

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032216\
 Data File : BM004737.D
 Acq On : 22 Mar 2016 21:08
 Operator : UM/SJ
 Sample : H1835-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T21

Quant Time: Mar 23 04:13:41 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 23 05:10:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1251	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5188	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2824	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	489273	5.00	ng/ul	0.10
18) Chrysene-d12	21.40	240	4206	5.00	ng/ul	0.00
22) Perylene-d12	23.55	264	432550	5.00	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	1951	3.22	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	2202	0.37	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	5169	0.01	ng/ul	0.00

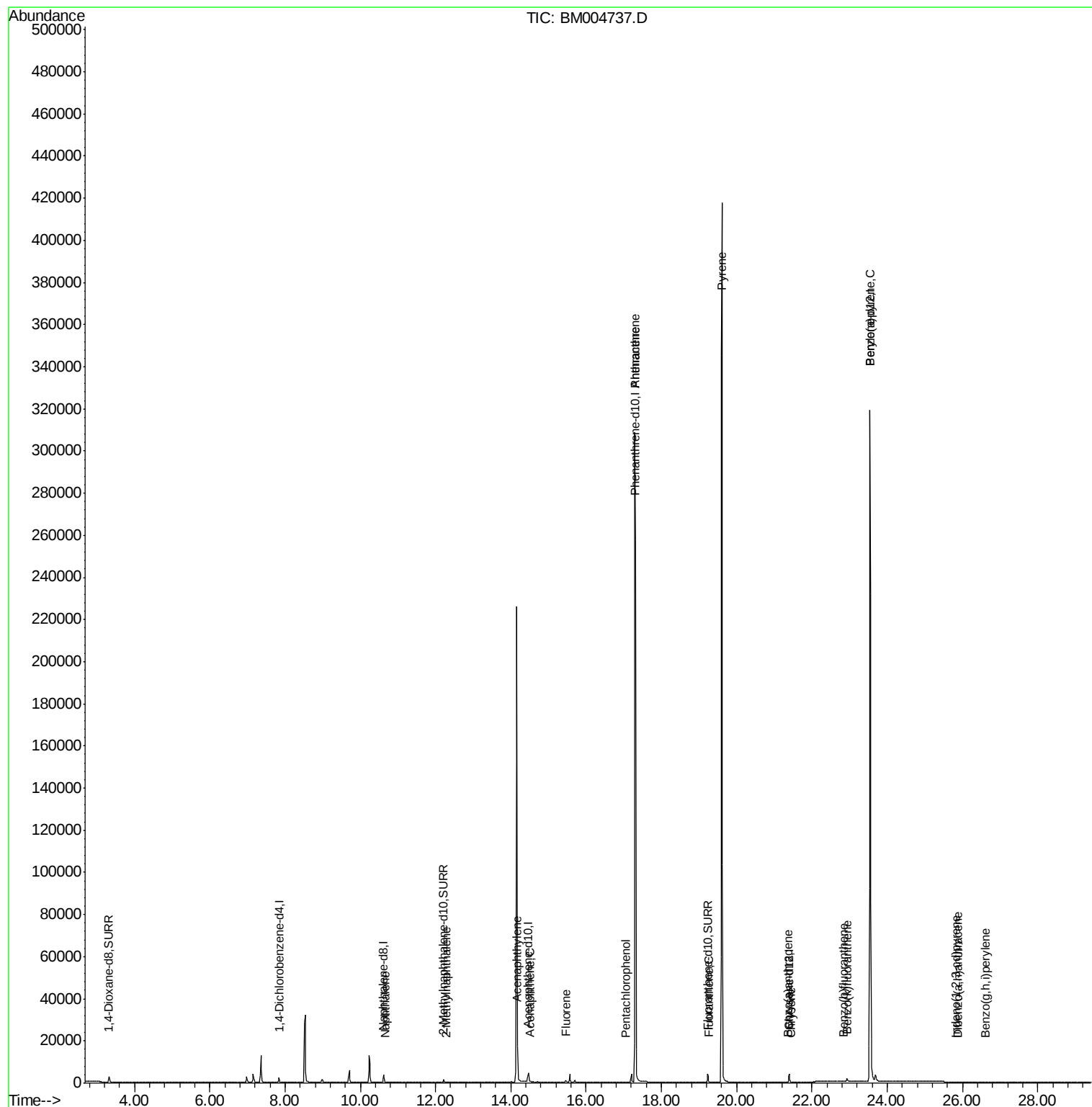
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.67	128	184	0.02	ng/ul#	14
7) 2-Methylnaphthalene	12.29	142	78	0.01	ng/ul	91
9) Acenaphthylene	14.18	152	70	0.01	ng/ul#	1
10) Acenaphthene	14.52	153	43	0.00	ng/ul#	77
11) Fluorene	15.46	166	875	0.09	ng/ul#	23
13) Pentachlorophenol	17.06	266	1	0.00	ng/ul#	1
14) Phenanthrene	17.30	178	369	0.00	ng/ul#	1
15) Anthracene	17.30	178	363	0.00	ng/ul#	1
17) Fluoranthene	19.27	202	81	0.00	ng/ul#	1
19) Pyrene	19.61	202	879	0.06	ng/ul#	1
20) Benzo(a)anthracene	21.38	228	61	0.01	ng/ul#	1
21) Chrysene	21.43	228	51	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.83	252	2	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.93	252	16	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.55	252	1724	0.00	ng/ul#	60
26) Indeno(1,2,3-cd)pyrene	25.83	276	3	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.87	278	3	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.62	276	2	0.00	ng/ul#	1

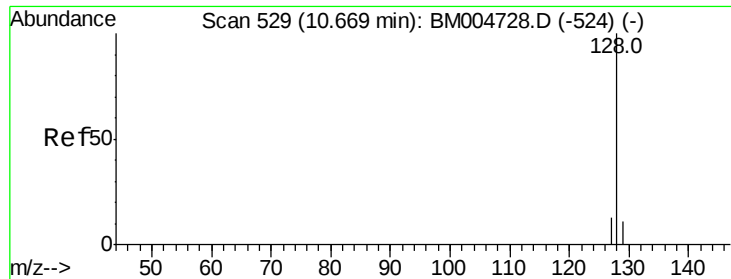
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004737.D

Acq: 22 Mar 2016 21:08

Instrument :

BNA_M

ClientSampleId :

