

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061115\
 Data File : BM001639.D
 Acq On : 10 Jun 2015 23:21
 Operator : TP/IZ
 Sample : SSTD0.888
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.888

Quant Time: Jun 11 07:47:49 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	1651	0.40	ng/ul	0.00
4) Naphthalene-d8	10.48	136	5727	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.34	164	2534	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.08	188	4975	0.40	ng/ul	-0.01
18) Chrysene-d12	21.27	240	4031	0.40	ng/ul	0.00
22) Perylene-d12	23.50	264	3369	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.06	96	12	0.01	ng/uL	-0.05
6) 2-Methylnaphthalene-d10	12.08	152	5528	0.81	ng/ul	0.00
16) Fluoranthene-d10	19.12	212	8154	0.91	ng/ul	0.00

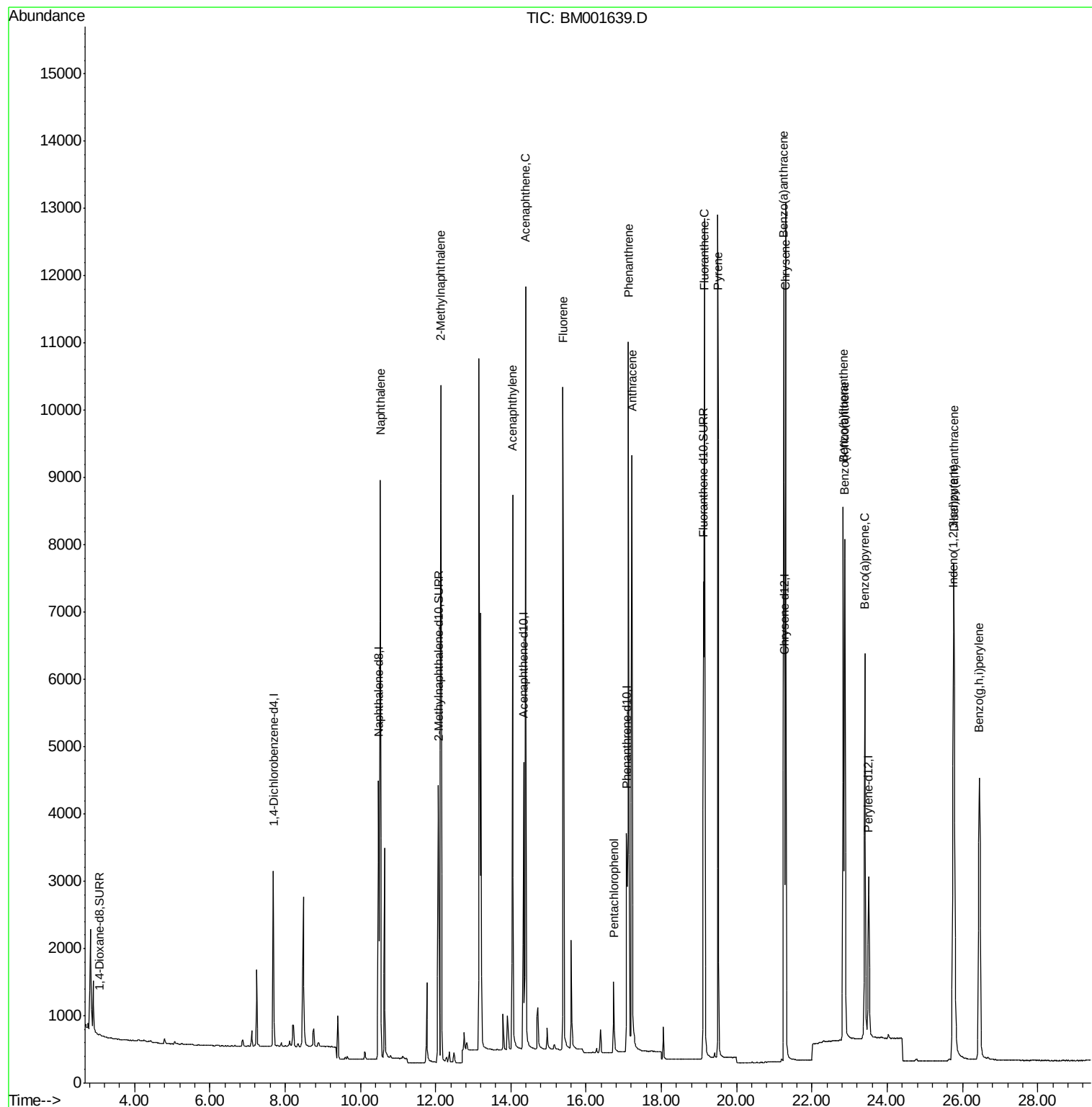
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.53	128	12059	0.83	ng/ul	98
7) 2-Methylnaphthalene	12.14	142	7526	0.80	ng/ul	100
9) Acenaphthylene	14.05	152	9921	0.82	ng/ul	98
10) Acenaphthene	14.39	153	7323	0.77	ng/ul	100
11) Fluorene	15.38	166	7980	0.77	ng/ul	98
13) Pentachlorophenol	16.74	266	866	1.42	ng/ul	95
14) Phenanthrene	17.12	178	11676	0.83	ng/ul	98
15) Anthracene	17.22	178	11302	0.90	ng/ul	98
17) Fluoranthene	19.14	202	12486	0.88	ng/ul	98
19) Pyrene	19.50	202	12705	0.77	ng/ul	99
20) Benzo(a)anthracene	21.25	228	10283	0.89	ng/ul	99
21) Chrysene	21.31	228	10758	0.81	ng/ul	99
23) Benzo(b)fluoranthene	22.83	252	9914	0.84	ng/ul	96
24) Benzo(k)fluoranthene	22.87	252	10227	0.83	ng/ul	95
25) Benzo(a)pyrene	23.41	252	9207	0.82	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.76	276	9901	0.83	ng/ul	99
27) Dibenzo(a,h)anthracene	25.78	278	7900	0.83	ng/ul	96
28) Benzo(g,h,i)perylene	26.44	276	8883	0.84	ng/ul	97

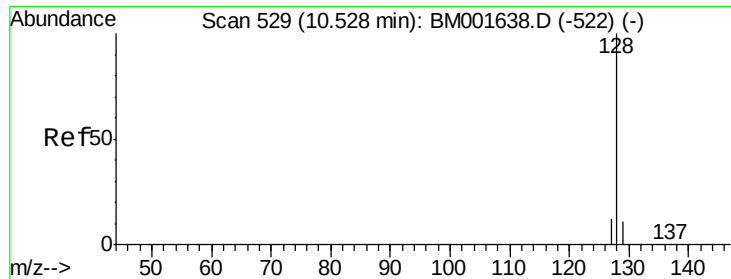
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 11 07:47:49 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM061115.M
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#5

