

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061115\
 Data File : BM001636.D
 Acq On : 10 Jun 2015 21:33
 Operator : TP/IZ
 Sample : SSTD0.185
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.185

Quant Time: Jun 11 07:47:20 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM061115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 07:43:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	1694	0.40	ng/ul	0.00
4) Naphthalene-d8	10.48	136	5866	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.34	164	2542	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.09	188	5009	0.40	ng/ul	0.00
18) Chrysene-d12	21.27	240	3989	0.40	ng/ul	0.00
22) Perylene-d12	23.50	264	3555	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.10	96	5	0.01	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.08	152	702	0.10	ng/ul	0.00
16) Fluoranthene-d10	19.12	212	1061	0.12	ng/ul	0.00

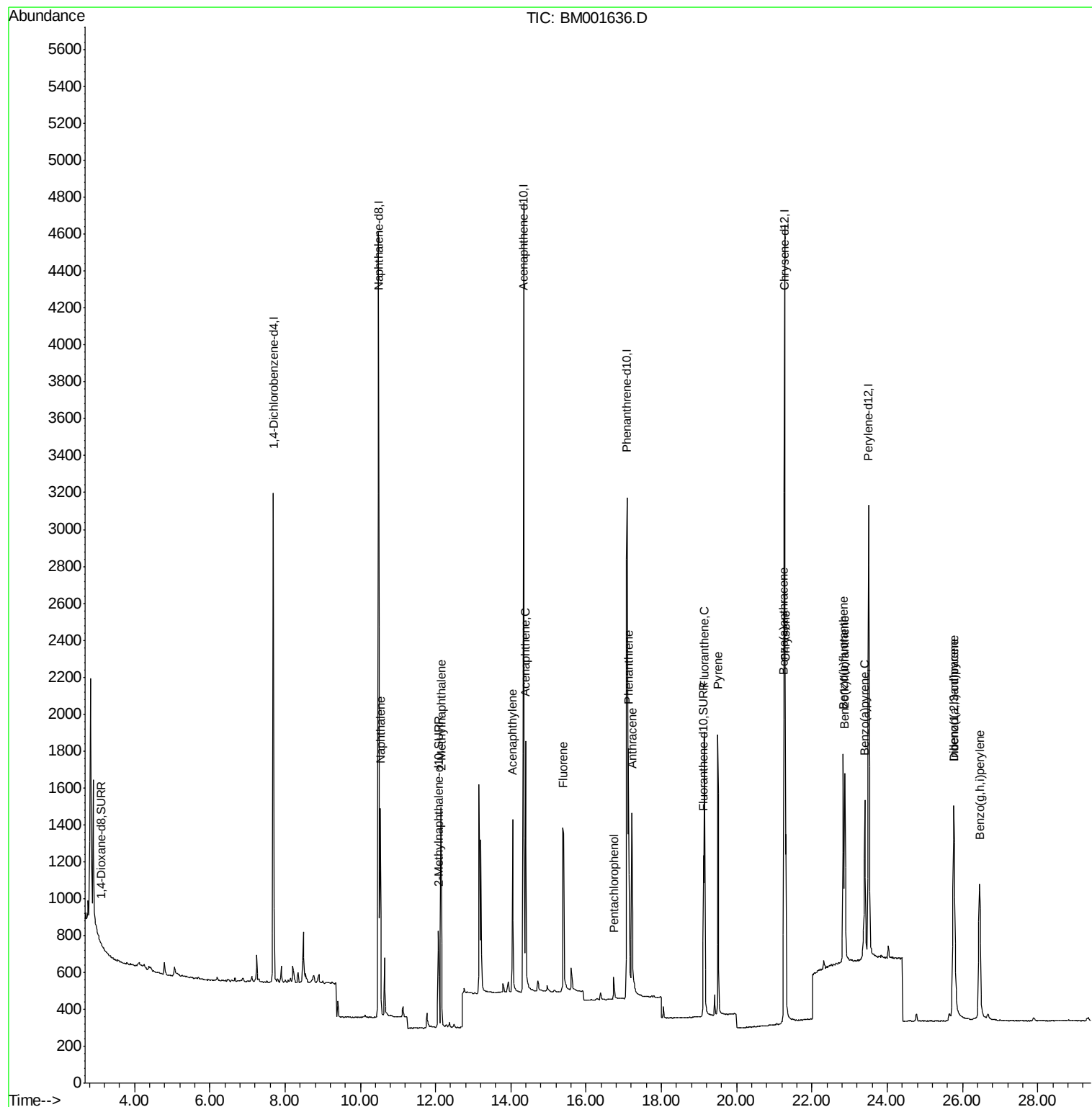
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.53	128	1573	0.11	ng/ul#	92
7) 2-Methylnaphthalene	12.15	142	966	0.10	ng/ul	100
9) Acenaphthylene	14.05	152	1226	0.10	ng/ul#	91
10) Acenaphthene	14.39	153	943	0.10	ng/ul	97
11) Fluorene	15.40	166	986	0.09	ng/ul#	80
13) Pentachlorophenol	16.74	266	113	0.18	ng/ul#	91
14) Phenanthrene	17.12	178	1462	0.10	ng/ul#	91
15) Anthracene	17.22	178	1420	0.11	ng/ul#	89
17) Fluoranthene	19.14	202	1651	0.12	ng/ul	92
19) Pyrene	19.50	202	1644	0.10	ng/ul	93
20) Benzo(a)anthracene	21.25	228	1334	0.12	ng/ul	93
21) Chrysene	21.31	228	1496	0.11	ng/ul	96
23) Benzo(b)fluoranthene	22.83	252	1490	0.12	ng/ul	83
24) Benzo(k)fluoranthene	22.87	252	1662	0.13	ng/ul#	83
25) Benzo(a)pyrene	23.40	252	1438	0.12	ng/ul#	77
26) Indeno(1,2,3-cd)pyrene	25.77	276	1820	0.14	ng/ul	98
27) Dibenzo(a,h)anthracene	25.78	278	1506	0.15	ng/ul#	85
28) Benzo(g,h,i)perylene	26.45	276	1774	0.16	ng/ul	93

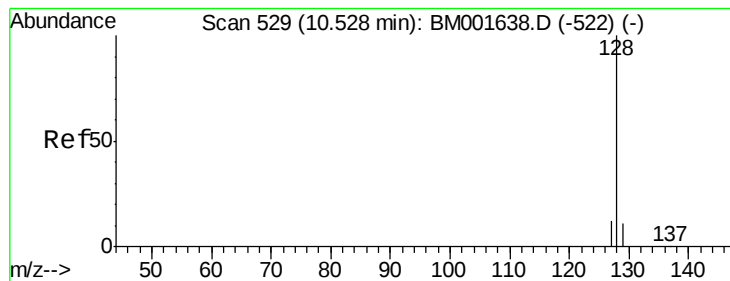
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061115\
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#5

