

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032216\
 Data File : BM004734.D
 Acq On : 22 Mar 2016 19:19
 Operator : UM/SJ
 Sample : H1835-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T13

Quant Time: Mar 23 04:13:11 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	1580	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	6549	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	3413	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	512986	5.00	ng/ul	0.10
18) Chrysene-d12	21.40	240	4572	5.00	ng/ul	0.00
22) Perylene-d12	23.55	264	427482	5.00	ng/ul	-0.14

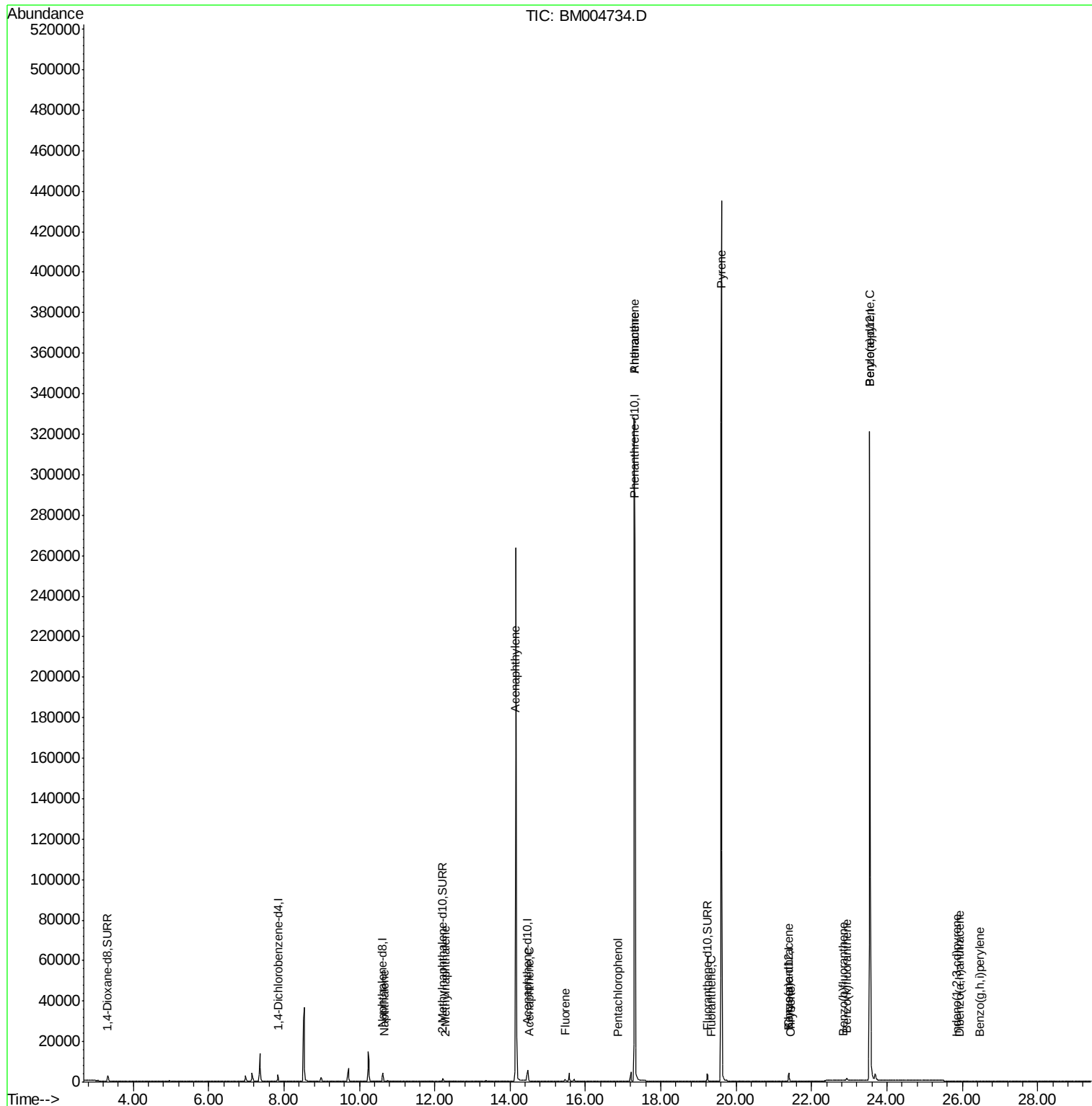
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	2056	2.68	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	2527	0.34	ng/ul	0.00
16) Fluoranthene-d10	19.25	212	5206	0.01	ng/ul	0.00

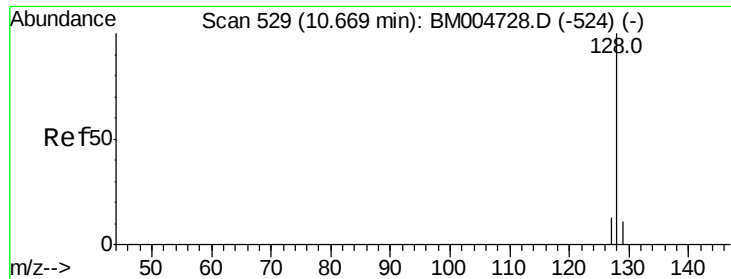
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.67	128	232	0.02	ng/ul#	33
7) 2-Methylnaphthalene	12.29	142	39	0.00	ng/ul	94
9) Acenaphthylene	14.14	152	51	0.00	ng/ul#	1
10) Acenaphthene	14.52	153	24	0.00	ng/ul#	76
11) Fluorene	15.46	166	900	0.08	ng/ul#	22
13) Pentachlorophenol	16.87	266	34	0.00	ng/ul#	89
