

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032015\
 Data File : BM000738.D
 Acq On : 20 Mar 2015 12:08
 Operator : TP/IZ
 Sample : SSTD0.403
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.403

Quant Time: Mar 21 03:07:37 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	2876	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	9732	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	5284	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	9493	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	8293	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	7519	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	4933	0.44	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	8528	0.45	ng/ul	-0.01

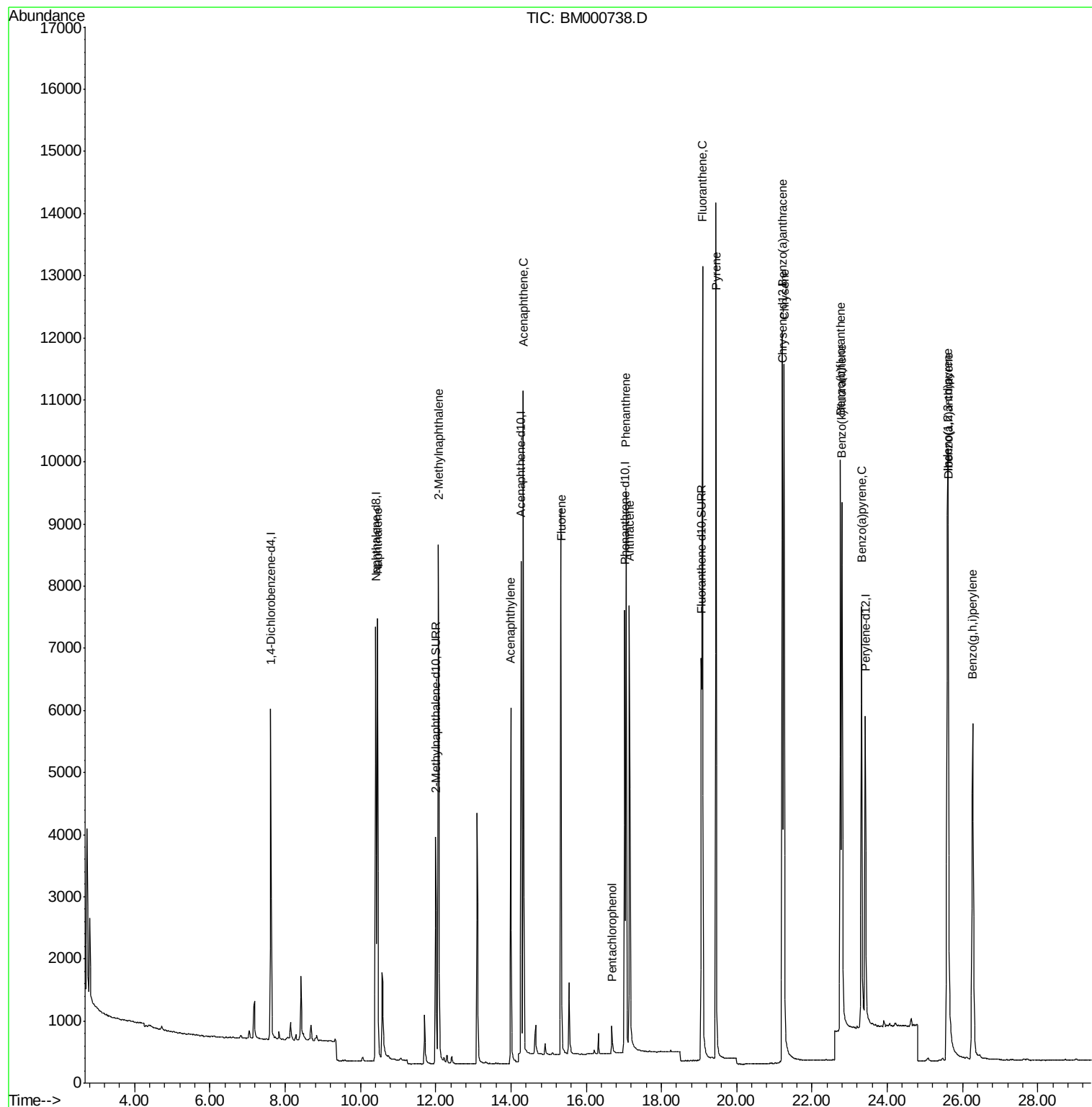
Target Compounds				Qvalue		
3) Naphthalene	10.46	128	10578	0.46	ng/ul	99
5) 2-Methylnaphthalene	12.08	142	6635	0.45	ng/ul	99
7) Acenaphthylene	14.00	152	8070	0.44	ng/ul	98
8) Acenaphthene	14.33	153	6657	0.45	ng/ul	98
9) Fluorene	15.34	166	7403	0.44	ng/ul	97
11) Pentachlorophenol	16.68	266	404	0.34	ng/ul	99
12) Phenanthrene	17.05	178	11537	0.45	ng/ul	99
13) Anthracene	17.15	178	9923	0.45	ng/ul	100
15) Fluoranthene	19.09	202	12720	0.45	ng/ul	100
17) Pyrene	19.45	202	13024	0.44	ng/ul	99
18) Benzo(a)anthracene	21.21	228	10005	0.43	ng/ul	91
19) Chrysene	21.26	228	12548	0.46	ng/ul#	90
21) Benzo(b)fluoranthene	22.75	252	11392	0.45	ng/ul	98
22) Benzo(k)fluoranthene	22.79	252	12757	0.48	ng/ul	98
23) Benzo(a)pyrene	23.31	252	10836	0.46	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.60	276	12453	0.46	ng/ul	100
25) Dibenzo(a,h)anthracene	25.62	278	10012	0.46	ng/ul	97
26) Benzo(g,h,i)perylene	26.26	276	11091	0.46	ng/ul	99

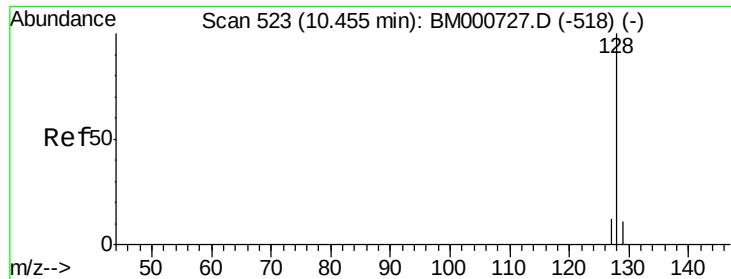
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.46 ng/ul

