

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032216\
 Data File : BM004745.D
 Acq On : 23 Mar 2016 02:32
 Operator : UM/SJ
 Sample : H1835-22
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T33

Quant Time: Mar 23 05:12:14 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	1251	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	5088	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2740	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	449361	5.00	ng/ul	0.09
18) Chrysene-d12	21.40	240	4782	5.00	ng/ul	0.00
22) Perylene-d12	23.55	264	407357	5.00	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	1932	3.19	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	2133	0.37	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	5127	0.01	ng/ul	0.00

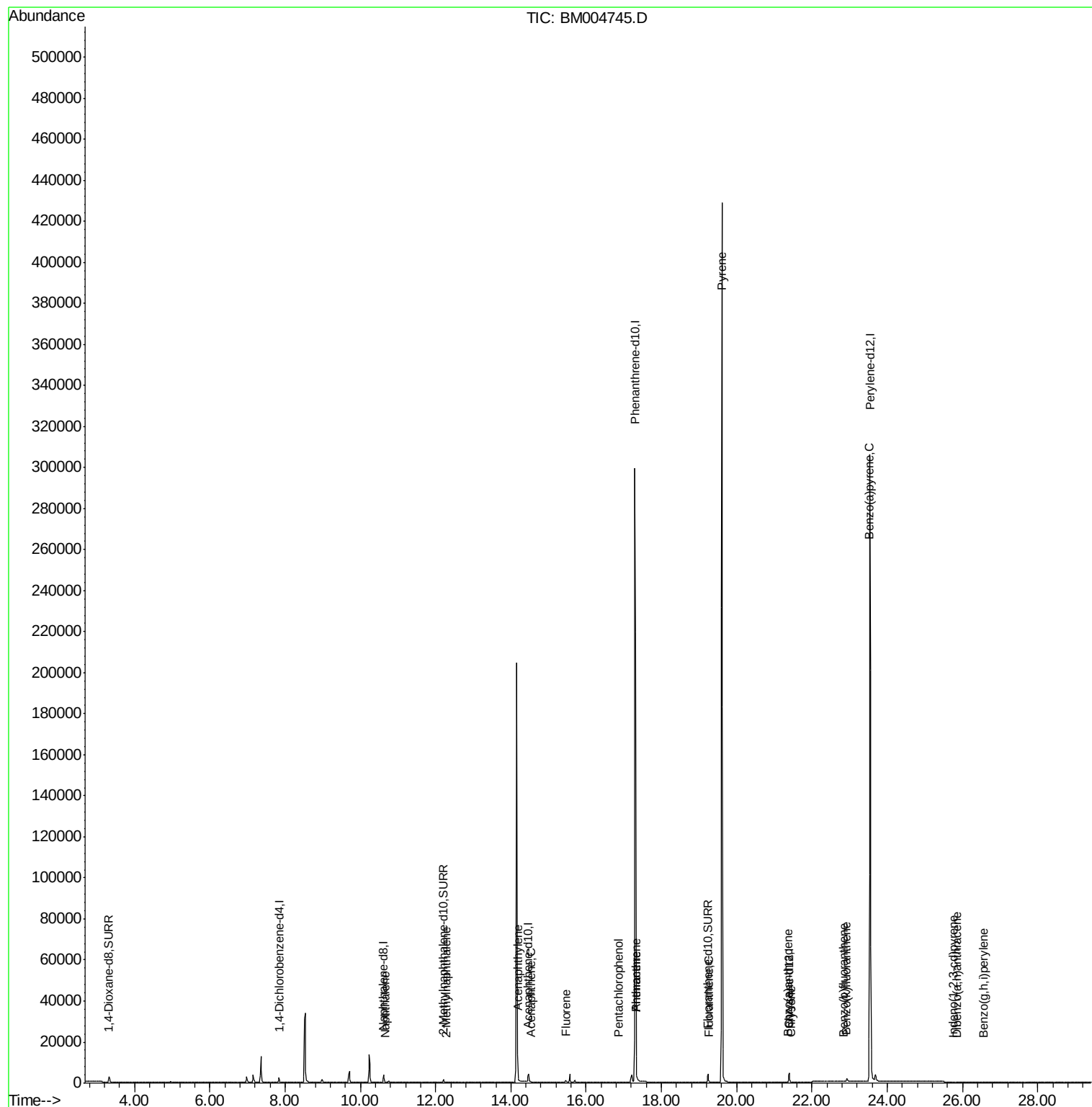
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.67	128	104	0.01	ng/ul#	1
7) 2-Methylnaphthalene	12.29	142	41	0.01	ng/ul	92
9) Acenaphthylene	14.18	152	67	0.01	ng/ul#	1
10) Acenaphthene	14.52	153	42	0.00	ng/ul#	78
11) Fluorene	15.46	166	826	0.09	ng/ul#	23
13) Pentachlorophenol	16.87	266	62	0.00	ng/ul	92
14) Phenanthrene	17.33	178	499	0.00	ng/ul#	41
15) Anthracene	17.33	178	490	0.00	ng/ul#	40
17) Fluoranthene	19.27	202	252	0.00	ng/ul#	44
19) Pyrene	19.60	202	1090	0.07	ng/ul#	1
20) Benzo(a)anthracene	21.38	228	211	0.02	ng/ul#	51
21) Chrysene	21.43	228	177	0.01	ng/ul#	50
23) Benzo(b)fluoranthene	22.85	252	8	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.92	252	11	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.53	252	1776	0.00	ng/ul#	61
26) Indeno(1,2,3-cd)pyrene	25.76	276	2	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.85	278	3	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.56	276	2	0.00	ng/ul#	1

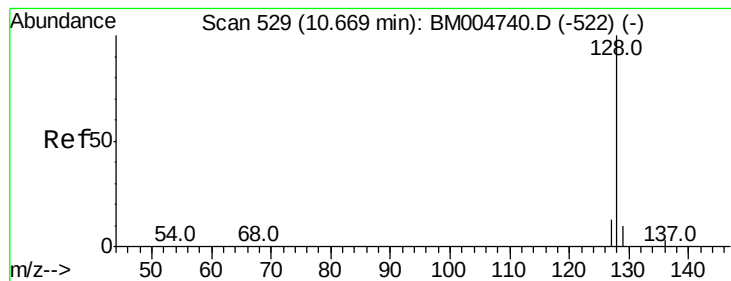
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM004745.D

Acq: 23 Mar 2016 02:32

Instrument :

BNA_M

ClientSampleId :