A4T21

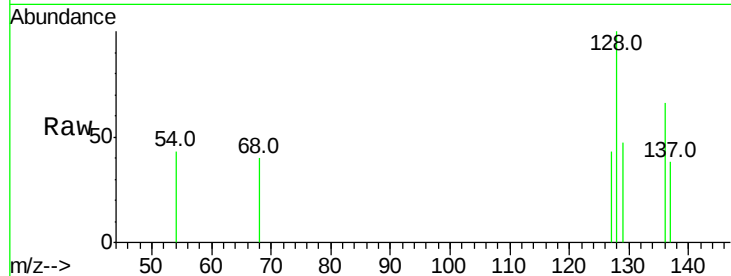
Tot Ion:128 Resp: 184

Ion Ratio Lower Upper

128 100

129 46.8 9.0 13.6#

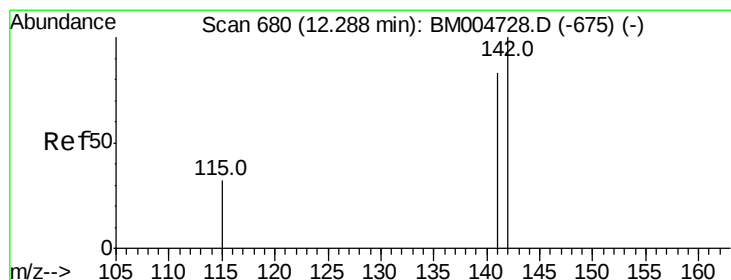
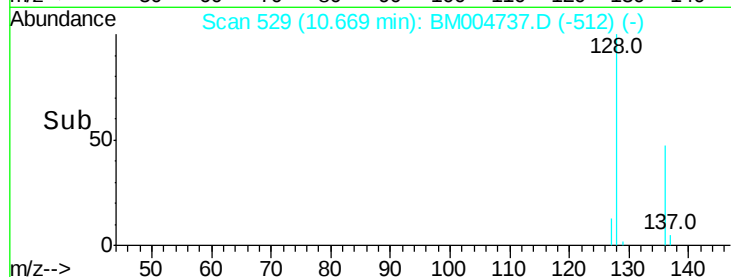
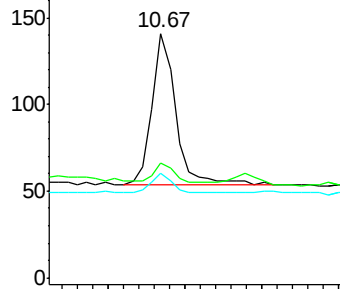
127 42.6 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. -0.00 min

Lab File: BM004737.D

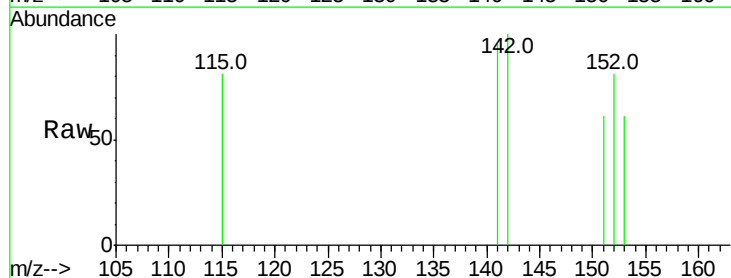
Acq: 22 Mar 2016 21:08

Tgt Ion:142 Resp: 78

Ion Ratio Lower Upper

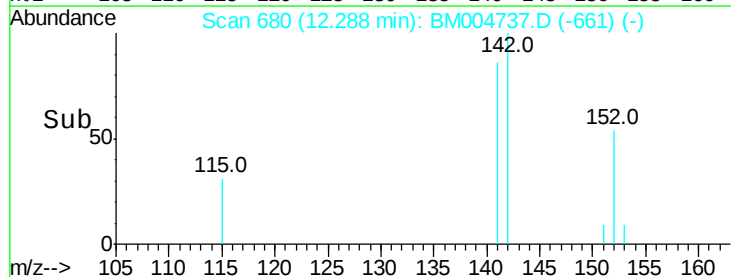
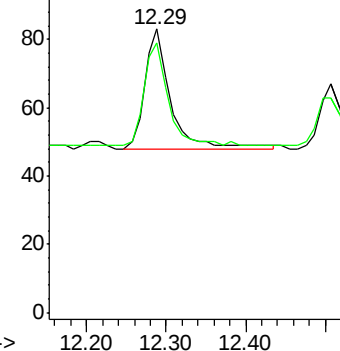
142 100

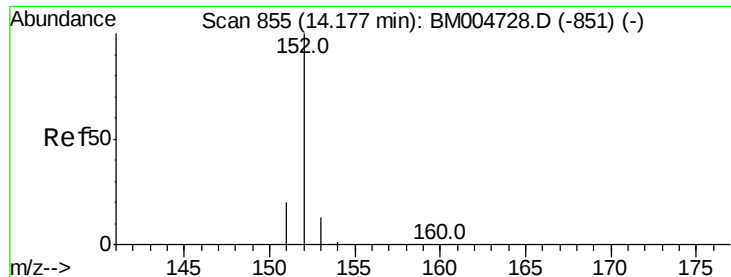
141 79.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004737.D

Acq: 22 Mar 2016 21:08

Instrument :

BNA_M

ClientSampleId :

A4T21

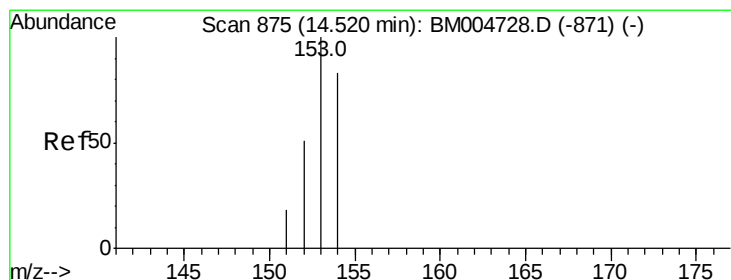
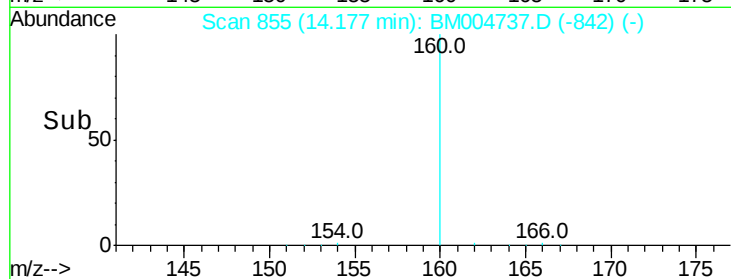
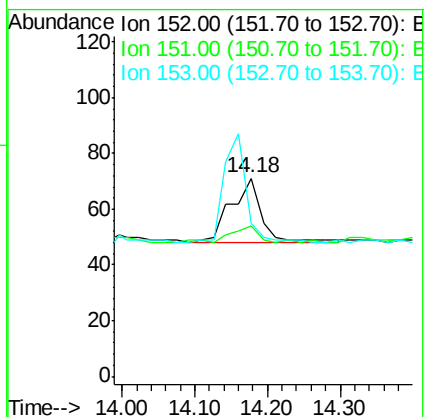
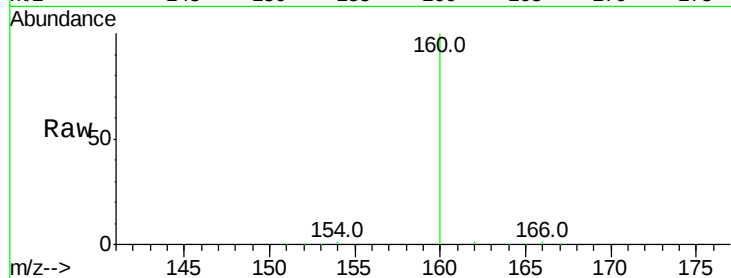
Tot Ion:152 Resp: 70

