

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031915\
 Data File : BM000732.D
 Acq On : 19 Mar 2015 17:34
 Operator : TP/IZ
 Sample : G1452-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1K80

Quant Time: Mar 20 11:02:24 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM031915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 15:39:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	2568	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	9053	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	4967	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	8876	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	7314	0.40	ng/ul	0.00
20) Perylene-d12	23.41	264	6681	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.00	152	3391	0.33	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	6660	0.38	ng/ul	0.00

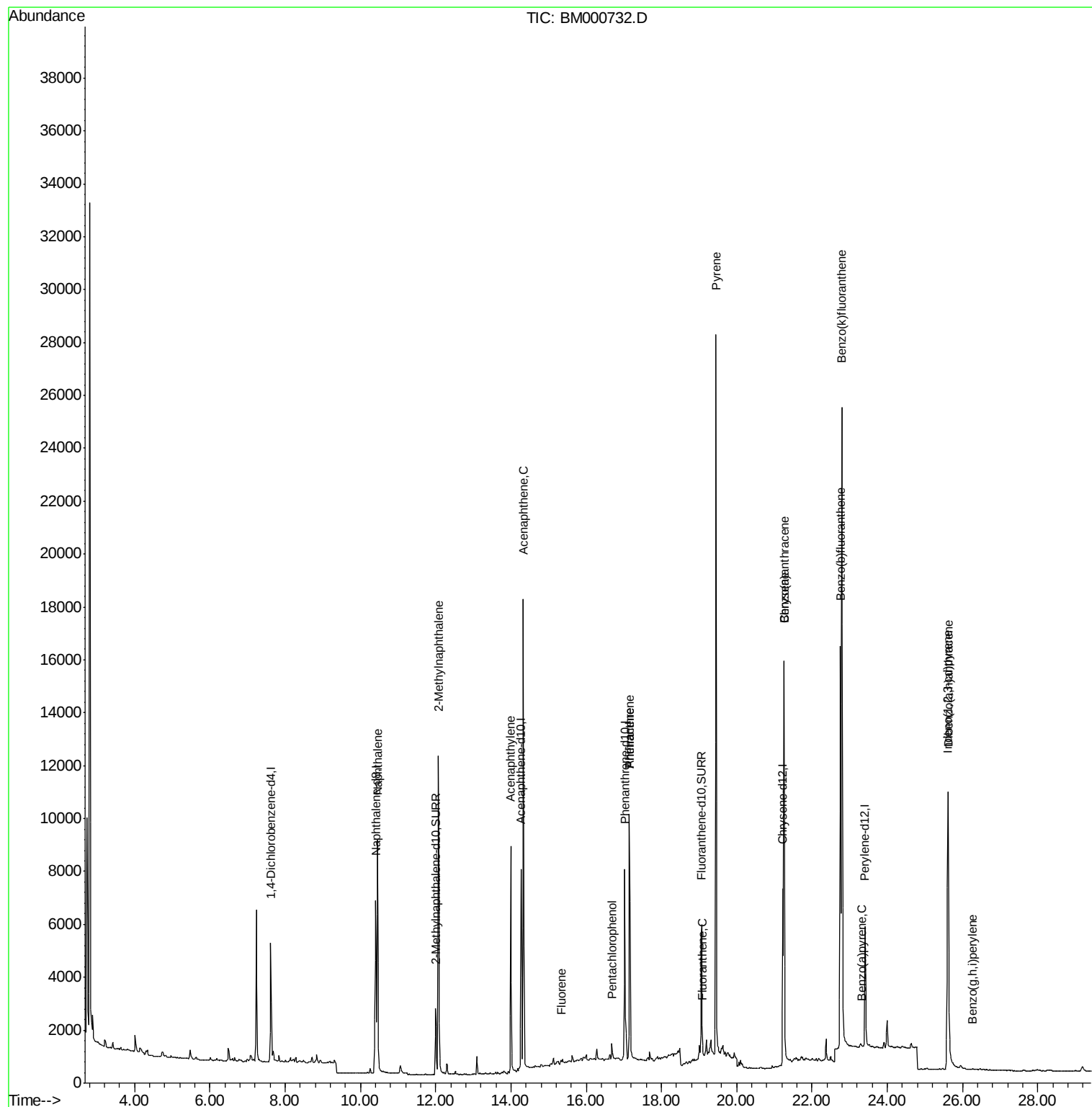
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	12568	0.58	ng/ul	100
5) 2-Methylnaphthalene	12.08	142	9209	0.67	ng/ul	100
7) Acenaphthylene	14.00	152	11379	0.66	ng/ul	99
8) Acenaphthene	14.33	153	10940	0.78	ng/ul	99
9) Fluorene	15.34	166	125	0.01	ng/ul#	17
11) Pentachlorophenol	16.68	266	564	0.51	ng/ul	96
12) Phenanthrene	17.15	178	12558	0.53	ng/ul	98
13) Anthracene	17.15	178	12765	0.61	ng/ul	99
15) Fluoranthene	19.09	202	232	0.01	ng/ul#	1
17) Pyrene	19.45	202	24488	0.94	ng/ul	100
18) Benzo(a)anthracene	21.26	228	16641	0.82	ng/ul#	92
19) Chrysene	21.26	228	16641	0.69	ng/ul#	88
21) Benzo(b)fluoranthene	22.75	252	18892	0.83	ng/ul	97
22) Benzo(k)fluoranthene	22.79	252	29378	1.25	ng/ul	97
23) Benzo(a)pyrene	23.31	252	109	0.01	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.61	276	3995	0.17	ng/ul#	62
25) Dibenzo(a,h)anthracene	25.62	278	16698	0.86	ng/ul	95
26) Benzo(g,h,i)perylene	26.27	276	68	0.00	ng/ul#	1

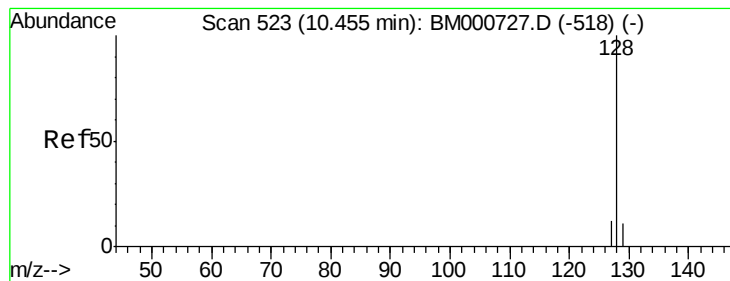
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.58 ng/ul

RT: 10.46 min Scan# 523

Delta R.T. 0.00 min

Lab File: BM000732.D

Acq: 19 Mar 2015 17:34

Instrument :

BNA_M

ClientSampleId :