RT: 10.46 min Scan# 523

Delta R.T. 0.00 min

Lab File: BM000738.D

Acq: 20 Mar 2015 12:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.403

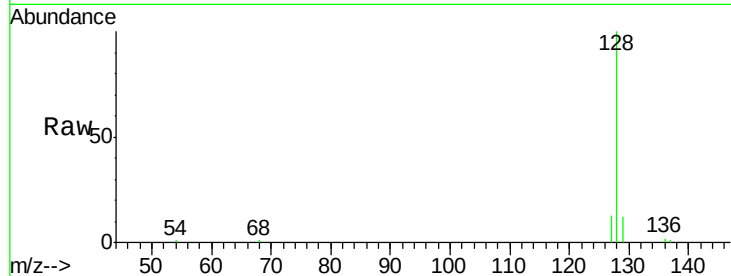
Tgt Ion:128 Resp: 10578

Ion Ratio Lower Upper

128 100

129 12.0 9.3 13.9

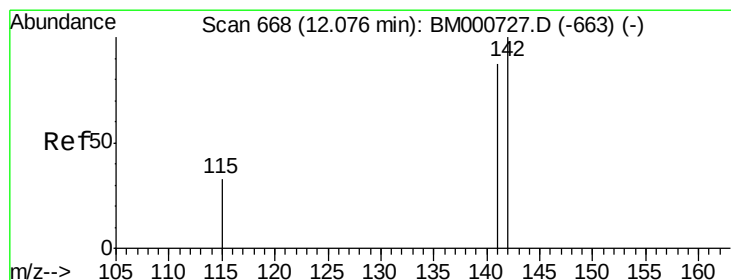
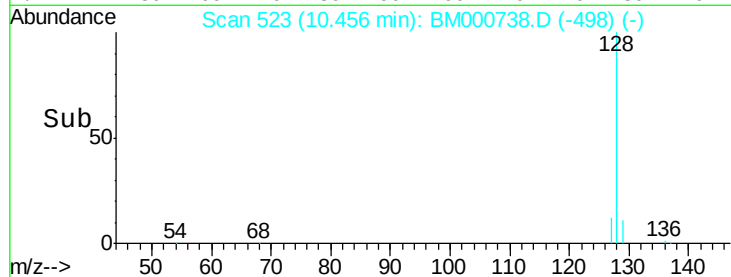
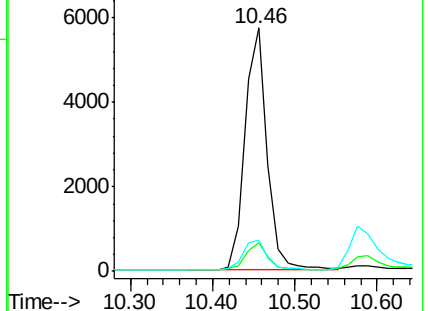
127 12.7 10.2 15.4



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: 0.45 ng/ul

RT: 12.08 min Scan# 668

Delta R.T. 0.00 min

Lab File: BM000738.D

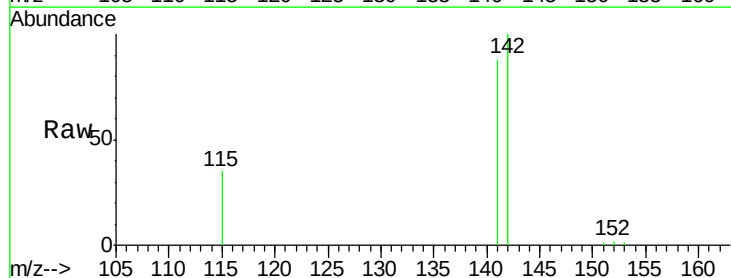
Acq: 20 Mar 2015 12:08

Tgt Ion:142 Resp: 6635

Ion Ratio Lower Upper

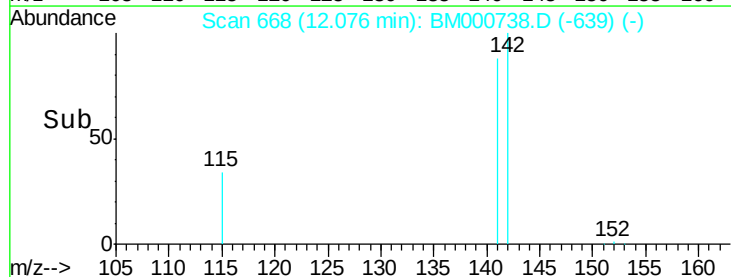
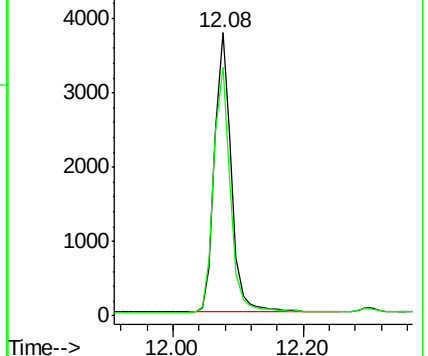
142 100

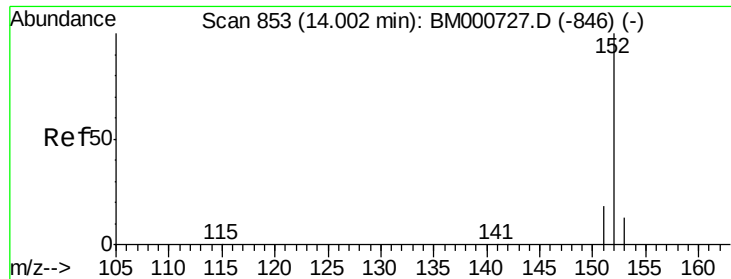
141 89.0 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.44 ng/ul

RT: 14.00 min Scan# 853

Delta R.T. 0.00 min

Lab File: BM000738.D

Acq: 20 Mar 2015 12:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.403

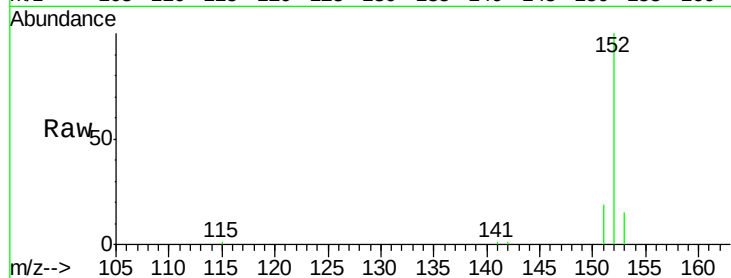
Tgt Ion:152 Resp: 8070

Ion Ratio Lower Upper

152 100

151 18.5 15.2 22.8

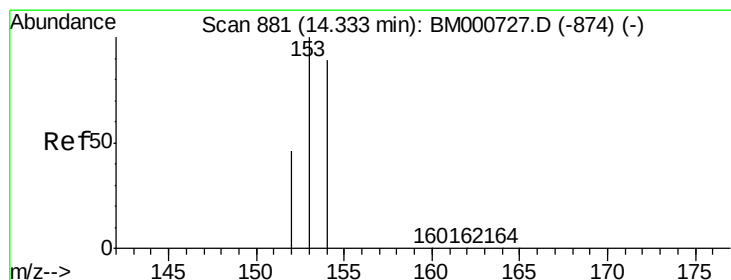
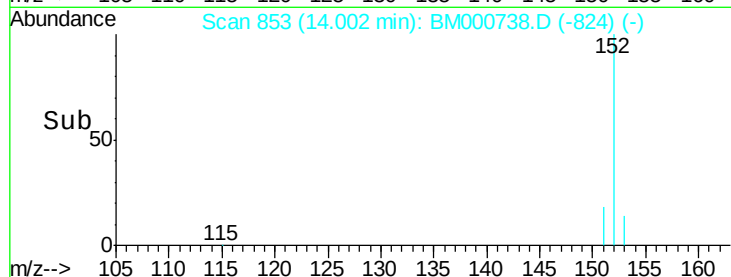
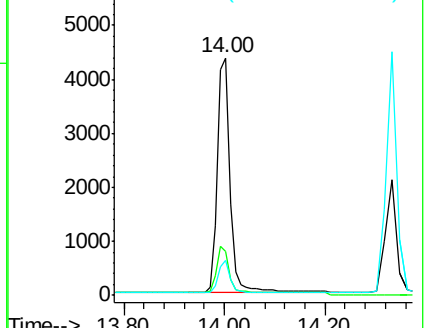
153 14.9 11.2 16.8



