

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003230.D
 Acq On : 20 Nov 2015 20:33
 Operator : UM/IZ
 Sample : G4322-06RX
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HR7

Quant Time: Nov 21 04:26:47 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	14089	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	55088	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	28853	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	60107	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	55085	0.40	ng/ul	0.00
22) Perylene-d12	23.60	264	55451	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	47677	3.17	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	10314	0.14	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	23376	0.16	ng/ul	0.00

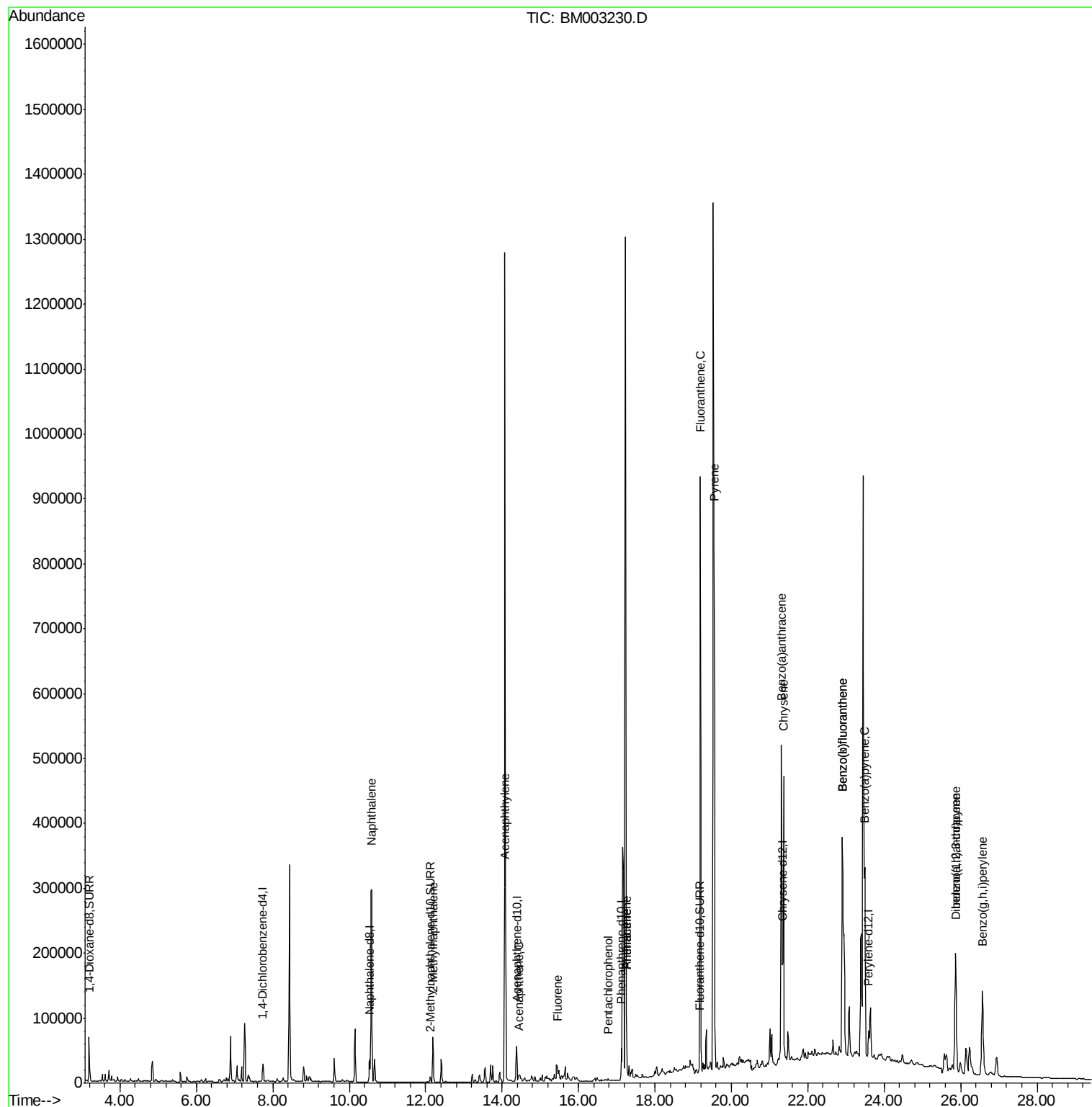
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.58	128	461216	3.26	ng/ul	99
7) 2-Methylnaphthalene	12.19	142	49069	0.53	ng/ul#	100
9) Acenaphthylene	14.09	152	71374	0.59	ng/ul	99
10) Acenaphthene	14.45	153	9612	0.09	ng/ul#	86
11) Fluorene	15.44	166	31405	0.29	ng/ul#	93
13) Pentachlorophenol	16.78	266	1526	0.11	ng/ul	95
14) Phenanthrene	17.26	178	109710	0.63	ng/ul	98
15) Anthracene	17.26	178	120786	0.83	ng/ul	99
17) Fluoranthene	19.19	202	830683	4.29	ng/ul	98
19) Pyrene	19.55	202	746558	3.95	ng/ul	98
20) Benzo(a)anthracene	21.31	228	468637	2.93	ng/ul#	88
21) Chrysene	21.36	228	431623	2.40	ng/ul	94
23) Benzo(b)fluoranthene	22.91	252	748608	3.55	ng/ul	93
24) Benzo(k)fluoranthene	22.91	252	748608	3.75	ng/ul#	92
25) Benzo(a)pyrene	23.49	252	406026	2.17	ng/ul#	95
26) Indeno(1,2,3-cd)pyrene	25.87	276	291093	1.30	ng/ul#	95
27) Dibenzo(a,h)anthracene	25.88	278	73394	0.41	ng/ul#	75
28) Benzo(g,h,i)perylene	26.57	276	276025	1.41	ng/ul	99

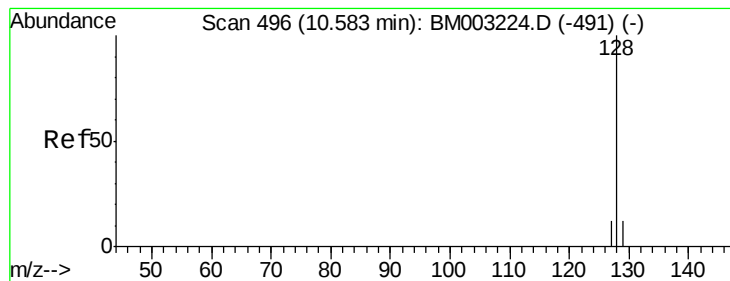
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 3.26 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003230.D

Acq: 20 Nov 2015 20:33

Instrument :

BNA_M

ClientSampleId :

