

Data Path : Z:\HPCHEM1\BNA M\Data\BM112115\
 Data File : BM003241.D
 Acq On : 21 Nov 2015 10:06
 Operator : UM/IZ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 22 01:11:58 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	14106	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	52901	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	25766	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	54787	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	53700	0.40	ng/ul	0.00
22) Perylene-d12	23.59	264	51769	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	14889	0.99	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	29306	0.41	ng/ul	0.00
16) Fluoranthene-d10	19.16	212	54855	0.41	ng/ul	0.00

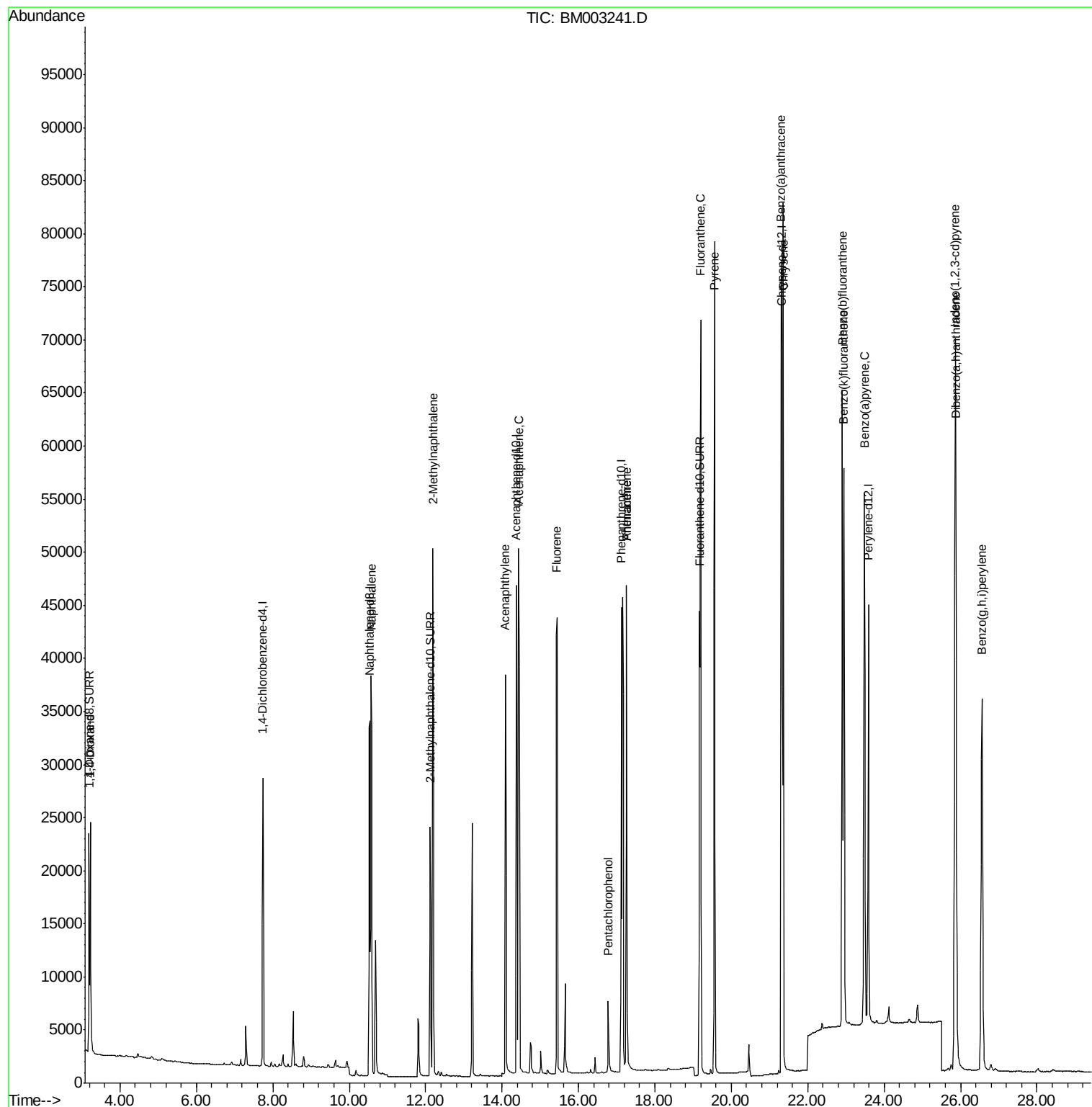
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.23	88	16888	0.98	ng/ul#	100
5) Naphthalene	10.57	128	55460	0.41	ng/ul	97
7) 2-Methylnaphthalene	12.19	142	37013	0.42	ng/ul#	100
9) Acenaphthylene	14.09	152	48495	0.45	ng/ul	98
10) Acenaphthene	14.43	153	37507	0.41	ng/ul#	77
11) Fluorene	15.44	166	40737	0.42	ng/ul	97
13) Pentachlorophenol	16.78	266	5352	0.41	ng/ul	95
14) Phenanthrene	17.26	178	55935	0.35	ng/ul	98
15) Anthracene	17.26	178	58227	0.44	ng/ul	98
17) Fluoranthene	19.20	202	72495	0.41	ng/ul	94
19) Pyrene	19.56	202	74551	0.40	ng/ul	95
20) Benzo(a)anthracene	21.31	228	69315	0.45	ng/ul#	91
21) Chrysene	21.36	228	72261	0.41	ng/ul	91
23) Benzo(b)fluoranthene	22.90	252	74772	0.38	ng/ul	100
24) Benzo(k)fluoranthene	22.94	252	72939	0.39	ng/ul	96
25) Benzo(a)pyrene	23.48	252	73063	0.42	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	25.86	276	83720	0.40	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.88	278	66444	0.39	ng/ul	99
28) Benzo(g,h,i)perylene	26.56	276	71873	0.39	ng/ul	98

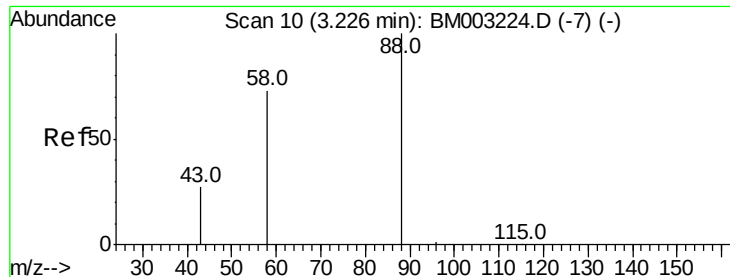
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_M
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Quant Time: Nov 22 01:11:58 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM11815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 21 04:24:04 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.98 ng/ul

RT: 3.23 min Scan# 10

Delta R.T. -0.00 min

Lab File: BM003241.D

Acq: 21 Nov 2015 10:06

Instrument :

BNA_M

ClientSampleId :

