

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
 Data File : BM003205.D
 Acq On : 20 Nov 2015 00:22
 Operator : UM/IZ
 Sample : G4323-25
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J45

Quant Time: Nov 20 03:41:50 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 03:16:26 2015
 Response via : Initial Calibration

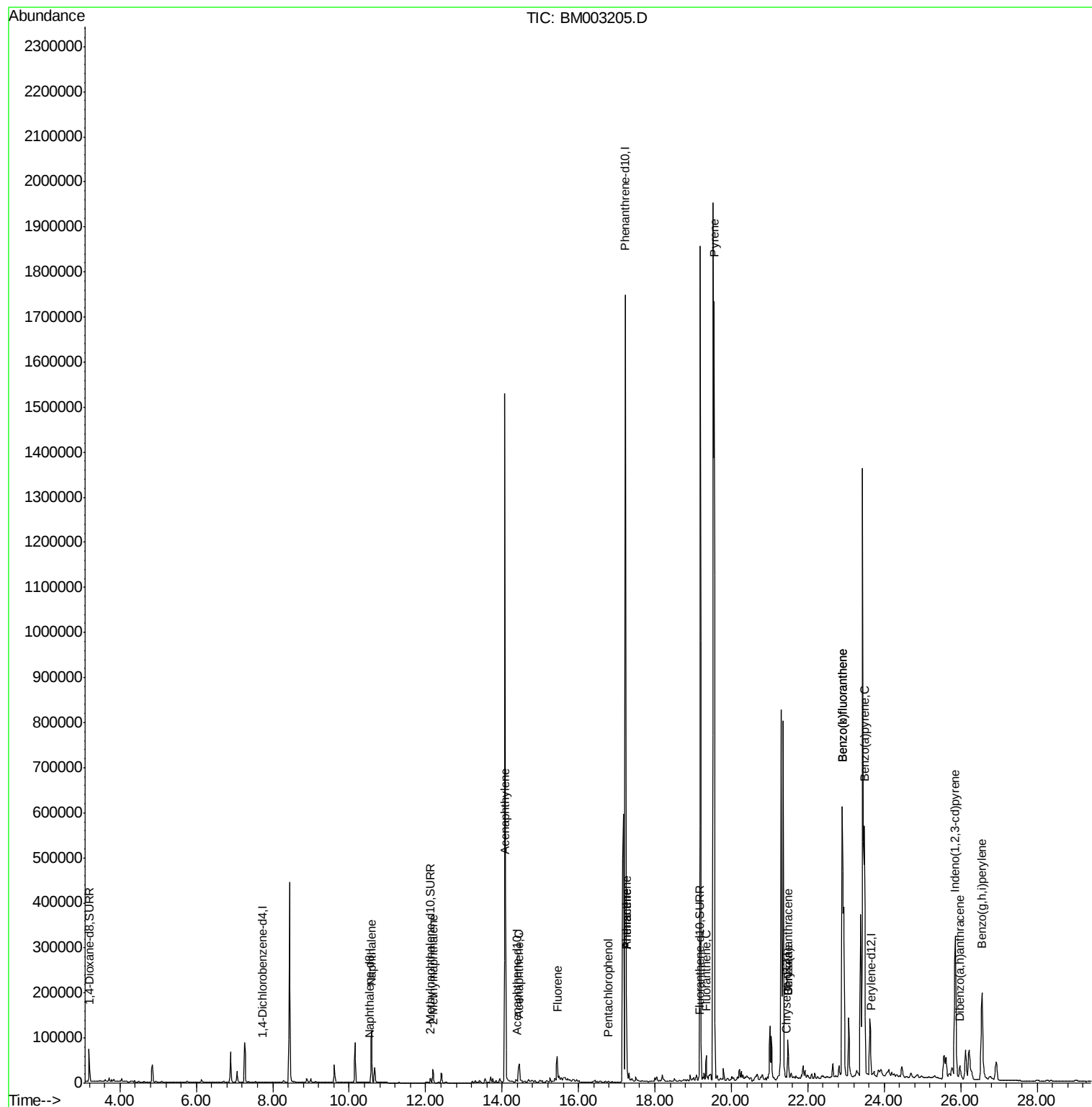
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	304	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	1395	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	2365	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	2032884	0.40	ng/ul	0.10
18) Chrysene-d12	21.45	240	290	0.40	ng/ul	0.11
22) Perylene-d12	23.65	264	10859	0.40	ng/ul	0.06
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	51775	159.41	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	12607	6.65	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	25621	0.01	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.58	128	166128	46.40	ng/ul	100
7) 2-Methylnaphthalene	12.19	142	21451	9.20	ng/ul#	100
9) Acenaphthylene	14.09	152	112566	11.43	ng/ul	99
10) Acenaphthene	14.45	153	31215	3.76	ng/ul	98
11) Fluorene	15.44	166	54962	6.11	ng/ul	99
13) Pentachlorophenol	16.78	266	1620	0.00	ng/ul#	18
14) Phenanthrene	17.26	178	216837	0.04	ng/ul	97
15) Anthracene	17.26	178	212503	0.04	ng/ul	100
17) Fluoranthene	19.35	202	51287	0.01	ng/ul	87
19) Pyrene	19.55	202	1595763	1604.98	ng/ul	99
20) Benzo(a)anthracene	21.48	228	77532	92.20	ng/ul#	56
21) Chrysene	21.48	228	77532	81.87	ng/ul#	59
23) Benzo(b)fluoranthene	22.91	252	1445454	35.01	ng/ul	98
24) Benzo(k)fluoranthene	22.91	252	1445454	37.01	ng/ul	98
25) Benzo(a)pyrene	23.48	252	744485	20.27	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.86	276	501714	11.46	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.98	278	43942	1.24	ng/ul#	81
28) Benzo(a,h,i)perylene	26.56	276	408715	10.63	ng/ul	99

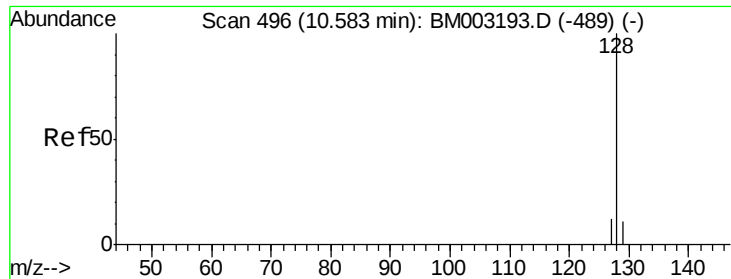
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 46.40 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003205.D

Acq: 20 Nov 2015 00:22

Instrument :

BNA_M

ClientSampleId :