A4HR7

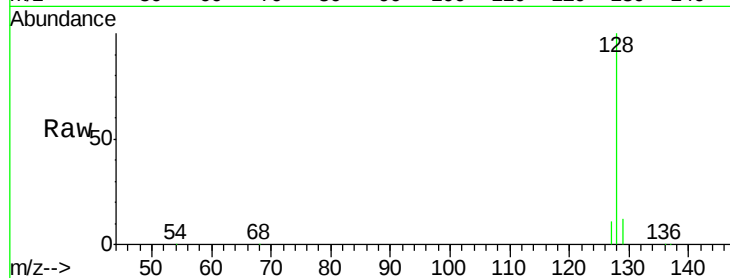
Tgt Ion:128 Resp: 461216

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

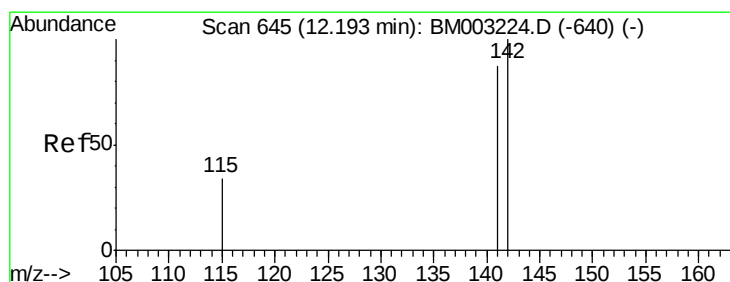
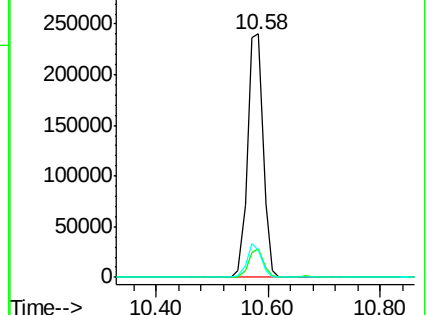
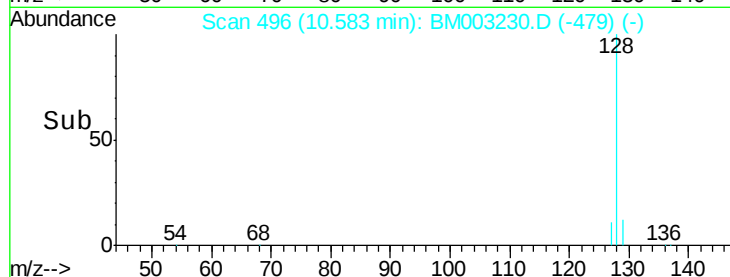
127 11.5 9.6 14.4



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: 0.53 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003230.D

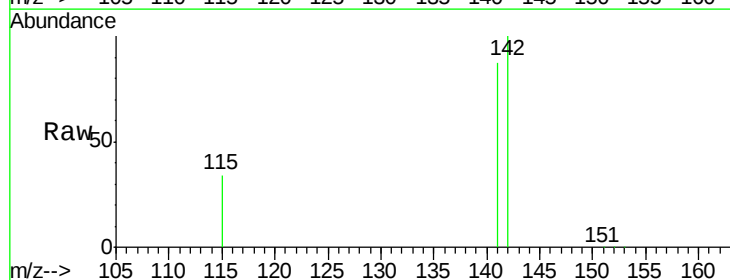
Acq: 20 Nov 2015 20:33

Tgt Ion:142 Resp: 49069

Ion Ratio Lower Upper

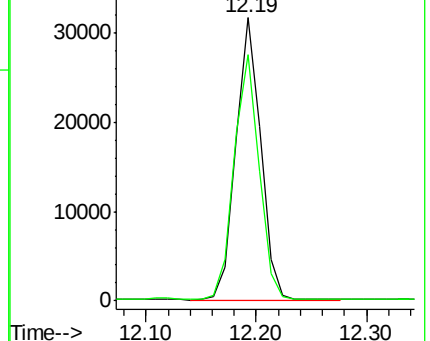
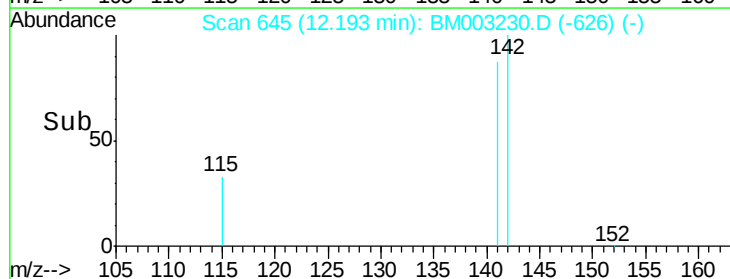
142 100

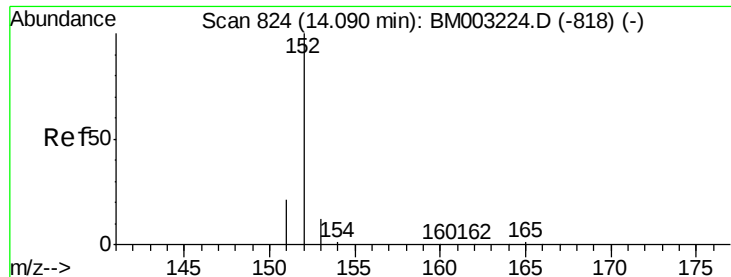
141 88.0 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.59 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003230.D

Acq: 20 Nov 2015 20:33

Instrument :

BNA_M

ClientSampleId :