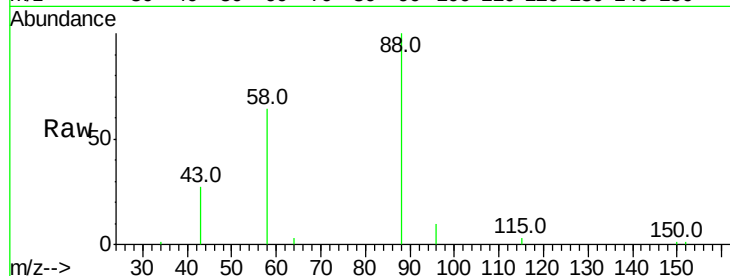
Tot Ion: 88 Resp: 16888

Ion Ratio Lower Upper

88 100

58 58.2 0.0 0.0#

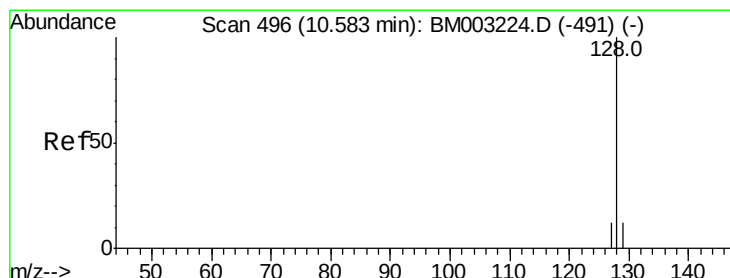
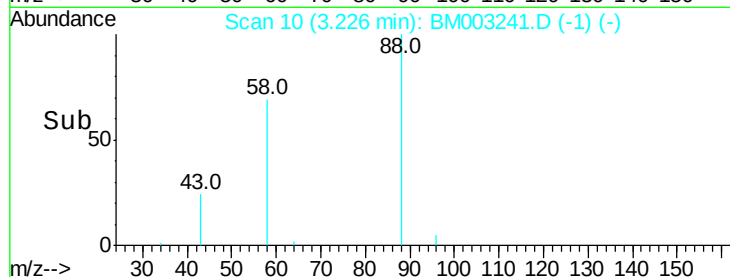
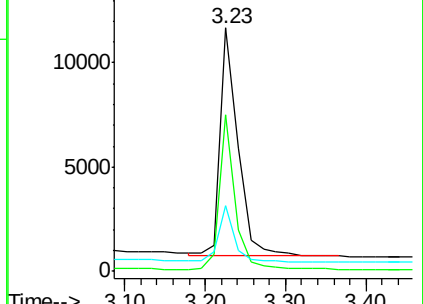
43 22.3 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003224.D (-7) (-)

Ion 58.00 (57.70 to 58.70): BM003224.D (-7) (-)

Ion 43.00 (42.70 to 43.70): BM003224.D (-7) (-)



#5

Naphthalene

Concen: 0.41 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. -0.01 min

Lab File: BM003241.D

Acq: 21 Nov 2015 10:06

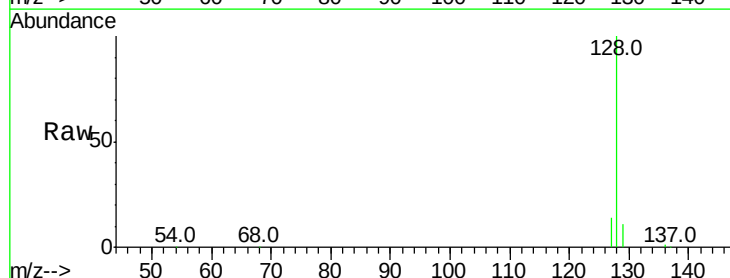
Tgt Ion: 128 Resp: 55460

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

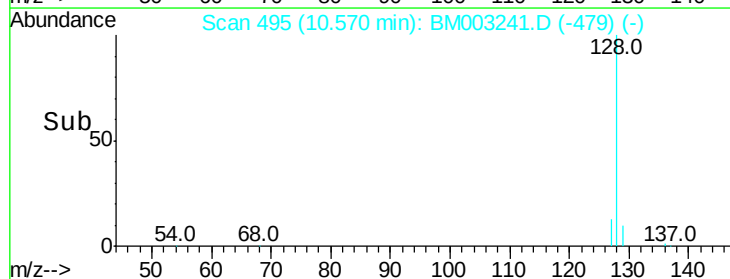
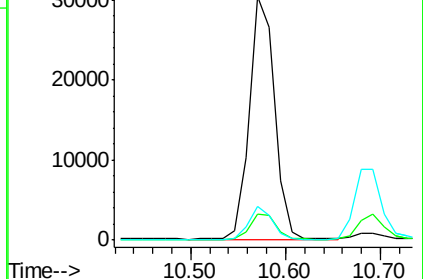
127 13.7 9.6 14.4

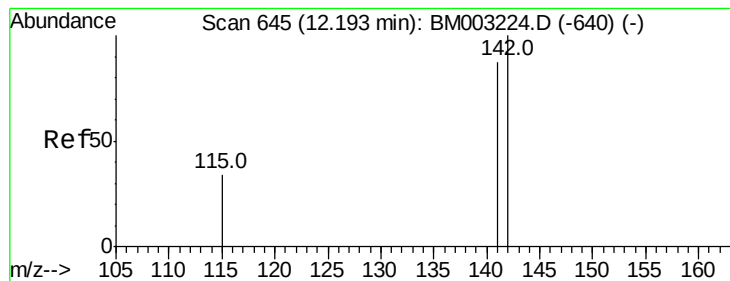


Abundance Ion 128.00 (127.70 to 128.70): BM003224.D (-491) (-)

Ion 129.00 (128.70 to 129.70): BM003224.D (-491) (-)

Ion 127.00 (126.70 to 127.70): BM003224.D (-491) (-)





#7

2-Methylnaphthalene

Concen: 0.42 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003241.D

Acq: 21 Nov 2015 10:06

Instrument :

BNA_M

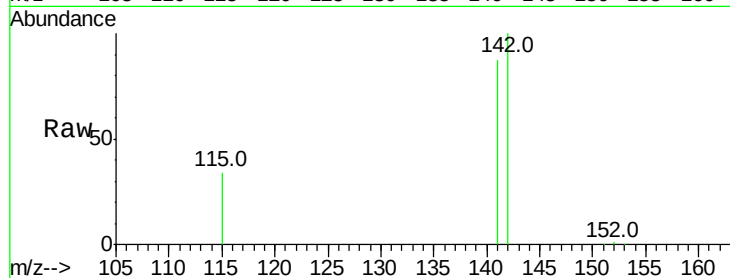
ClientSampleId :

Tot Ion:142 Resp: 37013

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

25000

20000

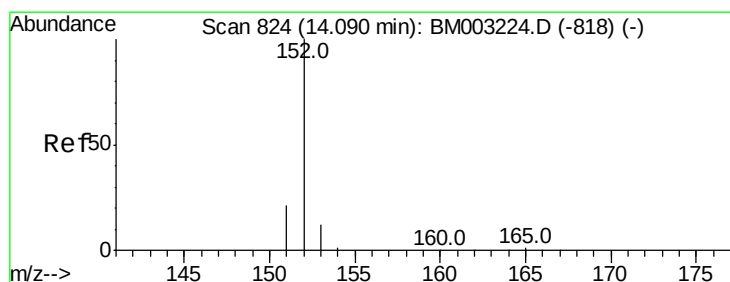
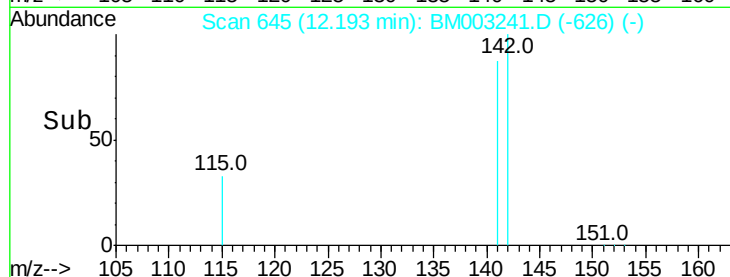
15000