14) Phenanthrene	17.30	178	275	0.00	ng/ul#	1
15) Anthracene	17.30	178	269	0.00	ng/ul#	1
17) Fluoranthene	19.33	202	11	0.00	ng/ul#	1
19) Pyrene	19.61	202	868	0.05	ng/ul#	1
20) Benzo(a)anthracene	21.39	228	31	0.00	ng/ul#	1
21) Chrysene	21.43	228	28	0.00	ng/ul#	1
23) Benzo(b)fluoranthene	22.85	252	3	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.93	252	9	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.55	252	1657	0.00	ng/ul#	61
26) Indeno(1,2,3-cd)pyrene	25.85	276	3	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.94	278	2	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.47	276	6	0.00	ng/ul#	1

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

```
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Sample    : H1835-03  
Misc      :  
ALS Vial  : 13      Sample Multiplier: 1
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QLast Update : Wed Mar 23 05:10:55 2016
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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: BM004734.D

Acq: 22 Mar 2016 19:19

Instrument :

BNA_M

ClientSampleId :

A4T13

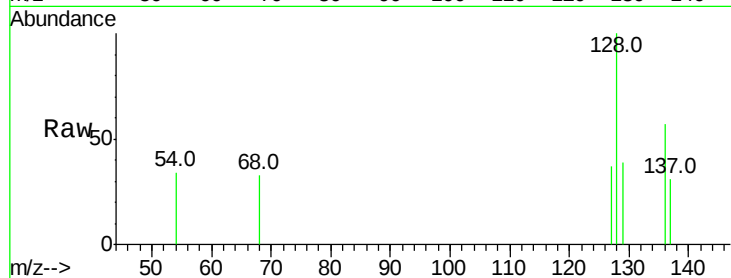
Tot Ion:128 Resp: 232

Ion Ratio Lower Upper

128 100

129 38.5 9.0 13.6#

