

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121515\
 Data File : BM003549.D
 Acq On : 15 Dec 2015 15:23
 Operator : UM/IZ
 Sample : SSTD0.147
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 15 17:38:30 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 23 11:49:00 2015
 Response via : Initial Calibration

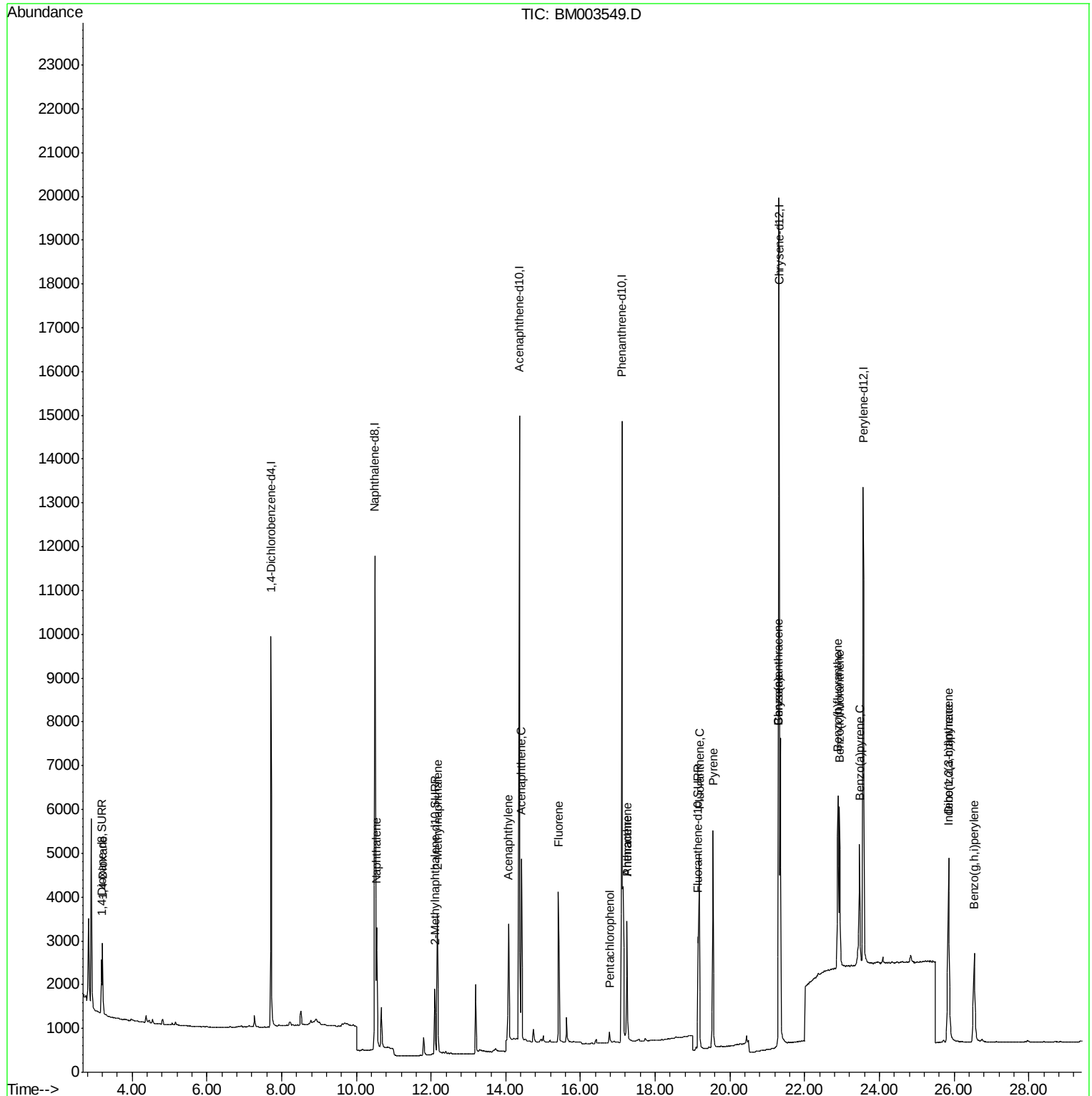
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	5010	0.40	ng/ul	-0.03
4) Naphthalene-d8	10.50	136	17999	0.40	ng/ul	-0.03
8) Acenaphthene-d10	14.37	164	8752	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.11	188	18005	0.40	ng/ul	-0.02
18) Chrysene-d12	21.31	240	18365	0.40	ng/ul	0.00
22) Perylene-d12	23.57	264	15162	0.40	ng/ul	-0.02
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.18	96	1046	0.20	ng/uL	-0.01
6) 2-Methylnaphthalene-d10	12.10	152	2145	0.09	ng/ul	-0.02
16) Fluoranthene-d10	19.14	212	3711	0.08	ng/ul	-0.02
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.21	88	1473	0.24	ng/ul#	100
5) Naphthalene	10.55	128	3989	0.09	ng/ul#	92
7) 2-Methylnaphthalene	12.17	142	2604	0.09	ng/ul	100
9) Acenaphthylene	14.07	152	3183	0.09	ng/ul#	96
10) Acenaphthene	14.42	153	2566	0.08	ng/ul#	83
11) Fluorene	15.41	166	2812	0.08	ng/ul#	78
13) Pentachlorophenol	16.78	266	305	0.07	ng/ul	94
14) Phenanthrene	17.24	178	3526	0.07	ng/ul	95
15) Anthracene	17.24	178	3756	0.09	ng/ul#	94
17) Fluoranthene	19.18	202	4657	0.08	ng/ul	94
19) Pyrene	19.54	202	4840	0.08	ng/ul#	95
20) Benzo(a)anthracene	21.29	228	4754	0.09	ng/ul#	94
21) Chrysene	21.29	228	4743	0.08	ng/ul	97
23) Benzo(b)fluoranthene	22.89	252	5436	0.09	ng/ul	79
24) Benzo(k)fluoranthene	22.93	252	4901	0.09	ng/ul#	80
25) Benzo(a)pyrene	23.46	252	4273	0.08	ng/ul#	70
26) Indeno(1,2,3-cd)pyrene	25.84	276	5212	0.09	ng/ul#	90
27) Dibenzo(a,h)anthracene	25.85	278	4152	0.08	ng/ul#	80
28) Benzo(g,h,i)perylene	26.54	276	4587	0.09	ng/ul#	91

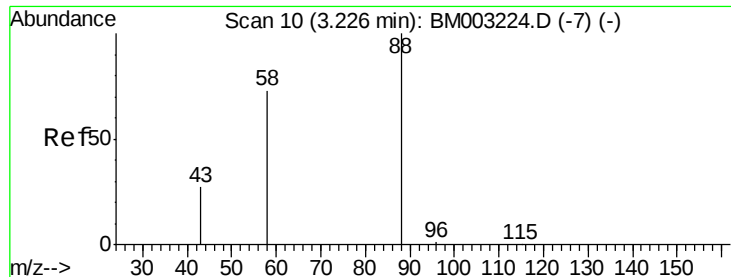
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121515\  
Data File : BM003549.D  
Acq On    : 15 Dec 2015  15:23  
Operator  : UM/IZ  
Sample    : SSTD0.147  
Misc      :  
ALS Vial  : 2      Sample Multiplier: 1
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Instrument :
BNA_M
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Quant Time: Dec 15 17:38:30 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 23 11:49:00 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.24 ng/ul

RT: 3.21 min Scan# 35

Delta R.T. -0.01 min

Lab File: BM003549.D

Acq: 15 Dec 2015 15:23

Instrument :

BNA_M

ClientSampleId :

