

Data Path : S:\HPCHEM1\BNA_M\DATA\BM061115\
 Data File : BM001644.D
 Acq On : 11 Jun 2015 11:35
 Operator : TP/IZ
 Sample : G2414-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1T57

Quant Time: Jun 11 14:59:17 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 07:52:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	1645	0.40	ng/ul	0.00
4) Naphthalene-d8	10.48	136	6093	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.34	164	2785	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.09	188	5725	0.40	ng/ul	0.00
18) Chrysene-d12	21.27	240	3856	0.40	ng/ul	0.00
22) Perylene-d12	23.52	264	3037	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
6) 2-Methylnaphthalene-d10	12.08	152	2606	0.35	ng/ul	0.00
16) Fluoranthene-d10	19.12	212	4254	0.37	ng/ul	0.00

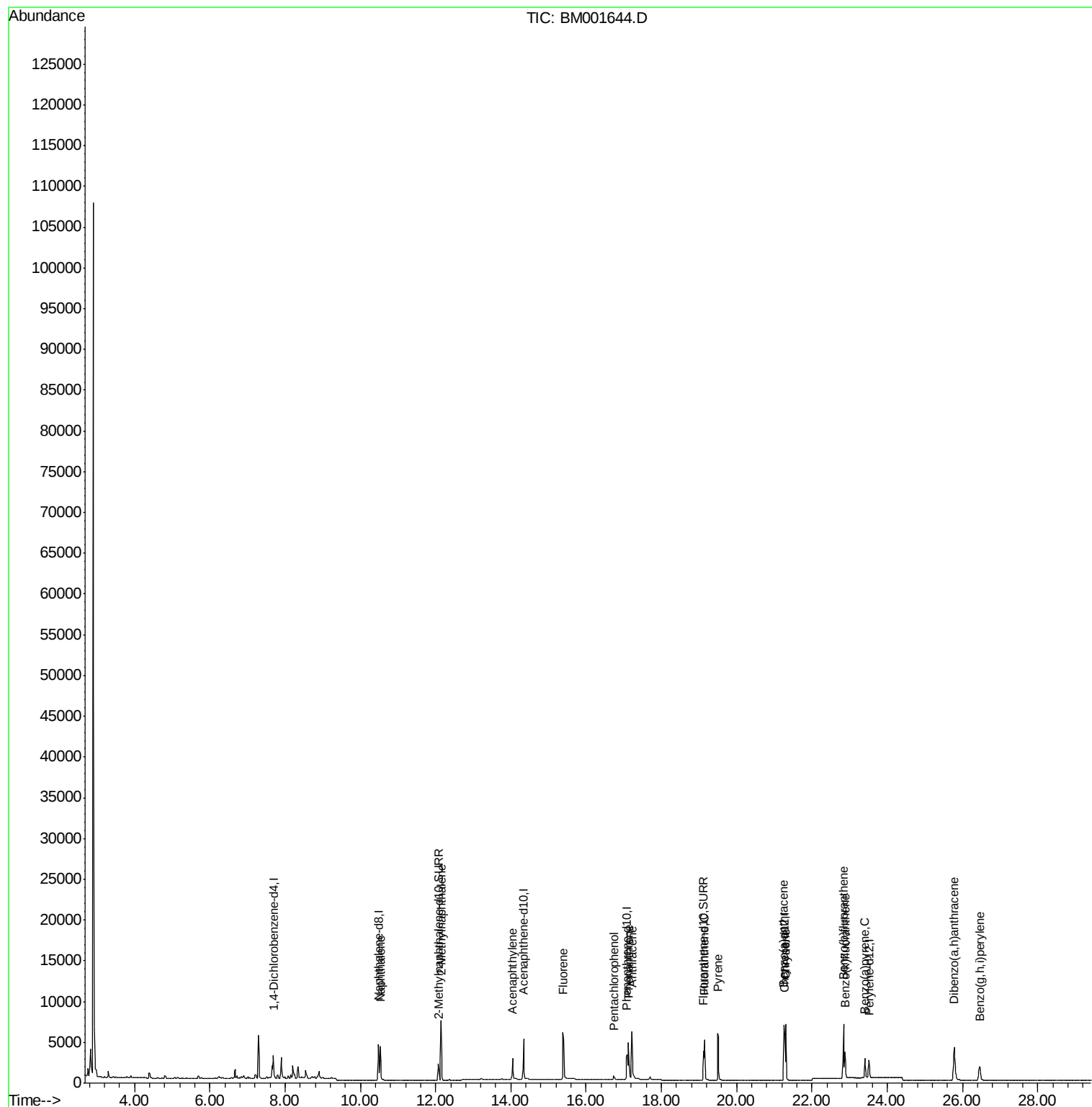
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.53	128	5351	0.33	ng/ul	99
7) 2-Methylnaphthalene	12.15	142	5829	0.58	ng/ul	99
9) Acenaphthylene	14.05	152	3313	0.25	ng/ul	99
11) Fluorene	15.40	166	5738	0.53	ng/ul#	77
13) Pentachlorophenol	16.74	266	459	0.40	ng/ul	93
14) Phenanthrene	17.12	178	5451	0.33	ng/ul	99
15) Anthracene	17.22	178	8241	0.52	ng/ul	98
17) Fluoranthene	19.14	202	5265	0.30	ng/ul	96
19) Pyrene	19.52	202	6545	0.42	ng/ul	93
20) Benzo(a)anthracene	21.25	228	6200	0.50	ng/ul	96
21) Chrysene	21.31	228	6793	0.51	ng/ul	99
23) Benzo(b)fluoranthene	22.84	252	9033	0.77	ng/ul	96
24) Benzo(k)fluoranthene	22.88	252	4117	0.35	ng/ul	99
25) Benzo(a)pyrene	23.41	252	3709	0.34	ng/ul	98
27) Dibenzo(a,h)anthracene	25.79	278	6933	0.70	ng/ul	95
28) Benzo(g,h,i)perylene	26.45	276	3722	0.32	ng/ul	99

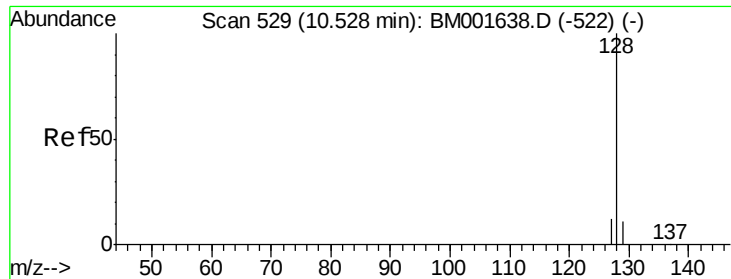
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.33 ng/ul

