

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
 Data File : BM003192.D
 Acq On : 19 Nov 2015 16:28
 Operator : UM/IZ
 Sample : G4323-04RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT5

Quant Time: Nov 20 02:42:52 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 : Fri Nov 20 02:40:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	14812	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	58944	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	32059	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	4216367	0.40	ng/ul	0.10
18) Chrysene-d12	21.33	240	52229	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	3544772	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	86393	5.46	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	24850	0.31	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	44170	0.00	ng/ul	0.00

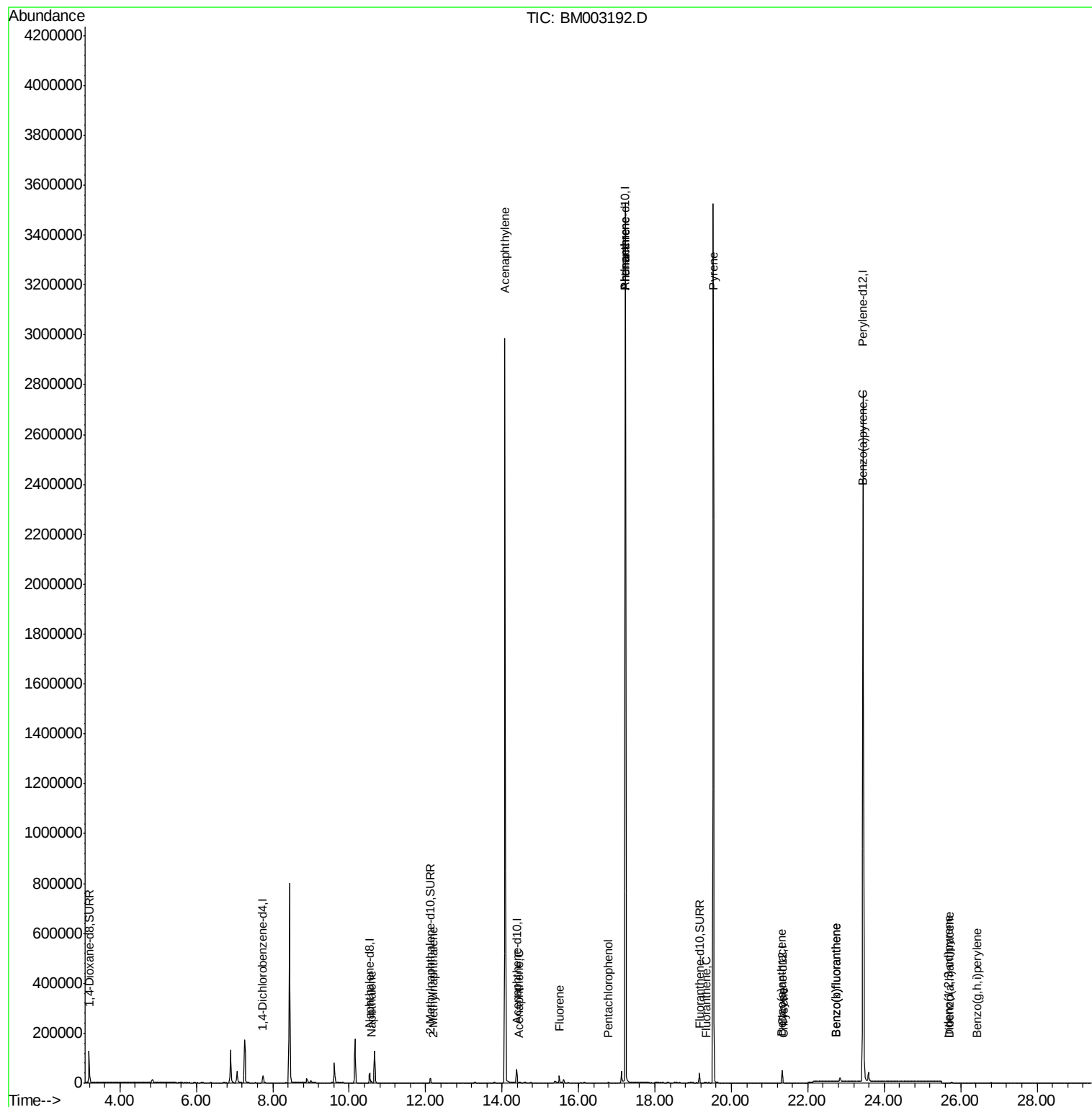
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.58	128	7710	0.05	ng/ul#	94
7) 2-Methylnaphthalene	12.19	142	598	0.01	ng/ul#	100
9) Acenaphthylene	14.07	152	567	0.00	ng/ul#	1
10) Acenaphthene	14.45	153	278	0.00	ng/ul#	75
11) Fluorene	15.49	166	380	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	682	0.00	ng/ul#	18
14) Phenanthrene	17.23	178	2032	0.00	ng/ul#	1
15) Anthracene	17.23	178	2032	0.00	ng/ul#	1
17) Fluoranthene	19.35	202	122	0.00	ng/ul#	1
19) Pyrene	19.53	202	6993	0.04	ng/ul#	1
20) Benzo(a)anthracene	21.31	228	556	0.00	ng/ul#	14
21) Chrysene	21.36	228	387	0.00	ng/ul#	39
23) Benzo(b)fluoranthene	22.74	252	29	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.74	252	29	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.44	252	13679	0.00	ng/ul#	67
26) Indeno(1,2,3-cd)pyrene	25.68	276	21	0.00	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.71	278	6	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.43	276	14	0.00	ng/ul#	1

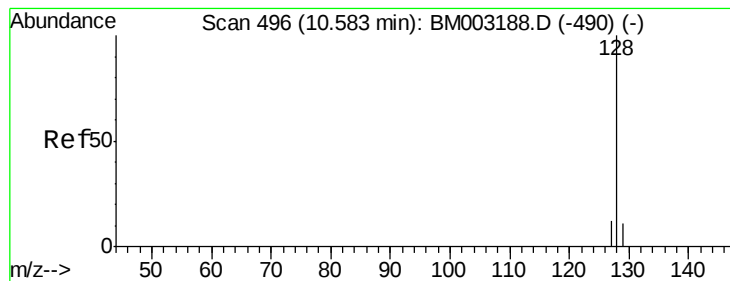
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.05 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003192.D

Acq: 19 Nov 2015 16:28

Instrument :

BNA_M

ClientSampleId :