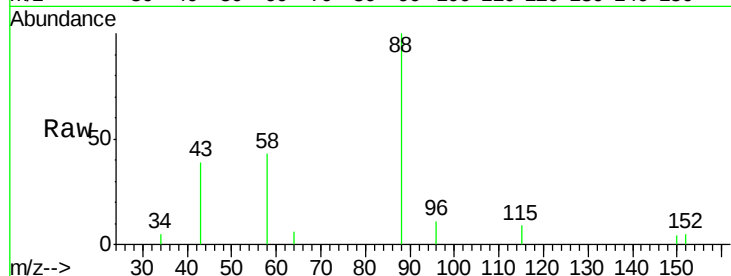
Tot Ion: 88 Resp: 1473

Ion Ratio Lower Upper

88 100

58 51.9 0.0 0.0#

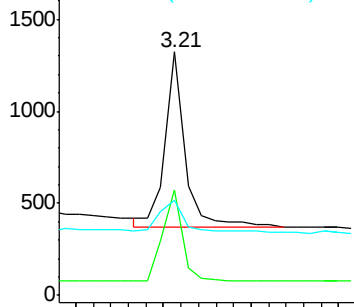
43 23.4 0.0 0.0#



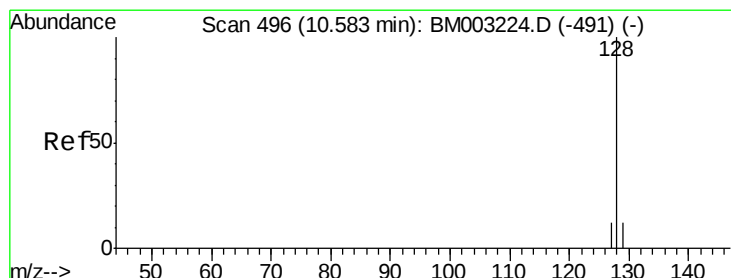
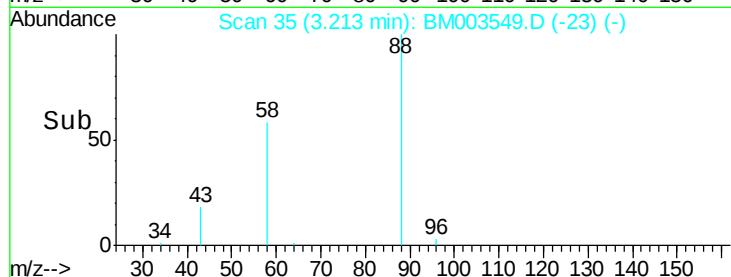
Abundance Ion 88.00 (87.70 to 88.70): BM003224.D (-7) (-)

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

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



Time-->



#5

Naphthalene

Concen: 0.09 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.02 min

Lab File: BM003549.D

Acq: 15 Dec 2015 15:23

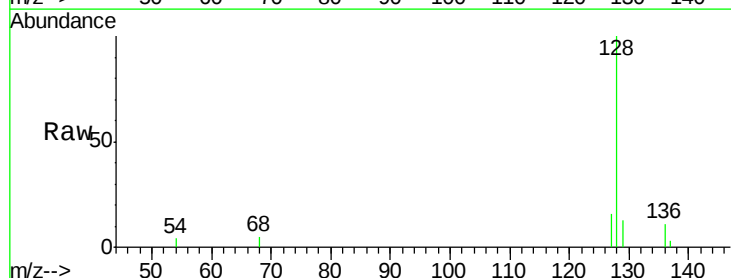
Tgt Ion: 128 Resp: 3989

Ion Ratio Lower Upper

128 100

129 13.3 9.0 13.6

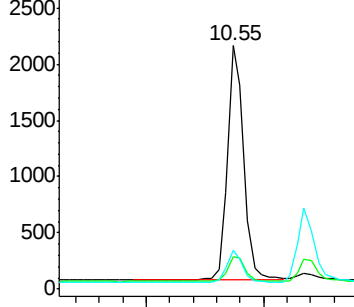
127 15.9 9.6 14.4#



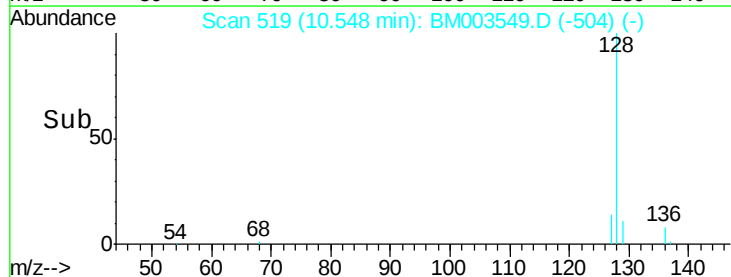
Abundance Ion 128.00 (127.70 to 128.70): BM003224.D (-491) (-)

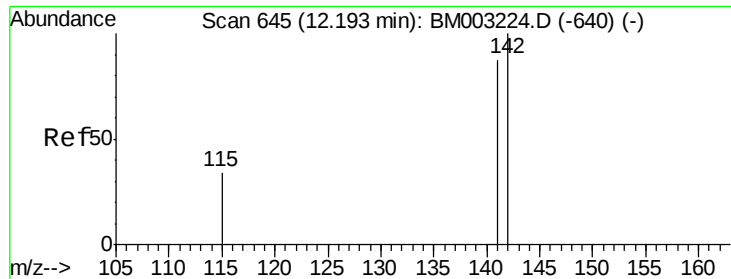
Ion 129.00 (128.70 to 129.70): BM003224.D (-491) (-)

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



Time-->





#7

2-Methylnaphthalene

Concen: 0.09 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. -0.02 min

Lab File: BM003549.D

Acq: 15 Dec 2015 15:23

Instrument :

BNA_M

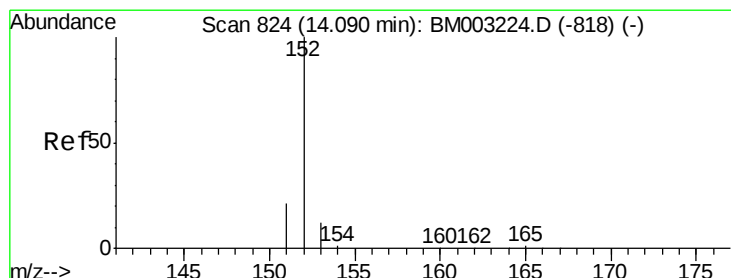
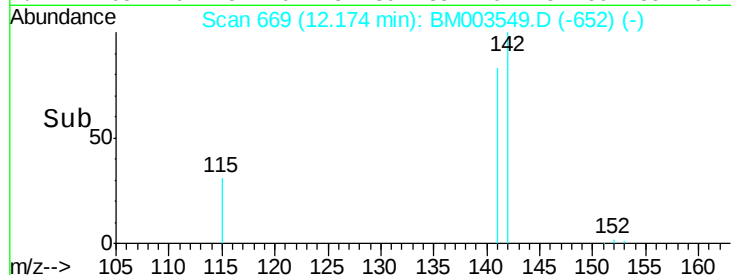
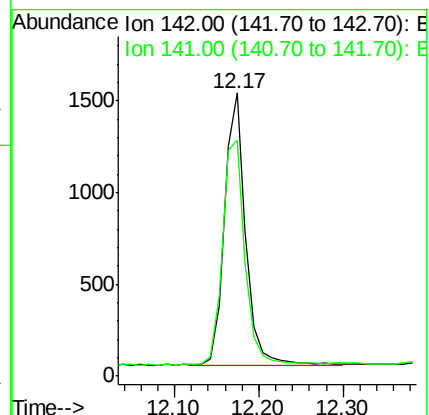
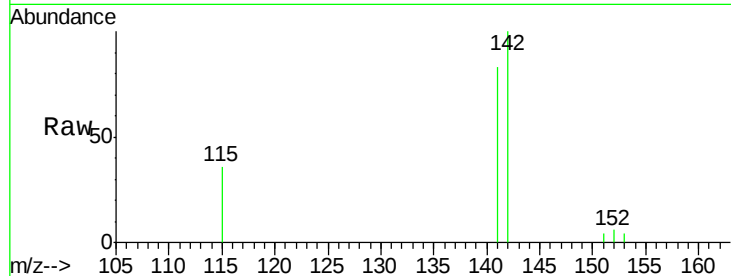
ClientSampleId :

