

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032216\
 Data File : BM004744.D
 Acq On : 23 Mar 2016 01:56
 Operator : UM/SJ
 Sample : H1835-21
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T32

Quant Time: Mar 23 05:12:07 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 06:08:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1371	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5609	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2985	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	430404	5.00	ng/ul	0.09
18) Chrysene-d12	21.39	240	5110	5.00	ng/ul	0.00
22) Perylene-d12	23.55	264	392394	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	1572	2.37	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	1980	0.31	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	4781	0.01	ng/ul	0.00

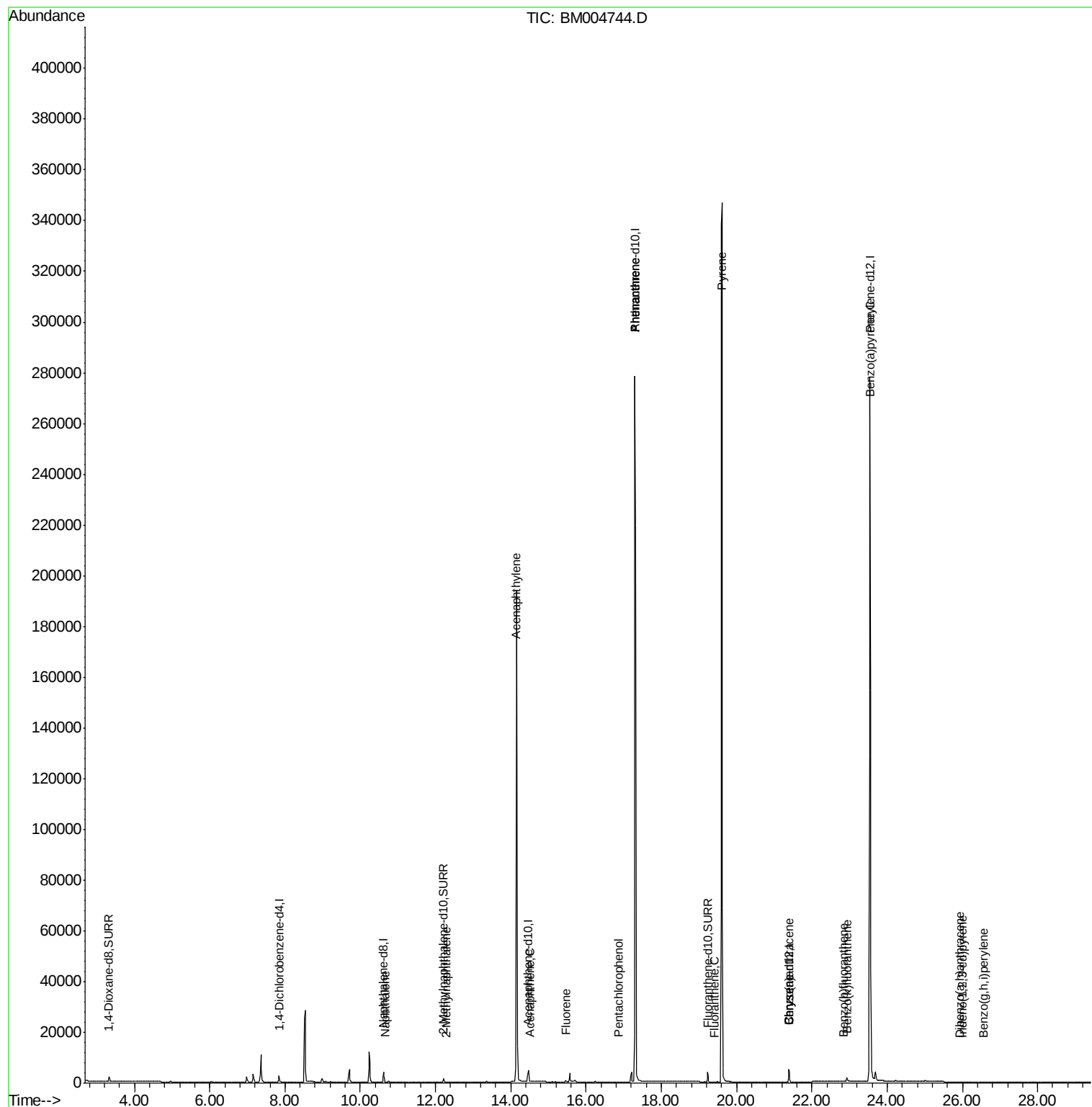
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.67	128	81	0.01	ng/ul#	1
7) 2-Methylnaphthalene	12.29	142	31	0.00	ng/ul	90
9) Acenaphthylene	14.14	152	41	0.00	ng/ul#	1
10) Acenaphthene	14.52	153	24	0.00	ng/ul#	74
11) Fluorene	15.46	166	751	0.07	ng/ul#	23
13) Pentachlorophenol	16.87	266	28	0.00	ng/ul	97
14) Phenanthrene	17.30	178	267	0.00	ng/ul#	1
15) Anthracene	17.30	178	260	0.00	ng/ul#	1
17) Fluoranthene	19.42	202	6	0.00	ng/ul#	1
19) Pyrene	19.60	202	770	0.04	ng/ul#	1
20) Benzo(a)anthracene	21.39	228	86	0.01	ng/ul#	1
21) Chrysene	21.39	228	86	0.01	ng/ul#	1
23) Benzo(b)fluoranthene	22.84	252	2	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.93	252	6	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.54	252	1526	0.00	ng/ul#	59
26) Indeno(1,2,3-cd)pyrene	26.01	276	17	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.91	278	2	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.55	276	4	0.00	ng/ul#	1

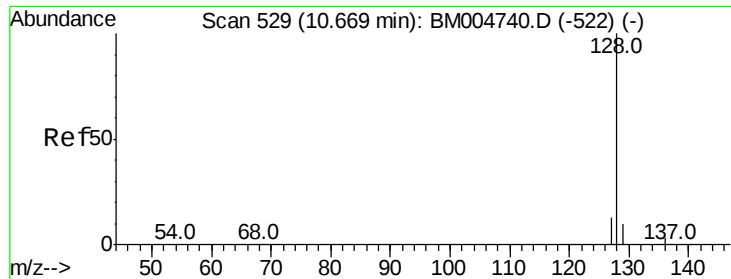
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM004744.D

Acq: 23 Mar 2016 01:56

Instrument :

BNA_M

ClientSampleId :