A4HT5

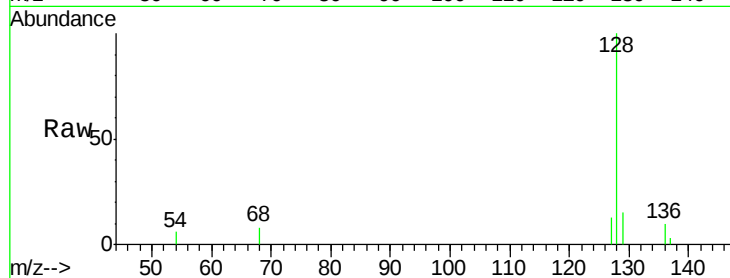
Tot Ion:128 Resp: 7710

Ion Ratio Lower Upper

128 100

129 14.7 9.0 13.6#

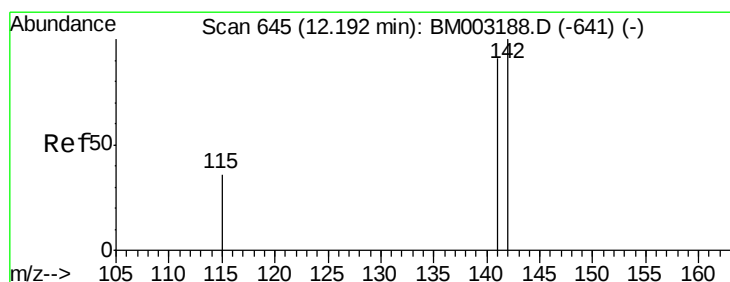
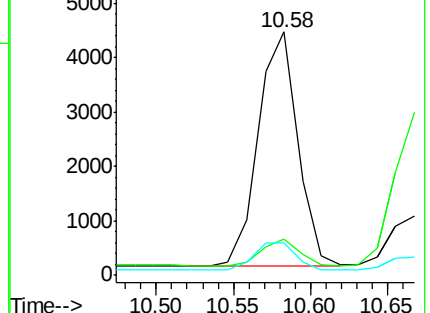
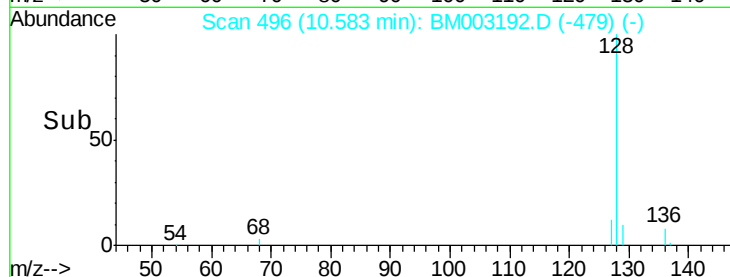
127 13.4 9.6 14.4



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: 0.01 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003192.D

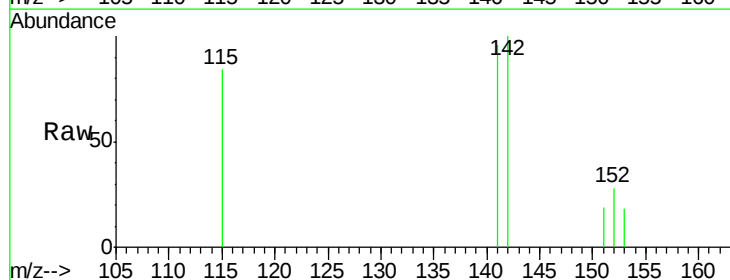
Acq: 19 Nov 2015 16:28

Tgt Ion:142 Resp: 598

Ion Ratio Lower Upper

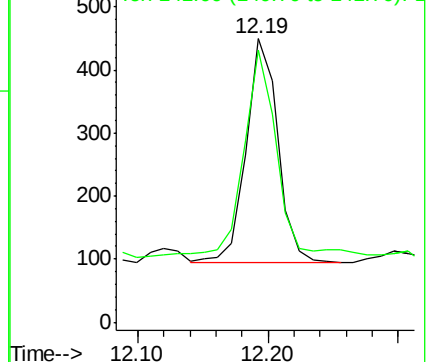
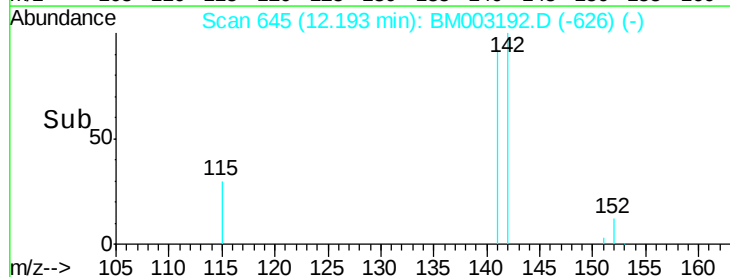
142 100

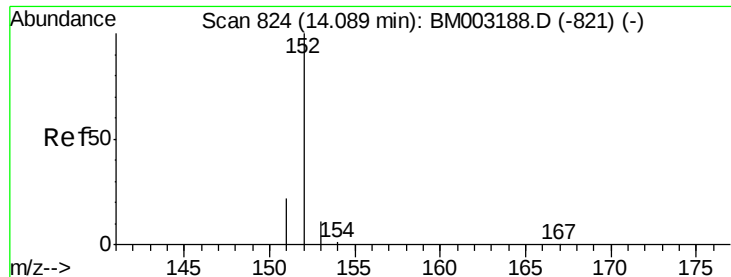
141 99.0 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.07 min Scan# 823

Delta R.T. -0.02 min

Lab File: BM003192.D

Acq: 19 Nov 2015 16:28

Instrument :

BNA_M

ClientSampleId :

A4HT5

Tot Ion:152 Resp: 567

Ion Ratio Lower Upper

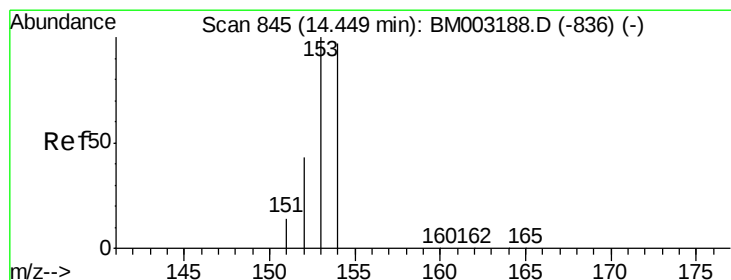
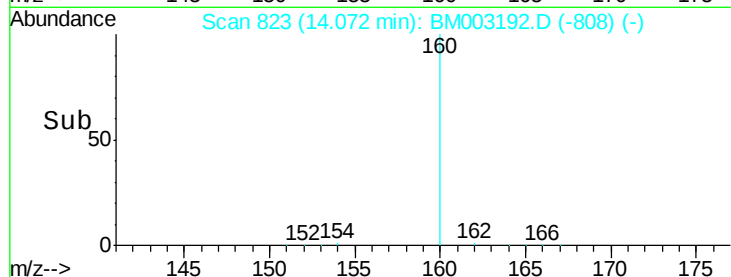
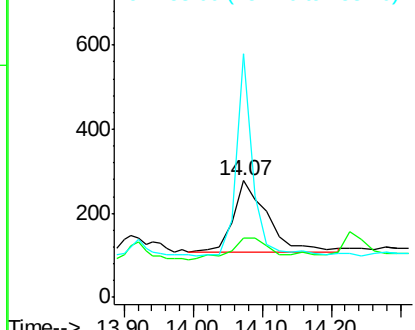
152 100