RT: 10.53 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM001644.D

Acq: 11 Jun 2015 11:35

Instrument :

BNA_M

ClientSampleId :

X1T57

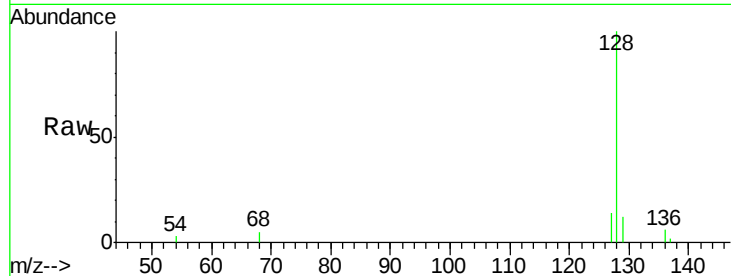
Tgt Ion:128 Resp: 5351

Ion Ratio Lower Upper

128 100

129 12.0 9.8 14.8

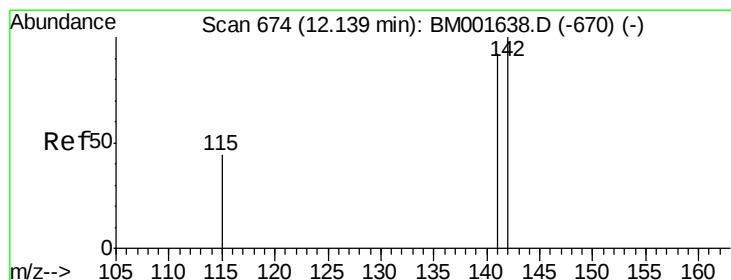
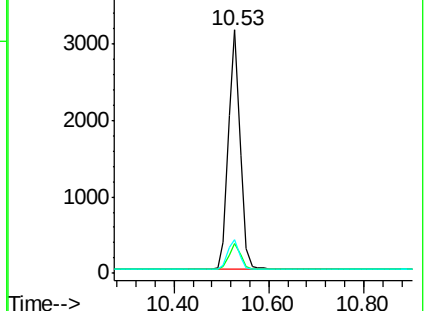
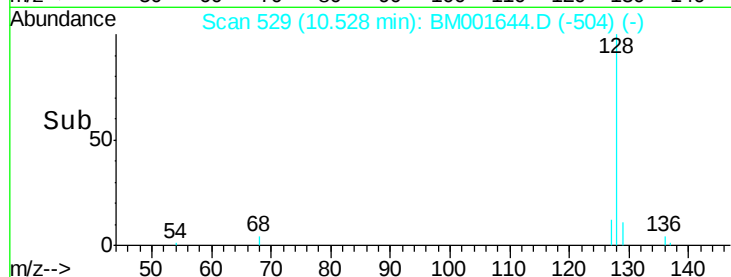
127 13.8 10.7 16.1



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: 0.58 ng/ul

RT: 12.15 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM001644.D

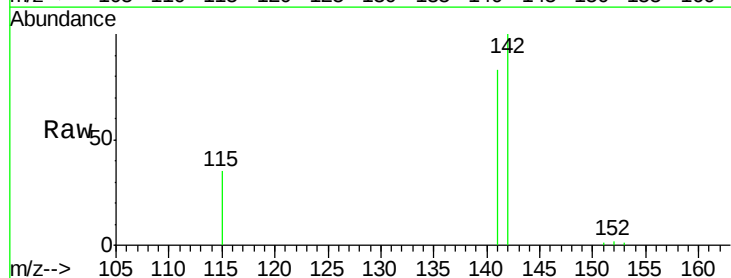
Acq: 11 Jun 2015 11:35

Tgt Ion:142 Resp: 5829

Ion Ratio Lower Upper

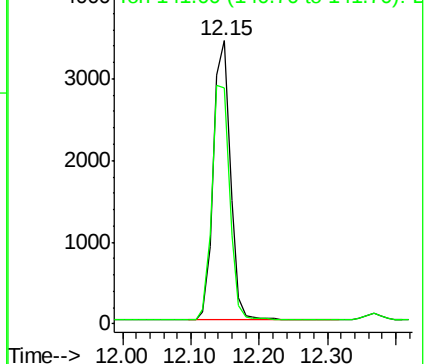
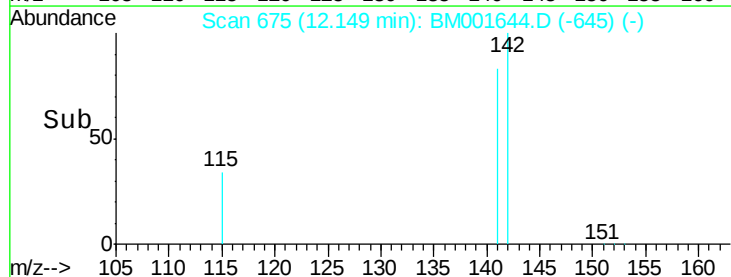
142 100

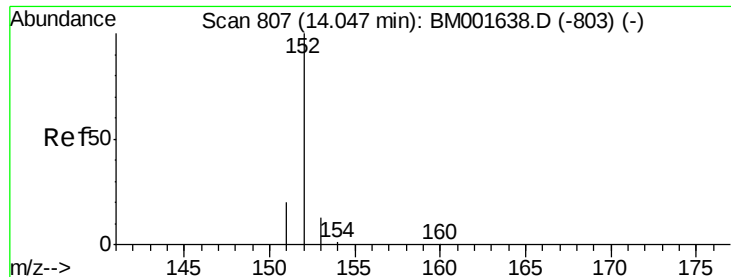
141 88.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.25 ng/ul

RT: 14.05 min Scan# 807

Delta R.T. -0.00 min

Lab File: BM001644.D

Acq: 11 Jun 2015 11:35

Instrument :

BNA_M

ClientSampleId :