A4T33

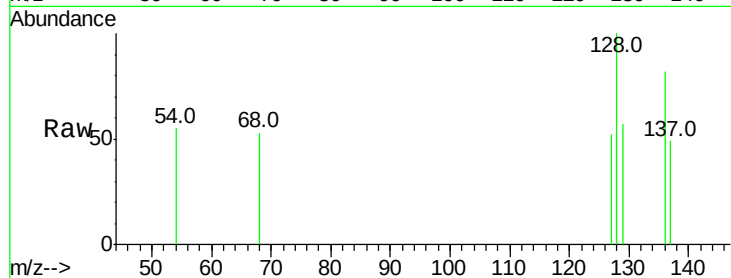
Tot Ion:128 Resp: 104

Ion Ratio Lower Upper

128 100

129 56.9 9.0 13.6#

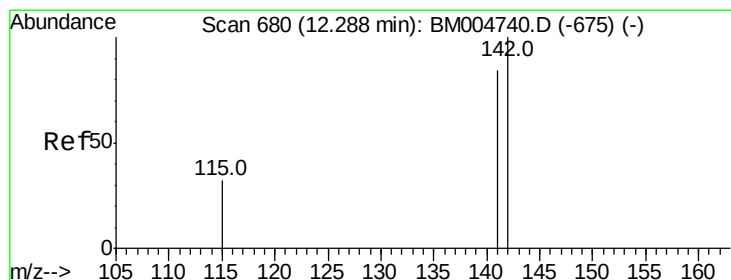
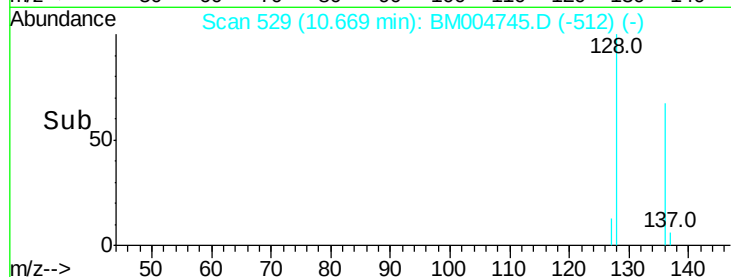
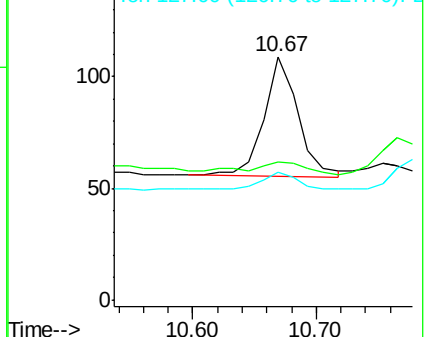
127 52.3 9.6 14.4#



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: BM004745.D

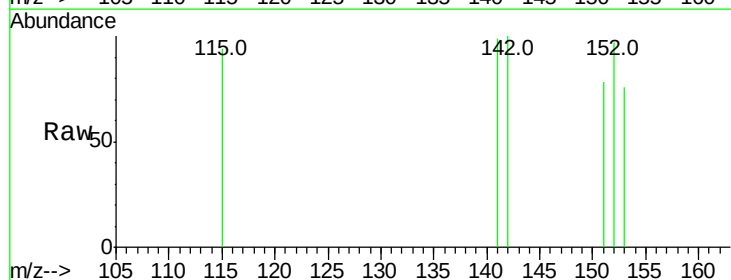
Acq: 23 Mar 2016 02:32

Tgt Ion:142 Resp: 41

Ion Ratio Lower Upper

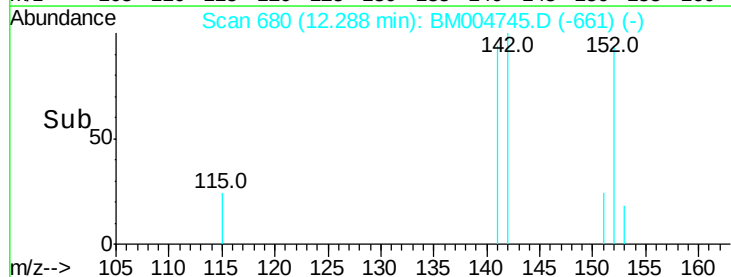
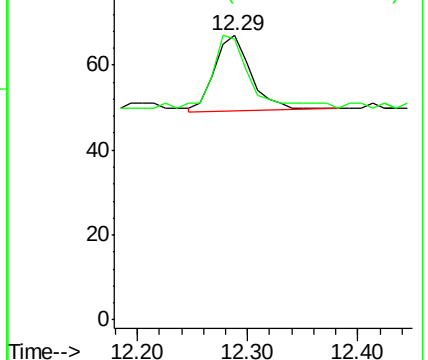
142 100

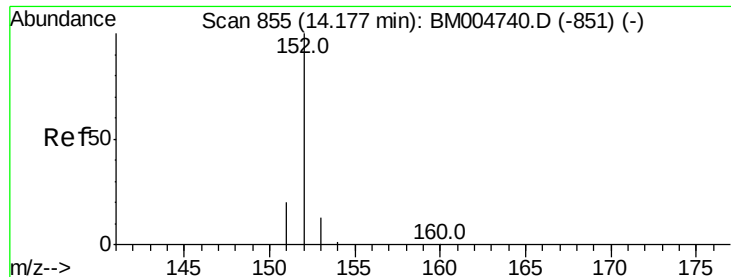
141 95.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004745.D

Acq: 23 Mar 2016 02:32

Instrument :

BNA_M

ClientSampled :