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



#8

Acenaphthene

Concen: 0.45 ng/ul

RT: 14.33 min Scan# 881

Delta R.T. 0.00 min

Lab File: BM000738.D

Acq: 20 Mar 2015 12:08

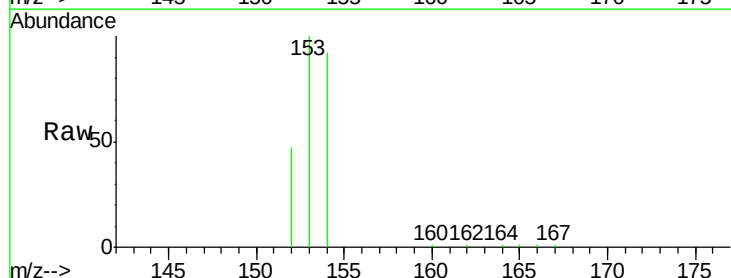
Tgt Ion:153 Resp: 6657

Ion Ratio Lower Upper

153 100

152 47.4 37.8 56.6

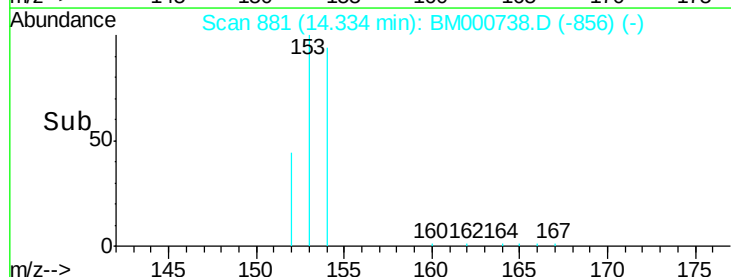
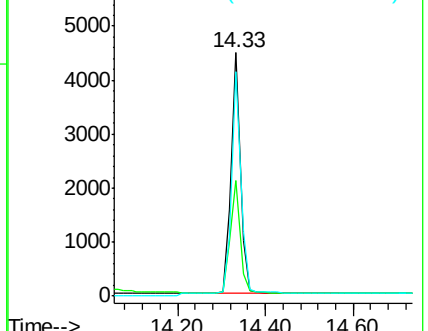
154 92.1 71.0 106.6

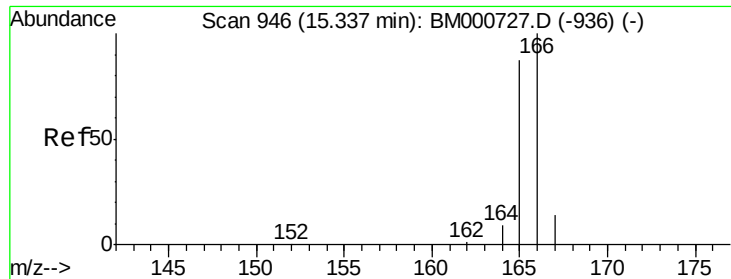


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

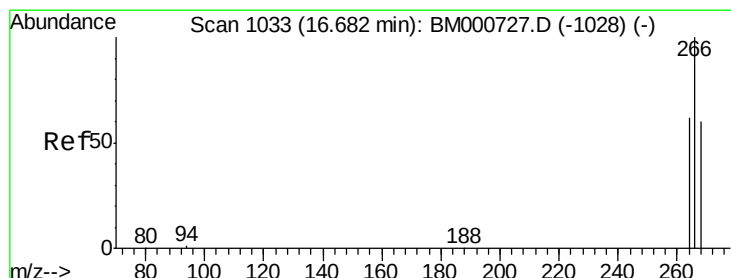
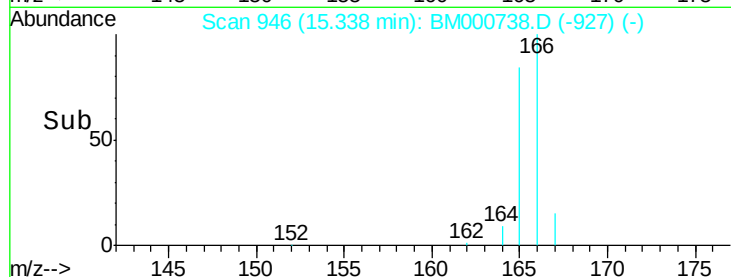
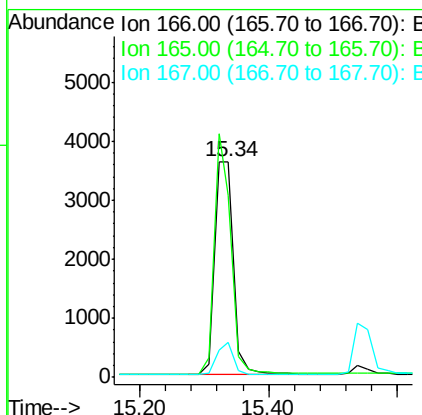
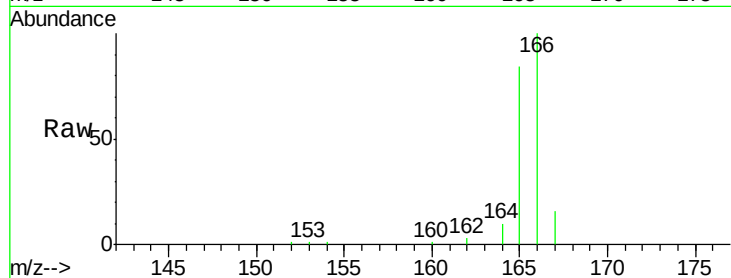




#9
Fluorene
 Concen: 0.44 ng/ul
 RT: 15.34 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: BM000738.D
 Acq: 20 Mar 2015 12:08