Naphthalene

Concen: 0.11 ng/ul

RT: 10.53 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM001636.D

Acq: 10 Jun 2015 21:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.185

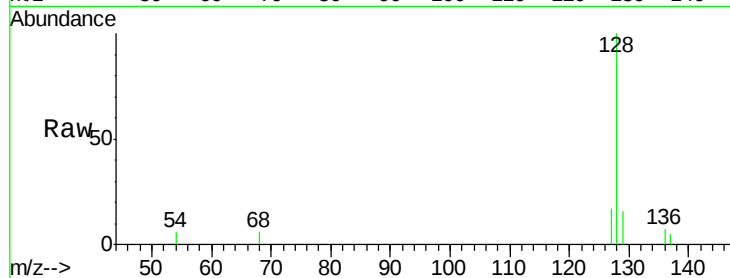
Tgt Ion:128 Resp: 1573

Ion Ratio Lower Upper

128 100

129 15.5 9.8 14.8#

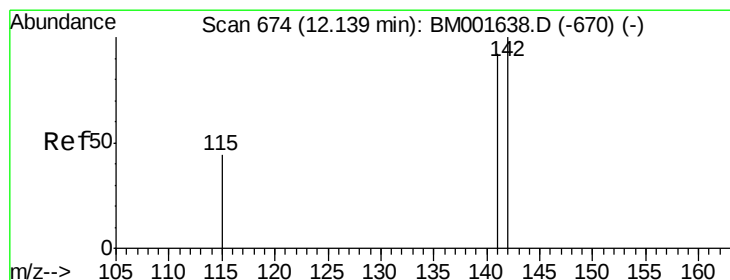
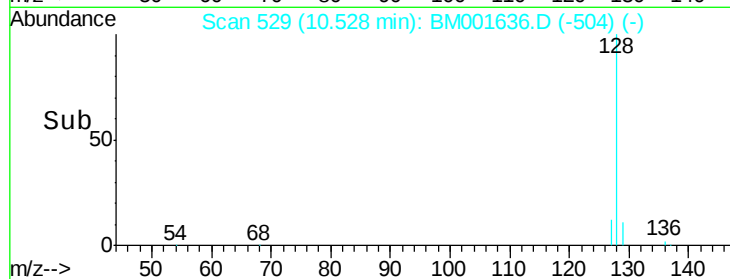
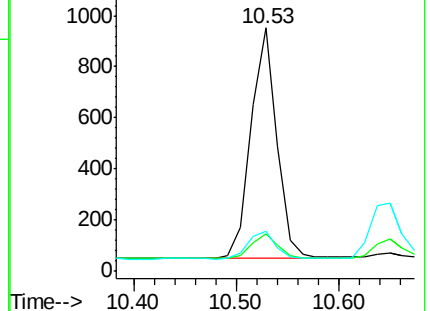
127 16.6 10.7 16.1#



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: 0.10 ng/ul

RT: 12.15 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM001636.D

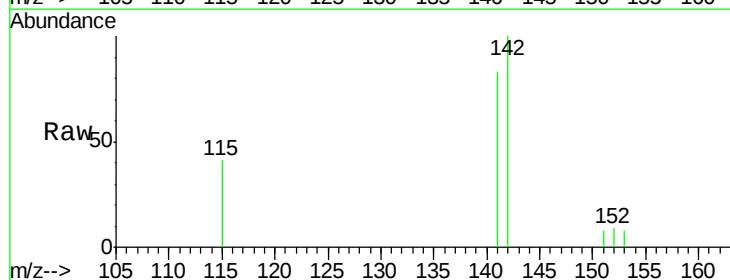
Acq: 10 Jun 2015 21:33

Tgt Ion:142 Resp: 966

Ion Ratio Lower Upper

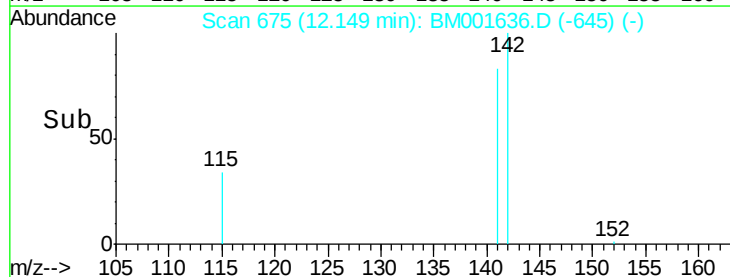
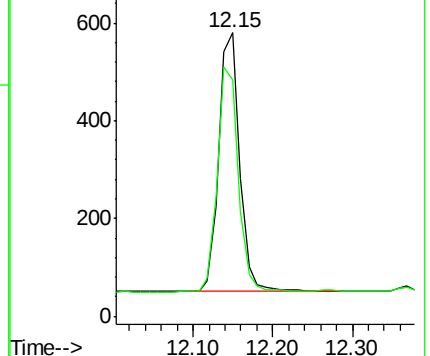
142 100

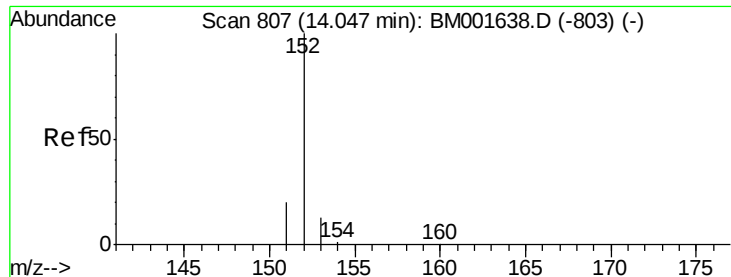
141 88.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.10 ng/ul