A4J45

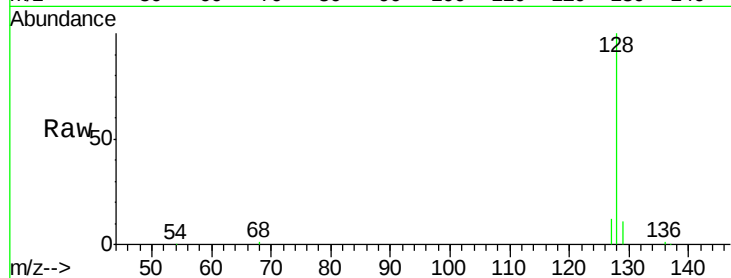
Tot Ion:128 Resp: 166128

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

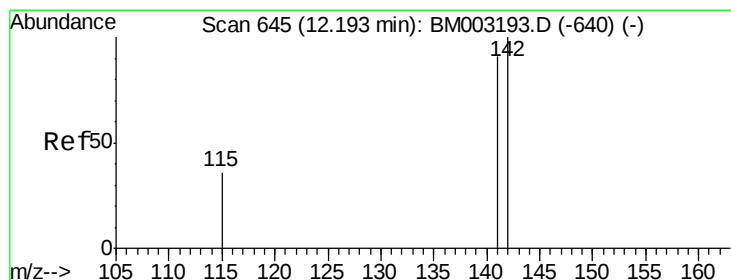
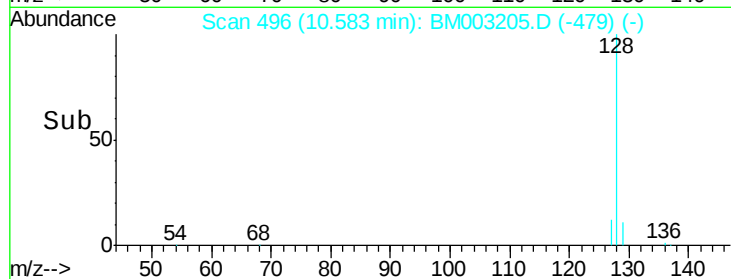
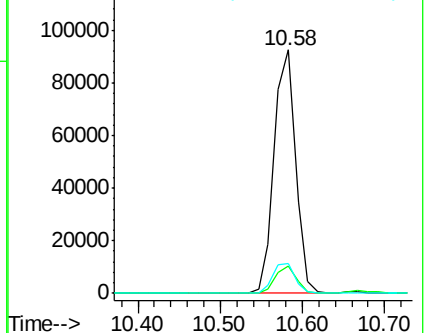
127 12.0 9.6 14.4



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: 9.20 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003205.D

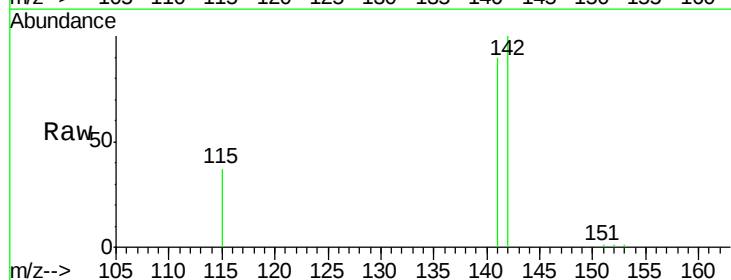
Acq: 20 Nov 2015 00:22

Tgt Ion:142 Resp: 21451

Ion Ratio Lower Upper

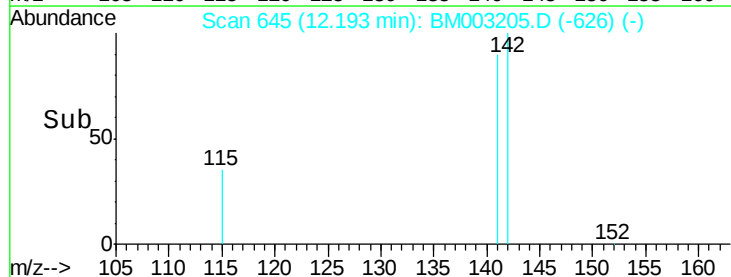
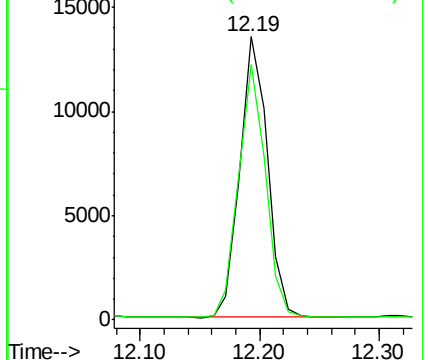
142 100

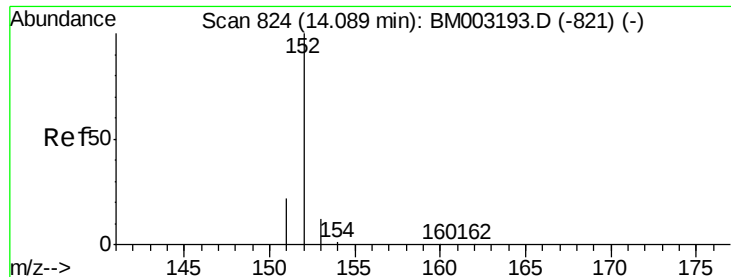
141 88.3 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 11.43 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003205.D

Acq: 20 Nov 2015 00:22

Instrument :

BNA_M

ClientSampleId :

A4J45

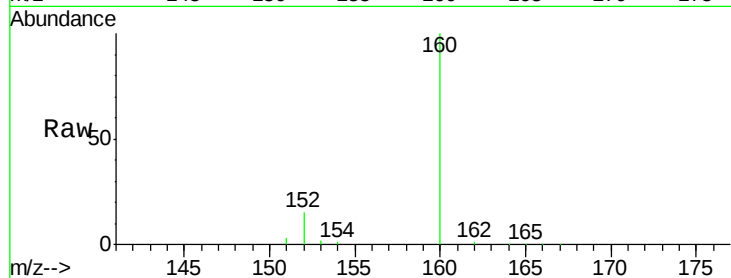
Tot Ion:152 Resp: 112566

Ion Ratio Lower Upper

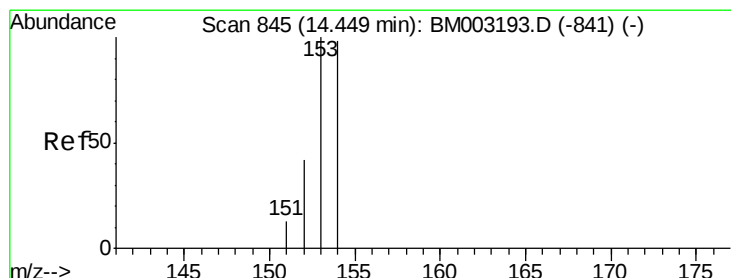
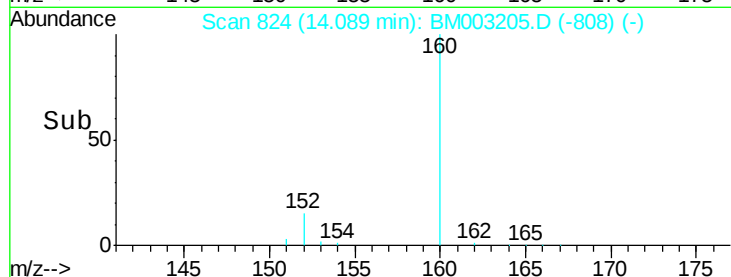
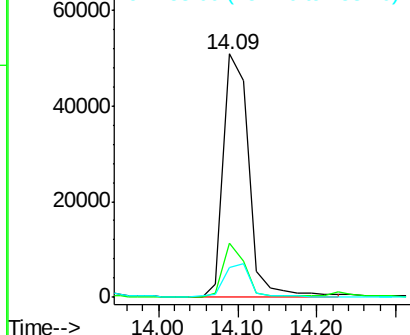
152 100