151 50.5 17.6 26.4#

153 209.0 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: 0.00 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM003192.D

Acq: 19 Nov 2015 16:28

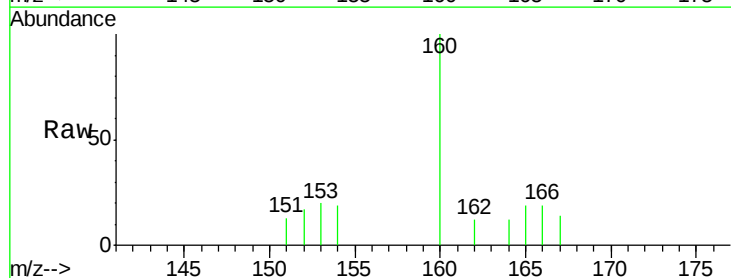
Tgt Ion:153 Resp: 278

Ion Ratio Lower Upper

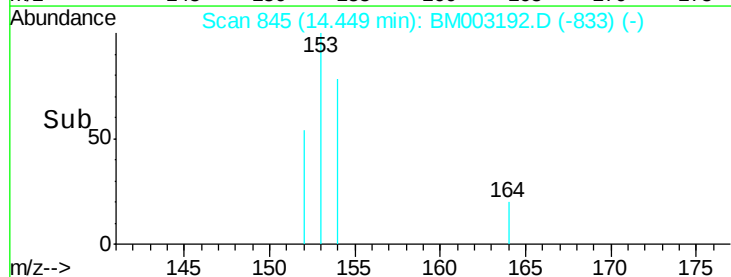
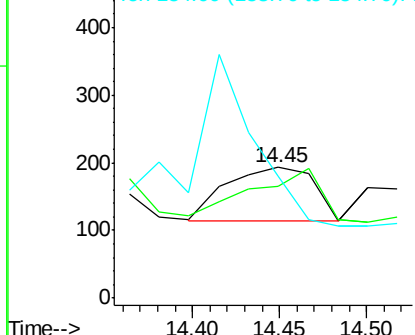
153 100

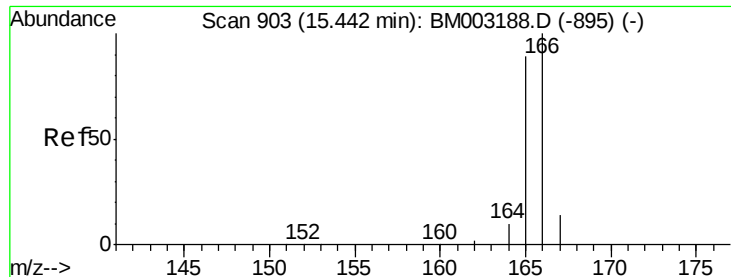
152 86.0 33.9 50.9#

154 93.8 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: 0.00 ng/ul

RT: 15.49 min Scan# 906

Delta R.T. 0.05 min

Lab File: BM003192.D

Acq: 19 Nov 2015 16:28

Instrument :

BNA_M

ClientSampleId :

A4HT5

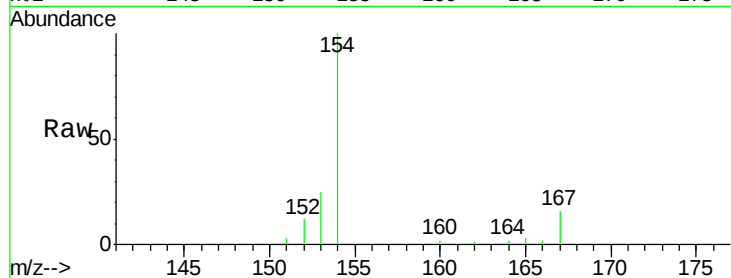
Tot Ion:166 Resp: 380

Ion Ratio Lower Upper

166 100

165 148.3 69.6 104.4#

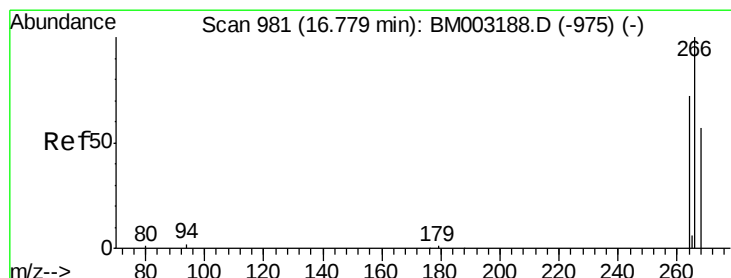
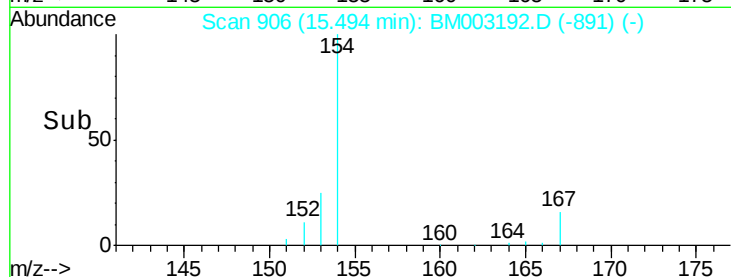
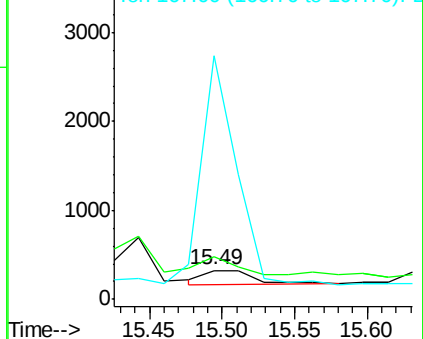
167 847.4 11.9 17.9#



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: 0.00 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003192.D

