

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003227.D
 Acq On : 20 Nov 2015 18:44
 Operator : UM/IZ
 Sample : G4309-20RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9KL4

Quant Time: Nov 21 04:25:53 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 21 04:24:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	12793	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	49881	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	28433	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	4497153	0.40	ng/ul	0.10
18) Chrysene-d12	21.33	240	57041	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	5075375	0.40	ng/ul	-0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	84942	6.21	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	26508	0.39	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	60495	0.01	ng/ul	0.00

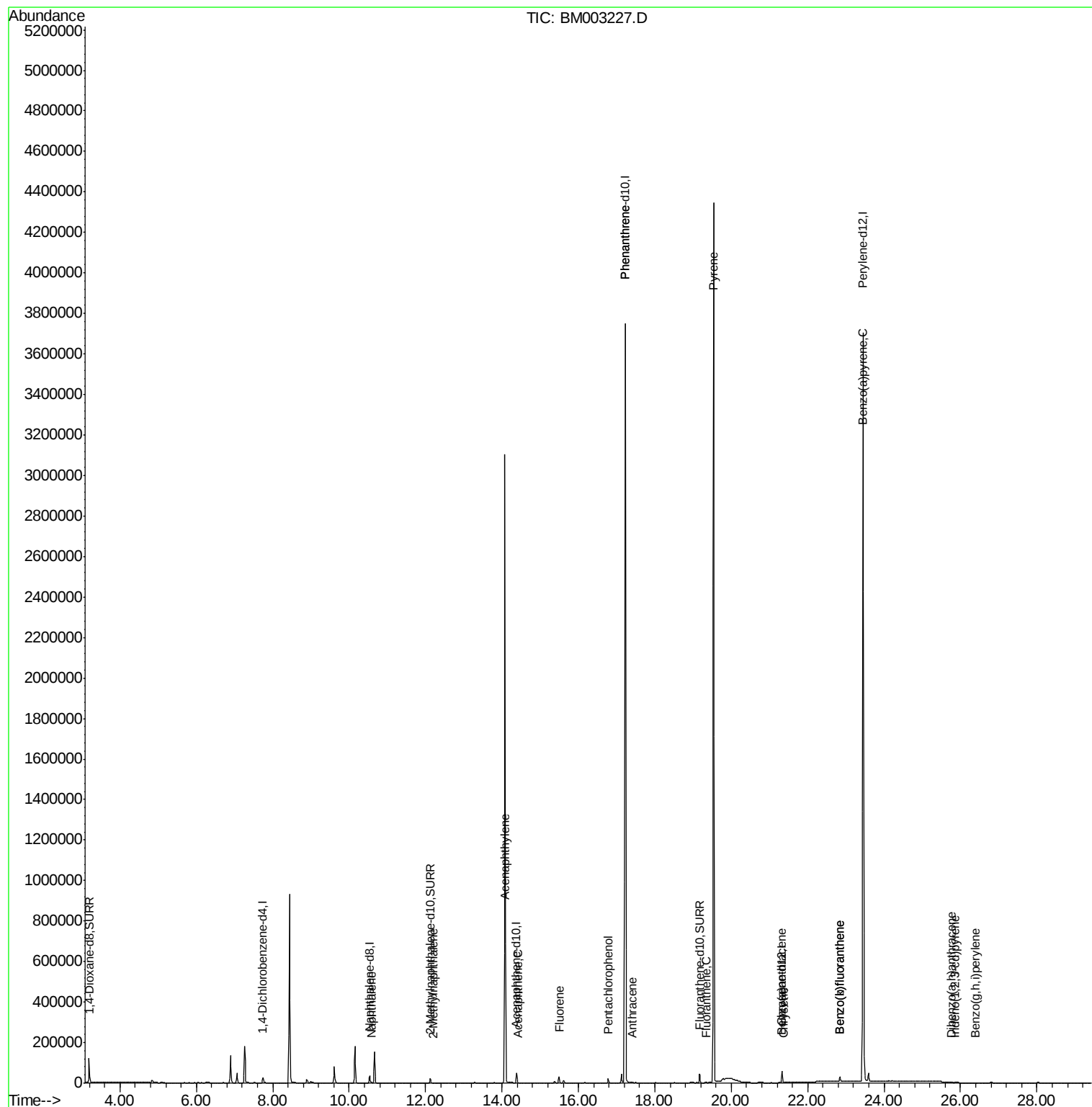
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.58	128	4568	0.04	ng/ul#	87
7) 2-Methylnaphthalene	12.19	142	242	0.00	ng/ul#	100
9) Acenaphthylene	14.09	152	1494	0.01	ng/ul#	34
10) Acenaphthene	14.41	153	312	0.00	ng/ul#	1
11) Fluorene	15.49	166	499	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	14575	0.01	ng/ul	96
14) Phenanthrene	17.23	178	2430	0.00	ng/ul#	1
15) Anthracene	17.41	178	76	0.00	ng/ul#	1
17) Fluoranthene	19.34	202	854	0.00	ng/ul#	1
19) Pyrene	19.54	202	8957	0.05	ng/ul#	1
20) Benzo(a)anthracene	21.32	228	1240	0.01	ng/ul#	1
21) Chrysene	21.37	228	414	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.84	252	194	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.84	252	194	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.44	252	19786	0.00	ng/ul#	69
26) Indeno(1,2,3-cd)pyrene	25.86	276	370	0.00	ng/ul#	77
27) Dibenzo(a,h)anthracene	25.77	278	24	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.39	276	96	0.00	ng/ul#	1

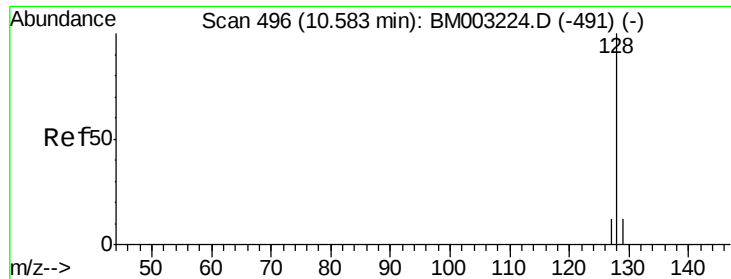
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.04 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

Instrument :

BNA_M

ClientSampleId :