X1K80

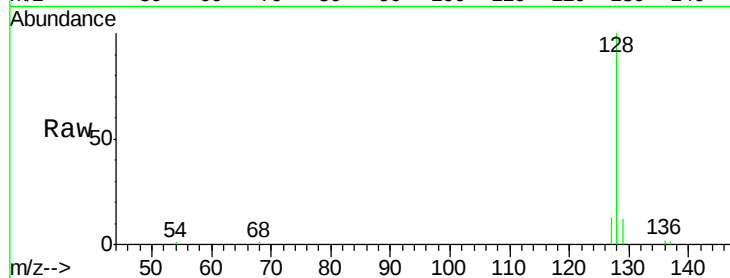
Tgt Ion:128 Resp: 12568

Ion Ratio Lower Upper

128 100

129 11.5 9.3 13.9

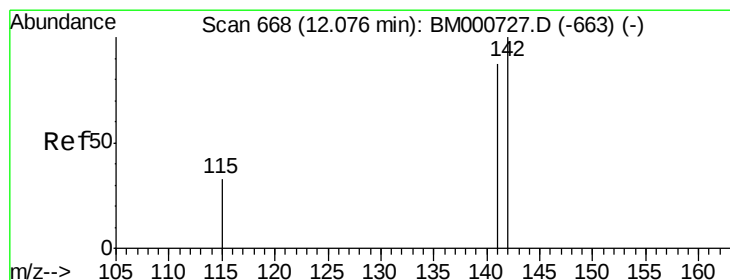
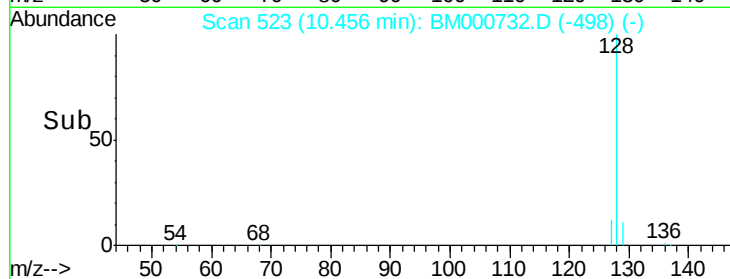
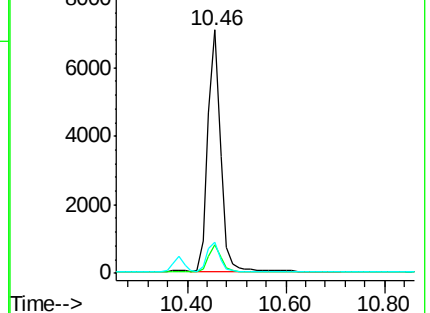
127 12.7 10.2 15.4



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



#5

2-Methylnaphthalene

Concen: 0.67 ng/ul

RT: 12.08 min Scan# 668

Delta R.T. 0.00 min

Lab File: BM000732.D

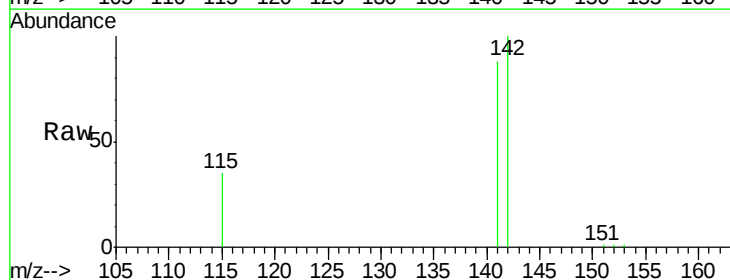
Acq: 19 Mar 2015 17:34

Tgt Ion:142 Resp: 9209

Ion Ratio Lower Upper

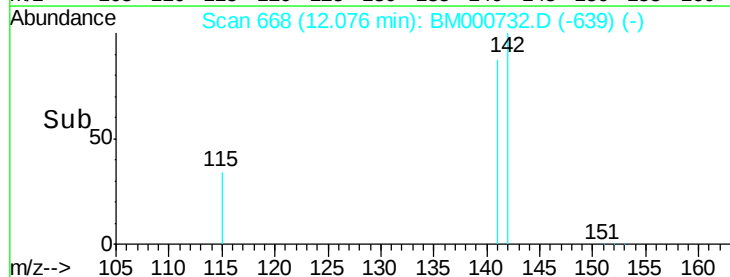
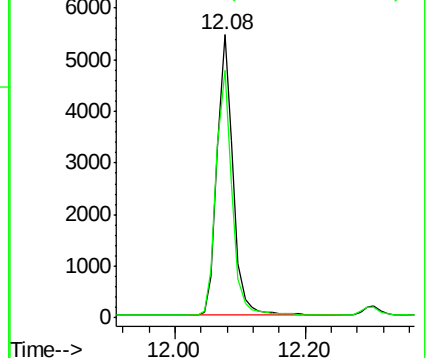
142 100

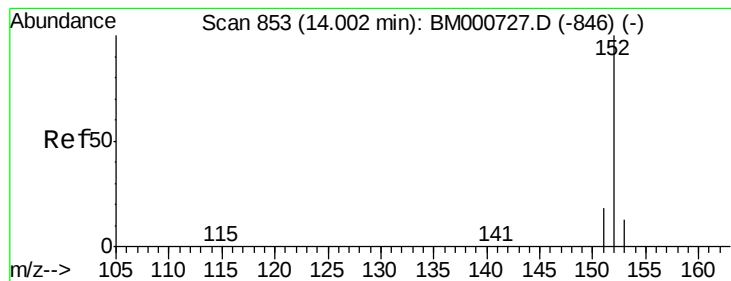
141 88.2 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.66 ng/ul

RT: 14.00 min Scan# 853

Delta R.T. 0.00 min

Lab File: BM000732.D

Acq: 19 Mar 2015 17:34

Instrument :

BNA_M

ClientSampleId :

X1K80

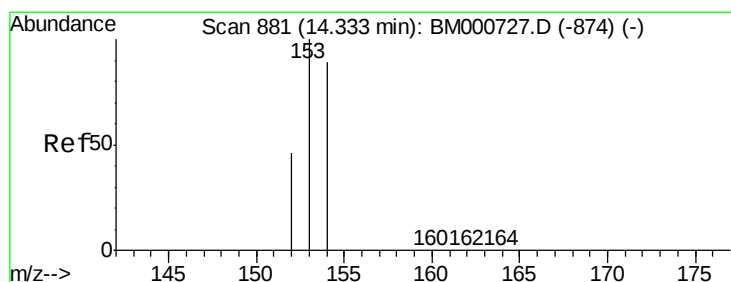
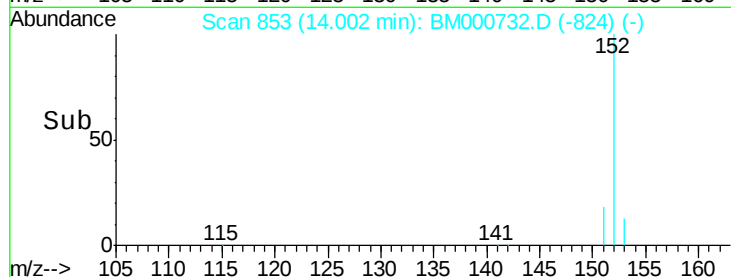
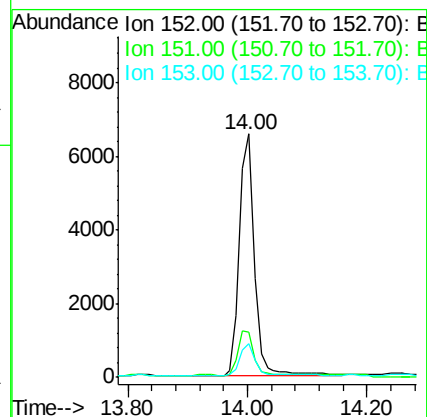
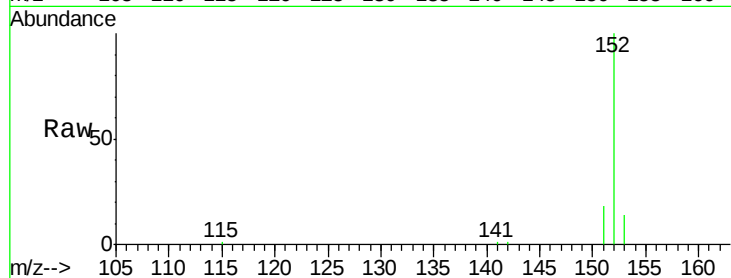
Tgt Ion:152 Resp: 11379

