

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006341.D
 Acq On : 08 Jul 2016 04:55
 Operator : UM/SJ
 Sample : H3811-03DL 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV3DL

Quant Time: Jul 08 08:22:48 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 08:04:54 2016
 Response via : Initial Calibration

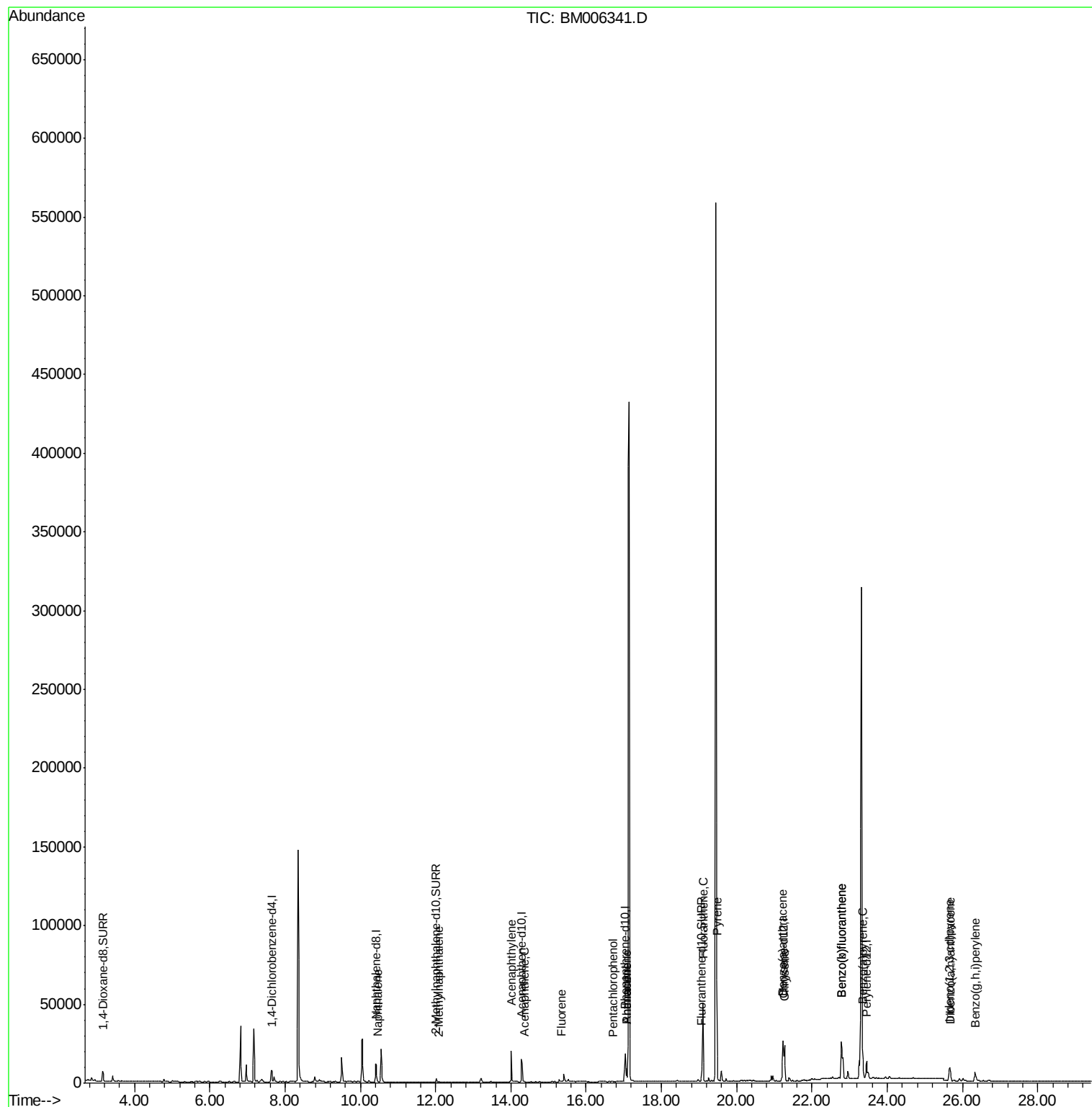
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4631	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	18426	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	10950	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.04	188	23767	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	16670	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	14373	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	4941	2.52	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	3931	0.18	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	9073	0.18	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.46	128	679	0.02	ng/ul#	63
7) 2-Methylnaphthalene	12.09	142	400	0.01	ng/ul	99
9) Acenaphthylene	14.01	152	3712	0.10	ng/ul#	94
10) Acenaphthene	14.35	153	330	0.01	ng/ul#	82
11) Fluorene	15.34	166	499	0.01	ng/ul#	74
13) Pentachlorophenol	16.71	266	33	0.01	ng/ul#	56
14) Phenanthrene	17.07	178	9350	0.14	ng/ul#	93
15) Anthracene	17.07	178	9282	0.15	ng/ul	96
17) Fluoranthene	19.11	202	51526	0.71	ng/ul	93
19) Pyrene	19.47	202	55030	0.79	ng/ul	94
20) Benzo(a)anthracene	21.22	228	21922	0.41	ng/ul#	91
21) Chrysene	21.27	228	24351	0.46	ng/ul	95
23) Benzo(b)fluoranthene	22.78	252	49347	0.96	ng/ul	97
24) Benzo(k)fluoranthene	22.78	252	49347	1.03	ng/ul#	97
25) Benzo(a)pyrene	23.35	252	20294	0.42	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.66	276	15189	0.29	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.67	278	3706	0.09	ng/ul#	67
28) Benzo(g,h,i)perylene	26.34	276	12622	0.28	ng/ul	95