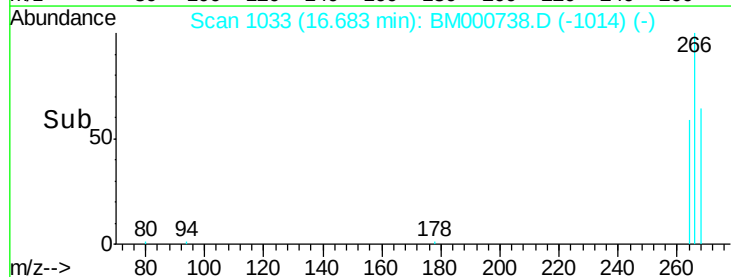
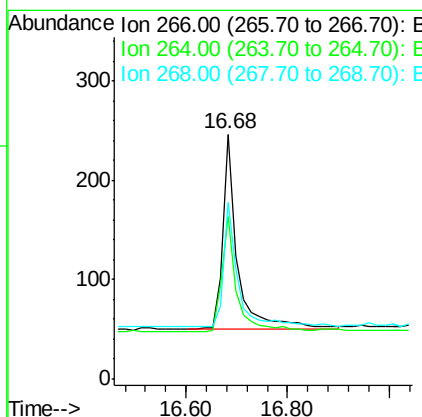
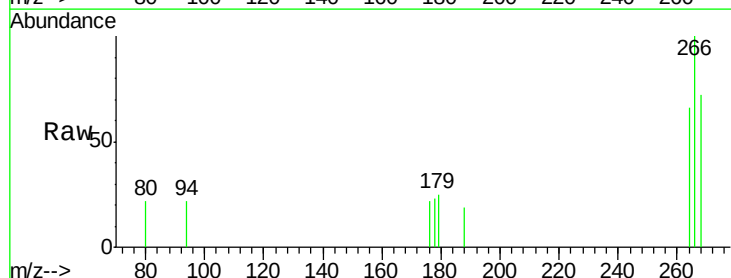
Instrument :
 BNA_M
 ClientSampleId :
 SST00.403

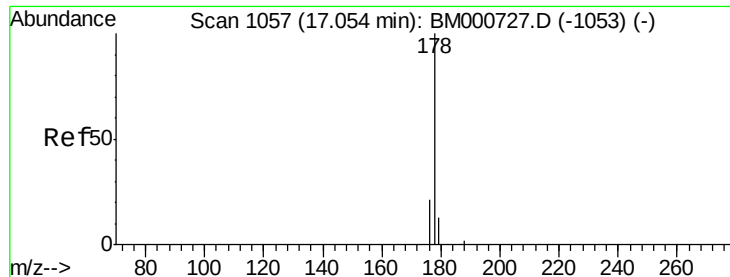
Tgt Ion:166 Resp: 7403
 Ion Ratio Lower Upper
 166 100
 165 84.2 69.8 104.6
 167 16.3 12.5 18.7



#11
Pentachlorophenol
 Concen: 0.34 ng/ul
 RT: 16.68 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BM000738.D
 Acq: 20 Mar 2015 12:08

Tgt Ion:266 Resp: 404
 Ion Ratio Lower Upper
 266 100
 264 60.4 47.8 71.8
 268 63.9 51.7 77.5





#12

Phenanthrene

Concen: 0.45 ng/ul

RT: 17.05 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BM000738.D

Acq: 20 Mar 2015 12:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.403

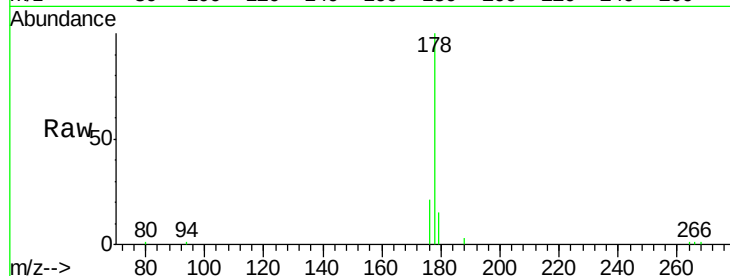
Tgt Ion:178 Resp: 11537

Ion Ratio Lower Upper

178 100

176 21.2 17.4 26.0

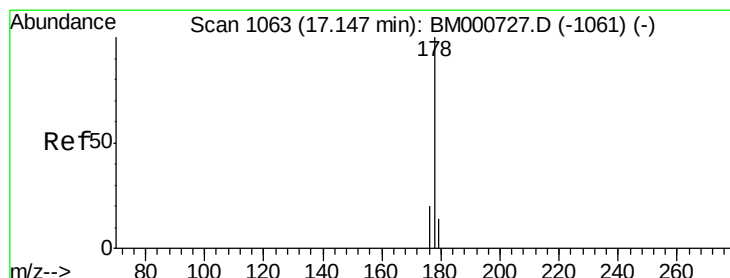
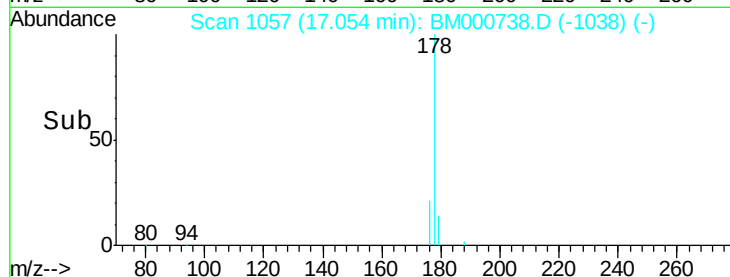
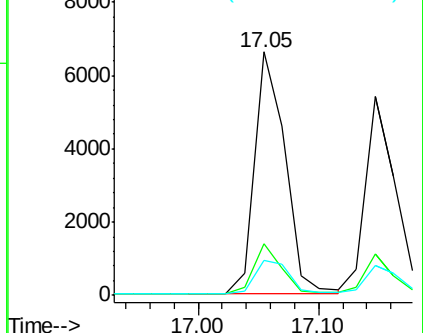
179 14.6 11.5 17.3



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



#13

Anthracene

Concen: 0.45 ng/ul

RT: 17.15 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BM000738.D

Acq: 20 Mar 2015 12:08

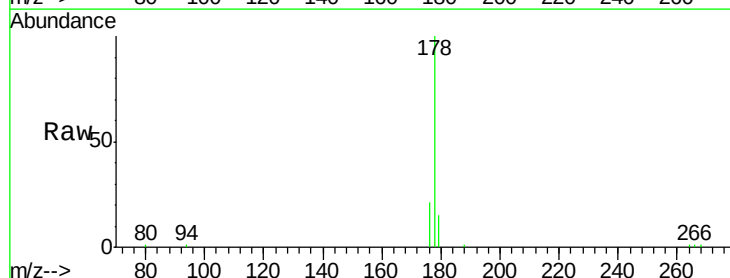
Tgt Ion:178 Resp: 9923

Ion Ratio Lower Upper

178 100

176 20.5 16.7 25.1

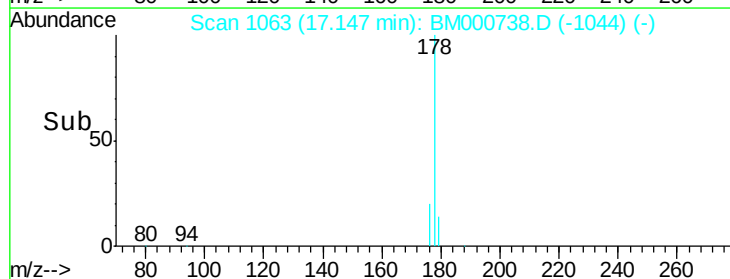
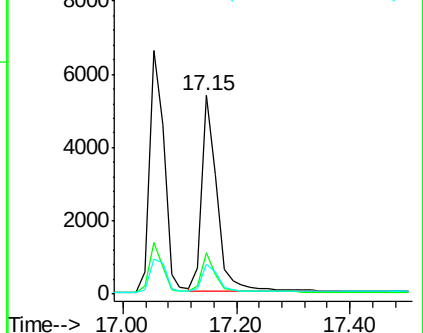
179 15.0 12.0 18.0