Acq: 19 Nov 2015 16:28

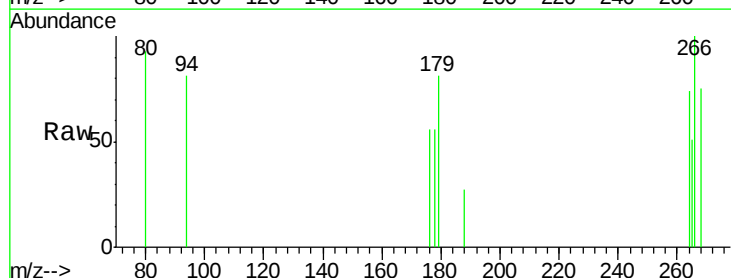
Tgt Ion:266 Resp: 682

Ion Ratio Lower Upper

266 100

264 62.0 0.3 0.5#

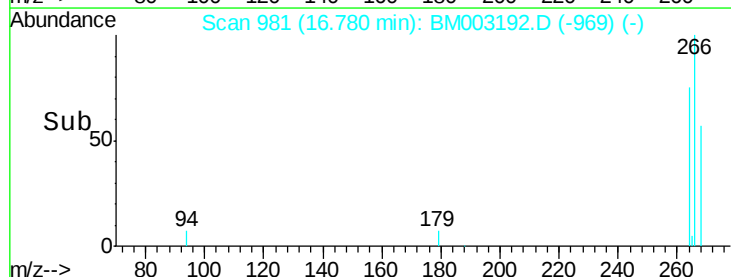
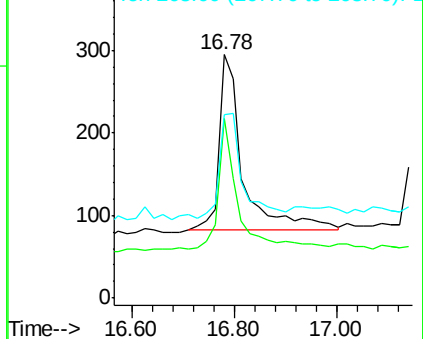
268 60.3 0.0 0.0#

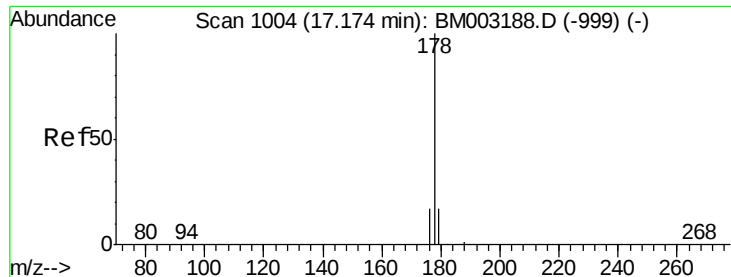


Abundance Ion 266.00 (265.70 to 266.70): E

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. 0.05 min

Lab File: BM003192.D

Acq: 19 Nov 2015 16:28

Instrument :

BNA_M

ClientSampleId :

A4HT5

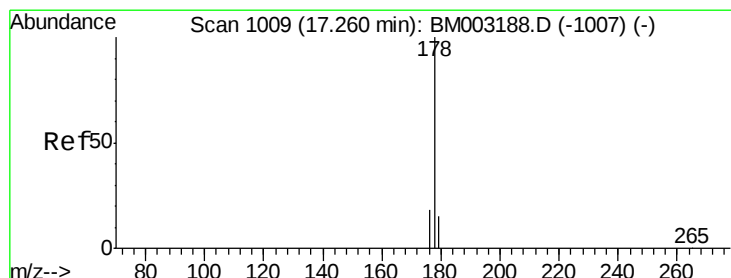
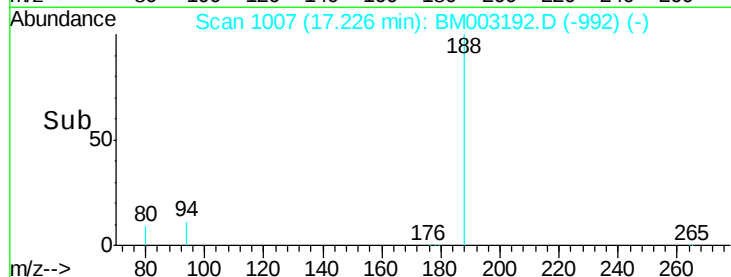
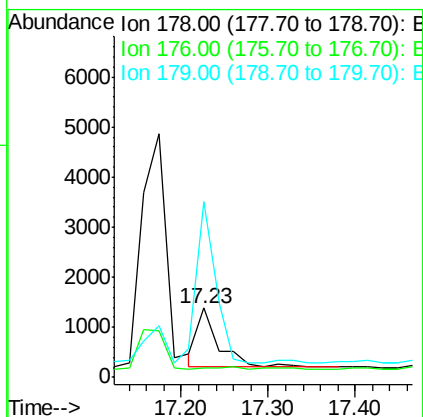
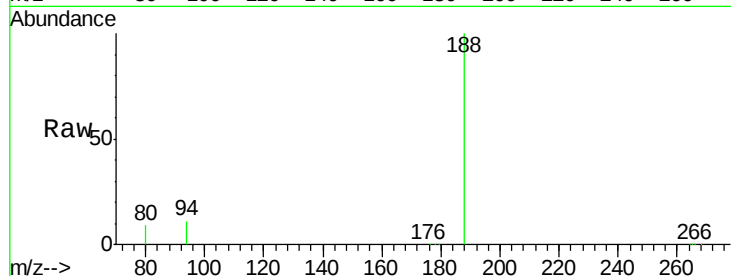
Tot Ion:178 Resp: 2032

Ion Ratio Lower Upper

178 100

176 13.8 13.0 19.4

179 253.5 14.2 21.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. -0.03 min

Lab File: BM003192.D

Acq: 19 Nov 2015 16:28

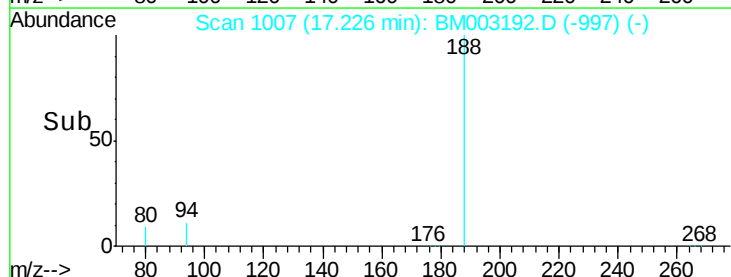
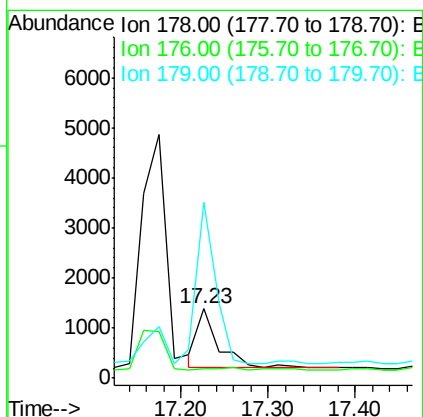
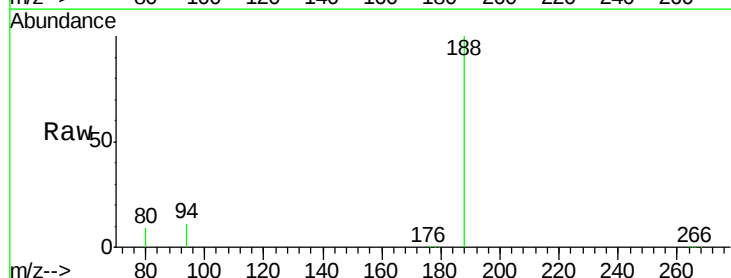
Tgt Ion:178 Resp: 2032