Naphthalene

Concen: 0.83 ng/ul

RT: 10.53 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM001639.D

Acq: 10 Jun 2015 23:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.888

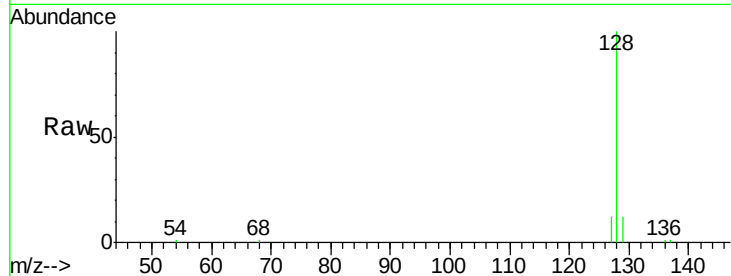
Tgt Ion:128 Resp: 12059

Ion Ratio Lower Upper

128 100

129 11.8 9.8 14.8

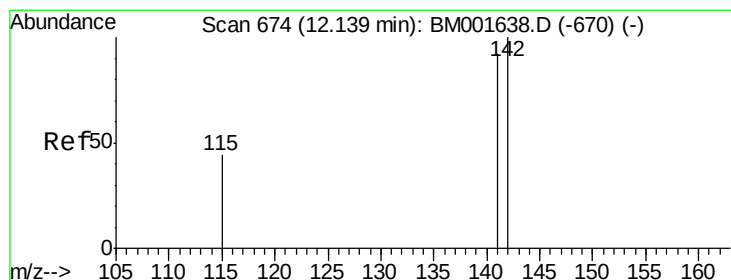
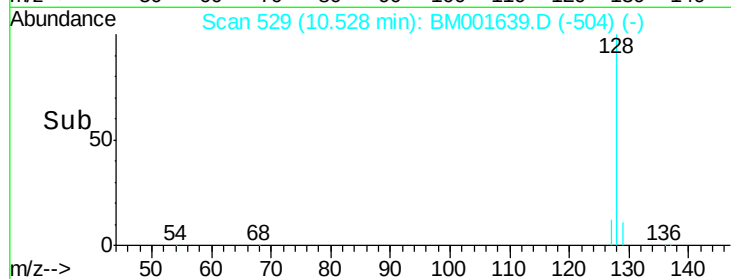
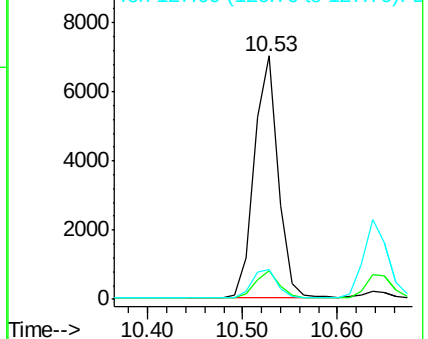
127 12.5 10.7 16.1



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: 0.80 ng/ul

RT: 12.14 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM001639.D

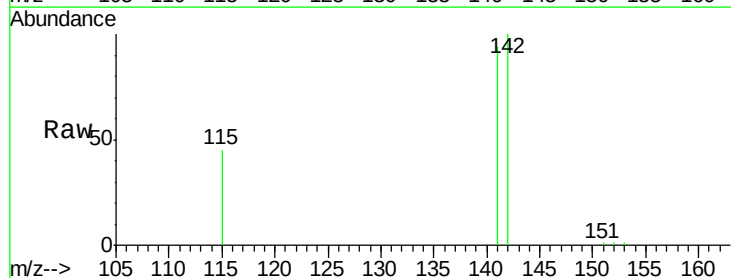
Acq: 10 Jun 2015 23:21

Tgt Ion:142 Resp: 7526

Ion Ratio Lower Upper

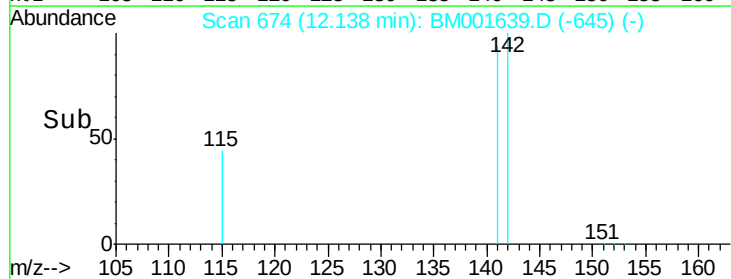
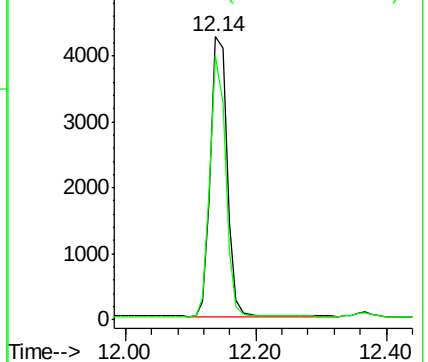
142 100

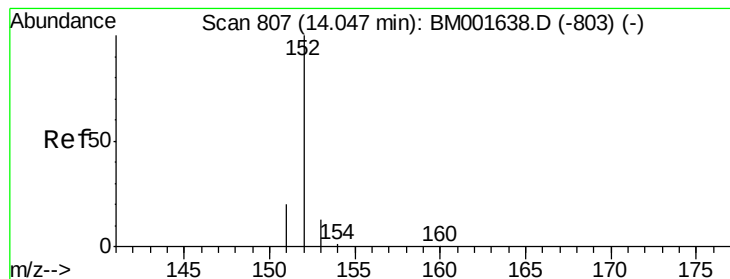
141 88.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.82 ng/ul

