

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032216\
 Data File : BM004732.D
 Acq On : 22 Mar 2016 18:06
 Operator : UM/SJ
 Sample : H1835-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T11

Quant Time: Mar 23 04:12:48 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	1359	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5694	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	3011	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	427240	5.00	ng/ul	0.10
18) Chrysene-d12	21.40	240	3887	5.00	ng/ul	0.00
22) Perylene-d12	23.55	264	354118	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	1854	2.81	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	2270	0.35	ng/ul	0.00
16) Fluoranthene-d10	19.25	212	4385	0.01	ng/ul	0.00

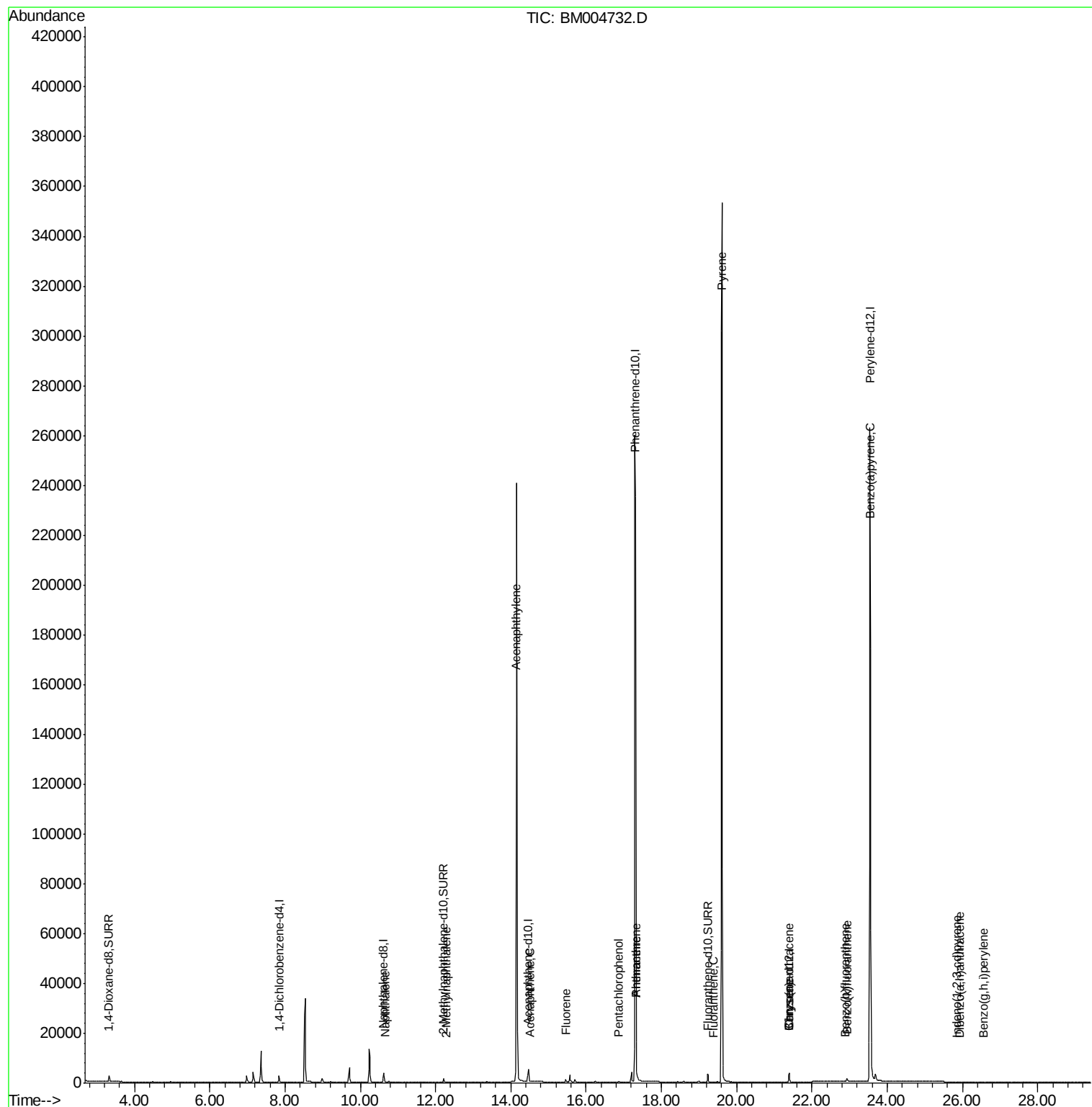
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.67	128	142	0.01	ng/ul#	1
7) 2-Methylnaphthalene	12.29	142	46	0.01	ng/ul	85
9) Acenaphthylene	14.14	152	47	0.00	ng/ul#	1
10) Acenaphthene	14.52	153	21	0.00	ng/ul#	76
11) Fluorene	15.46	166	823	0.08	ng/ul#	23
13) Pentachlorophenol	16.87	266	73	0.00	ng/ul	92
14) Phenanthrene	17.33	178	532	0.00	ng/ul#	38
15) Anthracene	17.33	178	542	0.00	ng/ul#	38
17) Fluoranthene	19.39	202	3	0.00	ng/ul#	1
19) Pyrene	19.61	202	749	0.06	ng/ul#	1
20) Benzo(a)anthracene	21.39	228	29	0.00	ng/ul#	1
21) Chrysene	21.39	228	29	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.88	252	1	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.93	252	8	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.54	252	1415	0.00	ng/ul#	61
26) Indeno(1,2,3-cd)pyrene	25.84	276	2	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.93	278	1	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.55	276	3	0.00	ng/ul#	1

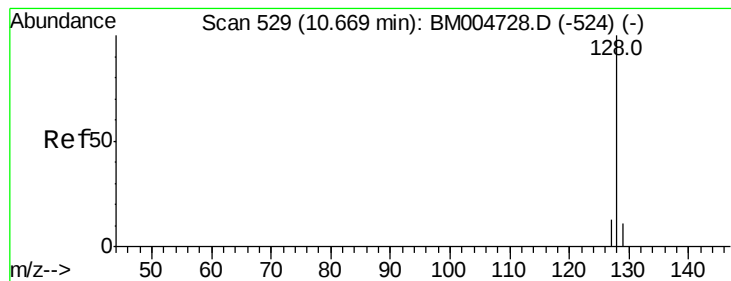
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004732.D

Acq: 22 Mar 2016 18:06

Instrument :

BNA_M

ClientSampleId :