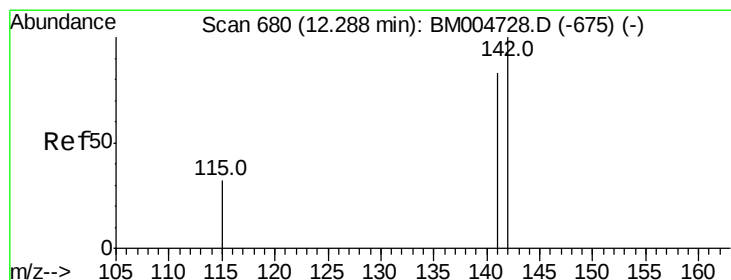
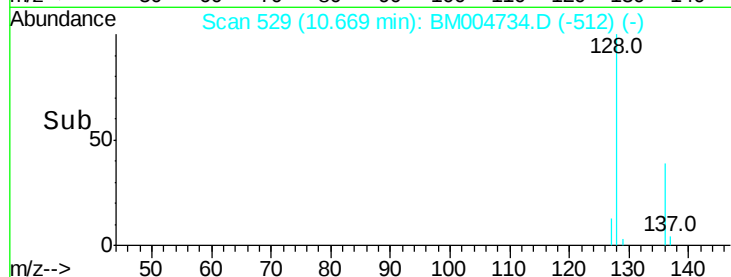
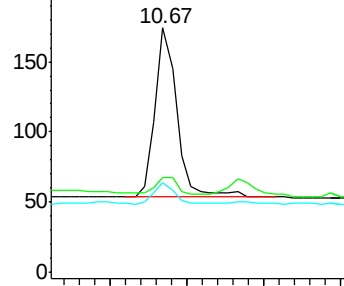
127 36.8 9.6 14.4#



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: 0.00 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. -0.00 min

Lab File: BM004734.D

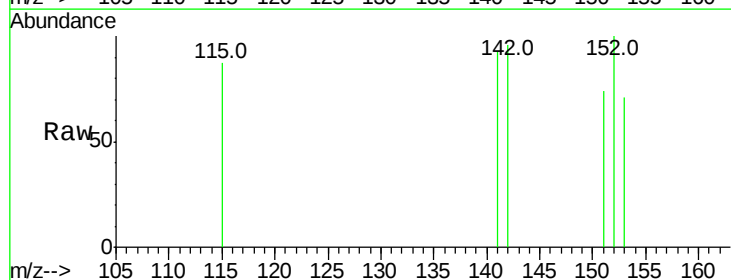
Acq: 22 Mar 2016 19:19

Tgt Ion:142 Resp: 39

Ion Ratio Lower Upper

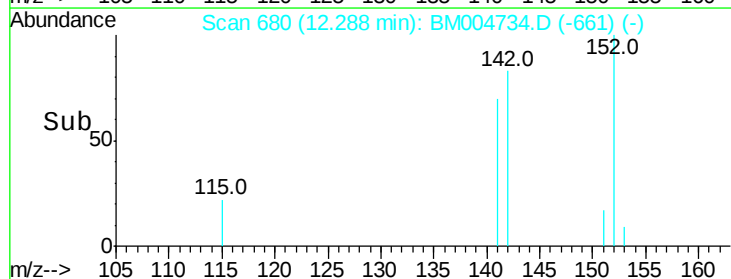
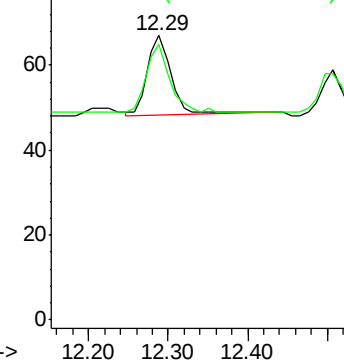
142 100

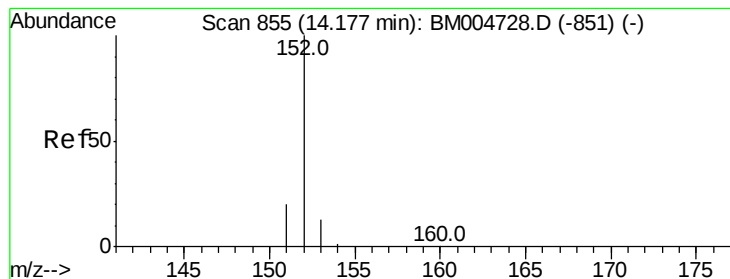
141 82.1 70.3 105.5



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: BM004734.D

Acq: 22 Mar 2016 19:19

Instrument :

BNA_M

ClientSampleId :

A4T13

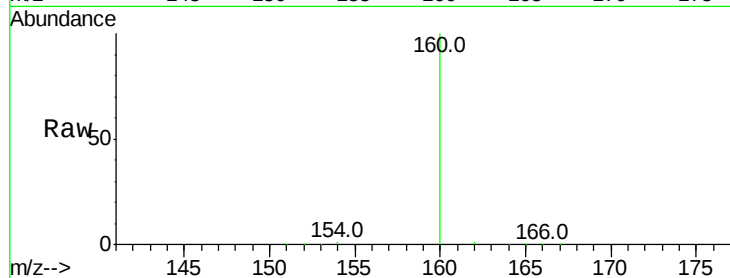
Tot Ion:152 Resp: 51

Ion Ratio Lower Upper

152 100

151 79.7 17.6 26.4#

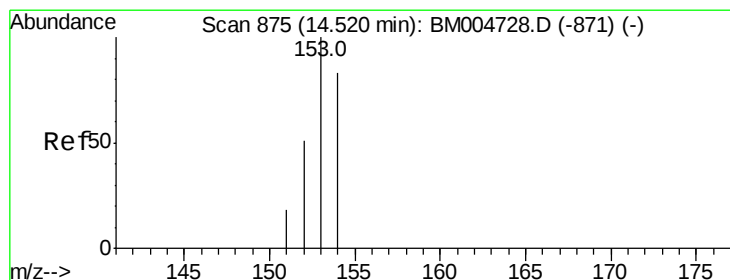
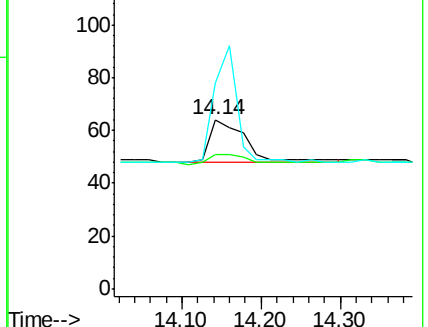
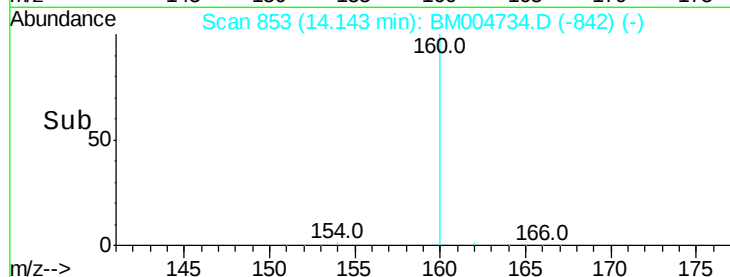
153 121.9 9.7 14.5#



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



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004734.D

Acq: 22 Mar 2016 19:19

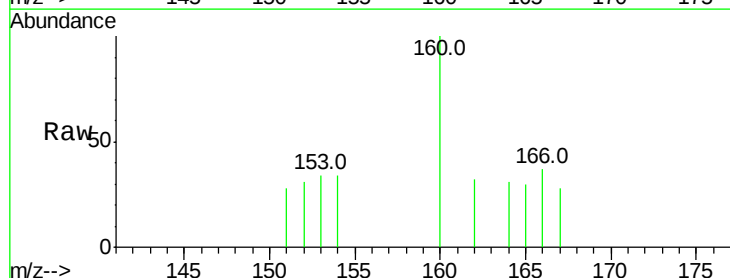
Tgt Ion:153 Resp: 24

Ion Ratio Lower Upper