Tot Ion:142 Resp: 2604

Ion Ratio Lower Upper

142 100

141 87.9 70.3 105.5



#9

Acenaphthylene

Concen: 0.09 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.02 min

Lab File: BM003549.D

Acq: 15 Dec 2015 15:23

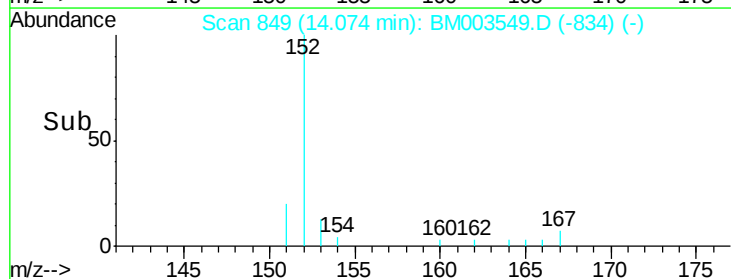
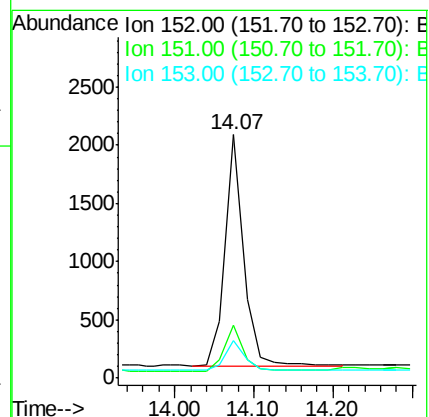
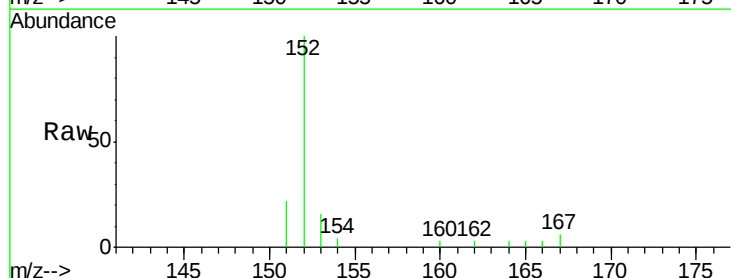
Tgt Ion:152 Resp: 3183

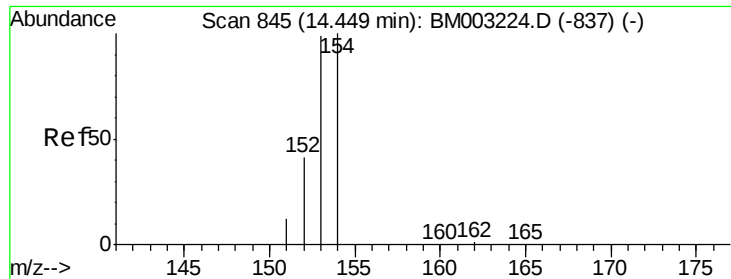
Ion Ratio Lower Upper

152 100

151 21.7 17.6 26.4

153 15.5 9.7 14.5#





#10

Acenaphthene

Concen: 0.08 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.02 min

Lab File: BM003549.D

Acq: 15 Dec 2015 15:23

Instrument :

BNA_M

ClientSampleId :

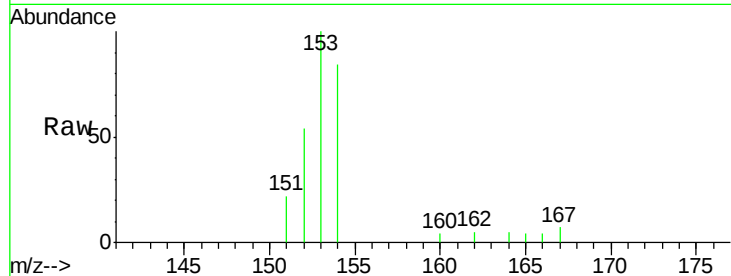
Tot Ion:153 Resp: 2566

Ion Ratio Lower Upper

153 100

152 54.0 33.9 50.9#

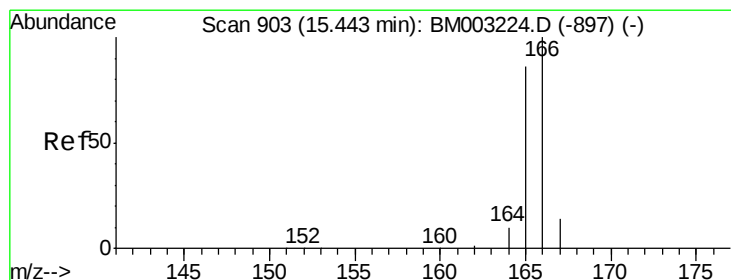
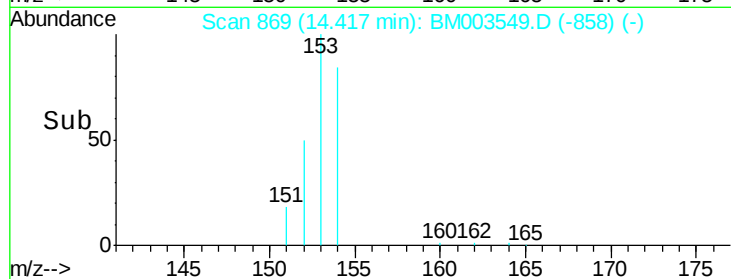
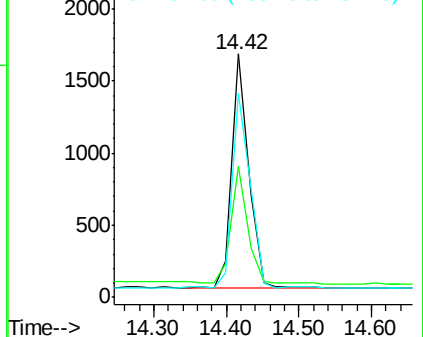
154 83.8 80.6 121.0



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: 0.08 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.03 min

Lab File: BM003549.D

Acq: 15 Dec 2015 15:23

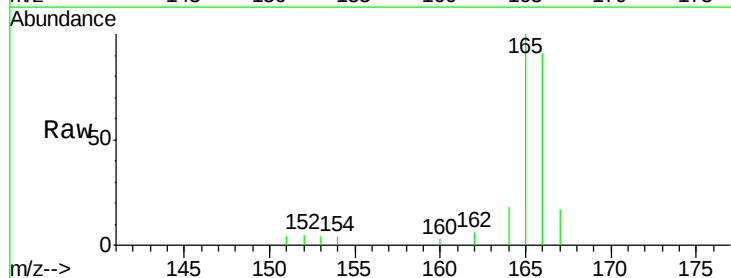
Tgt Ion:166 Resp: 2812

Ion Ratio Lower Upper

166 100

165 109.4 69.6 104.4#

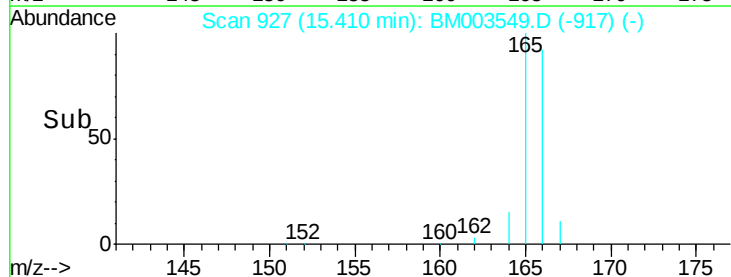
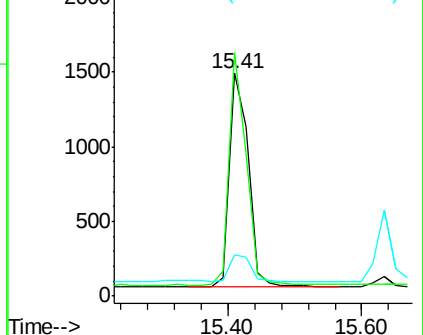
167 18.5 11.9 17.9#