RT: 14.05 min Scan# 807

Delta R.T. -0.00 min

Lab File: BM001636.D

Acq: 10 Jun 2015 21:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.185

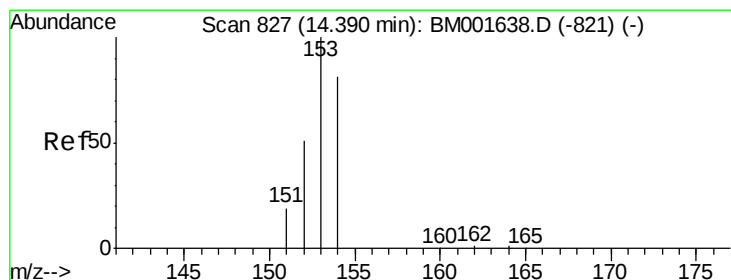
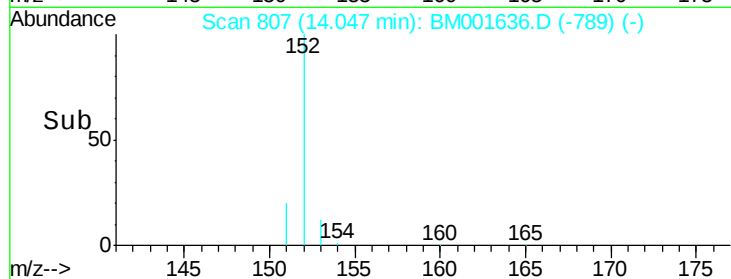
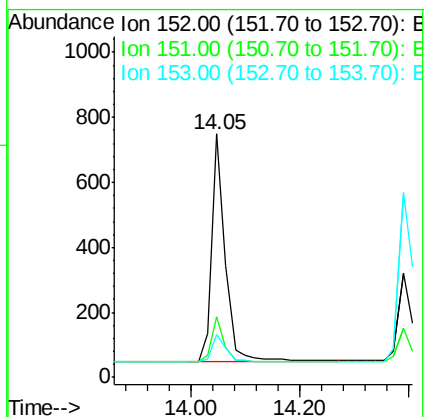
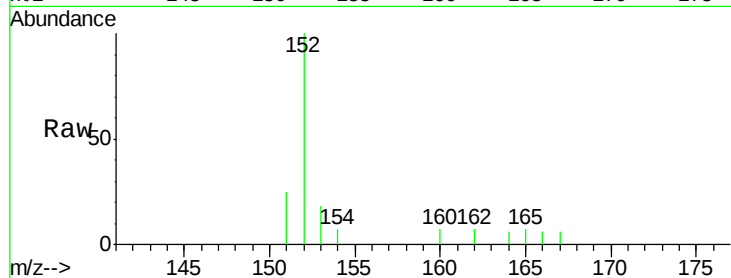
Tgt Ion:152 Resp: 1226

Ion Ratio Lower Upper

152 100

151 25.1 16.8 25.2

153 17.8 11.3 16.9#



#10

Acenaphthene

Concen: 0.10 ng/ul

RT: 14.39 min Scan# 827

Delta R.T. -0.00 min

Lab File: BM001636.D

Acq: 10 Jun 2015 21:33

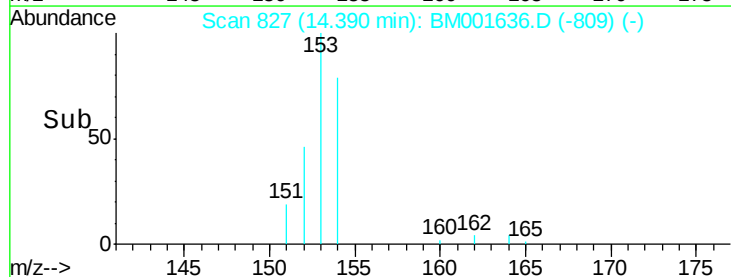
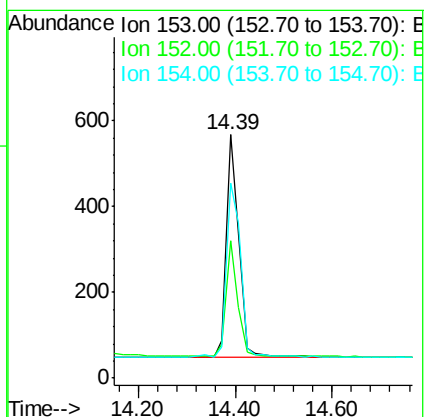
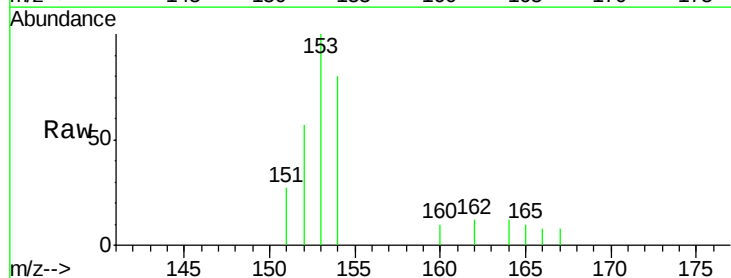
Tgt Ion:153 Resp: 943

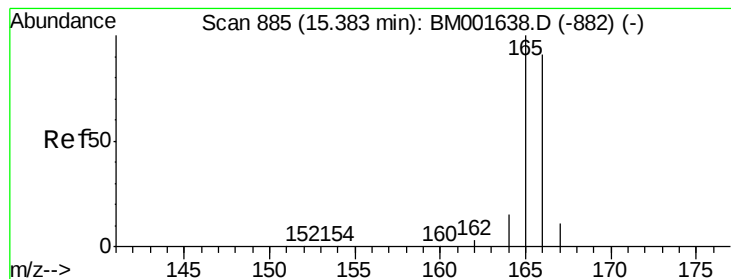
Ion Ratio Lower Upper

153 100

152 56.5 42.3 63.5

154 80.1 64.7 97.1





#11

Fluorene

Concen: 0.09 ng/ul

RT: 15.40 min Scan# 886

Delta R.T. 0.02 min

Lab File: BM001636.D

Acq: 10 Jun 2015 21:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.185

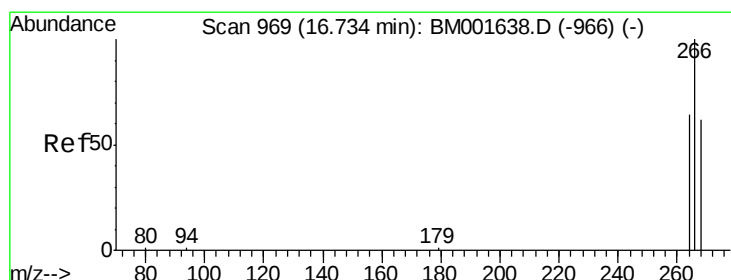
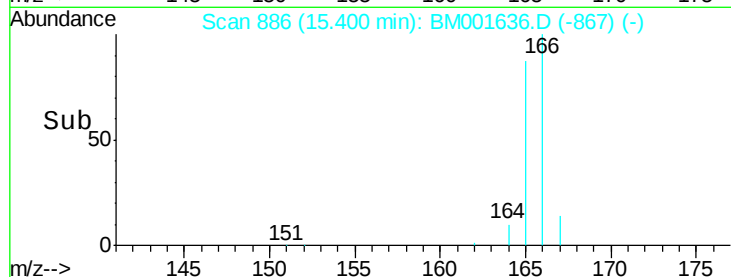
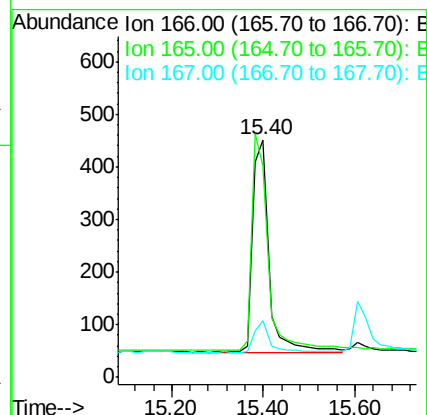
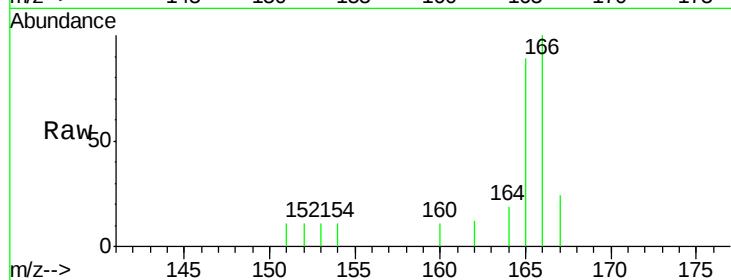
Tgt Ion:166 Resp: 986