RT: 14.05 min Scan# 807

Delta R.T. -0.00 min

Lab File: BM001639.D

Acq: 10 Jun 2015 23:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.888

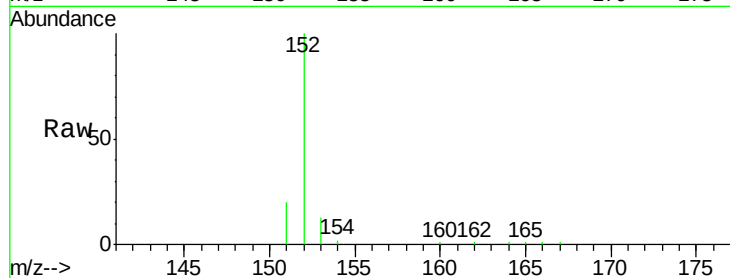
Tgt Ion:152 Resp: 9921

Ion Ratio Lower Upper

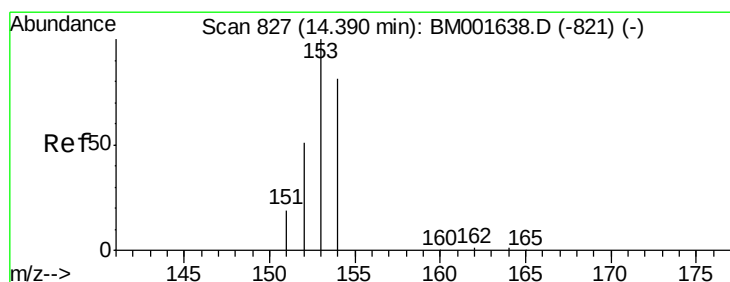
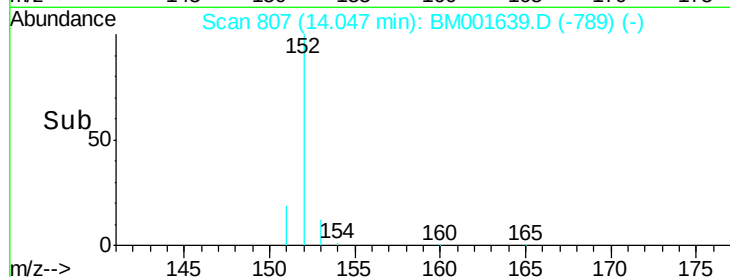
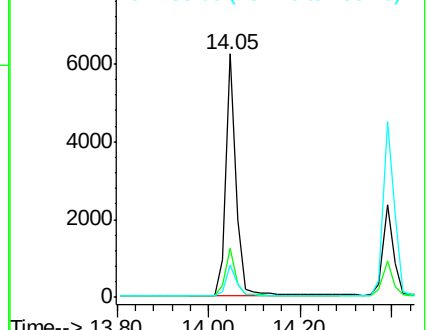
152 100

151 20.1 16.8 25.2

153 13.1 11.3 16.9



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



#10

Acenaphthene

Concen: 0.77 ng/ul

RT: 14.39 min Scan# 827

Delta R.T. -0.00 min

Lab File: BM001639.D

Acq: 10 Jun 2015 23:21

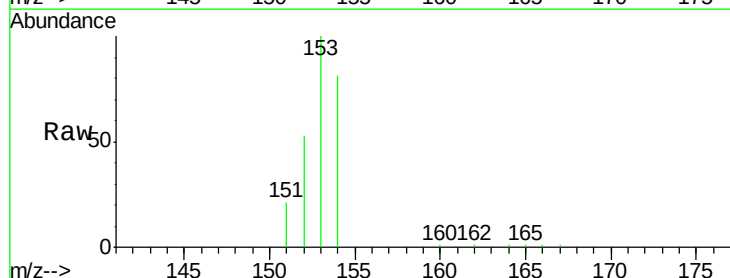
Tgt Ion:153 Resp: 7323

Ion Ratio Lower Upper

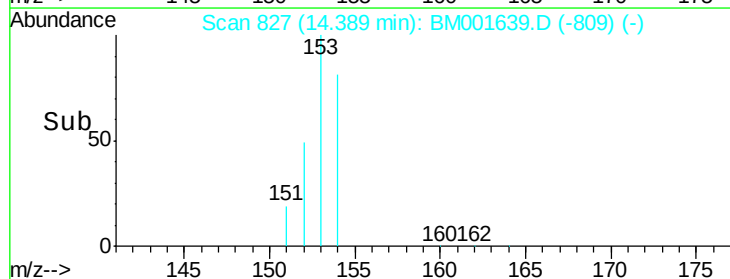
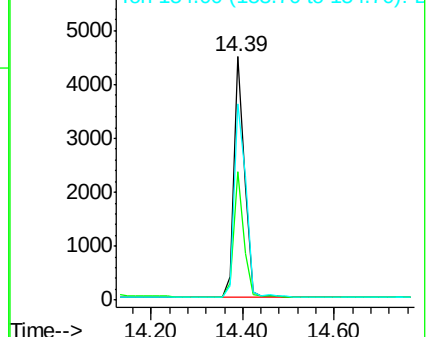
153 100

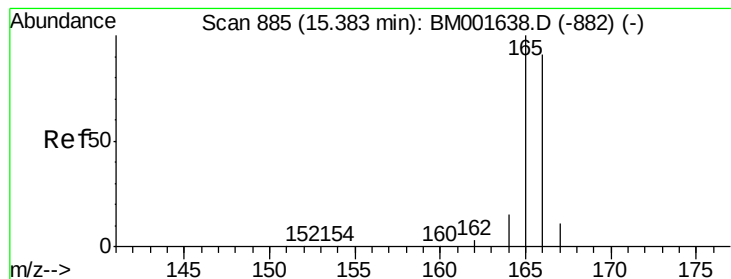
152 53.0 42.3 63.5

154 80.9 64.7 97.1



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: 0.77 ng/ul

RT: 15.38 min Scan# 885

Delta R.T. -0.00 min

Lab File: BM001639.D

Acq: 10 Jun 2015 23:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.888

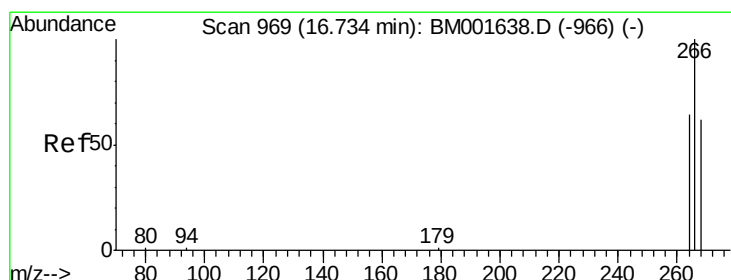
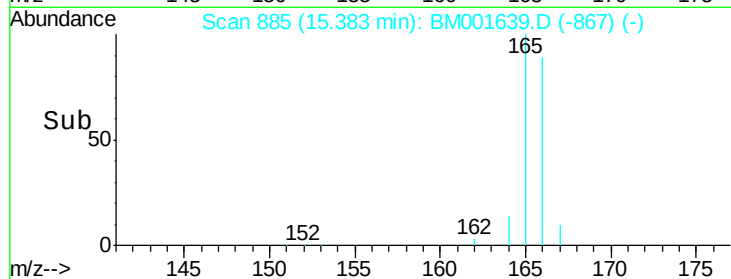
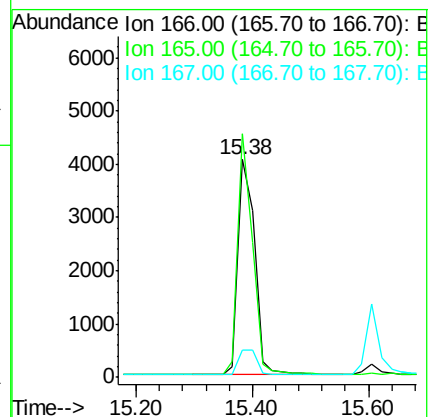
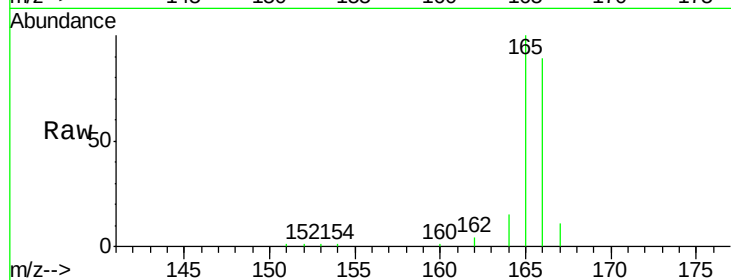
Tgt Ion:166 Resp: 7980