10000

5000

0

Time--> 12.10 12.20 12.30 12.40



#9

Acenaphthylene

Concen: 0.45 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003241.D

Acq: 21 Nov 2015 10:06

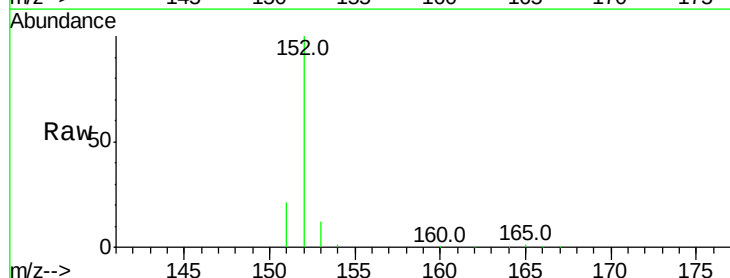
Tgt Ion:152 Resp: 48495

Ion Ratio Lower Upper

152 100

151 20.9 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

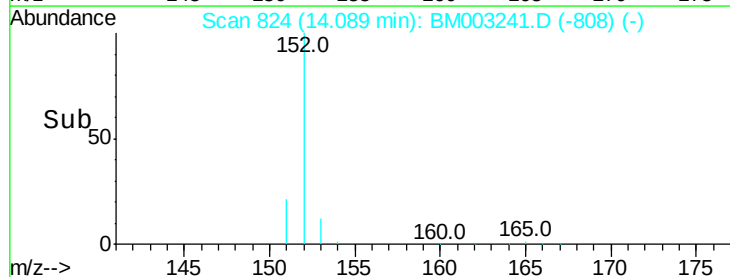
30000

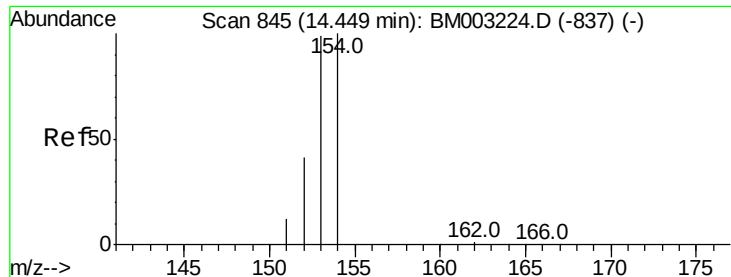
20000

10000

0

Time--> 14.00 14.20





#10

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. -0.02 min

Lab File: BM003241.D

Acq: 21 Nov 2015 10:06

Instrument :

BNA_M

ClientSampleId :

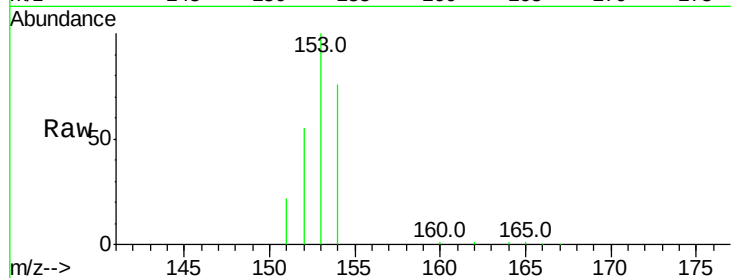
Tot Ion:153 Resp: 37507

Ion Ratio Lower Upper

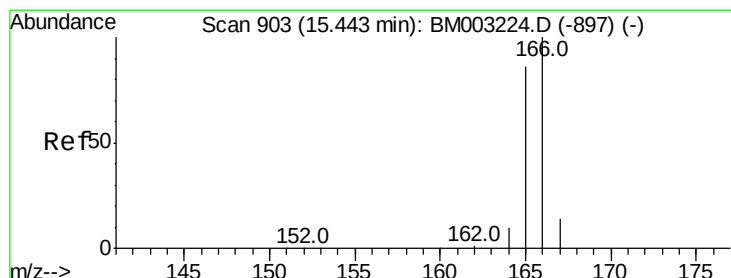
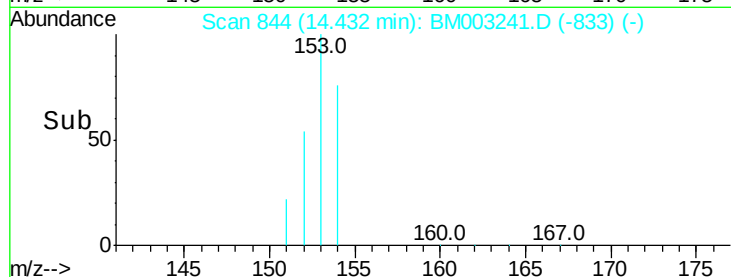
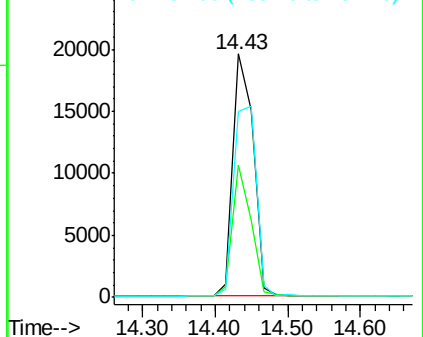
153 100

152 54.5 33.9 50.9#

154 76.2 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: 0.42 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. -0.00 min

Lab File: BM003241.D

Acq: 21 Nov 2015 10:06

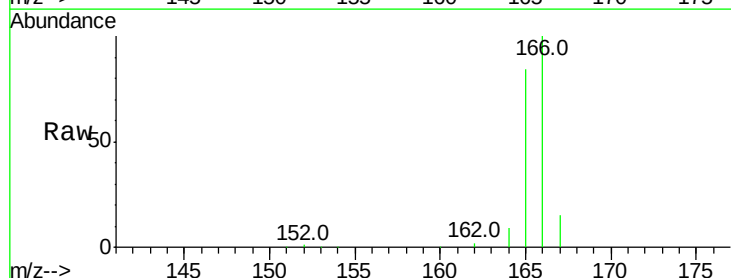
Tgt Ion:166 Resp: 40737

Ion Ratio Lower Upper

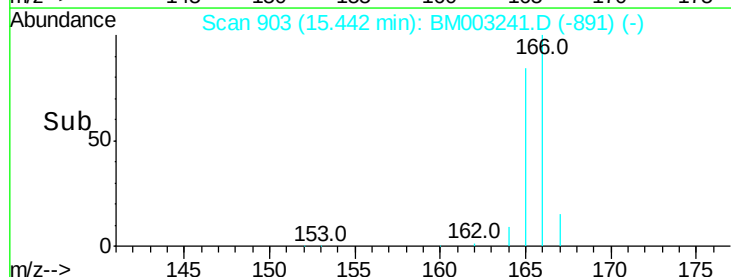
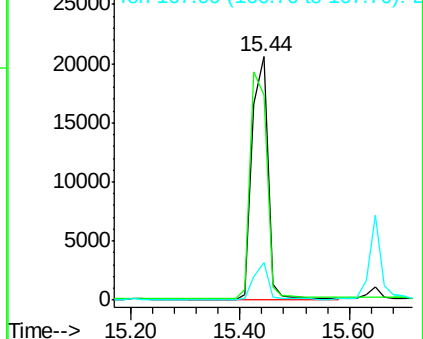
166 100