Ion Ratio Lower Upper

152 100

151 76.1 17.6 26.4#

153 77.5 9.7 14.5#



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004737.D

Acq: 22 Mar 2016 21:08

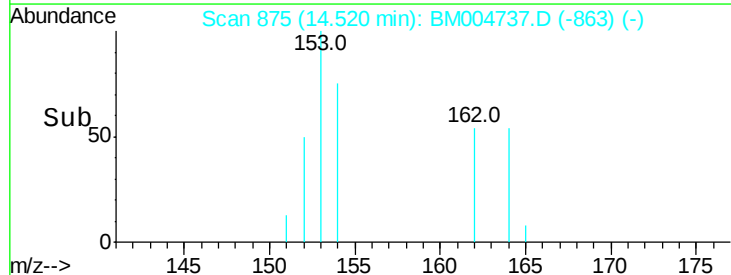
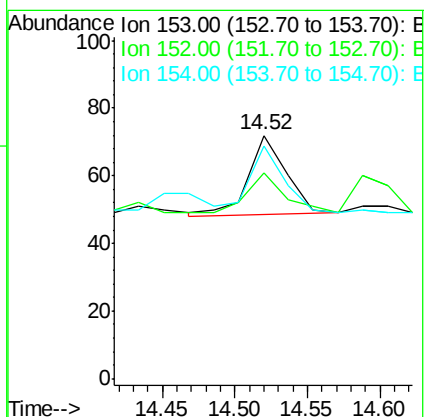
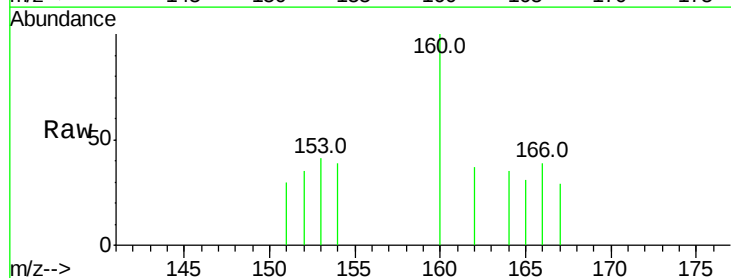
Tgt Ion:153 Resp: 43

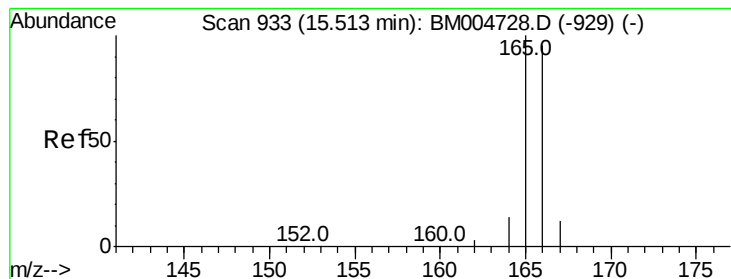
Ion Ratio Lower Upper

153 100

152 84.7 33.9 50.9#

154 95.8 80.6 121.0





#11

Fluorene

Concen: 0.09 ng/ul

RT: 15.46 min Scan# 930

Delta R.T. -0.05 min

Lab File: BM004737.D

Acq: 22 Mar 2016 21:08

Instrument :

BNA_M

ClientSampleId :

A4T21

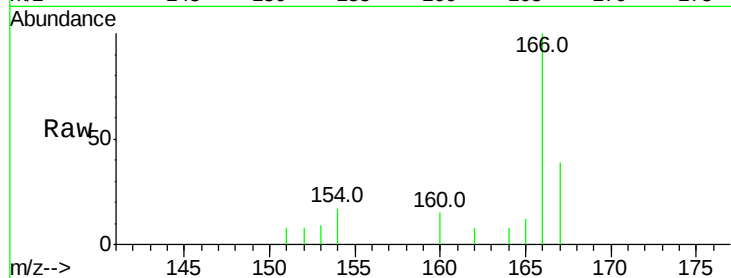
Tot Ion:166 Resp: 875

Ion Ratio Lower Upper

166 100

165 12.3 69.6 104.4#

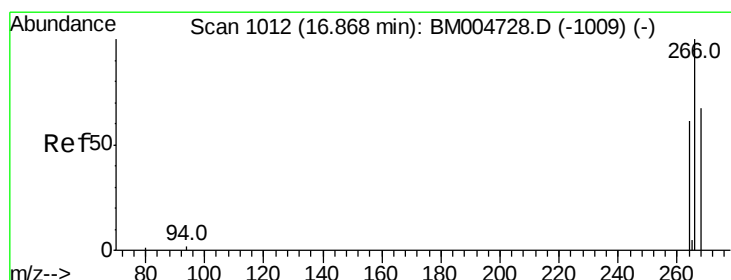
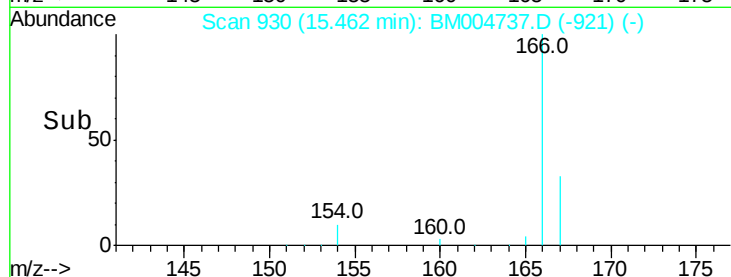
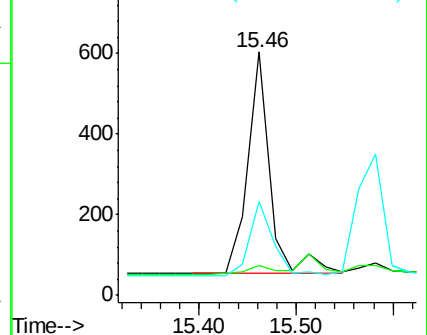
167 38.6 11.9 17.9#