X1T57

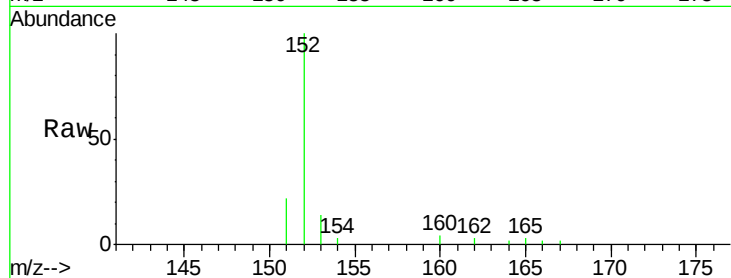
Tgt Ion:152 Resp: 3313

Ion Ratio Lower Upper

152 100

151 22.1 16.8 25.2

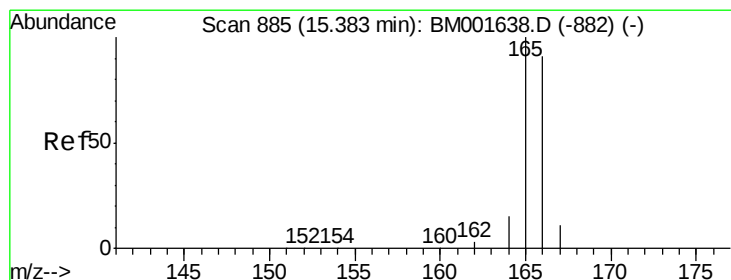
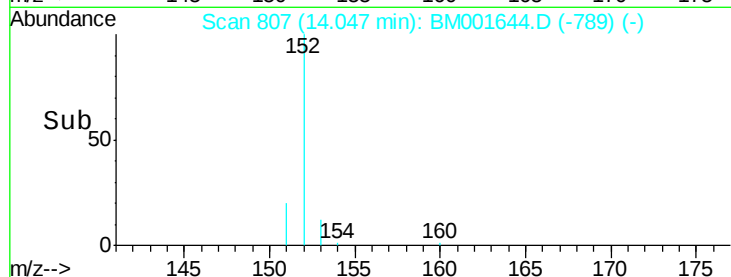
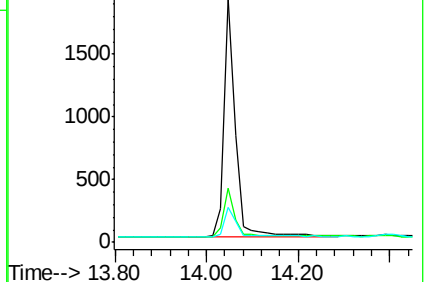
153 14.2 11.3 16.9



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



#11

Fluorene

Concen: 0.53 ng/ul

RT: 15.40 min Scan# 886

Delta R.T. 0.02 min

Lab File: BM001644.D

Acq: 11 Jun 2015 11:35

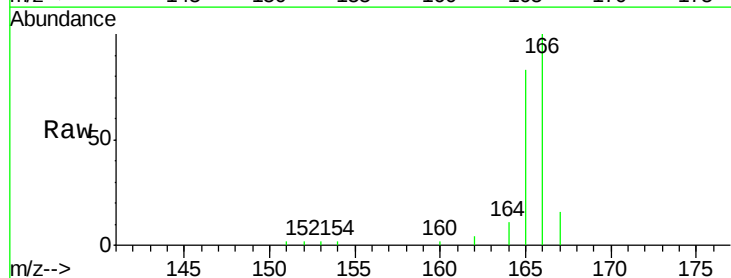
Tgt Ion:166 Resp: 5738

Ion Ratio Lower Upper

166 100

165 83.3 87.6 131.4#

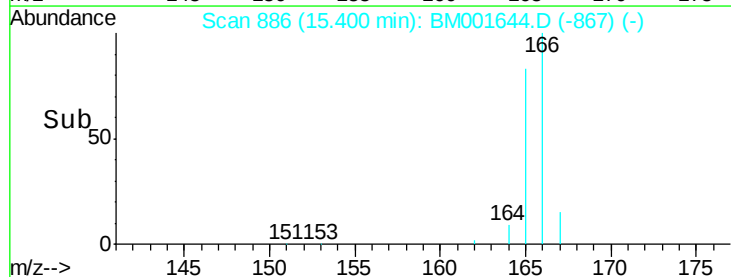
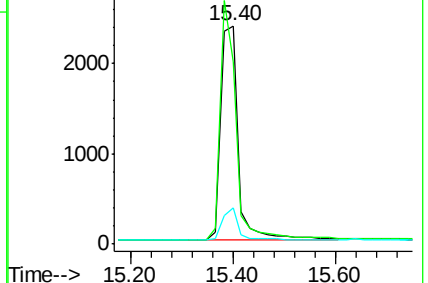
167 16.4 11.1 16.7