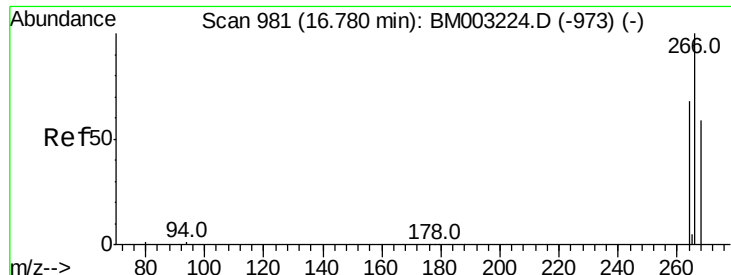
165 84.2 69.6 104.4

167 15.3 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

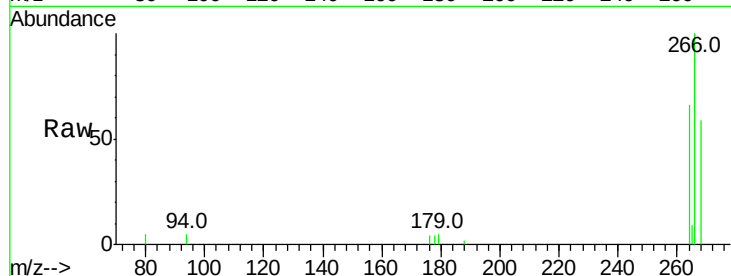




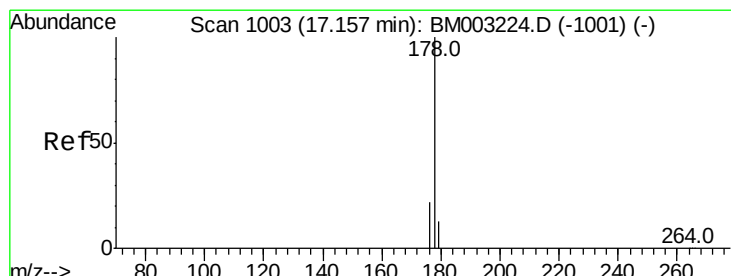
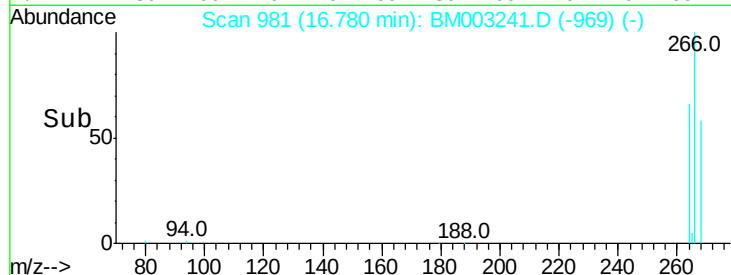
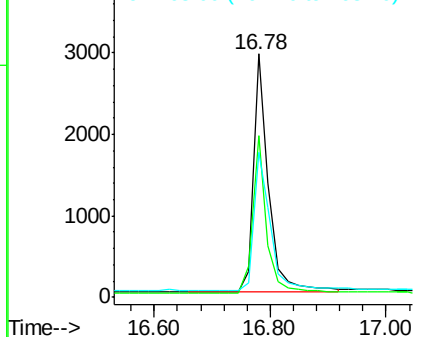
#13
 Pentachlorophenol
 Concen: 0.41 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003241.D
 Acq: 21 Nov 2015 10:06

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:266 Resp: 5352
 Ion Ratio Lower Upper
 266 100
 264 62.1 51.8 77.8
 268 63.5 46.8 70.2

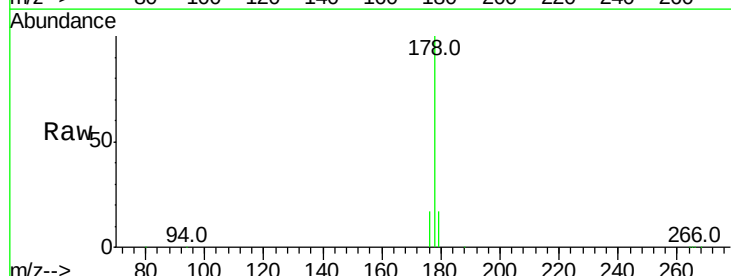


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

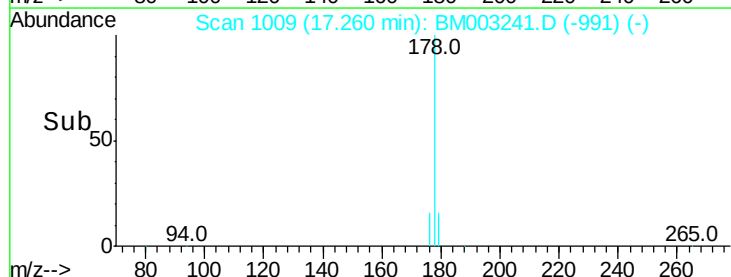
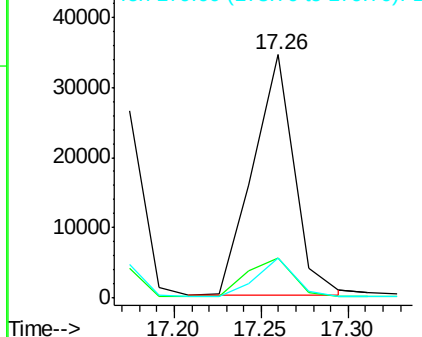


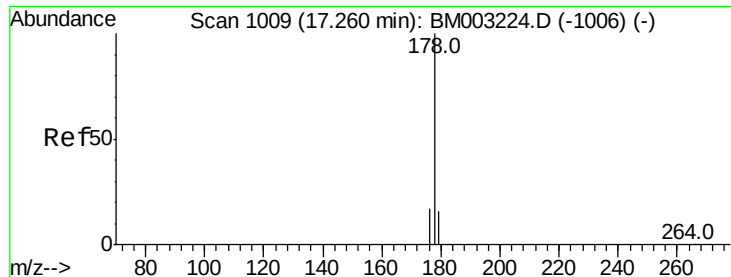
#14
 Phenanthrene
 Concen: 0.35 ng/ul
 RT: 17.26 min Scan# 1009
 Delta R.T. 0.10 min
 Lab File: BM003241.D
 Acq: 21 Nov 2015 10:06

Tgt Ion:178 Resp: 55935
 Ion Ratio Lower Upper
 178 100
 176 16.6 13.0 19.4
 179 16.6 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: 0.44 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003241.D

Acq: 21 Nov 2015 10:06

Instrument :

BNA_M

ClientSampleId :