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: 0.00 ng/ul

RT: 17.06 min Scan# 1023

Delta R.T. 0.19 min

Lab File: BM004737.D

Acq: 22 Mar 2016 21:08

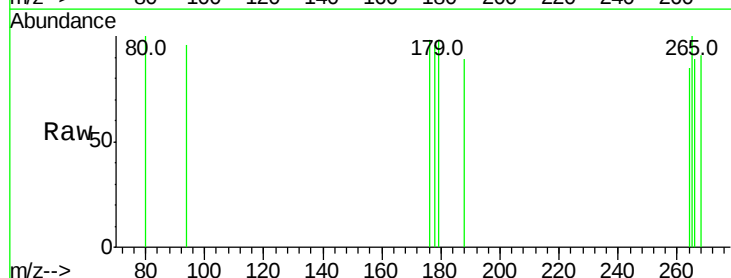
Tgt Ion:266 Resp: 1

Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

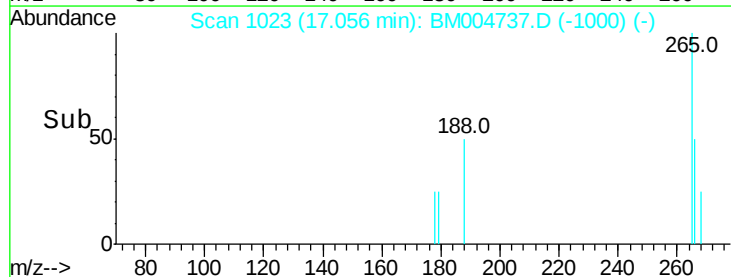
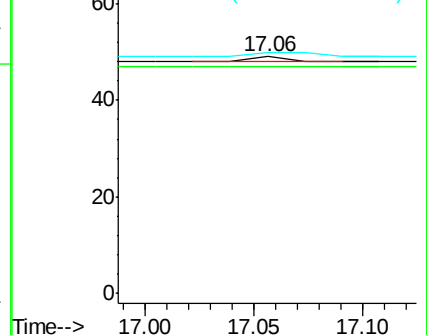
268 200.0 46.8 70.2#

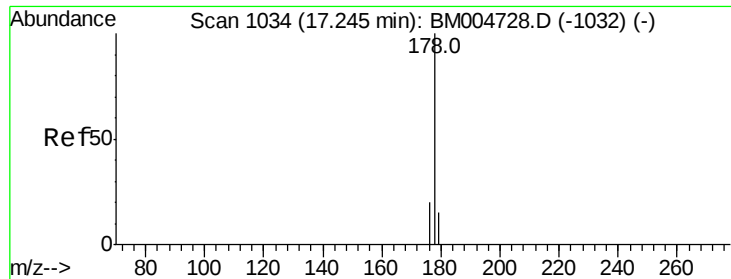


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. 0.05 min

Lab File: BM004737.D

Acq: 22 Mar 2016 21:08

Instrument :

BNA_M

ClientSampleId :

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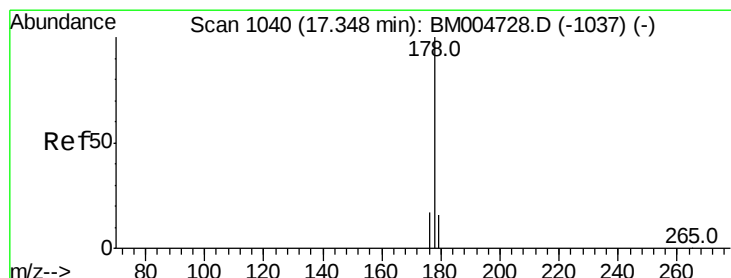
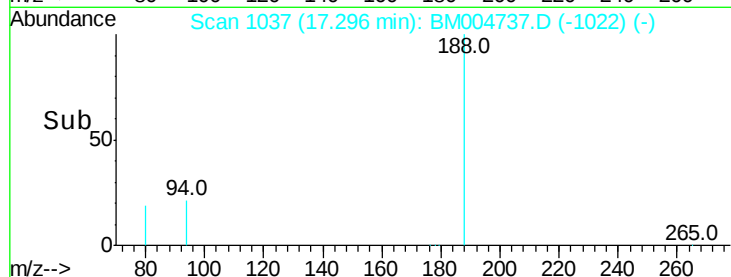
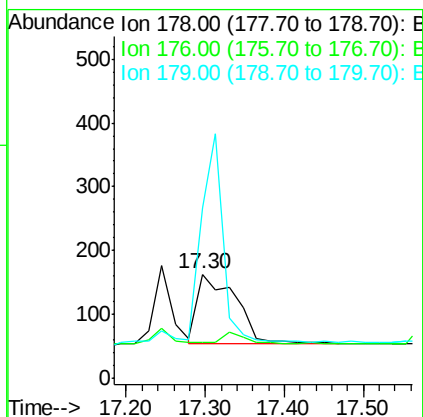
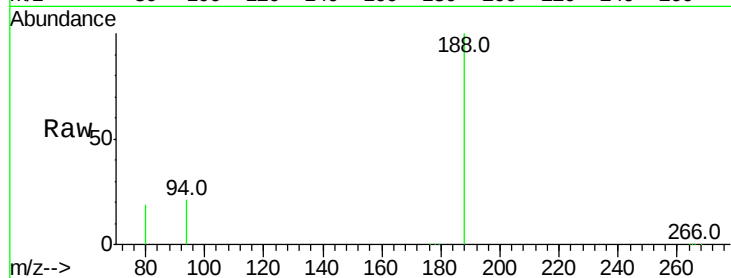
Tot Ion:178 Resp: 369

Ion Ratio Lower Upper

178 100

176 34.4 13.0 19.4#

179 163.2 14.2 21.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BM004737.D

Acq: 22 Mar 2016 21:08

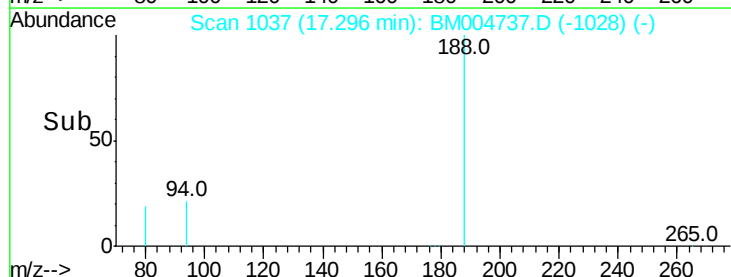
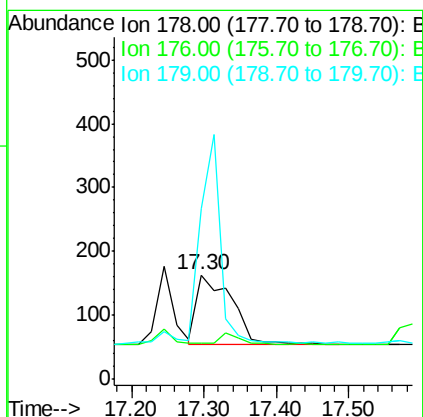
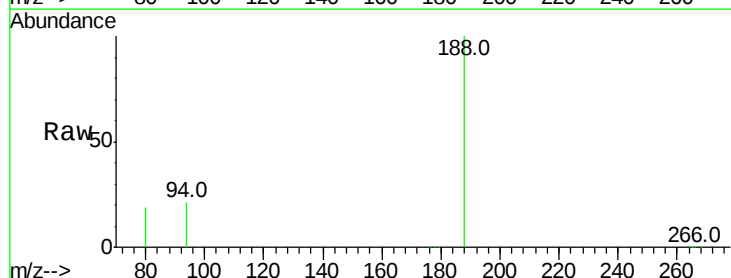
Tgt Ion:178 Resp: 363