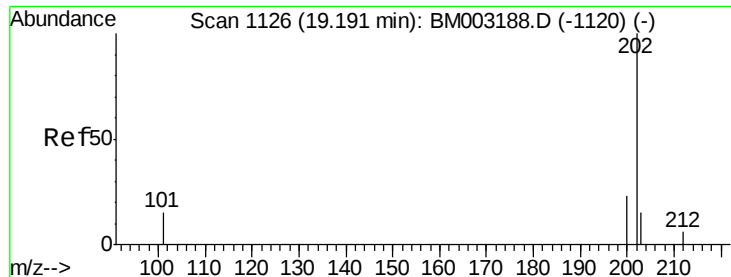
Ion Ratio Lower Upper

178 100

176 13.8 14.0 21.0#

179 253.5 12.9 19.3#





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.35 min Scan# 1139

Delta R.T. 0.16 min

Lab File: BM003192.D

Acq: 19 Nov 2015 16:28

Instrument :

BNA_M

ClientSampleId :

A4HT5

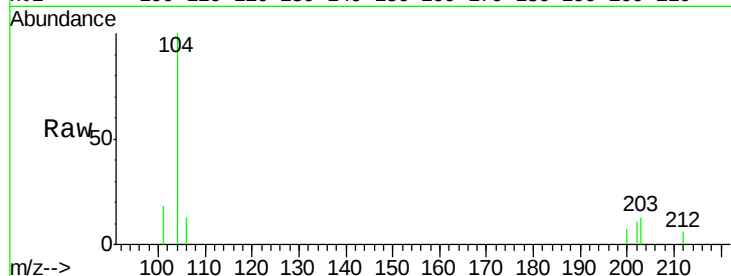
Tot Ion:202 Resp: 122

Ion Ratio Lower Upper

202 100

101 164.4 0.0 29.6#

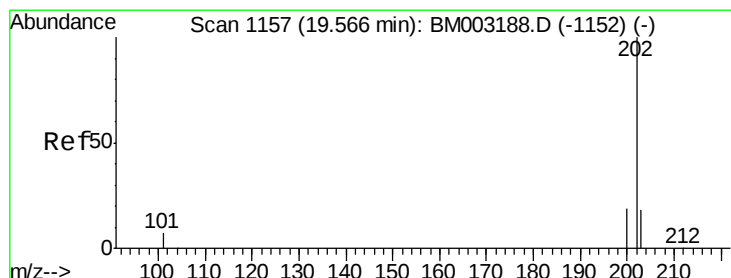
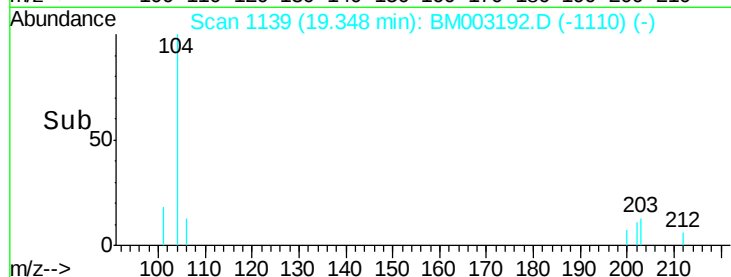
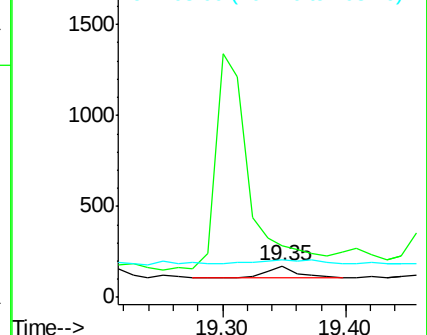
203 118.4 0.0 36.3#



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: 0.04 ng/ul

RT: 19.53 min Scan# 1154

Delta R.T. -0.04 min

Lab File: BM003192.D

Acq: 19 Nov 2015 16:28

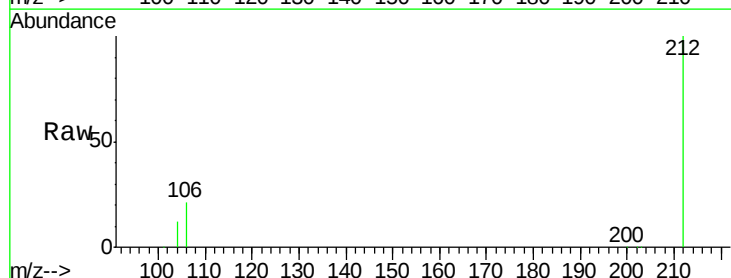
Tgt Ion:202 Resp: 6993

Ion Ratio Lower Upper

202 100

200 4.7 17.8 26.8#

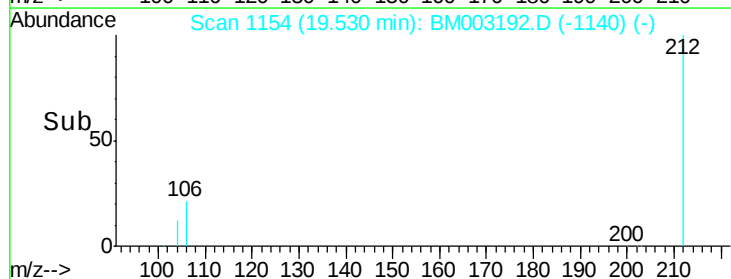
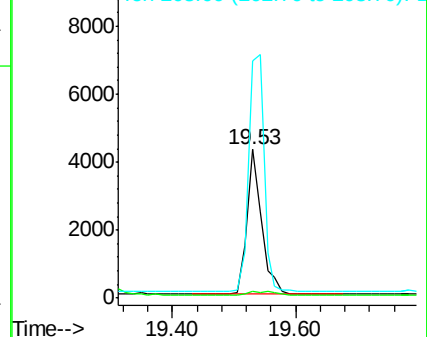
203 159.3 12.8 19.2#