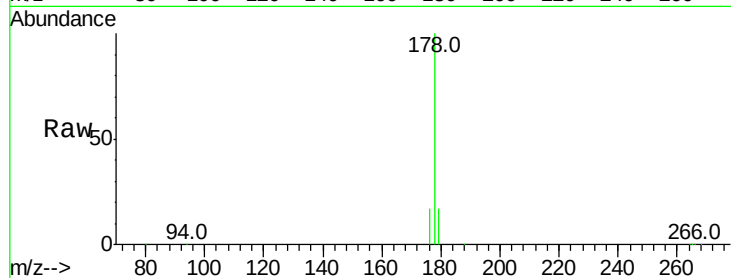
Tot Ion:178 Resp: 58227

Ion Ratio Lower Upper

178 100

176 16.6 14.0 21.0

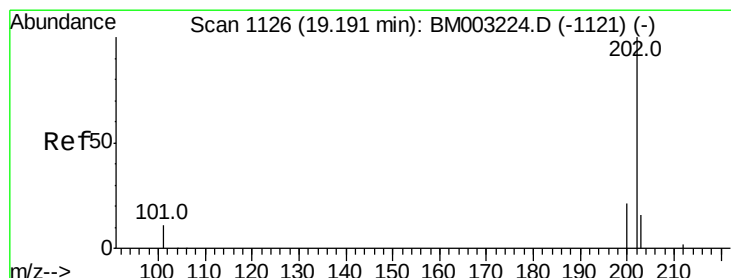
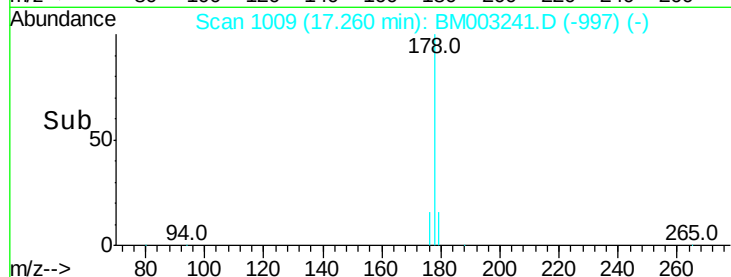
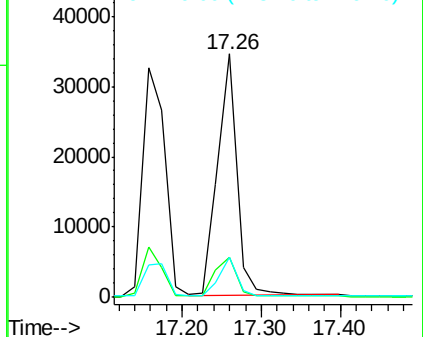
179 16.6 12.9 19.3



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: 0.41 ng/ul

RT: 19.20 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BM003241.D

Acq: 21 Nov 2015 10:06

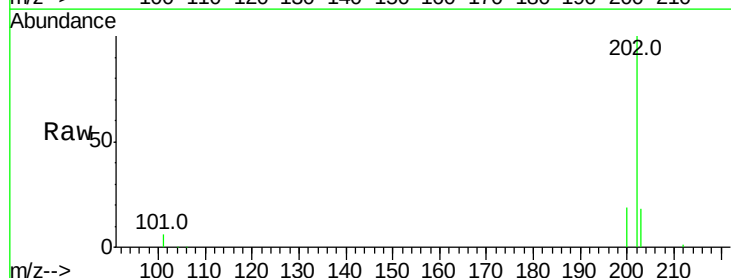
Tgt Ion:202 Resp: 72495

Ion Ratio Lower Upper

202 100

101 6.5 0.0 29.6

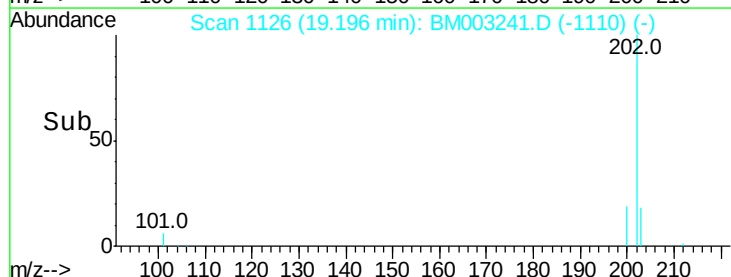
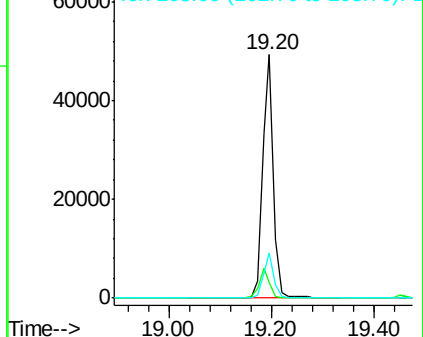
203 18.3 0.0 36.3

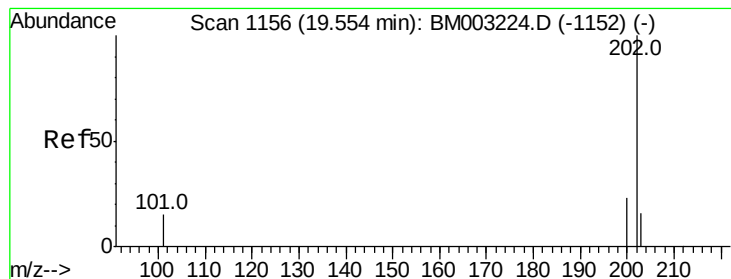


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.40 ng/ul

RT: 19.56 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BM003241.D

Acq: 21 Nov 2015 10:06

Instrument :

BNA_M

ClientSampleId :

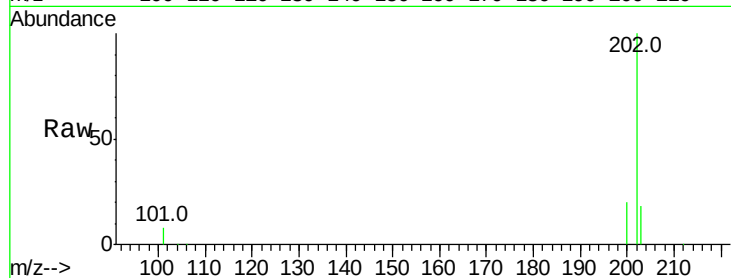
Tot Ion:202 Resp: 74551

Ion Ratio Lower Upper

202 100

200 19.7 17.8 26.8

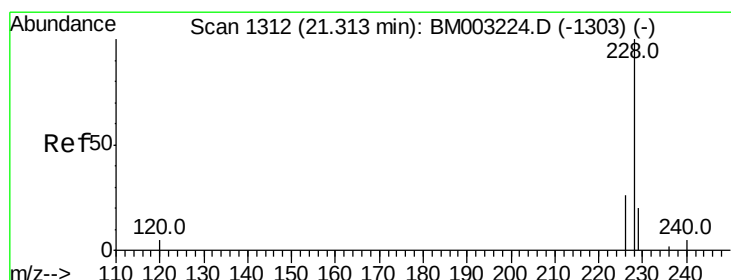
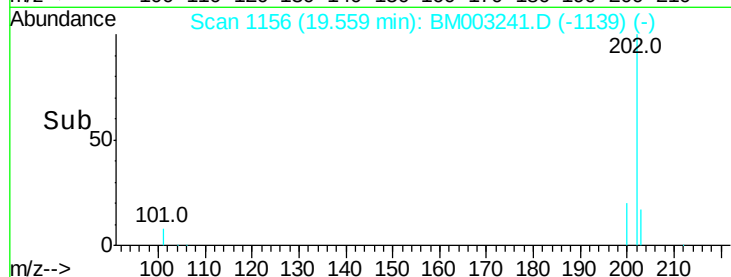
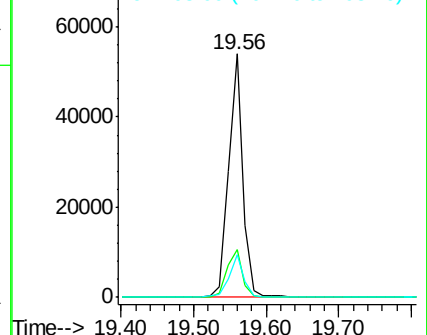
203 17.7 12.8 19.2