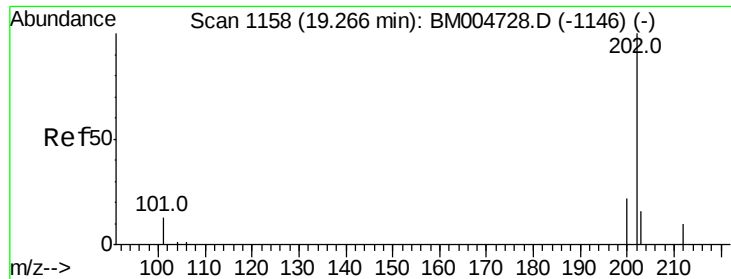
Ion Ratio Lower Upper

178 100

176 34.4 14.0 21.0#

179 163.2 12.9 19.3#





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BM004737.D

Acq: 22 Mar 2016 21:08

Instrument :

BNA_M

ClientSampleId :

A4T21

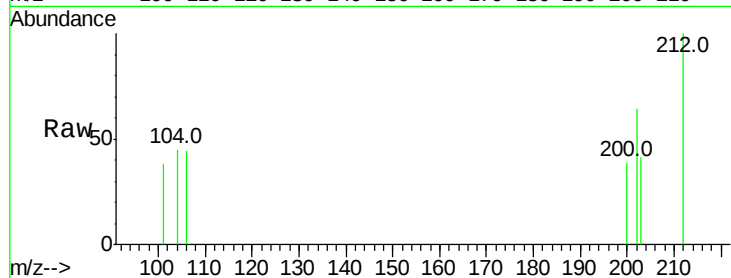
Tot Ion:202 Resp: 81

Ion Ratio Lower Upper

202 100

101 59.6 0.0 29.6#

203 63.8 0.0 36.3#



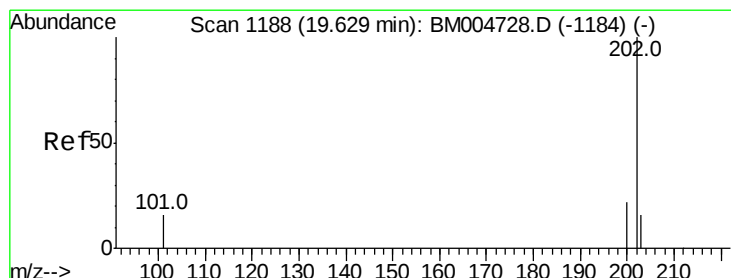
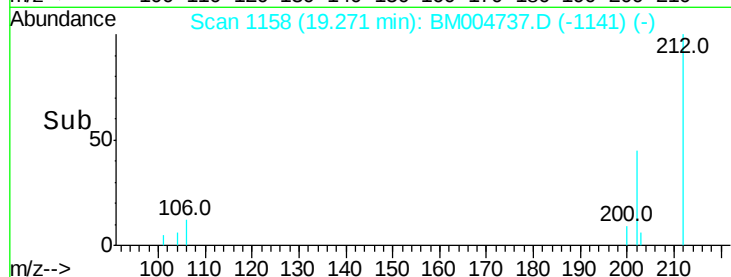
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.27

Time--> 19.10 19.20 19.30 19.40



#19

Pyrene

Concen: 0.06 ng/ul

RT: 19.61 min Scan# 1186

Delta R.T. -0.02 min

Lab File: BM004737.D

Acq: 22 Mar 2016 21:08

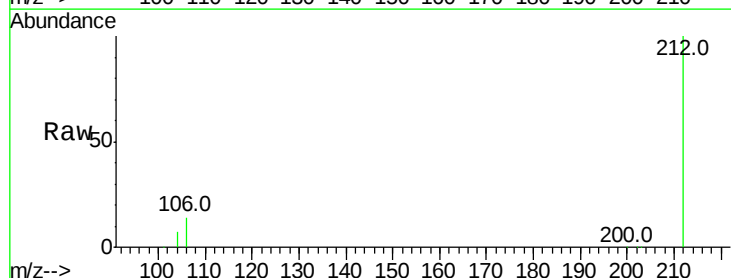
Tgt Ion:202 Resp: 879

Ion Ratio Lower Upper

202 100

200 11.7 17.8 26.8#

203 215.3 12.8 19.2#



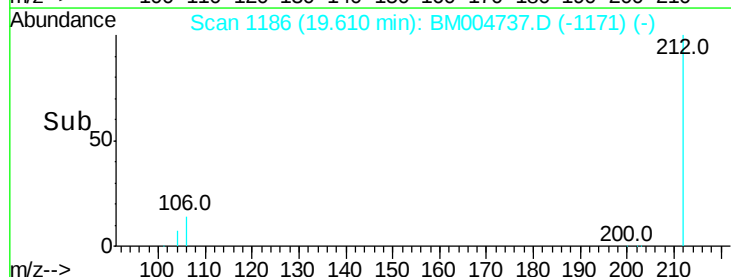
Abundance Ion 202.00 (201.70 to 202.70): E

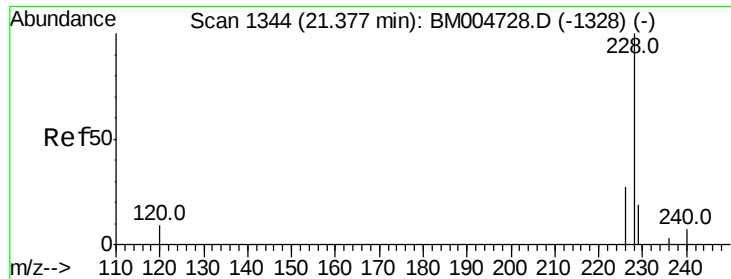
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

19.61

Time--> 19.50 19.60 19.70 19.80





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM004737.D

Acq: 22 Mar 2016 21:08

Instrument :