A4T32

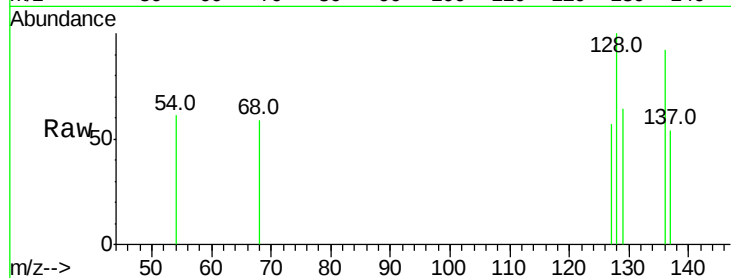
Tot Ion:128 Resp: 81

Ion Ratio Lower Upper

128 100

129 63.6 9.0 13.6#

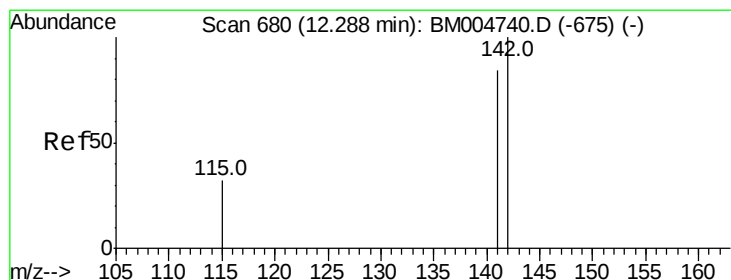
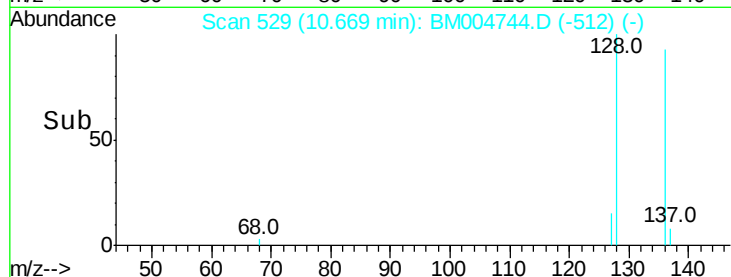
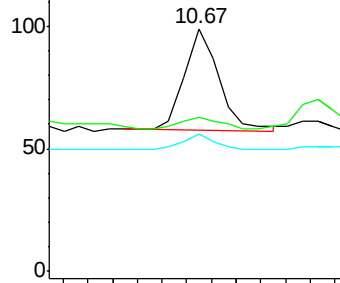
127 56.6 9.6 14.4#



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: 0.00 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. 0.00 min

Lab File: BM004744.D

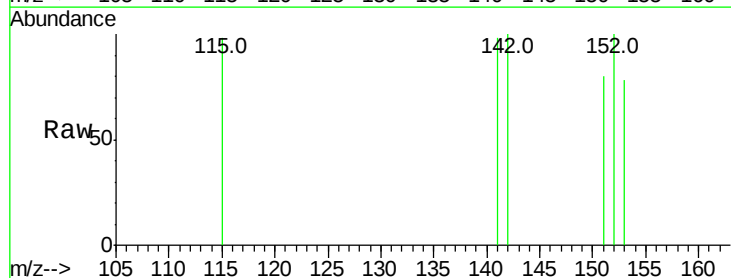
Acq: 23 Mar 2016 01:56

Tgt Ion:142 Resp: 31

Ion Ratio Lower Upper

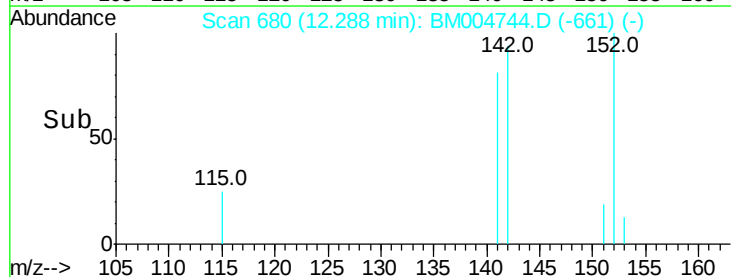
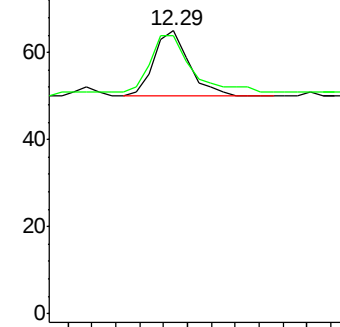
142 100

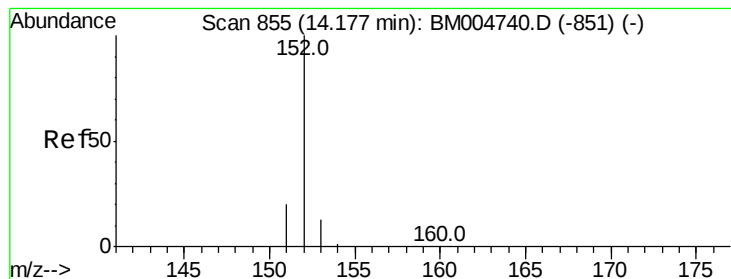
141 96.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.03 min

Lab File: BM004744.D

Acq: 23 Mar 2016 01:56

Instrument :

BNA_M

ClientSampleId :

A4T32

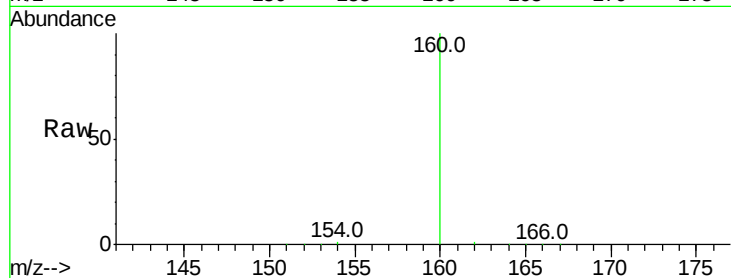
Tot Ion:152 Resp: 41

Ion Ratio Lower Upper

152 100

151 81.3 17.6 26.4#

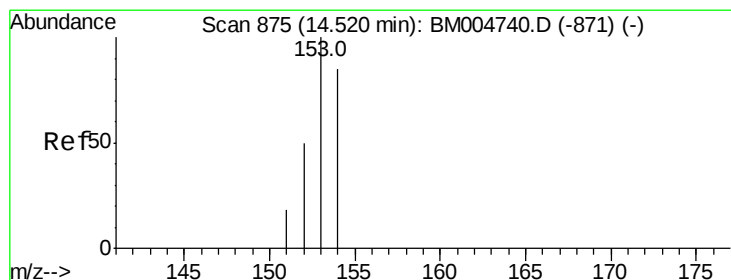
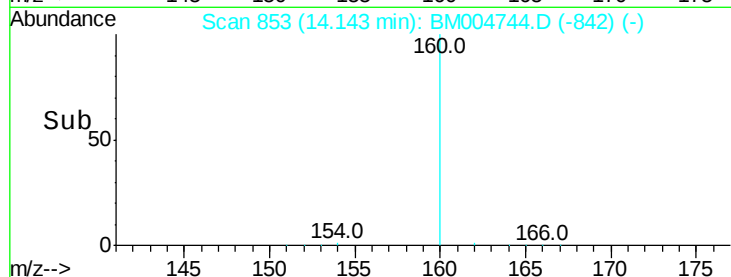
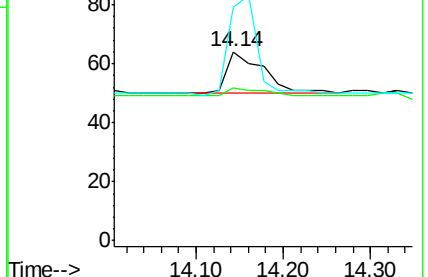
153 123.4 9.7 14.5#