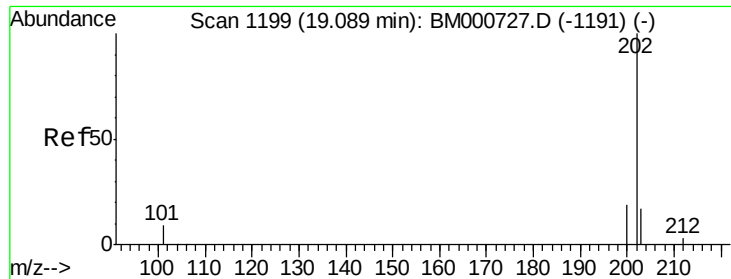


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

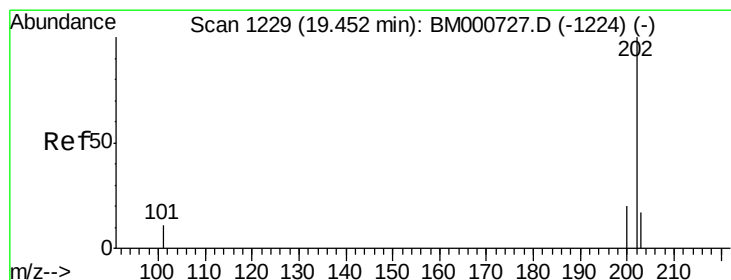
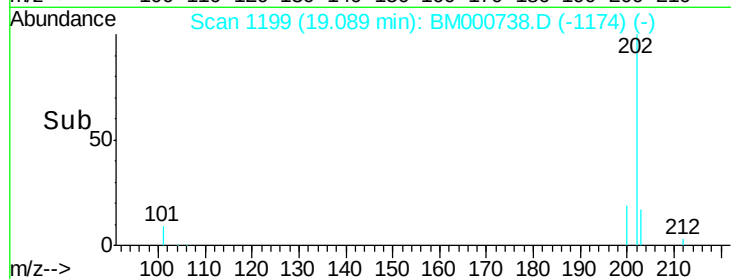
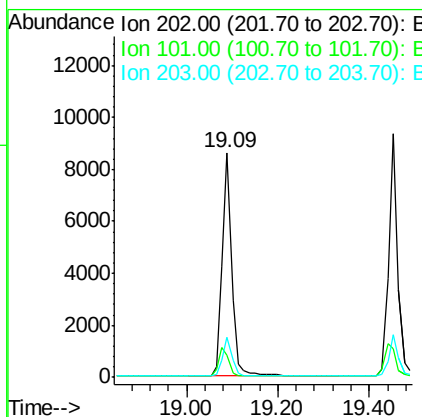
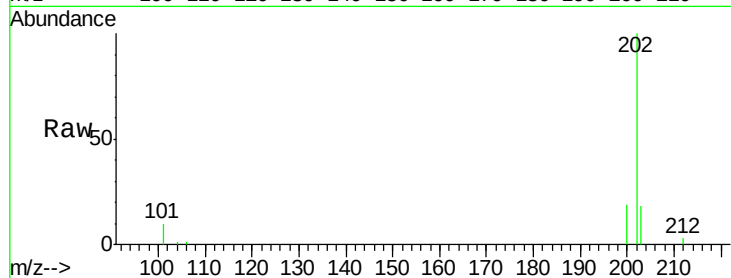




#15
Fluoranthene
 Concen: 0.45 ng/ul
 RT: 19.09 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: BM000738.D
 Acq: 20 Mar 2015 12:08

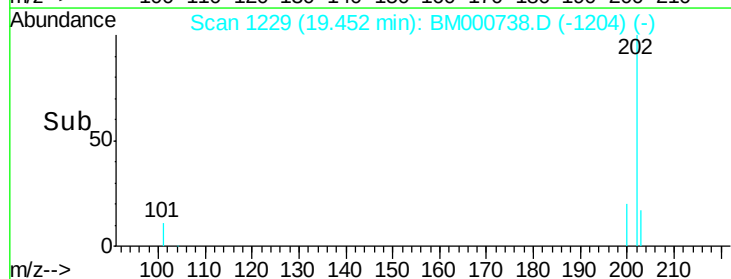
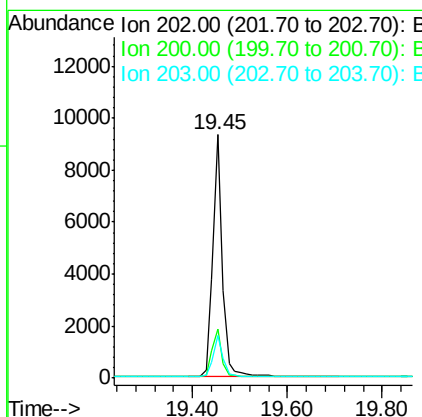
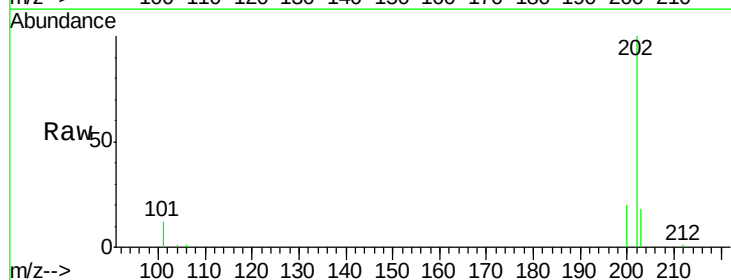
Instrument :
 BNA_M
 ClientSampleId :
 SST0.403

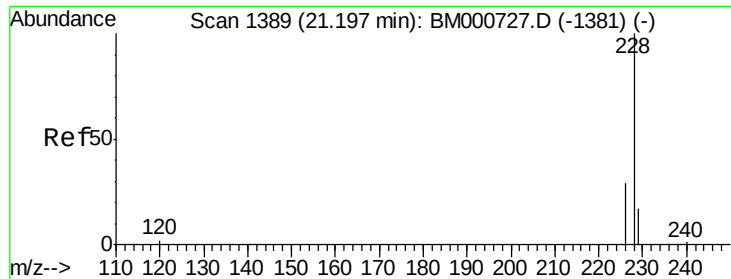
Tgt Ion:202 Resp: 12720
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 29.8
 203 17.9 0.0 37.7



#17
Pyrene
 Concen: 0.44 ng/ul
 RT: 19.45 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: BM000738.D
 Acq: 20 Mar 2015 12:08

Tgt Ion:202 Resp: 13024
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.3 24.5
 203 17.7 13.9 20.9