A4HR7

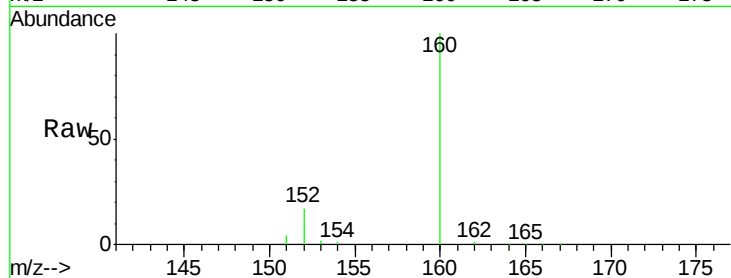
Tgt Ion:152 Resp: 71374

Ion Ratio Lower Upper

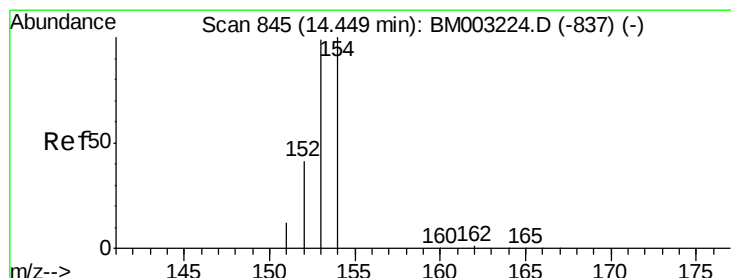
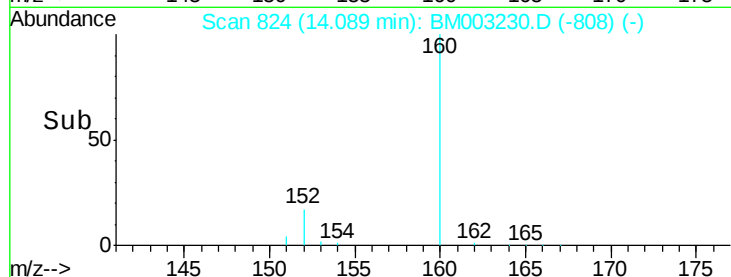
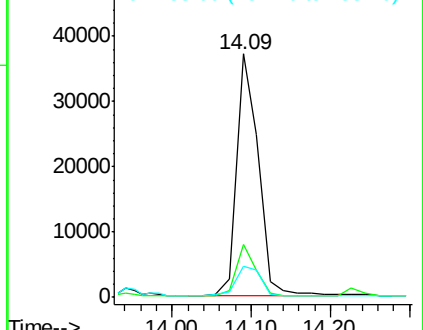
152 100

151 21.8 17.6 26.4

153 13.0 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: 0.09 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM003230.D

Acq: 20 Nov 2015 20:33

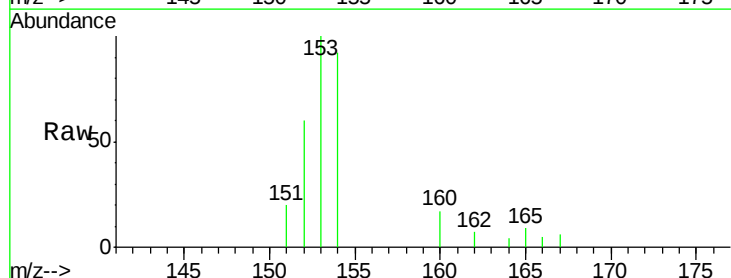
Tgt Ion:153 Resp: 9612

Ion Ratio Lower Upper

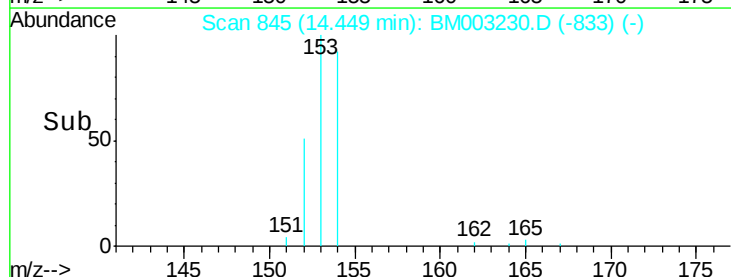
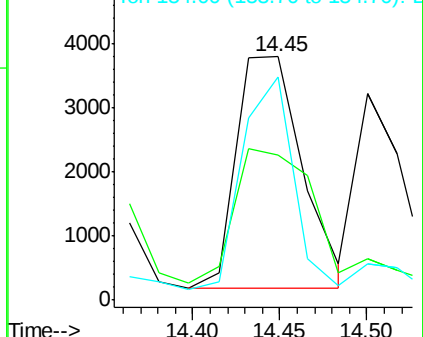
153 100

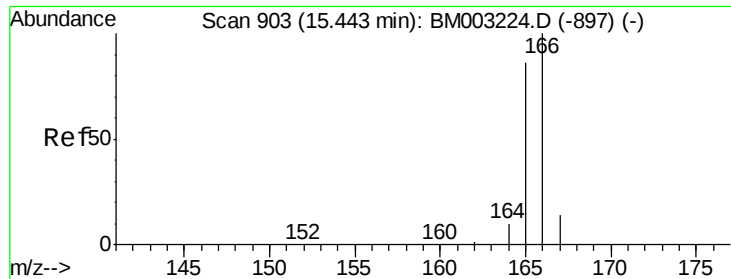
152 59.5 33.9 50.9#

154 91.8 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

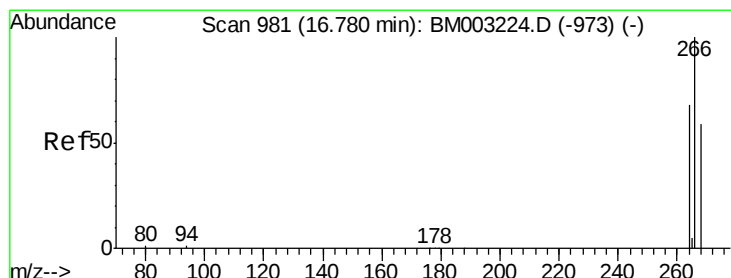
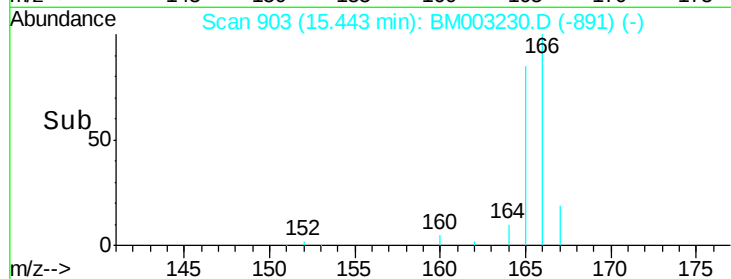
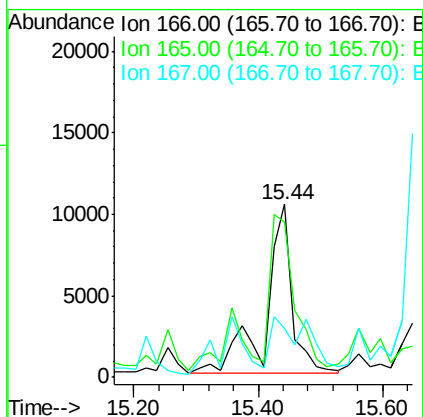
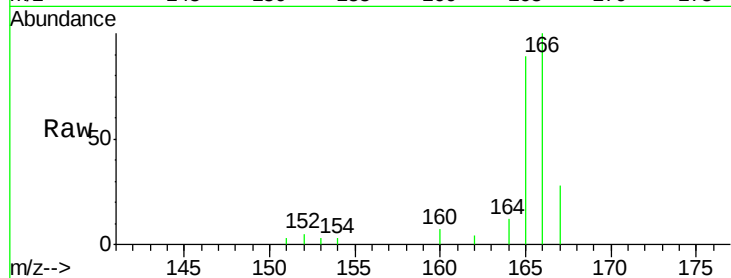




#11
Fluorene
 Concen: 0.29 ng/ul
 RT: 15.44 min Scan# 903
 Delta R.T. -0.00 min
 Lab File: BM003230.D
 Acq: 20 Nov 2015 20:33