A4T33

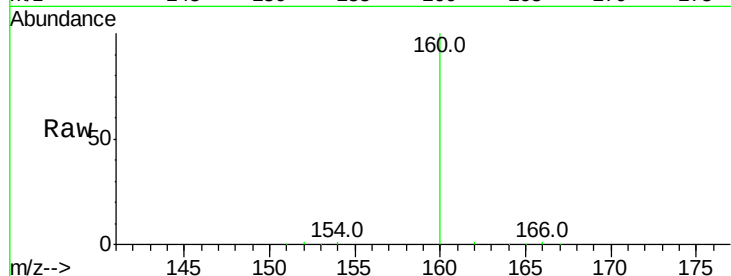
Tot Ion:152 Resp: 67

Ion Ratio Lower Upper

152 100

151 74.3 17.6 26.4#

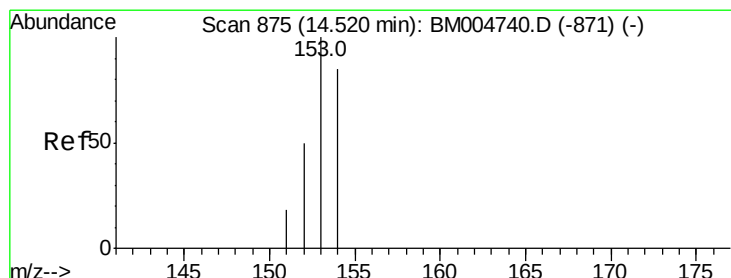
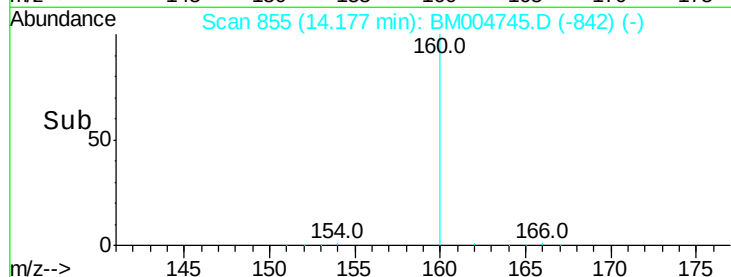
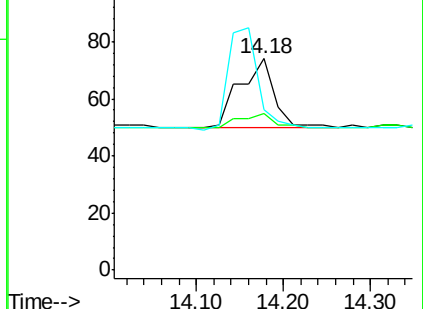
153 75.7 9.7 14.5#



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: BM004745.D

Acq: 23 Mar 2016 02:32

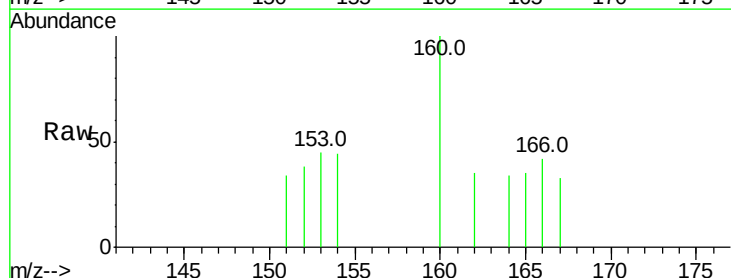
Tgt Ion:153 Resp: 42

Ion Ratio Lower Upper

153 100

152 85.9 33.9 50.9#

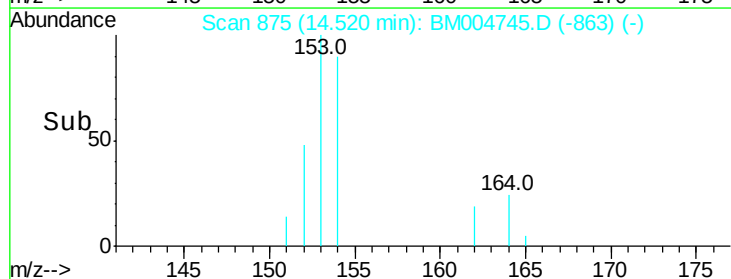
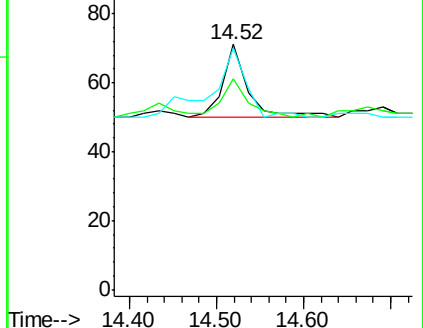
154 98.6 80.6 121.0

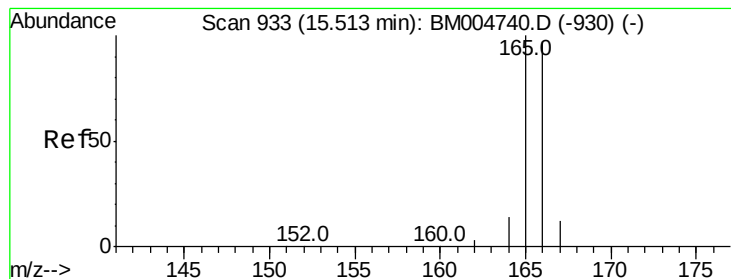


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.09 ng/ul

RT: 15.46 min Scan# 930

Delta R.T. -0.05 min

Lab File: BM004745.D

Acq: 23 Mar 2016 02:32

Instrument :

BNA_M

ClientSampleId :

A4T33

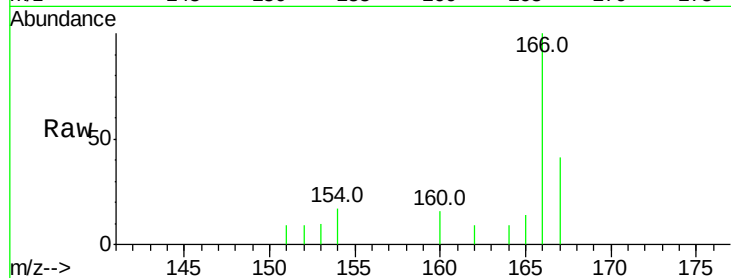
Tot Ion:166 Resp: 826

Ion Ratio Lower Upper

166 100

165 13.8 69.6 104.4#

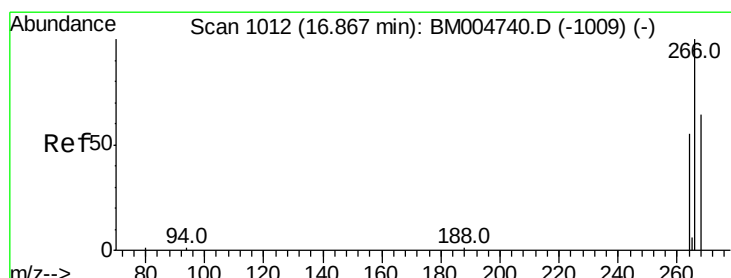
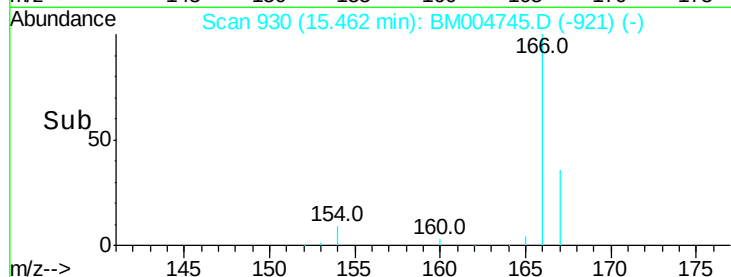
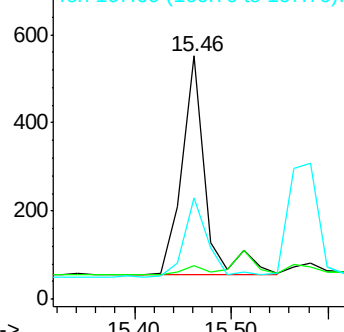
167 41.5 11.9 17.9#