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: BM004744.D

Acq: 23 Mar 2016 01:56

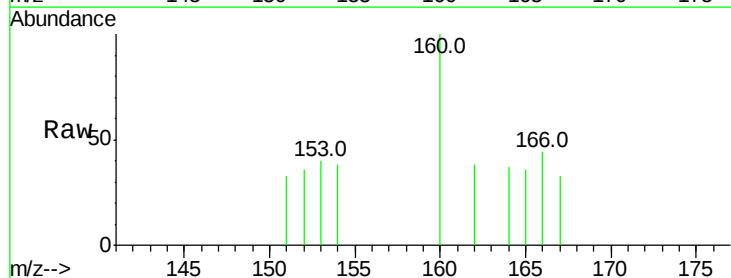
Tgt Ion:153 Resp: 24

Ion Ratio Lower Upper

153 100

152 88.9 33.9 50.9#

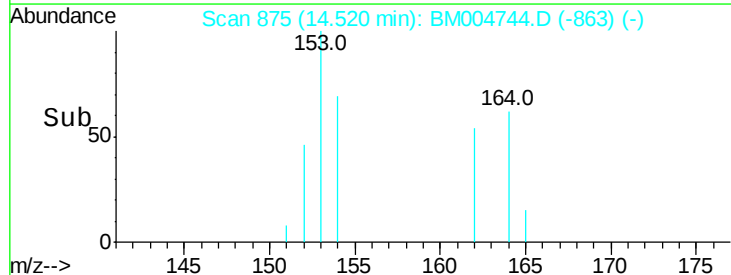
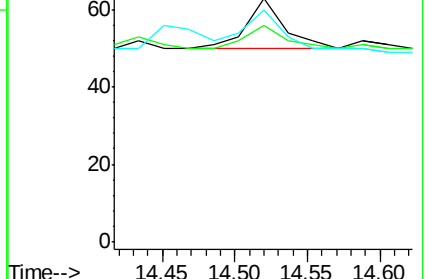
154 95.2 80.6 121.0

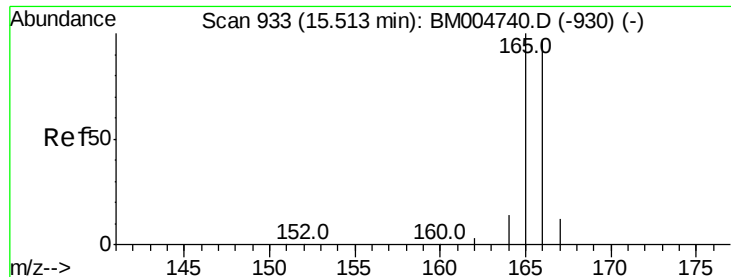


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.07 ng/ul

RT: 15.46 min Scan# 930

Delta R.T. -0.05 min

Lab File: BM004744.D

Acq: 23 Mar 2016 01:56

Instrument :

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A4T32

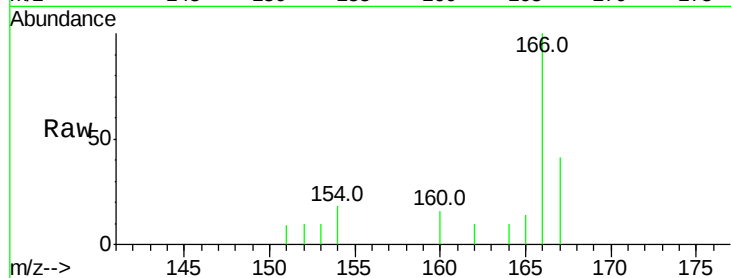
Tot Ion:166 Resp: 751

Ion Ratio Lower Upper

166 100

165 13.8 69.6 104.4#

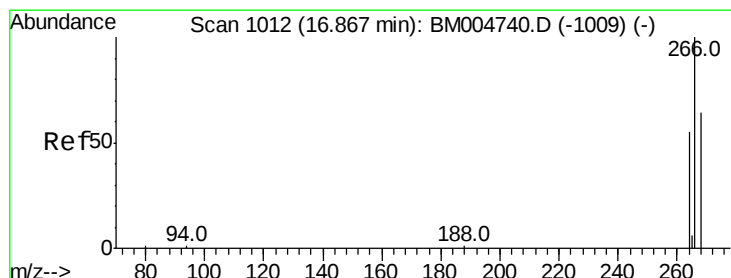
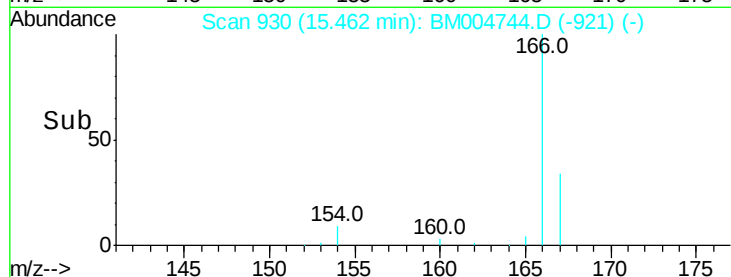
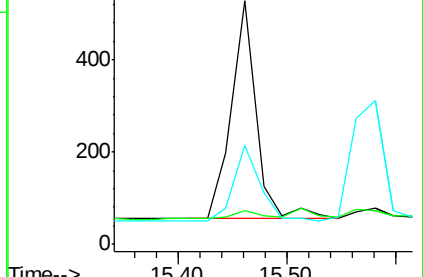
167 40.5 11.9 17.9#