Ion Ratio Lower Upper

152 100

151 18.4 15.2 22.8

153 13.9 11.2 16.8



#8

Acenaphthene

Concen: 0.78 ng/ul

RT: 14.33 min Scan# 881

Delta R.T. 0.00 min

Lab File: BM000732.D

Acq: 19 Mar 2015 17:34

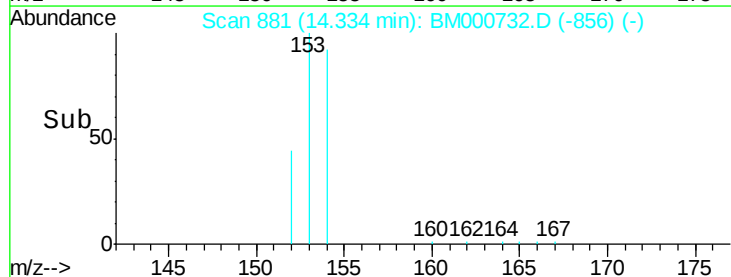
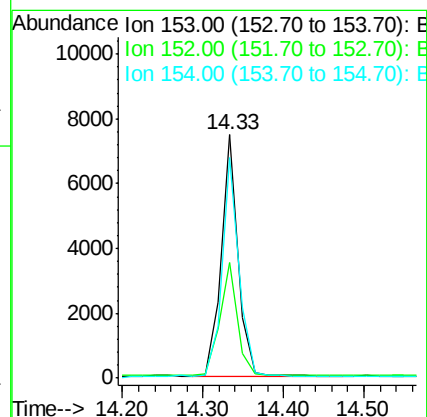
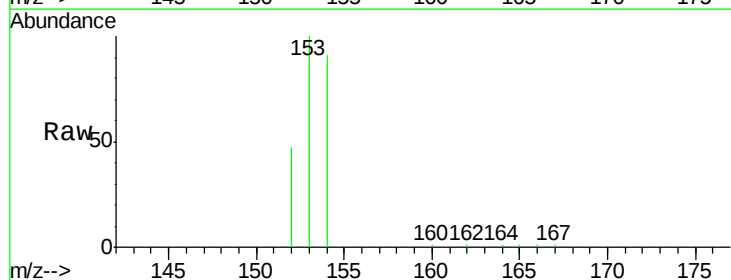
Tgt Ion:153 Resp: 10940

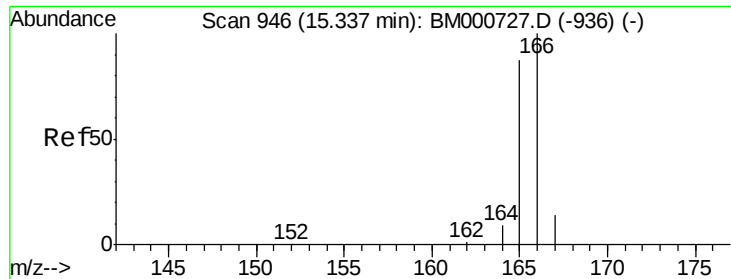
Ion Ratio Lower Upper

153 100

152 47.5 37.8 56.6

154 90.6 71.0 106.6

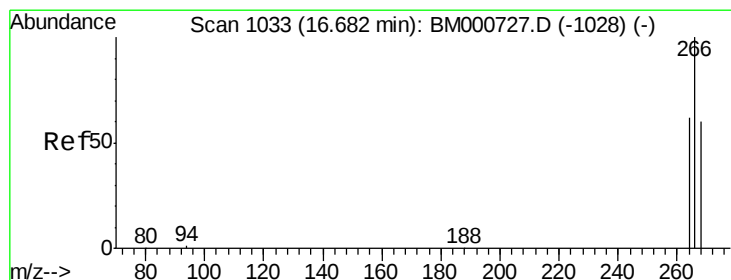
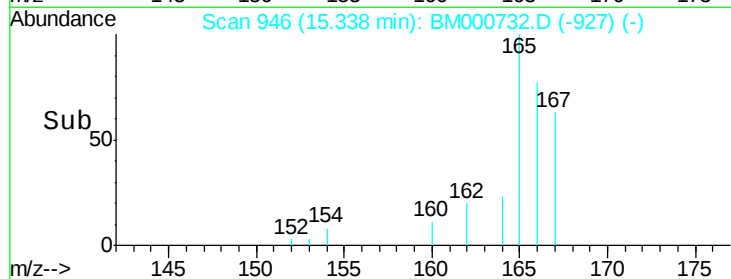
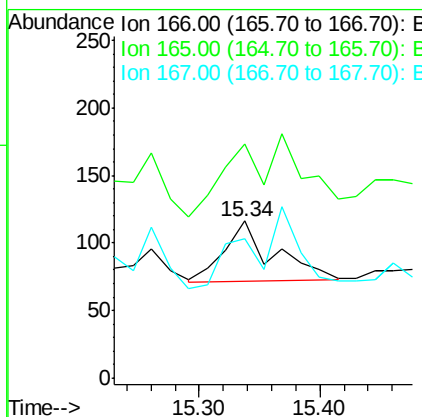
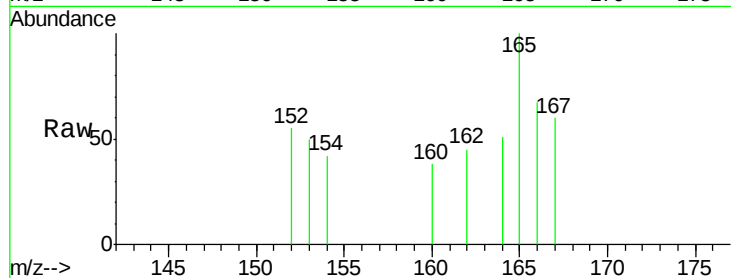




#9
Fluorene
 Concen: 0.01 ng/ul
 RT: 15.34 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: BM000732.D
 Acq: 19 Mar 2015 17:34