A4T11

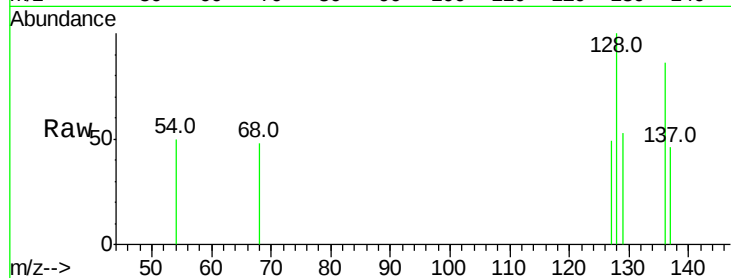
Tot Ion:128 Resp: 142

Ion Ratio Lower Upper

128 100

129 52.5 9.0 13.6#

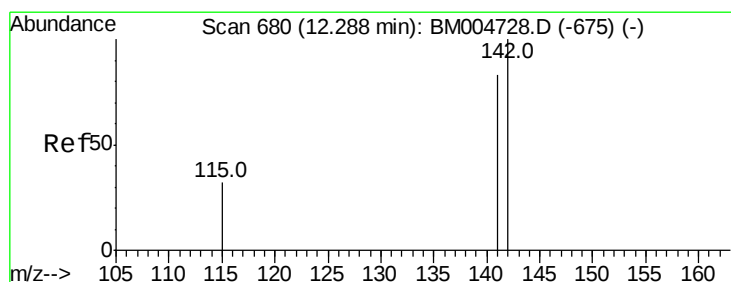
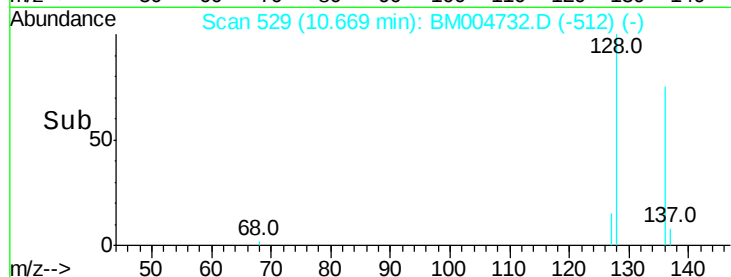
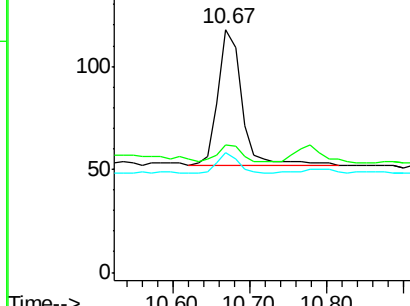
127 49.2 9.6 14.4#



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: BM004732.D

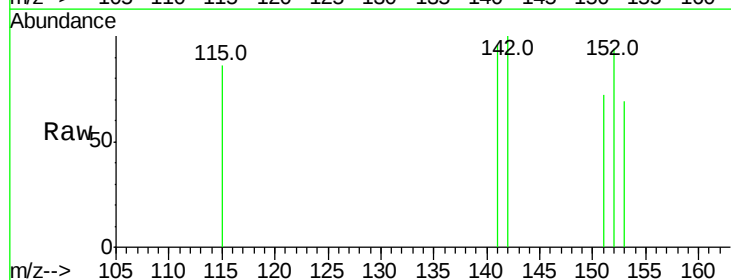
Acq: 22 Mar 2016 18:06

Tgt Ion:142 Resp: 46

Ion Ratio Lower Upper

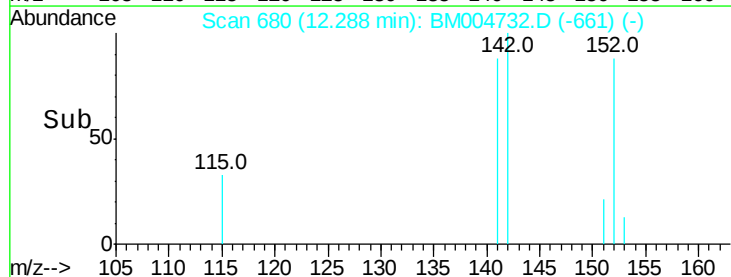
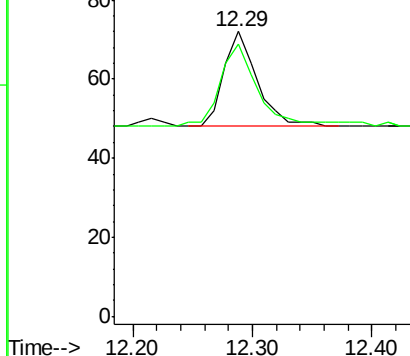
142 100

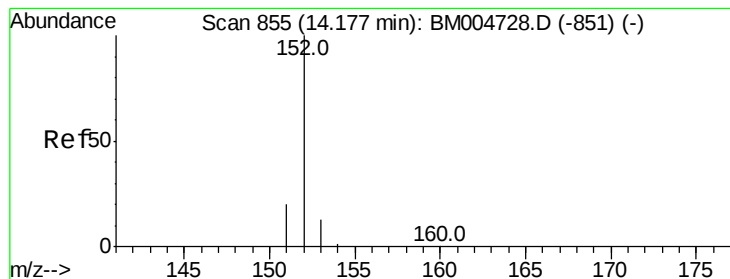
141 102.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.03 min

Lab File: BM004732.D

Acq: 22 Mar 2016 18:06

Instrument :

BNA_M

ClientSampleId :