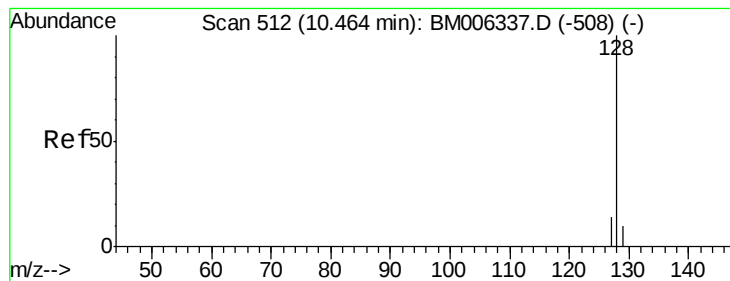
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: BM006341.D

Acq: 08 Jul 2016 04:55

Instrument :

BNA_M

ClientSampleId :

A4TV3DL

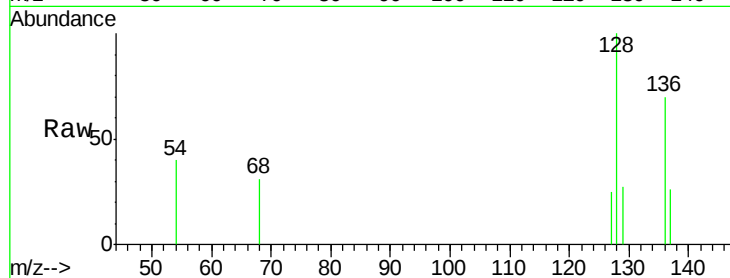
Tgt Ion:128 Resp: 679

Ion Ratio Lower Upper

128 100

129 26.9 9.0 13.6#

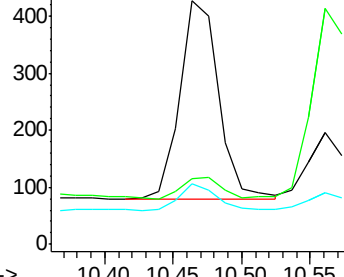
127 24.8 9.6 14.4#



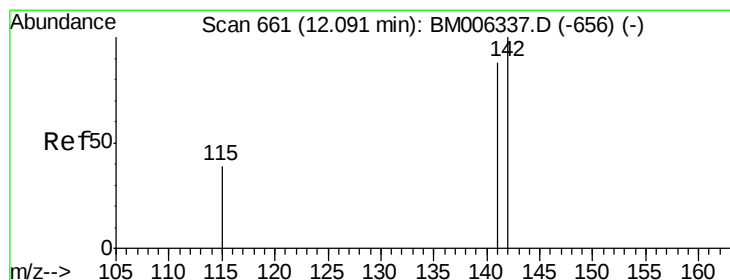
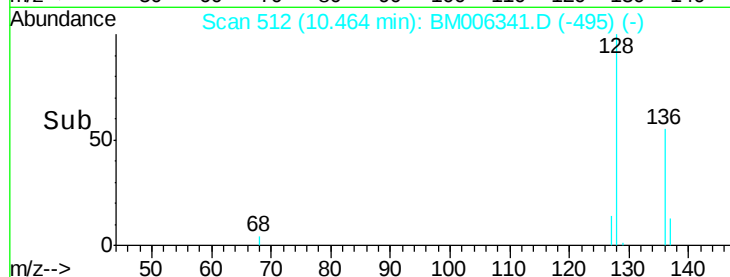
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006341.D