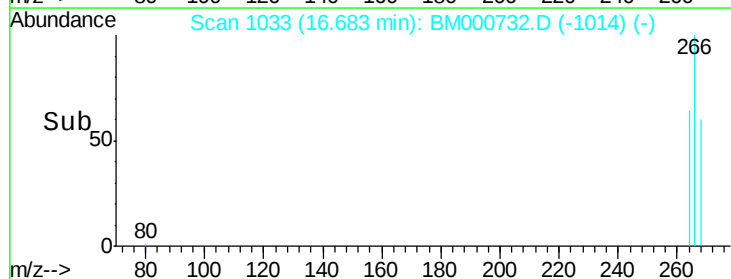
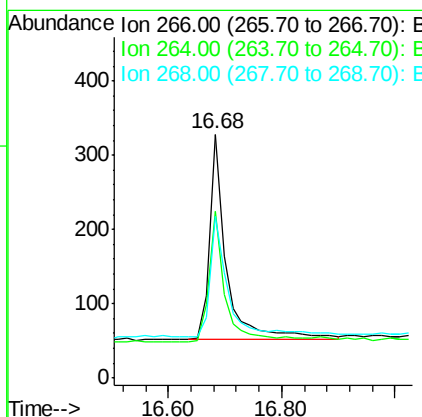
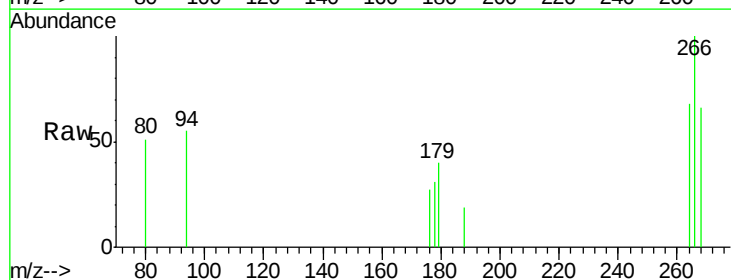
Instrument :
 BNA_M
 ClientSampleId :
 X1K80

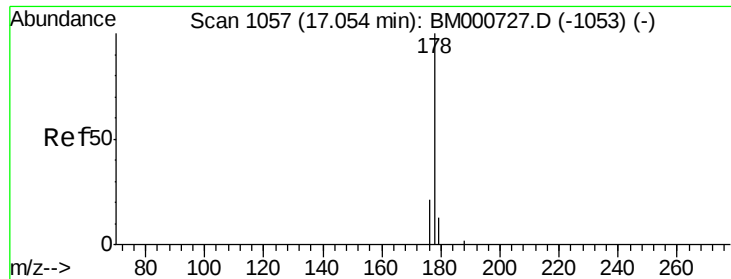
Tgt Ion:166 Resp: 125
 Ion Ratio Lower Upper
 166 100
 165 149.1 69.8 104.6#
 167 88.8 12.5 18.7#



#11
Pentachlorophenol
 Concen: 0.51 ng/ul
 RT: 16.68 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BM000732.D
 Acq: 19 Mar 2015 17:34

Tgt Ion:266 Resp: 564
 Ion Ratio Lower Upper
 266 100
 264 65.4 47.8 71.8
 268 64.5 51.7 77.5





#12

Phenanthrene

Concen: 0.53 ng/ul

RT: 17.15 min Scan# 1063

Delta R.T. 0.09 min

Lab File: BM000732.D

Acq: 19 Mar 2015 17:34

Instrument :

BNA_M

ClientSampleId :

X1K80

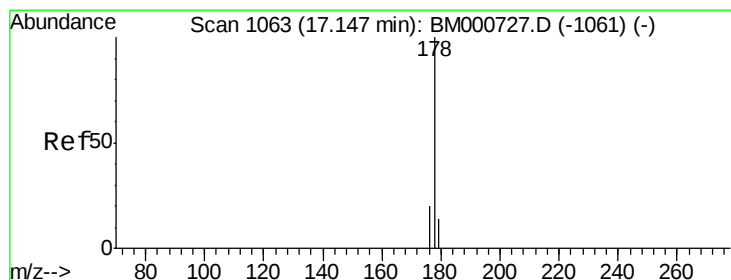
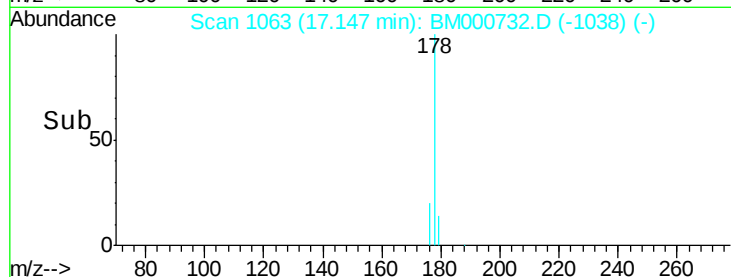
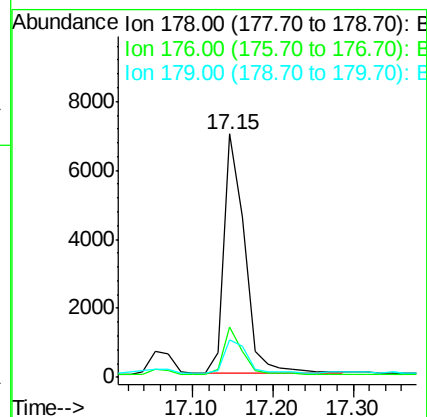
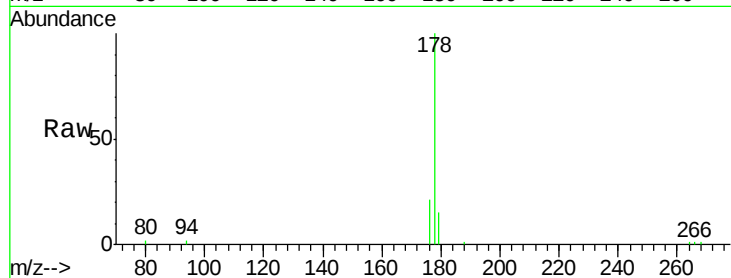
Tgt Ion:178 Resp: 12558

Ion Ratio Lower Upper

178 100

176 20.9 17.4 26.0

179 15.5 11.5 17.3



#13

Anthracene

Concen: 0.61 ng/ul

RT: 17.15 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BM000732.D

Acq: 19 Mar 2015 17:34

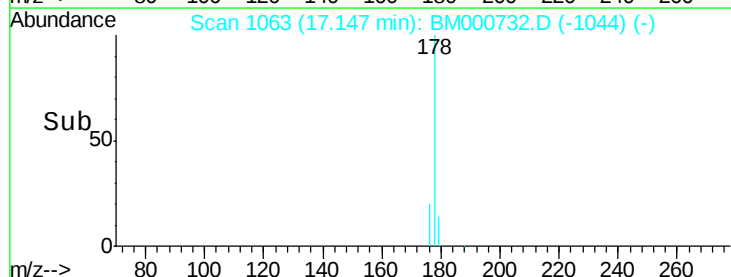
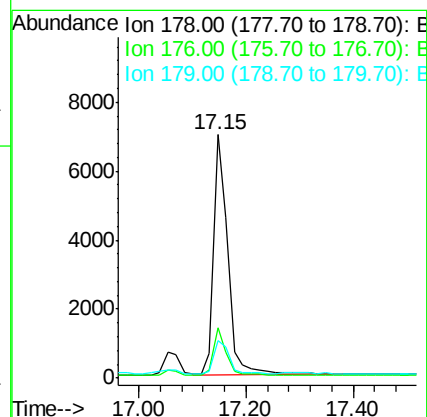
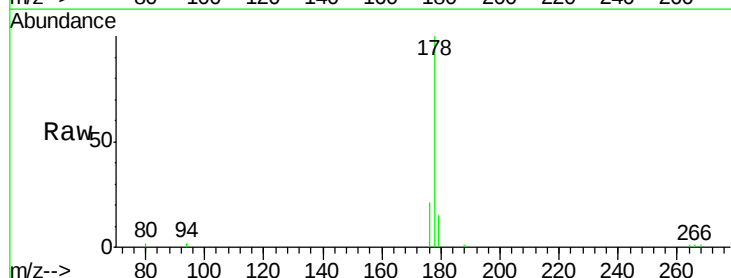
Tgt Ion:178 Resp: 12765