D9KL4

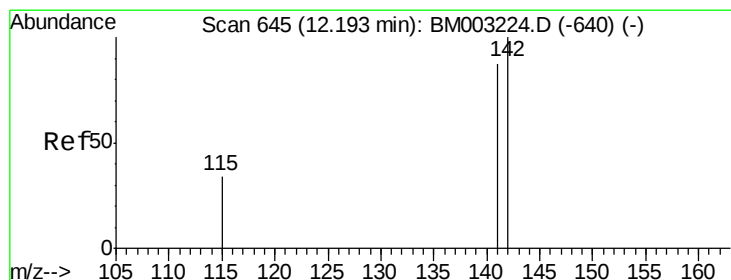
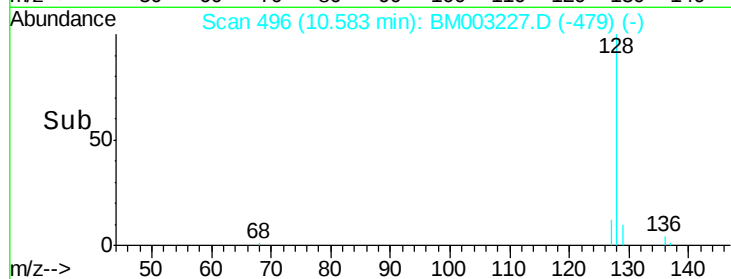
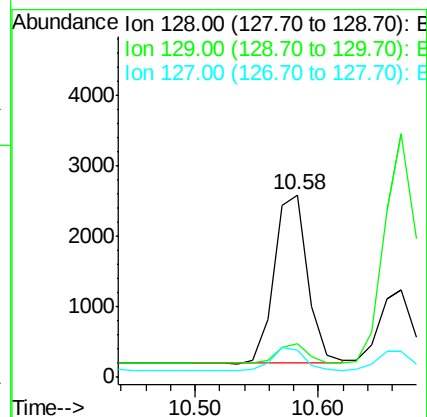
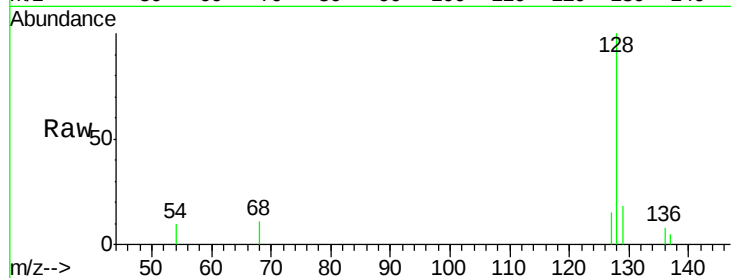
Tgt Ion:128 Resp: 4568

Ion Ratio Lower Upper

128 100

129 18.2 9.0 13.6#

127 15.3 9.6 14.4#



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003227.D

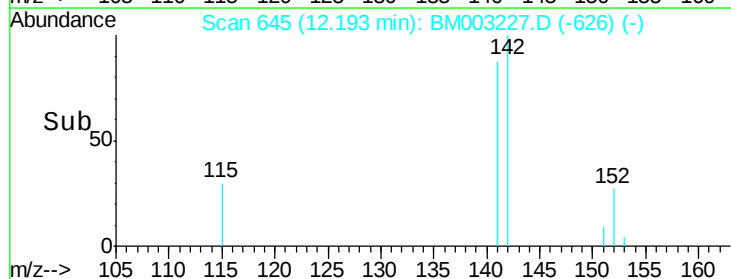
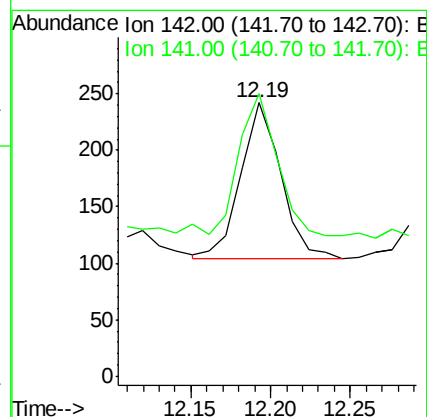
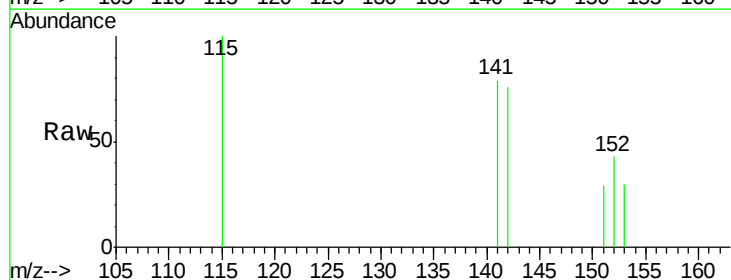
Acq: 20 Nov 2015 18:44

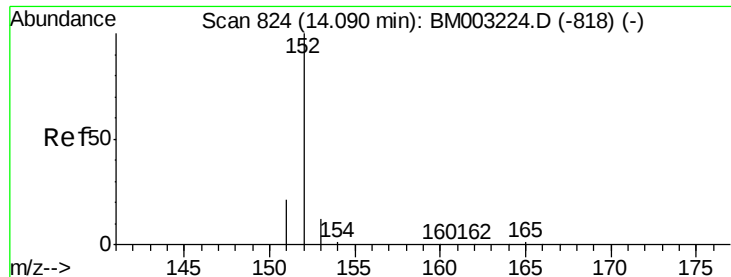
Tgt Ion:142 Resp: 242

Ion Ratio Lower Upper

142 100

141 88.0 0.0 0.0#





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

Instrument :

BNA_M

ClientSampleId :

D9KL4

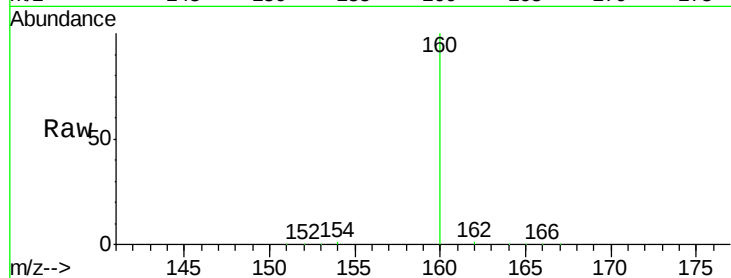
Tgt Ion:152 Resp: 1494

Ion Ratio Lower Upper

152 100

151 45.3 17.6 26.4#

153 49.5 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

14.09

600

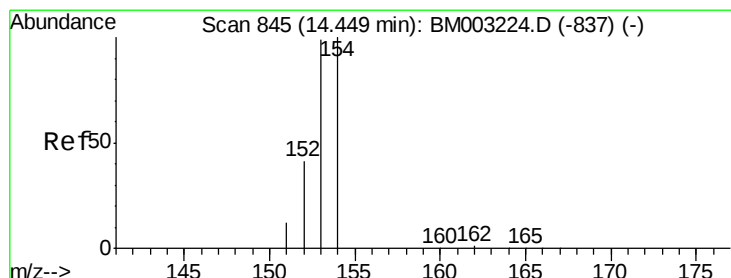
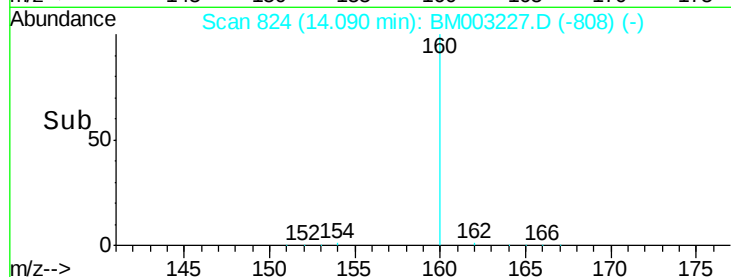
400