Ion Ratio Lower Upper

166 100

165 89.2 87.6 131.4

167 23.7 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.18 ng/ul

RT: 16.74 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM001636.D

Acq: 10 Jun 2015 21:33

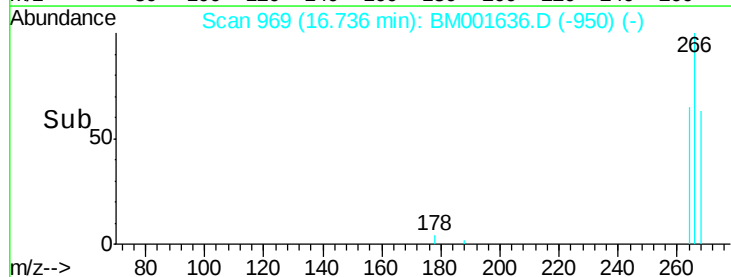
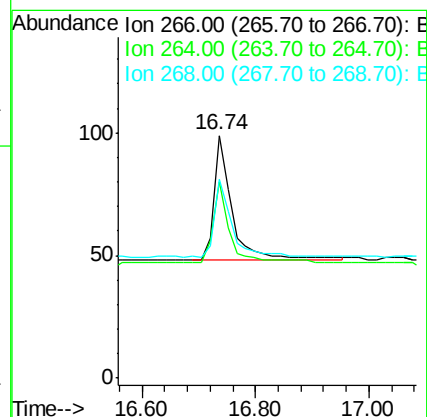
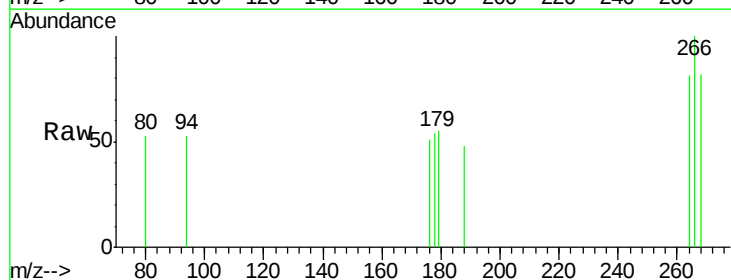
Tgt Ion:266 Resp: 113

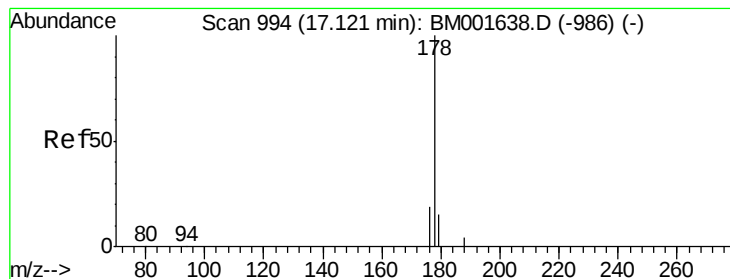
Ion Ratio Lower Upper

266 100

264 81.4 53.5 80.3#

268 68.1 54.2 81.2





#14

Phenanthrene

Concen: 0.10 ng/ul

RT: 17.12 min Scan# 994

Delta R.T. 0.00 min

Lab File: BM001636.D

Acq: 10 Jun 2015 21:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.185

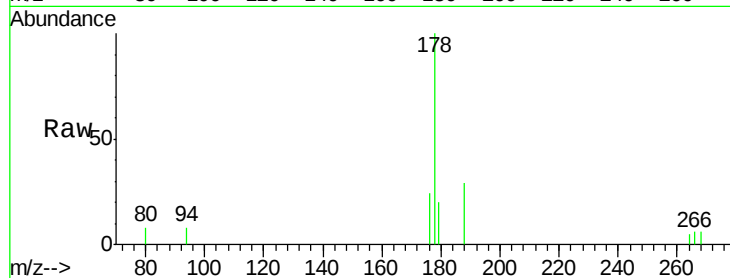
Tgt Ion:178 Resp: 1462

Ion Ratio Lower Upper

178 100

176 24.1 16.2 24.4

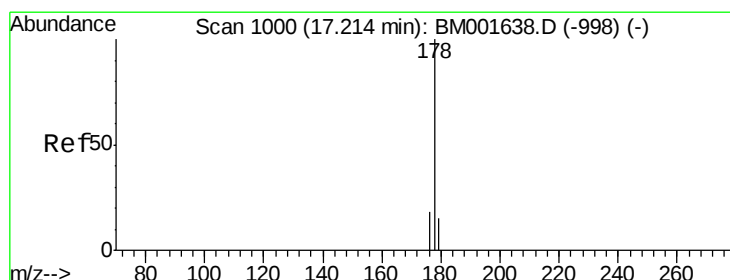
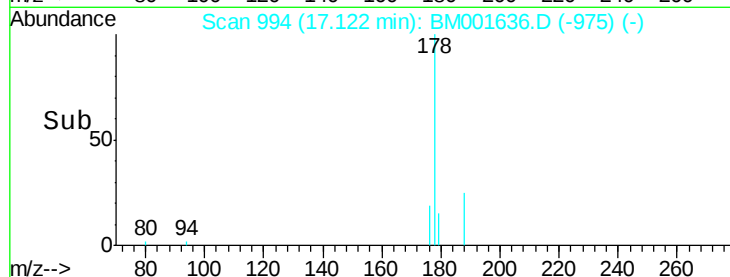
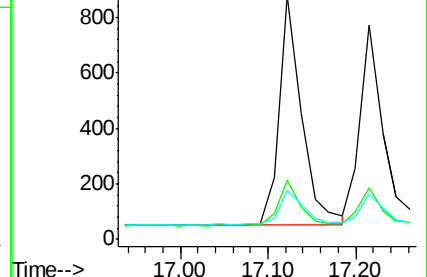
179 19.9 12.8 19.2#