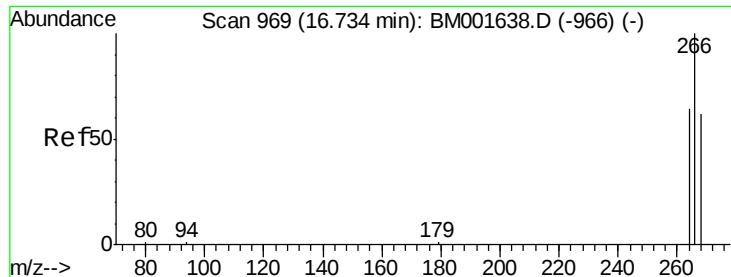


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

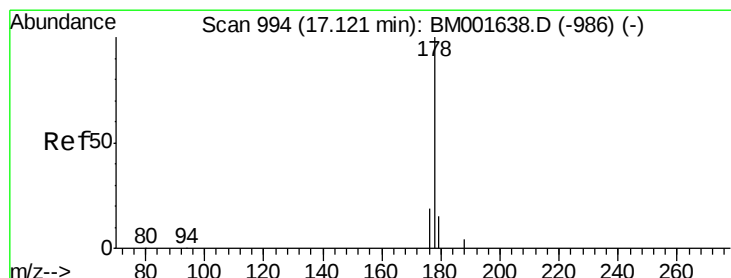
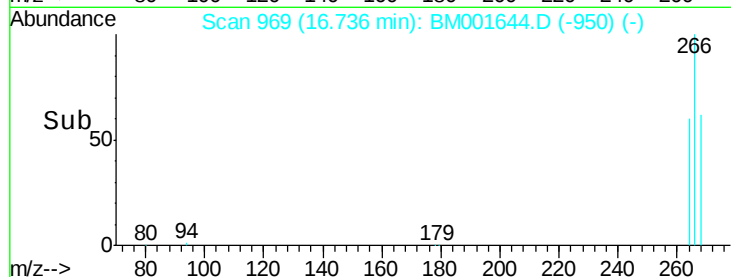
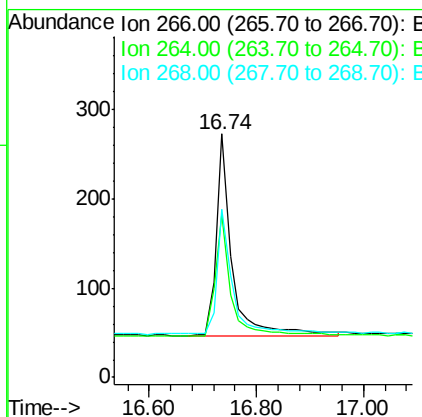
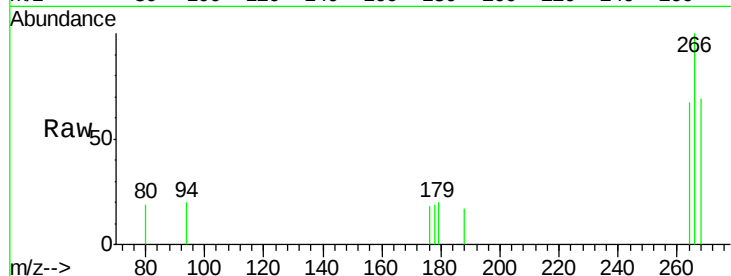




#13
 Pentachlorophenol
 Concen: 0.40 ng/u1
 RT: 16.74 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: BM001644.D
 Acq: 11 Jun 2015 11:35

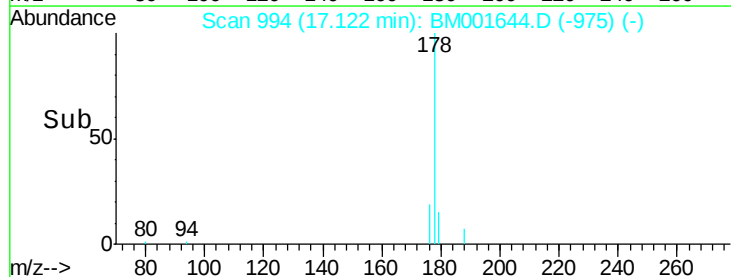
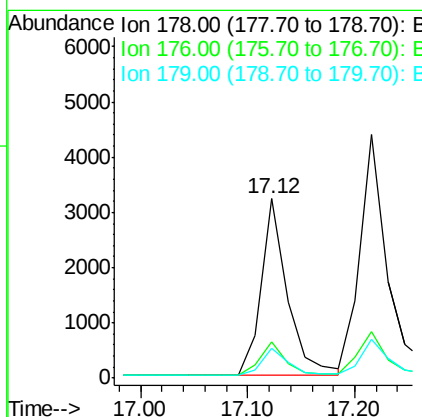
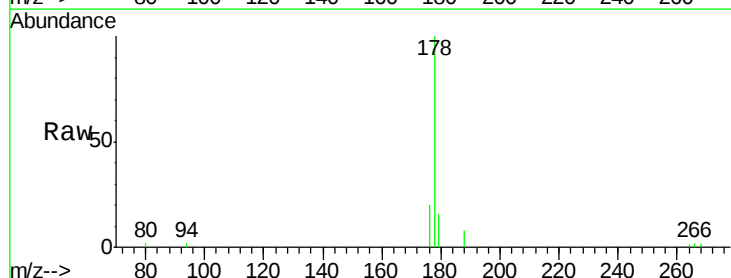
Instrument :
 BNA_M
 ClientSampleId :
 X1T57

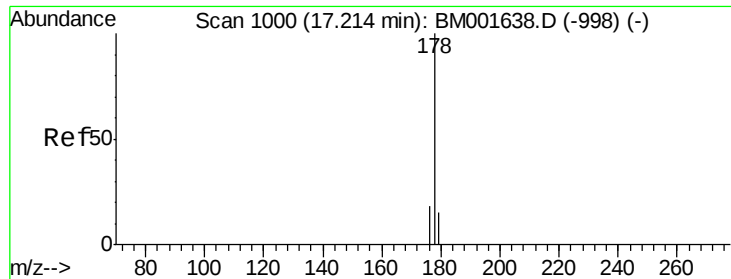
Tgt Ion:266 Resp: 459
 Ion Ratio Lower Upper
 266 100
 264 63.0 53.5 80.3
 268 60.8 54.2 81.2



#14
 Phenanthrene
 Concen: 0.33 ng/u1
 RT: 17.12 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: BM001644.D
 Acq: 11 Jun 2015 11:35

Tgt Ion:178 Resp: 5451
 Ion Ratio Lower Upper
 178 100
 176 20.1 16.2 24.4
 179 16.4 12.8 19.2





#15

Anthracene

Concen: 0.52 ng/ul

RT: 17.22 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BM001644.D

Acq: 11 Jun 2015 11:35

Instrument :

BNA_M

ClientSampleId :