200

0

Time-->

14.00 14.20



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.41 min Scan# 843

Delta R.T. -0.03 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

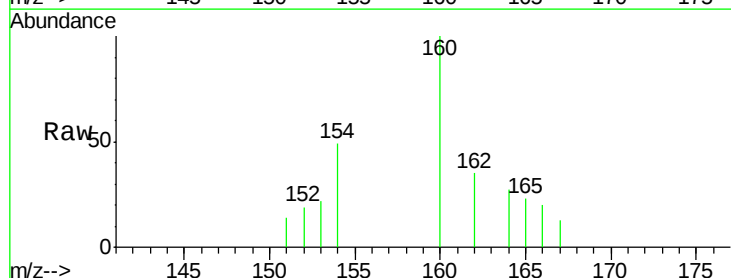
Tgt Ion:153 Resp: 312

Ion Ratio Lower Upper

153 100

152 87.2 33.9 50.9#

154 227.6 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

14.41

600

500

400

300

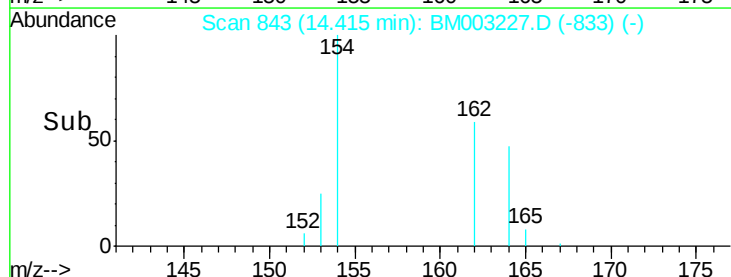
200

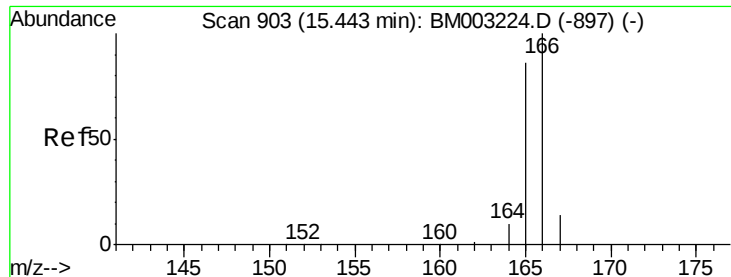
100

0

Time-->

14.40 14.50





#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.49 min Scan# 906

Delta R.T. 0.05 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

Instrument :

BNA_M

ClientSampleId :

D9KL4

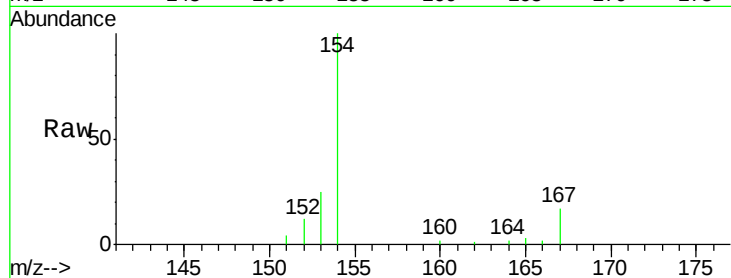
Tgt Ion:166 Resp: 499

Ion Ratio Lower Upper

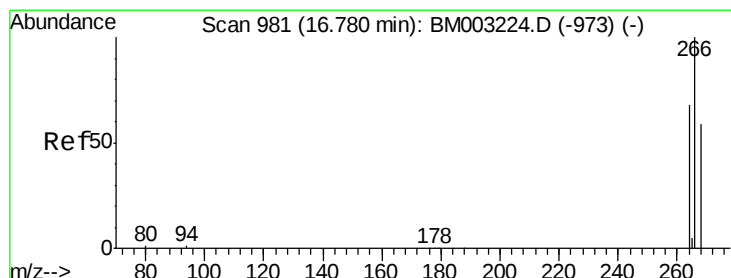
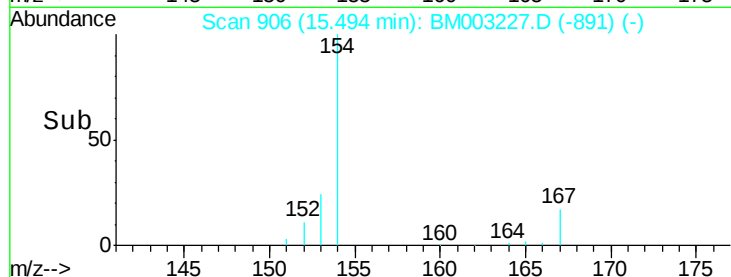
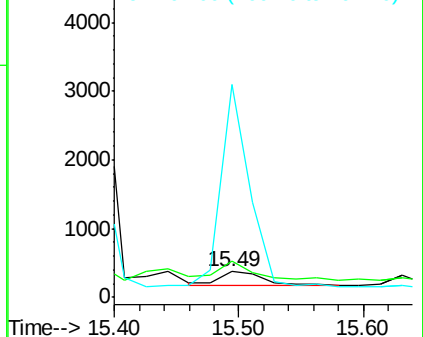
166 100