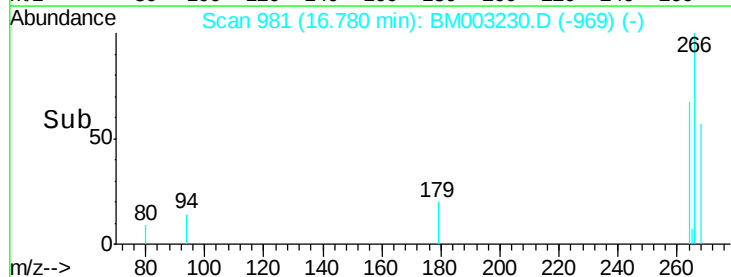
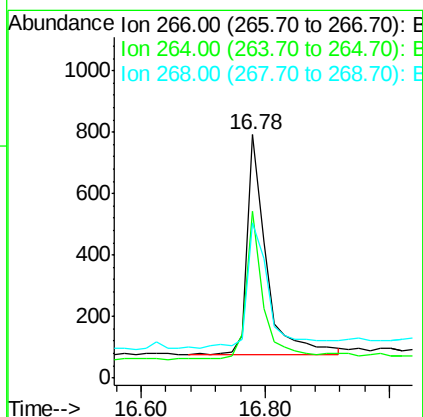
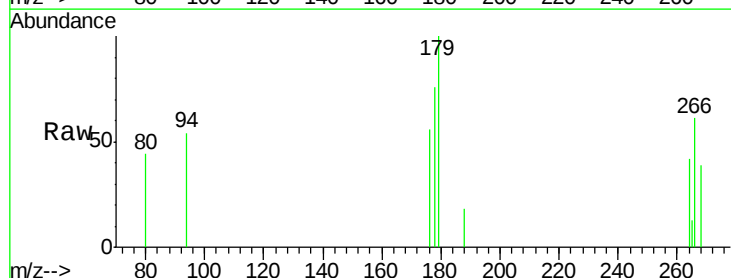
Instrument :
 BNA_M
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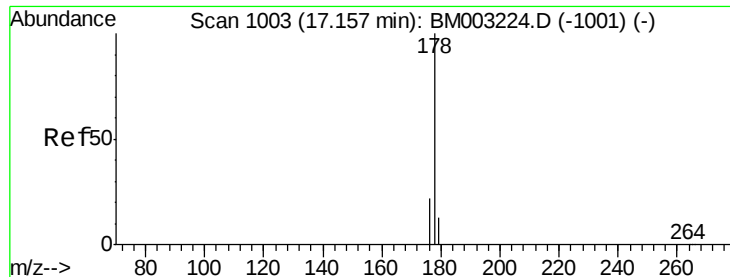
Tgt Ion:166 Resp: 31405
 Ion Ratio Lower Upper
 166 100
 165 89.5 69.6 104.4
 167 28.0 11.9 17.9#



#13
Pentachlorophenol
 Concen: 0.11 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003230.D
 Acq: 20 Nov 2015 20:33

Tgt Ion:266 Resp: 1526
 Ion Ratio Lower Upper
 266 100
 264 63.9 51.8 77.8
 268 65.6 46.8 70.2





#14

Phenanthrene

Concen: 0.63 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.10 min

Lab File: BM003230.D

Acq: 20 Nov 2015 20:33

Instrument :

BNA_M

ClientSampleId :

A4HR7

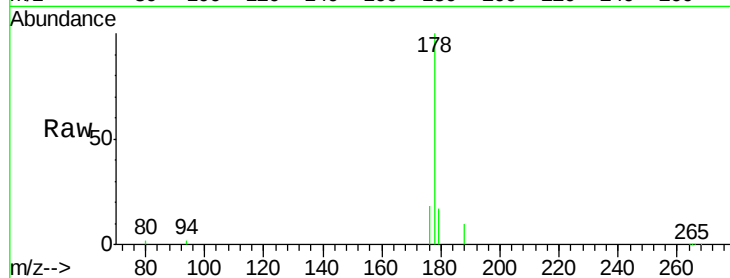
Tgt Ion:178 Resp: 109710

Ion Ratio Lower Upper

178 100

176 17.6 13.0 19.4

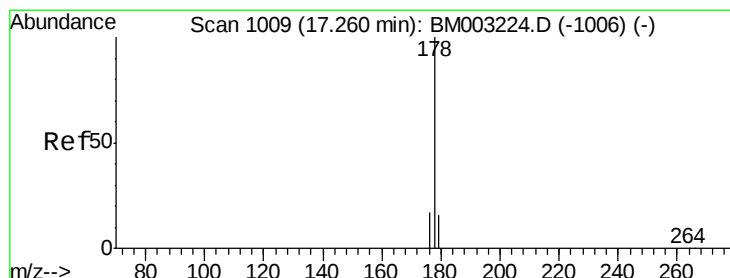
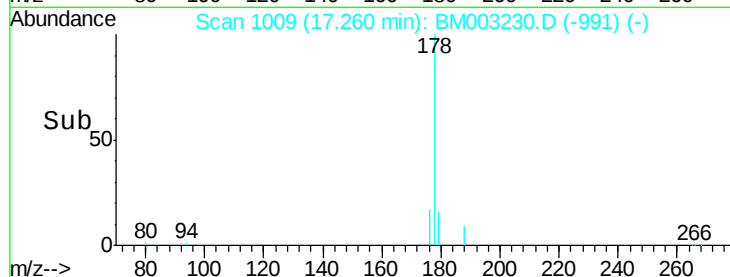
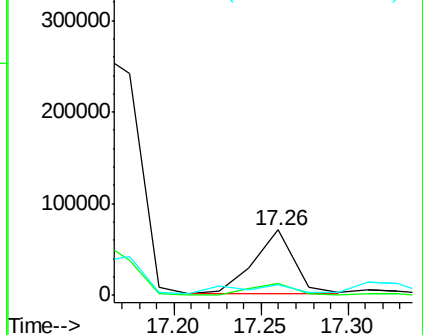
179 17.1 14.2 21.2



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: 0.83 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003230.D