X1T57

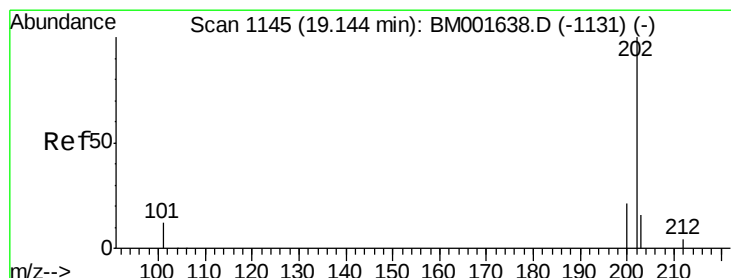
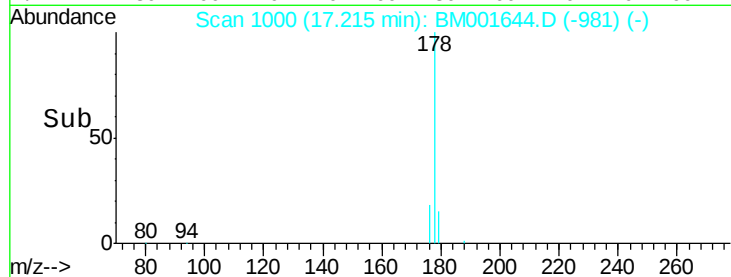
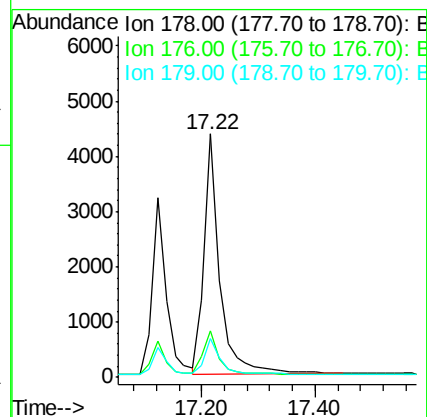
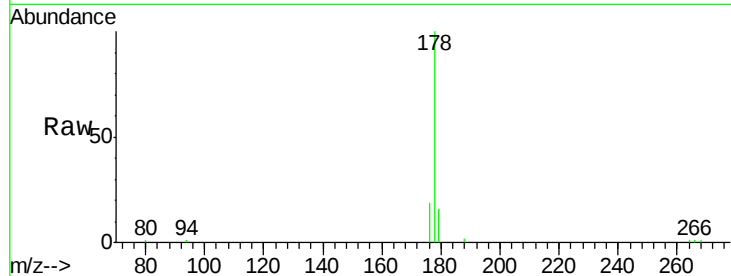
Tgt Ion:178 Resp: 8241

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

179 15.9 13.3 19.9



#17

Fluoranthene

Concen: 0.30 ng/ul

RT: 19.14 min Scan# 1145

Delta R.T. -0.00 min

Lab File: BM001644.D

Acq: 11 Jun 2015 11:35

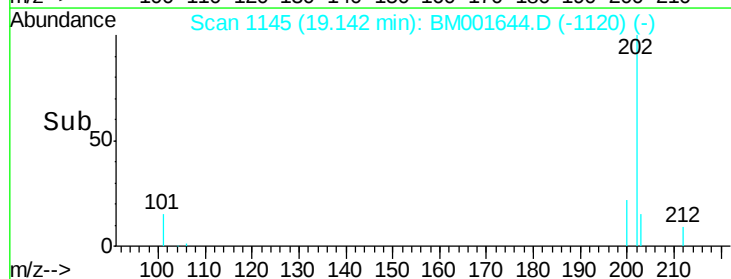
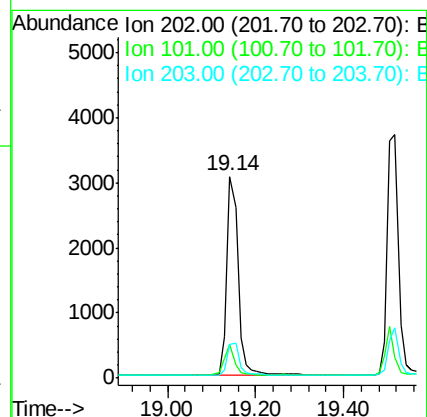
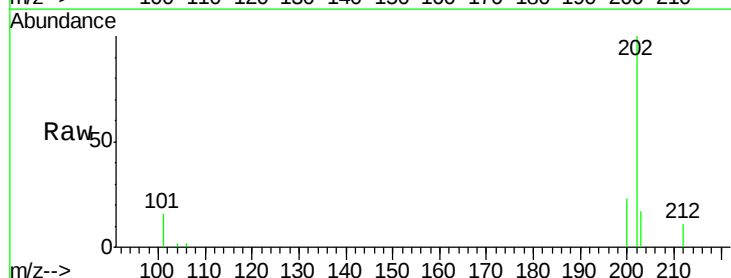
Tgt Ion:202 Resp: 5265

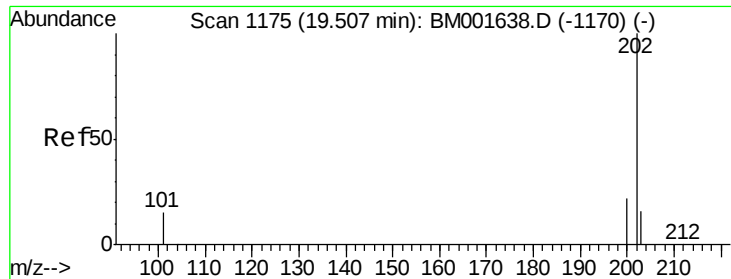
Ion Ratio Lower Upper

202 100

101 16.5 0.0 33.1

203 16.9 0.0 37.2





#19

Pyrene

Concen: 0.42 ng/ul

RT: 19.52 min Scan# 1176

Delta R.T. 0.01 min

Lab File: BM001644.D

Acq: 11 Jun 2015 11:35

Instrument :

BNA_M

ClientSampleId :