151 22.3 17.6 26.4

153 12.3 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: 3.76 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM003205.D

Acq: 20 Nov 2015 00:22

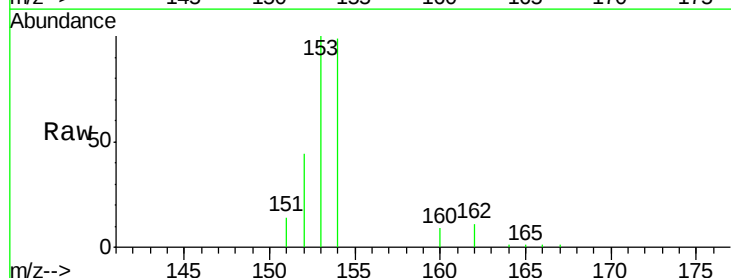
Tgt Ion:153 Resp: 31215

Ion Ratio Lower Upper

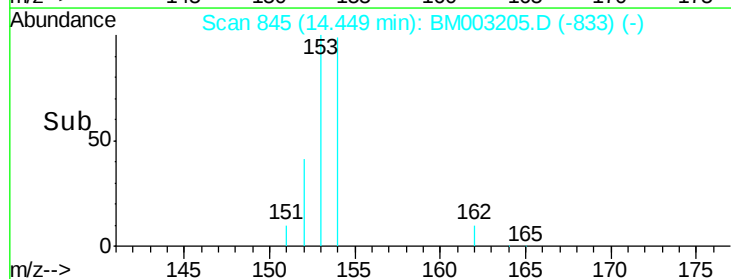
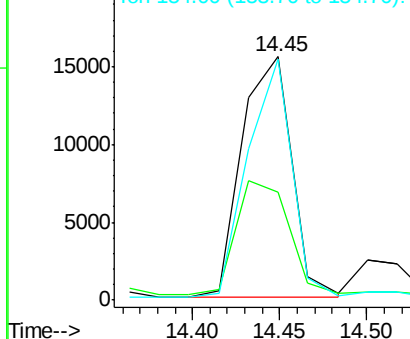
153 100

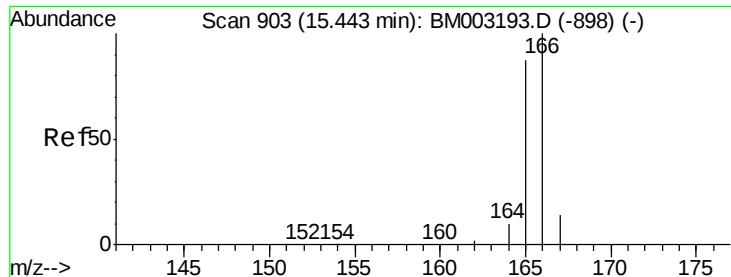
152 44.3 33.9 50.9

154 99.0 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

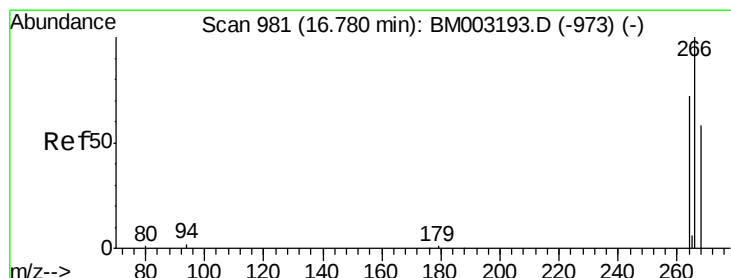
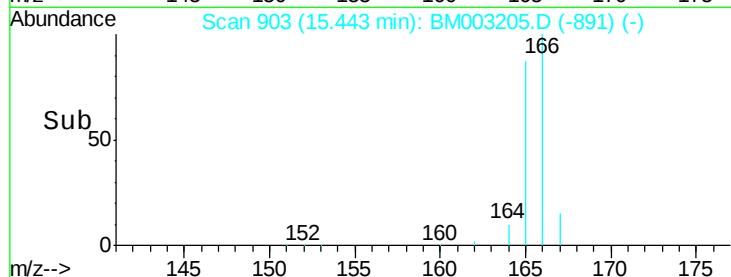
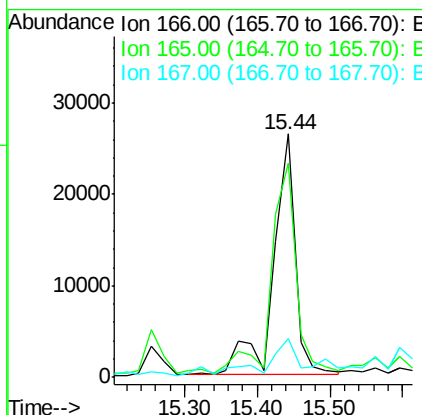
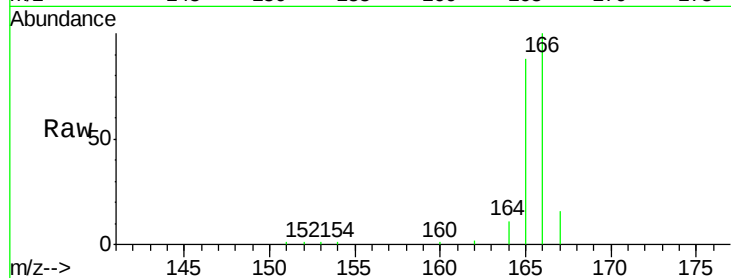




#11
 Fluorene
 Concen: 6.11 ng/ul
 RT: 15.44 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: BM003205.D
 Acq: 20 Nov 2015 00:22