153 100

152 91.7 33.9 50.9#

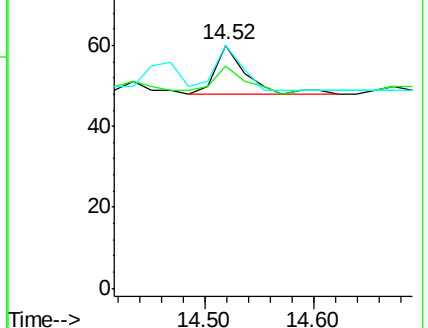
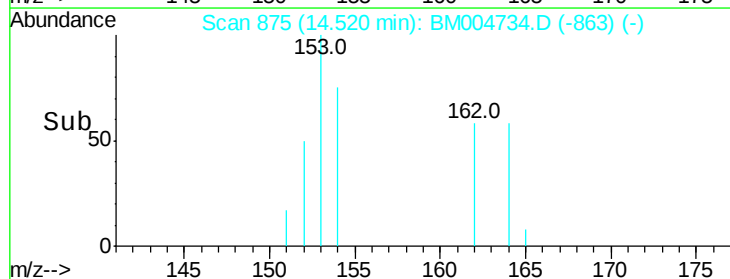
154 100.0 80.6 121.0

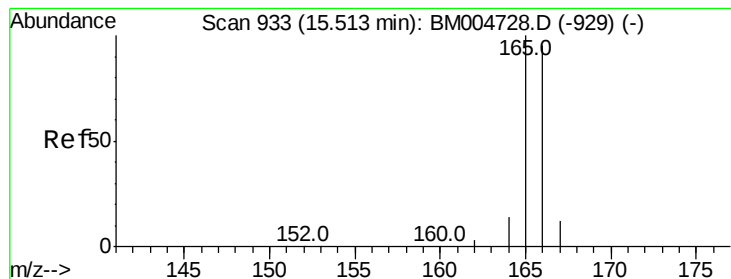


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.08 ng/ul

RT: 15.46 min Scan# 930

Delta R.T. -0.05 min

Lab File: BM004734.D

Acq: 22 Mar 2016 19:19

Instrument :

BNA_M

ClientSampleId :

A4T13

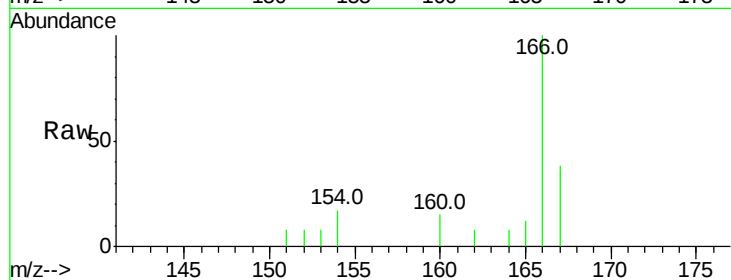
Tot Ion:166 Resp: 900

Ion Ratio Lower Upper

166 100

165 11.7 69.6 104.4#

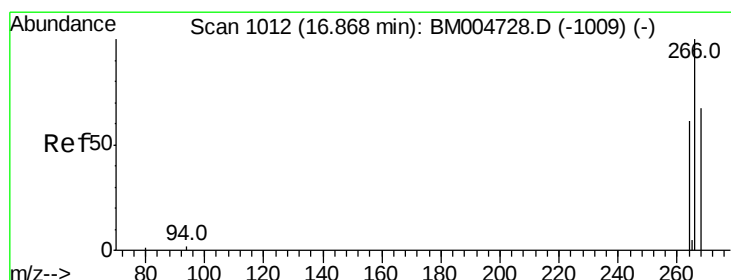
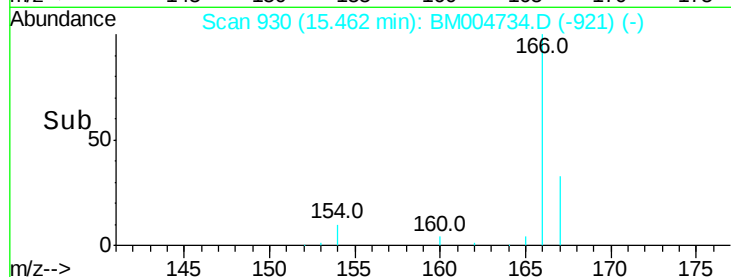
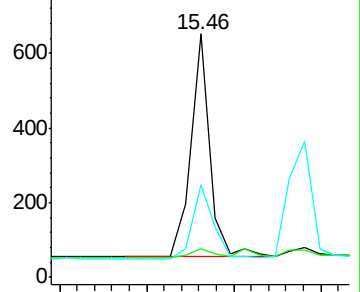
167 37.9 11.9 17.9#



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: 16.87 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BM004734.D

Acq: 22 Mar 2016 19:19

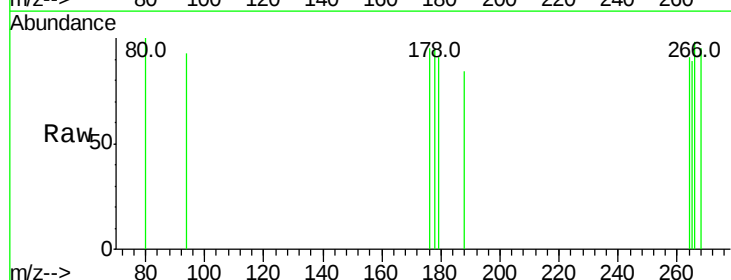
Tgt Ion:266 Resp: 34

Ion Ratio Lower Upper

266 100

264 79.4 51.8 77.8#

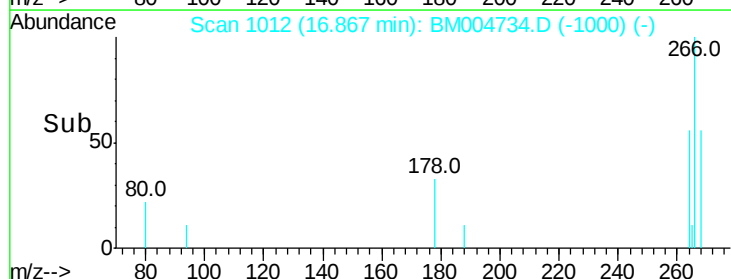
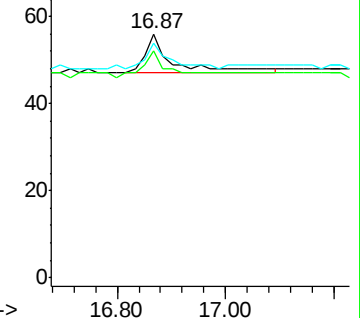
268 55.9 46.8 70.2

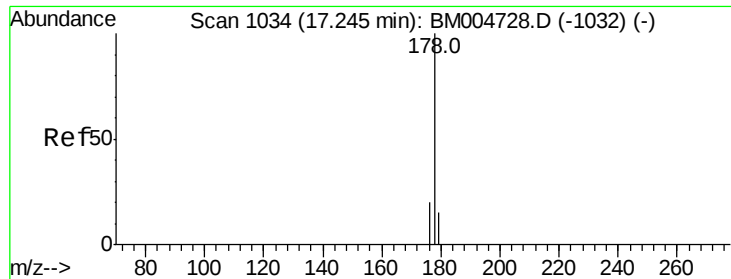


Abundance Ion 266.00 (265.70 to 266.70): E

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: BM004734.D

Acq: 22 Mar 2016 19:19