Acq: 20 Nov 2015 20:33

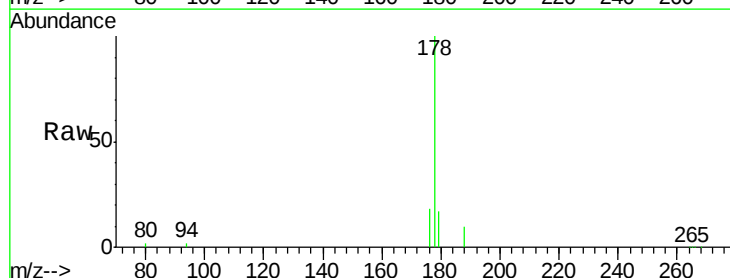
Tgt Ion:178 Resp: 120786

Ion Ratio Lower Upper

178 100

176 17.6 14.0 21.0

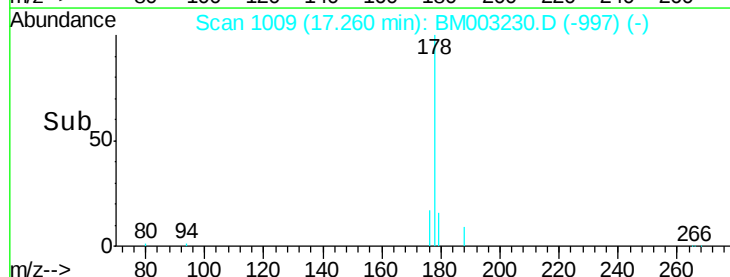
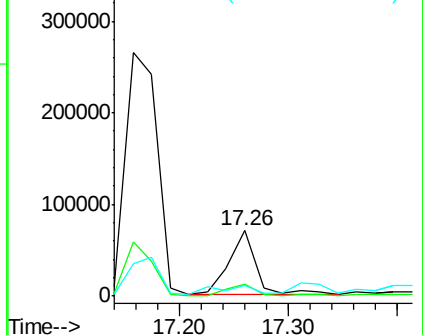
179 17.1 12.9 19.3

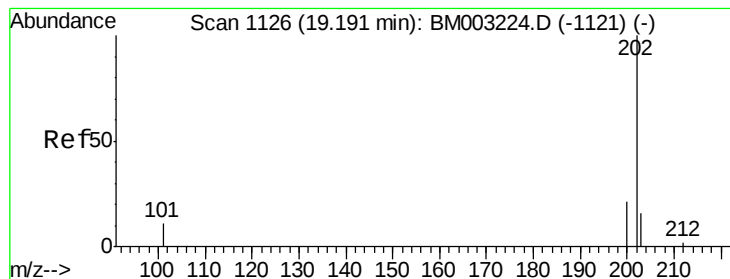


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 4.29 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BM003230.D

Acq: 20 Nov 2015 20:33

Instrument :

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A4HR7

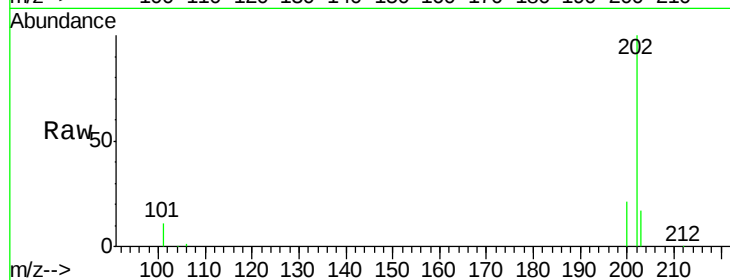
Tgt Ion:202 Resp: 830683

Ion Ratio Lower Upper

202 100

101 10.6 0.0 29.6

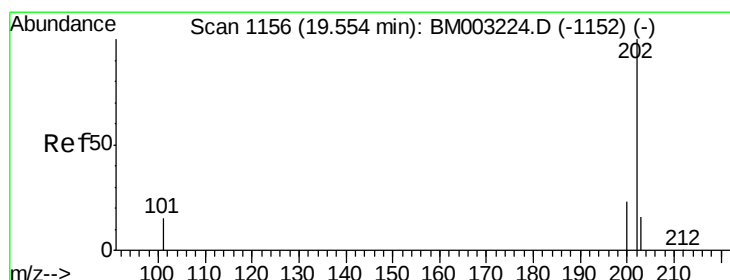
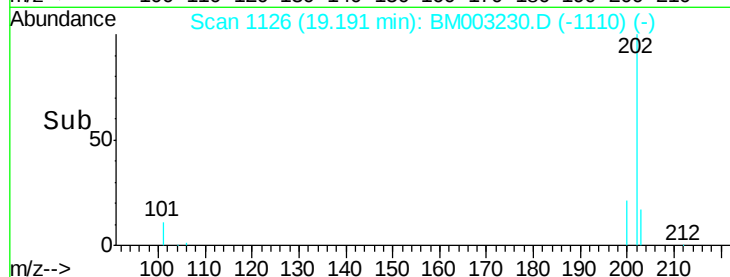
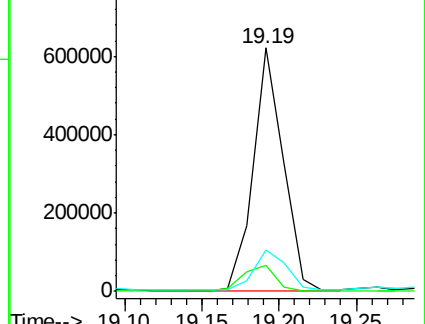
203 17.2 0.0 36.3



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: 3.95 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BM003230.D

Acq: 20 Nov 2015 20:33

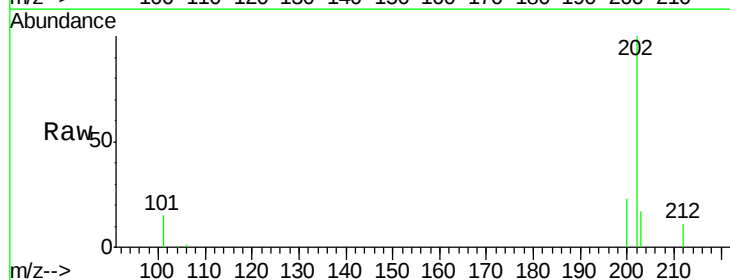
Tgt Ion:202 Resp: 746558

Ion Ratio Lower Upper

202 100

200 23.0 17.8 26.8

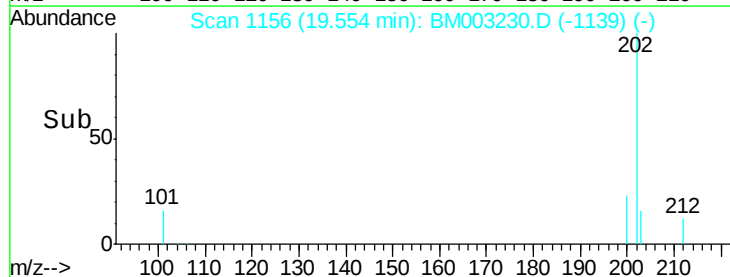
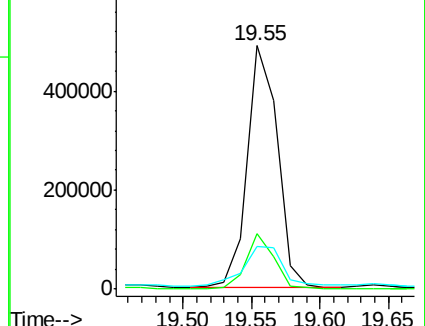
203 17.4 12.8 19.2