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: BM004745.D

Acq: 23 Mar 2016 02:32

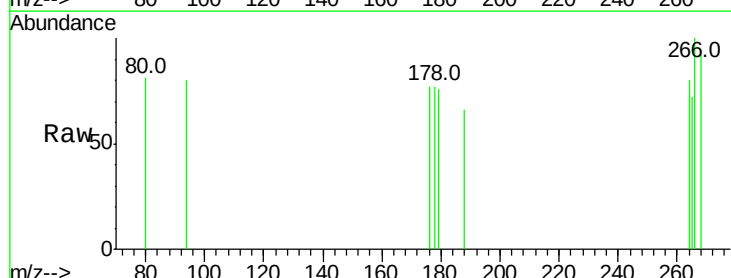
Tgt Ion:266 Resp: 62

Ion Ratio Lower Upper

266 100

264 56.5 51.8 77.8

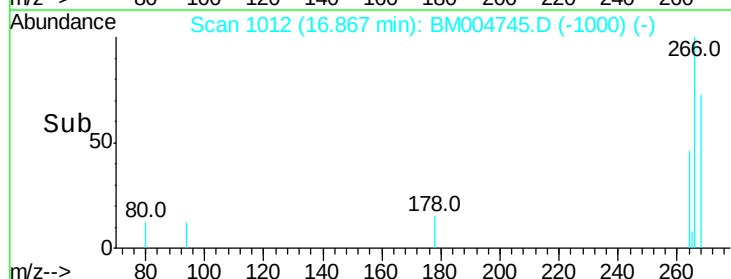
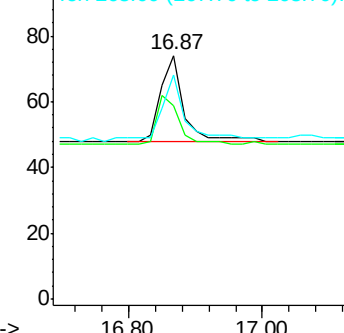
268 62.9 46.8 70.2

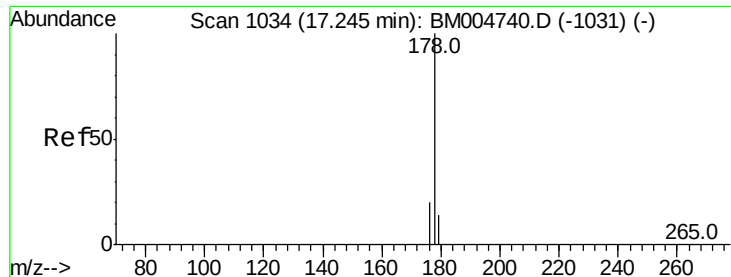


Abundance Ion 266.00 (265.70 to 266.70): E

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: 17.33 min Scan# 1039

Delta R.T. 0.09 min

Lab File: BM004745.D

Acq: 23 Mar 2016 02:32

Instrument :

BNA_M

ClientSampleId :

A4T33

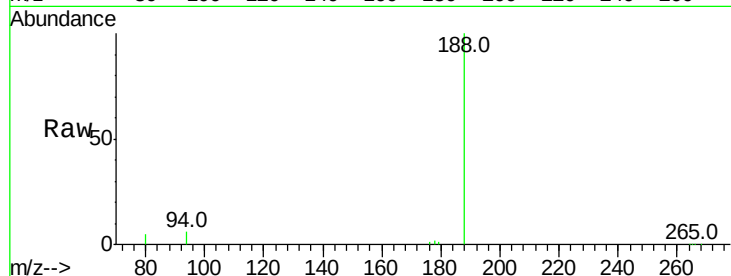
Tot Ion:178 Resp: 499

Ion Ratio Lower Upper

178 100

176 39.3 13.0 19.4#

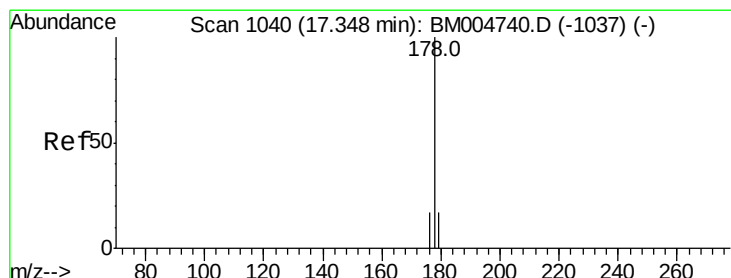
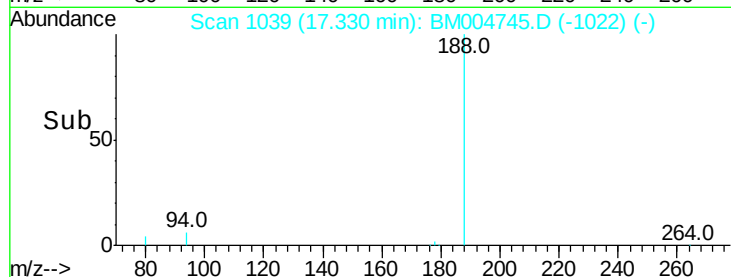
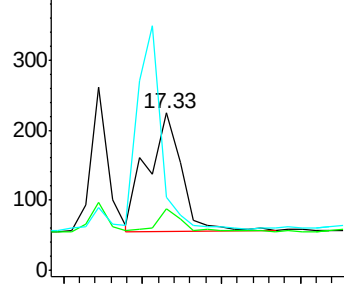
179 46.0 14.2 21.2#



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: 17.33 min Scan# 1039

Delta R.T. -0.02 min

Lab File: BM004745.D

Acq: 23 Mar 2016 02:32

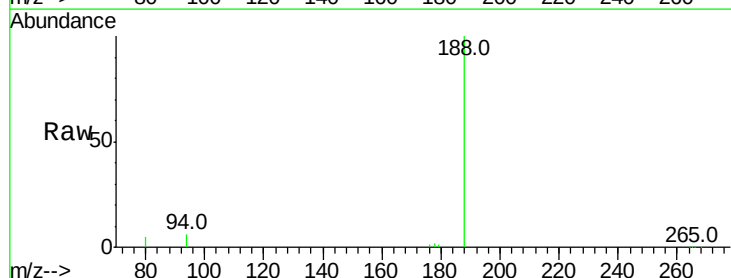
Tgt Ion:178 Resp: 490

Ion Ratio Lower Upper

178 100

176 39.3 14.0 21.0#

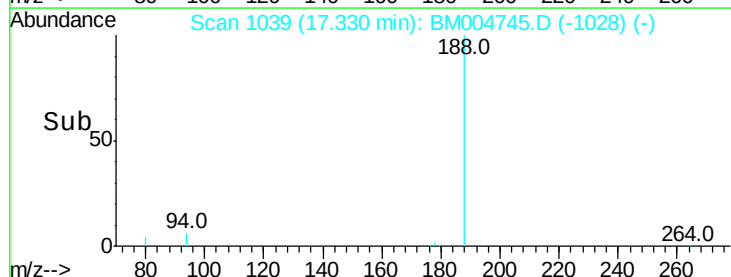
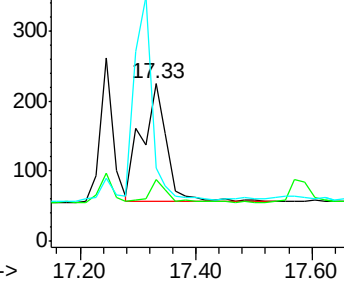
179 46.0 12.9 19.3#