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: BM004744.D

Acq: 23 Mar 2016 01:56

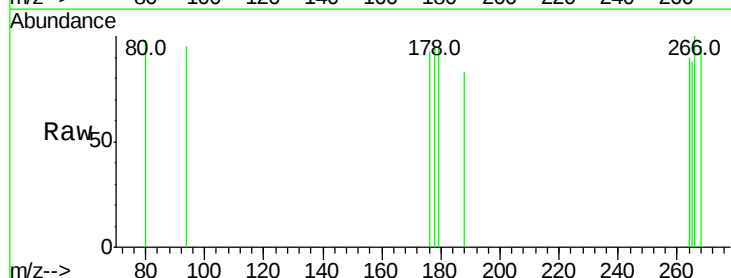
Tgt Ion:266 Resp: 28

Ion Ratio Lower Upper

266 100

264 67.9 51.8 77.8

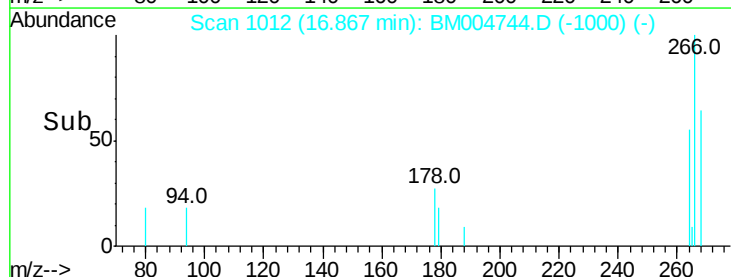
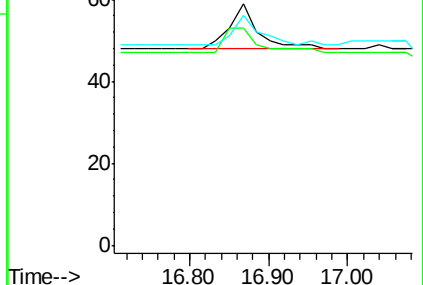
268 57.1 46.8 70.2

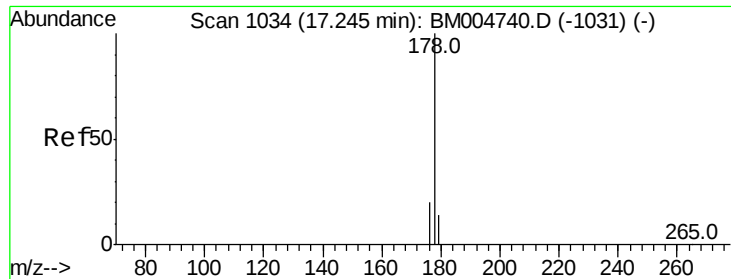


Abundance Ion 266.00 (265.70 to 266.70): E

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: BM004744.D

Acq: 23 Mar 2016 01:56

Instrument :

BNA_M

ClientSampleId :

A4T32

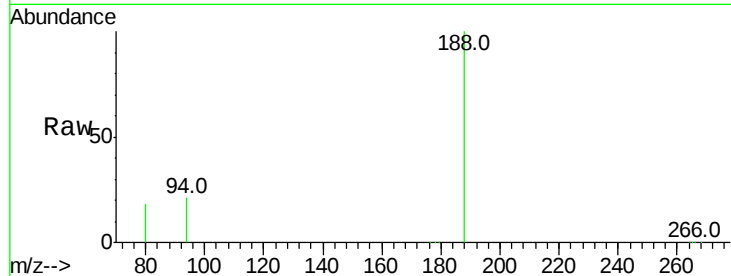
Tot Ion:178 Resp: 267

Ion Ratio Lower Upper

178 100

176 37.1 13.0 19.4#

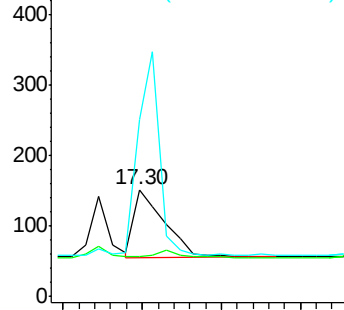
179 165.6 14.2 21.2#



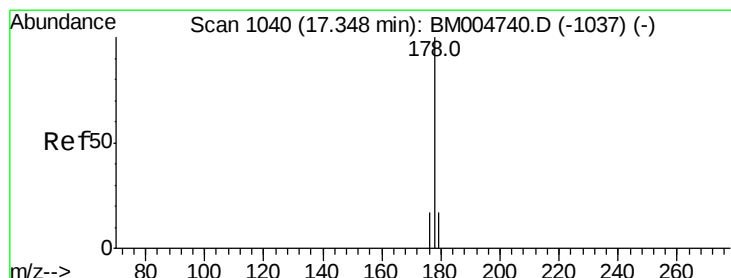
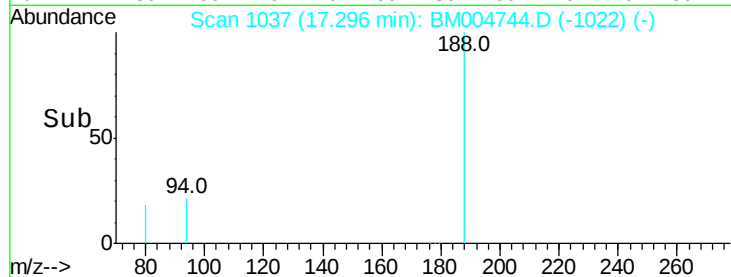
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.20 17.30 17.40 17.50



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BM004744.D

Acq: 23 Mar 2016 01:56

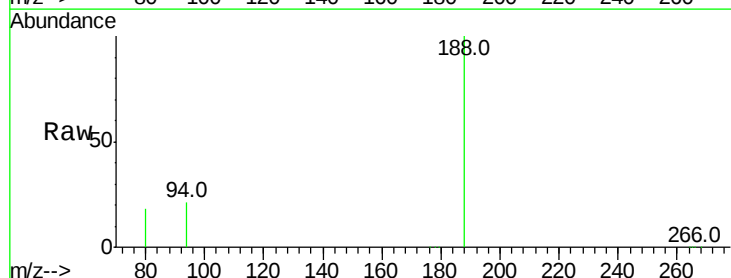
Tgt Ion:178 Resp: 260

Ion Ratio Lower Upper

178 100

176 37.1 14.0 21.0#

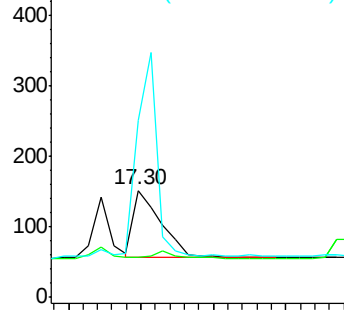
179 165.6 12.9 19.3#



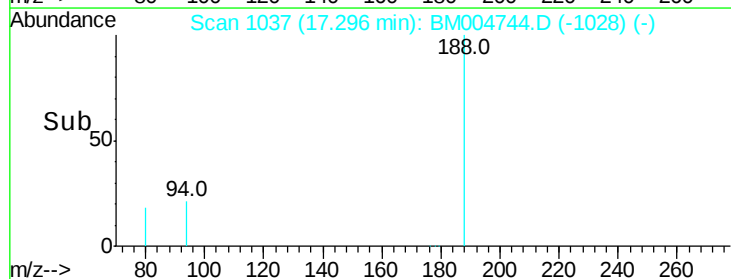
Abundance Ion 178.00 (177.70 to 178.70): E