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: 0.11 ng/ul

RT: 17.22 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BM001636.D

Acq: 10 Jun 2015 21:33

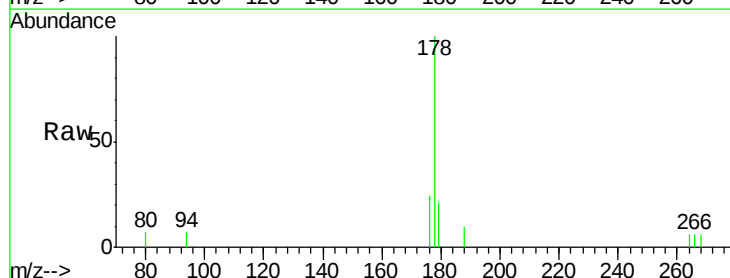
Tgt Ion:178 Resp: 1420

Ion Ratio Lower Upper

178 100

176 24.4 15.8 23.8#

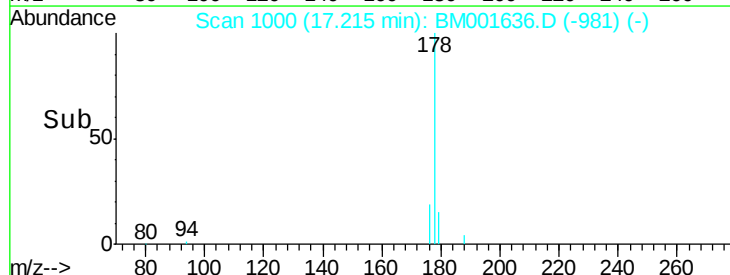
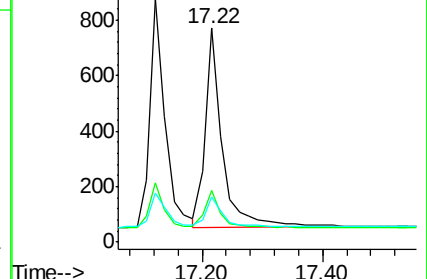
179 21.4 13.3 19.9#

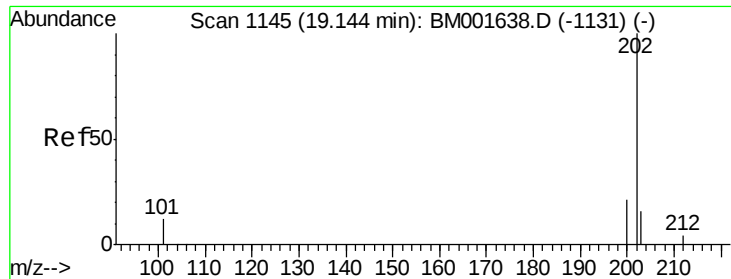


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

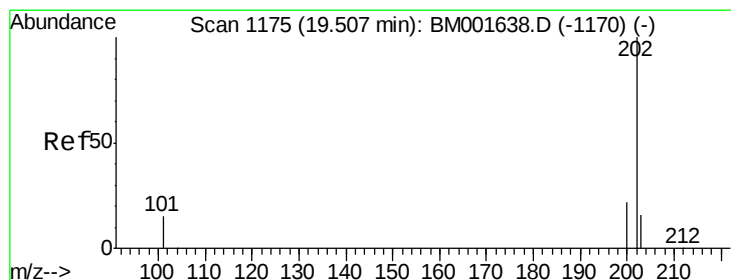
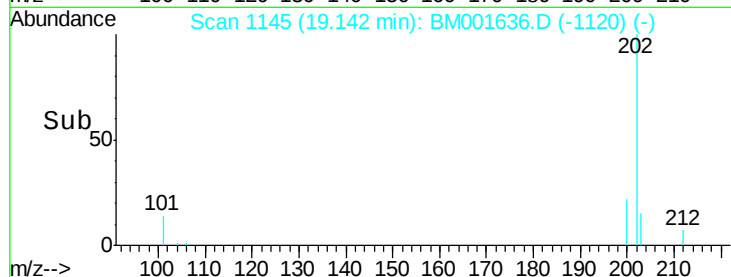
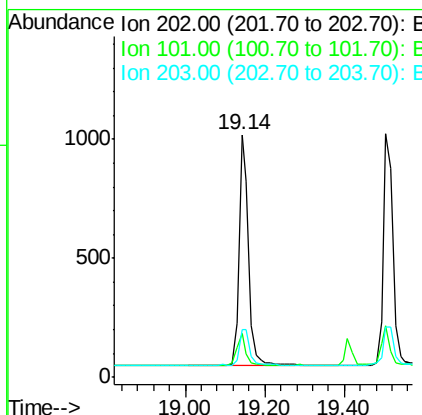
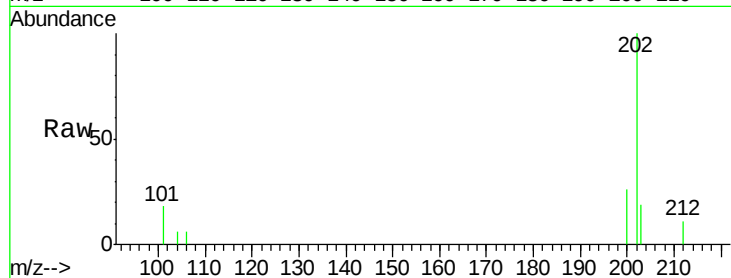




#17
Fluoranthene
 Concen: 0.12 ng/ul
 RT: 19.14 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: BM001636.D
 Acq: 10 Jun 2015 21:33

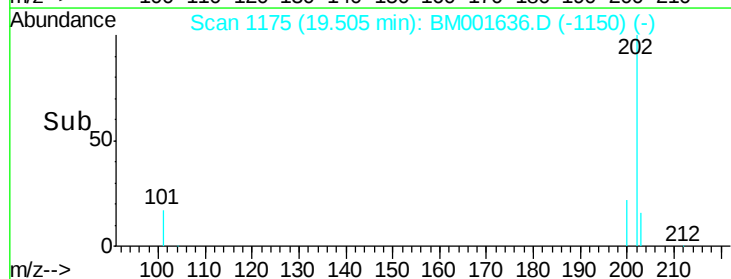
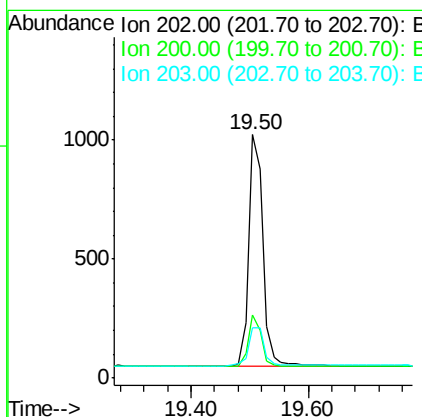
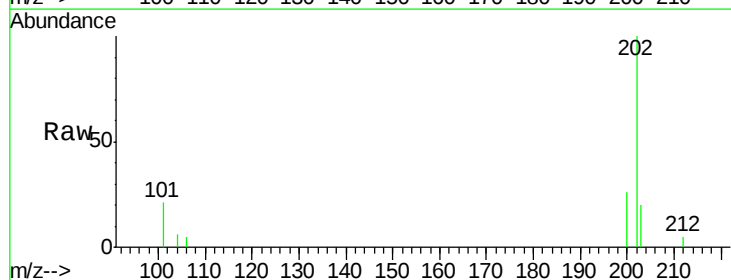
Instrument :
 BNA_M
 ClientSampleId :
 SST0.185