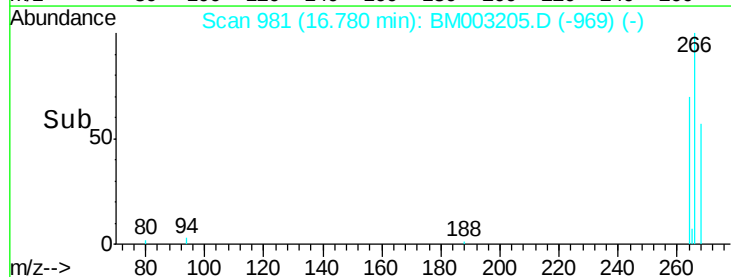
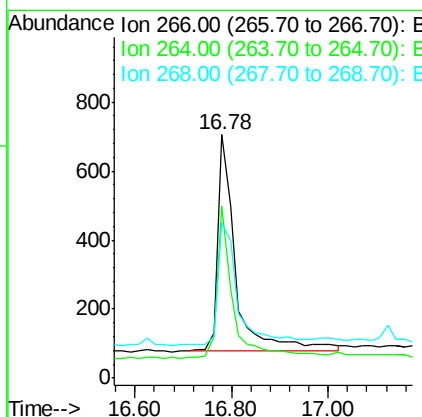
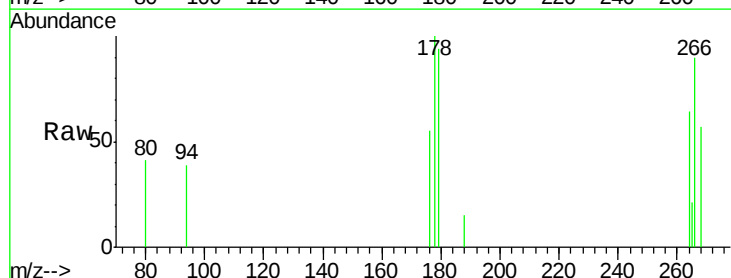
Instrument :
 BNA_M
 ClientSampleId :
 A4J45

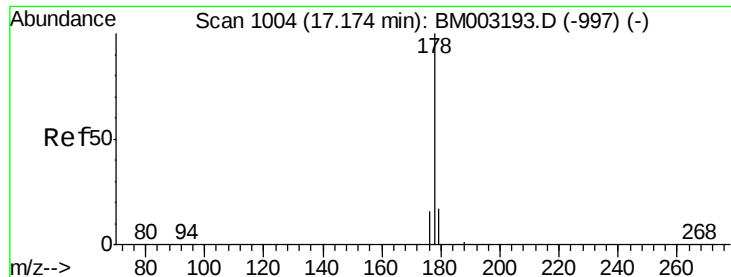
Tot Ion:166 Resp: 54962
 Ion Ratio Lower Upper
 166 100
 165 88.1 69.6 104.4
 167 16.1 11.9 17.9



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BM003205.D
 Acq: 20 Nov 2015 00:22

Tgt Ion:266 Resp: 1620
 Ion Ratio Lower Upper
 266 100
 264 62.1 0.3 0.5#
 268 62.3 0.0 0.0#





#14

Phenanthrene

Concen: 0.04 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.09 min

Lab File: BM003205.D

Acq: 20 Nov 2015 00:22

Instrument :

BNA_M

ClientSampleId :

A4J45

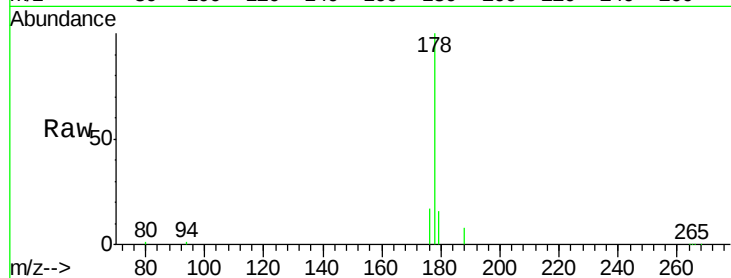
Tot Ion:178 Resp: 216837

Ion Ratio Lower Upper

178 100

176 17.3 13.0 19.4

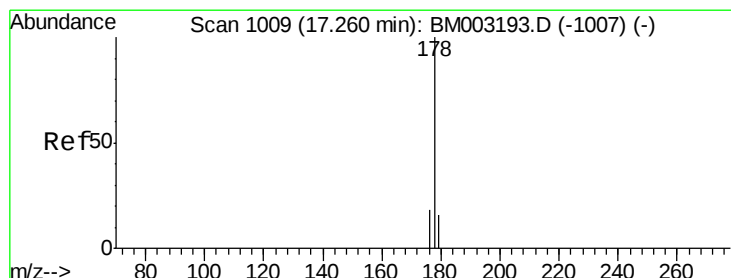
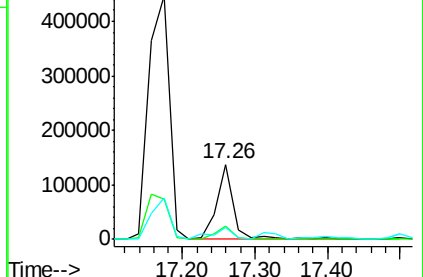
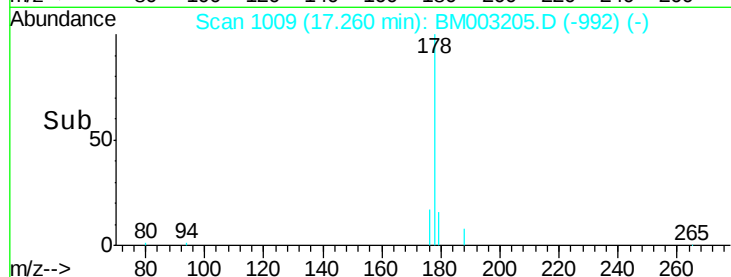
179 16.2 14.2 21.2



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: 0.04 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BM003205.D

Acq: 20 Nov 2015 00:22

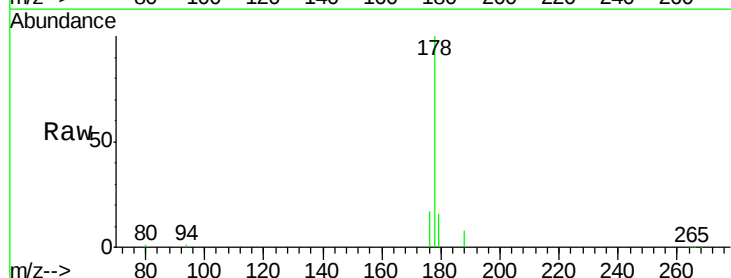
Tgt Ion:178 Resp: 212503

Ion Ratio Lower Upper

178 100

176 17.3 14.0 21.0

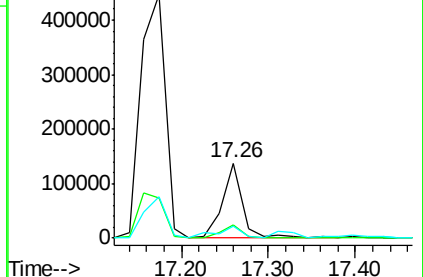
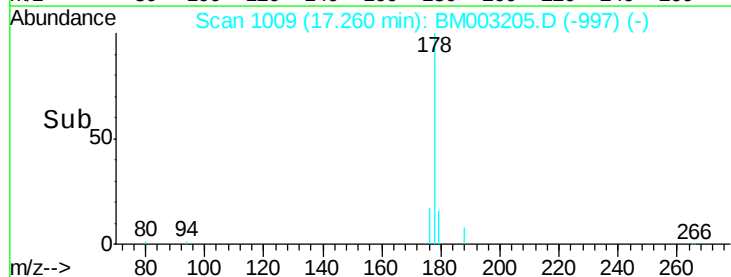
179 16.2 12.9 19.3