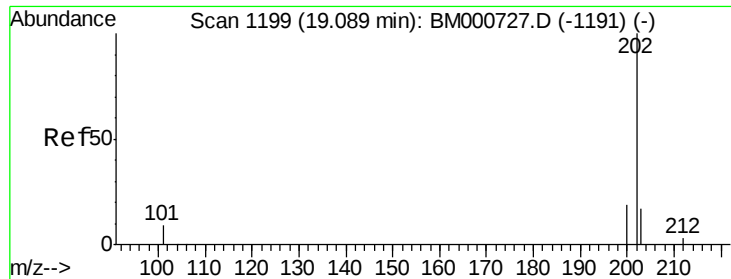
Ion Ratio Lower Upper

178 100

176 20.9 16.7 25.1

179 15.5 12.0 18.0

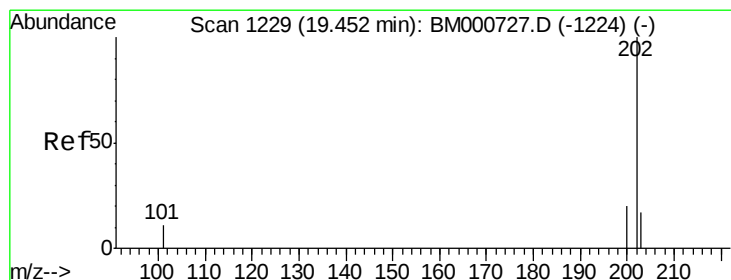
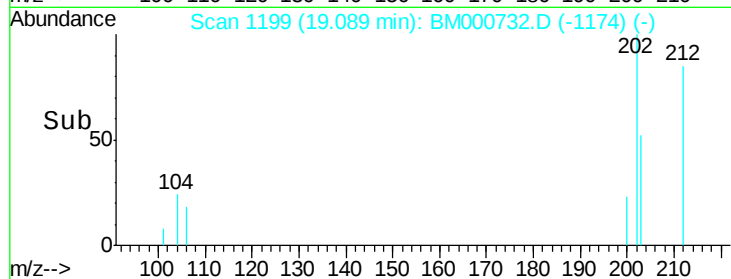
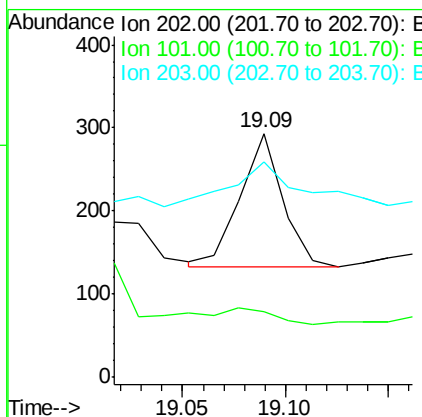
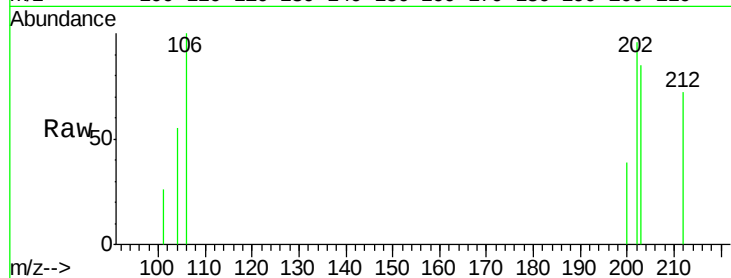




#15
Fluoranthene
 Concen: 0.01 ng/ul
 RT: 19.09 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: BM000732.D
 Acq: 19 Mar 2015 17:34

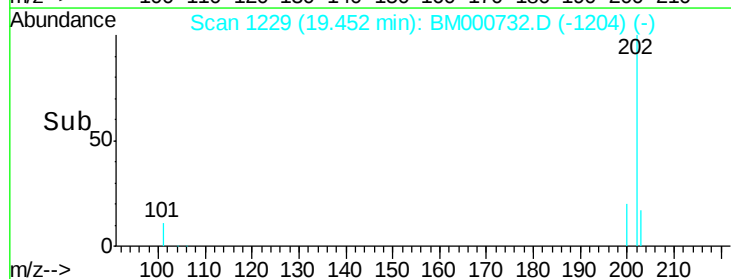
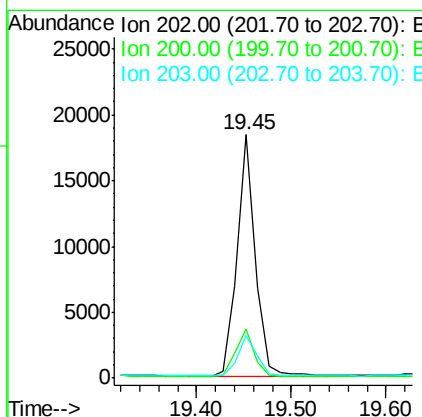
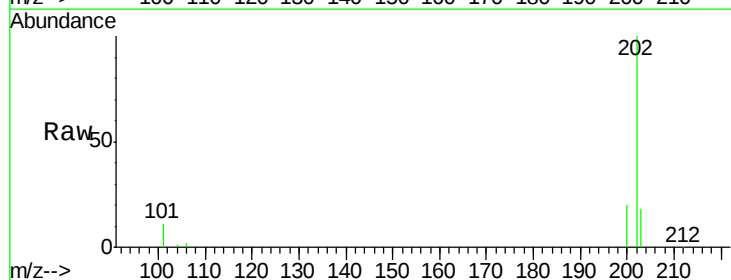
Instrument :
 BNA_M
 ClientSampleId :
 X1K80

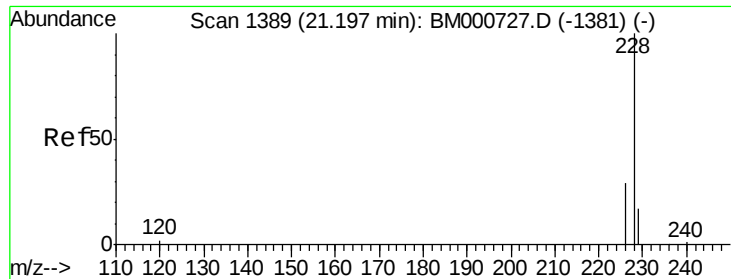
Tgt Ion: 202 Resp: 232
 Ion Ratio Lower Upper
 202 100
 101 27.0 0.0 29.8
 203 88.4 0.0 37.7#