165 138.7 69.6 104.4#

167 828.5 11.9 17.9#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

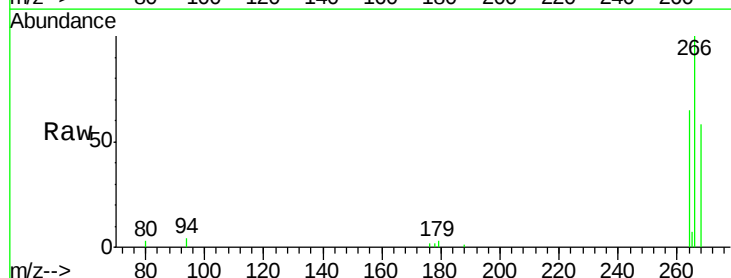
Tgt Ion:266 Resp: 14575

Ion Ratio Lower Upper

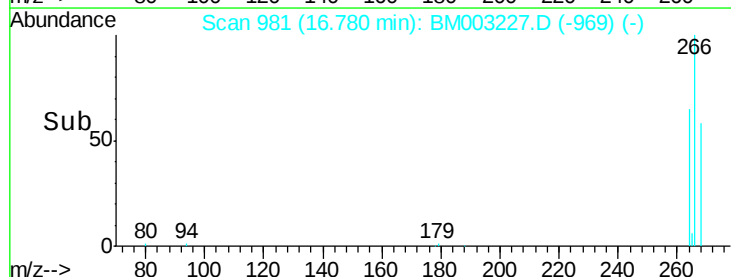
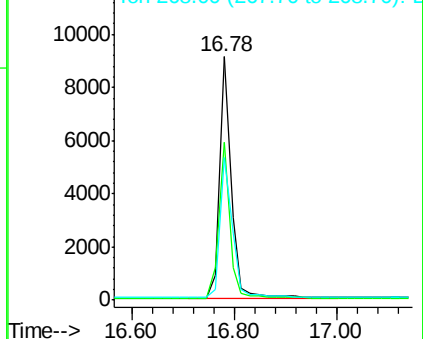
266 100

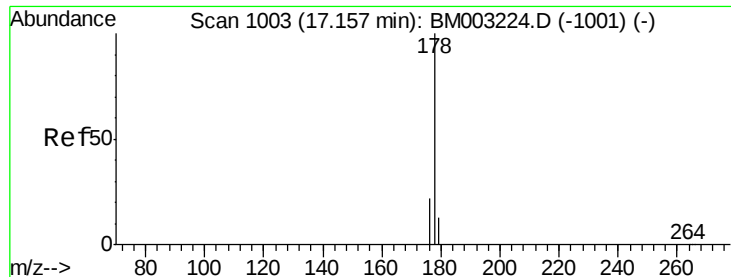
264 63.0 51.8 77.8

268 62.8 46.8 70.2



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. 0.07 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

Instrument :

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ClientSampleId :

D9KL4

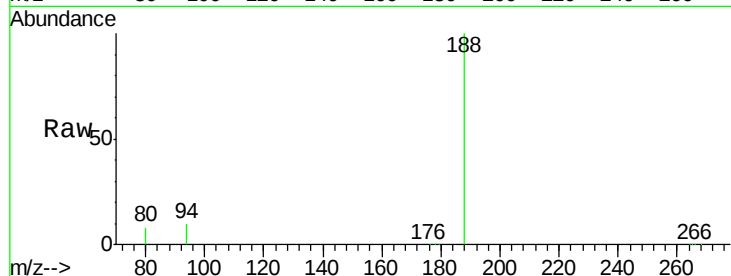
Tgt Ion:178 Resp: 2430

Ion Ratio Lower Upper

178 100

176 13.4 13.0 19.4

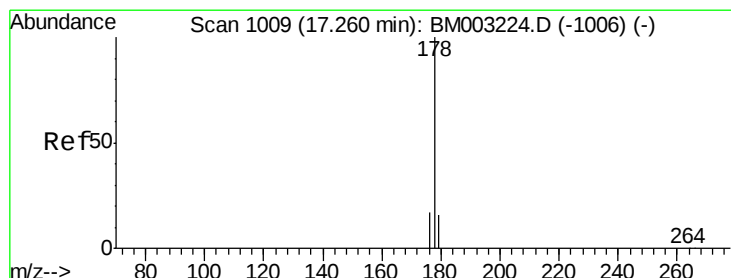
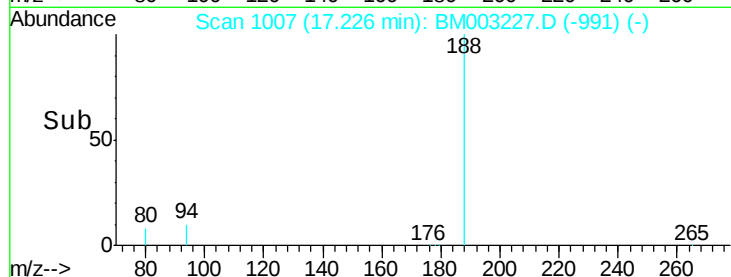
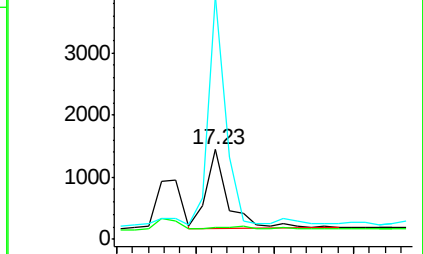
179 272.2 14.2 21.2#



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: 0.00 ng/ul

RT: 17.41 min Scan# 1018

Delta R.T. 0.15 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

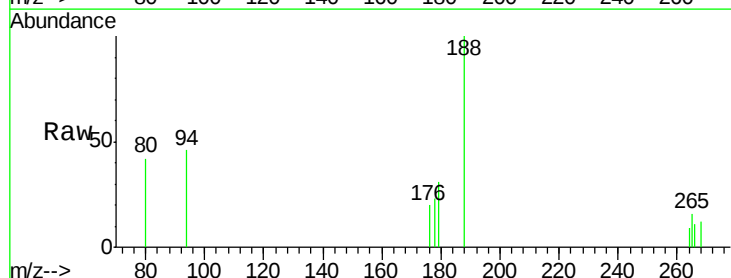
Tgt Ion:178 Resp: 76

Ion Ratio Lower Upper

178 100

176 86.1 14.0 21.0#

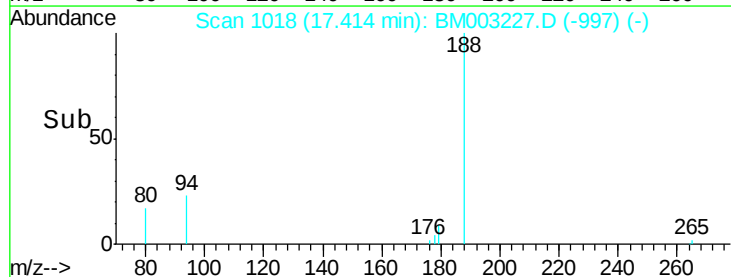
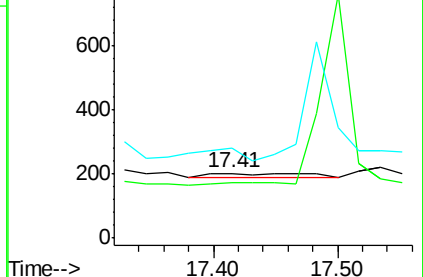
179 138.1 12.9 19.3#