Instrument :

BNA_M

ClientSampleId :

A4T13

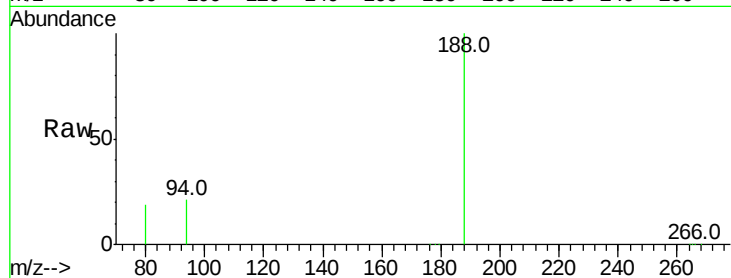
Tot Ion:178 Resp: 275

Ion Ratio Lower Upper

178 100

176 33.1 13.0 19.4#

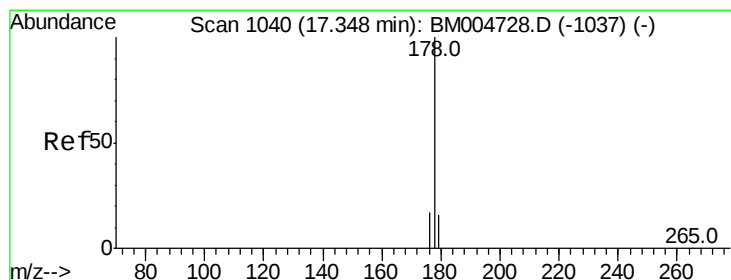
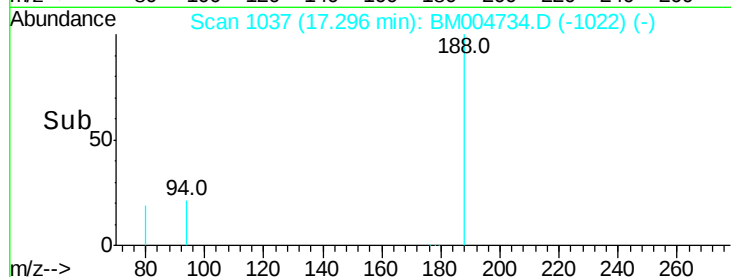
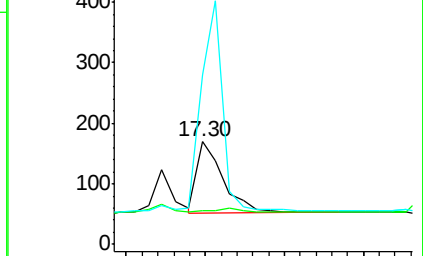
179 165.1 14.2 21.2#



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: 0.00 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BM004734.D

Acq: 22 Mar 2016 19:19

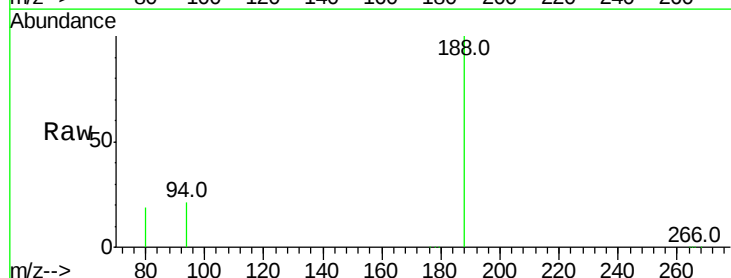
Tgt Ion:178 Resp: 269

Ion Ratio Lower Upper

178 100

176 33.1 14.0 21.0#

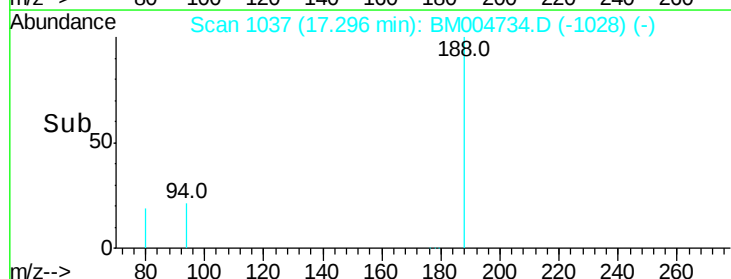
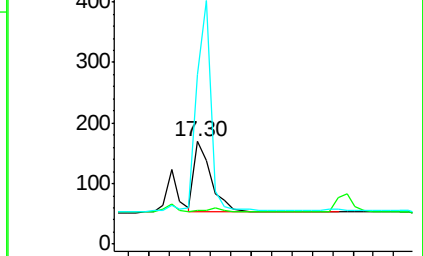
179 165.1 12.9 19.3#

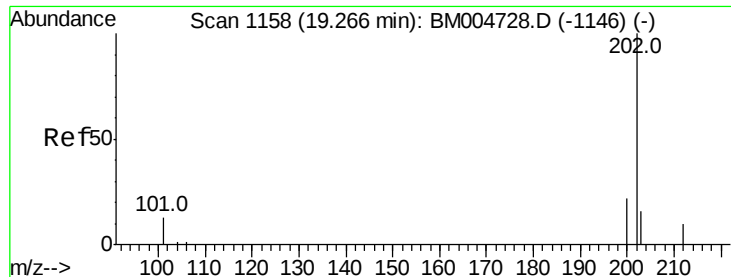


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

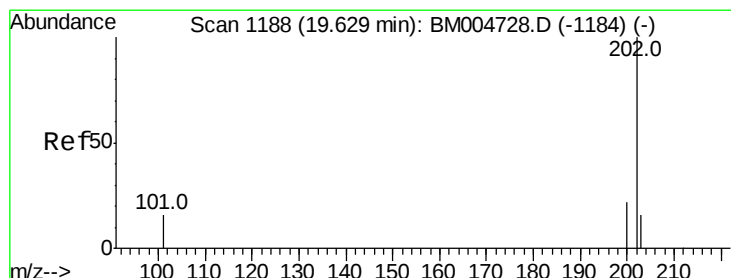
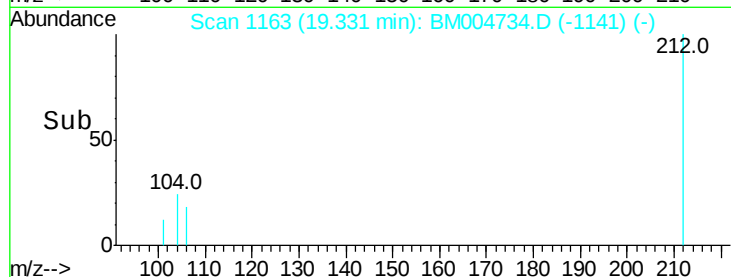
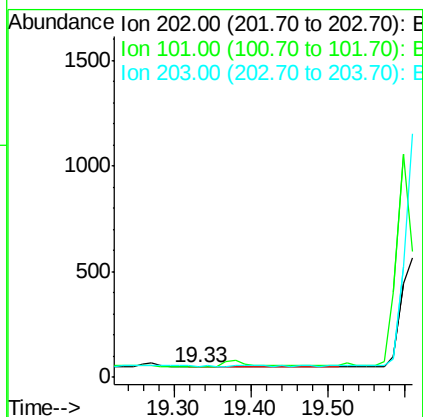
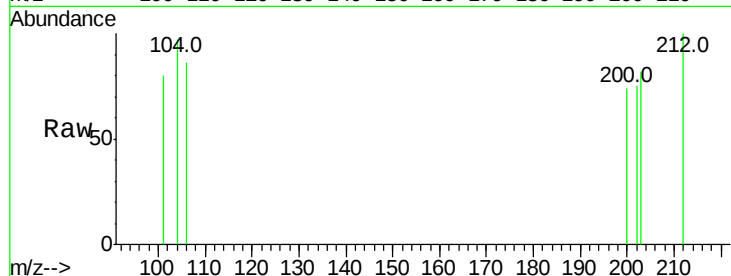




#17
Fluoranthene
Concen: 0.00 ng/ul
RT: 19.33 min Scan# 1163
Delta R.T. 0.07 min
Lab File: BM004734.D
Acq: 22 Mar 2016 19:19

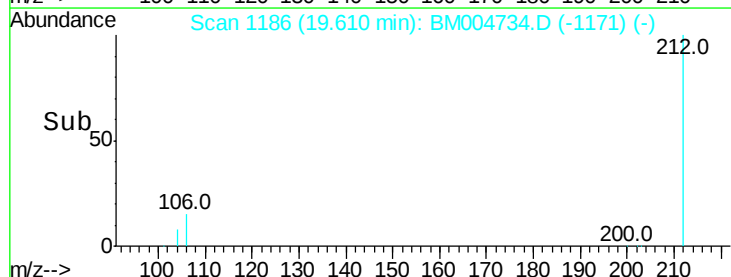
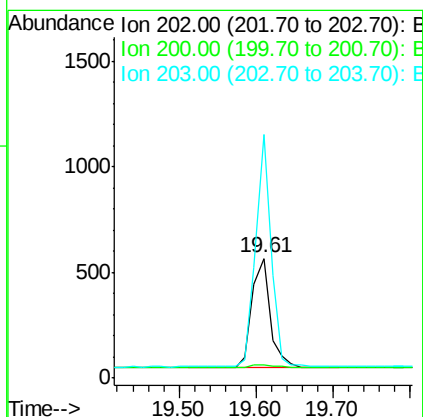
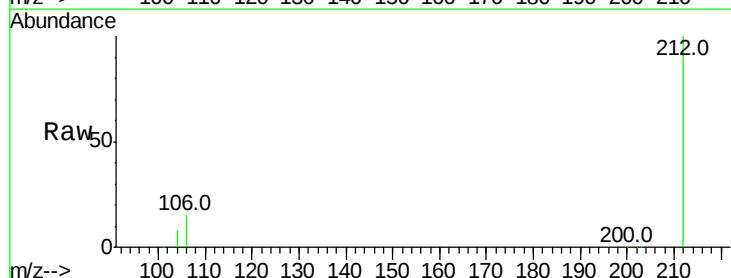