Ion Ratio Lower Upper

166 100

165 111.9 87.6 131.4

167 12.8 11.1 16.7



#13

Pentachlorophenol

Concen: 1.42 ng/ul

RT: 16.74 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM001639.D

Acq: 10 Jun 2015 23:21

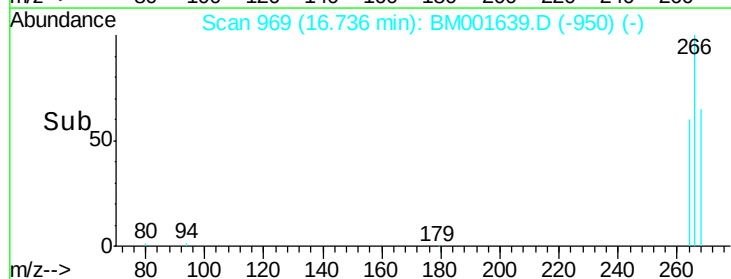
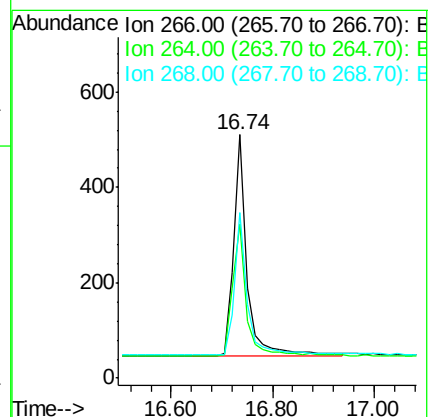
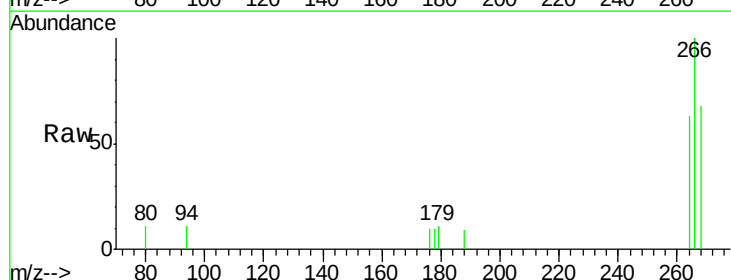
Tgt Ion:266 Resp: 866

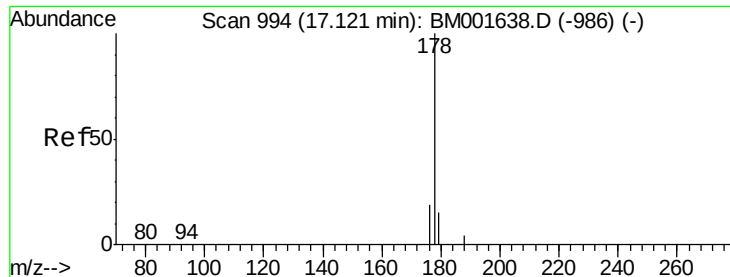
Ion Ratio Lower Upper

266 100

264 63.7 53.5 80.3

268 62.6 54.2 81.2





#14

Phenanthrene

Concen: 0.83 ng/ul

RT: 17.12 min Scan# 994

Delta R.T. 0.00 min

Lab File: BM001639.D

Acq: 10 Jun 2015 23:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.888

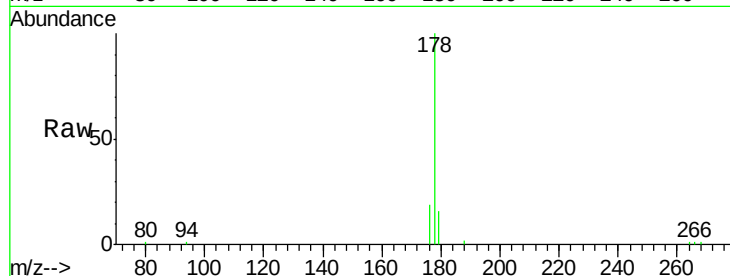
Tgt Ion:178 Resp: 11676

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.4

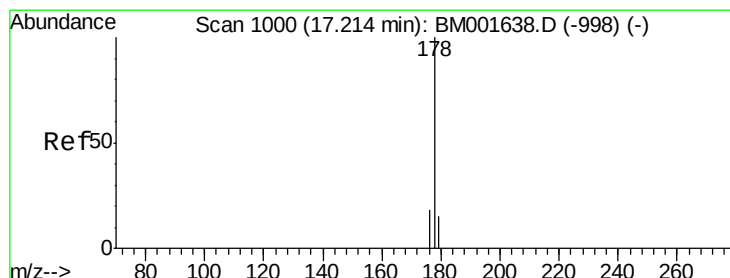
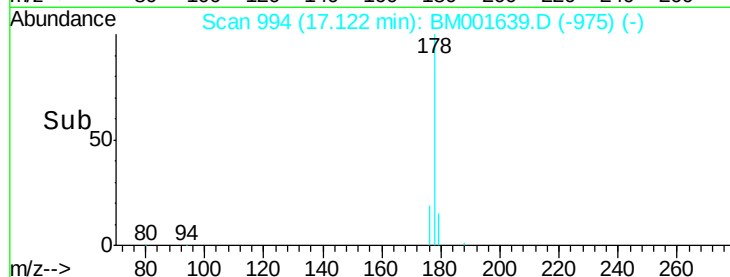
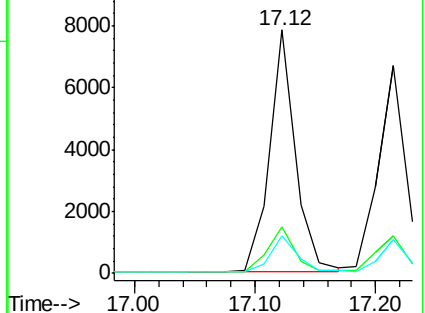
179 15.5 12.8 19.2