A4T11

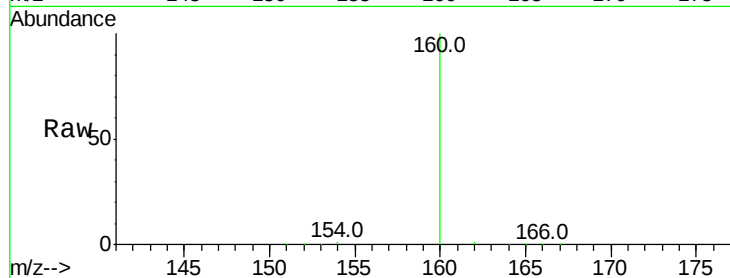
Tot Ion:152 Resp: 47

Ion Ratio Lower Upper

152 100

151 83.6 17.6 26.4#

153 124.6 9.7 14.5#



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

120

100

80

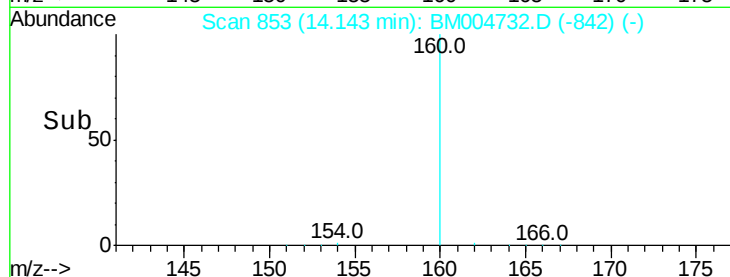
60

40

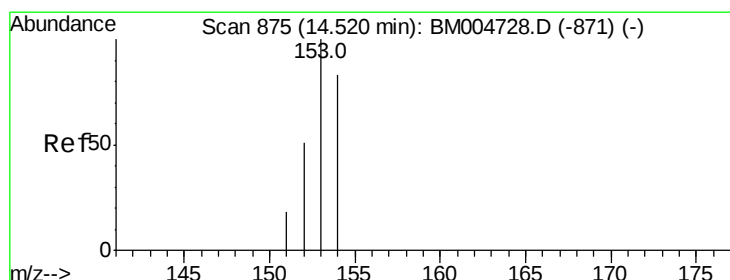
20

0

Time-->



14.14



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004732.D

Acq: 22 Mar 2016 18:06

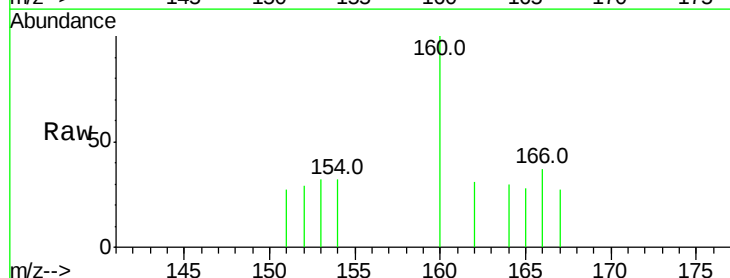
Tgt Ion:153 Resp: 21

Ion Ratio Lower Upper

153 100

152 90.0 33.9 50.9#

154 98.3 80.6 121.0



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

80

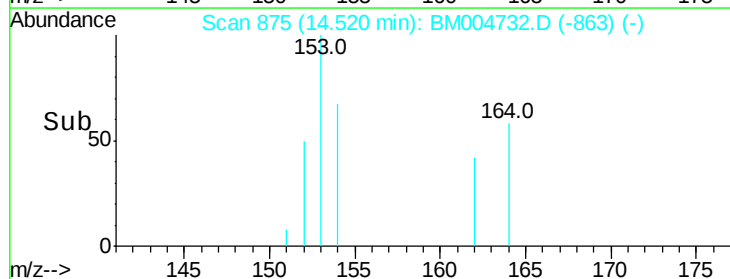
60

40

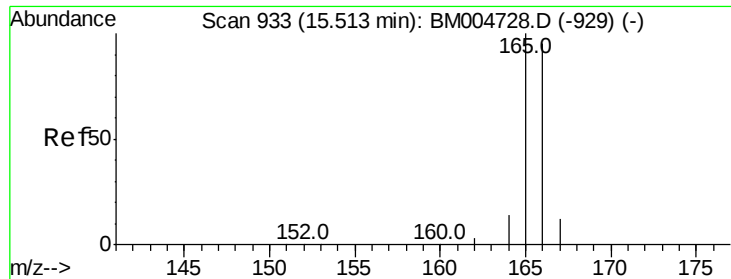
20

0

Time-->



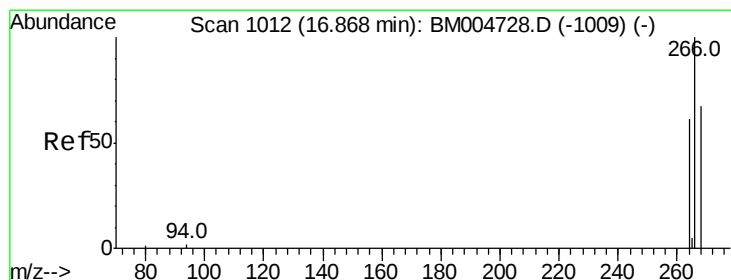
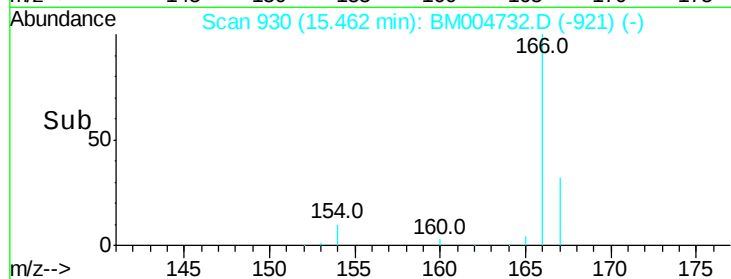
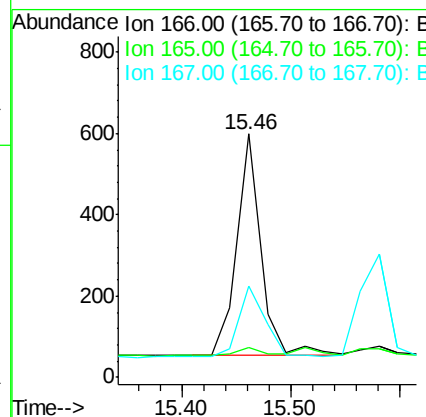
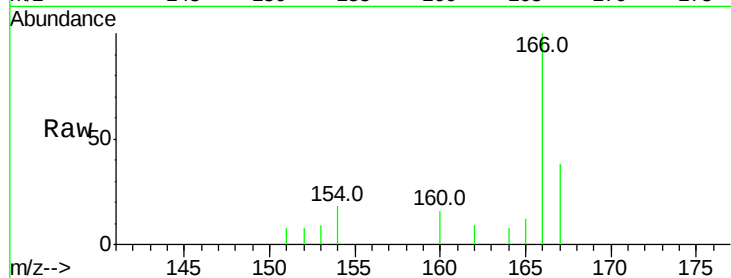
14.52



#11
Fluorene
 Concen: 0.08 ng/ul
 RT: 15.46 min Scan# 930
 Delta R.T. -0.05 min
 Lab File: BM004732.D
 Acq: 22 Mar 2016 18:06

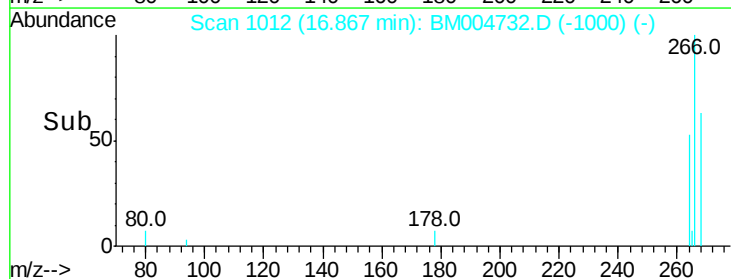
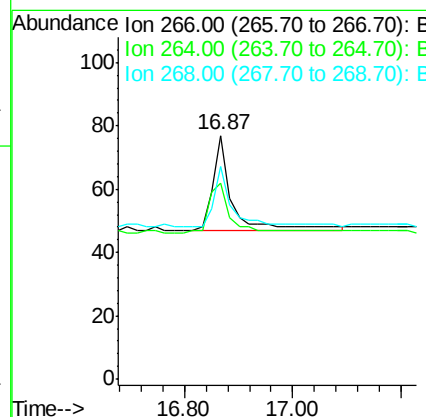
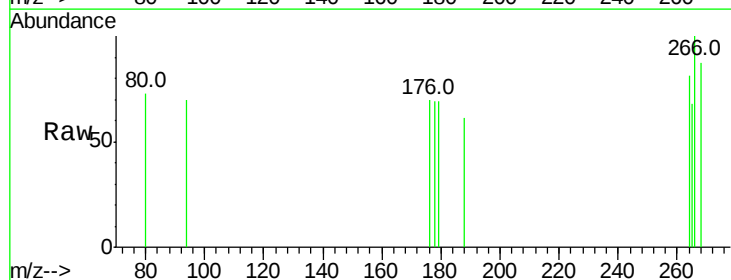
Instrument :
 BNA_M
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 A4T11