#18

Benzo(a)anthracene

Concen: 0.43 ng/ul

RT: 21.21 min Scan# 1390

Delta R.T. 0.01 min

Lab File: BM000738.D

Acq: 20 Mar 2015 12:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.403

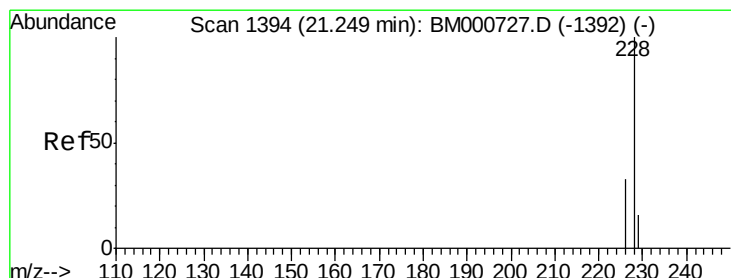
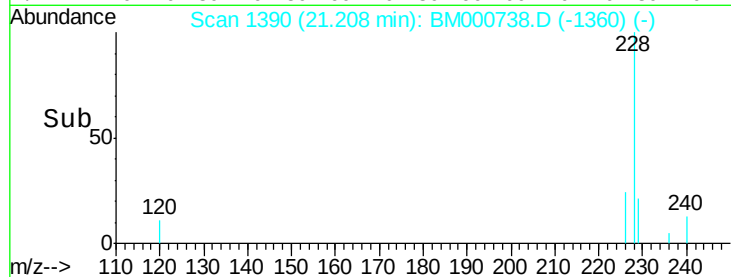
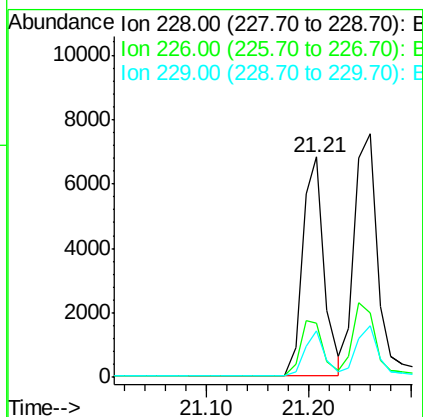
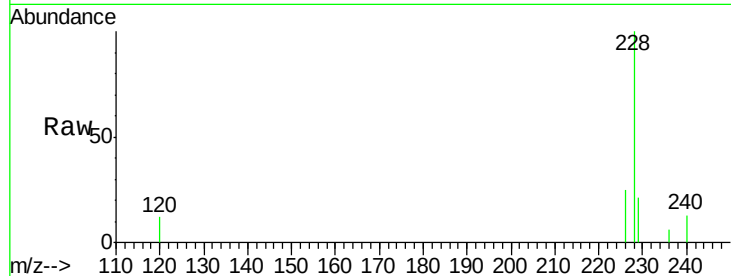
Tgt Ion:228 Resp: 10005

Ion Ratio Lower Upper

228 100

226 24.5 23.7 35.5

229 21.1 14.2 21.2



#19

Chrysene

Concen: 0.46 ng/ul

RT: 21.26 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BM000738.D

Acq: 20 Mar 2015 12:08

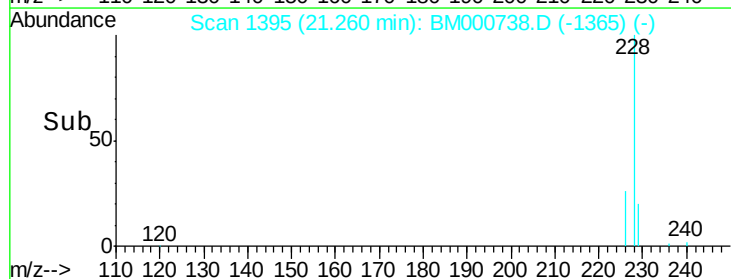
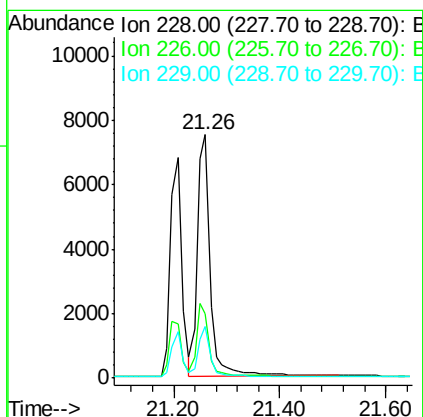
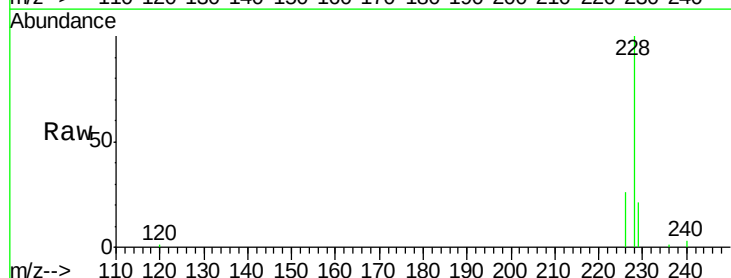
Tgt Ion:228 Resp: 12548