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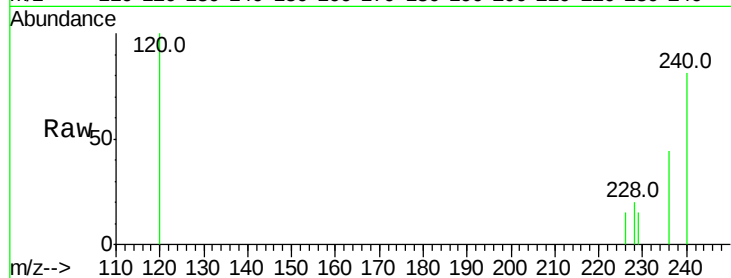
Tot Ion:228 Resp: 61

Ion Ratio Lower Upper

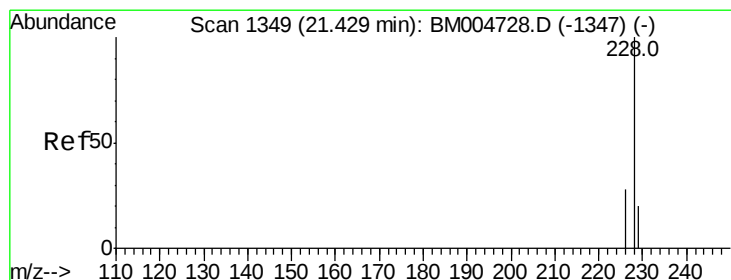
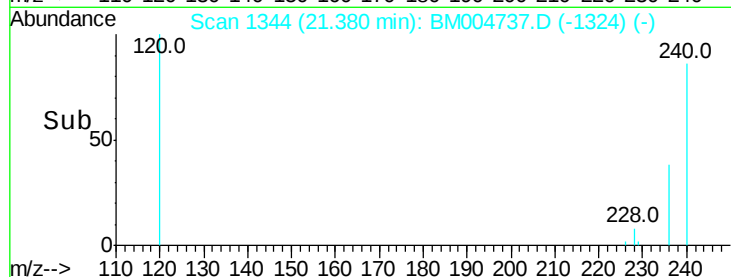
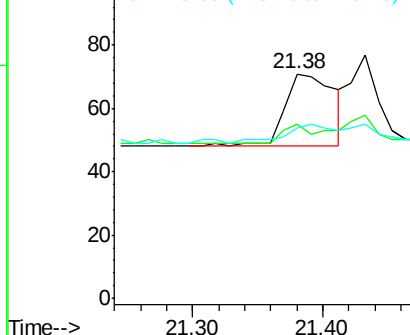
228 100

226 77.5 18.8 28.2#

229 76.1 17.1 25.7#



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: 0.00 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BM004737.D

Acq: 22 Mar 2016 21:08

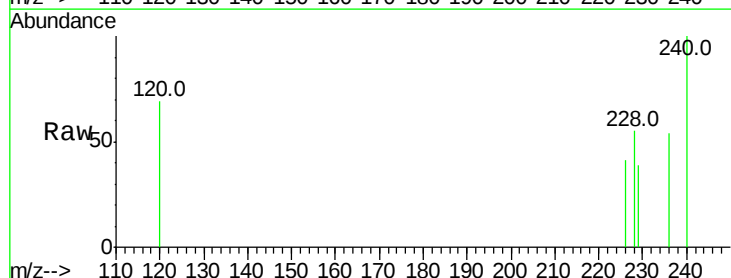
Tgt Ion:228 Resp: 51

Ion Ratio Lower Upper

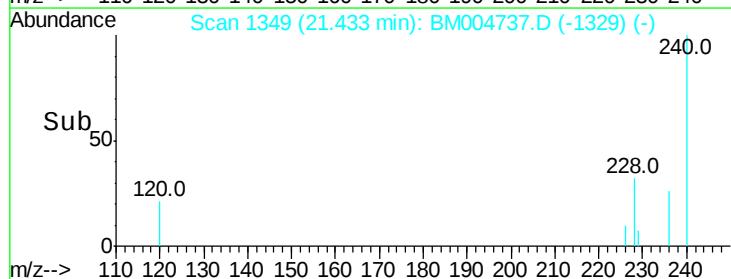
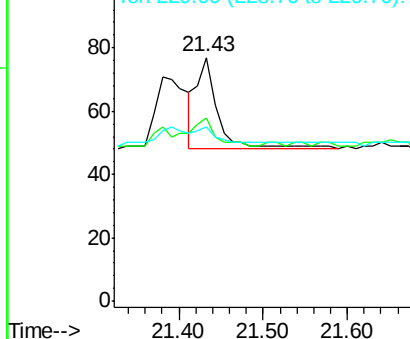
228 100

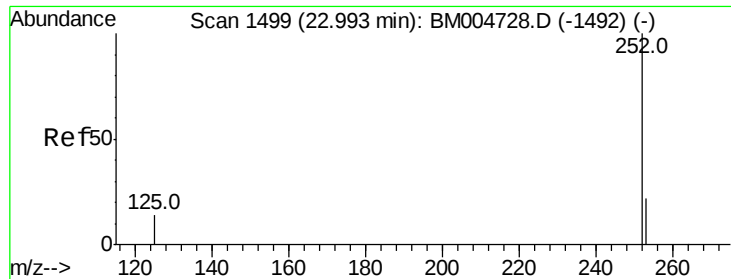
226 75.3 21.2 31.8#

229 71.4 17.0 25.6#



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: 0.00 ng/u1

RT: 22.83 min Scan# 1483

Delta R.T. -0.16 min

Lab File: BM004737.D

Acq: 22 Mar 2016 21:08

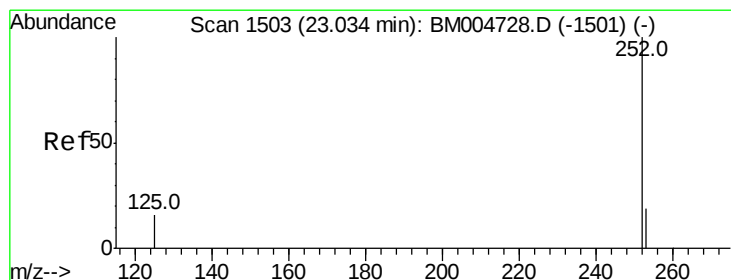
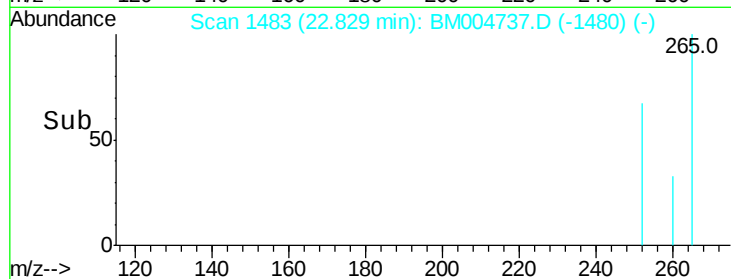
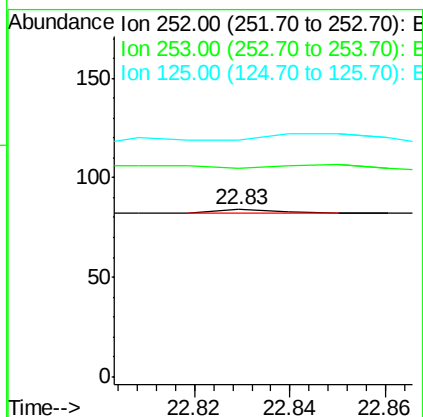
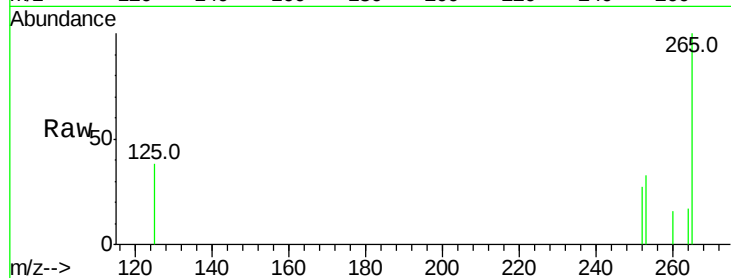
Instrument :