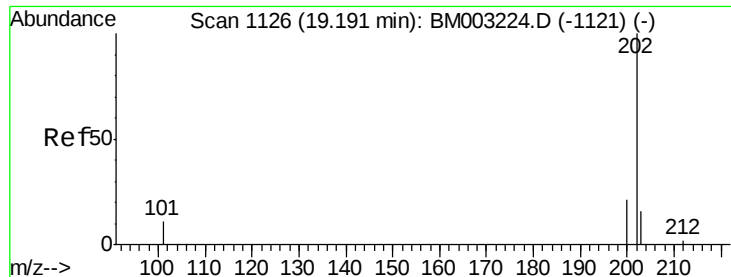


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.34 min Scan# 1138

Delta R.T. 0.15 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

Instrument :

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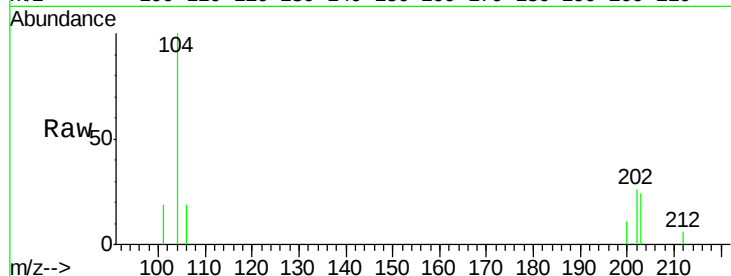
Tgt Ion:202 Resp: 854

Ion Ratio Lower Upper

202 100

101 74.7 0.0 29.6#

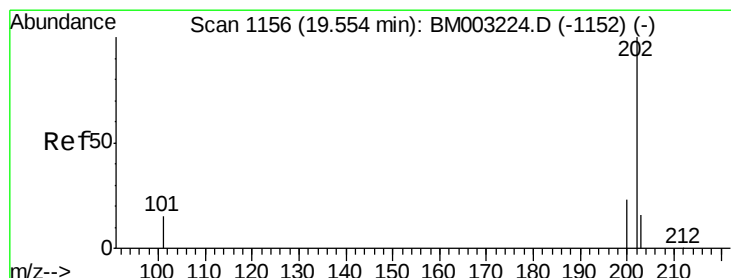
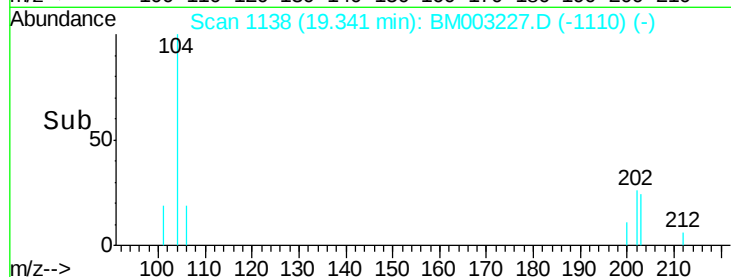
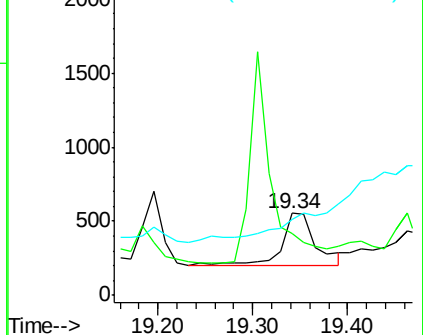
203 93.1 0.0 36.3#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#19

Pyrene

Concen: 0.05 ng/ul

RT: 19.54 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

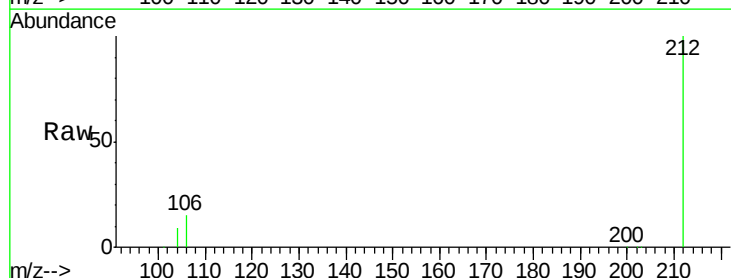
Tgt Ion:202 Resp: 8957

Ion Ratio Lower Upper

202 100

200 6.3 17.8 26.8#

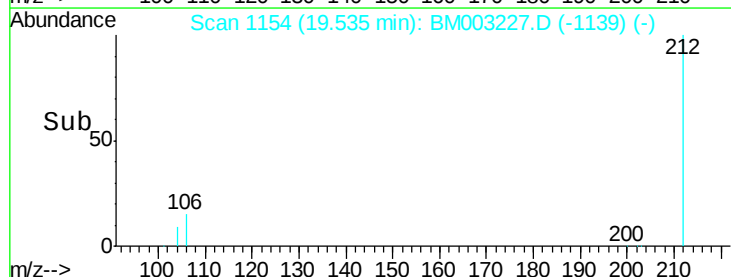
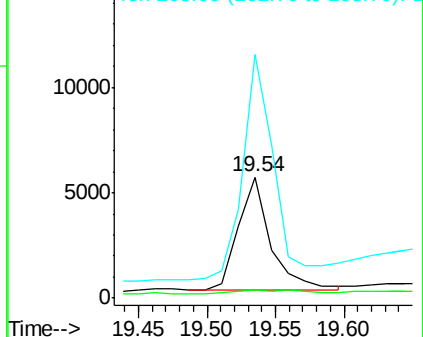
203 201.2 12.8 19.2#

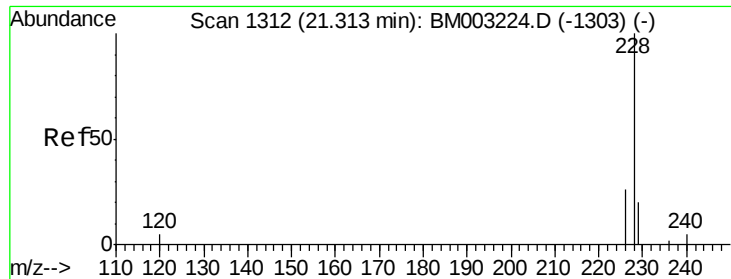


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.32 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