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: 0.90 ng/ul

RT: 17.22 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BM001639.D

Acq: 10 Jun 2015 23:21

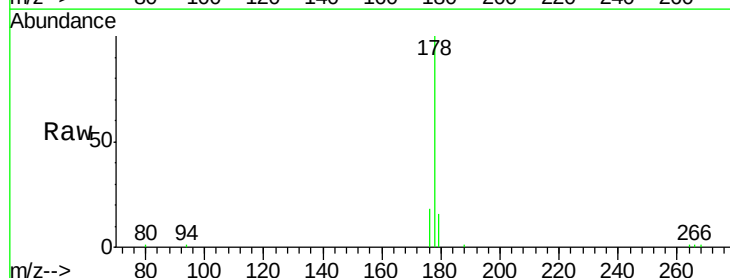
Tgt Ion:178 Resp: 11302

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

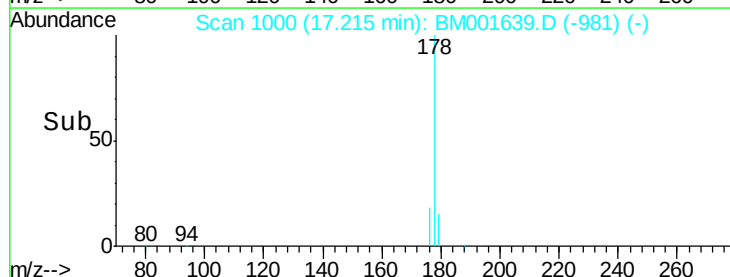
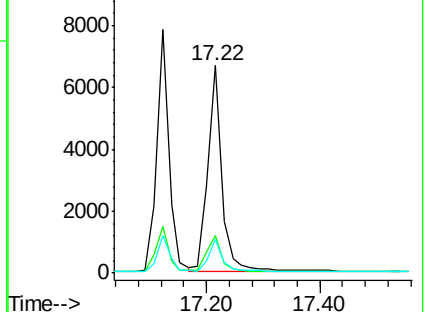
179 16.1 13.3 19.9

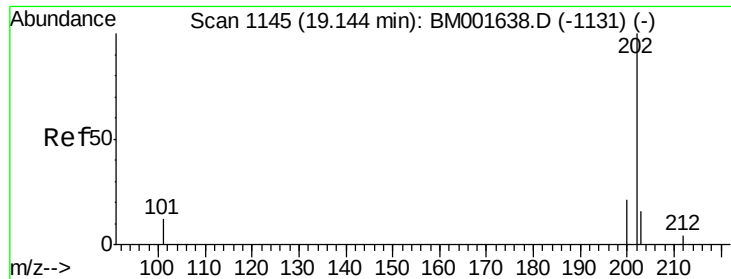


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

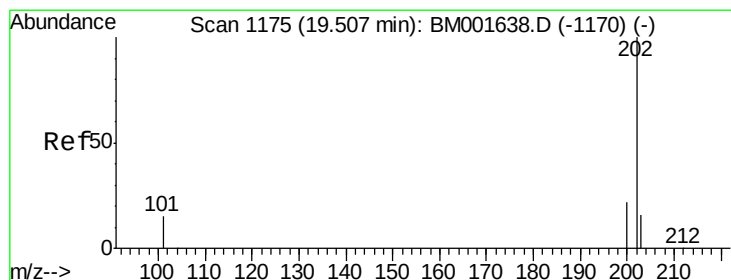
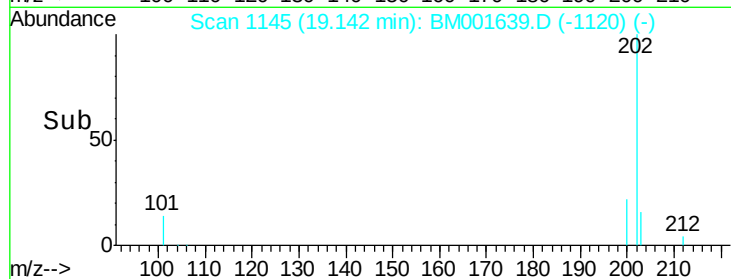
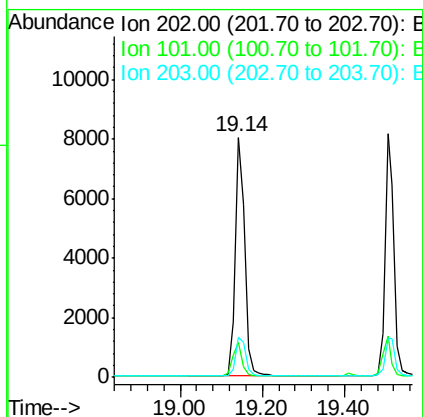
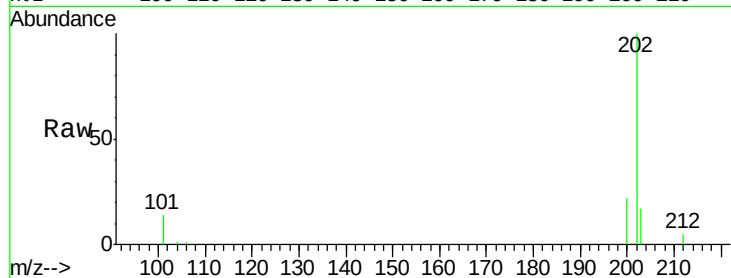




#17
Fluoranthene
Concen: 0.88 ng/ul
RT: 19.14 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BM001639.D
Acq: 10 Jun 2015 23:21

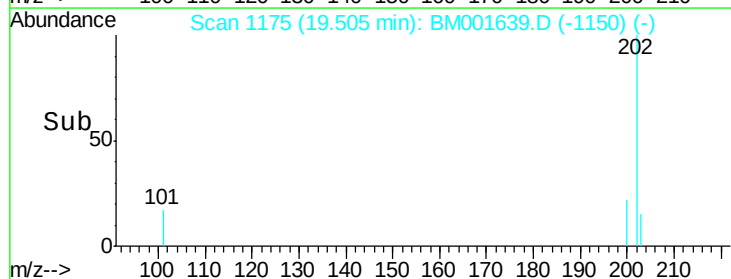
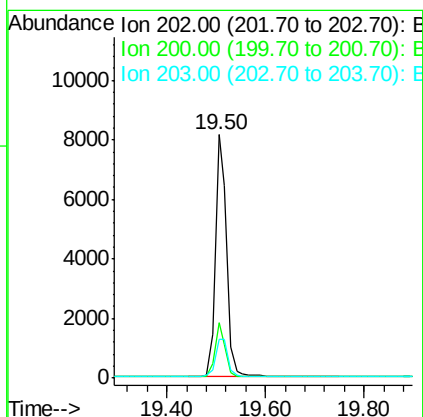
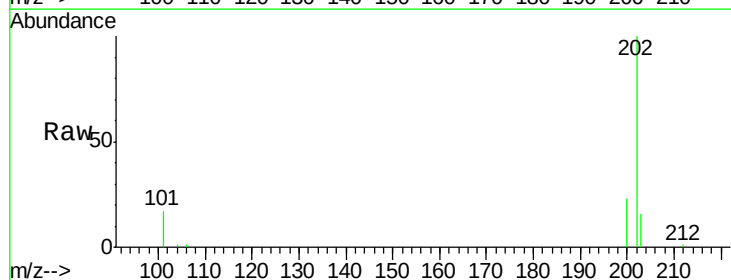
Instrument :
BNA_M
ClientSampleId :
SSTD0.888