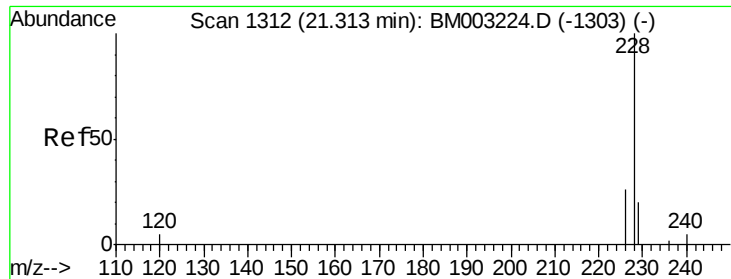


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 2.93 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BM003230.D

Acq: 20 Nov 2015 20:33

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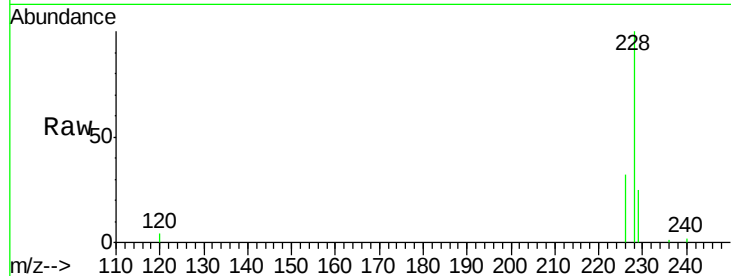
Tgt Ion:228 Resp: 468637

Ion Ratio Lower Upper

228 100

226 31.7 18.8 28.2#

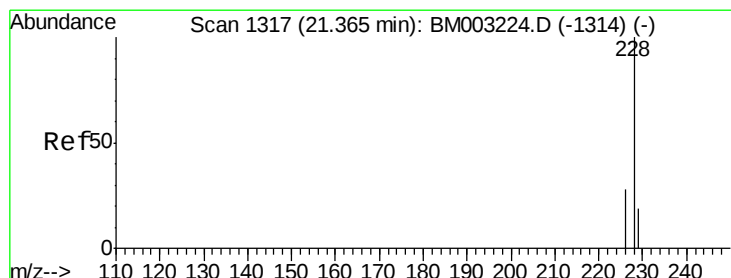
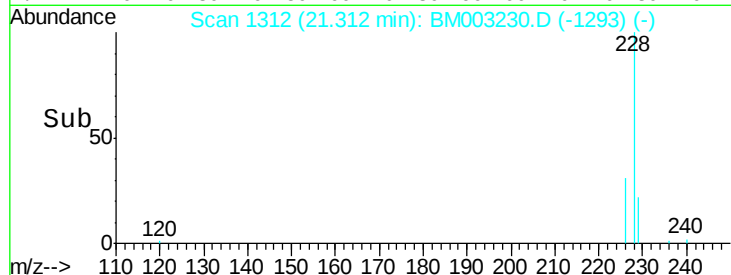
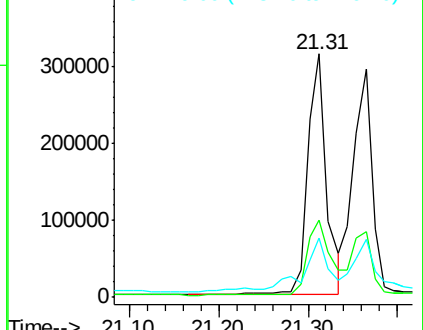
229 24.5 17.1 25.7



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

Chrysene

Concen: 2.40 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BM003230.D

Acq: 20 Nov 2015 20:33

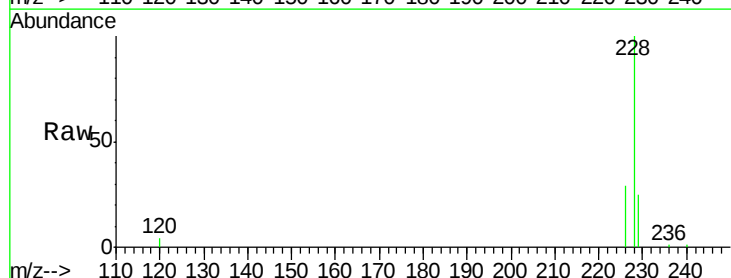
Tgt Ion:228 Resp: 431623

Ion Ratio Lower Upper

228 100

226 28.5 21.2 31.8

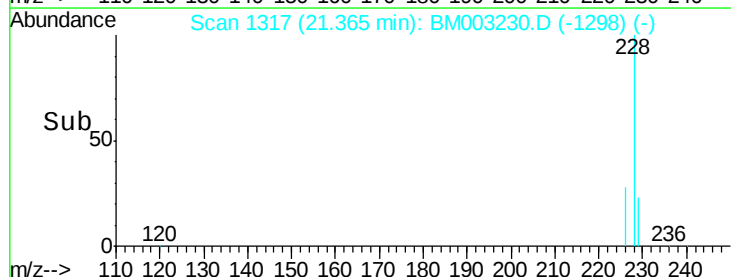
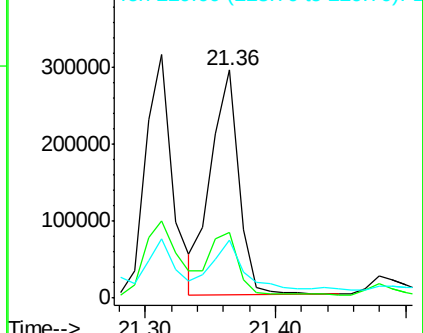
229 25.4 17.0 25.6

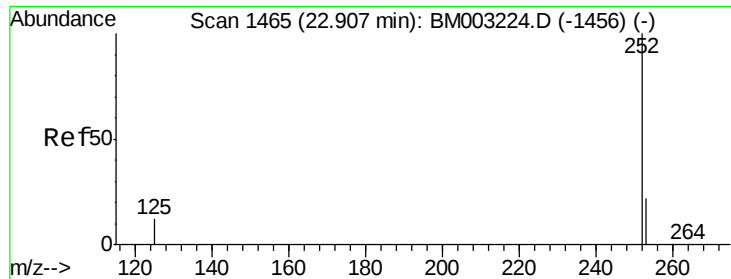


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 3.55 ng/u1

RT: 22.91 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BM003230.D

Acq: 20 Nov 2015 20:33

Instrument :

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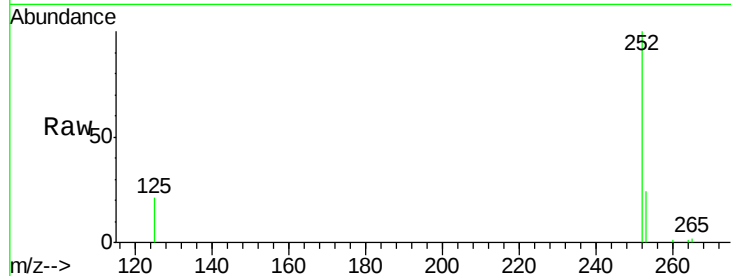
Tgt Ion:252 Resp: 748608