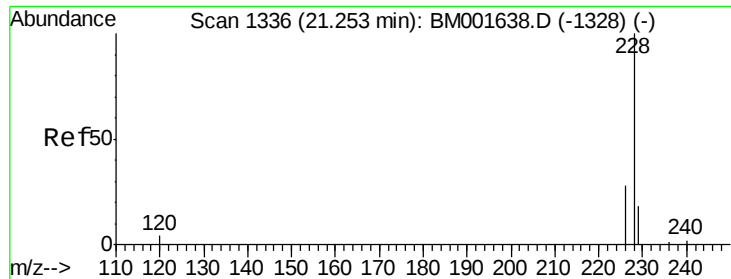
Tgt Ion: 202 Resp: 1651
 Ion Ratio Lower Upper
 202 100
 101 18.0 0.0 33.1
 203 19.4 0.0 37.2



#19
Pyrene
 Concen: 0.10 ng/ul
 RT: 19.50 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BM001636.D
 Acq: 10 Jun 2015 21:33

Tgt Ion: 202 Resp: 1644
 Ion Ratio Lower Upper
 202 100
 200 26.0 18.0 27.0
 203 20.4 13.8 20.6





#20

Benzo(a)anthracene

Concen: 0.12 ng/ul

RT: 21.25 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BM001636.D

Acq: 10 Jun 2015 21:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.185

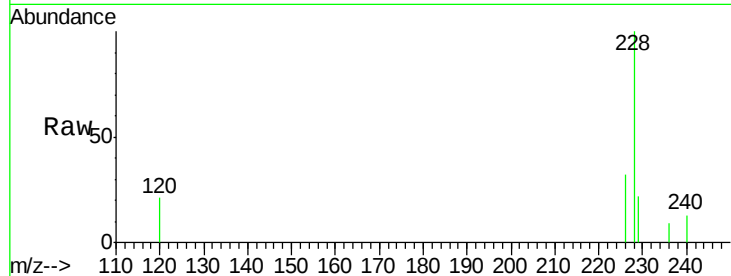
Tgt Ion:228 Resp: 1334

Ion Ratio Lower Upper

228 100

226 32.1 23.0 34.4

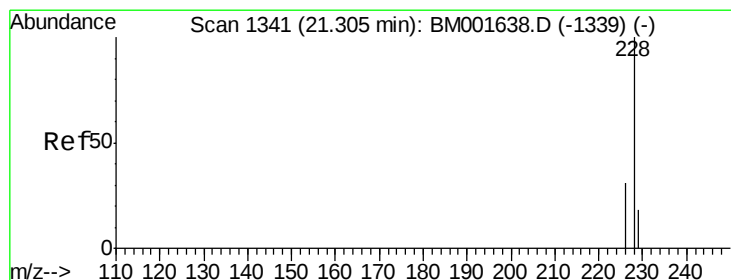
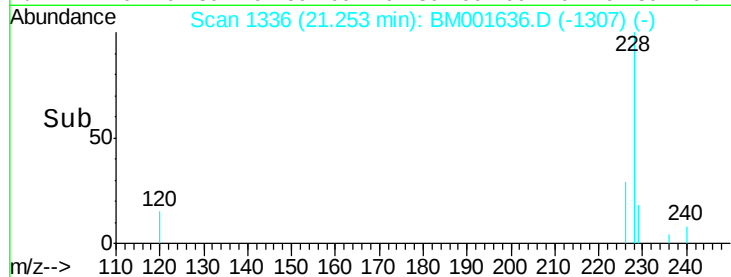
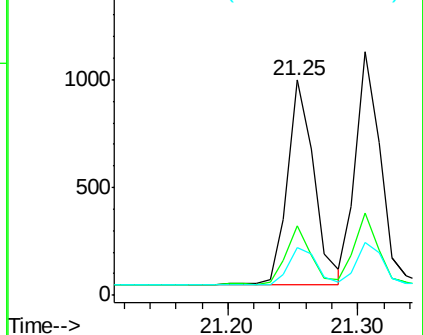
229 22.3 15.2 22.8



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: 0.11 ng/ul

RT: 21.31 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM001636.D

Acq: 10 Jun 2015 21:33

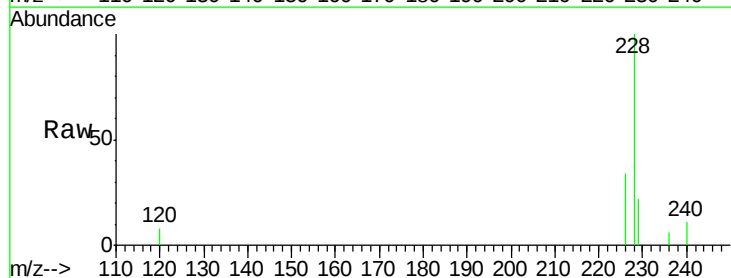
Tgt Ion:228 Resp: 1496

Ion Ratio Lower Upper

228 100

226 33.7 25.7 38.5

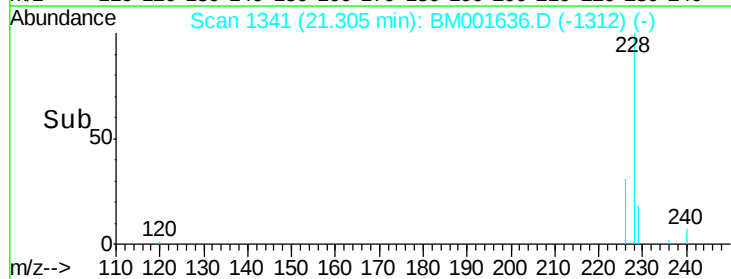
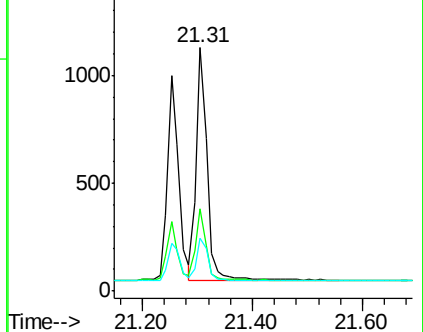
229 21.7 15.2 22.8