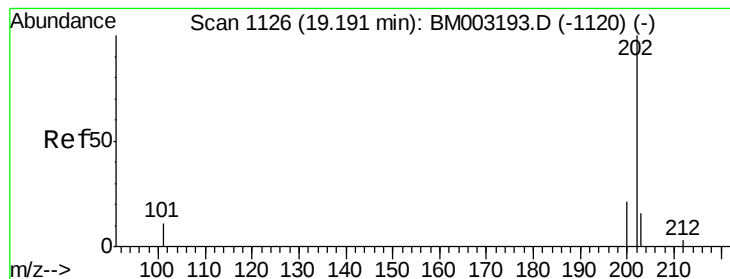


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.01 ng/ul

RT: 19.35 min Scan# 1139

Delta R.T. 0.16 min

Lab File: BM003205.D

Acq: 20 Nov 2015 00:22

Instrument :

BNA_M

ClientSampleId :

A4J45

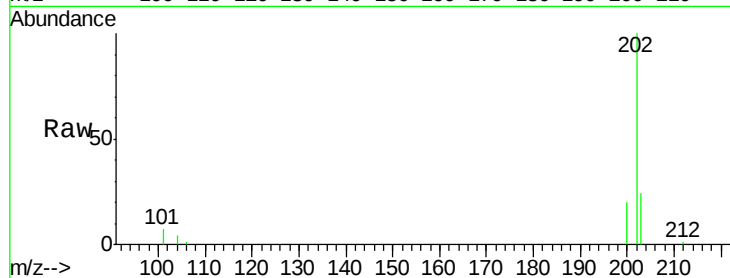
Tot Ion:202 Resp: 51287

Ion Ratio Lower Upper

202 100

101 7.2 0.0 29.6

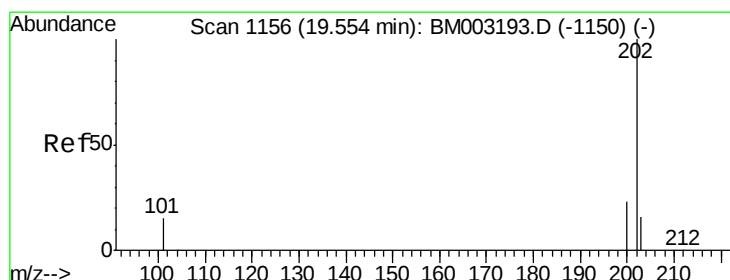
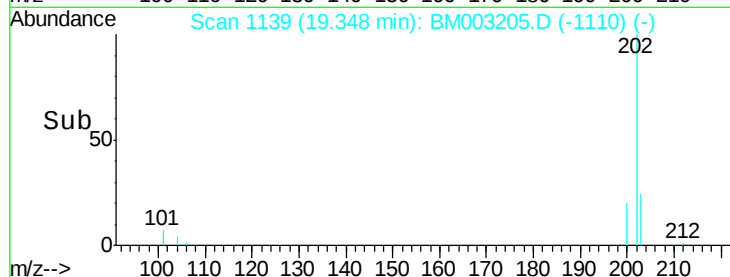
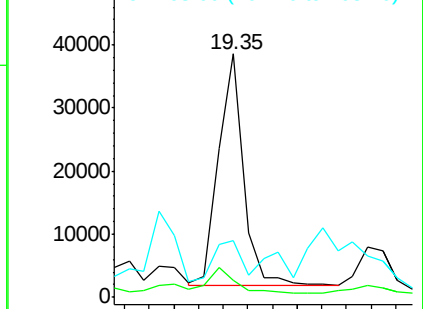
203 23.5 0.0 36.3



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: 1604.98 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BM003205.D

Acq: 20 Nov 2015 00:22

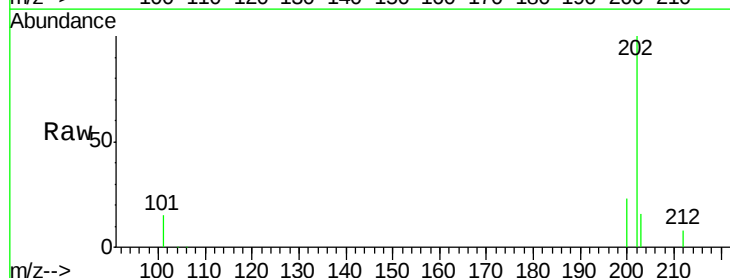
Tgt Ion:202 Resp: 1595763

Ion Ratio Lower Upper

202 100

200 22.6 17.8 26.8

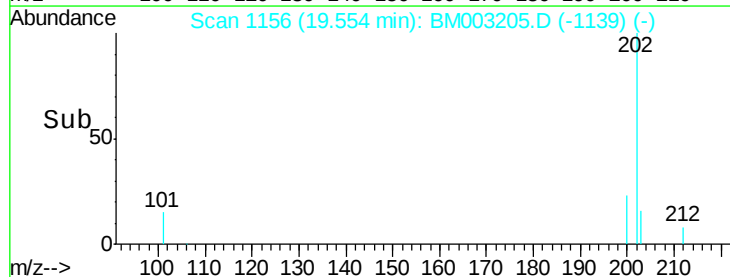
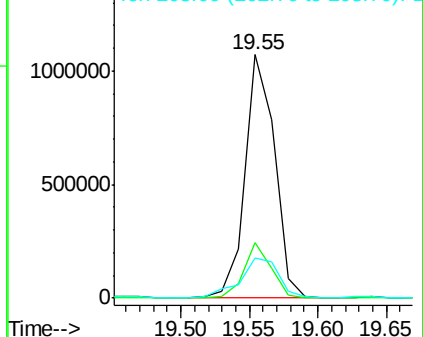
203 16.3 12.8 19.2