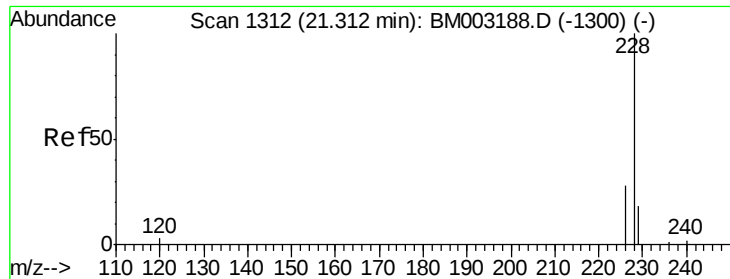


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BM003192.D

Acq: 19 Nov 2015 16:28

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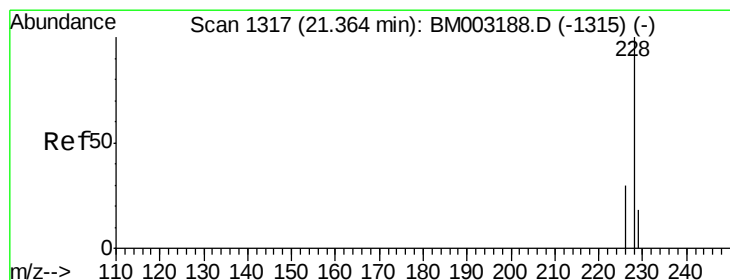
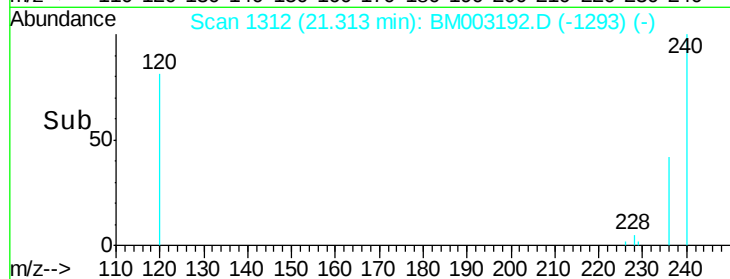
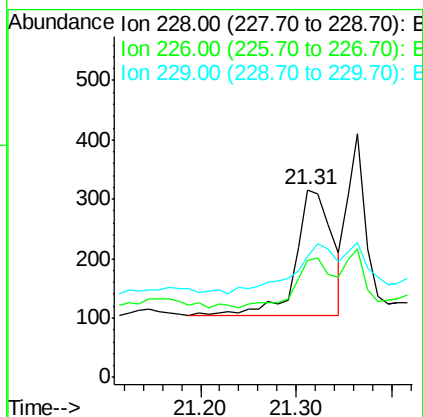
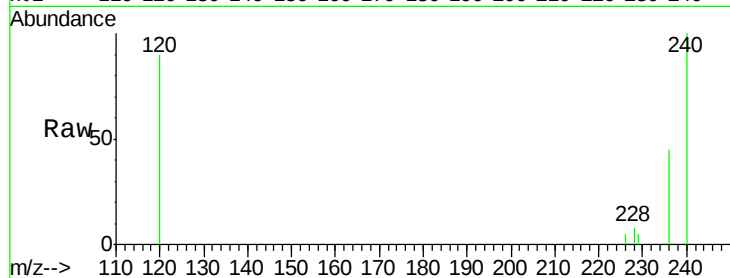
Tot Ion:228 Resp: 556

Ion Ratio Lower Upper

228 100

226 62.7 18.8 28.2#

229 64.6 17.1 25.7#



#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BM003192.D

Acq: 19 Nov 2015 16:28

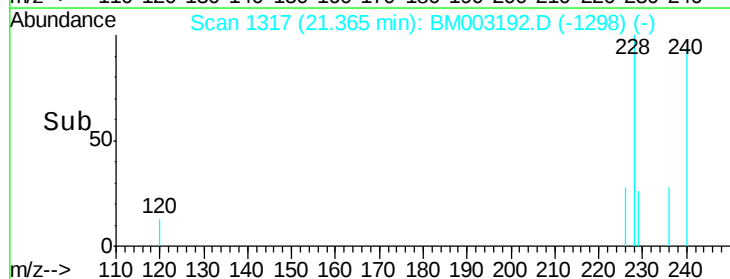
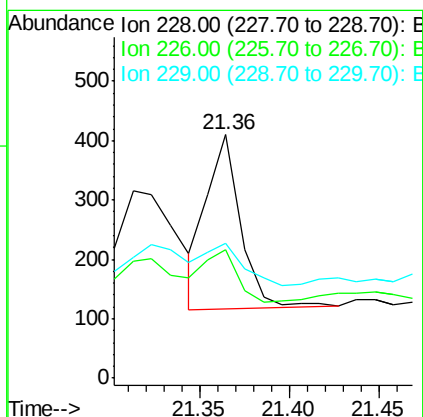
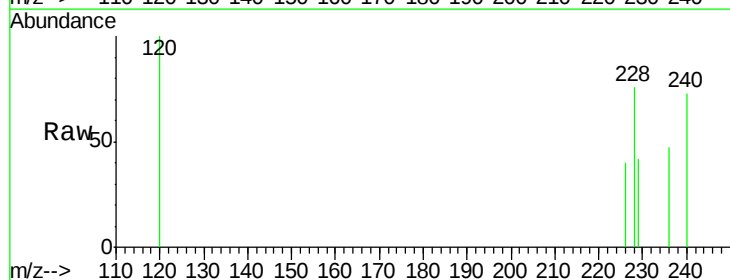
Tgt Ion:228 Resp: 387

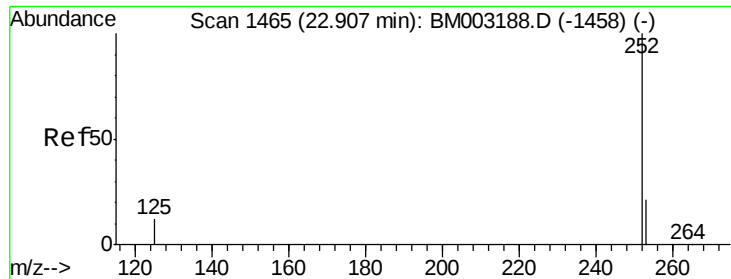
Ion Ratio Lower Upper

228 100

226 52.9 21.2 31.8#

229 55.6 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.74 min Scan# 1449

Delta R.T. -0.17 min

Lab File: BM003192.D

Acq: 19 Nov 2015 16:28

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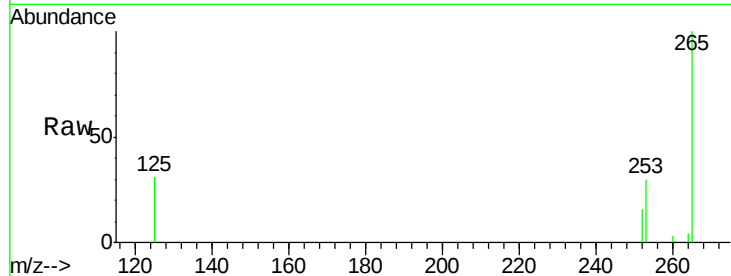
Tot Ion:252 Resp: 29