X1T57

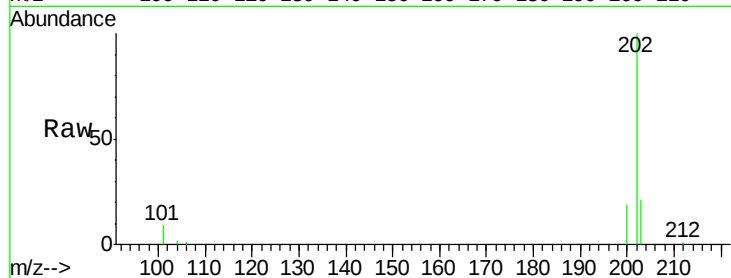
Tgt Ion:202 Resp: 6545

Ion Ratio Lower Upper

202 100

200 19.0 18.0 27.0

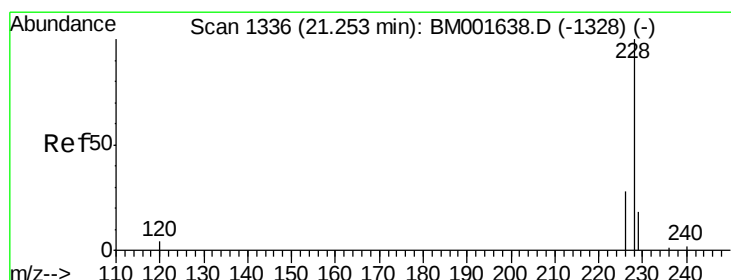
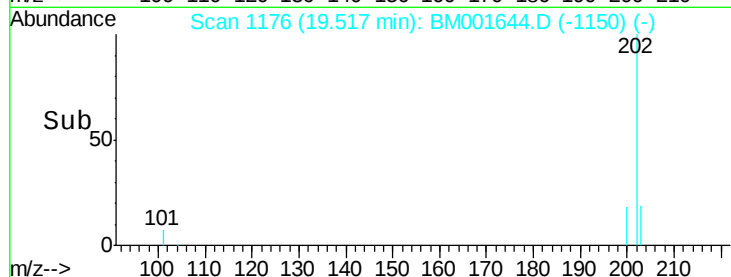
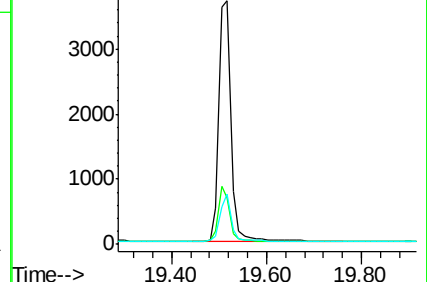
203 20.6 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#20

Benzo(a)anthracene

Concen: 0.50 ng/ul

RT: 21.25 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BM001644.D

Acq: 11 Jun 2015 11:35

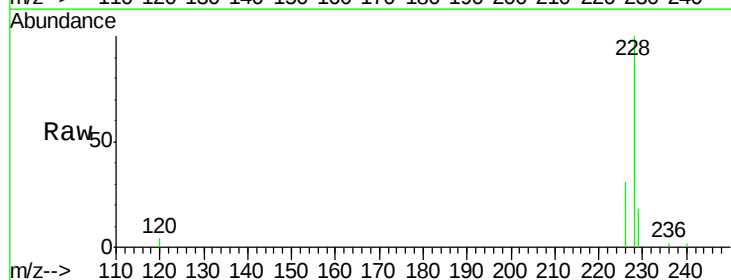
Tgt Ion:228 Resp: 6200

Ion Ratio Lower Upper

228 100

226 31.1 23.0 34.4

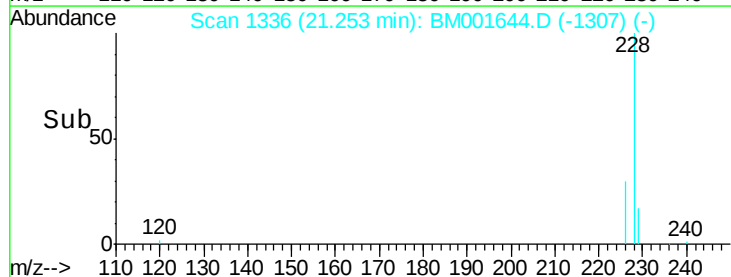
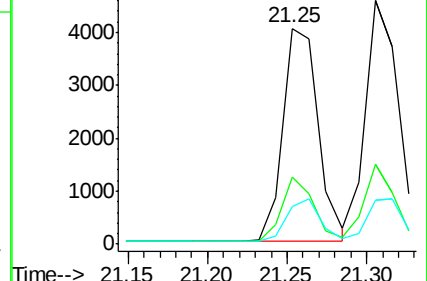
229 17.6 15.2 22.8

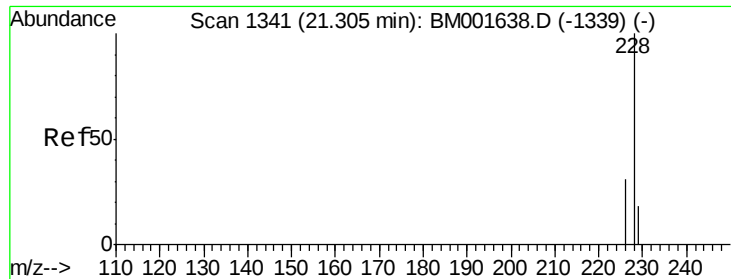


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.51 ng/ul

RT: 21.31 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM001644.D

Acq: 11 Jun 2015 11:35

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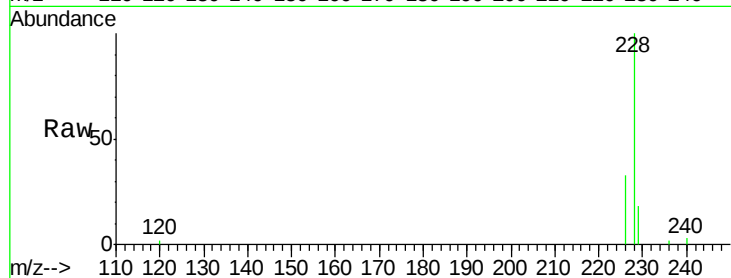
Tgt Ion:228 Resp: 6793

Ion Ratio Lower Upper

228 100

226 32.8 25.7 38.5

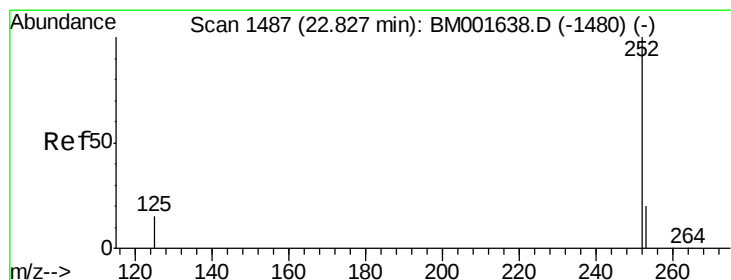
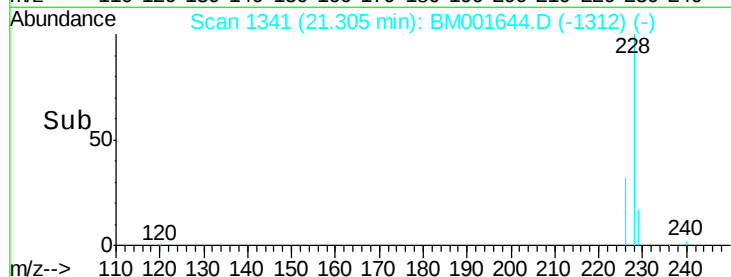
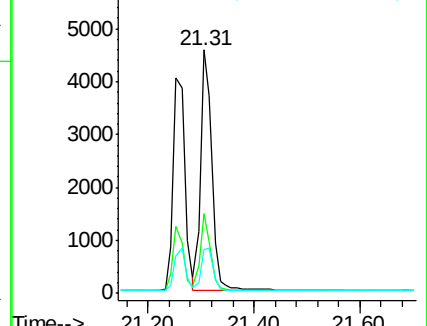
229 18.2 15.2 22.8