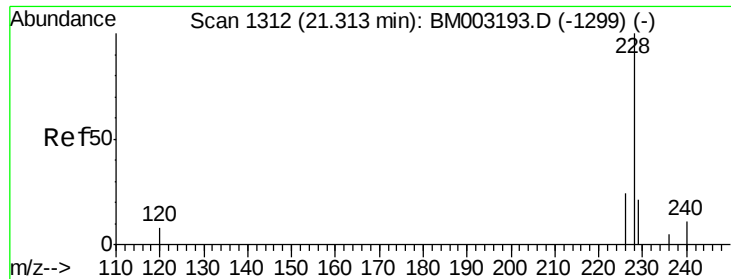


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 92.20 ng/ul

RT: 21.48 min Scan# 1328

Delta R.T. 0.17 min

Lab File: BM003205.D

Acq: 20 Nov 2015 00:22

Instrument :

BNA_M

ClientSampleId :

A4J45

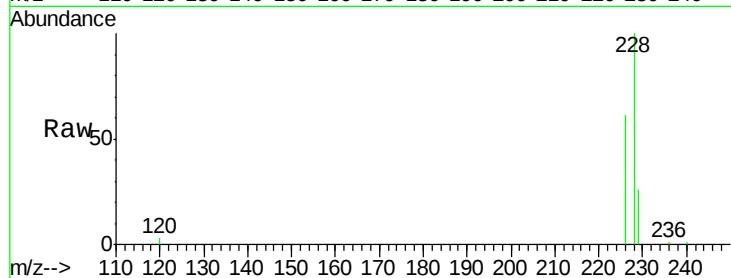
Tot Ion:228 Resp: 77532

Ion Ratio Lower Upper

228 100

226 60.6 18.8 28.2#

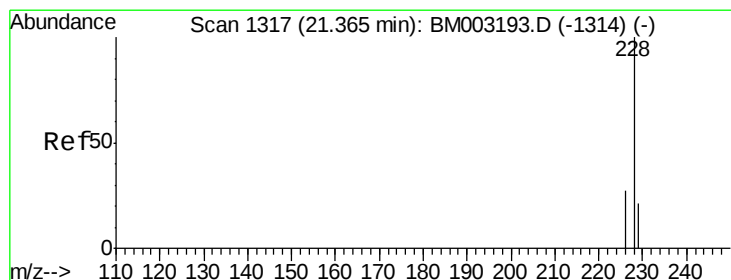
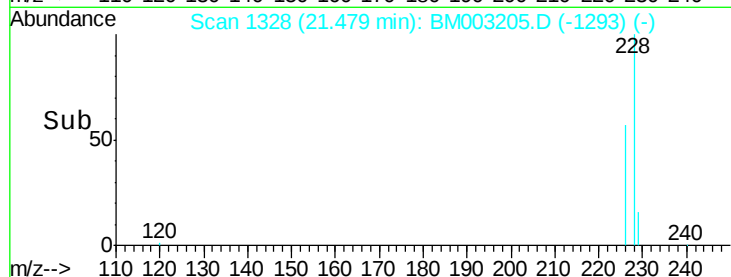
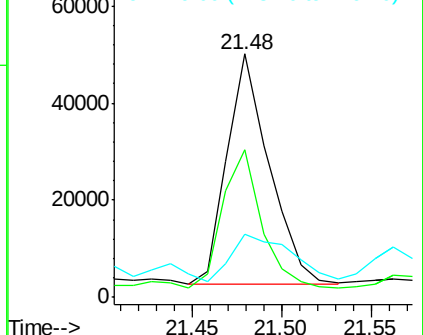
229 25.8 17.1 25.7#



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: 81.87 ng/ul

RT: 21.48 min Scan# 1328

Delta R.T. 0.11 min

Lab File: BM003205.D

Acq: 20 Nov 2015 00:22

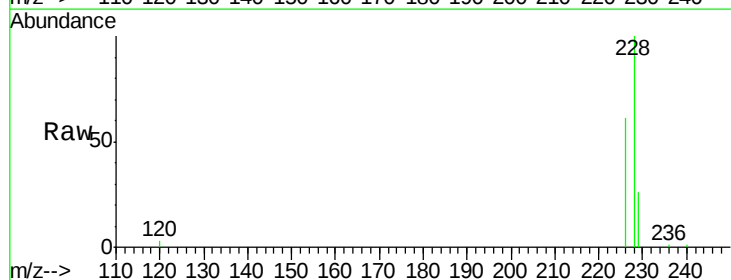
Tgt Ion:228 Resp: 77532

Ion Ratio Lower Upper

228 100

226 60.6 21.2 31.8#

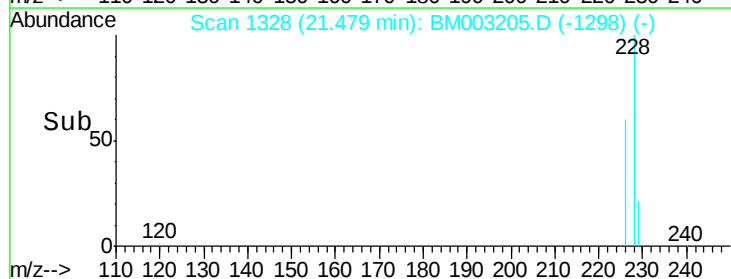
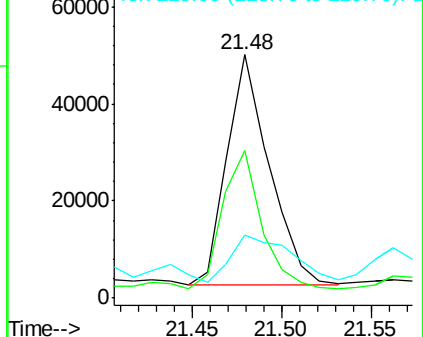
229 25.8 17.0 25.6#

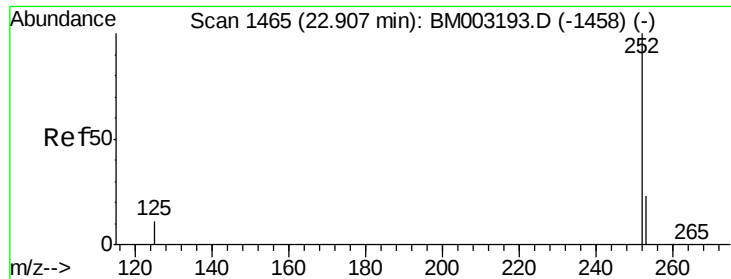


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 35.01 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BM003205.D

Acq: 20 Nov 2015 00:22

Instrument :

BNA_M

ClientSampleId :