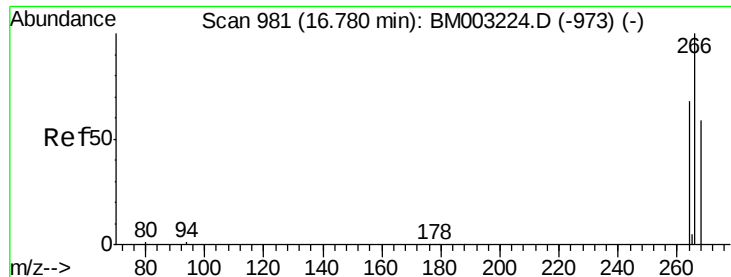


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

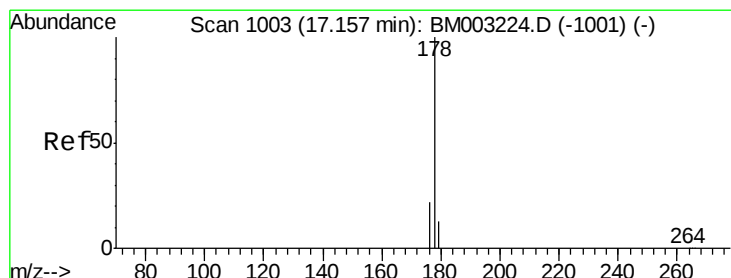
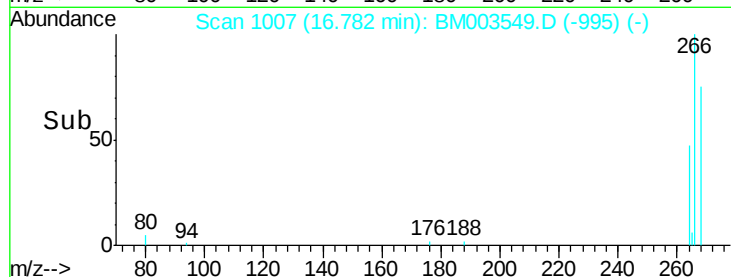
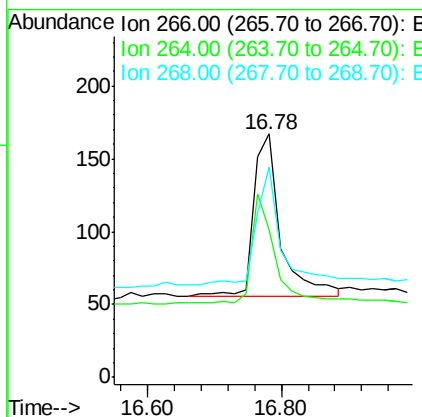
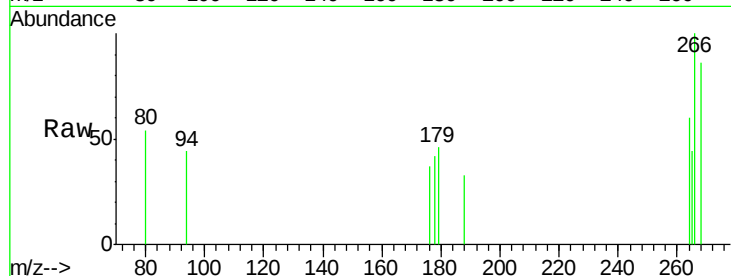




#13
 Pentachlorophenol
 Concen: 0.07 ng/ul
 RT: 16.78 min Scan# 1007
 Delta R.T. 0.00 min
 Lab File: BM003549.D
 Acq: 15 Dec 2015 15:23

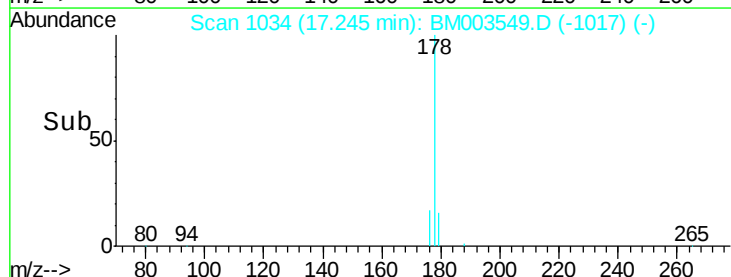
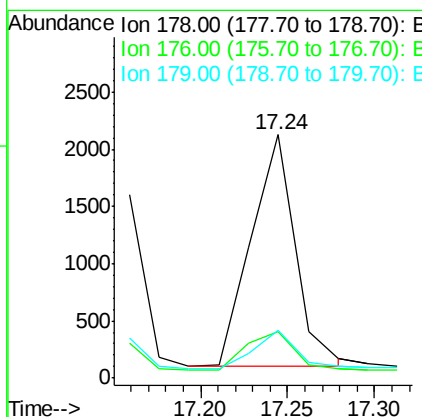
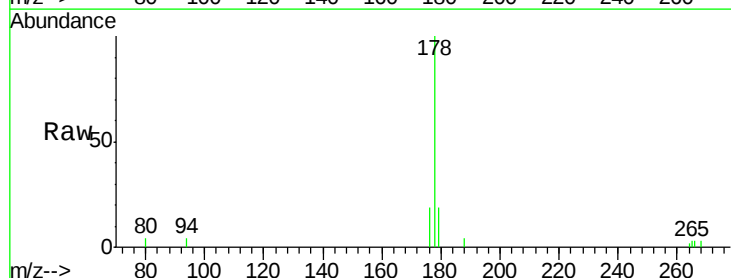
Instrument :
 BNA_M
 ClientSampleId :

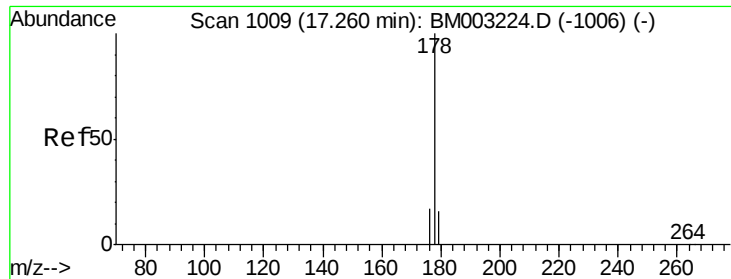
Tot Ion:266 Resp: 305
 Ion Ratio Lower Upper
 266 100
 264 62.6 51.8 77.8
 268 65.2 46.8 70.2



#14
 Phenanthrene
 Concen: 0.07 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.09 min
 Lab File: BM003549.D
 Acq: 15 Dec 2015 15:23

Tgt Ion:178 Resp: 3526
 Ion Ratio Lower Upper
 178 100
 176 19.2 13.0 19.4
 179 19.5 14.2 21.2