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: 0.77 ng/ul

RT: 22.84 min Scan# 1488

Delta R.T. 0.01 min

Lab File: BM001644.D

Acq: 11 Jun 2015 11:35

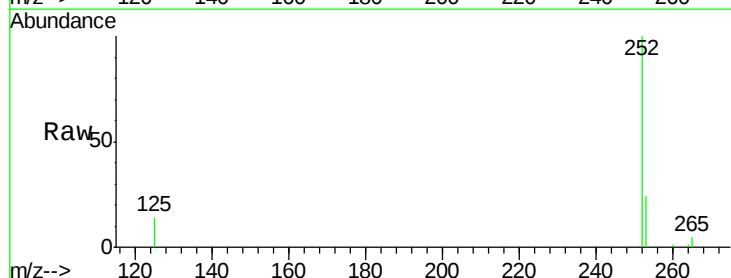
Tgt Ion:252 Resp: 9033

Ion Ratio Lower Upper

252 100

253 24.3 0.0 48.0

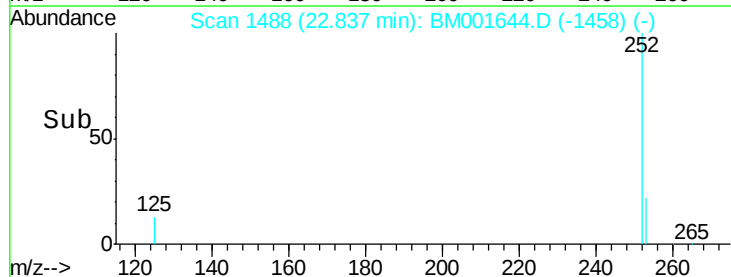
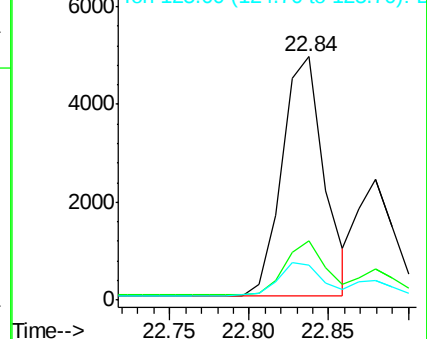
125 14.4 0.0 36.6

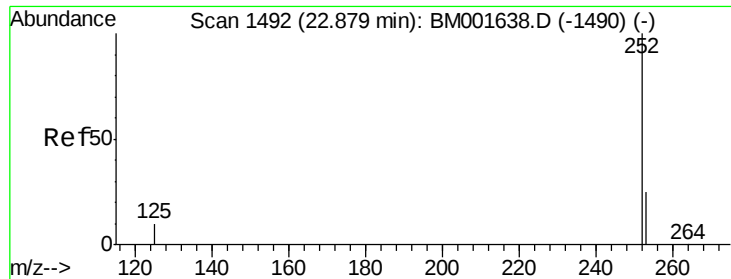


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.35 ng/ul

RT: 22.88 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BM001644.D

Acq: 11 Jun 2015 11:35

Instrument :

BNA_M

ClientSampleId :

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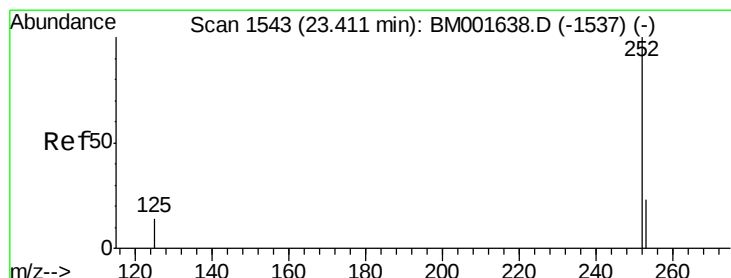
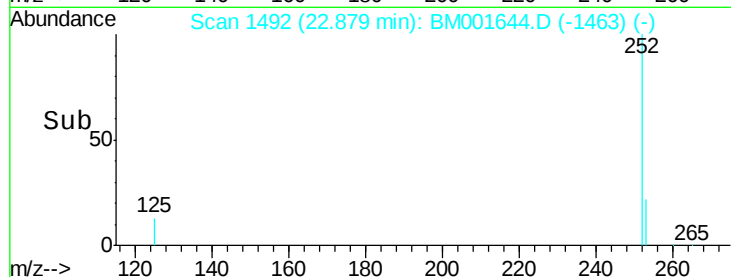
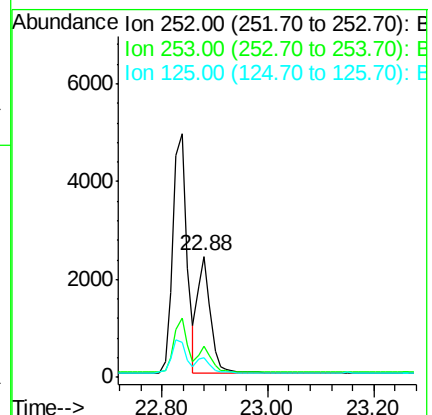
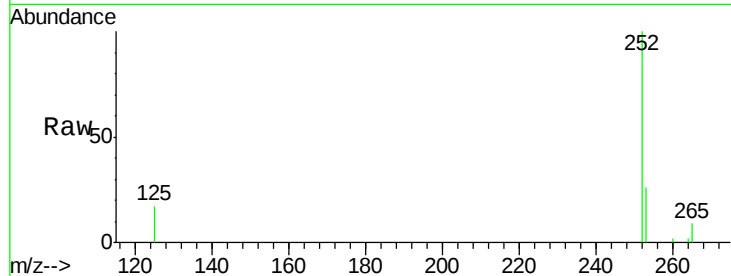
Tgt Ion:252 Resp: 4117

