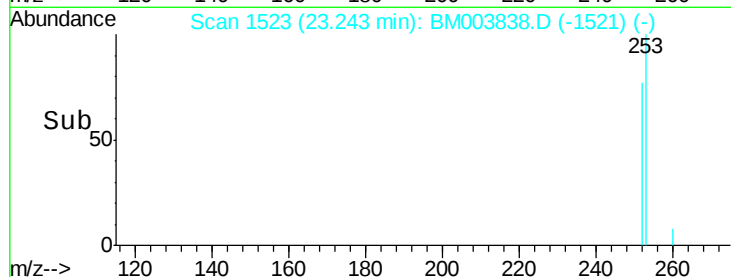
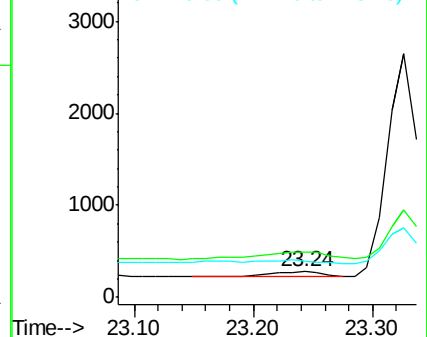
125 141.2 12.7 19.1#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/u1

RT: 25.54 min Scan# 1743

Delta R.T. -0.24 min

Lab File: BM003838.D

Acq: 28 Dec 2015 20:58

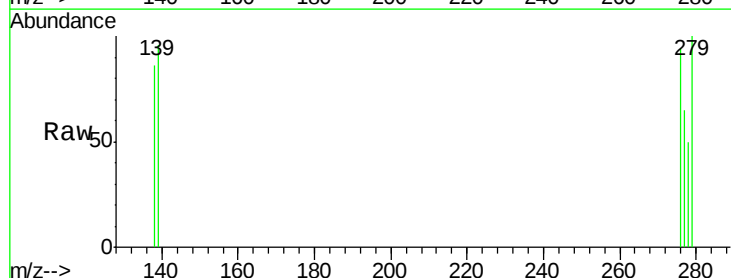
Tgt Ion:276 Resp: 1370

Ion Ratio Lower Upper

276 100

138 56.4 16.3 24.5#

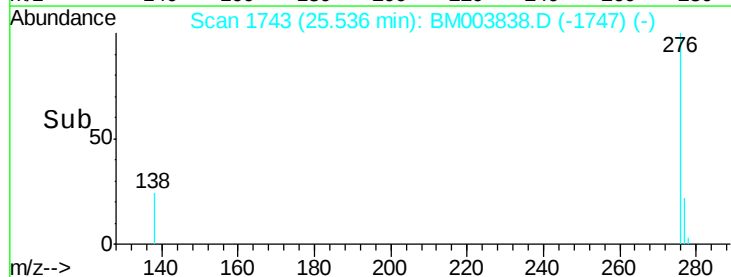
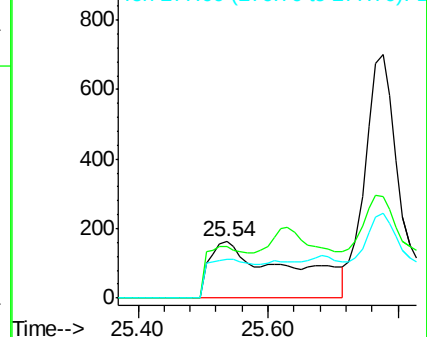
277 0.0 19.8 29.8#

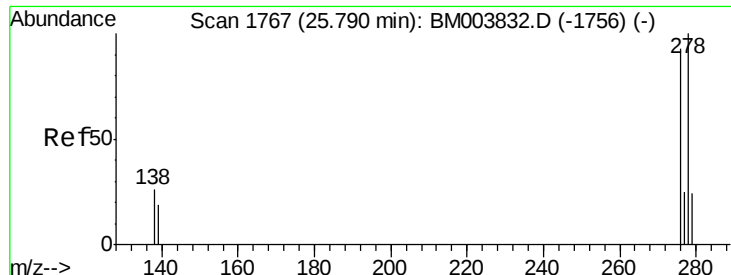


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.68 min Scan# 1757

Delta R.T. -0.11 min

Lab File: BM003838.D

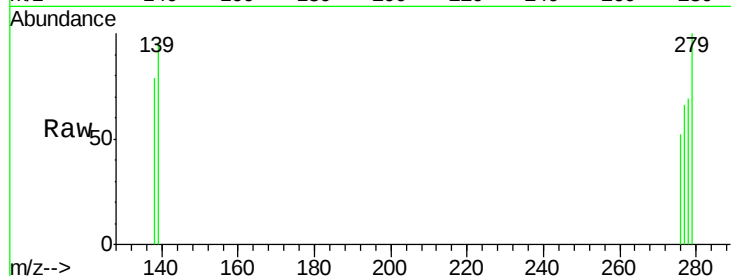
Acq: 28 Dec 2015 20:58

Instrument :

BNA_G

ClientSampleId :

D9N66



Tgt Ion: 278 Resp: 1382

Ion Ratio Lower Upper

278 100

139 138.6 16.4 24.6#

279 144.9 20.2 30.2#