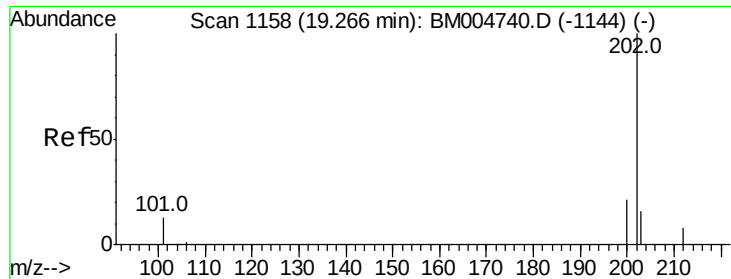


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.27 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BM004745.D

Acq: 23 Mar 2016 02:32

Instrument :

BNA_M

ClientSampleId :

A4T33

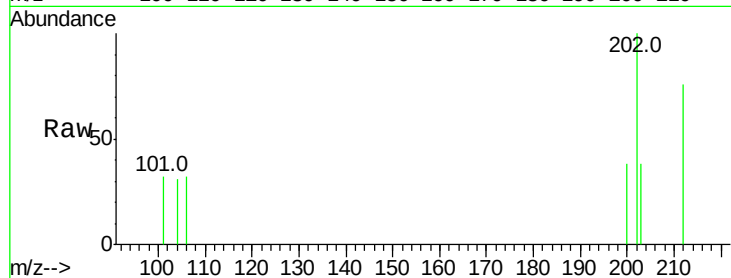
Tot Ion:202 Resp: 252

Ion Ratio Lower Upper

202 100

101 32.3 0.0 29.6#

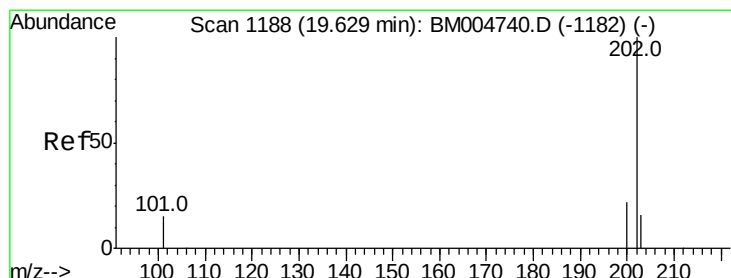
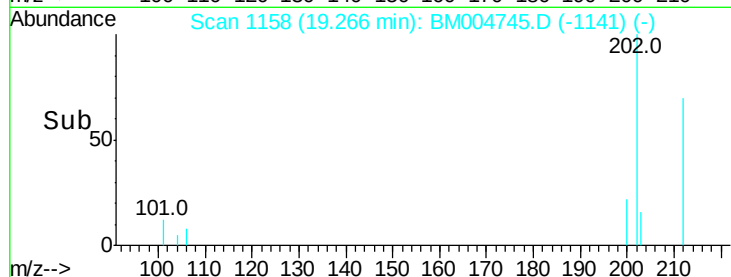
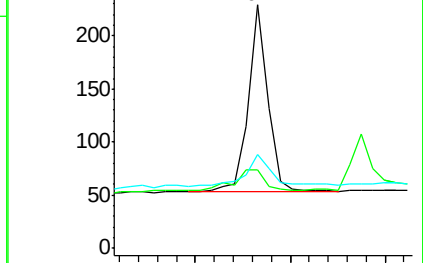
203 38.4 0.0 36.3#



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: 0.07 ng/ul

RT: 19.60 min Scan# 1186

Delta R.T. -0.02 min

Lab File: BM004745.D

Acq: 23 Mar 2016 02:32

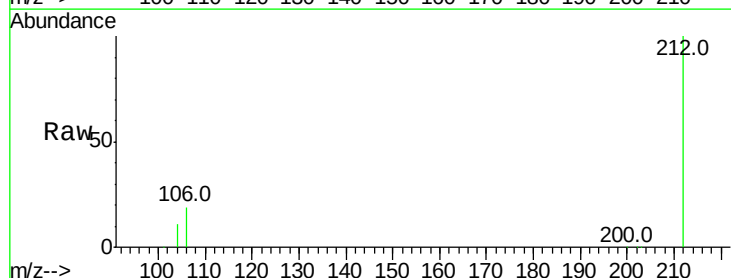
Tgt Ion:202 Resp: 1090

Ion Ratio Lower Upper

202 100

200 11.9 17.8 26.8#

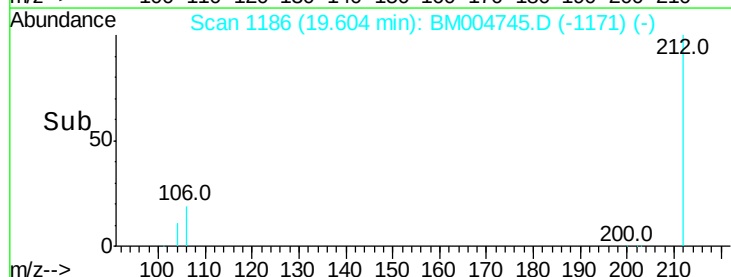
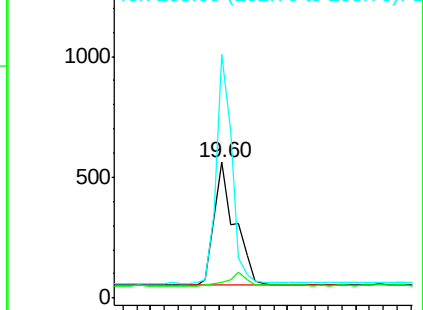
203 179.0 12.8 19.2#

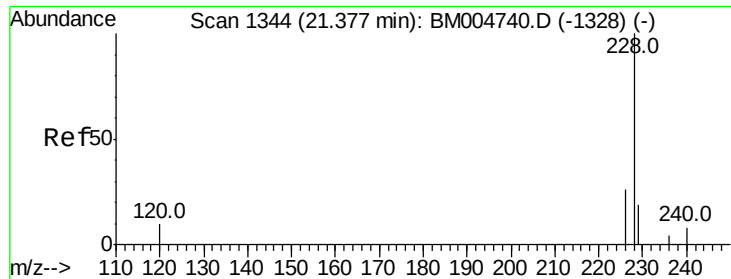


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.00 min

Lab File: BM004745.D

Acq: 23 Mar 2016 02:32

Instrument :