Ion Ratio Lower Upper

252 100

253 26.2 20.8 31.2

125 16.7 12.2 18.4



#25

Benzo(a)pyrene

Concen: 0.34 ng/ul

RT: 23.41 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BM001644.D

Acq: 11 Jun 2015 11:35

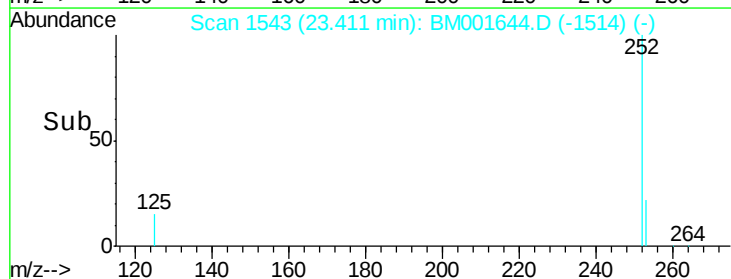
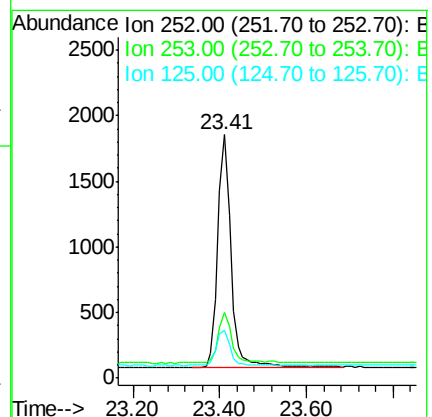
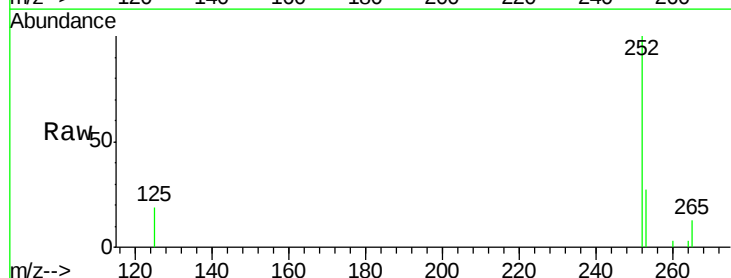
Tgt Ion:252 Resp: 3709

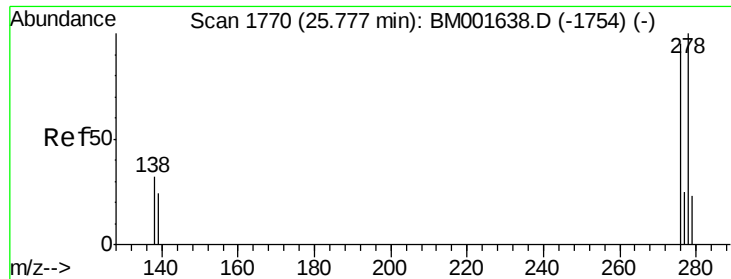
Ion Ratio Lower Upper

252 100

253 26.9 21.8 32.8

125 19.3 14.5 21.7



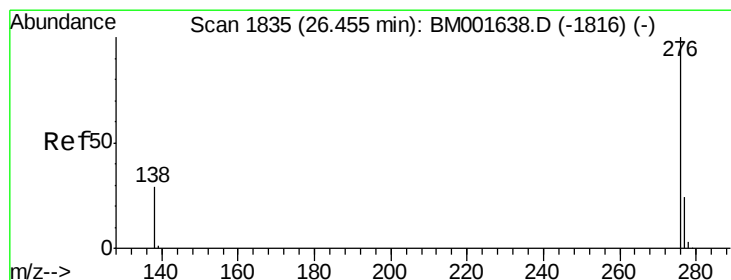
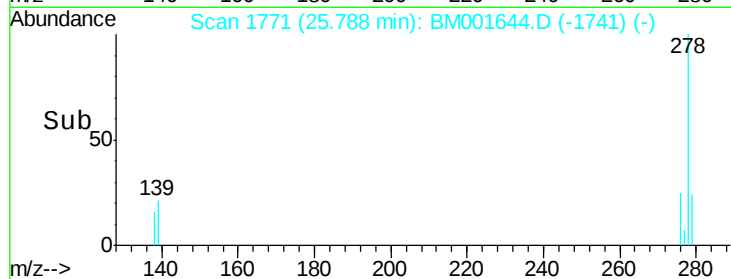
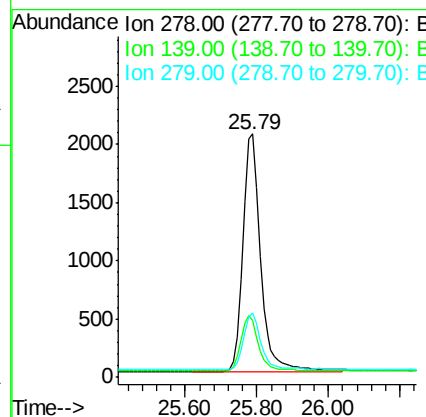
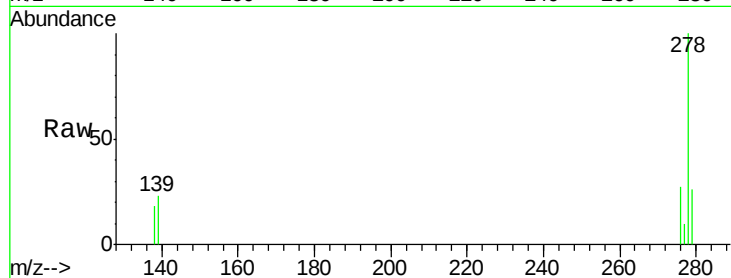


#27
Dibenzo(a,h)anthracene
Concen: 0.70 ng/ul
RT: 25.79 min Scan# 1771
Delta R.T. 0.01 min
Lab File: BM001644.D
Acq: 11 Jun 2015 11:35

Instrument :
BNA_M
ClientSampleId :
X1T57

Tgt Ion: 278 Resp: 6933

Ion	Ratio	Lower	Upper
278	100		
139	23.4	21.7	32.5
279	26.2	21.9	32.9



#28
Benzo(g,h,i)perylene
Concen: 0.32 ng/ul
RT: 26.45 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BM001644.D
Acq: 11 Jun 2015 11:35

Tgt Ion: 276 Resp: 3722

Ion	Ratio	Lower	Upper
276	100		
277	26.9	21.3	31.9
138	33.1	25.5	38.3