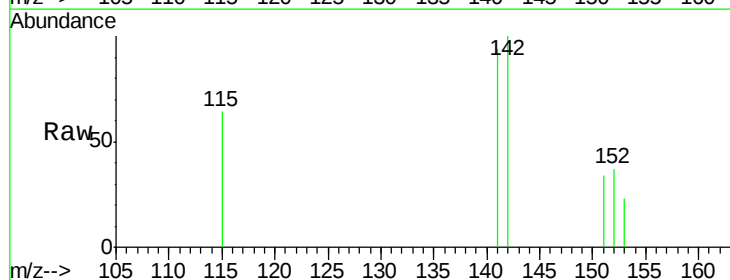
Acq: 08 Jul 2016 04:55

Tgt Ion:142 Resp: 400

Ion Ratio Lower Upper

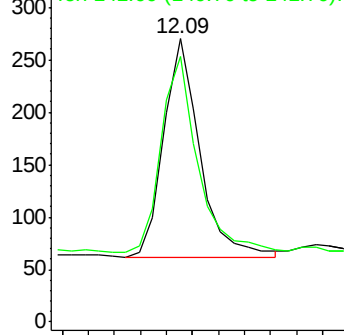
142 100

141 89.3 70.3 105.5

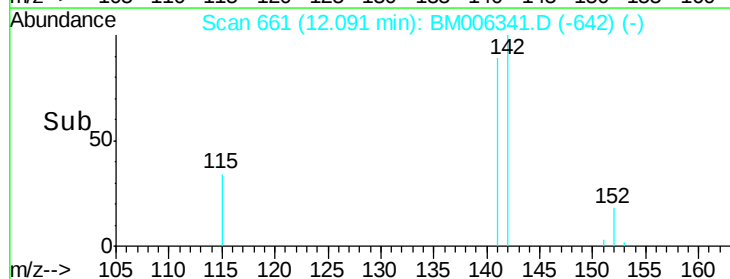


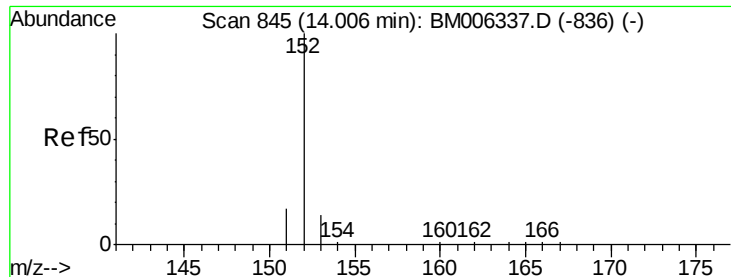
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#9

Acenaphthylene

Concen: 0.10 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006341.D

Acq: 08 Jul 2016 04:55

Instrument :

BNA_M

ClientSampleId :