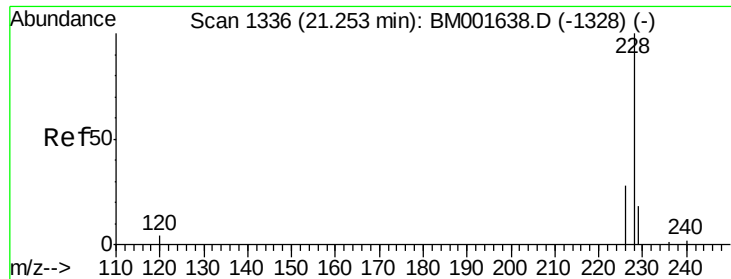
Tgt Ion:202 Resp: 12486
Ion Ratio Lower Upper
202 100
101 14.3 0.0 33.1
203 16.5 0.0 37.2



#19
Pyrene
Concen: 0.77 ng/ul
RT: 19.50 min Scan# 1175
Delta R.T. -0.00 min
Lab File: BM001639.D
Acq: 10 Jun 2015 23:21

Tgt Ion:202 Resp: 12705
Ion Ratio Lower Upper
202 100
200 22.6 18.0 27.0
203 15.9 13.8 20.6





#20

Benzo(a)anthracene

Concen: 0.89 ng/ul

RT: 21.25 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BM001639.D

Acq: 10 Jun 2015 23:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.888

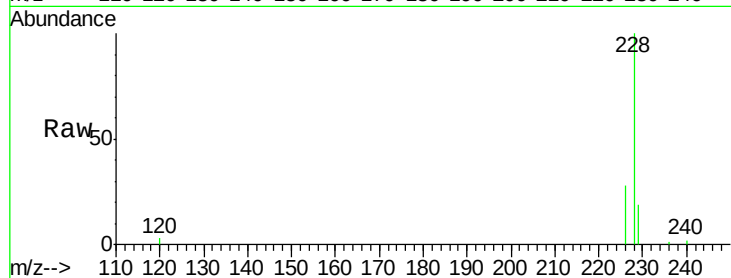
Tgt Ion:228 Resp: 10283

Ion Ratio Lower Upper

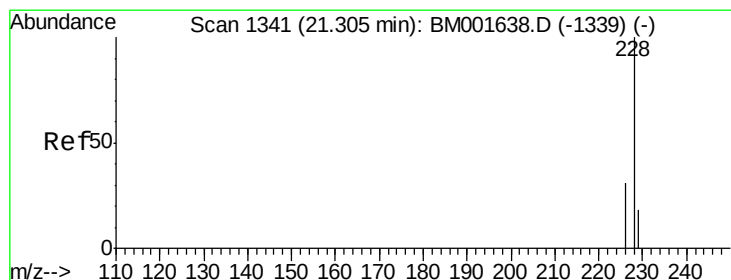
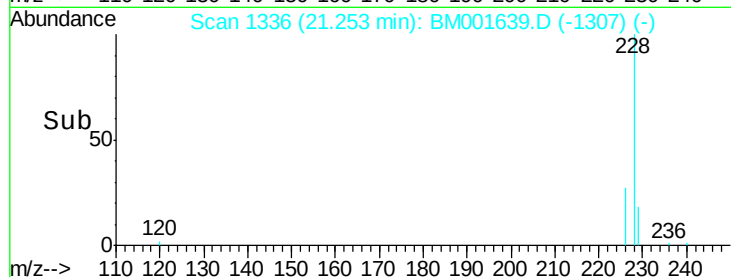
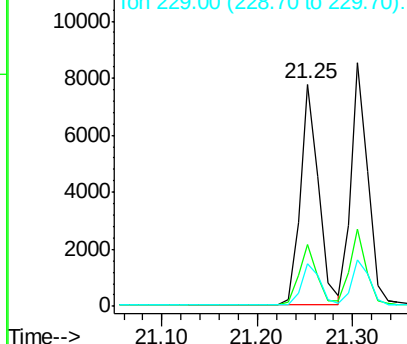
228 100

226 27.7 23.0 34.4

229 19.0 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: 0.81 ng/ul

RT: 21.31 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM001639.D

Acq: 10 Jun 2015 23:21

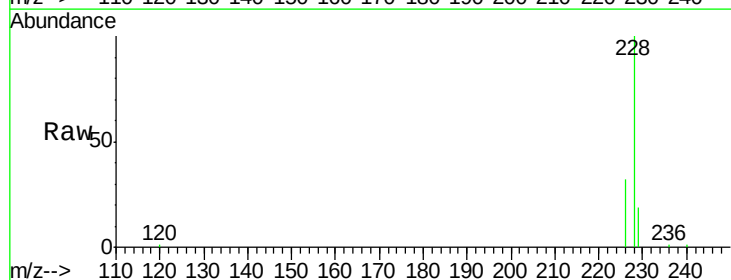
Tgt Ion:228 Resp: 10758

Ion Ratio Lower Upper

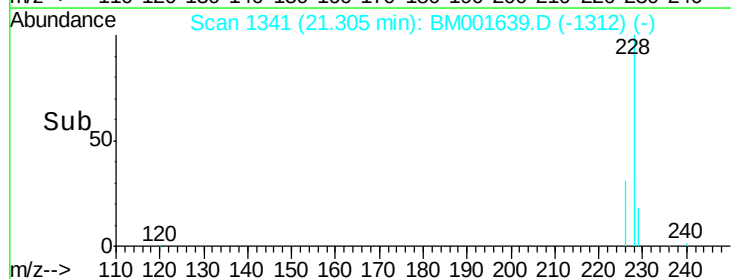
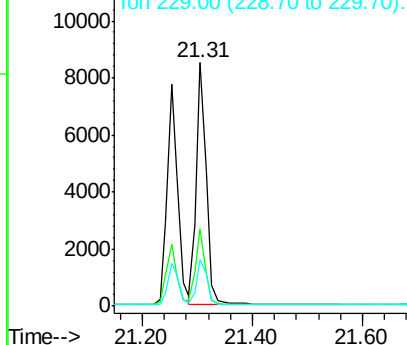
228 100