#17
Pyrene
 Concen: 0.94 ng/ul
 RT: 19.45 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: BM000732.D
 Acq: 19 Mar 2015 17:34

Tgt Ion: 202 Resp: 24488
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.3 24.5
 203 17.7 13.9 20.9





#18

Benzo(a)anthracene

Concen: 0.82 ng/ul

RT: 21.26 min Scan# 1395

Delta R.T. 0.06 min

Lab File: BM000732.D

Acq: 19 Mar 2015 17:34

Instrument :

BNA_M

ClientSampleId :

X1K80

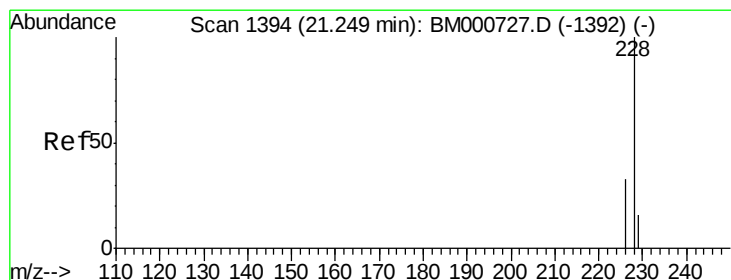
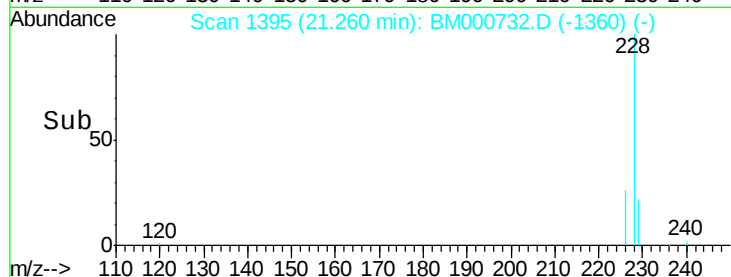
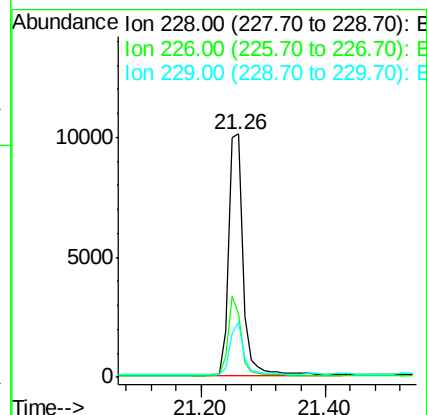
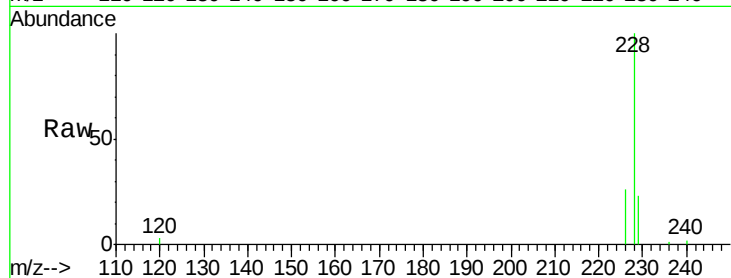
Tgt Ion:228 Resp: 16641

Ion Ratio Lower Upper

228 100

226 26.1 23.7 35.5

229 22.5 14.2 21.2#



#19

Chrysene

Concen: 0.69 ng/ul

RT: 21.26 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BM000732.D

Acq: 19 Mar 2015 17:34

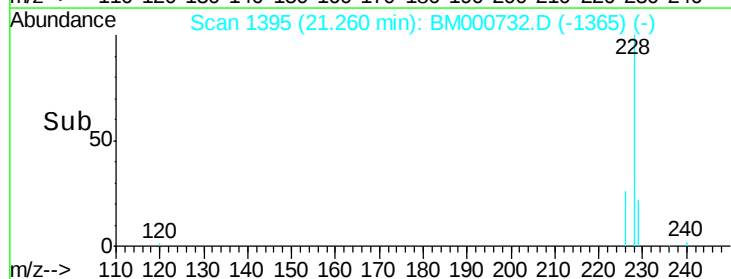
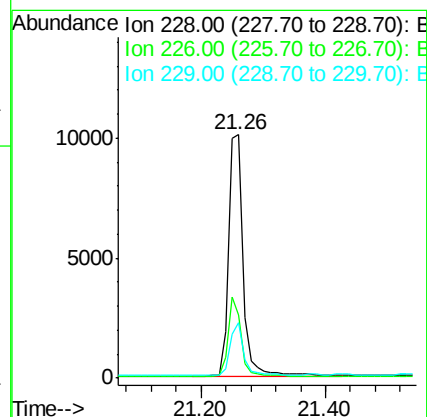
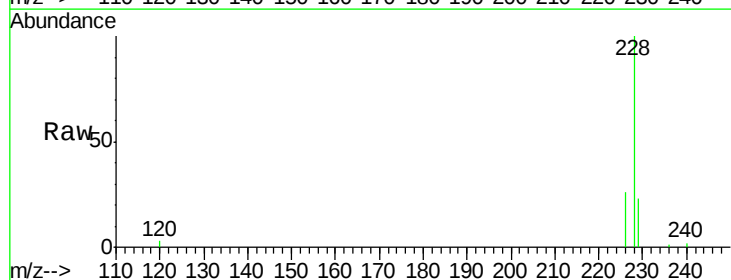
Tgt Ion:228 Resp: 16641

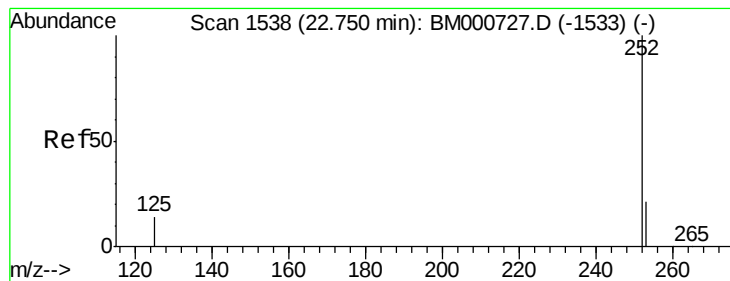
Ion Ratio Lower Upper

228 100

226 26.1 26.1 39.1#

229 22.5 13.9 20.9#





#21

Benzo(b)fluoranthene

Concen: 0.83 ng/u1

RT: 22.75 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BM000732.D

Acq: 19 Mar 2015 17:34

Instrument :

BNA_M

ClientSampleId :