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: 0.45 ng/ul

RT: 21.31 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003241.D

Acq: 21 Nov 2015 10:06

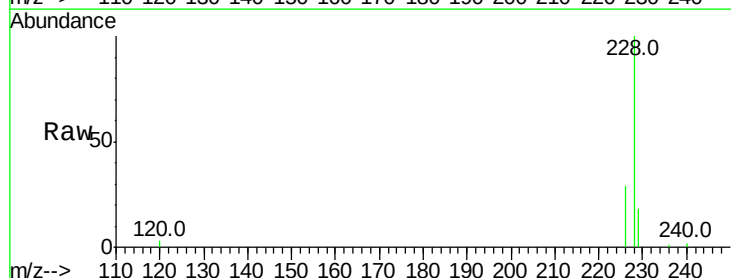
Tgt Ion:228 Resp: 69315

Ion Ratio Lower Upper

228 100

226 29.0 18.8 28.2#

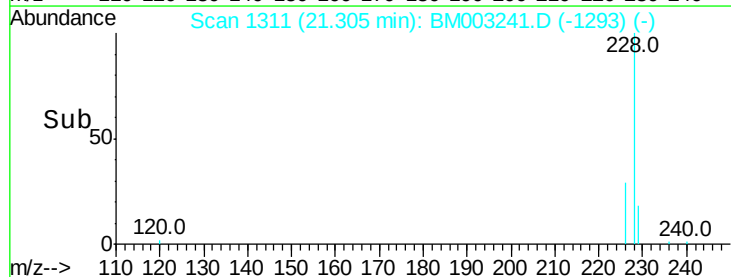
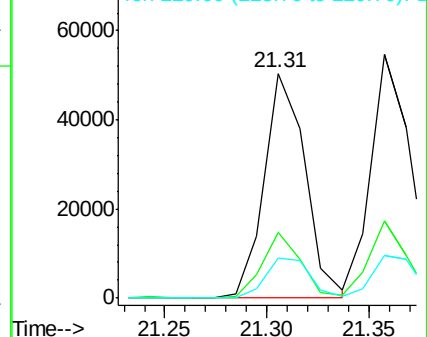
229 18.0 17.1 25.7

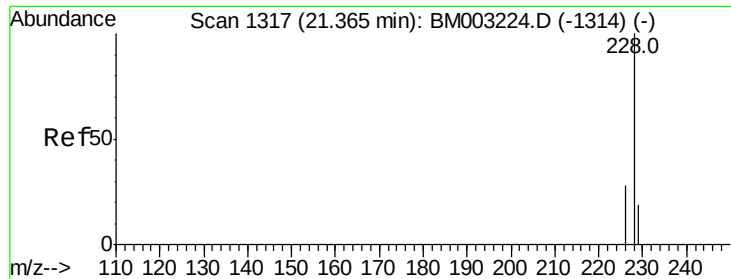


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.41 ng/ul

RT: 21.36 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BM003241.D

Acq: 21 Nov 2015 10:06

Instrument :

BNA_M

ClientSampleId :

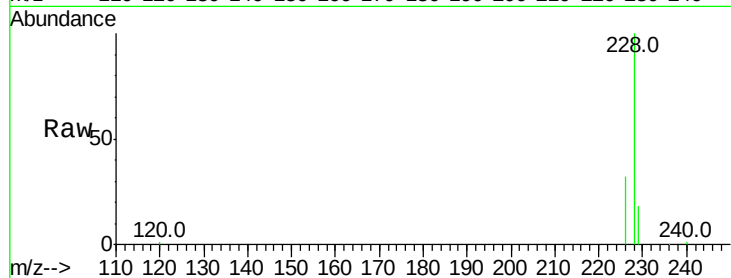
Tot Ion:228 Resp: 72261

Ion Ratio Lower Upper

228 100

226 31.7 21.2 31.8

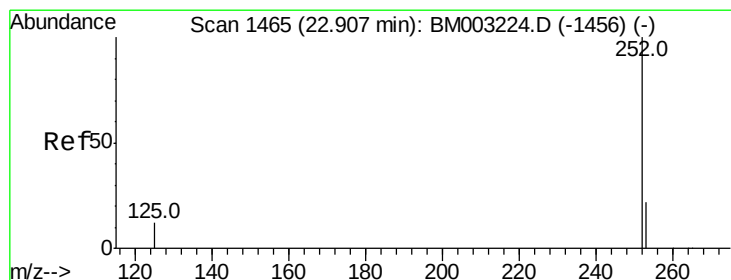
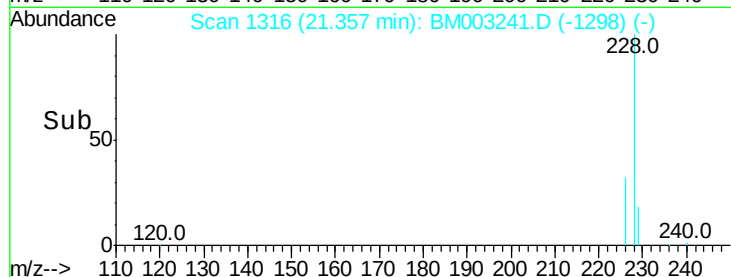
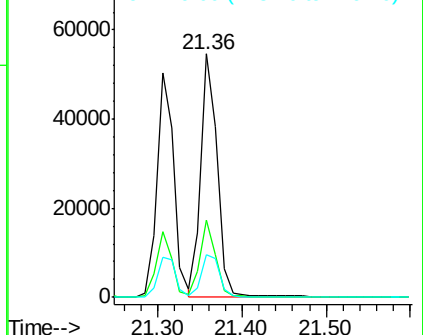
229 17.7 17.0 25.6



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: 0.38 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BM003241.D