Ion Ratio Lower Upper

252 100

253 23.9 0.0 45.4

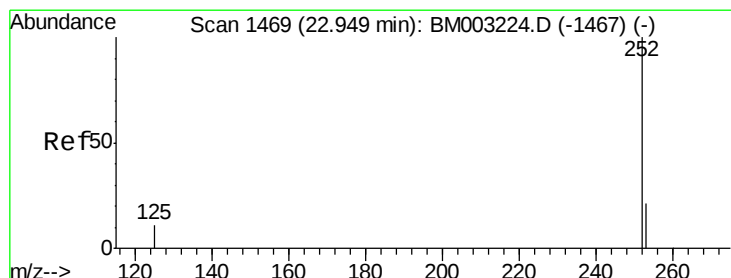
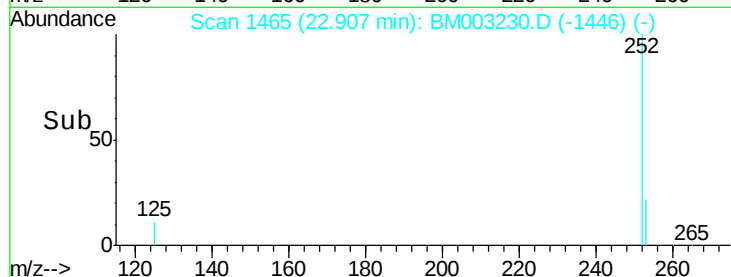
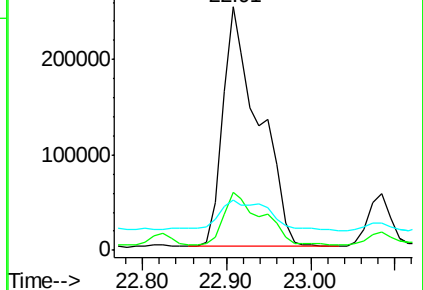
125 20.6 0.0 28.8



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: 3.75 ng/u1

RT: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003230.D

Acq: 20 Nov 2015 20:33

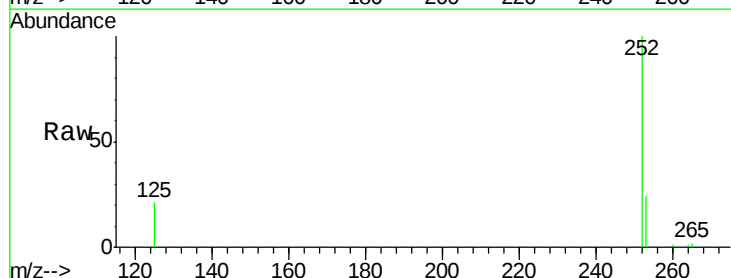
Tgt Ion:252 Resp: 748608

Ion Ratio Lower Upper

252 100

253 23.9 19.8 29.8

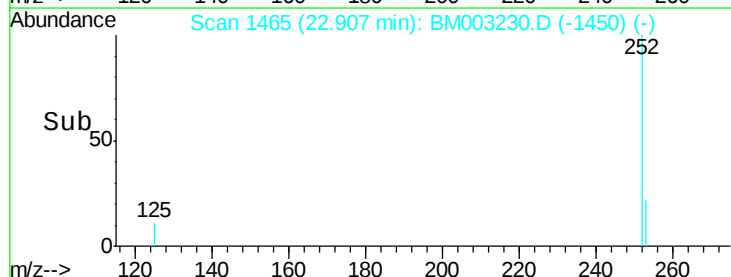
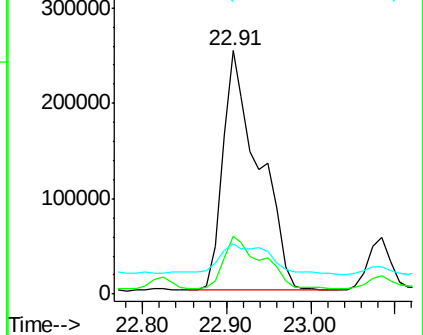
125 20.6 10.4 15.6#

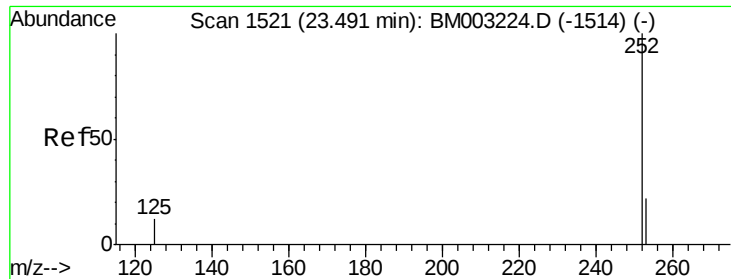


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 2.17 ng/ul

RT: 23.49 min Scan# 1521

Delta R.T. -0.00 min

Lab File: BM003230.D

Acq: 20 Nov 2015 20:33

Instrument :

BNA_M

ClientSampleId :

A4HR7

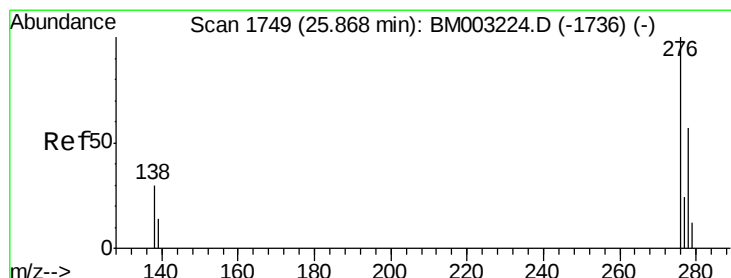
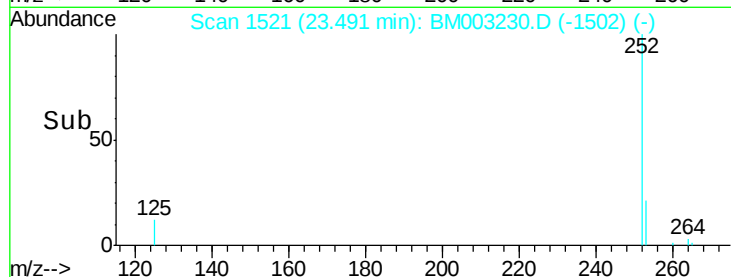
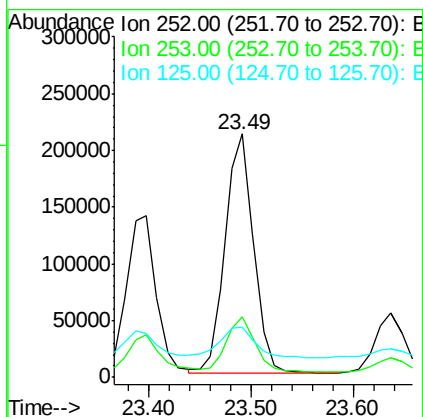
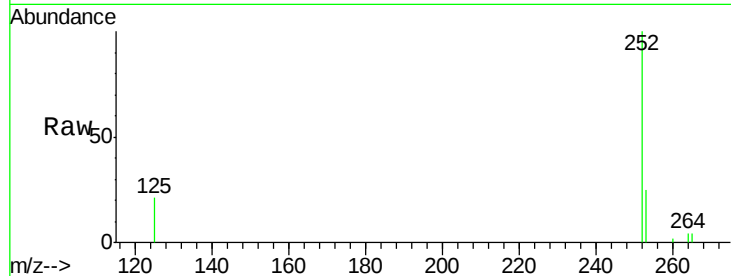
Tgt Ion:252 Resp: 406026