BNA_M

ClientSampleId :

A4T33

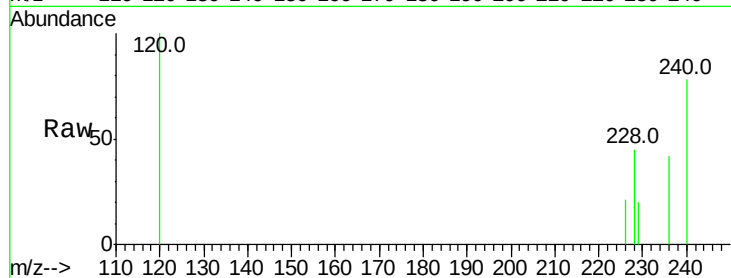
Tot Ion:228 Resp: 211

Ion Ratio Lower Upper

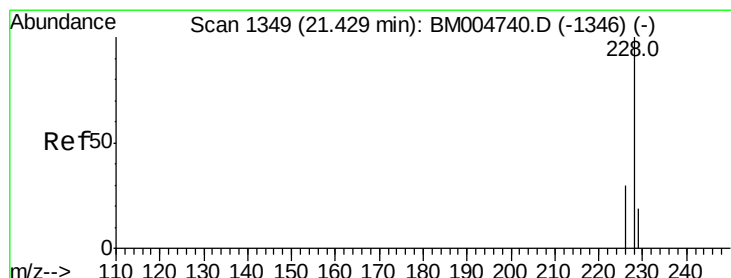
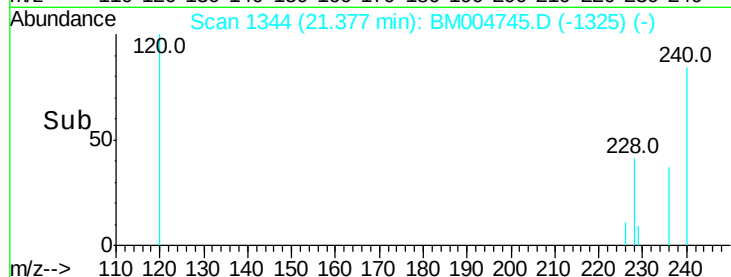
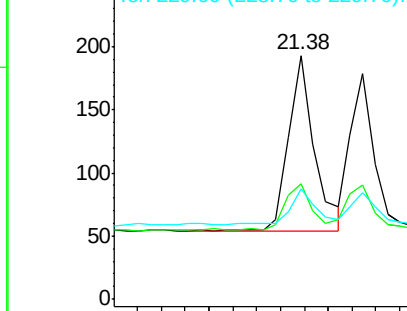
228 100

226 47.2 18.8 28.2#

229 45.1 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: 0.01 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BM004745.D

Acq: 23 Mar 2016 02:32

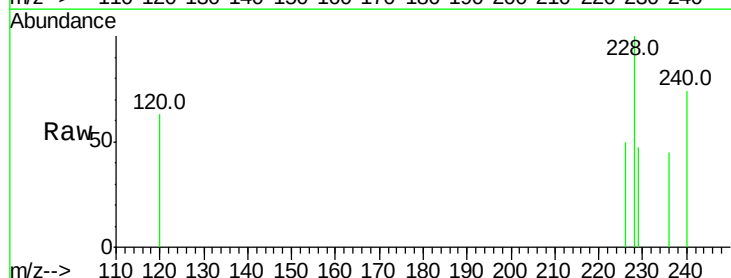
Tgt Ion:228 Resp: 177

Ion Ratio Lower Upper

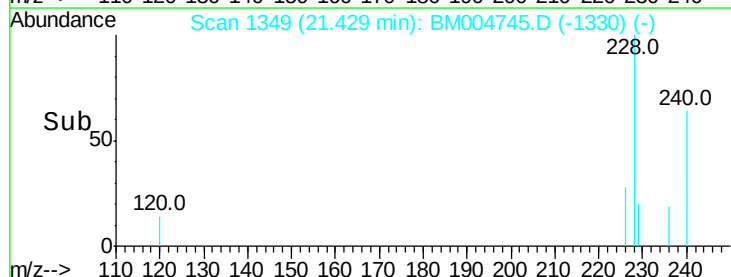
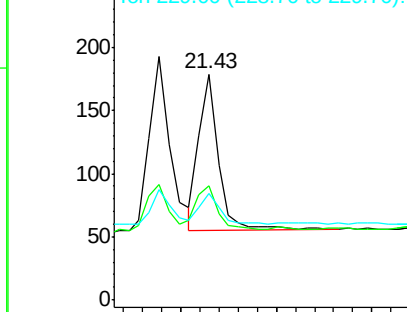
228 100

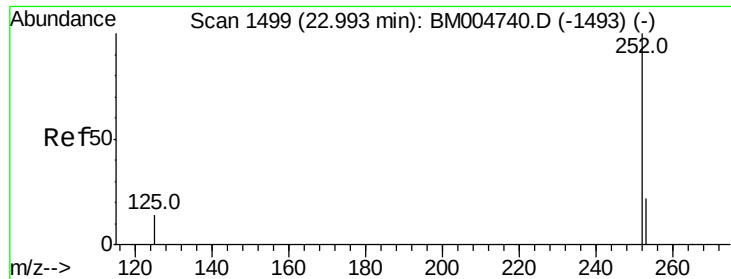
226 50.3 21.2 31.8#

229 46.9 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. -0.15 min

Lab File: BM004745.D

Acq: 23 Mar 2016 02:32

Instrument :

BNA_M

ClientSampleId :