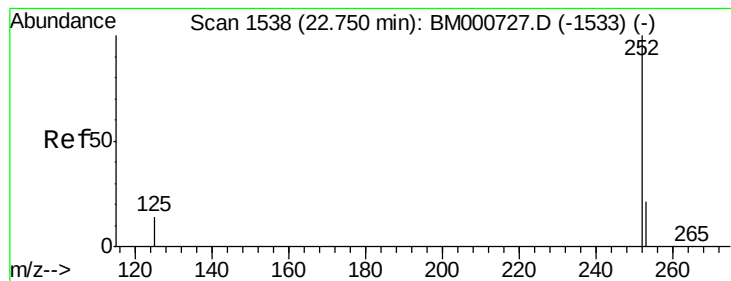
Ion Ratio Lower Upper

228 100

226 26.5 26.1 39.1

229 20.9 13.9 20.9#





#21

Benzo(b)fluoranthene

Concen: 0.45 ng/ul

RT: 22.75 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BM000738.D

Acq: 20 Mar 2015 12:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.403

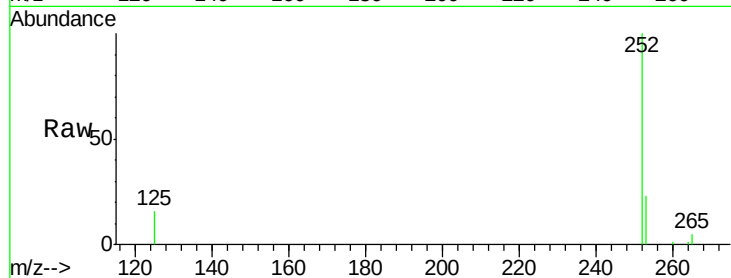
Tgt Ion:252 Resp: 11392

Ion Ratio Lower Upper

252 100

253 23.4 0.0 49.2

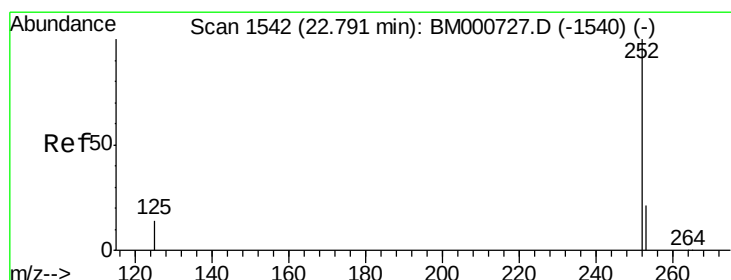
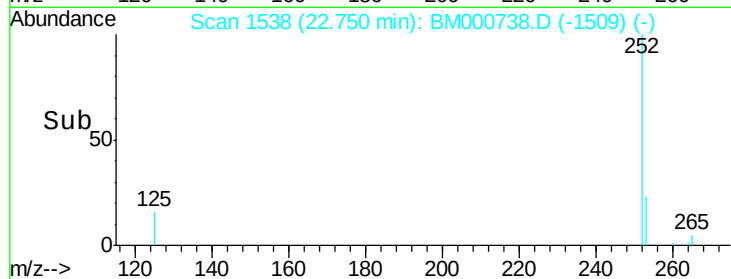
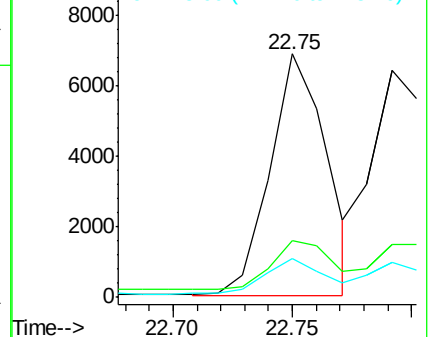
125 15.9 0.0 30.0



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: 0.48 ng/ul

RT: 22.79 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BM000738.D

Acq: 20 Mar 2015 12:08

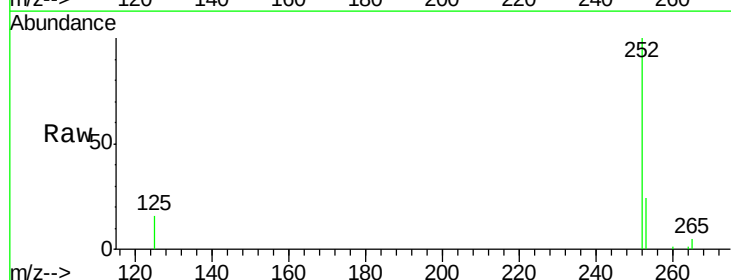
Tgt Ion:252 Resp: 12757

Ion Ratio Lower Upper

252 100

253 23.6 19.8 29.6

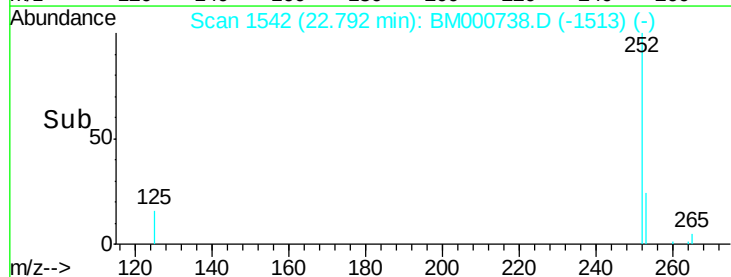
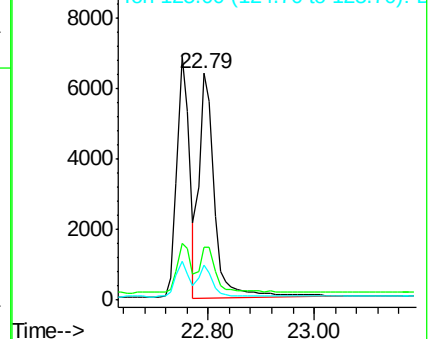
125 15.6 12.2 18.2

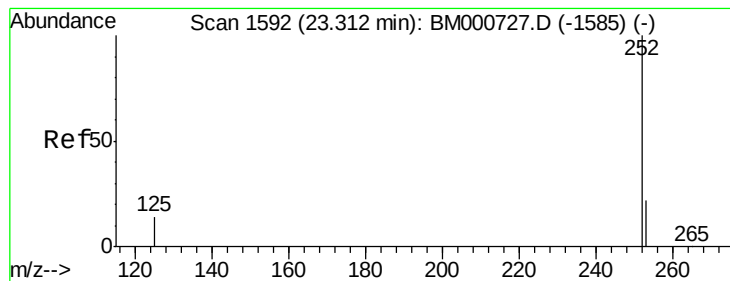


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.46 ng/ul

RT: 23.31 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BM000738.D

Acq: 20 Mar 2015 12:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.403

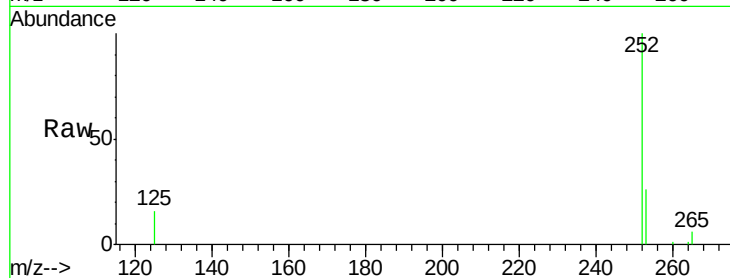
Tgt Ion:252 Resp: 10836

Ion Ratio Lower Upper

252 100

253 26.1 21.5 32.3

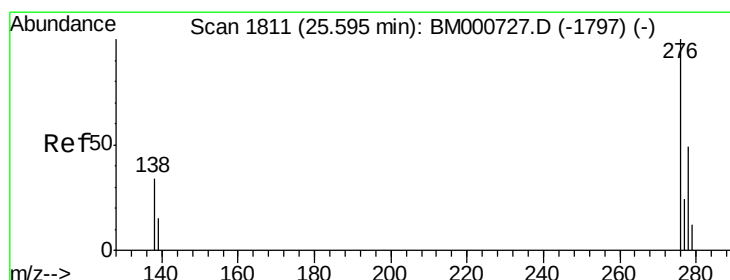
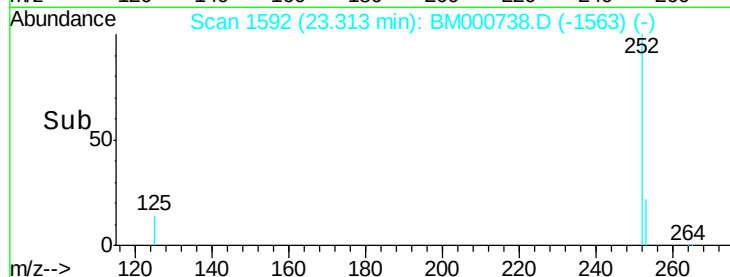
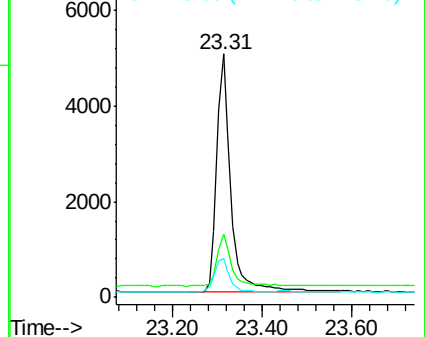
125 16.1 13.0 19.6