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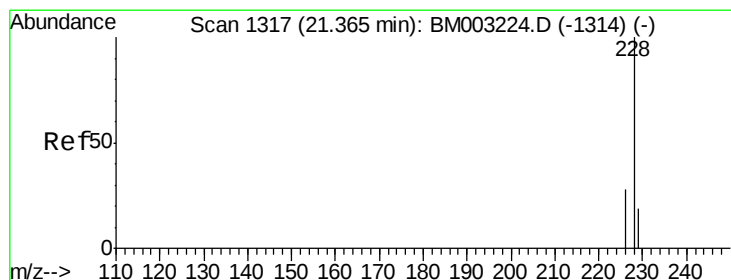
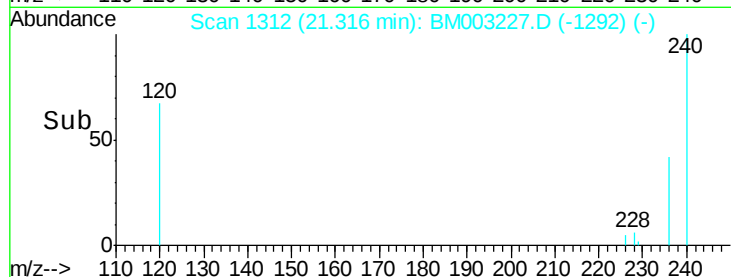
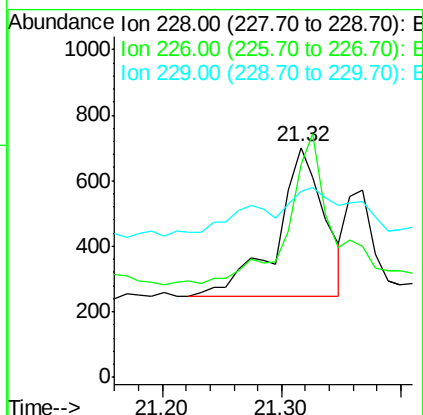
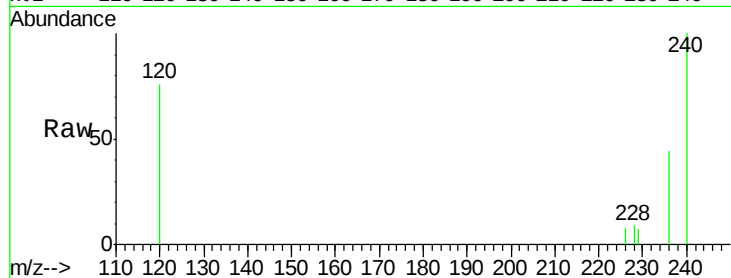
Tgt Ion:228 Resp: 1240

Ion Ratio Lower Upper

228 100

226 92.6 18.8 28.2#

229 80.7 17.1 25.7#



#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.37 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

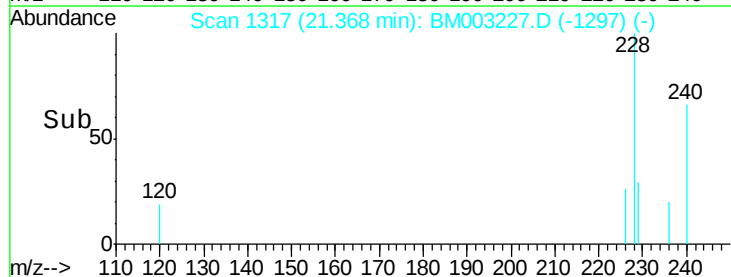
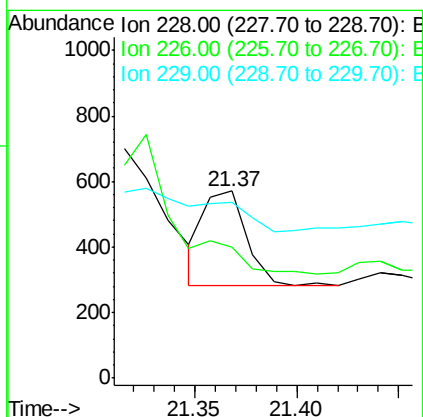
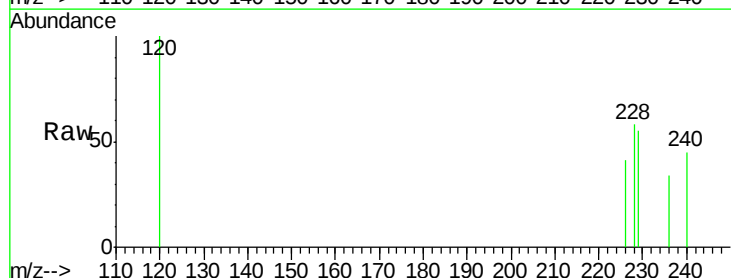
Tgt Ion:228 Resp: 414

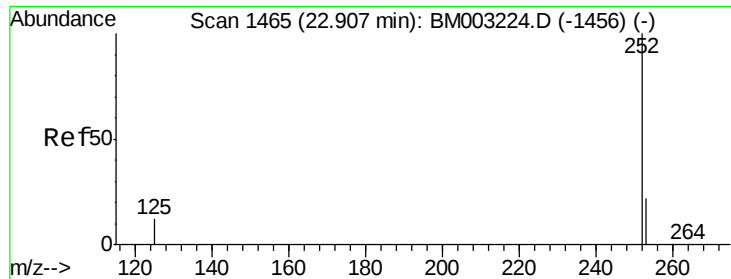
Ion Ratio Lower Upper

228 100

226 69.8 21.2 31.8#

229 93.9 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.84 min Scan# 1458

Delta R.T. -0.07 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

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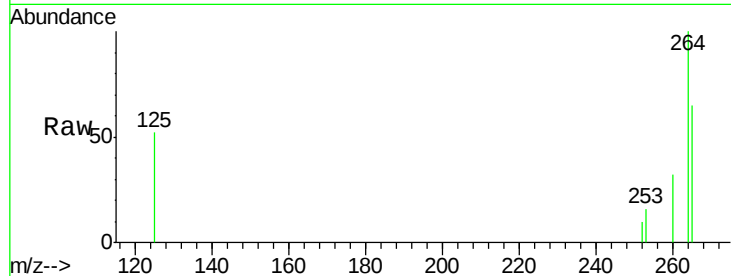
Tgt Ion:252 Resp: 194