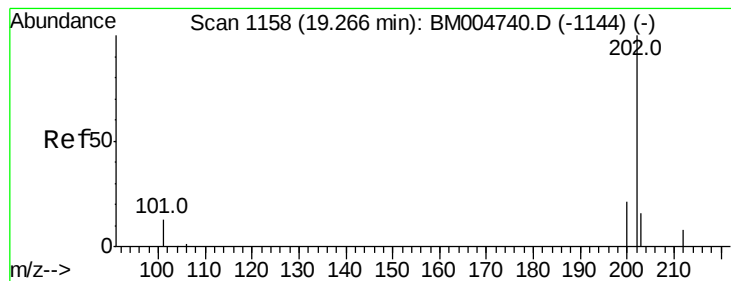
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.20 17.30 17.40 17.50





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.42 min Scan# 1170

Delta R.T. 0.15 min

Lab File: BM004744.D

Acq: 23 Mar 2016 01:56

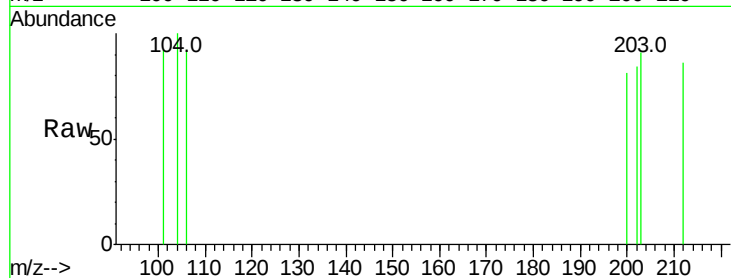
Instrument :

BNA_M

ClientSampleId :

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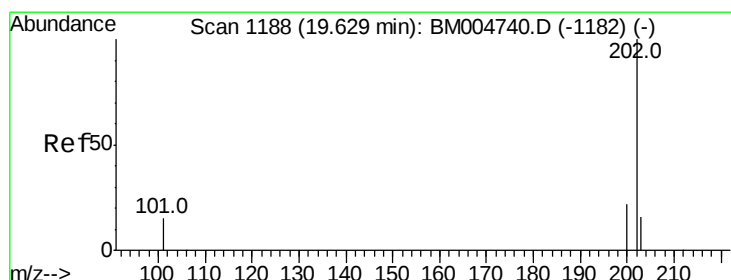
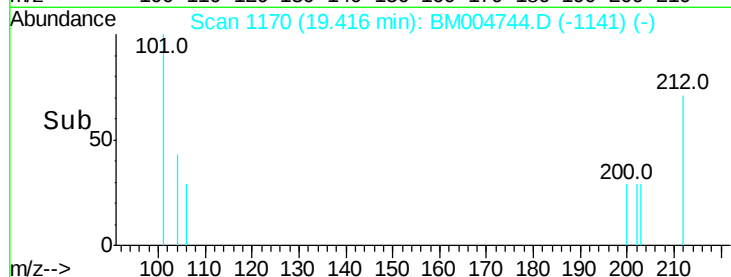
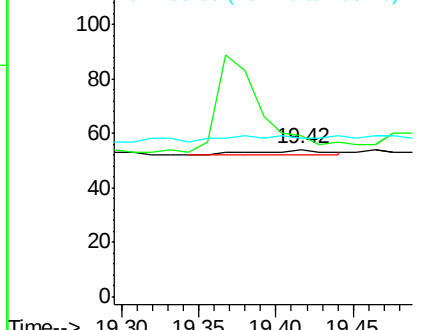
Tot Ion:	202	Resp:	6
Ion	Ratio	Lower	Upper
202	100		
101	109.3	0.0	29.6#
203	107.4	0.0	36.3#



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

Pyrene

Concen: 0.04 ng/ul

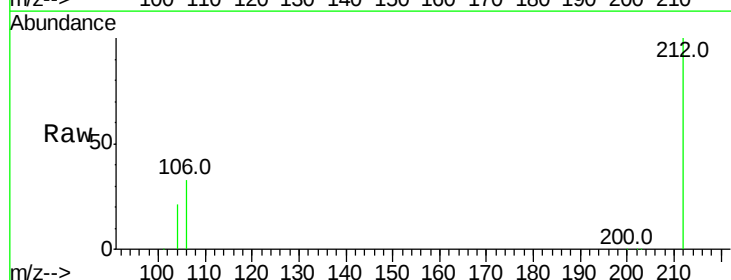
RT: 19.60 min Scan# 1185

Delta R.T. -0.03 min

Lab File: BM004744.D

Acq: 23 Mar 2016 01:56

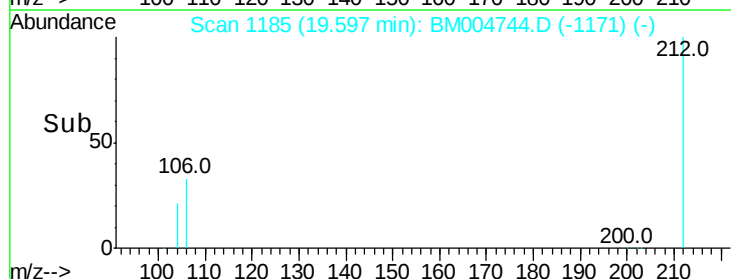
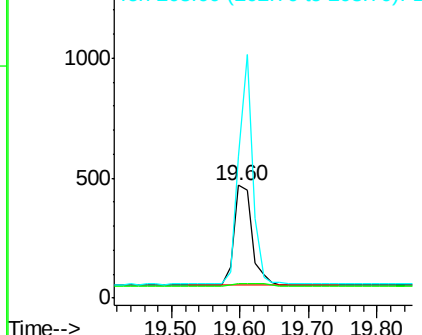
Tgt Ion:	202	Resp:	770
Ion	Ratio	Lower	Upper
202	100		
200	13.4	17.8	26.8#
203	125.6	12.8	19.2#

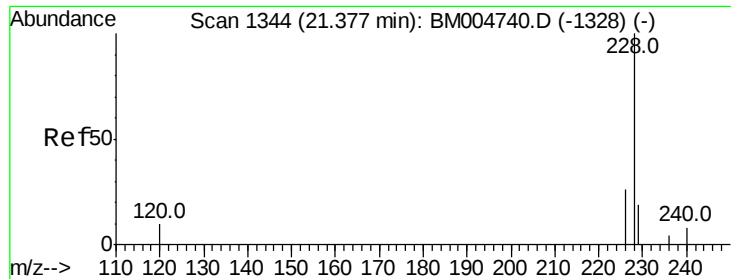


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. 0.01 min

Lab File: BM004744.D

Acq: 23 Mar 2016 01:56

Instrument :