BNA_M

ClientSampleId :

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Tot	Ion:252	Resp:	2
Ion	Ratio	Lower	Upper
252	100		
253	125.0	0.0	45.4#
125	141.7	0.0	28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

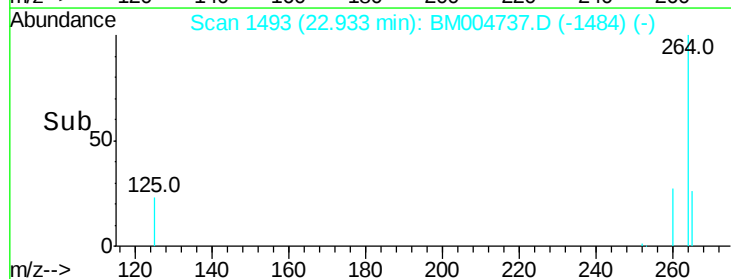
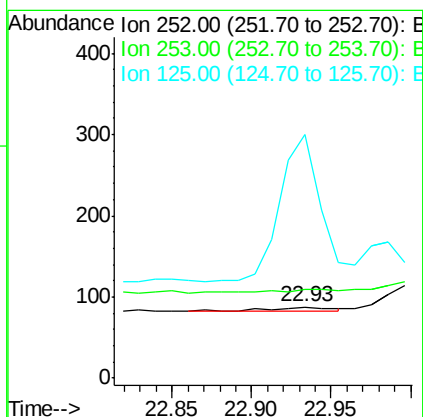
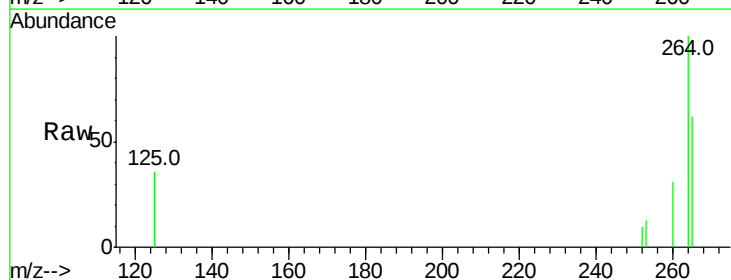
RT: 22.93 min Scan# 1493

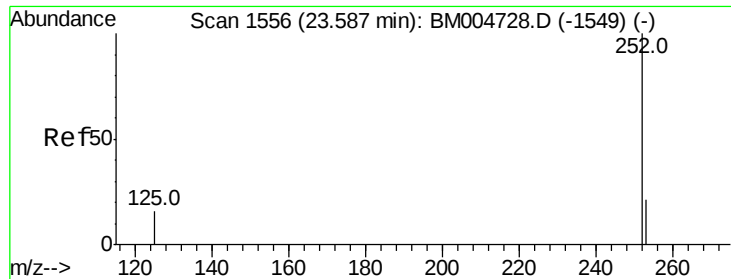
Delta R.T. -0.10 min

Lab File: BM004737.D

Acq: 22 Mar 2016 21:08

Tgt	Ion:252	Resp:	16
Ion	Ratio	Lower	Upper
252	100		
253	123.9	19.8	29.8#
125	340.9	10.4	15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.55 min Scan# 1552

Delta R.T. -0.04 min

Lab File: BM004737.D

Acq: 22 Mar 2016 21:08

Instrument :

BNA_M

ClientSampleId :

A4T21

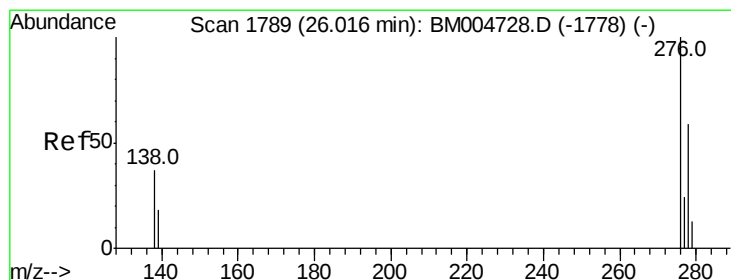
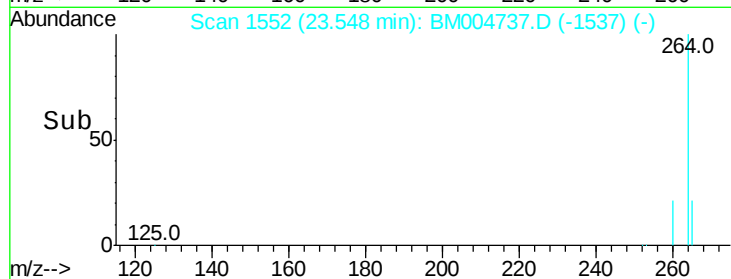
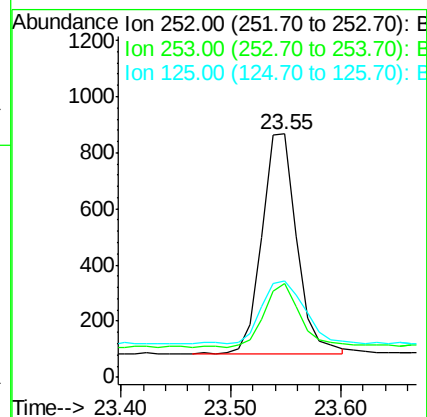
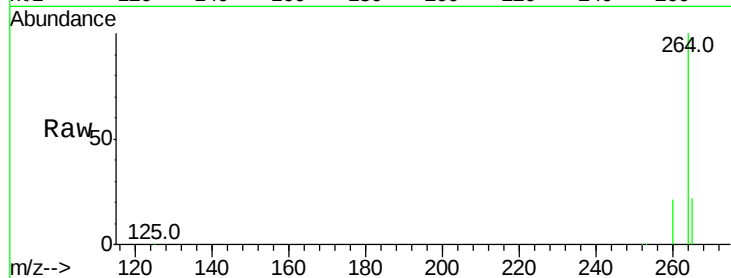
Tot Ion:252 Resp: 1724