A4TV3DL

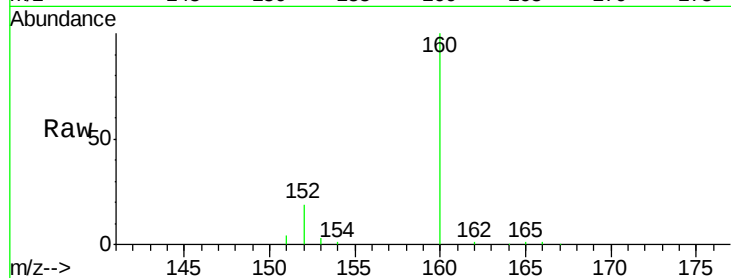
Tgt Ion:152 Resp: 3712

Ion Ratio Lower Upper

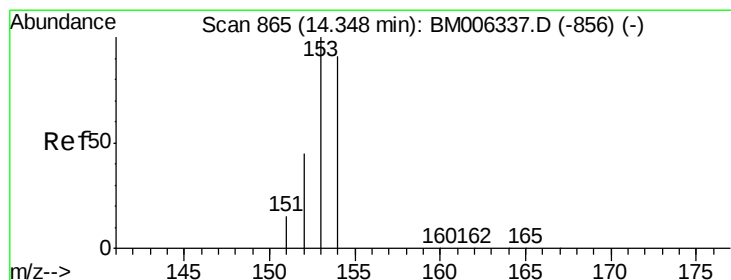
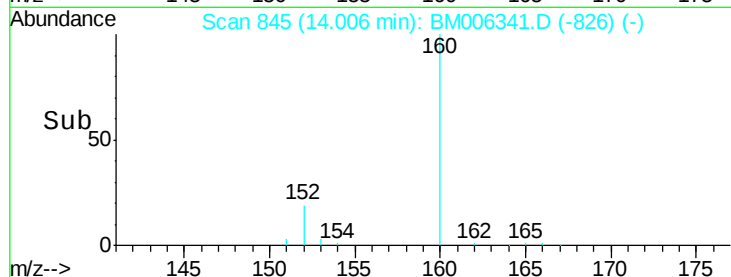
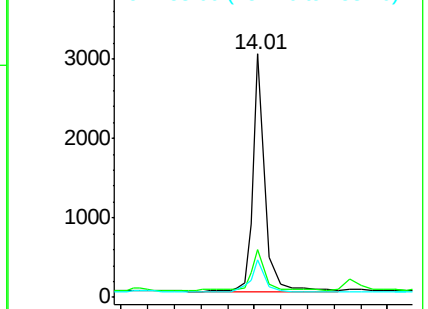
152 100

151 19.9 17.6 26.4

153 15.6 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



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM006341.D

Acq: 08 Jul 2016 04:55

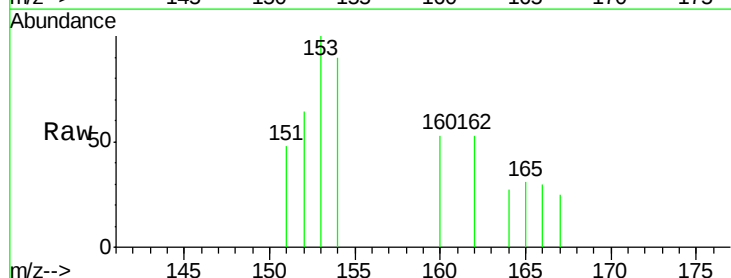
Tgt Ion:153 Resp: 330

Ion Ratio Lower Upper

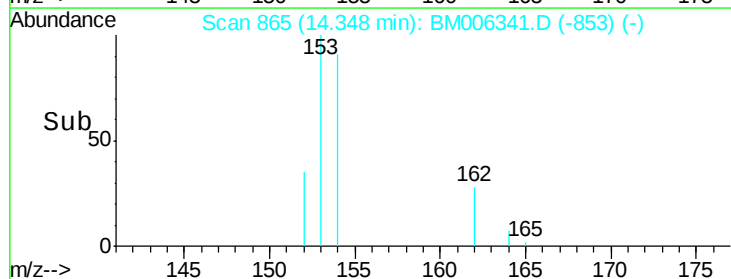
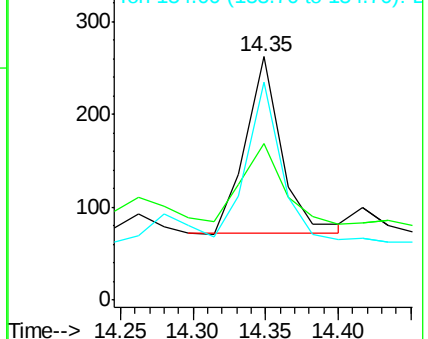
153 100