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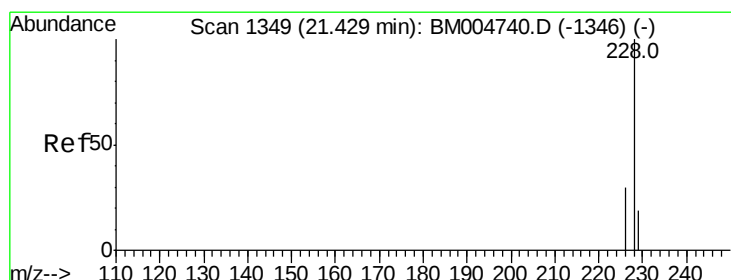
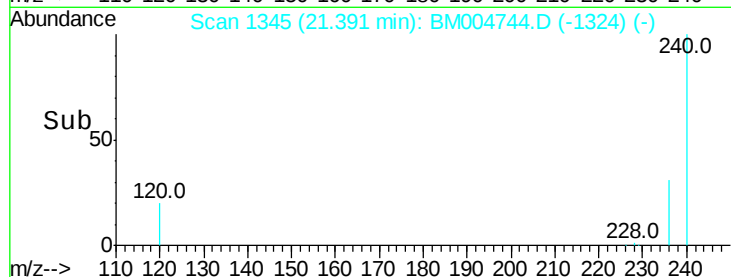
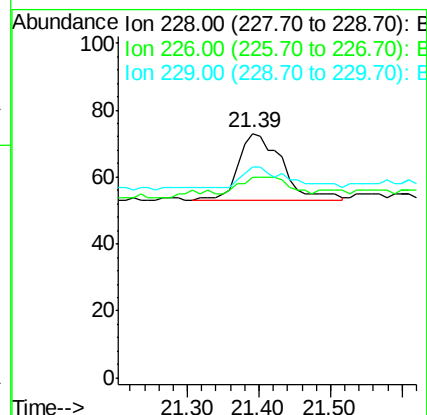
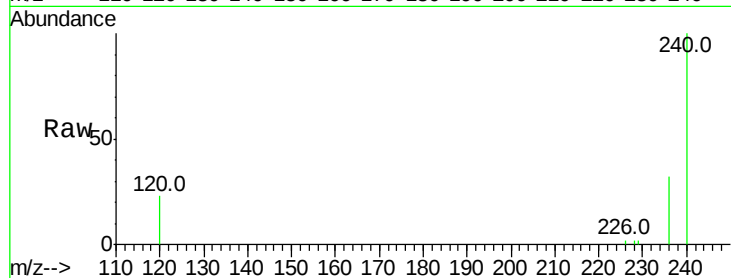
Tot Ion:228 Resp: 86

Ion Ratio Lower Upper

228 100

226 82.2 18.8 28.2#

229 86.3 17.1 25.7#



#21

Chrysene

Concen: 0.01 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. -0.04 min

Lab File: BM004744.D

Acq: 23 Mar 2016 01:56

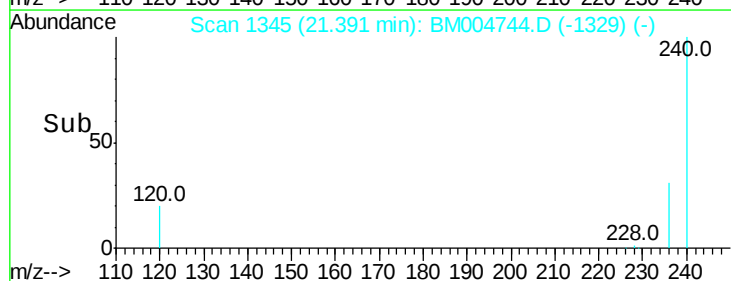
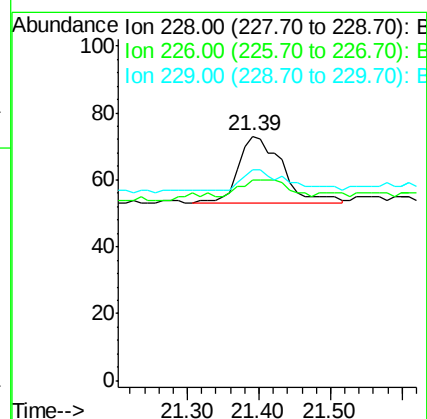
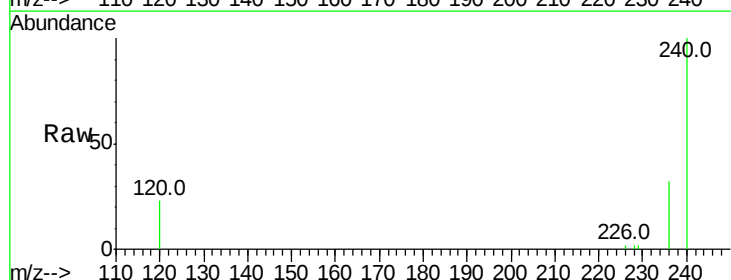
Tgt Ion:228 Resp: 86