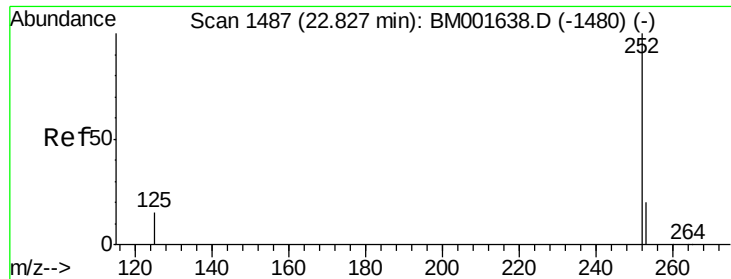
226 31.5 25.7 38.5

229 18.9 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: 0.84 ng/ul

RT: 22.83 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BM001639.D

Acq: 10 Jun 2015 23:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.888

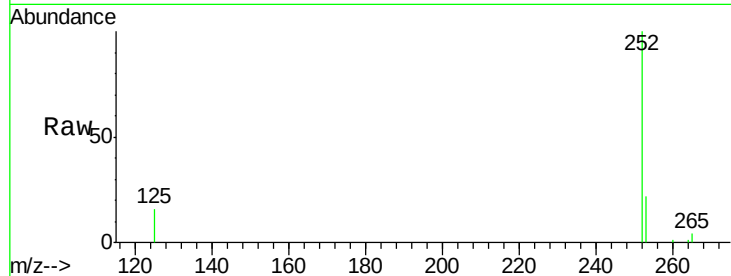
Tgt Ion:252 Resp: 9914

Ion Ratio Lower Upper

252 100

253 22.5 0.0 48.0

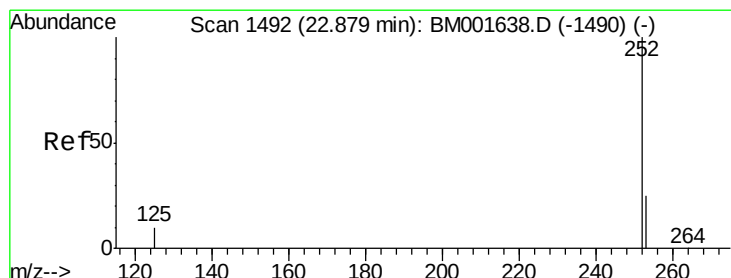
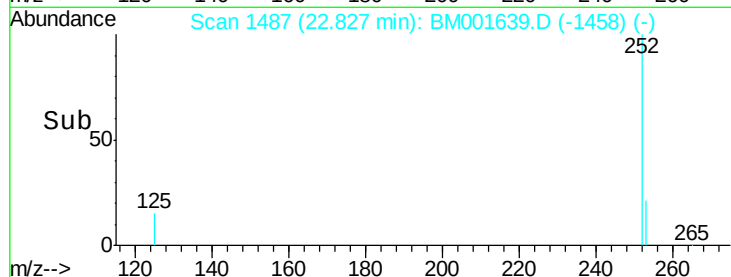
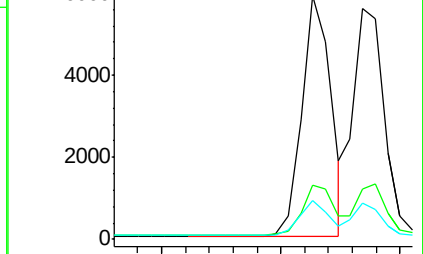
125 16.1 0.0 36.6



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: 0.83 ng/ul

RT: 22.87 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BM001639.D

Acq: 10 Jun 2015 23:21

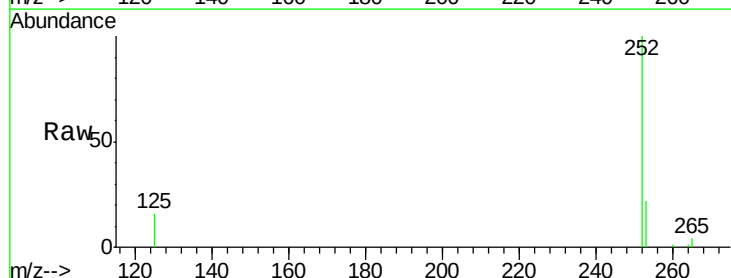
Tgt Ion:252 Resp: 10227

Ion Ratio Lower Upper

252 100

253 22.1 20.8 31.2

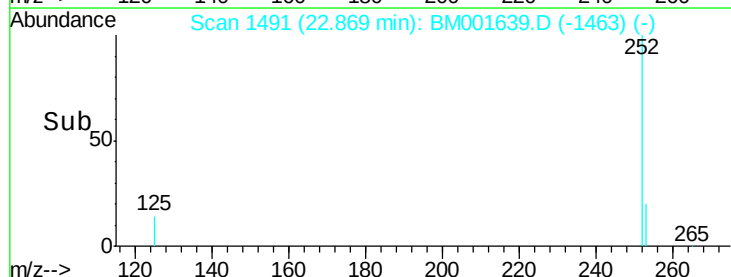
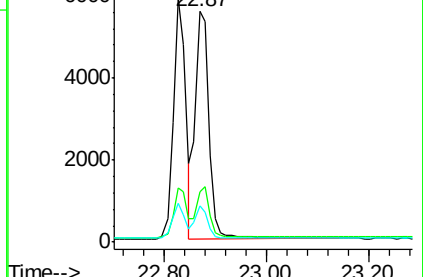
125 15.9 12.2 18.4

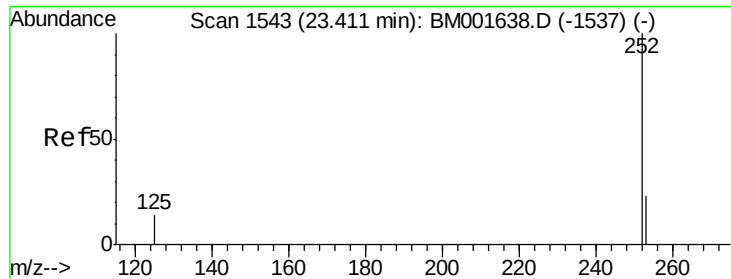


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.82 ng/ul

RT: 23.41 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BM001639.D

Acq: 10 Jun 2015 23:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.888

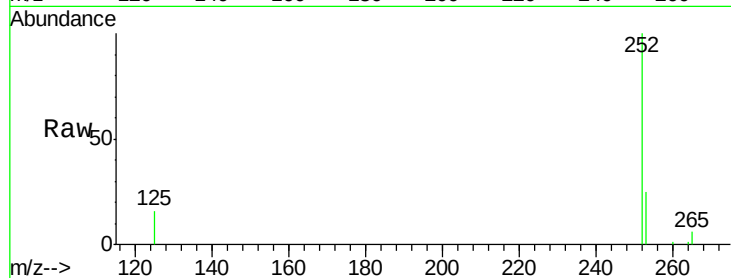
Tgt Ion:252 Resp: 9207

Ion Ratio Lower Upper

252 100

253 24.8 21.8 32.8

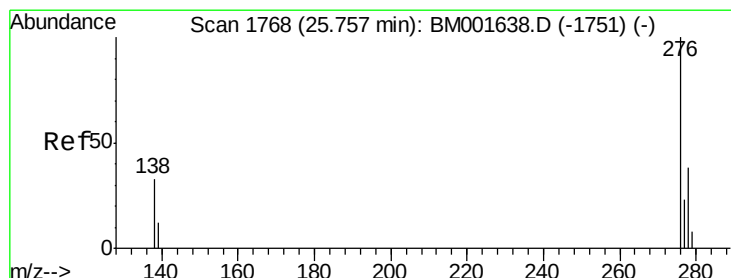
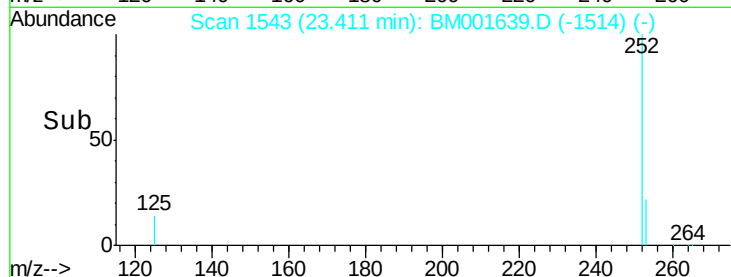
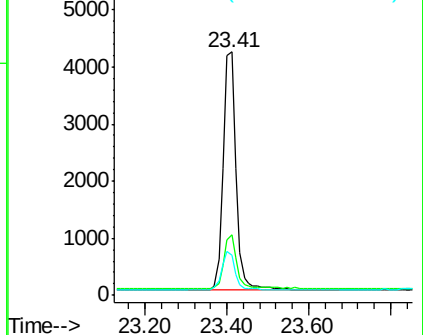
125 16.5 14.5 21.7