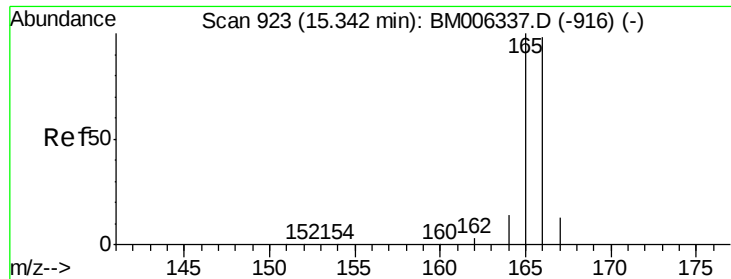
152 64.1 33.9 50.9#

154 89.7 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: 0.01 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. 0.00 min

Lab File: BM006341.D

Acq: 08 Jul 2016 04:55

Instrument :

BNA_M

ClientSampled :

A4TV3DL

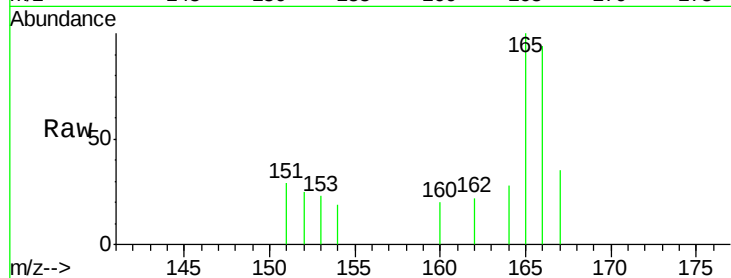
Tgt Ion:166 Resp: 499

Ion Ratio Lower Upper

166 100

165 106.3 69.6 104.4#

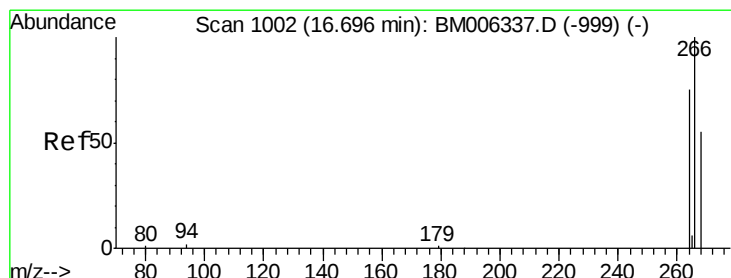
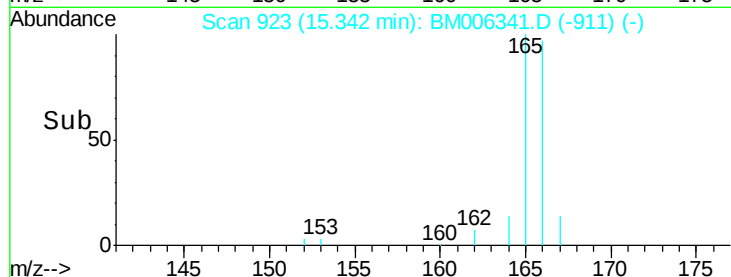
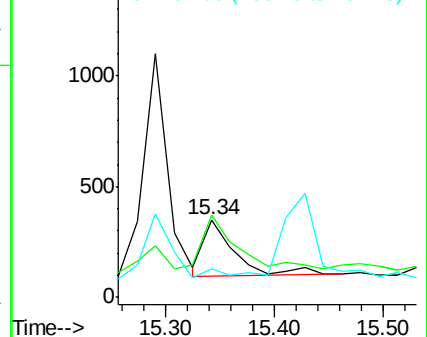
167 37.0 11.9 17.9#