Ion Ratio Lower Upper

252 100

253 184.1 0.0 45.4#

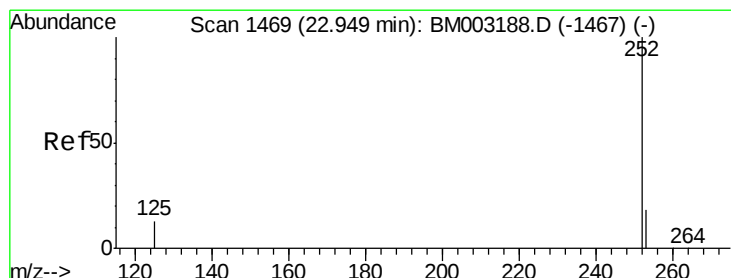
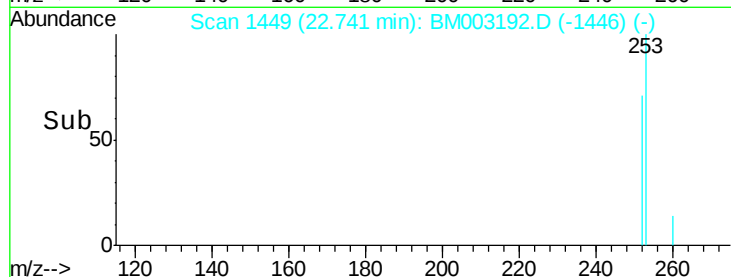
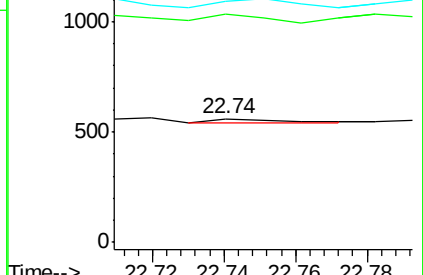
125 194.3 0.0 28.8#



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: 22.74 min Scan# 1449

Delta R.T. -0.21 min

Lab File: BM003192.D

Acq: 19 Nov 2015 16:28

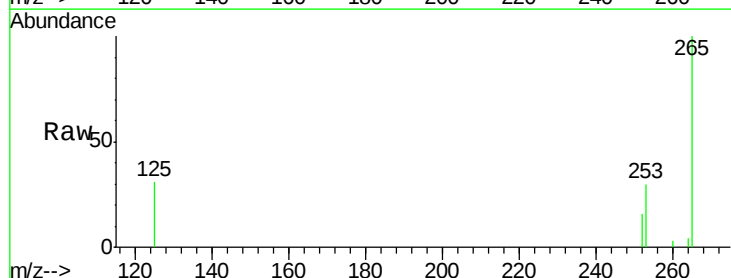
Tgt Ion:252 Resp: 29

Ion Ratio Lower Upper

252 100

253 184.1 19.8 29.8#

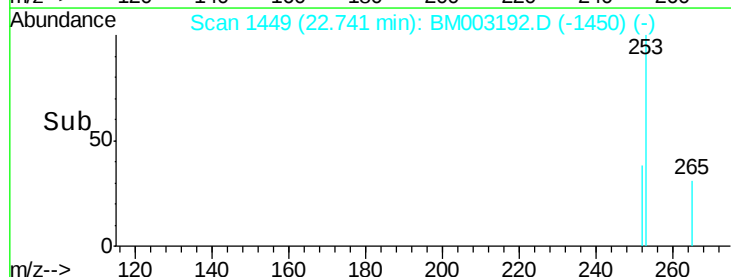
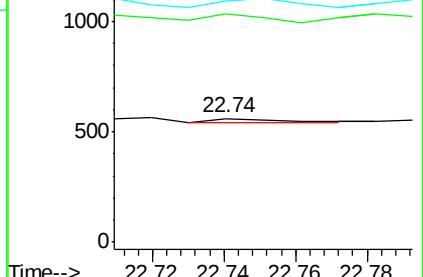
125 194.3 10.4 15.6#

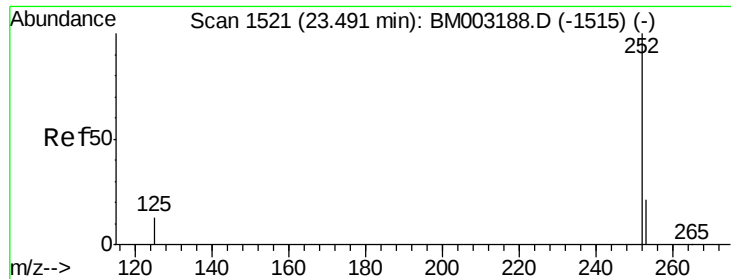


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM003192.D

Acq: 19 Nov 2015 16:28

Instrument :

BNA_M

ClientSampleId :

A4HT5

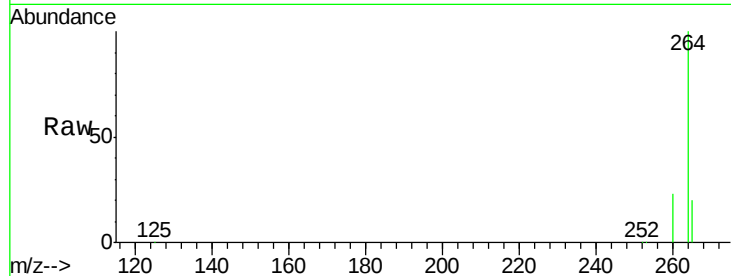
Tot Ion:252 Resp: 13679

Ion Ratio Lower Upper

252 100

253 36.9 19.4 29.2#

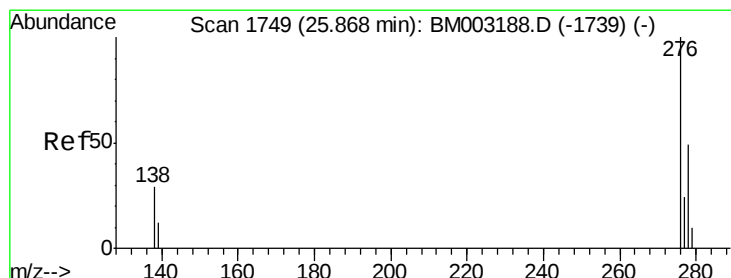
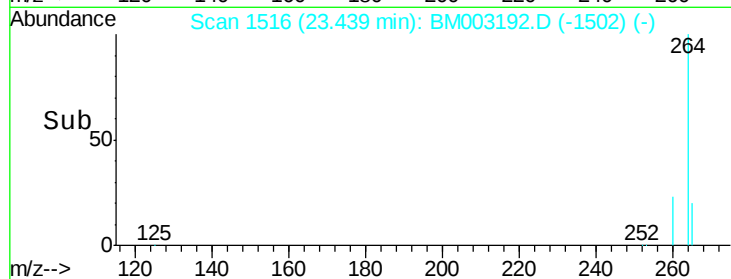
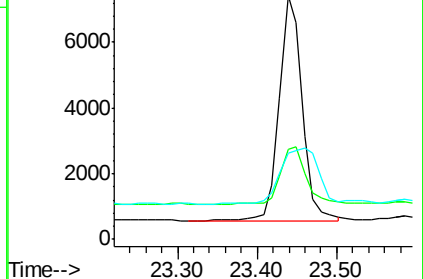
125 35.3 12.7 19.1#