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.83 ng/ul

RT: 25.76 min Scan# 1768

Delta R.T. -0.00 min

Lab File: BM001639.D

Acq: 10 Jun 2015 23:21

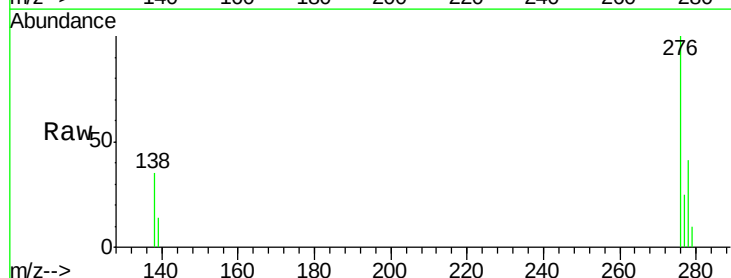
Tgt Ion:276 Resp: 9901

Ion Ratio Lower Upper

276 100

138 34.8 27.5 41.3

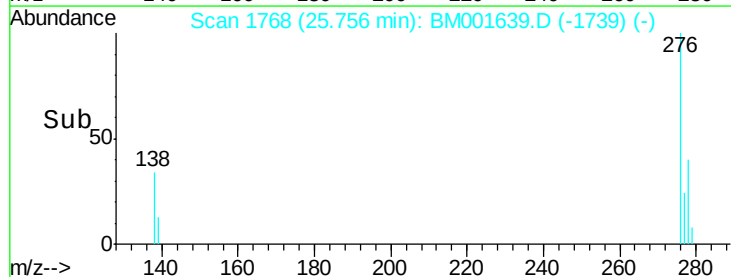
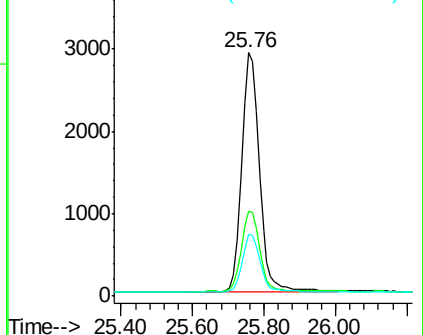
277 24.3 19.3 28.9

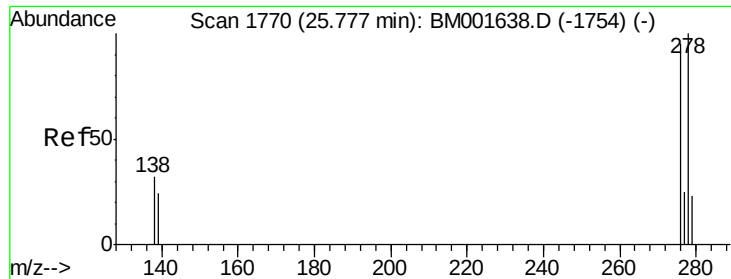


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



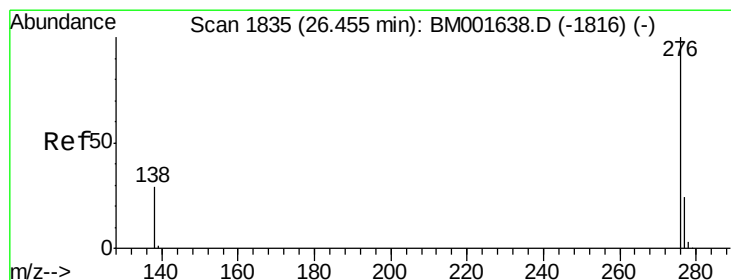
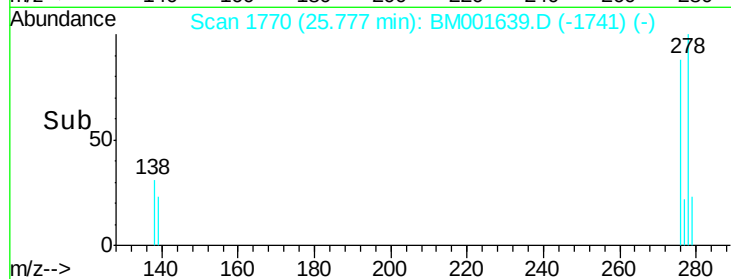
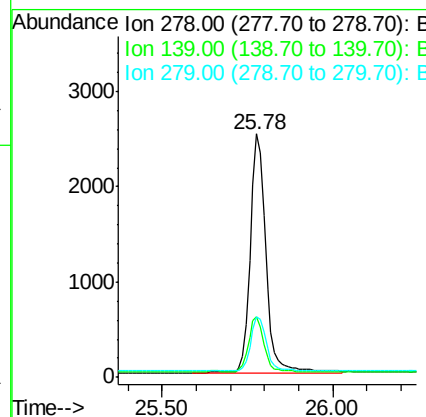
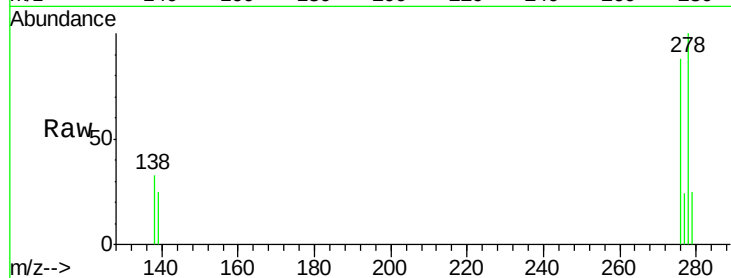


#27
Dibenzo(a,h)anthracene
Concen: 0.83 ng/ul
RT: 25.78 min Scan# 1770
Delta R.T. -0.00 min
Lab File: BM001639.D
Acq: 10 Jun 2015 23:21

Instrument :
BNA_M
ClientSampleId :
SSTD0.888

Tgt Ion: 278 Resp: 7900

Ion	Ratio	Lower	Upper
278	100		
139	24.8	21.7	32.5
279	25.1	21.9	32.9



#28
Benzo(g,h,i)perylene
Concen: 0.84 ng/ul
RT: 26.44 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BM001639.D
Acq: 10 Jun 2015 23:21

Tgt Ion: 276 Resp: 8883

Ion	Ratio	Lower	Upper
276	100		
277	24.0	21.3	31.9
138	32.3	25.5	38.3