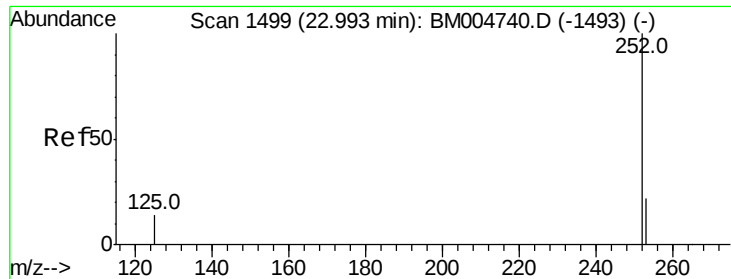
Ion Ratio Lower Upper

228 100

226 82.2 21.2 31.8#

229 86.3 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.15 min

Lab File: BM004744.D

Acq: 23 Mar 2016 01:56

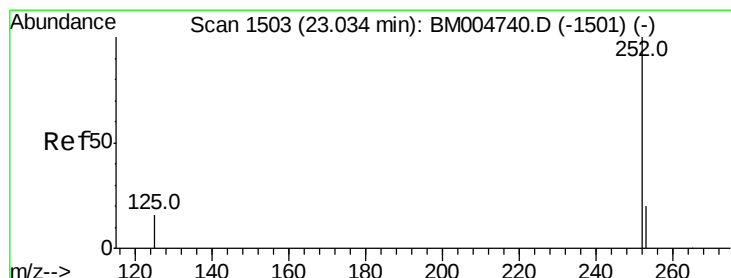
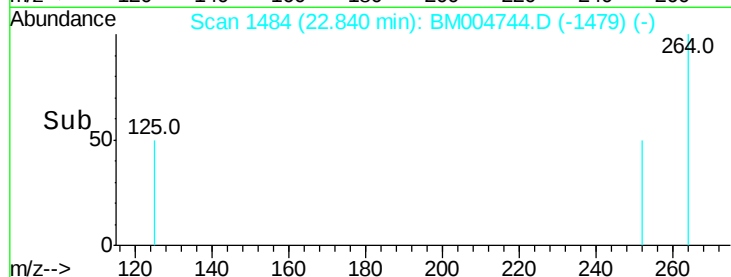
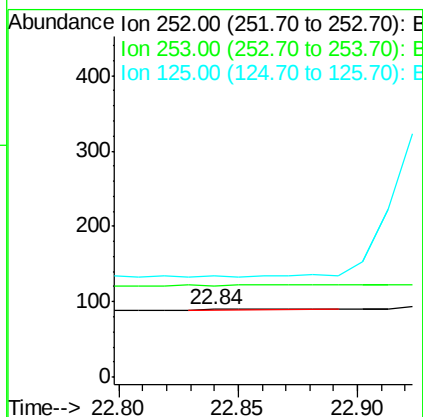
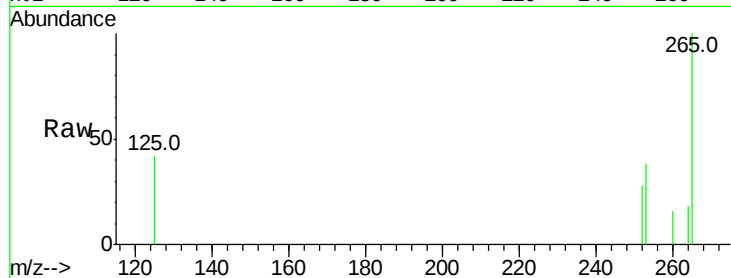
Instrument :

BNA_M

ClientSampleId :

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Tot Ion:252	Resp:	2	
Ion Ratio	Lower	Upper	
252	100		
253	134.4	0.0	45.4#
125	148.9	0.0	28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

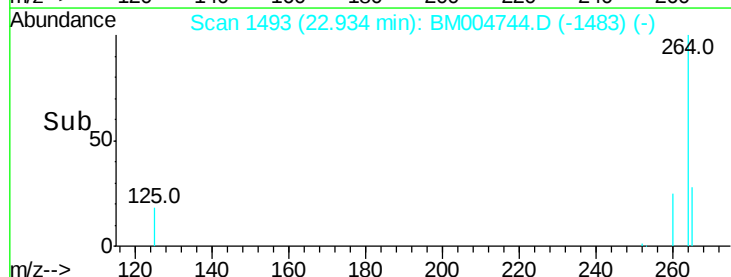
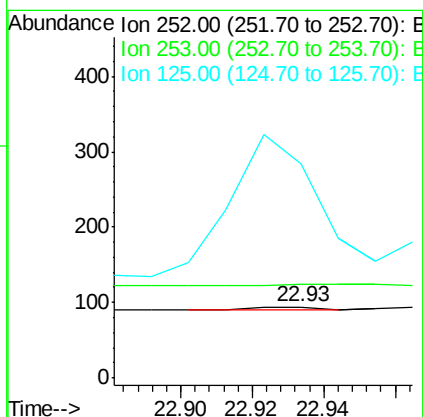
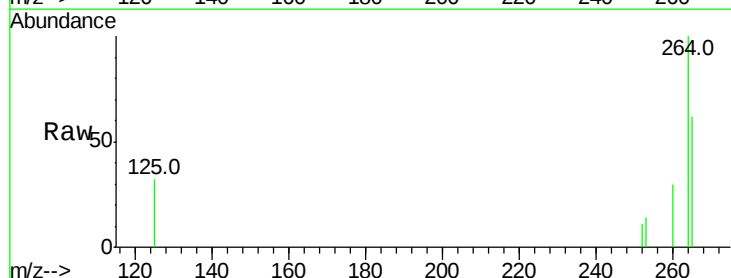
RT: 22.93 min Scan# 1493

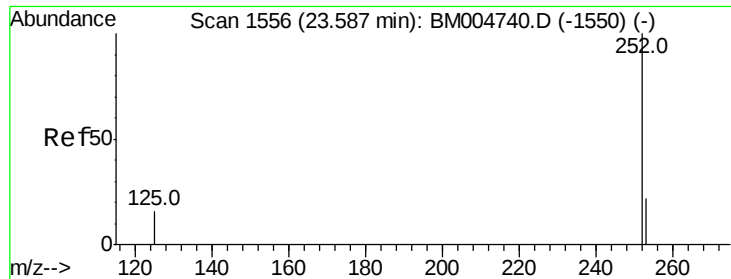
Delta R.T. -0.10 min

Lab File: BM004744.D

Acq: 23 Mar 2016 01:56

Tgt Ion:252	Resp:	6
Ion Ratio	Lower	Upper
252 100		
253 131.9	19.8	29.8#
125 302.1	10.4	15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/uI

RT: 23.54 min Scan# 1551

Delta R.T. -0.05 min

Lab File: BM004744.D

Acq: 23 Mar 2016 01:56

Instrument :

BNA_M

ClientSampleId :

A4T32

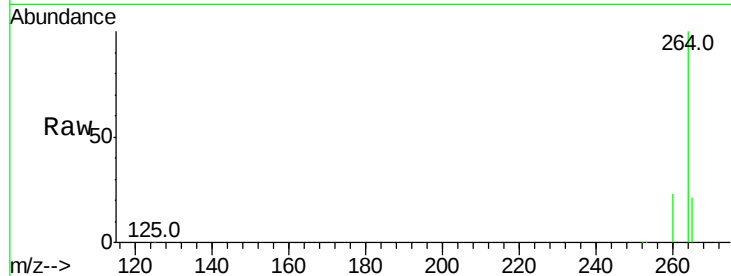
Tot Ion:252 Resp: 1526

Ion Ratio Lower Upper

252 100

253 38.5 19.4 29.2#

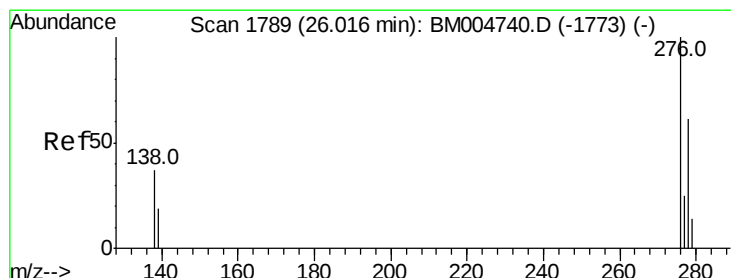
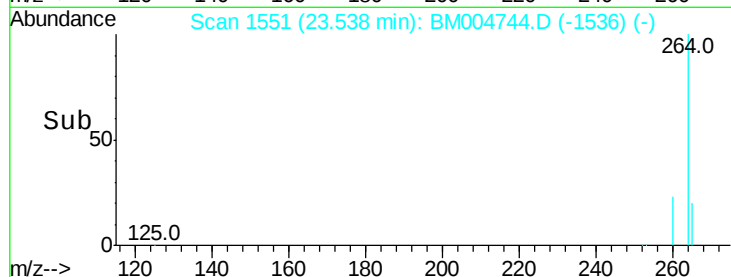
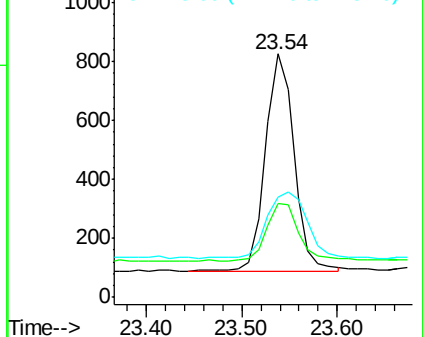
125 41.3 12.7 19.1#