Instrument :
BNA_M
ClientSampleId :
A4T13

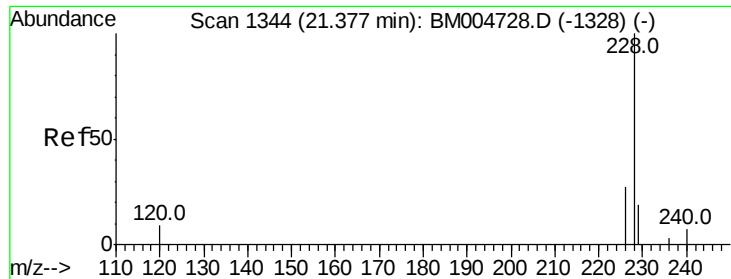
Tot Ion:202 Resp: 11
Ion Ratio Lower Upper
202 100
101 106.1 0.0 29.6#
203 108.2 0.0 36.3#



#19
Pyrene
Concen: 0.05 ng/ul
RT: 19.61 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BM004734.D
Acq: 22 Mar 2016 19:19

Tgt Ion:202 Resp: 868
Ion Ratio Lower Upper
202 100
200 10.9 17.8 26.8#
203 203.2 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: BM004734.D

Acq: 22 Mar 2016 19:19

Instrument :

BNA_M

ClientSampleId :

A4T13

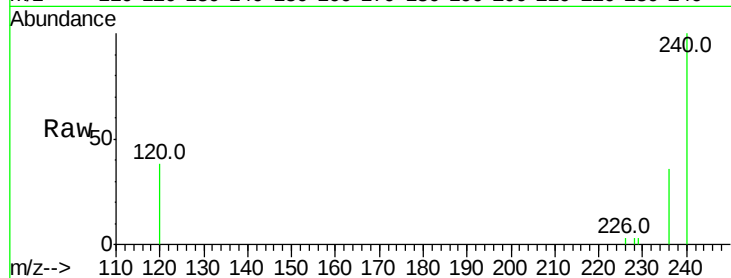
Tot Ion:228 Resp: 31

Ion Ratio Lower Upper

228 100

226 81.0 18.8 28.2#

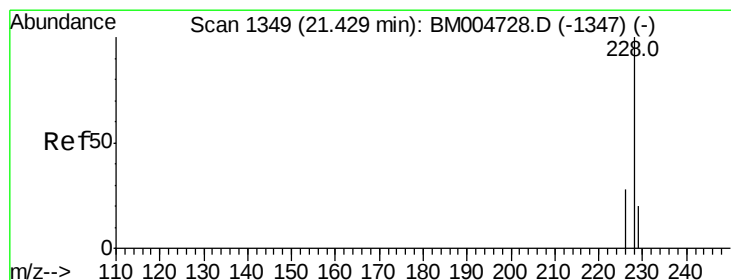
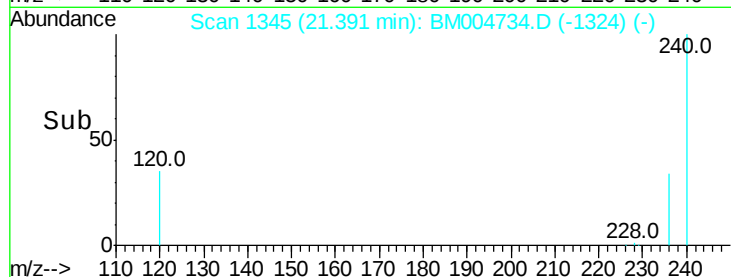
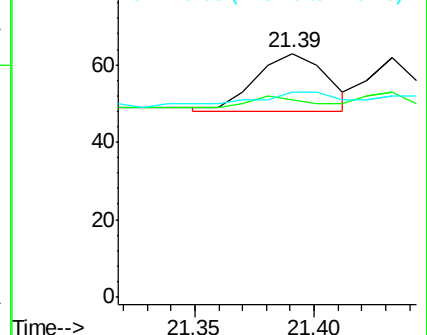
229 84.1 17.1 25.7#



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: BM004734.D

Acq: 22 Mar 2016 19:19

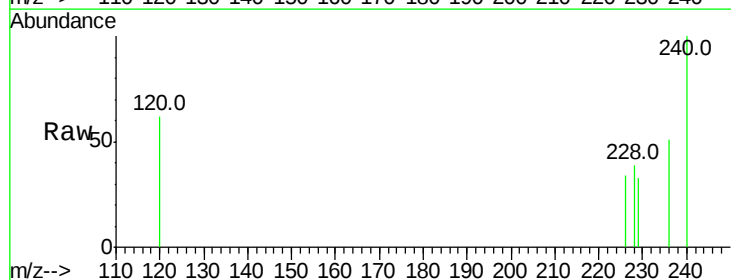
Tgt Ion:228 Resp: 28

Ion Ratio Lower Upper

228 100

226 85.5 21.2 31.8#

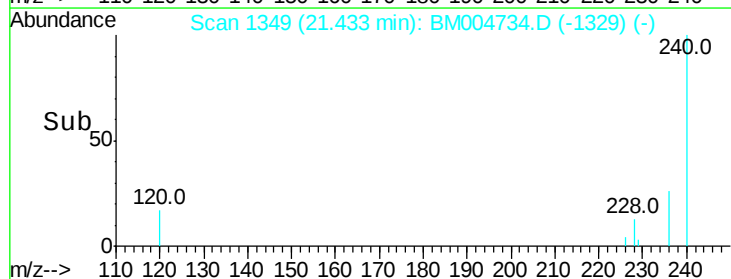
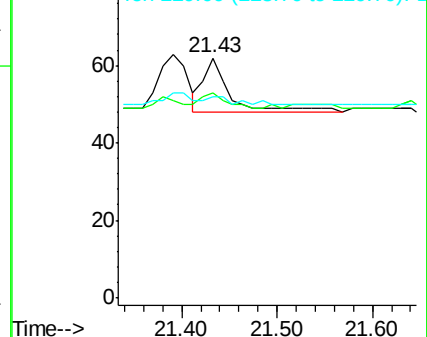
229 83.9 17.0 25.6#

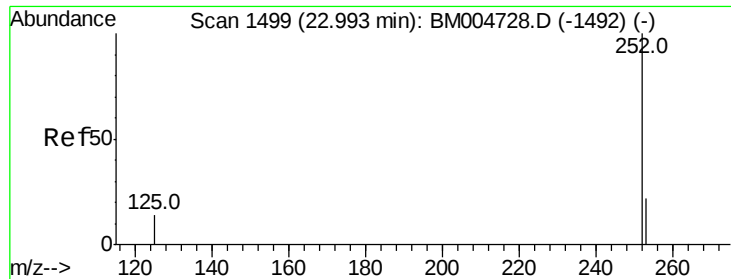


Abundance Ion 228.00 (227.70 to 228.70): E