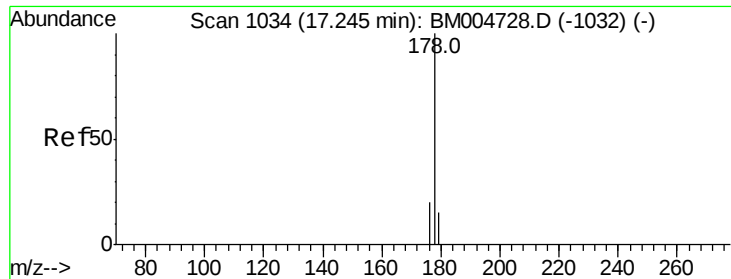
Tot Ion:166 Resp: 823
 Ion Ratio Lower Upper
 166 100
 165 12.2 69.6 104.4#
 167 37.7 11.9 17.9#



#13
Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: BM004732.D
 Acq: 22 Mar 2016 18:06

Tgt Ion:266 Resp: 73
 Ion Ratio Lower Upper
 266 100
 264 69.9 51.8 77.8
 268 65.8 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.09 min

Lab File: BM004732.D

Acq: 22 Mar 2016 18:06

Instrument :

BNA_M

ClientSampleId :

A4T11

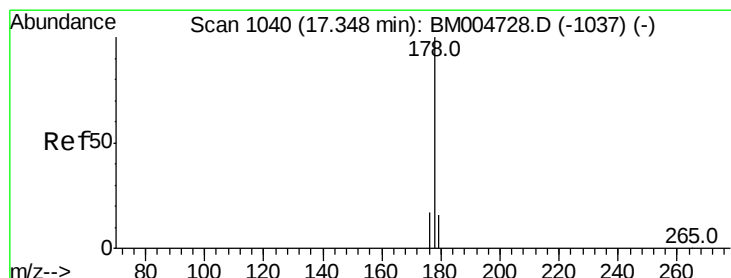
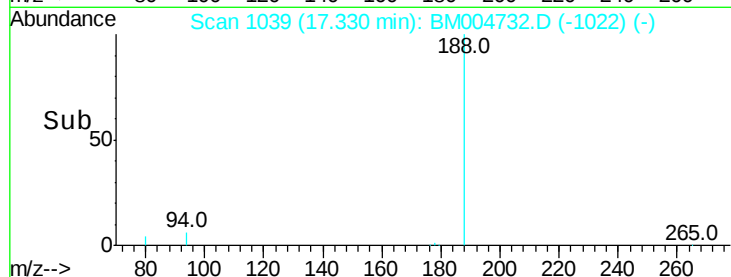
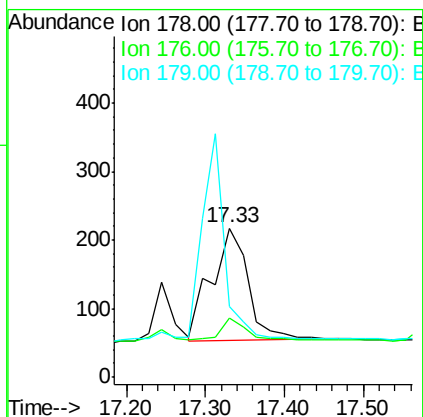
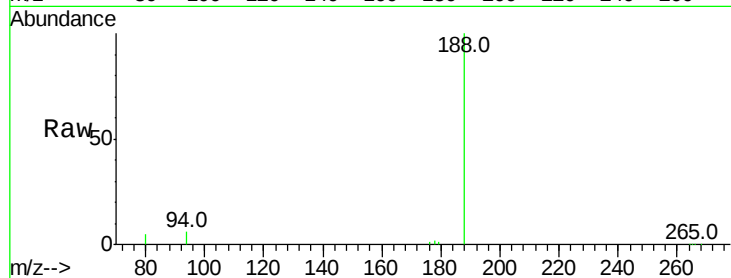
Tot Ion:178 Resp: 532

Ion Ratio Lower Upper

178 100

176 40.1 13.0 19.4#

179 47.5 14.2 21.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.02 min

Lab File: BM004732.D

Acq: 22 Mar 2016 18:06

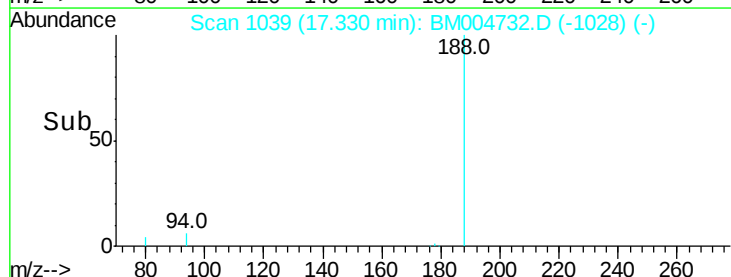
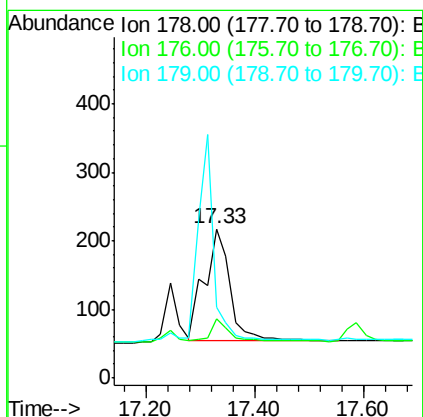
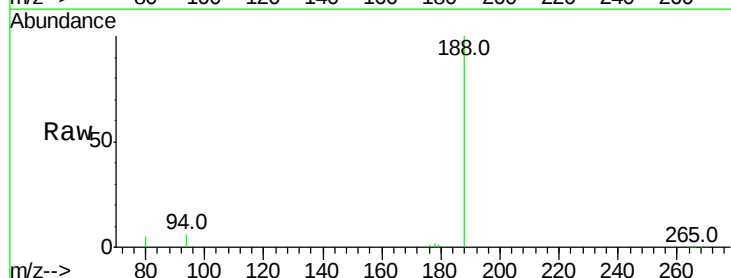
Tgt Ion:178 Resp: 542