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: 0.01 ng/ul

RT: 16.71 min Scan# 1003

Delta R.T. 0.02 min

Lab File: BM006341.D

Acq: 08 Jul 2016 04:55

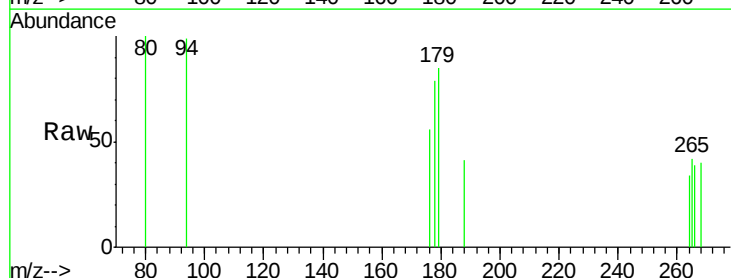
Tgt Ion:266 Resp: 33

Ion Ratio Lower Upper

266 100

264 21.2 51.8 77.8#

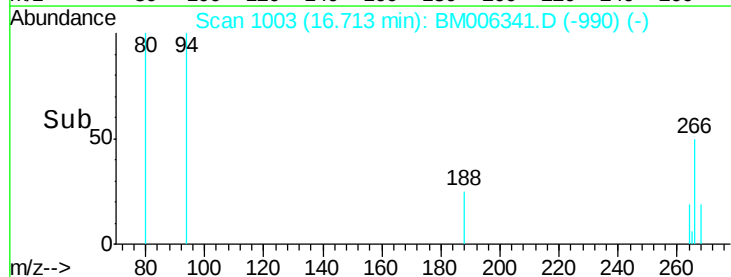
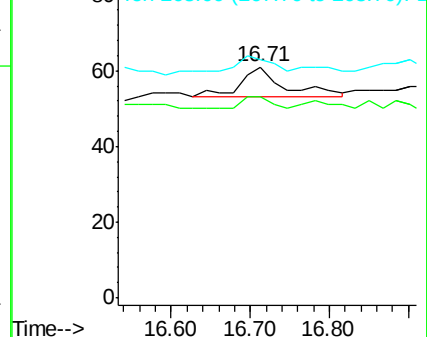
268 81.8 46.8 70.2#

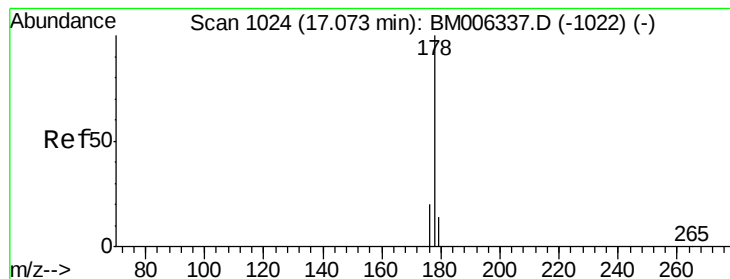


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.14 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BM006341.D

Acq: 08 Jul 2016 04:55

Instrument :

BNA_M

ClientSampleId :