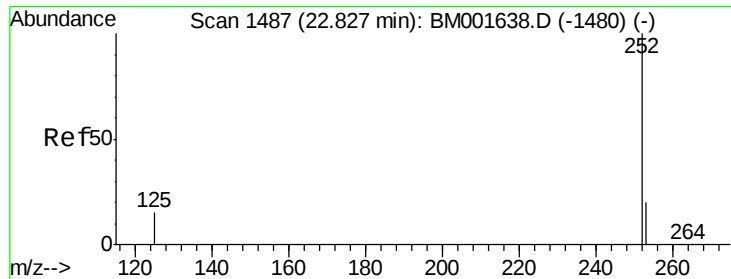


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.12 ng/ul

RT: 22.83 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BM001636.D

Acq: 10 Jun 2015 21:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.185

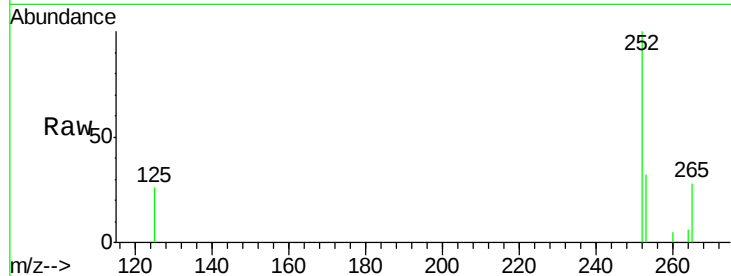
Tgt Ion:252 Resp: 1490

Ion Ratio Lower Upper

252 100

253 32.0 0.0 48.0

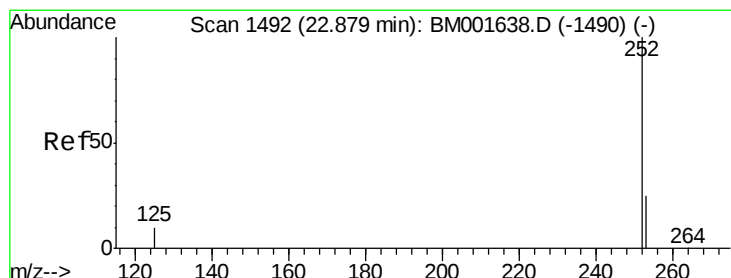
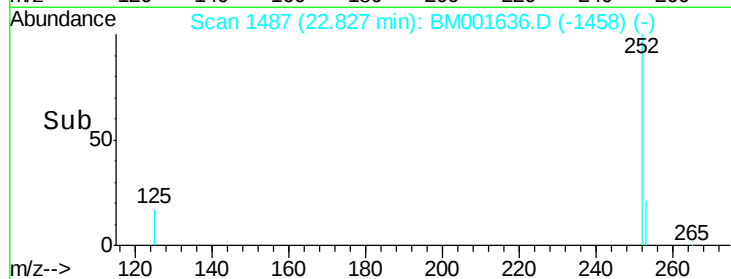
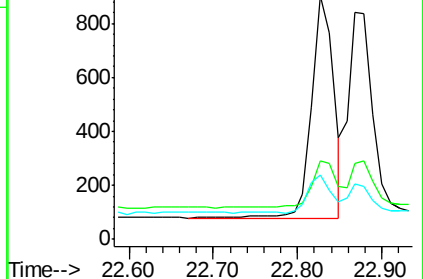
125 26.5 0.0 36.6



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

Benzo(k)fluoranthene

Concen: 0.13 ng/ul

RT: 22.87 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BM001636.D

Acq: 10 Jun 2015 21:33

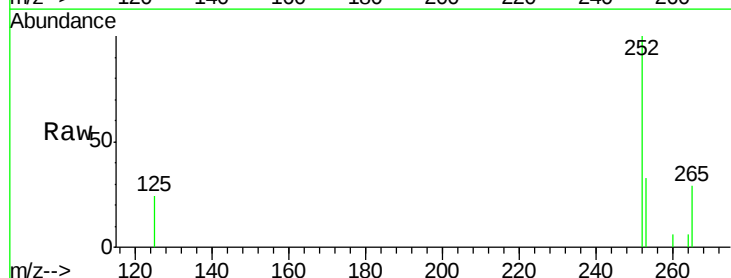
Tgt Ion:252 Resp: 1662

Ion Ratio Lower Upper

252 100

253 33.2 20.8 31.2#

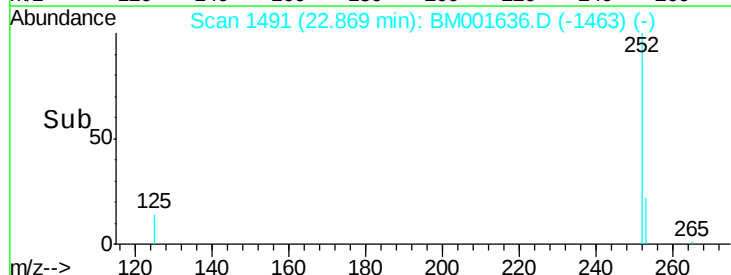
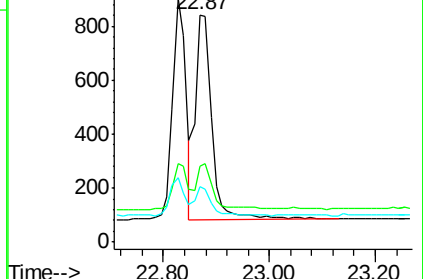
125 24.2 12.2 18.4#

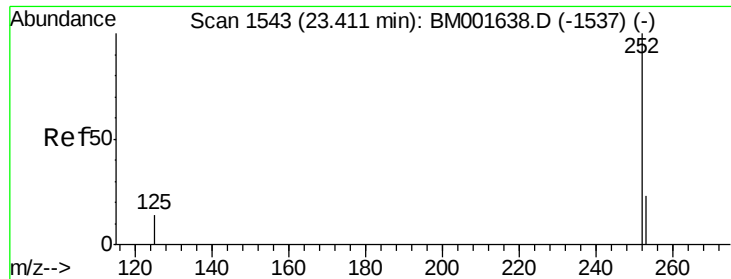


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.12 ng/ul

RT: 23.40 min Scan# 1542

Delta R.T. -0.01 min

Lab File: BM001636.D

Acq: 10 Jun 2015 21:33

Instrument :

BNA_M

ClientSampleId :