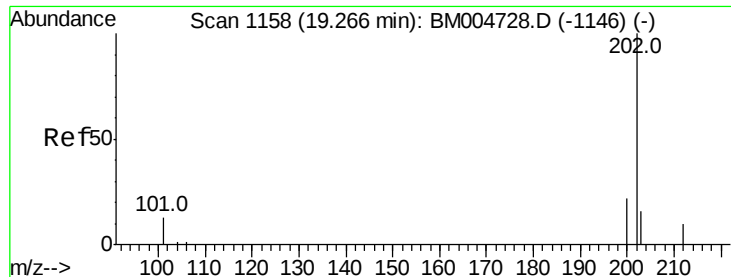
Ion Ratio Lower Upper

178 100

176 40.1 14.0 21.0#

179 47.5 12.9 19.3#

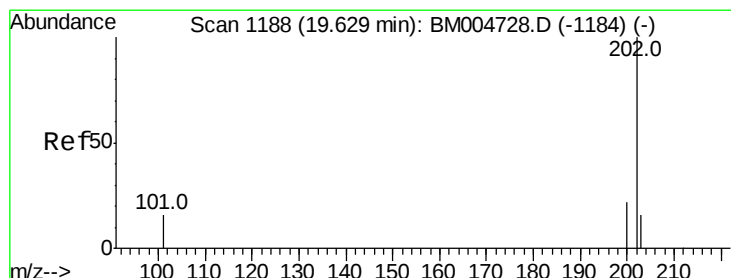
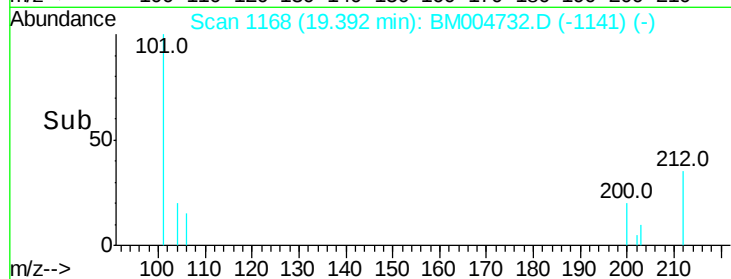
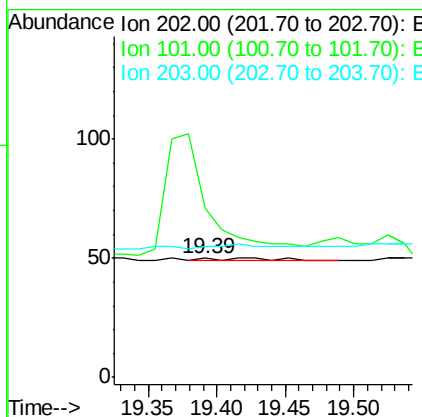
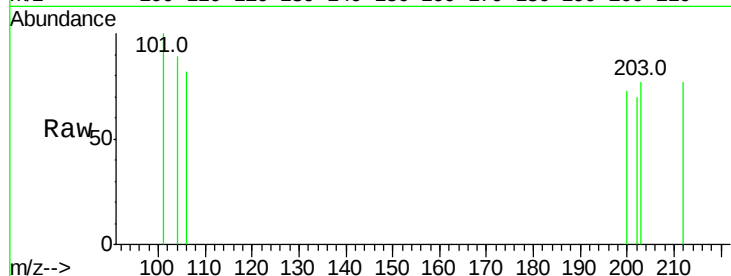




#17
Fluoranthene
Concen: 0.00 ng/ul
RT: 19.39 min Scan# 1168
Delta R.T. 0.13 min
Lab File: BM004732.D
Acq: 22 Mar 2016 18:06

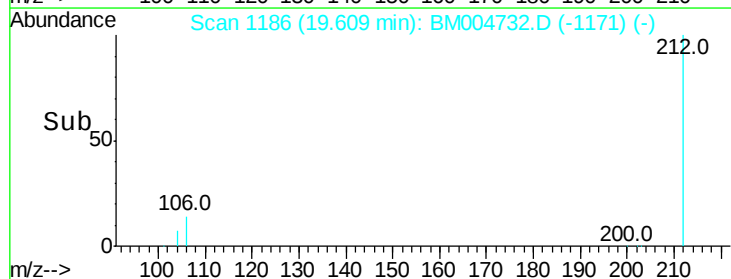
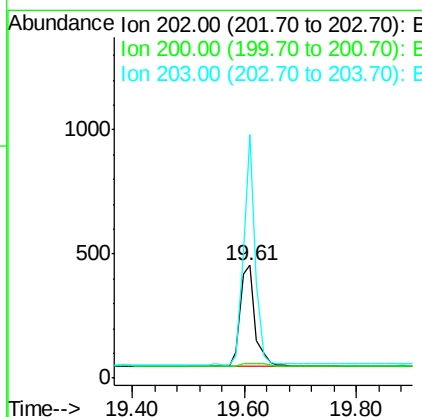
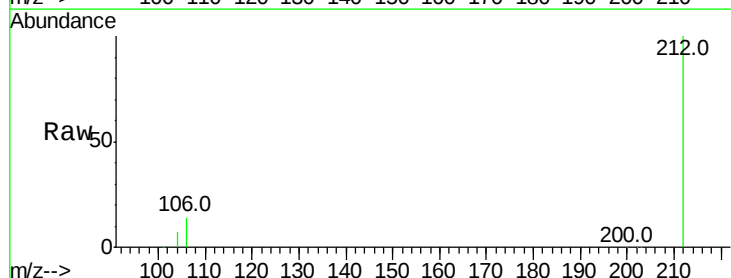
Instrument :
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A4T11

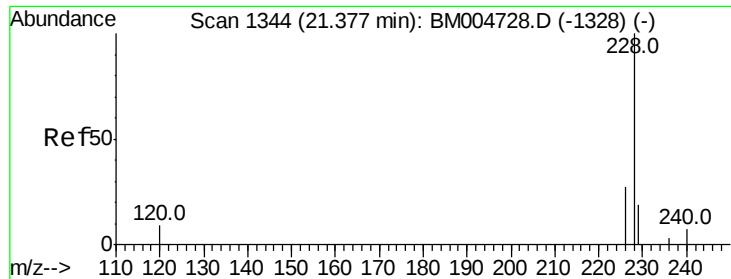
Tot Ion:202 Resp: 3
Ion Ratio Lower Upper
202 100
101 142.0 0.0 29.6#
203 110.0 0.0 36.3#



#19
Pyrene
Concen: 0.06 ng/ul
RT: 19.61 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BM004732.D
Acq: 22 Mar 2016 18:06

Tgt Ion:202 Resp: 749
Ion Ratio Lower Upper
202 100
200 13.2 17.8 26.8#
203 216.1 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. 0.01 min