A4T33

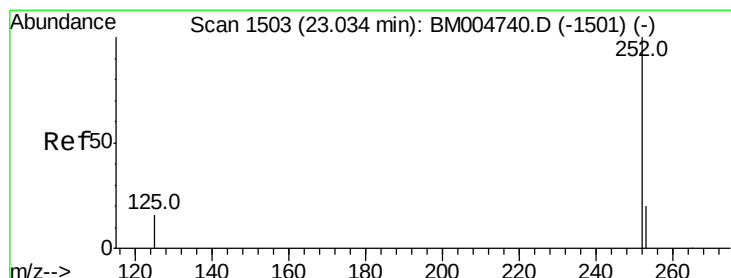
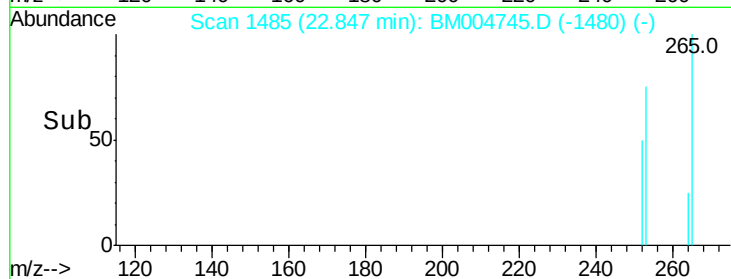
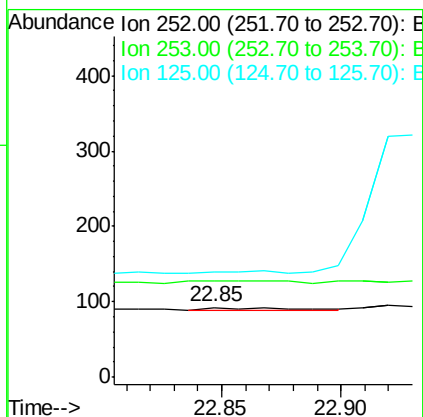
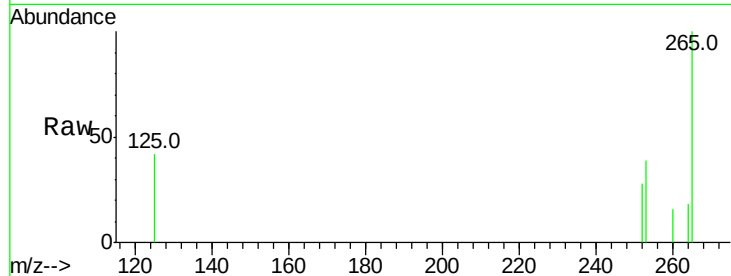
Tot Ion:252 Resp: 8

Ion Ratio Lower Upper

252 100

253 138.0 0.0 45.4#

125 151.1 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.92 min Scan# 1492

Delta R.T. -0.11 min

Lab File: BM004745.D

Acq: 23 Mar 2016 02:32

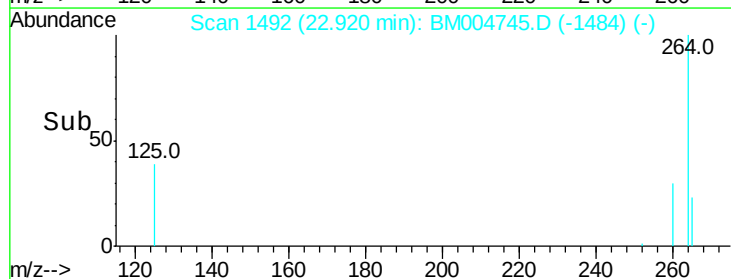
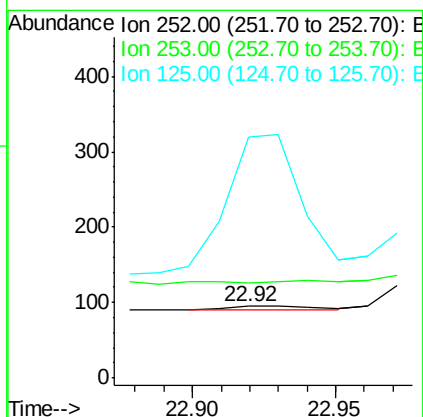
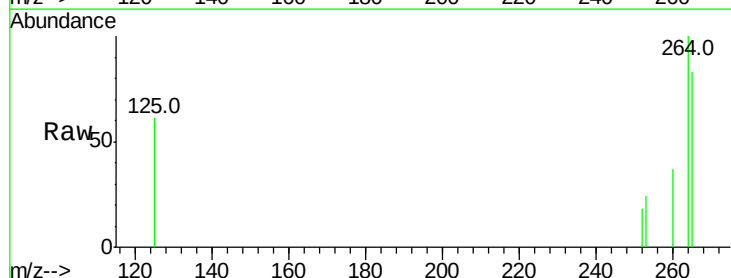
Tgt Ion:252 Resp: 11

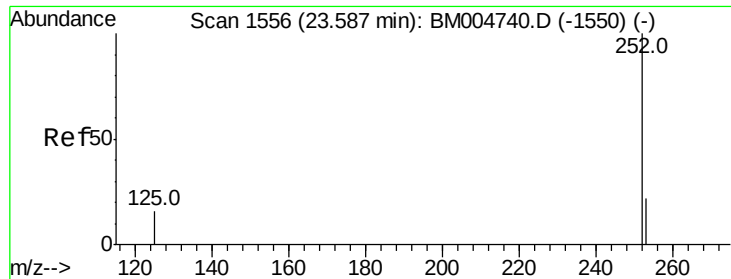
Ion Ratio Lower Upper

252 100

253 132.6 19.8 29.8#

125 335.8 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.53 min Scan# 1551

Delta R.T. -0.05 min

Lab File: BM004745.D

Acq: 23 Mar 2016 02:32

Instrument :

BNA_M

ClientSampleId :

A4T33

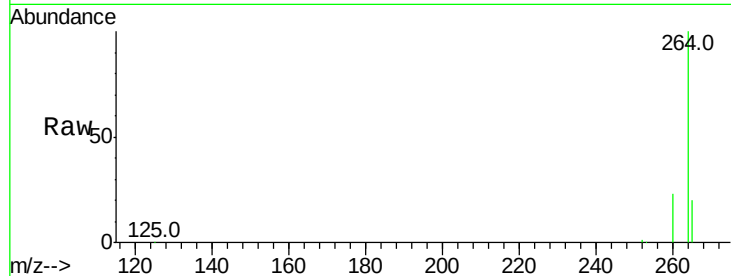
Tot Ion:252 Resp: 1776

Ion Ratio Lower Upper

252 100

253 37.5 19.4 29.2#

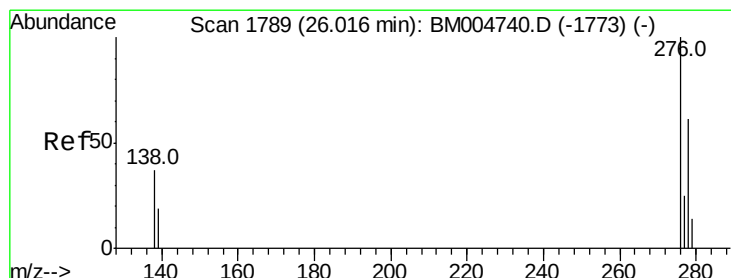
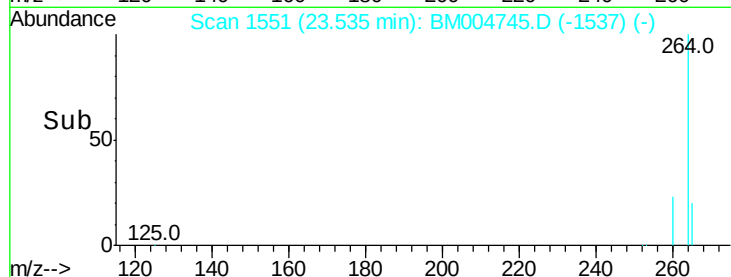
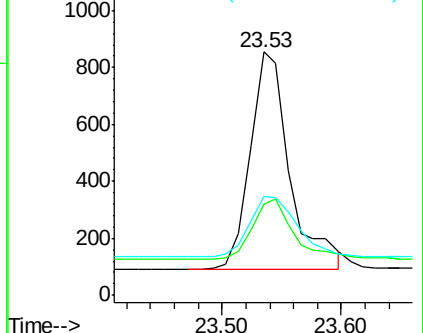
125 40.5 12.7 19.1#