#15

Anthracene

Concen: 0.09 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BM003549.D

Acq: 15 Dec 2015 15:23

Instrument :

BNA_M

ClientSampleId :

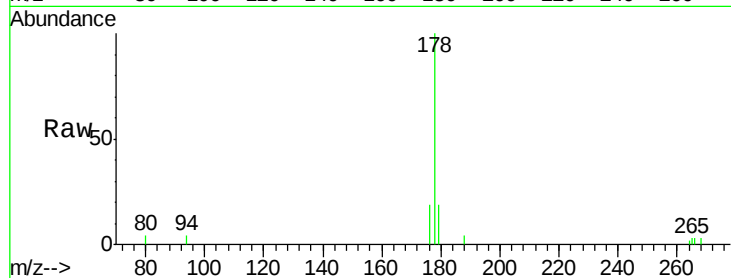
Tot Ion:178 Resp: 3756

Ion Ratio Lower Upper

178 100

176 19.2 14.0 21.0

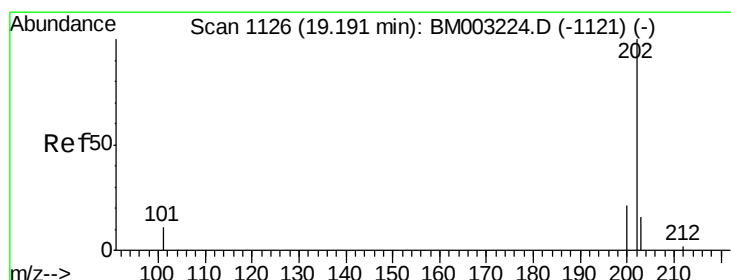
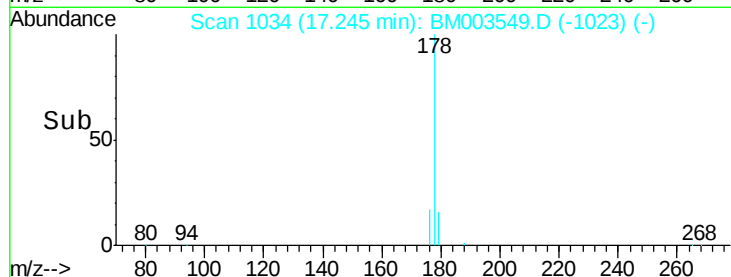
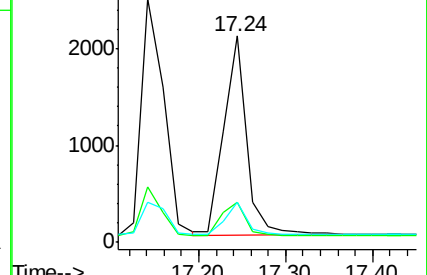
179 19.5 12.9 19.3#



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: 0.08 ng/ul

RT: 19.18 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BM003549.D

Acq: 15 Dec 2015 15:23

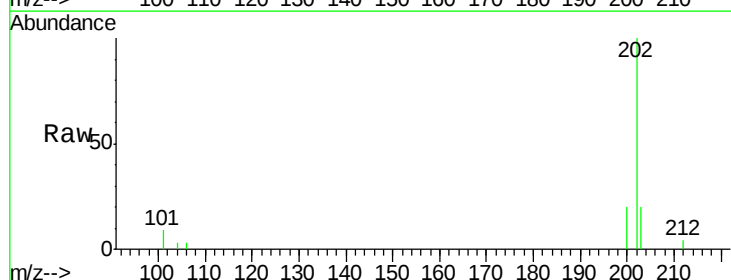
Tgt Ion:202 Resp: 4657

Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.6

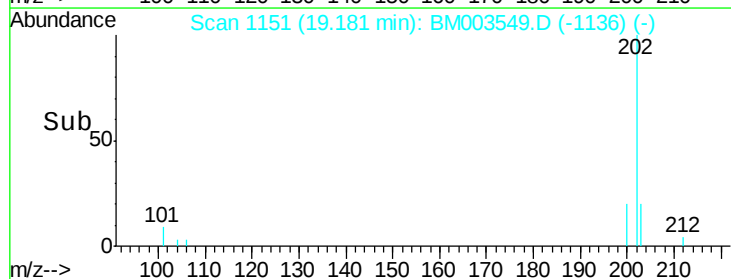
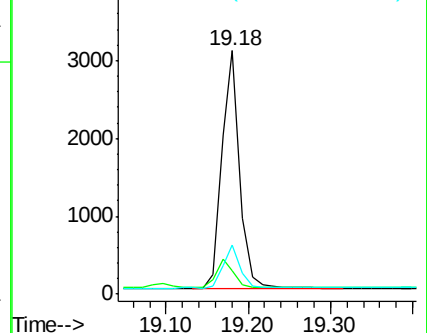
203 20.0 0.0 36.3

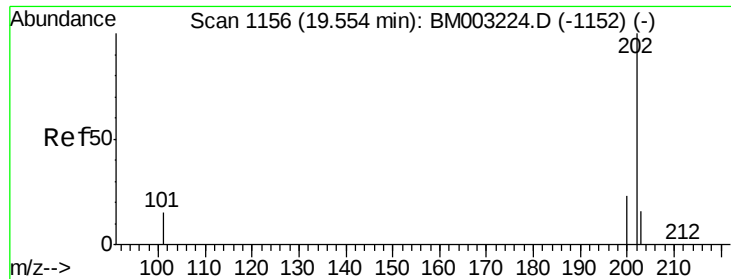


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.08 ng/uL

RT: 19.54 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BM003549.D

Acq: 15 Dec 2015 15:23

Instrument :

BNA_M

ClientSampleId :

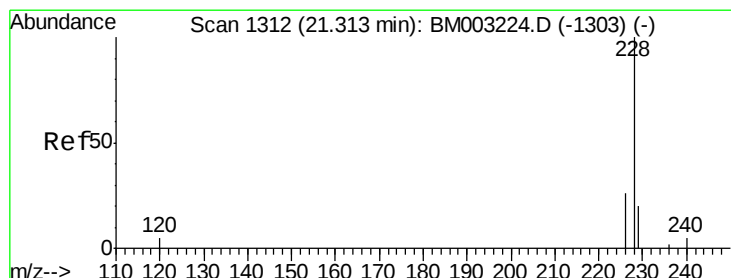
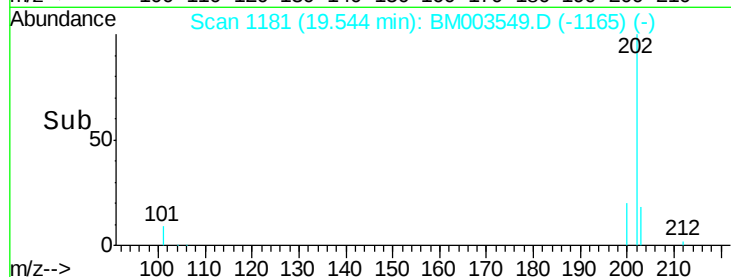
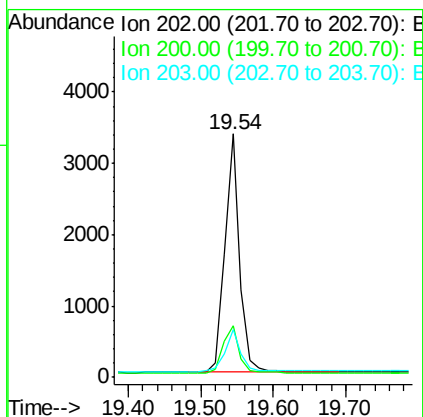
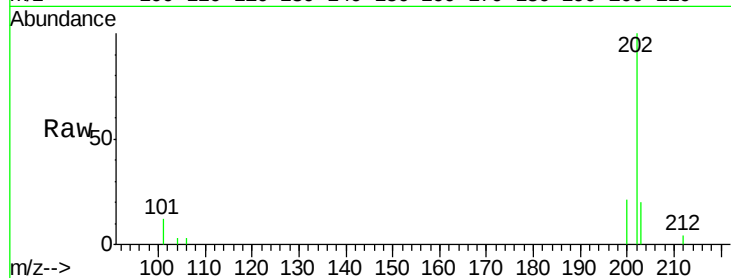
Tot Ion:202 Resp: 4840