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/uI

RT: 26.01 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BM004744.D

Acq: 23 Mar 2016 01:56

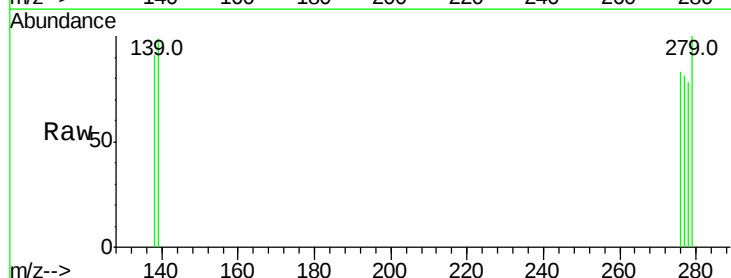
Tgt Ion:276 Resp: 17

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

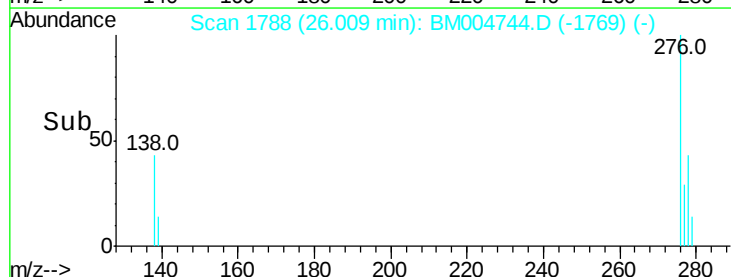
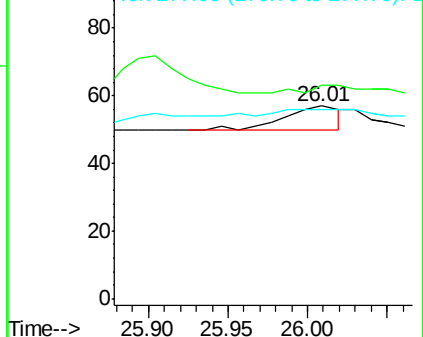
277 0.0 19.8 29.8#

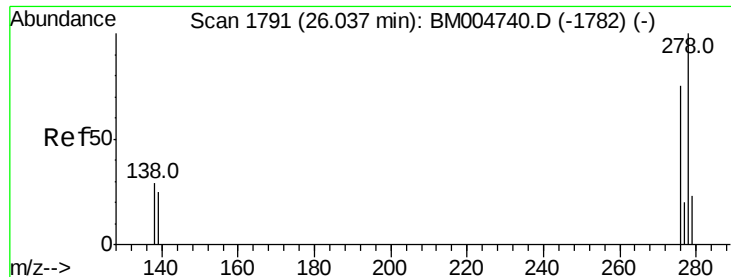


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



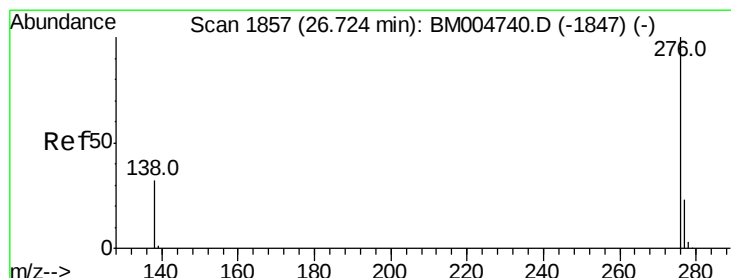
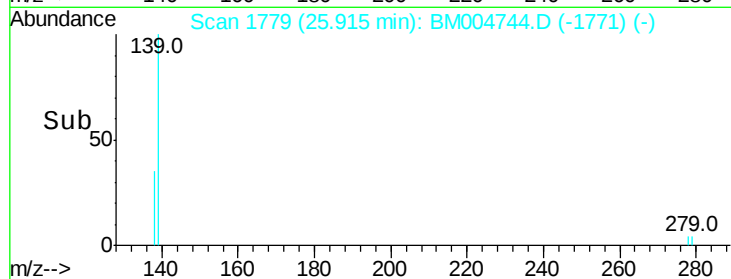
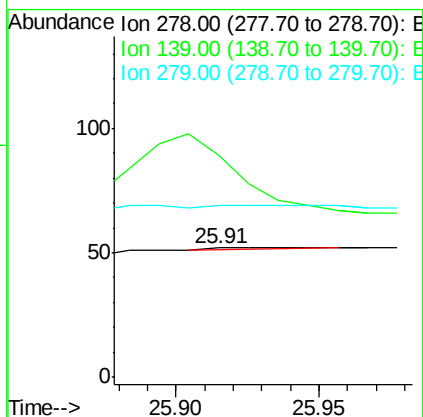
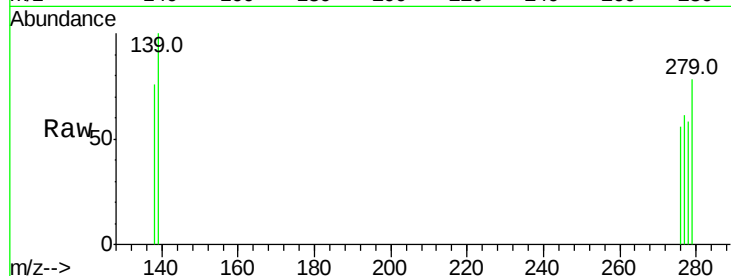


#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.91 min Scan# 1779
Delta R.T. -0.12 min
Lab File: BM004744.D
Acq: 23 Mar 2016 01:56

Instrument :
BNA_M
ClientSampleId :
A4T32

Tot Ion:278 Resp: 2

Ion	Ratio	Lower	Upper
278	100		
139	171.2	16.4	24.6#
279	132.7	20.2	30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.55 min Scan# 1840
Delta R.T. -0.17 min
Lab File: BM004744.D
Acq: 23 Mar 2016 01:56

Tgt Ion:276 Resp: 4

Ion	Ratio	Lower	Upper
276	100		
277	108.0	18.9	28.3#
138	120.0	22.5	33.7#