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: 0.46 ng/ul

RT: 25.60 min Scan# 1811

Delta R.T. 0.00 min

Lab File: BM000738.D

Acq: 20 Mar 2015 12:08

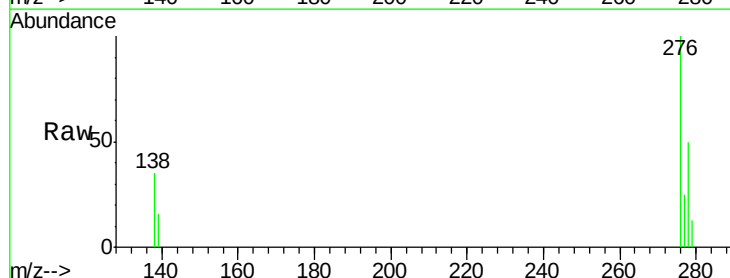
Tgt Ion:276 Resp: 12453

Ion Ratio Lower Upper

276 100

138 34.7 27.8 41.8

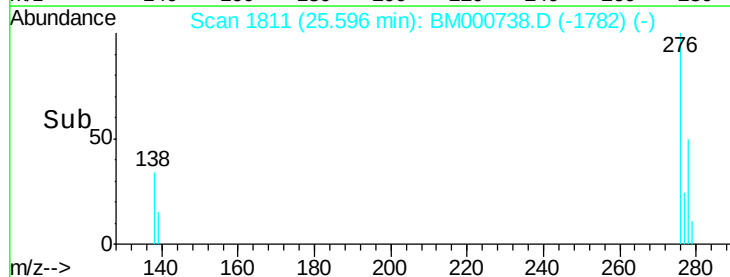
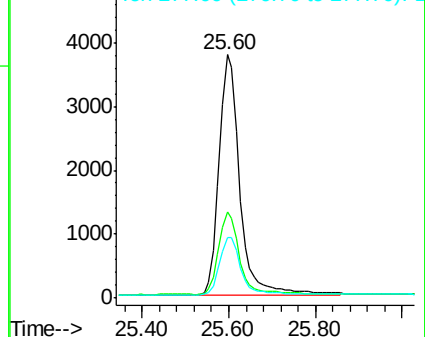
277 24.5 19.9 29.9

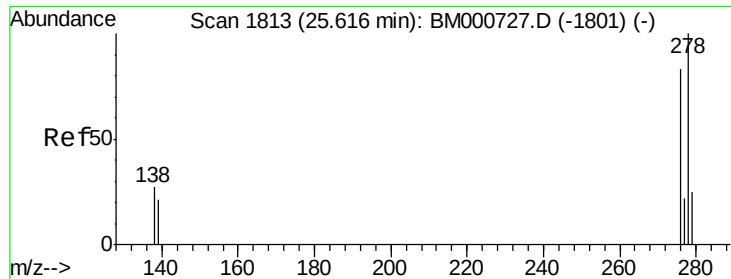


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.46 ng/ul

RT: 25.62 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BM000738.D

Acq: 20 Mar 2015 12:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.403

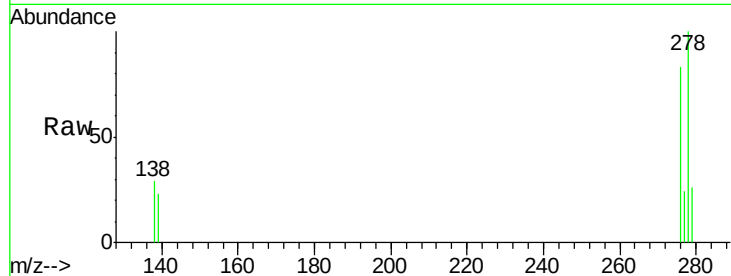
Tgt Ion:278 Resp: 10012

Ion Ratio Lower Upper

278 100

139 23.2 18.1 27.1

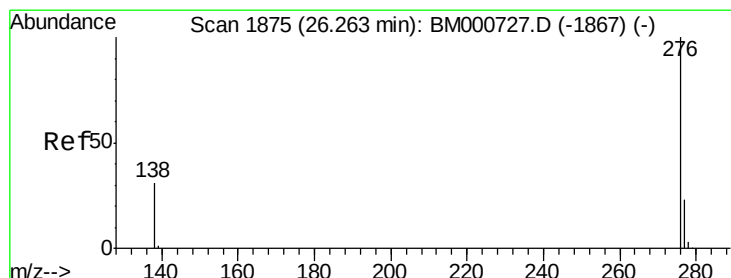
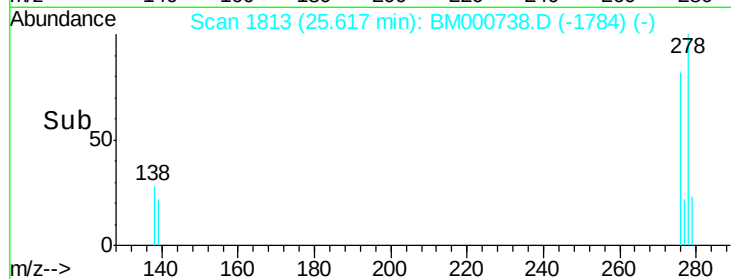
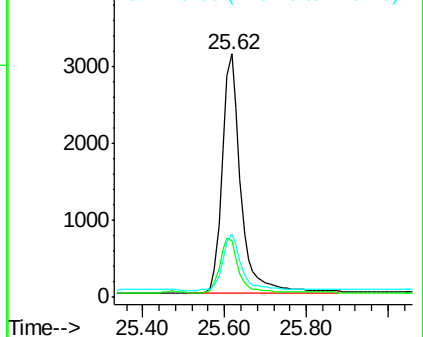
279 26.0 22.3 33.5



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: 0.46 ng/ul

RT: 26.26 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BM000738.D

Acq: 20 Mar 2015 12:08

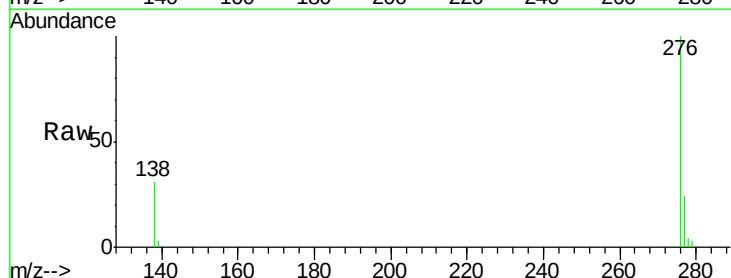
Tgt Ion:276 Resp: 11091

Ion Ratio Lower Upper

276 100

277 24.4 19.6 29.4

138 31.4 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