Ion Ratio Lower Upper

202 100

200 21.4 17.8 26.8

203 19.6 12.8 19.2#



#20

Benzo(a)anthracene

Concen: 0.09 ng/uL

RT: 21.29 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BM003549.D

Acq: 15 Dec 2015 15:23

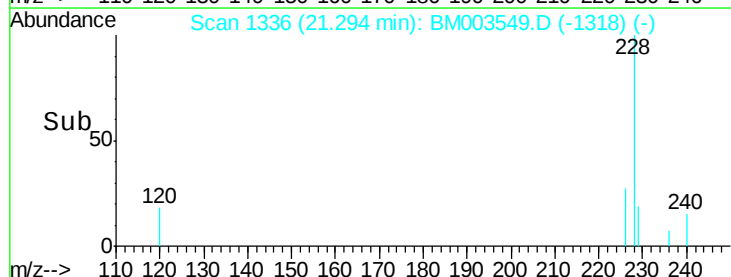
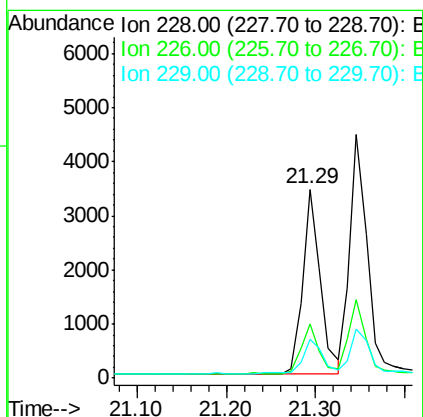
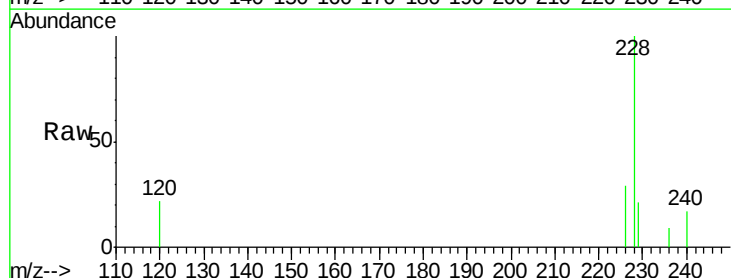
Tgt Ion:228 Resp: 4754

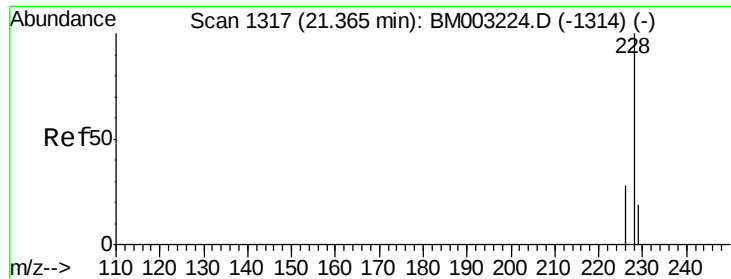
Ion Ratio Lower Upper

228 100

226 28.8 18.8 28.2#

229 20.8 17.1 25.7





#21

Chrysene

Concen: 0.08 ng/uL

RT: 21.29 min Scan# 1336

Delta R.T. -0.06 min

Lab File: BM003549.D

Acq: 15 Dec 2015 15:23

Instrument :

BNA_M

ClientSampleId :

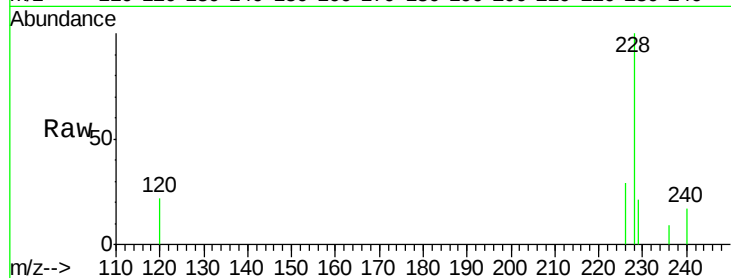
Tot Ion:228 Resp: 4743

Ion Ratio Lower Upper

228 100

226 28.8 21.2 31.8

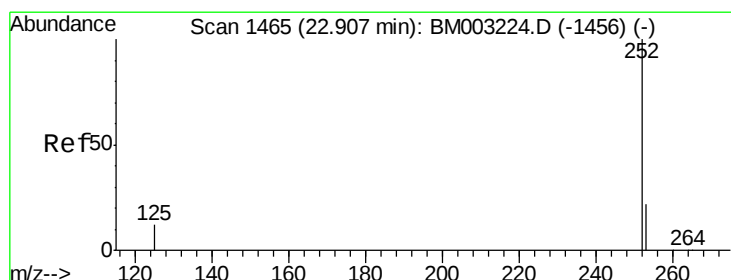
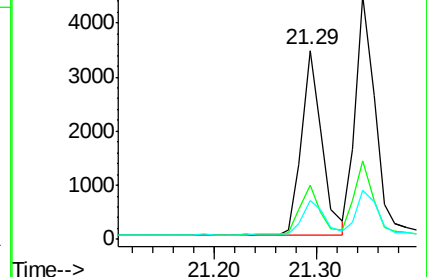
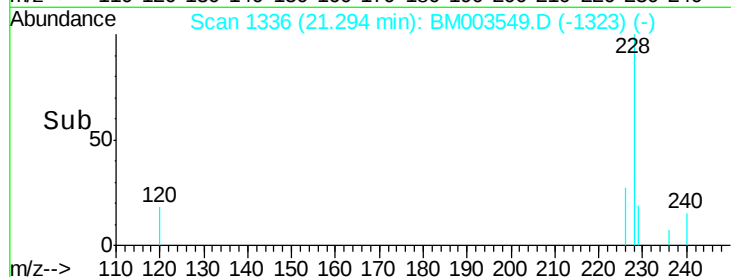
229 20.8 17.0 25.6



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: 0.09 ng/uL

RT: 22.89 min Scan# 1489

Delta R.T. -0.01 min

Lab File: BM003549.D

Acq: 15 Dec 2015 15:23

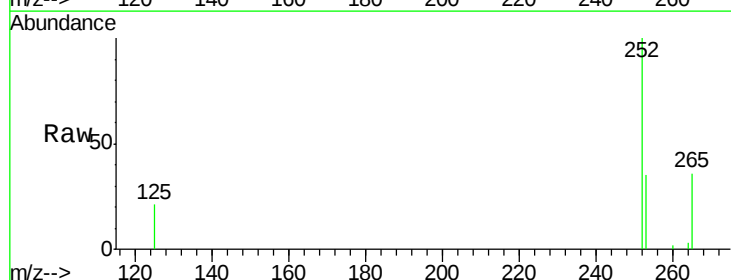
Tgt Ion:252 Resp: 5436

Ion Ratio Lower Upper

252 100

253 34.9 0.0 45.4

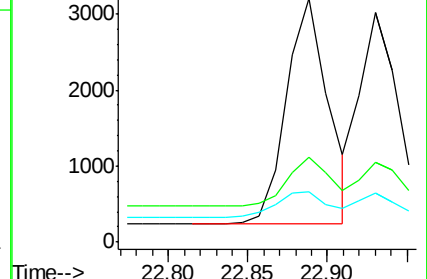
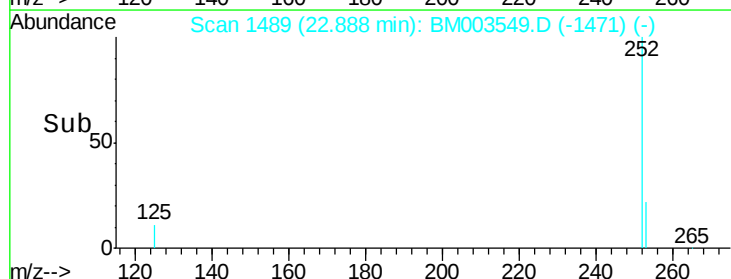
125 20.6 0.0 28.8