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/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.14 min

Lab File: BM004734.D

Acq: 22 Mar 2016 19:19

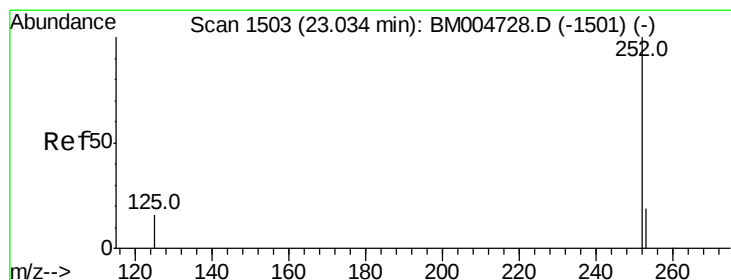
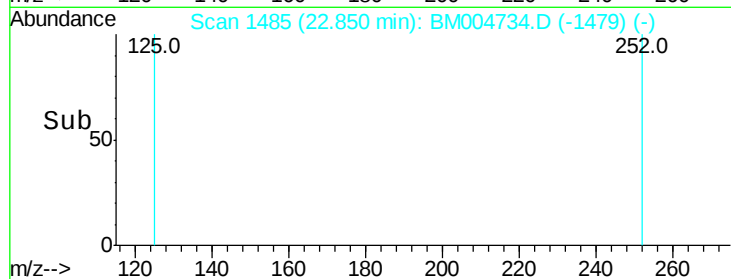
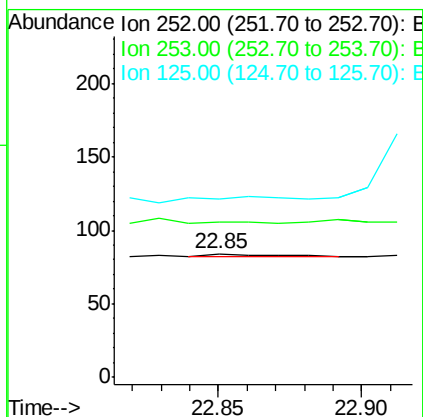
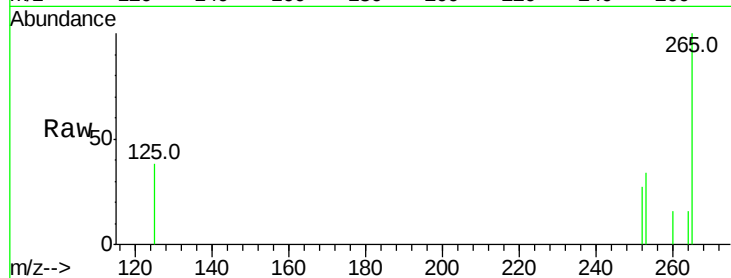
Instrument :

BNA_M

ClientSampleId :

A4T13

Tot Ion:252	Resp:	3	
Ion Ratio	Lower	Upper	
252	100		
253	126.2	0.0	45.4#
125	144.0	0.0	28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

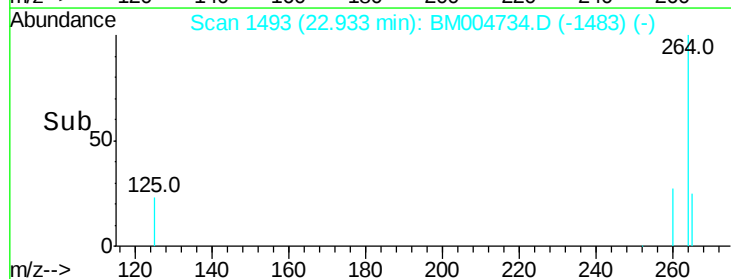
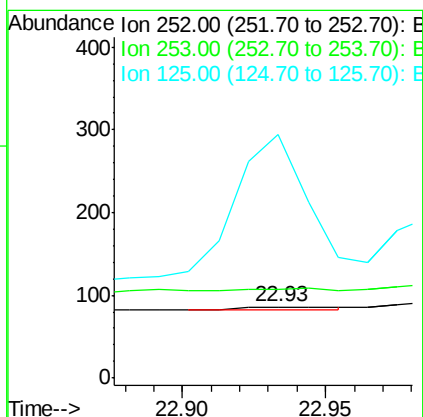
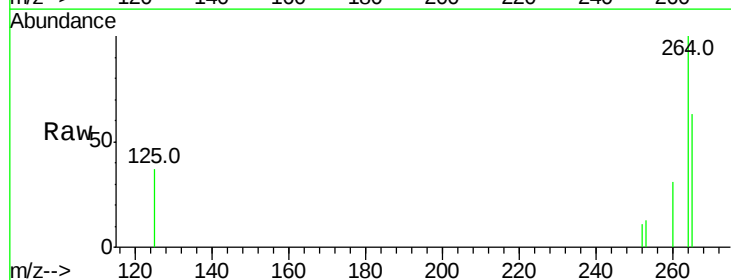
RT: 22.93 min Scan# 1493

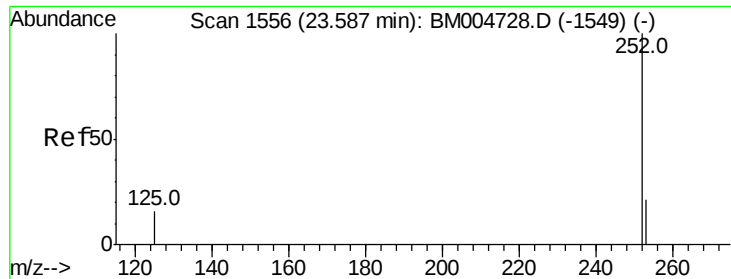
Delta R.T. -0.10 min

Lab File: BM004734.D

Acq: 22 Mar 2016 19:19

Tgt	Ion:252	Resp:	9
Ion	Ratio	Lower	Upper
252	100		
253	124.4	19.8	29.8#
125	341.9	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: BM004734.D

Acq: 22 Mar 2016 19:19

Instrument :

BNA_M

ClientSampleId :

A4T13

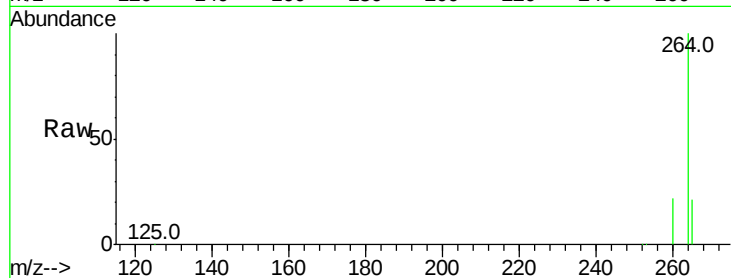
Tot Ion:252 Resp: 1657

Ion Ratio Lower Upper

252 100

253 37.9 19.4 29.2#

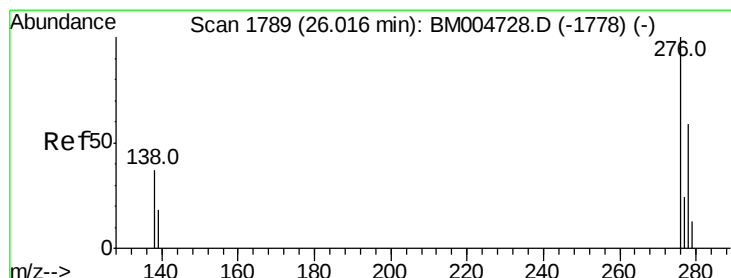
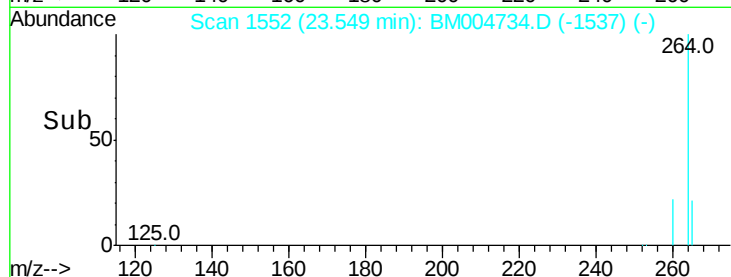