Ion Ratio Lower Upper

252 100

253 25.1 19.4 29.2

125 20.6 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 1.30 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. -0.00 min

Lab File: BM003230.D

Acq: 20 Nov 2015 20:33

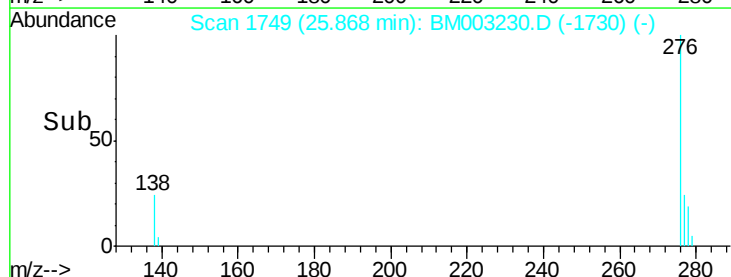
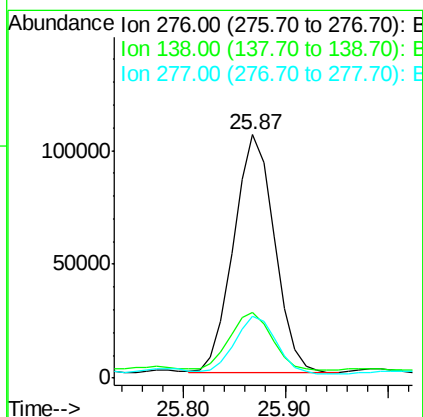
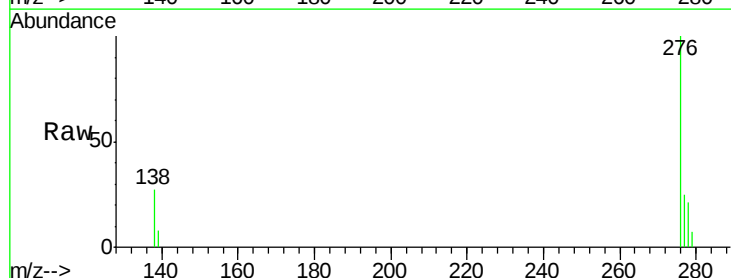
Tgt Ion:276 Resp: 291093

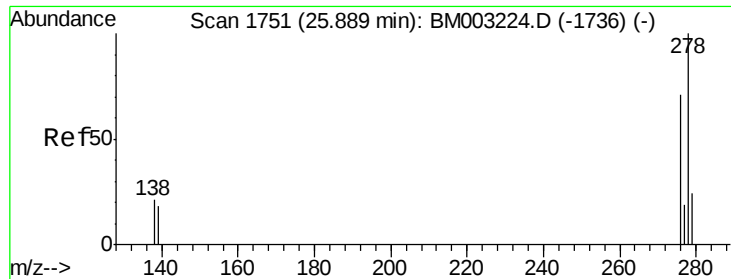
Ion Ratio Lower Upper

276 100

138 25.2 16.3 24.5#

277 24.6 19.8 29.8



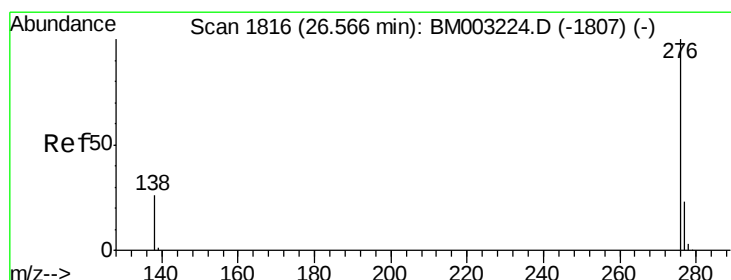
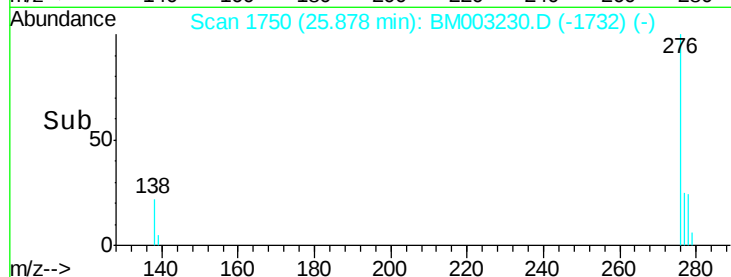
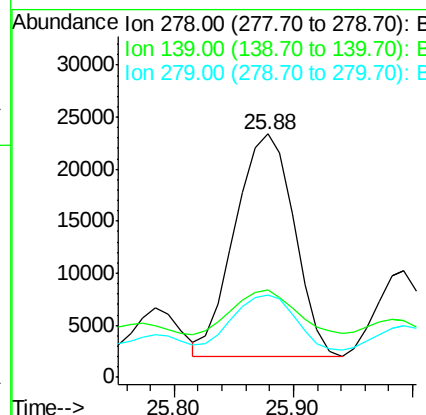
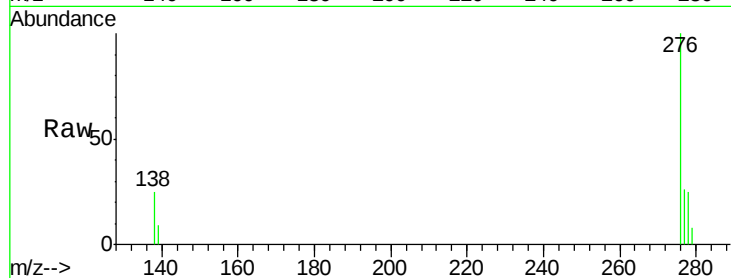


#27
Dibenzo(a,h)anthracene
Concen: 0.41 ng/ul
RT: 25.88 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BM003230.D
Acq: 20 Nov 2015 20:33

Instrument :
BNA_M
ClientSampleId :
A4HR7

Tgt Ion: 278 Resp: 73394

Ion	Ratio	Lower	Upper
278	100		
139	35.9	16.4	24.6#
279	34.1	20.2	30.2#



#28
Benzo(g,h,i)perylene
Concen: 1.41 ng/ul
RT: 26.57 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BM003230.D
Acq: 20 Nov 2015 20:33

Tgt Ion: 276 Resp: 276025

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.9	28.3
138	28.5	22.5	33.7