X1K80

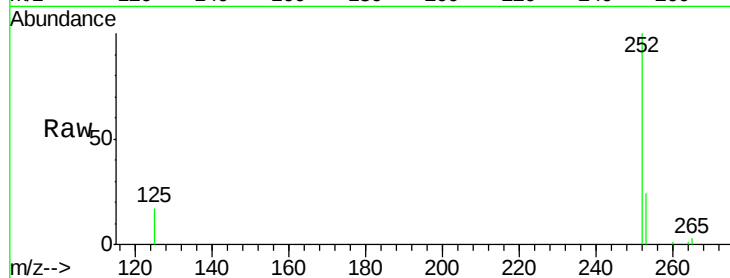
Tgt Ion:252 Resp: 18892

Ion Ratio Lower Upper

252 100

253 23.9 0.0 49.2

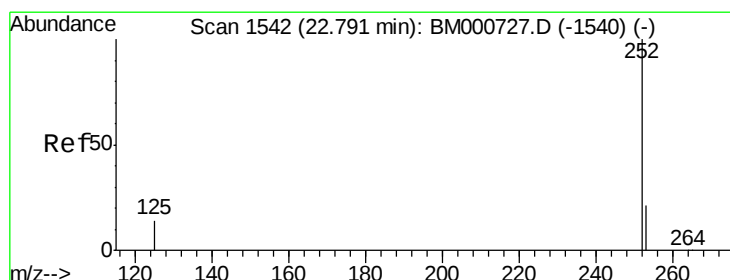
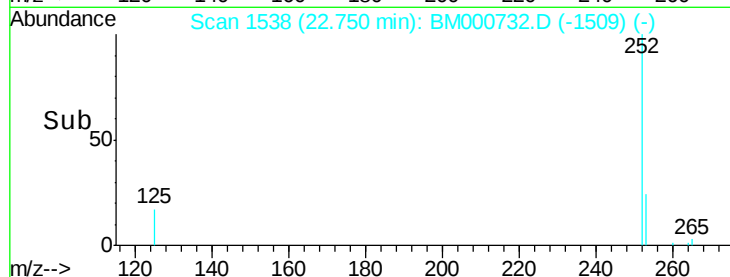
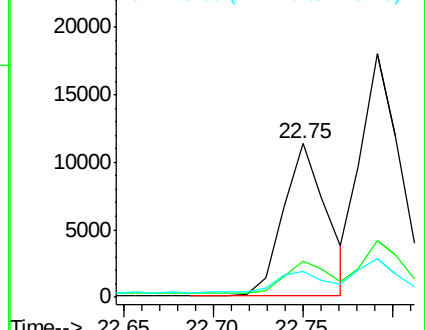
125 16.9 0.0 30.0



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



#22

Benzo(k)fluoranthene

Concen: 1.25 ng/u1

RT: 22.79 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BM000732.D

Acq: 19 Mar 2015 17:34

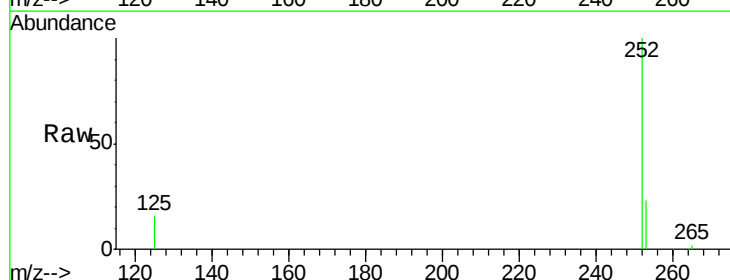
Tgt Ion:252 Resp: 29378

Ion Ratio Lower Upper

252 100

253 23.1 19.8 29.6

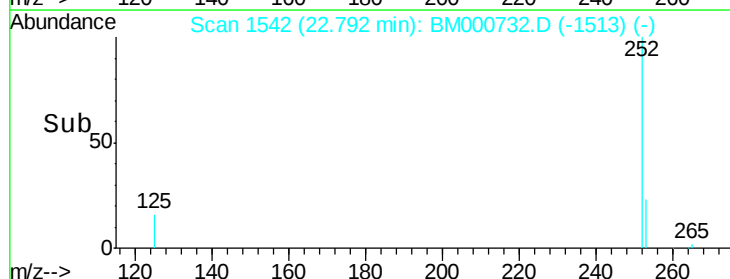
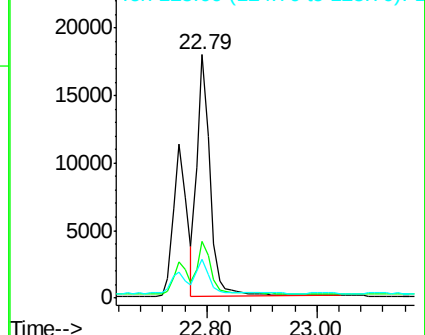
125 15.8 12.2 18.2

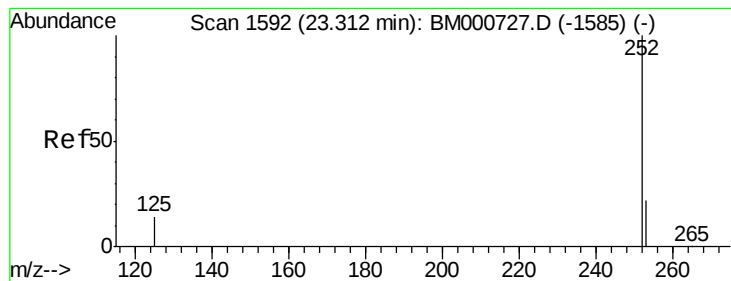


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.31 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BM000732.D

Acq: 19 Mar 2015 17:34

Instrument :

BNA_M

ClientSampleId :

X1K80

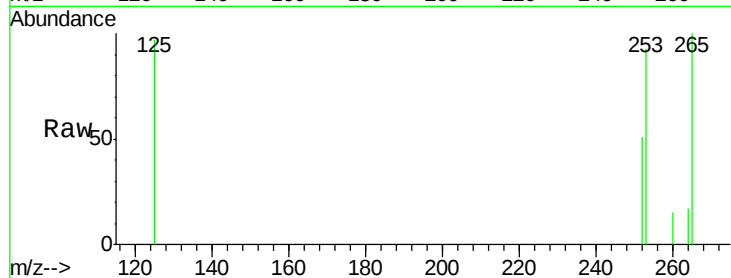
Tgt Ion:252 Resp: 109

Ion Ratio Lower Upper

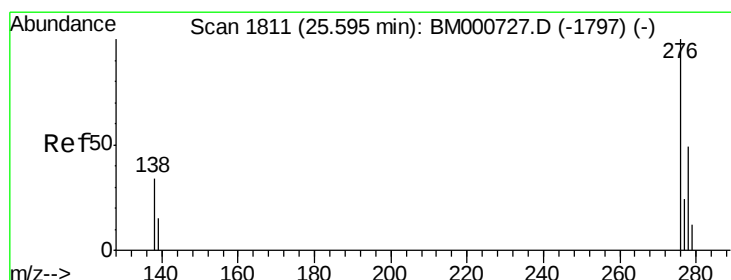
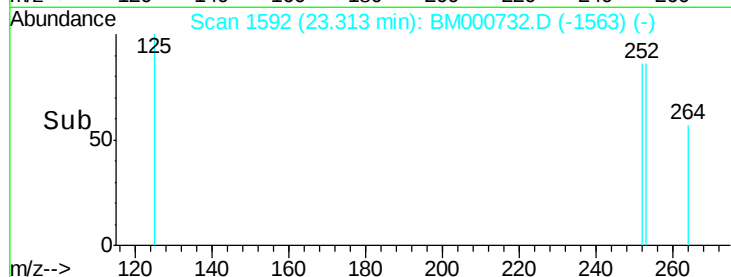
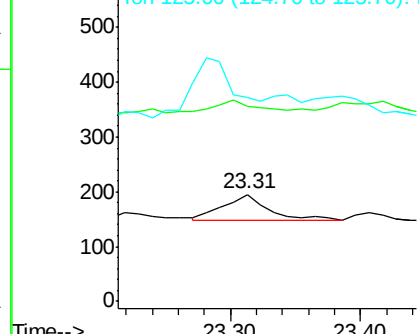
252 100