A4J45

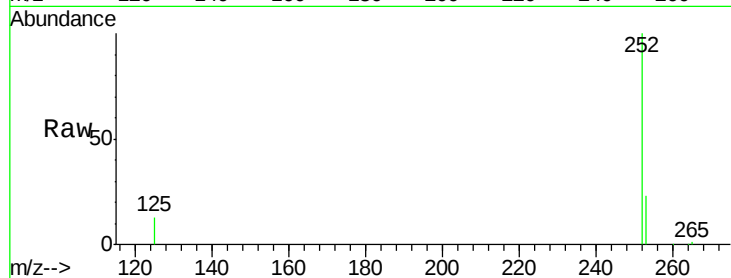
Tot Ion:252 Resp: 1445454

Ion Ratio Lower Upper

252 100

253 23.5 0.0 45.4

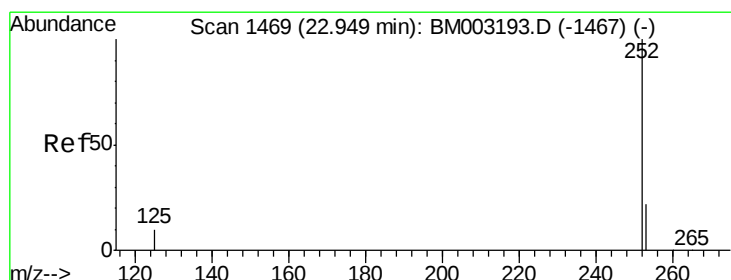
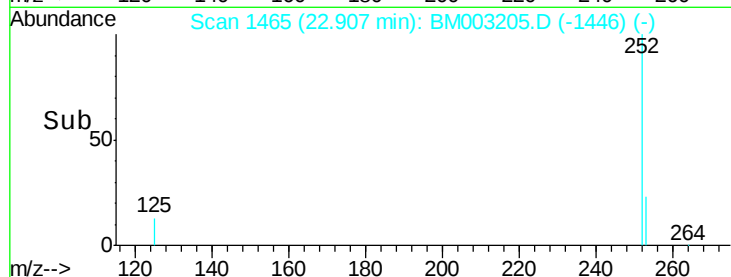
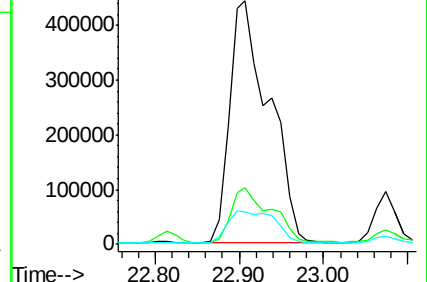
125 13.3 0.0 28.8



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: 37.01 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003205.D

Acq: 20 Nov 2015 00:22

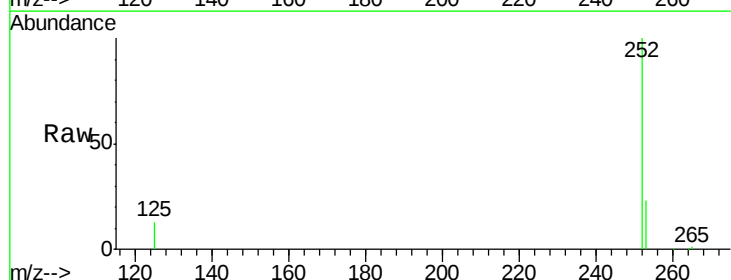
Tgt Ion:252 Resp: 1445454

Ion Ratio Lower Upper

252 100

253 23.5 19.8 29.8

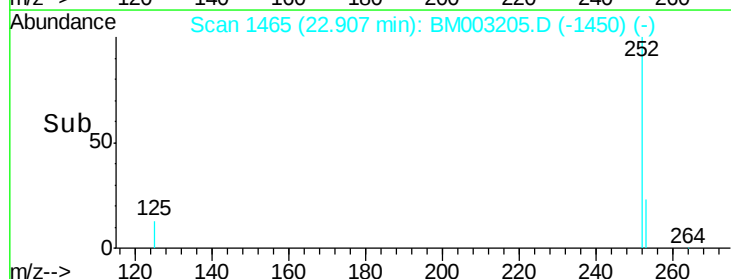
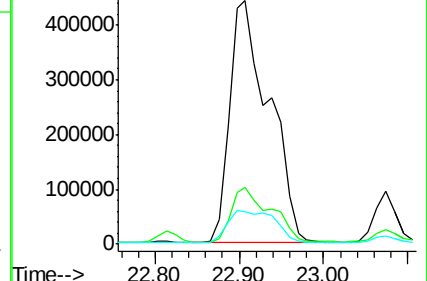
125 13.3 10.4 15.6

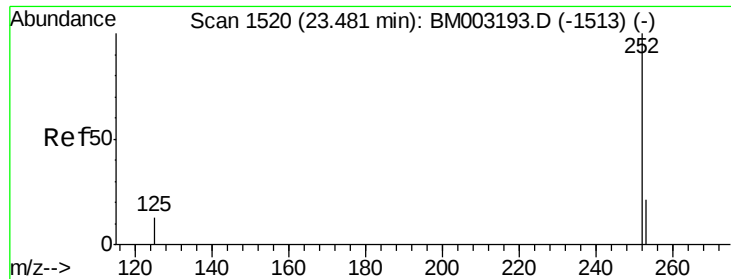


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 20.27 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BM003205.D

Acq: 20 Nov 2015 00:22

Instrument :

BNA_M

ClientSampleId :

A4J45

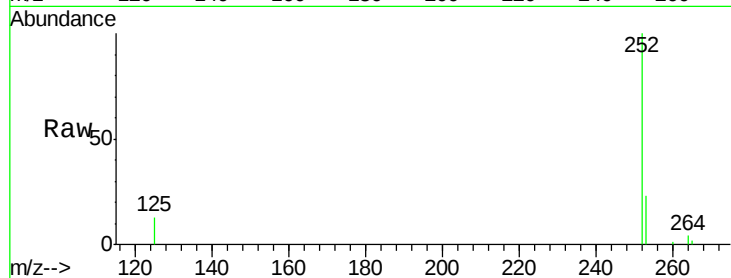
Tot Ion:252 Resp: 744485

Ion Ratio Lower Upper

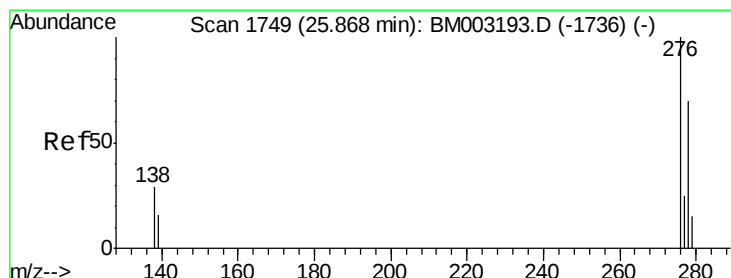
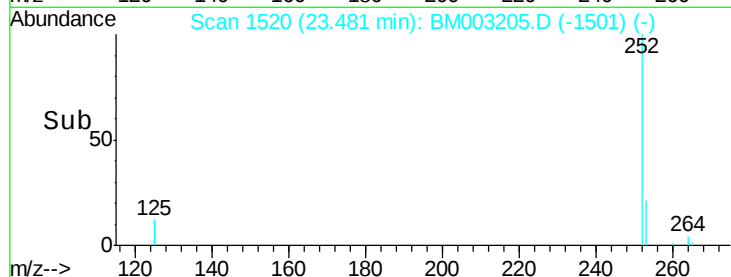
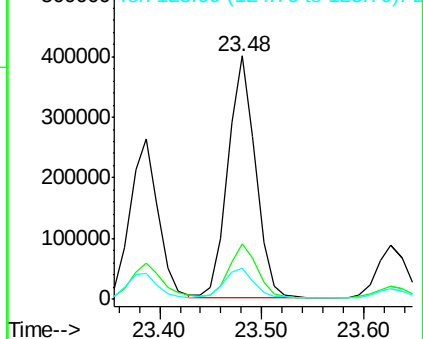
252 100