Acq: 21 Nov 2015 10:06

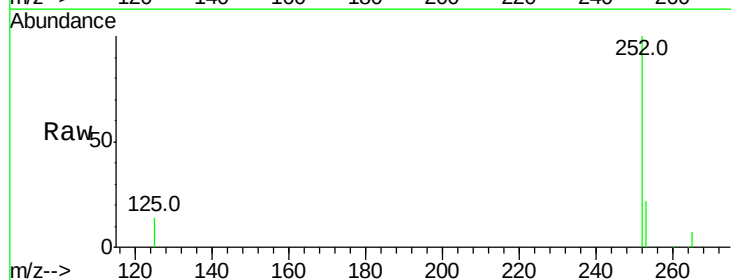
Tgt Ion:252 Resp: 74772

Ion Ratio Lower Upper

252 100

253 22.4 0.0 45.4

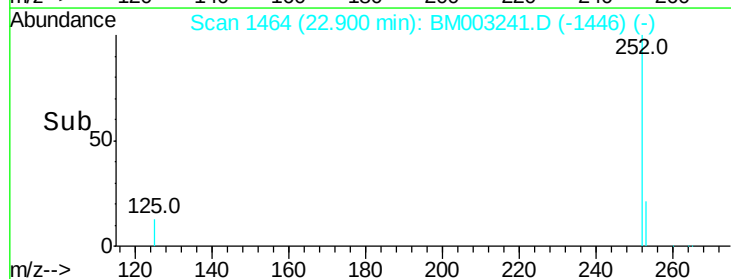
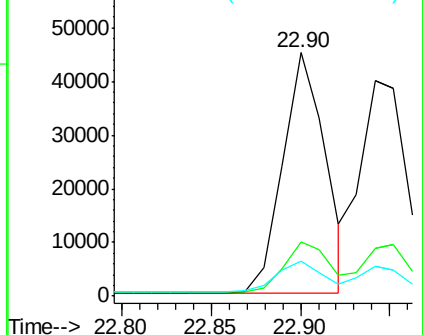
125 14.4 0.0 28.8

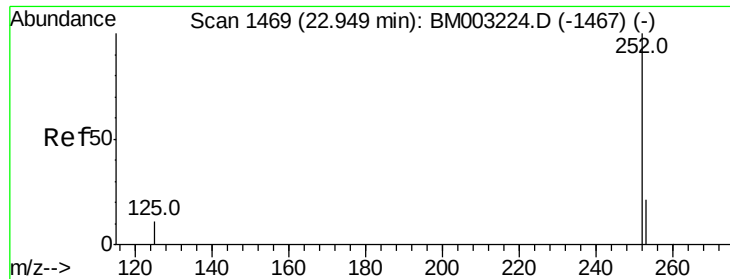


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

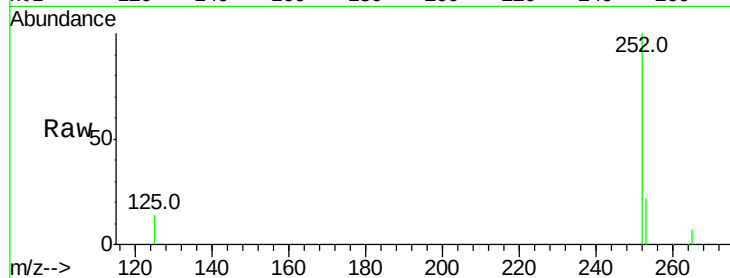




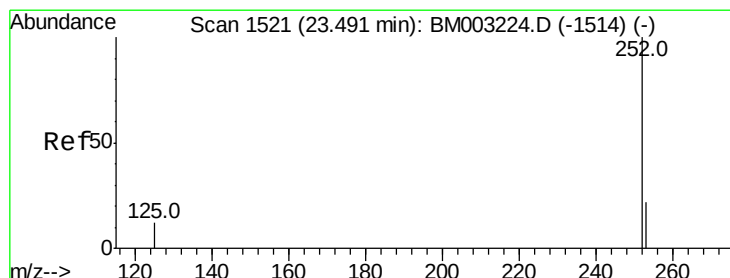
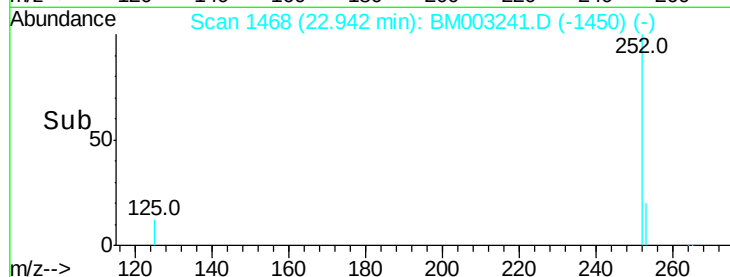
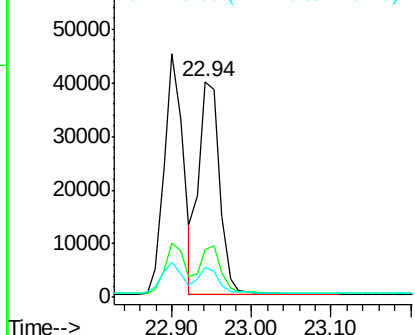
#24
Benzo(k)fluoranthene
Concen: 0.39 ng/ul
RT: 22.94 min Scan# 1468
Delta R.T. -0.01 min
Lab File: BM003241.D
Acq: 21 Nov 2015 10:06

Instrument :
BNA_M
ClientSampleId :

Tot Ion:252 Resp: 72939
Ion Ratio Lower Upper
252 100
253 22.2 19.8 29.8
125 13.9 10.4 15.6

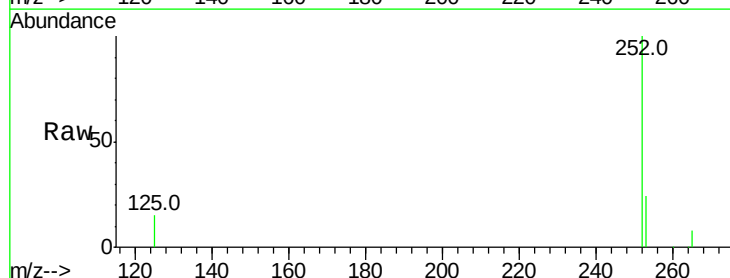


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

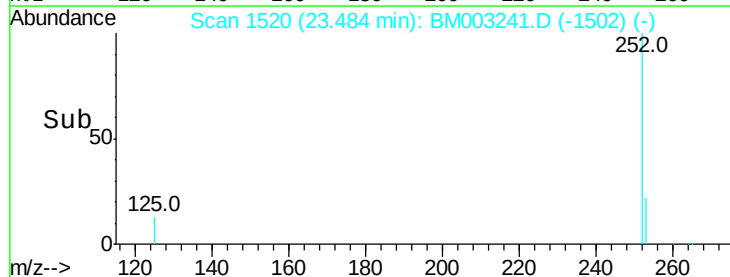
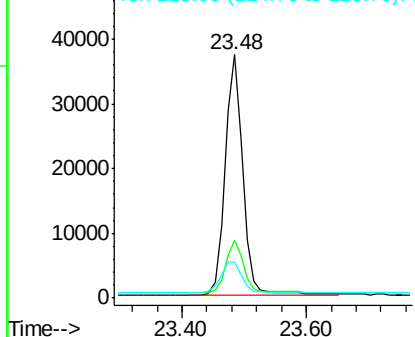


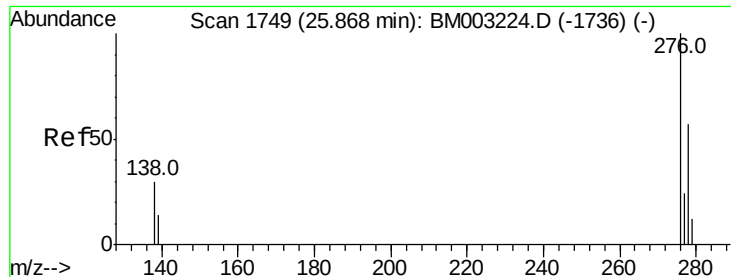
#25
Benzo(a)pyrene
Concen: 0.42 ng/ul
RT: 23.48 min Scan# 1520
Delta R.T. -0.01 min
Lab File: BM003241.D
Acq: 21 Nov 2015 10:06