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: 25.76 min Scan# 1764

Delta R.T. -0.26 min

Lab File: BM004745.D

Acq: 23 Mar 2016 02:32

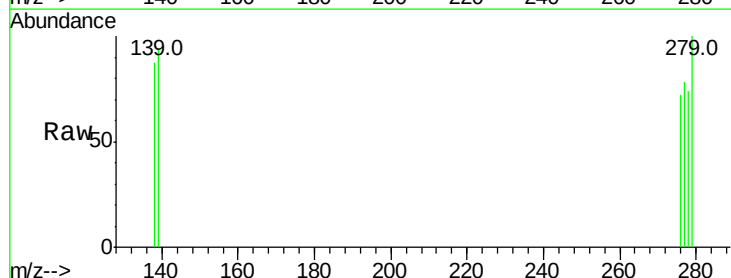
Tgt Ion:276 Resp: 2

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

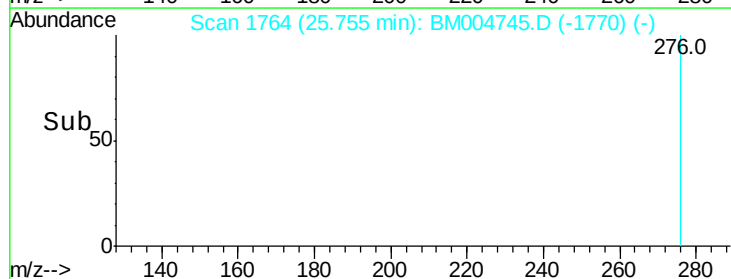
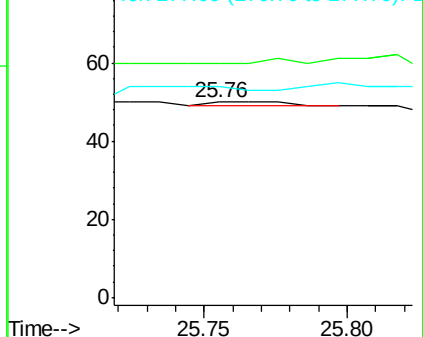
277 0.0 19.8 29.8#

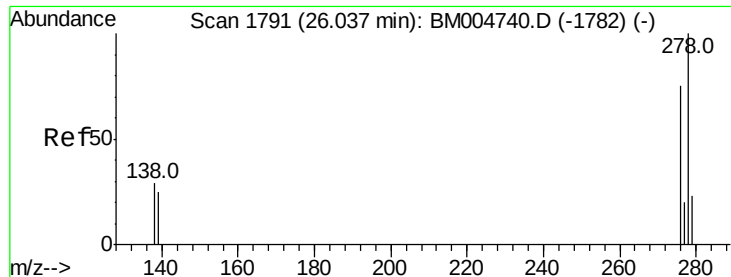


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

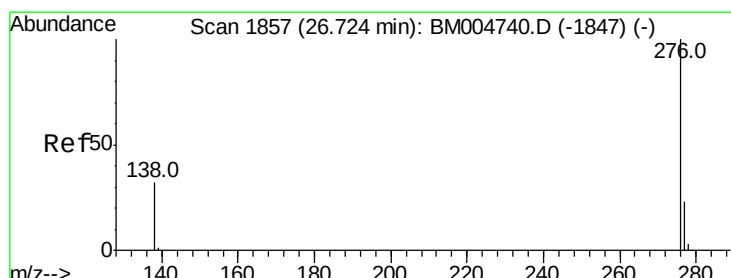
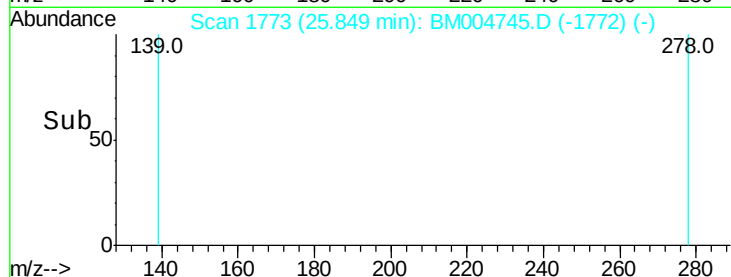
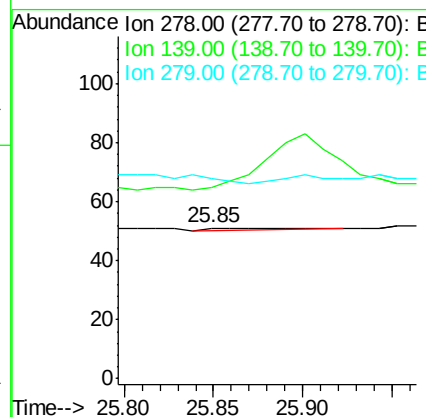
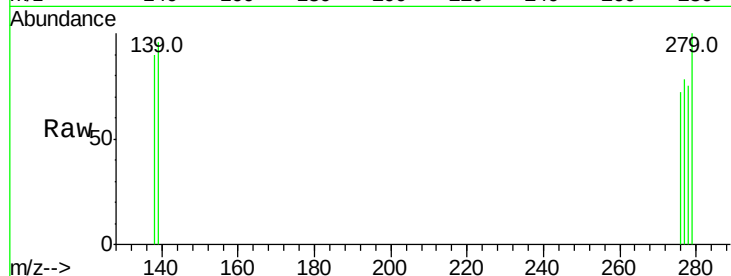




#27
 Dibenzo(a,h)anthracene
 Concen: 0.00 ng/ul
 RT: 25.85 min Scan# 1773
 Delta R.T. -0.19 min
 Lab File: BM004745.D
 Acq: 23 Mar 2016 02:32

Instrument :
 BNA_M
 ClientSampleId :
 A4T33

Tot Ion:278 Resp: 3
 Ion Ratio Lower Upper
 278 100
 139 127.5 16.4 24.6#
 279 133.3 20.2 30.2#



#28
 Benzo(g,h,i)perylene
 Concen: 0.00 ng/ul
 RT: 26.56 min Scan# 1841
 Delta R.T. -0.17 min
 Lab File: BM004745.D
 Acq: 23 Mar 2016 02:32

Tgt Ion:276 Resp: 2
 Ion Ratio Lower Upper
 276 100
 277 108.0 18.9 28.3#
 138 120.0 22.5 33.7#