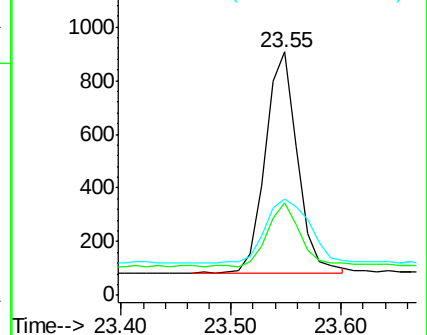
125 39.5 12.7 19.1#



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: 25.85 min Scan# 1773

Delta R.T. -0.16 min

Lab File: BM004734.D

Acq: 22 Mar 2016 19:19

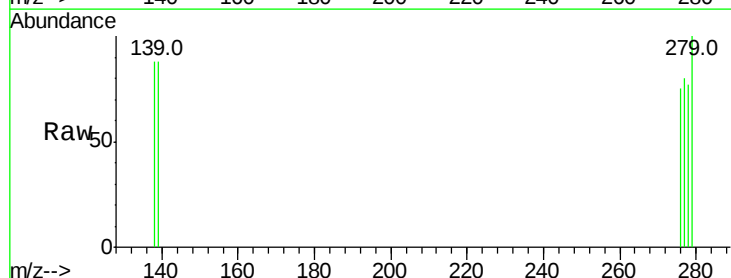
Tgt Ion:276 Resp: 3

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

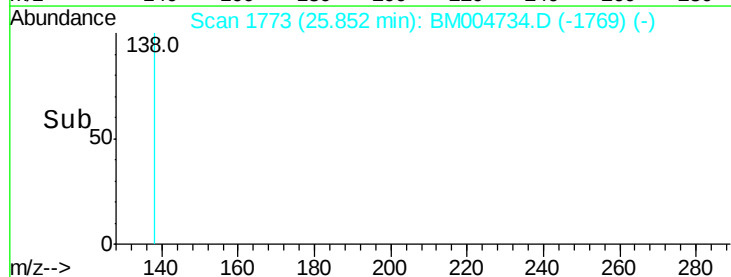
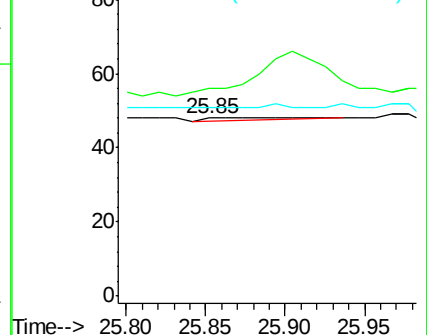
277 0.0 19.8 29.8#

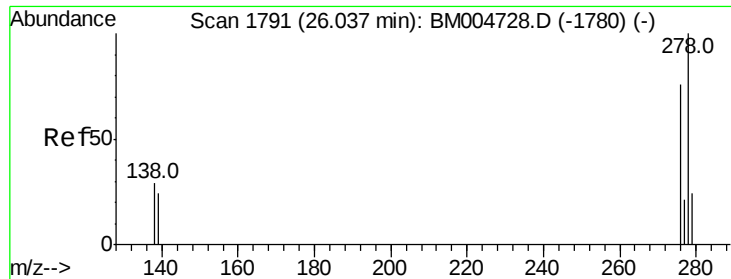


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

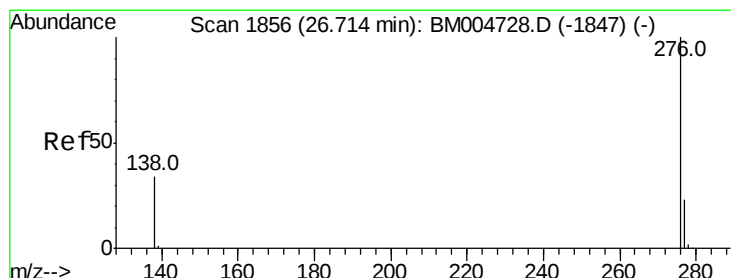
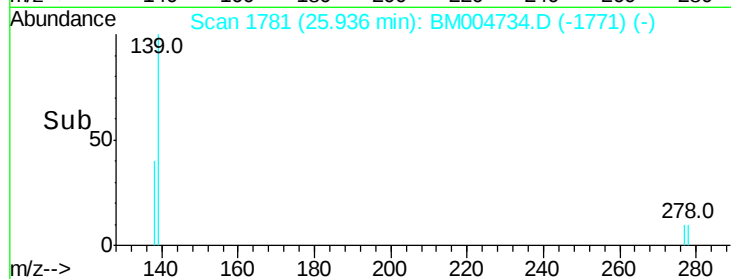
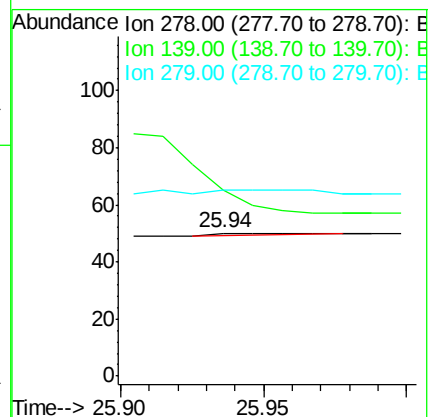
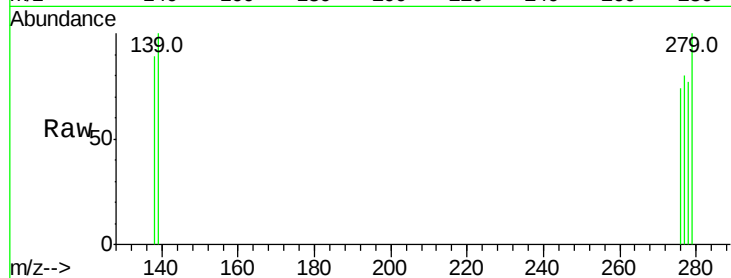




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.94 min Scan# 1781
Delta R.T. -0.10 min
Lab File: BM004734.D
Acq: 22 Mar 2016 19:19

Instrument :
BNA_M
ClientSampleId :
A4T13

Tot Ion:278 Resp: 2
Ion Ratio Lower Upper
278 100
139 130.0 16.4 24.6#
279 130.0 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.47 min Scan# 1832
Delta R.T. -0.25 min
Lab File: BM004734.D
Acq: 22 Mar 2016 19:19

Tgt Ion:276 Resp: 6
Ion Ratio Lower Upper
276 100
277 106.3 18.9 28.3#
138 114.6 22.5 33.7#