SSTD0.185

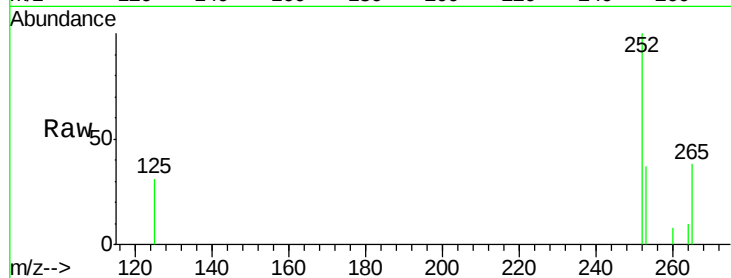
Tgt Ion: 252 Resp: 1438

Ion Ratio Lower Upper

252 100

253 37.0 21.8 32.8#

125 31.0 14.5 21.7#



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

23.40

800

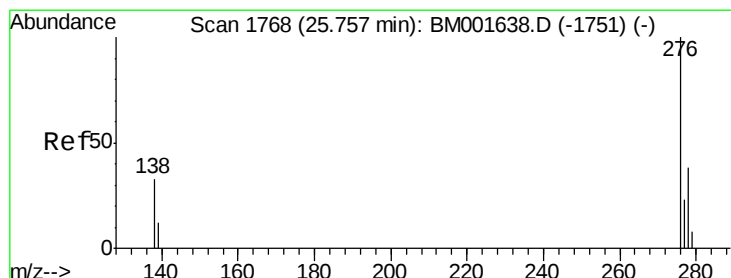
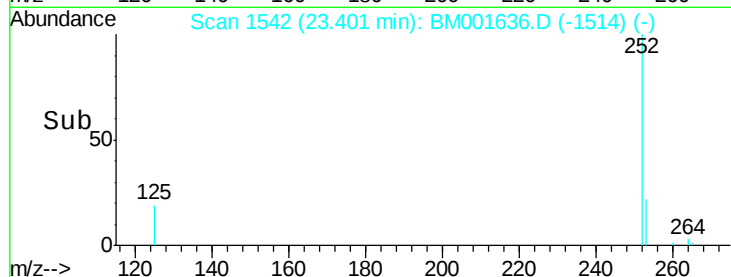
600

400

200

0

Time-->



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.14 ng/ul

RT: 25.77 min Scan# 1769

Delta R.T. 0.01 min

Lab File: BM001636.D

Acq: 10 Jun 2015 21:33

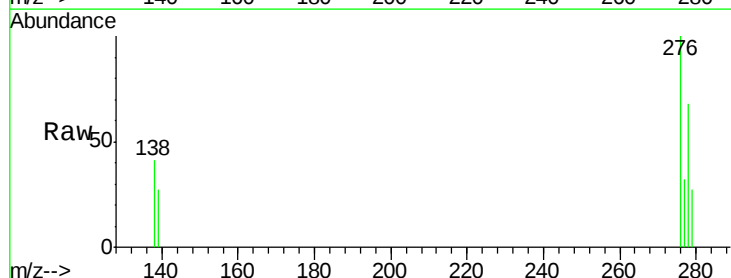
Tgt Ion: 276 Resp: 1820

Ion Ratio Lower Upper

276 100

138 32.3 27.5 41.3

277 24.3 19.3 28.9



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

25.77

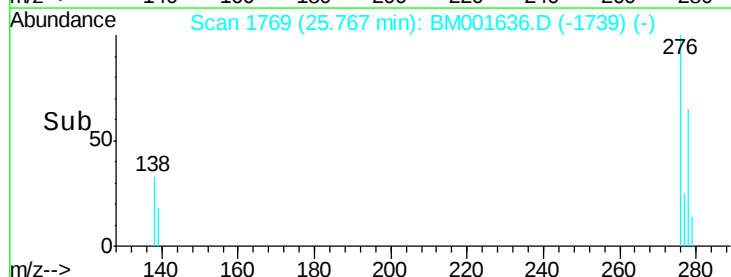
600

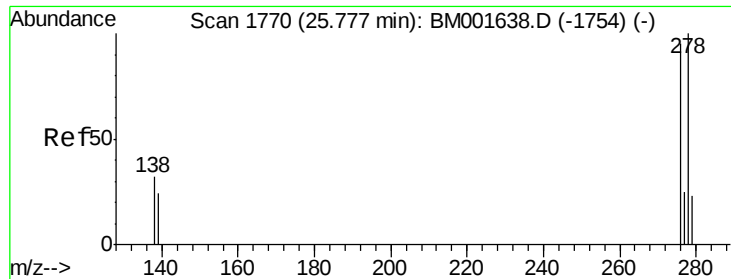
400

200

0

Time-->



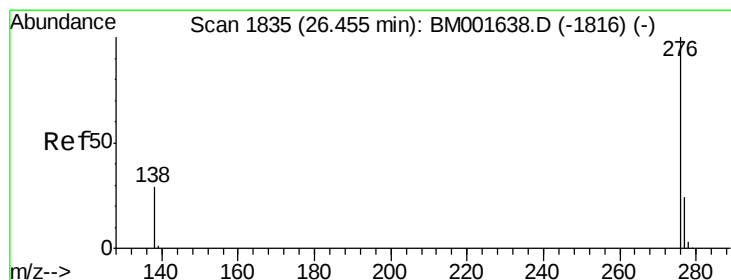
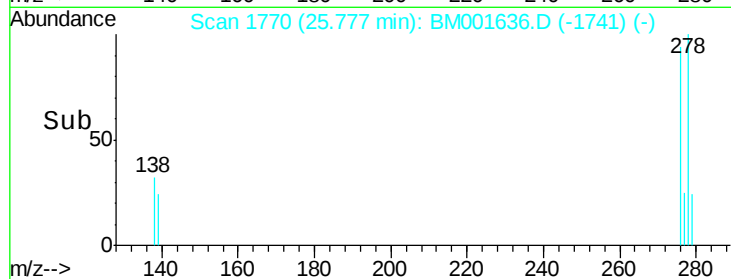
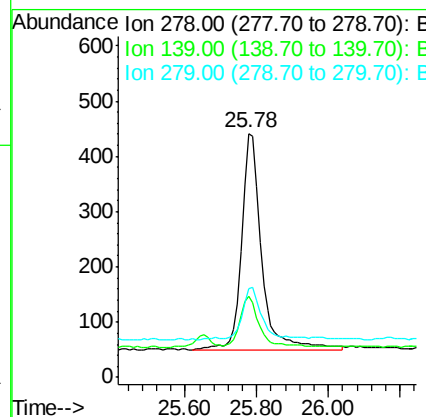
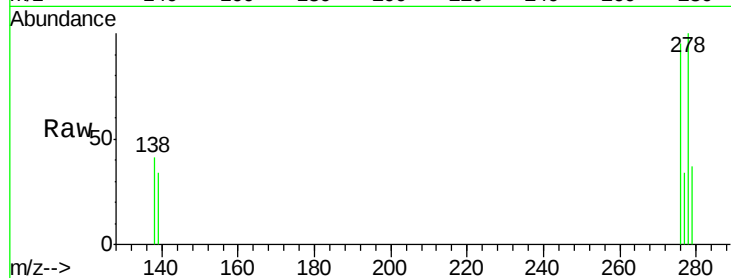


#27
Dibenzo(a,h)anthracene
Concen: 0.15 ng/ul
RT: 25.78 min Scan# 1770
Delta R.T. -0.00 min
Lab File: BM001636.D
Acq: 10 Jun 2015 21:33

Instrument :
BNA_M
ClientSampleId :
SSTD0.185

Tgt Ion: 278 Resp: 1506

Ion	Ratio	Lower	Upper
278	100		
139	33.6	21.7	32.5#
279	36.5	21.9	32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.16 ng/ul
RT: 26.45 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BM001636.D
Acq: 10 Jun 2015 21:33

Tgt Ion: 276 Resp: 1774

Ion	Ratio	Lower	Upper
276	100		
277	30.7	21.3	31.9
138	35.2	25.5	38.3