Lab File: BM004732.D

Acq: 22 Mar 2016 18:06

Instrument :

BNA_M

ClientSampleId :

A4T11

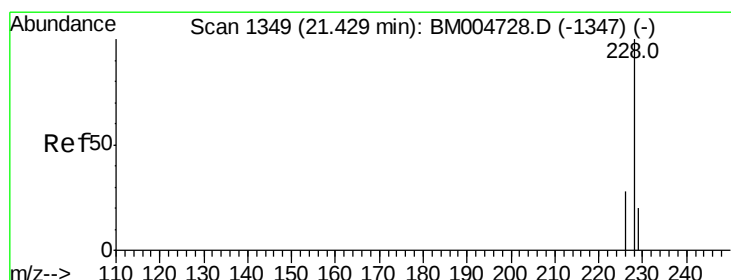
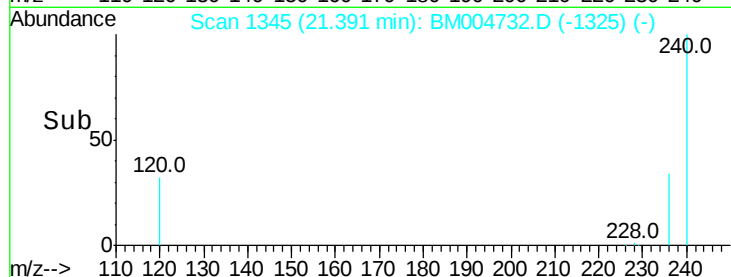
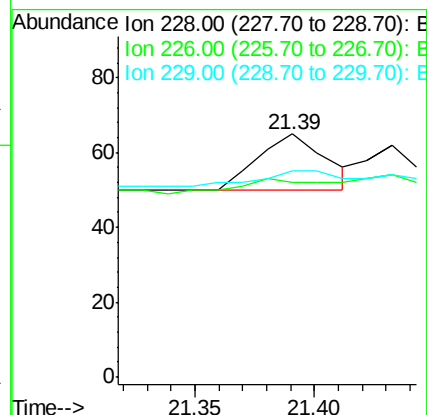
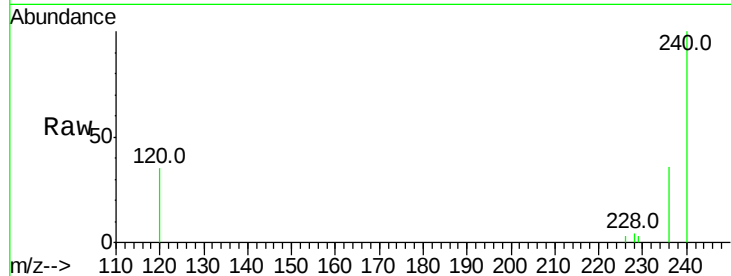
Tot Ion:228 Resp: 29

Ion Ratio Lower Upper

228 100

226 80.0 18.8 28.2#

229 84.6 17.1 25.7#



#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. -0.04 min

Lab File: BM004732.D

Acq: 22 Mar 2016 18:06

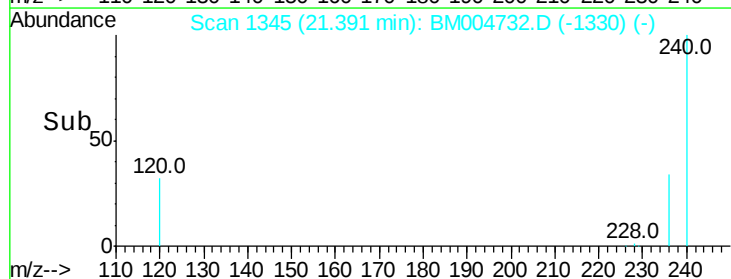
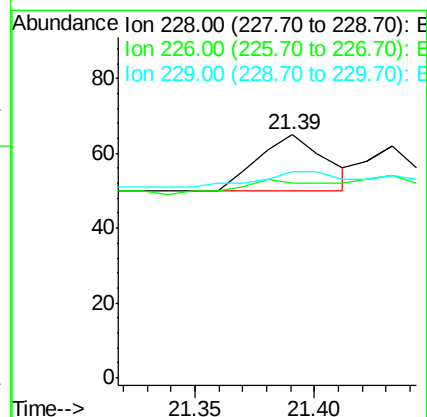
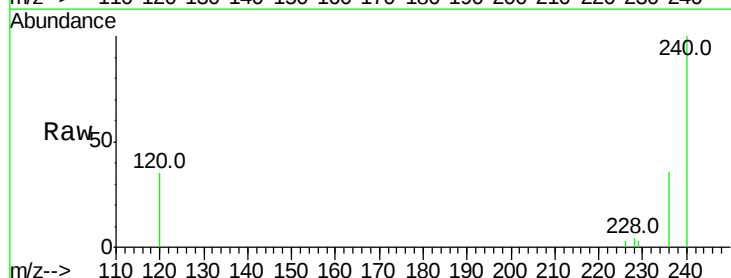
Tgt Ion:228 Resp: 29

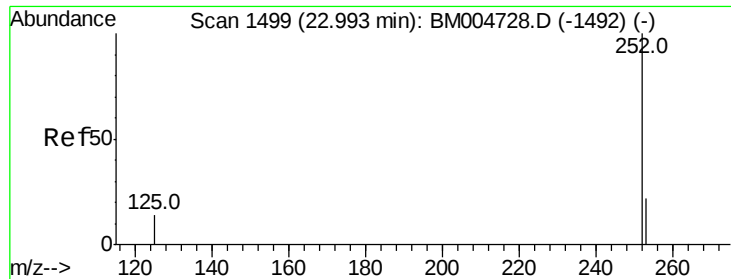
Ion Ratio Lower Upper

228 100

226 80.0 21.2 31.8#

229 84.6 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. -0.11 min

Lab File: BM004732.D

Acq: 22 Mar 2016 18:06

Instrument :

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ClientSampleId :