253 23.0 19.4 29.2

125 12.9 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: 11.46 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BM003205.D

Acq: 20 Nov 2015 00:22

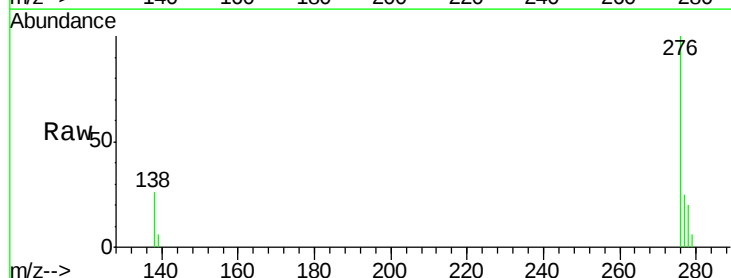
Tgt Ion:276 Resp: 501714

Ion Ratio Lower Upper

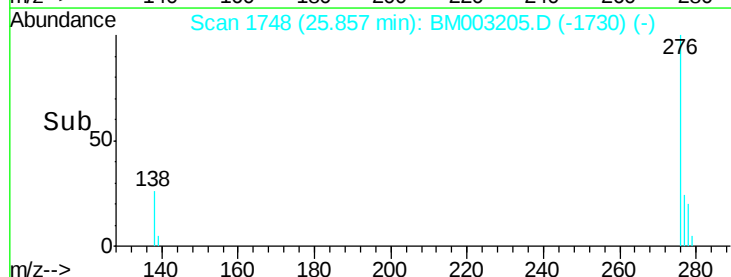
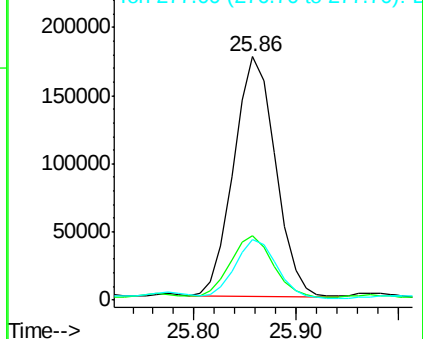
276 100

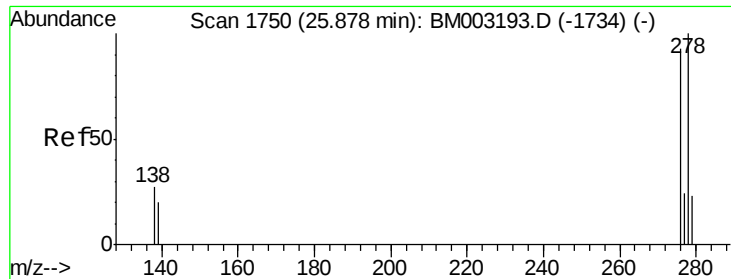
138 25.9 0.0 0.0#

277 24.4 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

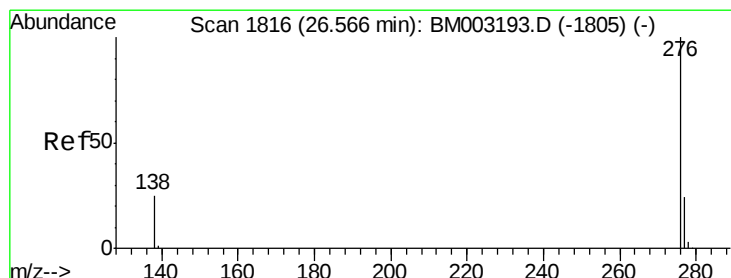
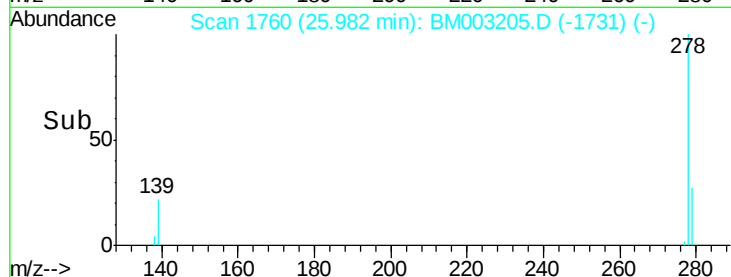
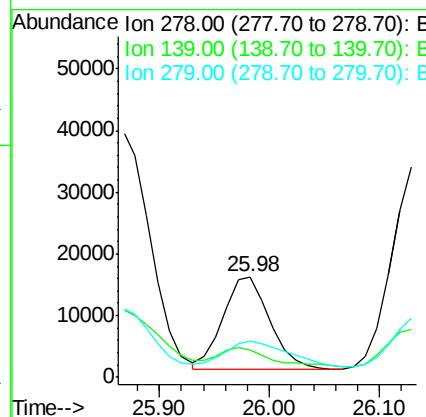
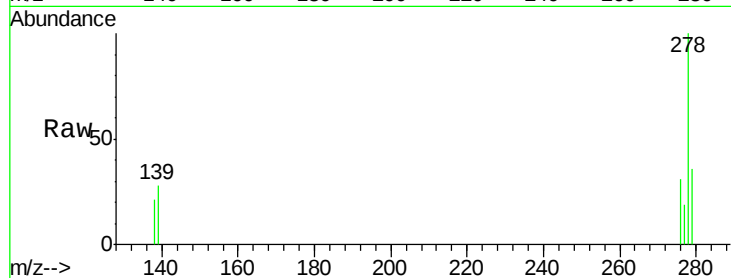




#27
Dibenzo(a,h)anthracene
Concen: 1.24 ng/ul
RT: 25.98 min Scan# 1760
Delta R.T. 0.10 min
Lab File: BM003205.D
Acq: 20 Nov 2015 00:22

Instrument :
BNA_M
ClientSampleId :
A4J45

Tot Ion:278 Resp: 43942
Ion Ratio Lower Upper
278 100
139 27.7 16.4 24.6#
279 36.1 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 10.63 ng/ul
RT: 26.56 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BM003205.D
Acq: 20 Nov 2015 00:22

Tgt Ion:276 Resp: 408715
Ion Ratio Lower Upper
276 100
277 23.9 18.9 28.3
138 27.1 22.5 33.7