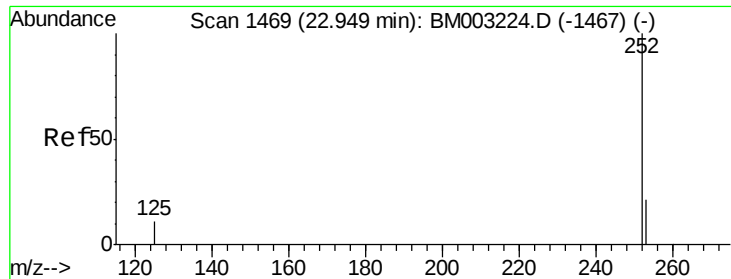


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.09 ng/ul

RT: 22.93 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BM003549.D

Acq: 15 Dec 2015 15:23

Instrument :

BNA_M

ClientSampleId :

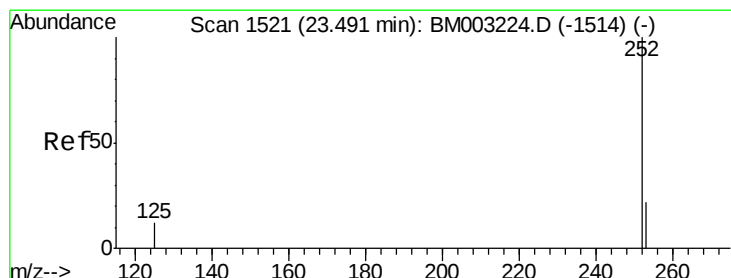
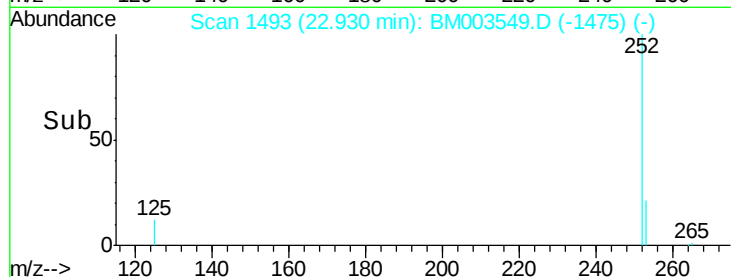
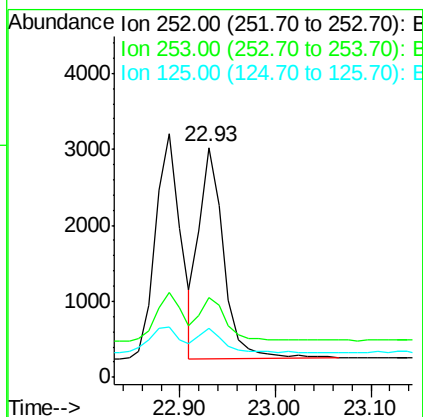
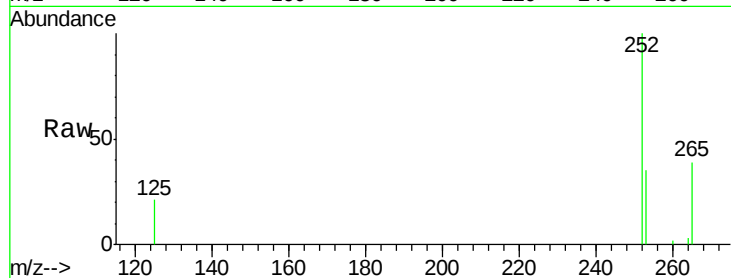
Tot Ion:252 Resp: 4901

Ion Ratio Lower Upper

252 100

253 34.8 19.8 29.8#

125 21.3 10.4 15.6#



#25

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 23.46 min Scan# 1544

Delta R.T. -0.02 min

Lab File: BM003549.D

Acq: 15 Dec 2015 15:23

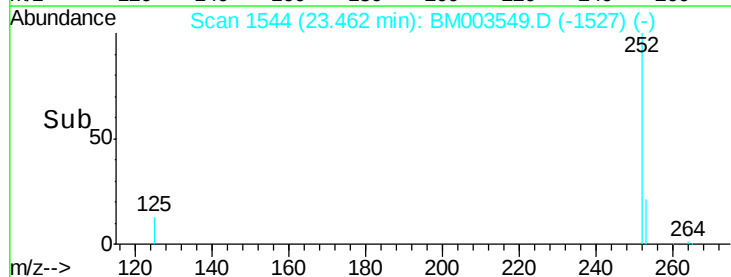
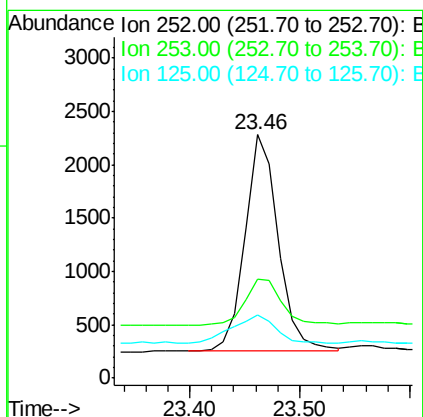
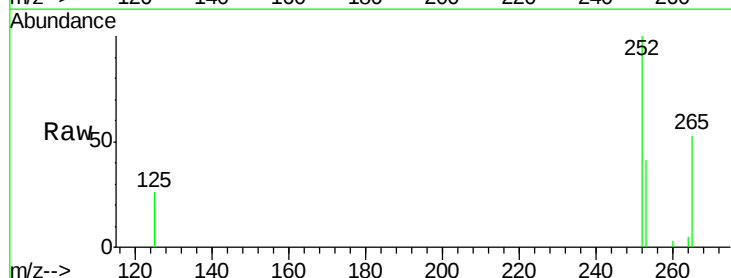
Tgt Ion:252 Resp: 4273