A4T11

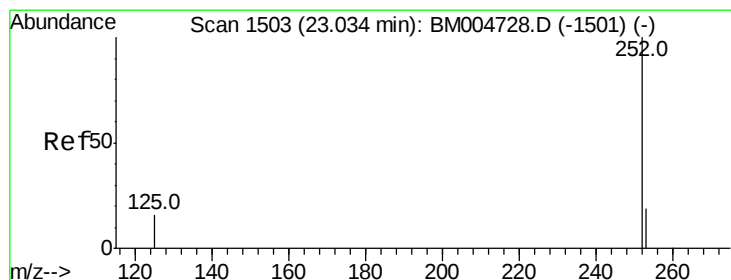
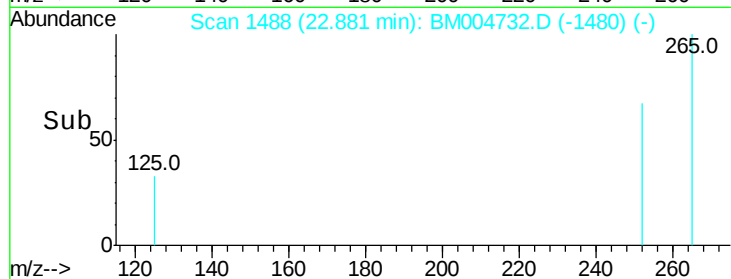
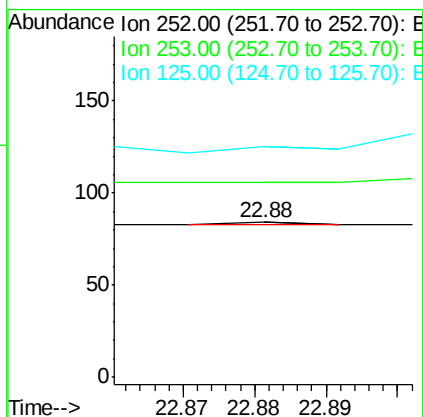
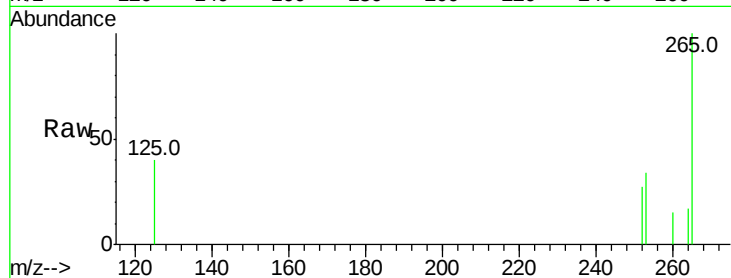
Tot Ion:252 Resp: 1

Ion Ratio Lower Upper

252 100

253 126.2 0.0 45.4#

125 148.8 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: BM004732.D

Acq: 22 Mar 2016 18:06

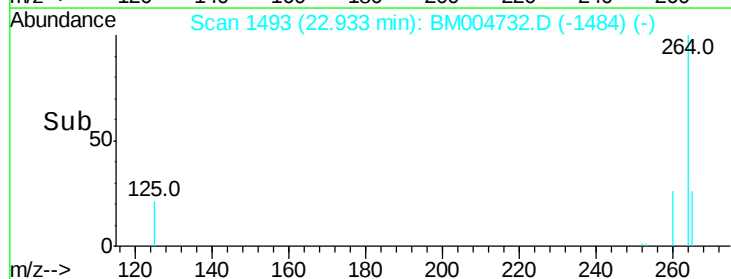
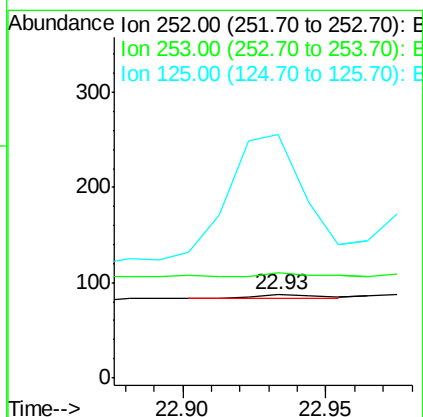
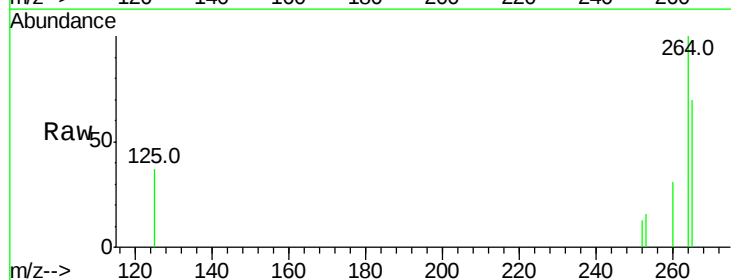
Tgt Ion:252 Resp: 8

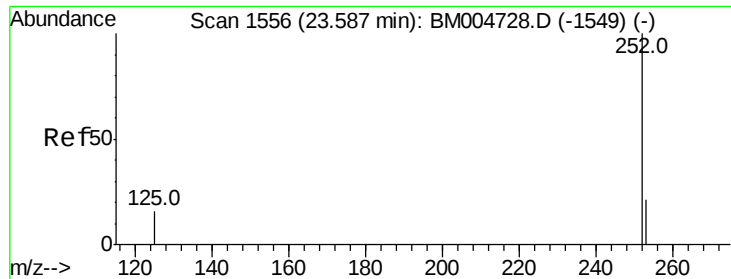
Ion Ratio Lower Upper

252 100

253 126.4 19.8 29.8#

125 294.3 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.54 min Scan# 1551

Delta R.T. -0.05 min

Lab File: BM004732.D

Acq: 22 Mar 2016 18:06

Instrument :

BNA_M

ClientSampleId :

A4T11

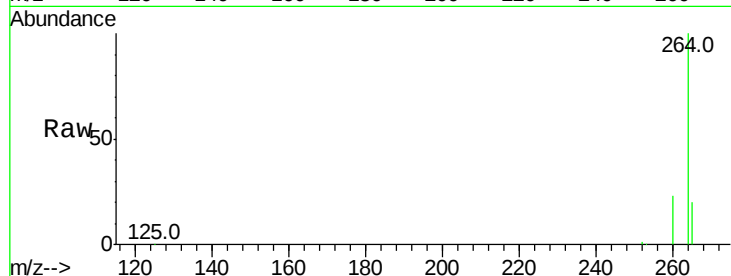
Tot Ion:252 Resp: 1415

Ion Ratio Lower Upper

252 100

253 37.0 19.4 29.2#

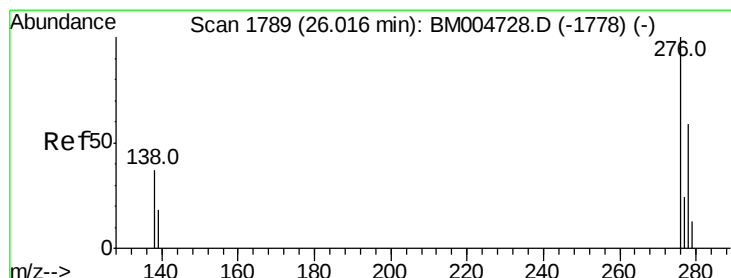
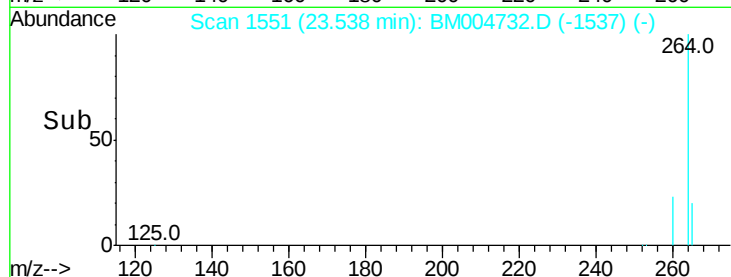
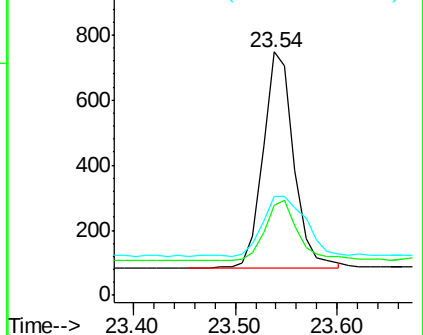
125 40.8 12.7 19.1#