253 182.6 21.5 32.3#

125 191.3 13.0 19.6#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.17 ng/ul

RT: 25.61 min Scan# 1812

Delta R.T. 0.01 min

Lab File: BM000732.D

Acq: 19 Mar 2015 17:34

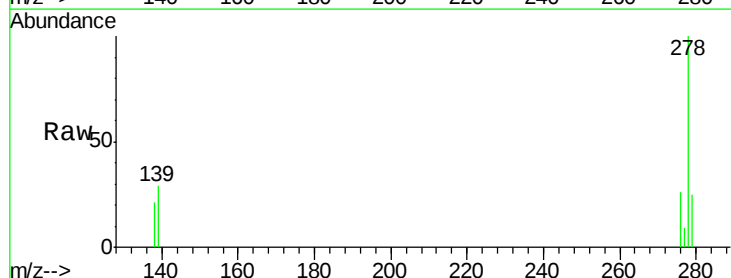
Tgt Ion:276 Resp: 3995

Ion Ratio Lower Upper

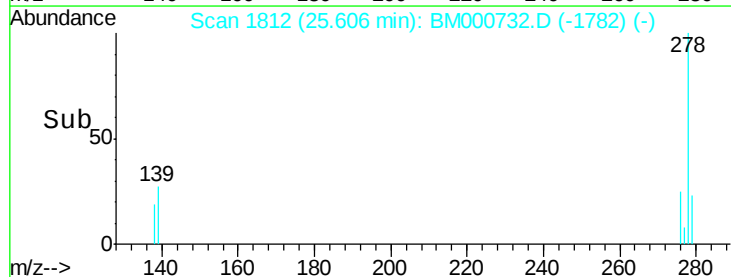
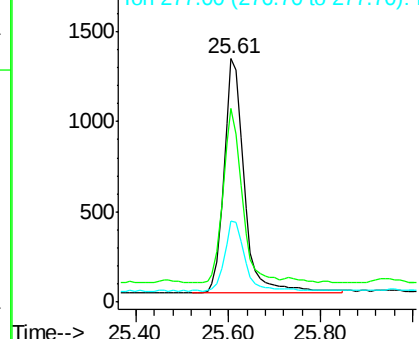
276 100

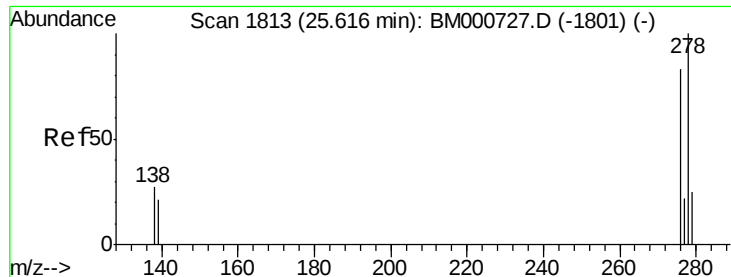
138 68.8 27.8 41.8#

277 29.6 19.9 29.9



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





#25

Dibenzo(a,h)anthracene

Concen: 0.86 ng/ul

RT: 25.62 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BM000732.D

Acq: 19 Mar 2015 17:34

Instrument :

BNA_M

ClientSampleId :

X1K80

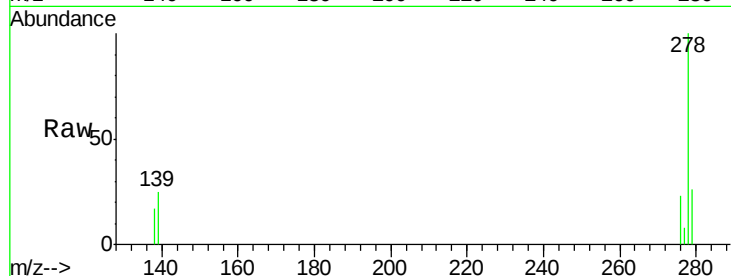
Tgt Ion: 278 Resp: 16698

Ion Ratio Lower Upper

278 100

139 25.0 18.1 27.1

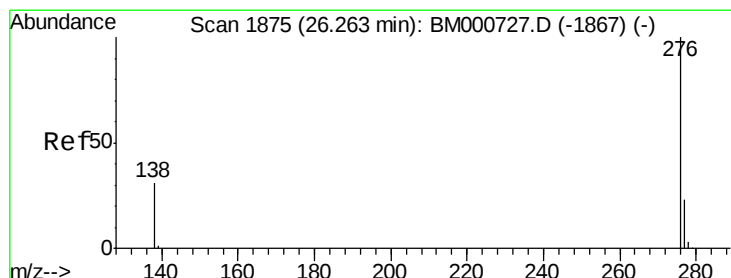
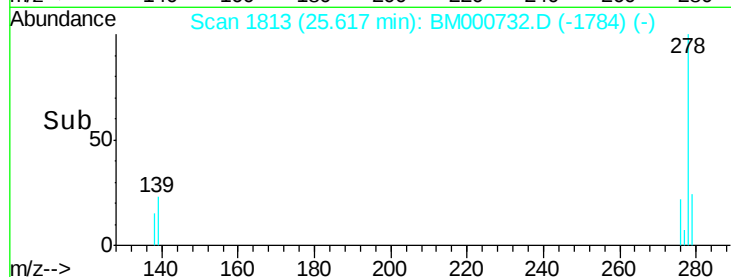
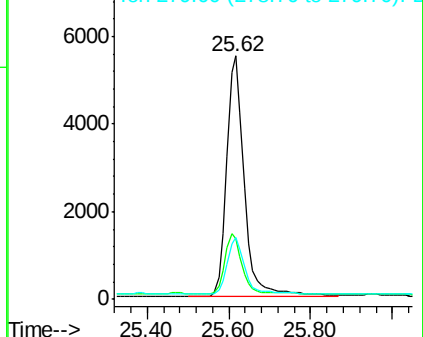
279 25.5 22.3 33.5



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.27 min Scan# 1876

Delta R.T. 0.01 min

Lab File: BM000732.D

Acq: 19 Mar 2015 17:34

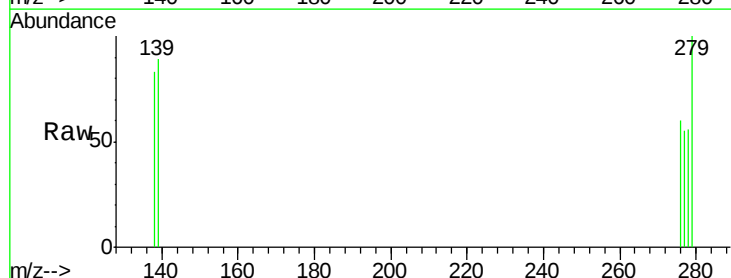
Tgt Ion: 276 Resp: 68

Ion Ratio Lower Upper

276 100

277 91.7 19.6 29.4#

138 138.9 25.6 38.4#



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