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: 25.68 min Scan# 1731

Delta R.T. -0.19 min

Lab File: BM003192.D

Acq: 19 Nov 2015 16:28

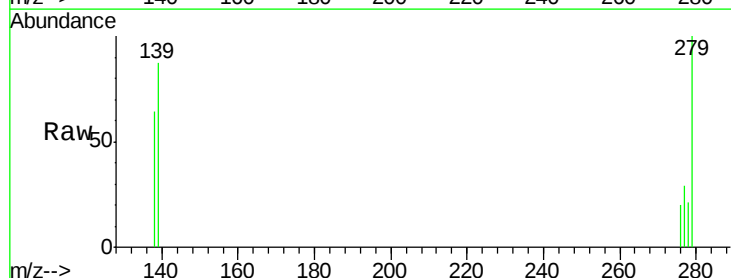
Tgt Ion:276 Resp: 21

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

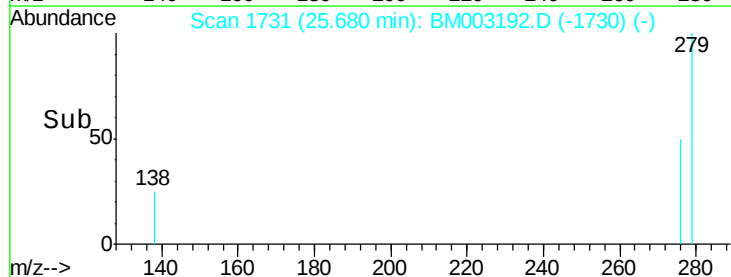
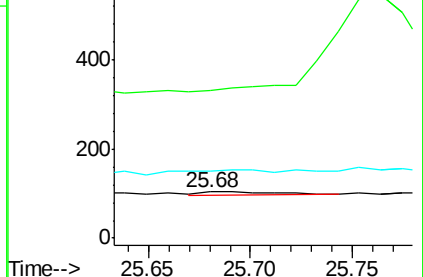
277 195.2 0.0 0.0#

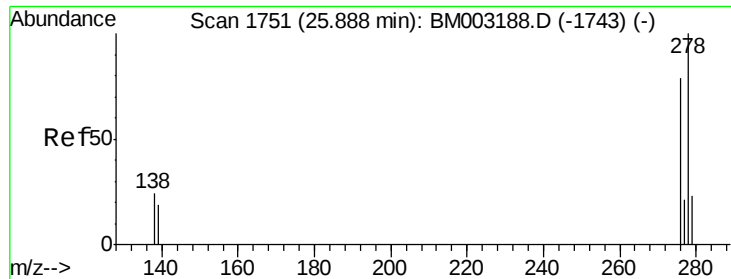


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

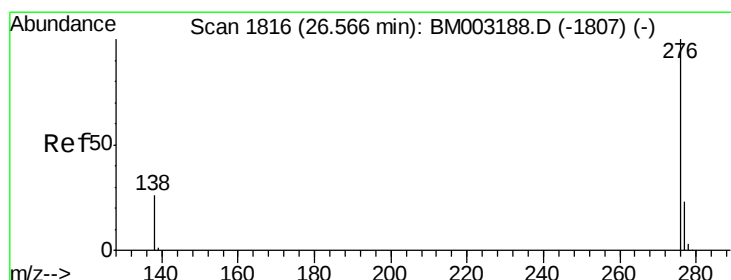
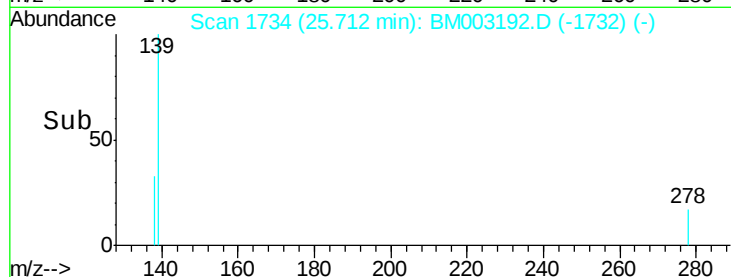
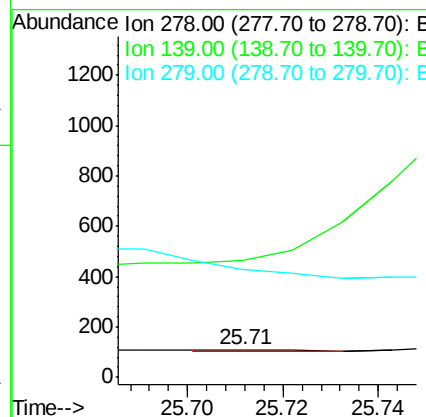
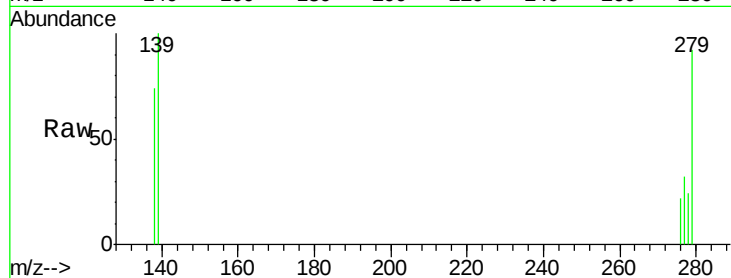




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.71 min Scan# 1734
Delta R.T. -0.18 min
Lab File: BM003192.D
Acq: 19 Nov 2015 16:28

Instrument :
BNA_M
ClientSampleId :
A4HT5

Tot Ion:278 Resp: 6
Ion Ratio Lower Upper
278 100
139 422.7 16.4 24.6#
279 390.9 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.43 min Scan# 1803
Delta R.T. -0.14 min
Lab File: BM003192.D
Acq: 19 Nov 2015 16:28

Tgt Ion:276 Resp: 14
Ion Ratio Lower Upper
276 100
277 141.6 18.9 28.3#
138 309.9 22.5 33.7#