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: 0.00 ng/ul

RT: 25.84 min Scan# 1772

Delta R.T. -0.17 min

Lab File: BM004732.D

Acq: 22 Mar 2016 18:06

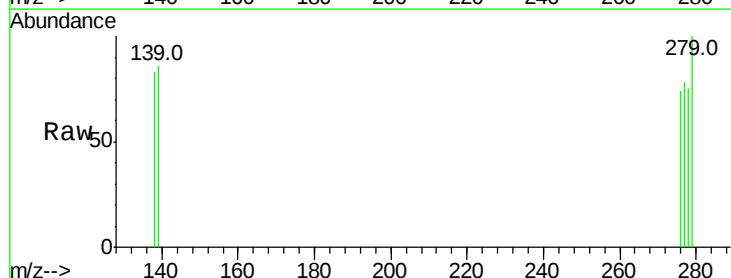
Tgt Ion:276 Resp: 2

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

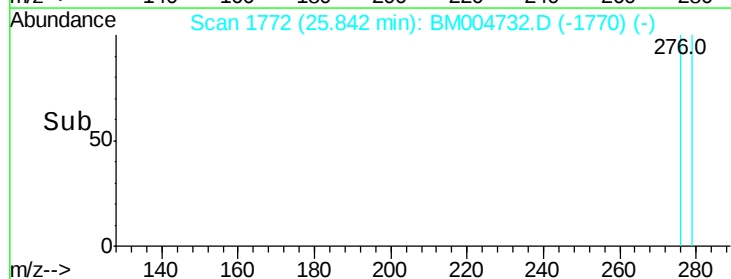
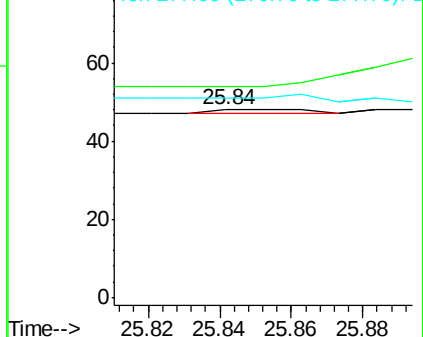
277 0.0 19.8 29.8#

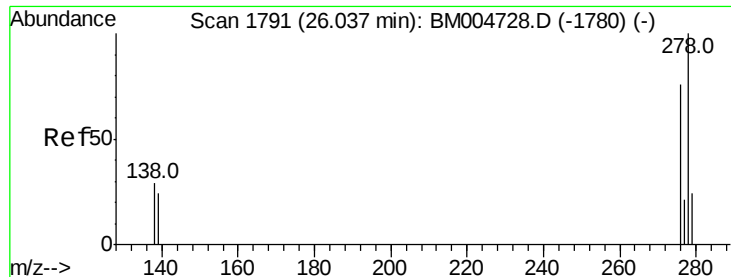


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



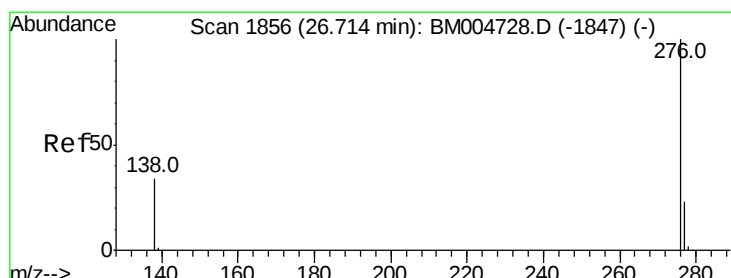
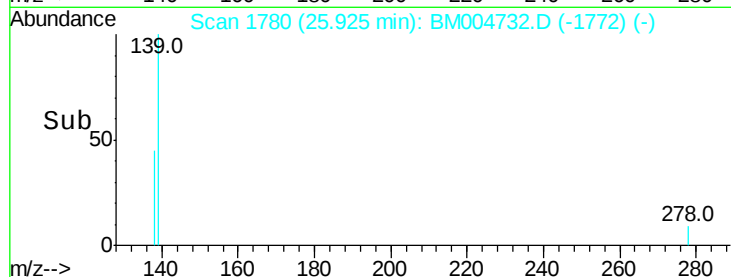
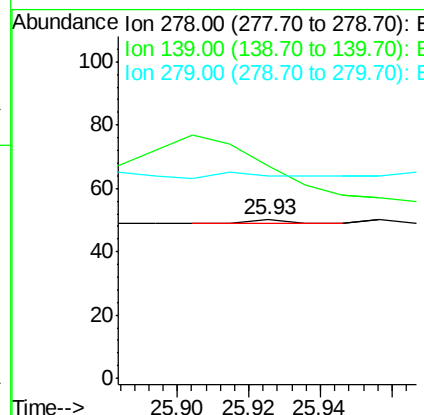
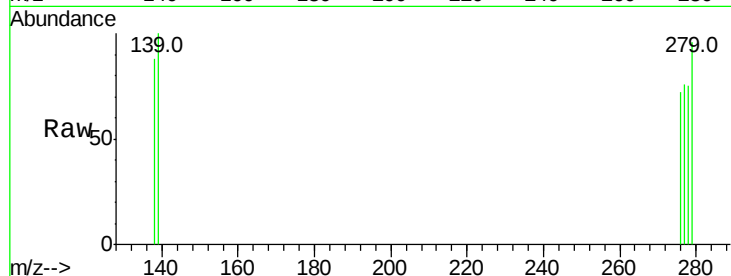


#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.93 min Scan# 1780
Delta R.T. -0.11 min
Lab File: BM004732.D
Acq: 22 Mar 2016 18:06

Instrument :
BNA_M
ClientSampleId :
A4T11

Tot Ion:278 Resp: 1

Ion	Ratio	Lower	Upper
278	100		
139	134.0	16.4	24.6#
279	128.0	20.2	30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.55 min Scan# 1840
Delta R.T. -0.16 min
Lab File: BM004732.D
Acq: 22 Mar 2016 18:06

Tgt Ion:276 Resp: 3

Ion	Ratio	Lower	Upper
276	100		
277	106.3	18.9	28.3#
138	114.6	22.5	33.7#