Ion Ratio Lower Upper

252 100

253 158.4 0.0 45.4#

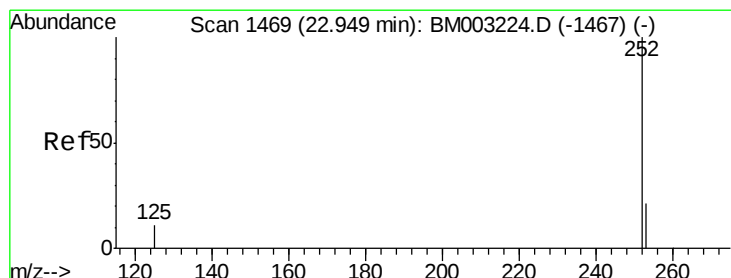
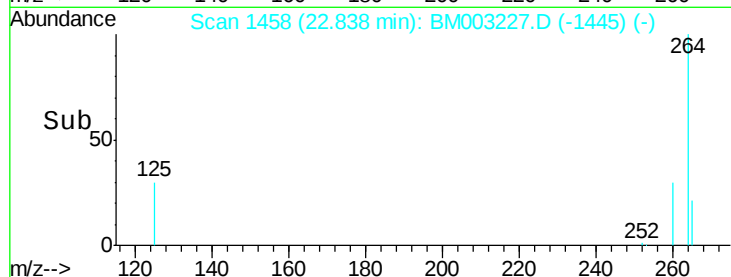
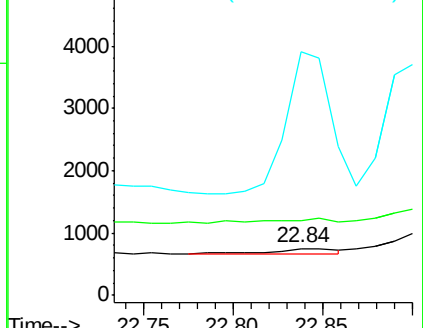
125 517.5 0.0 28.8#



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/ul

RT: 22.84 min Scan# 1458

Delta R.T. -0.11 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

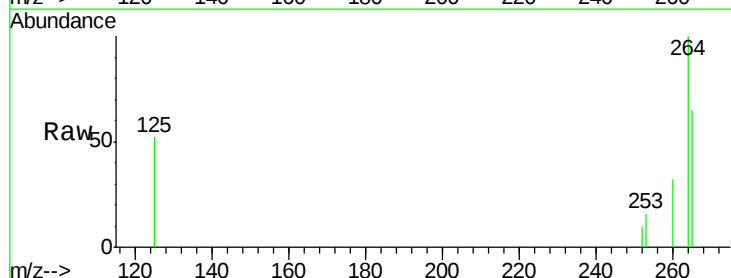
Tgt Ion:252 Resp: 194

Ion Ratio Lower Upper

252 100

253 158.4 19.8 29.8#

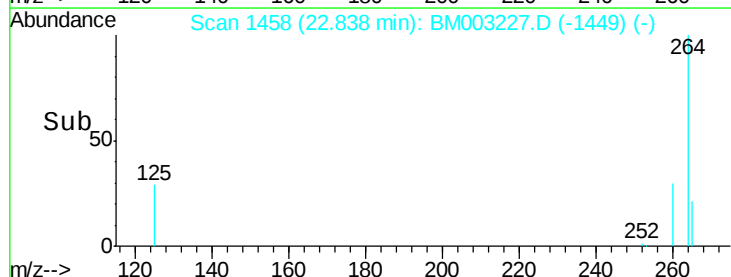
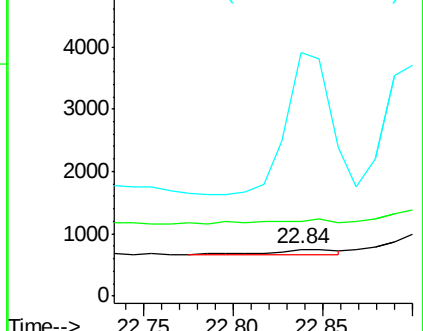
125 517.5 10.4 15.6#

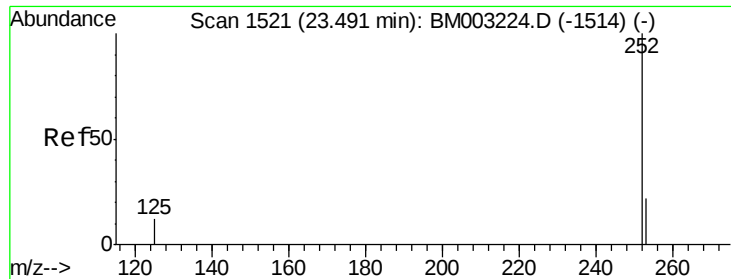


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.44 min Scan# 1516

Delta R.T. -0.05 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

Instrument :

BNA_M

ClientSampleId :

D9KL4

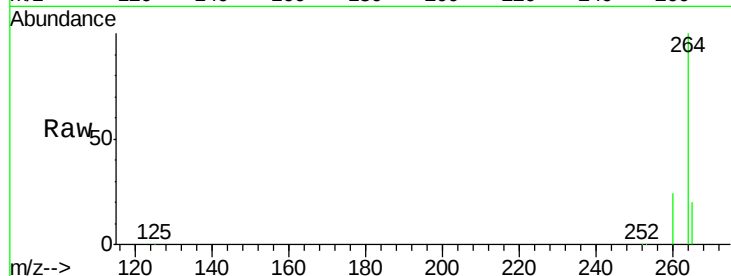
Tgt Ion:252 Resp: 19786

Ion Ratio Lower Upper

252 100

253 34.3 19.4 29.2#

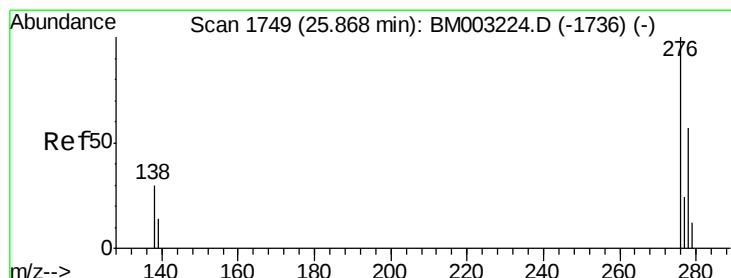
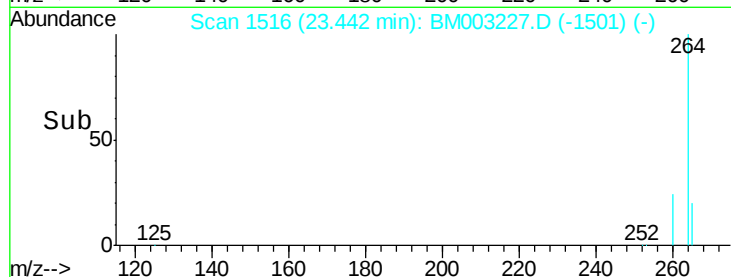
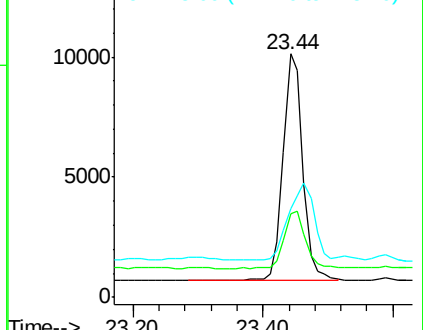
125 36.4 12.7 19.1#