Tgt Ion:252 Resp: 73063
Ion Ratio Lower Upper
252 100
253 23.8 19.4 29.2
125 15.1 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

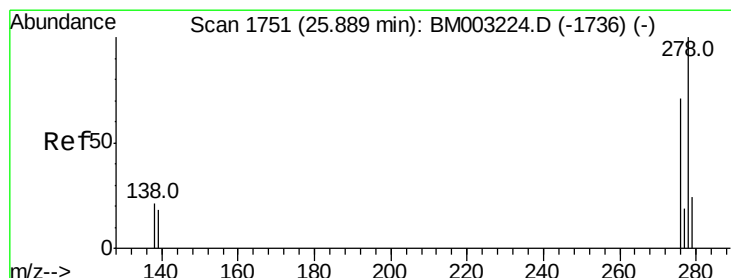
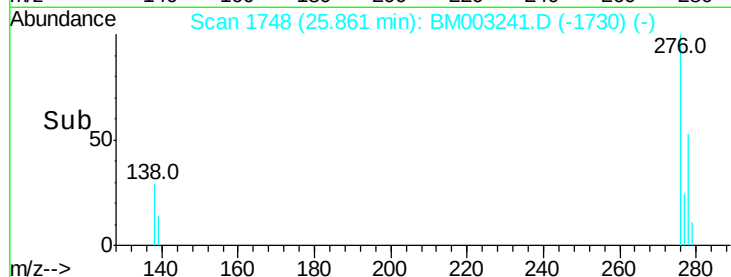
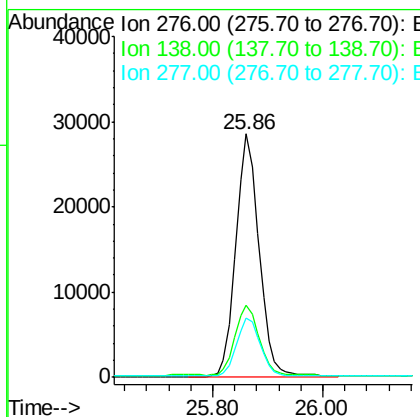
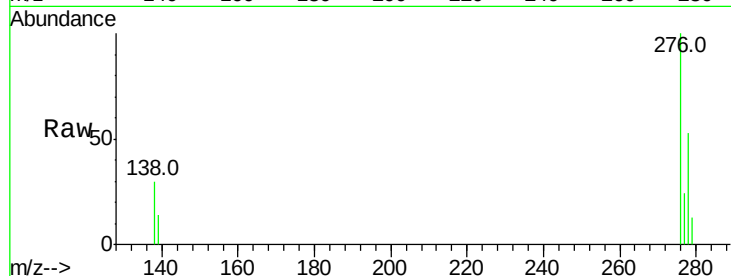




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.40 ng/ul
 RT: 25.86 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BM003241.D
 Acq: 21 Nov 2015 10:06

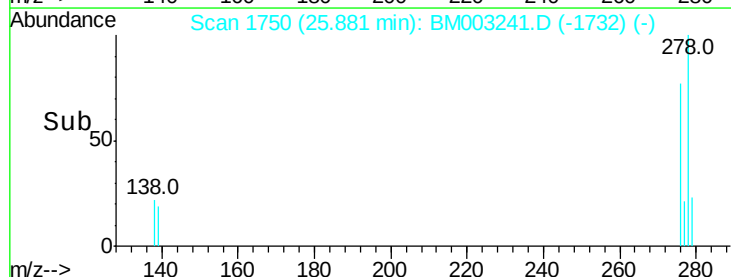
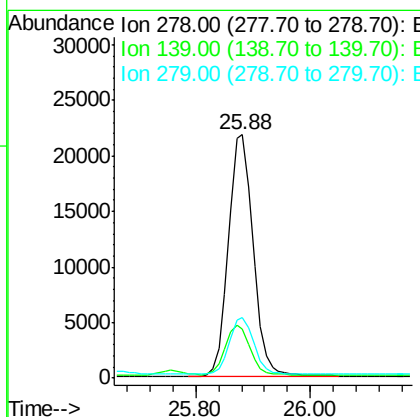
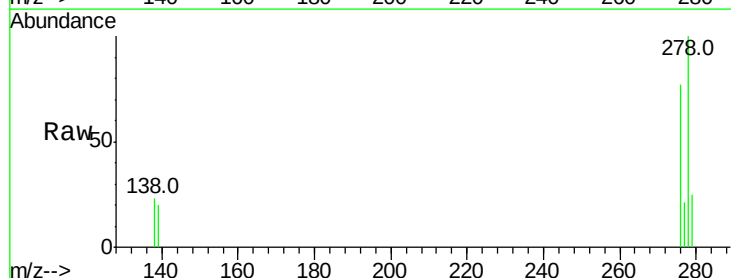
Instrument :
 BNA_M
 ClientSampleId :

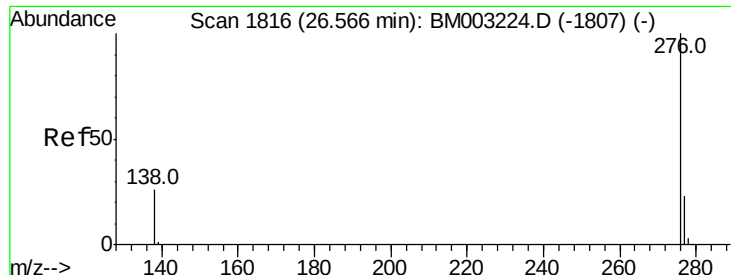
Tot Ion:276 Resp: 83720
 Ion Ratio Lower Upper
 276 100
 138 29.7 16.3 24.5#
 277 24.7 19.8 29.8



#27
 Dibenzo(a,h)anthracene
 Concen: 0.39 ng/ul
 RT: 25.88 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: BM003241.D
 Acq: 21 Nov 2015 10:06

Tgt Ion:278 Resp: 66444
 Ion Ratio Lower Upper
 278 100
 139 19.9 16.4 24.6
 279 25.1 20.2 30.2





#28

Benzo(a,h,i)perylene

Concen: 0.39 ng/ul

RT: 26.56 min Scan# 1815

Delta R.T. -0.01 min

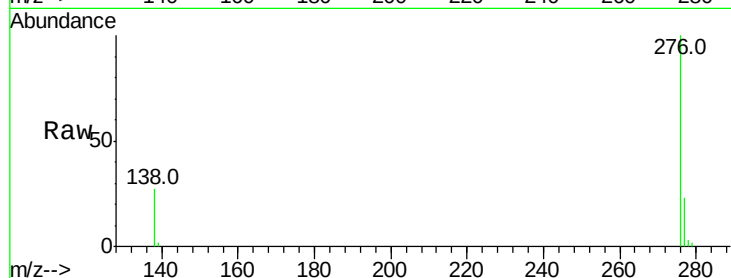
Lab File: BM003241.D

Acq: 21 Nov 2015 10:06

Instrument :

BNA_M

ClientSampleId :



Tot Ion:276 Resp: 71873

Ion Ratio Lower Upper

276 100

277 23.3 18.9 28.3

138 26.8 22.5 33.7