Ion Ratio Lower Upper

252 100

253 38.6 19.4 29.2#

125 39.7 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.83 min Scan# 1771

Delta R.T. -0.18 min

Lab File: BM004737.D

Acq: 22 Mar 2016 21:08

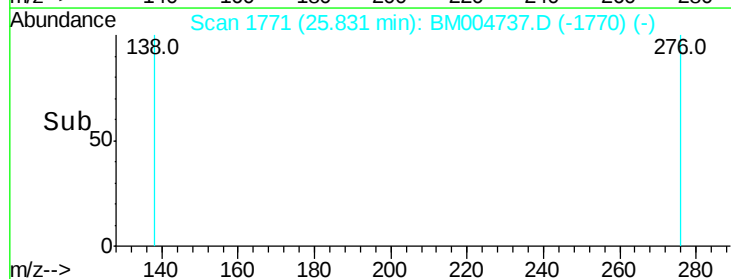
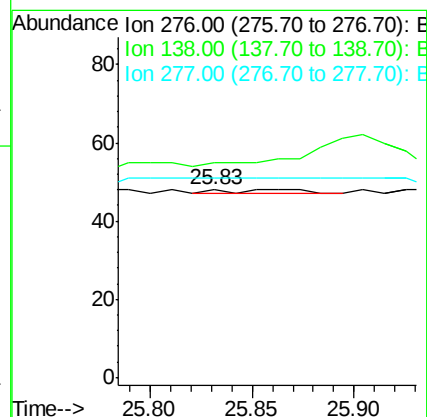
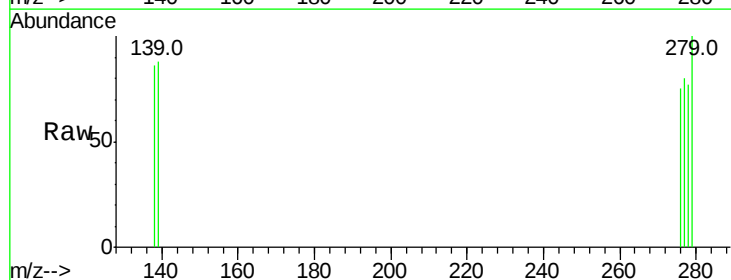
Tgt Ion:276 Resp: 3

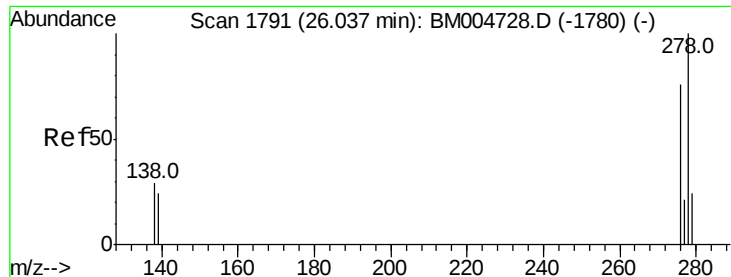
Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

277 0.0 19.8 29.8#

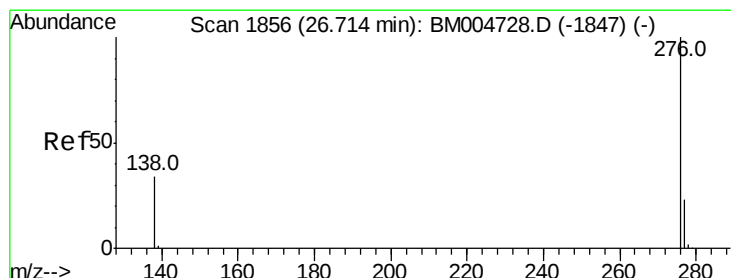
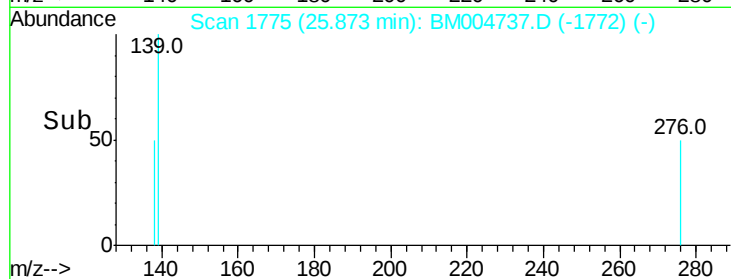
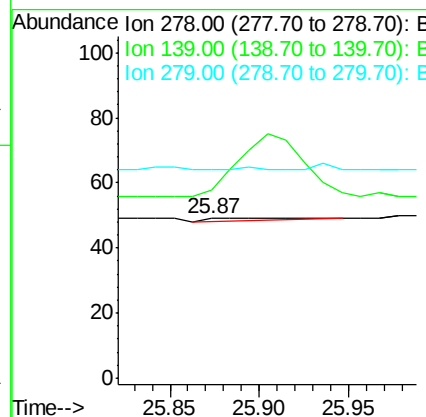
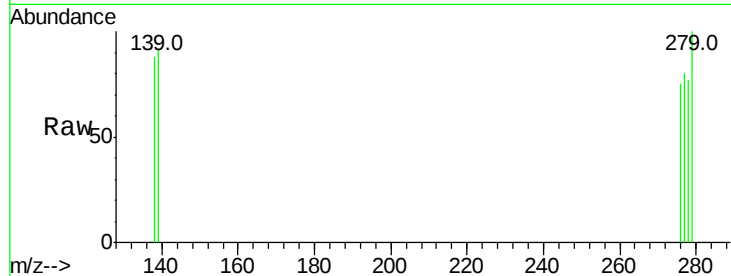




#27
 Dibenzo(a,h)anthracene
 Concen: 0.00 ng/ul
 RT: 25.87 min Scan# 1775
 Delta R.T. -0.16 min
 Lab File: BM004737.D
 Acq: 22 Mar 2016 21:08

Instrument :
 BNA_M
 ClientSampleId :
 A4T21

Tot Ion:278 Resp: 3
 Ion Ratio Lower Upper
 278 100
 139 118.4 16.4 24.6#
 279 130.6 20.2 30.2#



#28
 Benzo(g,h,i)perylene
 Concen: 0.00 ng/ul
 RT: 26.62 min Scan# 1847
 Delta R.T. -0.09 min
 Lab File: BM004737.D
 Acq: 22 Mar 2016 21:08

Tgt Ion:276 Resp: 2
 Ion Ratio Lower Upper
 276 100
 277 106.3 18.9 28.3#
 138 114.6 22.5 33.7#