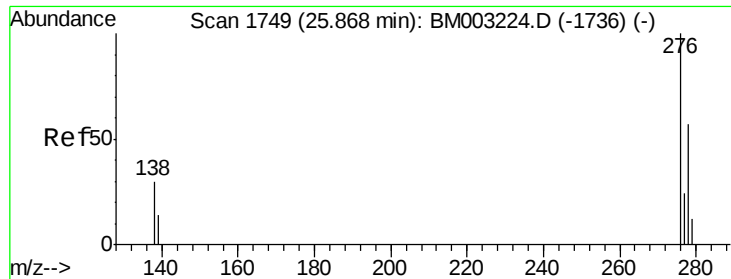
Ion Ratio Lower Upper

252 100

253 40.8 19.4 29.2#

125 26.0 12.7 19.1#

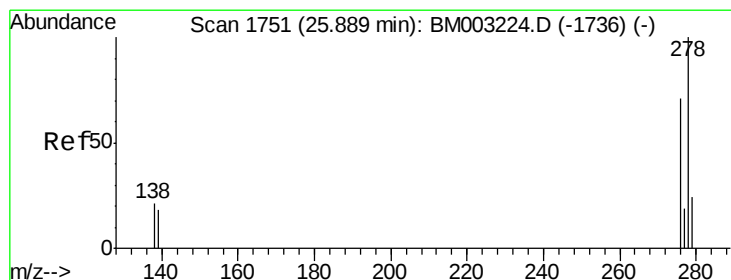
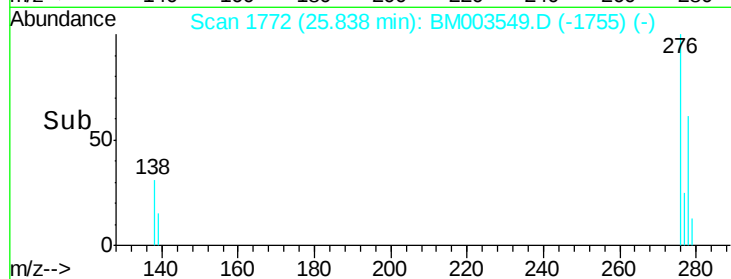
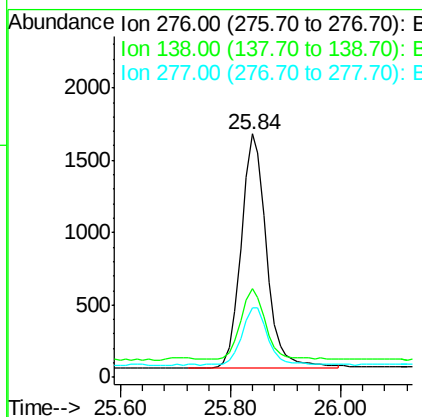
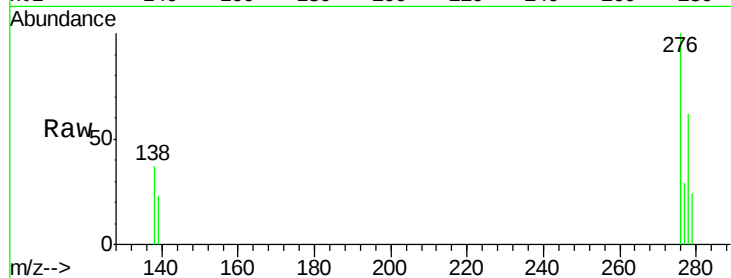




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.09 ng/ul
 RT: 25.84 min Scan# 1772
 Delta R.T. -0.02 min
 Lab File: BM003549.D
 Acq: 15 Dec 2015 15:23

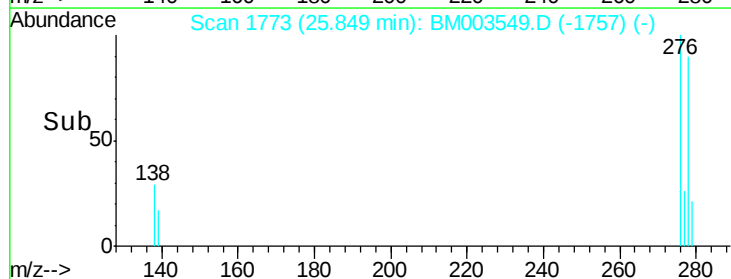
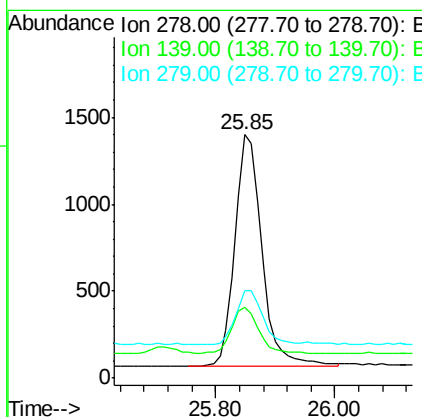
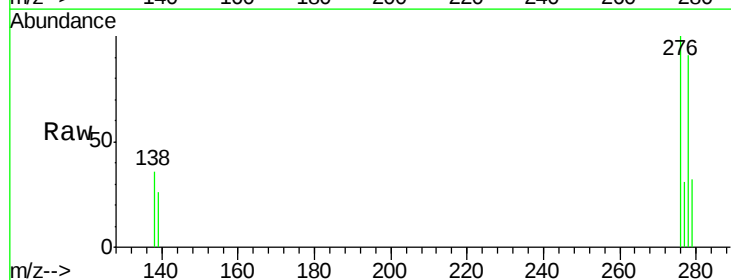
Instrument :
 BNA_M
 ClientSampleId :

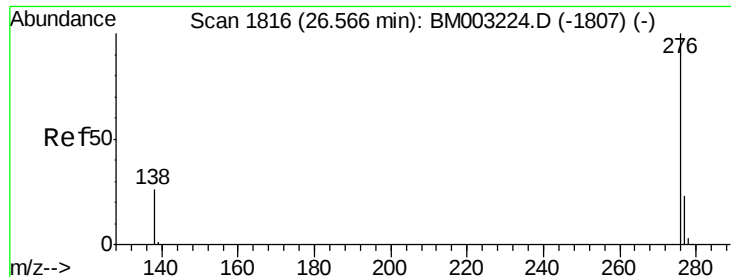
Tot Ion:276 Resp: 5212
 Ion Ratio Lower Upper
 276 100
 138 30.0 16.3 24.5#
 277 25.7 19.8 29.8



#27
 Dibenzo(a,h)anthracene
 Concen: 0.08 ng/ul
 RT: 25.85 min Scan# 1773
 Delta R.T. -0.03 min
 Lab File: BM003549.D
 Acq: 15 Dec 2015 15:23

Tgt Ion:278 Resp: 4152
 Ion Ratio Lower Upper
 278 100
 139 29.0 16.4 24.6#
 279 35.7 20.2 30.2#





#28

Benzo(a,h,i)perylene

Concen: 0.09 ng/ul

RT: 26.54 min Scan# 1839

Delta R.T. -0.02 min

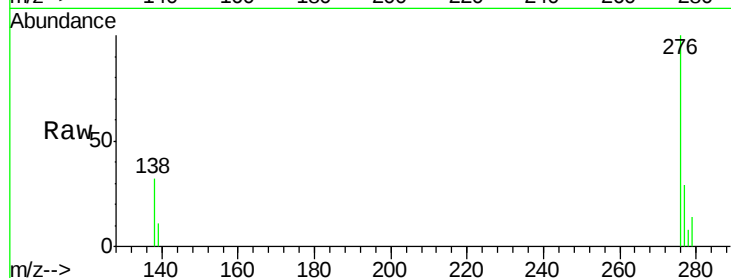
Lab File: BM003549.D

Acq: 15 Dec 2015 15:23

Instrument :

BNA_M

ClientSampleId :



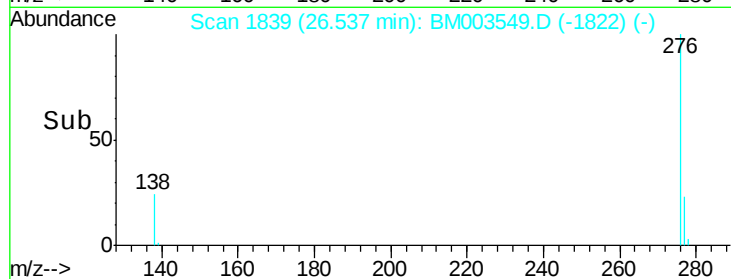
Tot Ion: 276 Resp: 4587

Ion Ratio Lower Upper

276 100

277 28.7 18.9 28.3#

138 32.2 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