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: 25.86 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

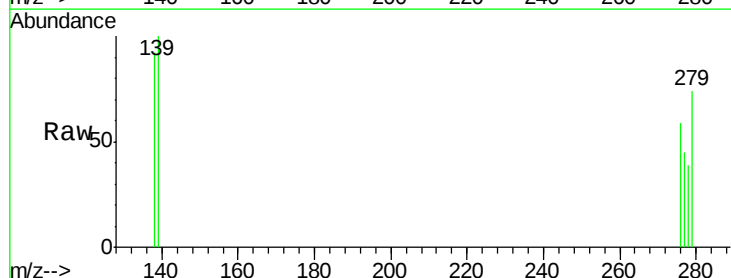
Tgt Ion:276 Resp: 370

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

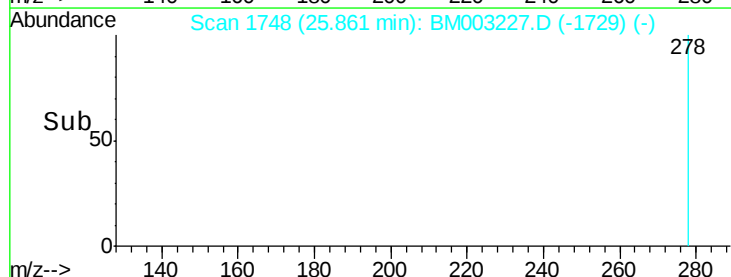
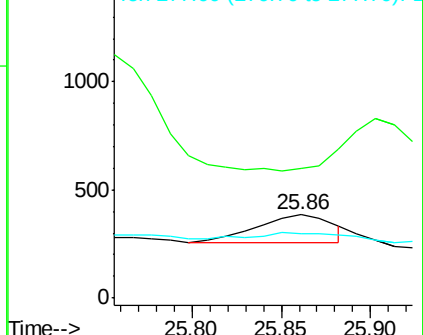
277 21.9 19.8 29.8

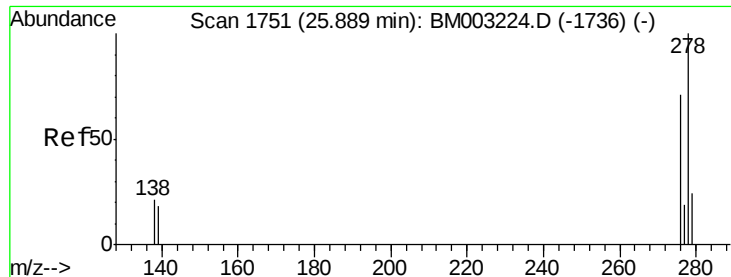


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.77 min Scan# 1739

Delta R.T. -0.12 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

Instrument :

BNA_M

ClientSampleId :

D9KL4

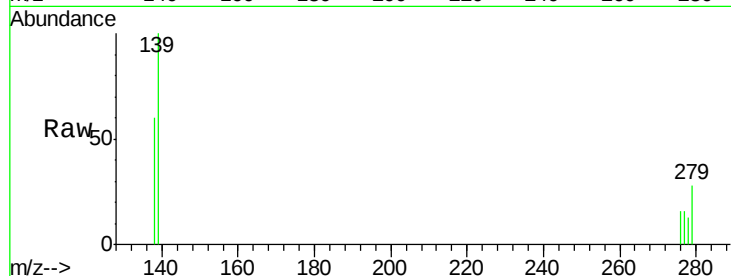
Tgt Ion: 278 Resp: 24

Ion Ratio Lower Upper

278 100

139 791.1 16.4 24.6#

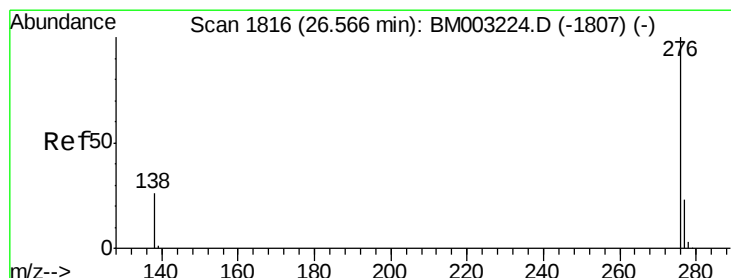
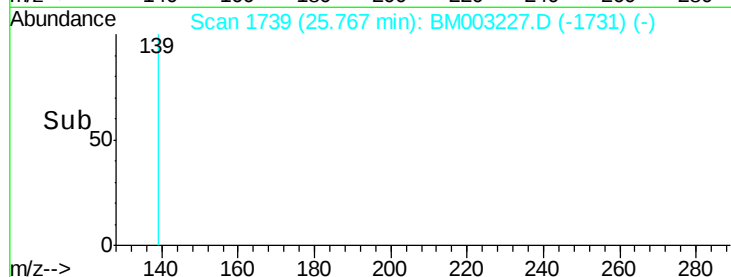
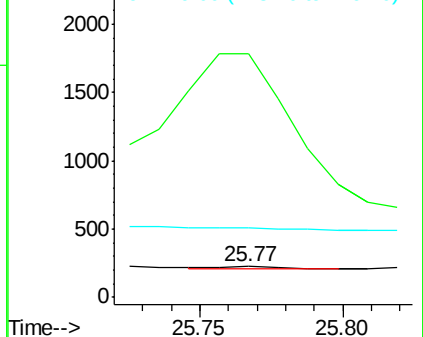
279 224.9 20.2 30.2#



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



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.39 min Scan# 1799

Delta R.T. -0.17 min

Lab File: BM003227.D

Acq: 20 Nov 2015 18:44

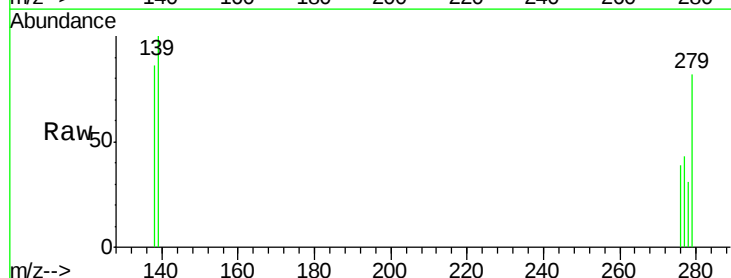
Tgt Ion: 276 Resp: 96

Ion Ratio Lower Upper

276 100

277 110.5 18.9 28.3#

138 220.1 22.5 33.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