A4TV3DL

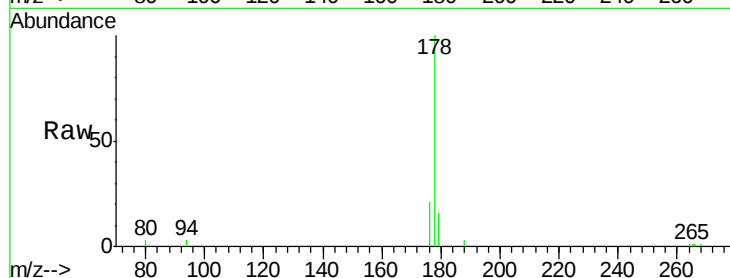
Tgt Ion:178 Resp: 9350

Ion Ratio Lower Upper

178 100

176 20.8 13.0 19.4#

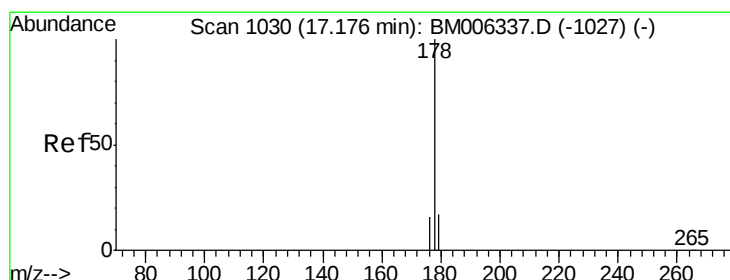
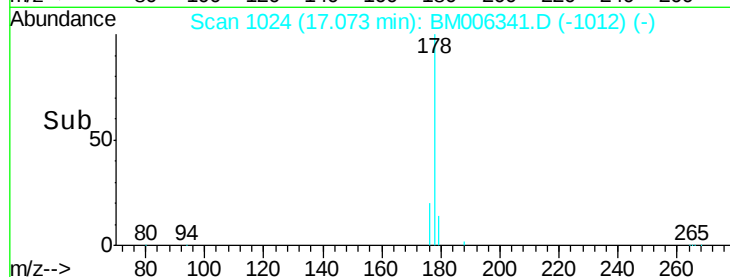
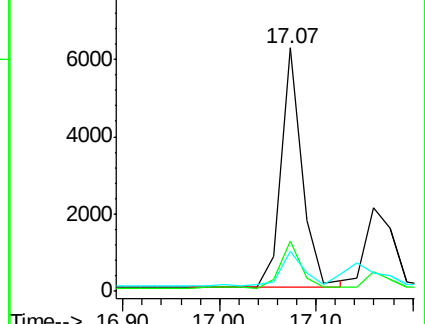
179 16.5 14.2 21.2



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: 0.15 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.10 min

Lab File: BM006341.D

Acq: 08 Jul 2016 04:55

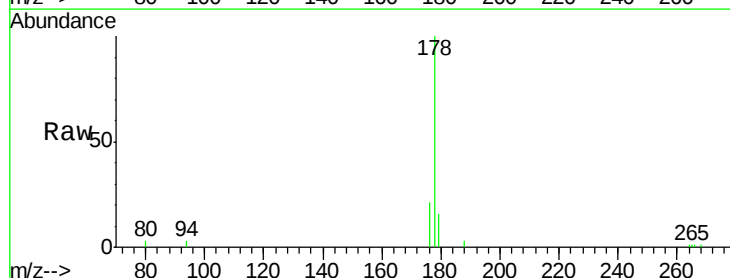
Tgt Ion:178 Resp: 9282

Ion Ratio Lower Upper

178 100

176 20.8 14.0 21.0

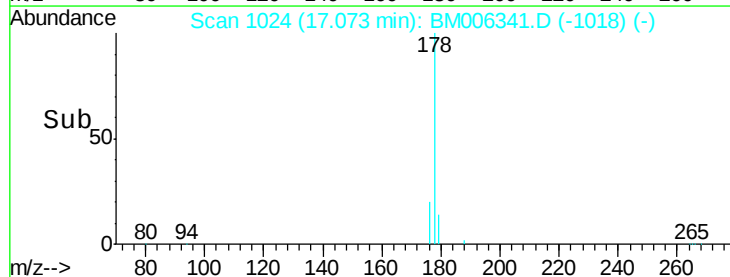
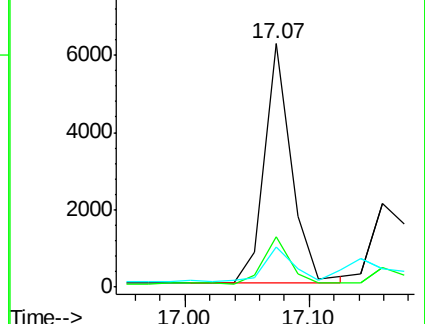
179 16.5 12.9 19.3

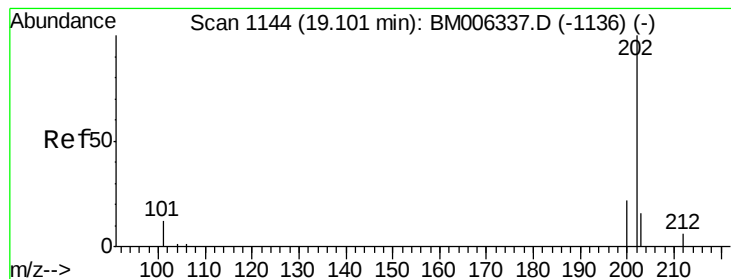


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.71 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. 0.01 min

Lab File: BM006341.D

Acq: 08 Jul 2016 04:55

Instrument :

BNA_M

ClientSampleId :

A4TV3DL

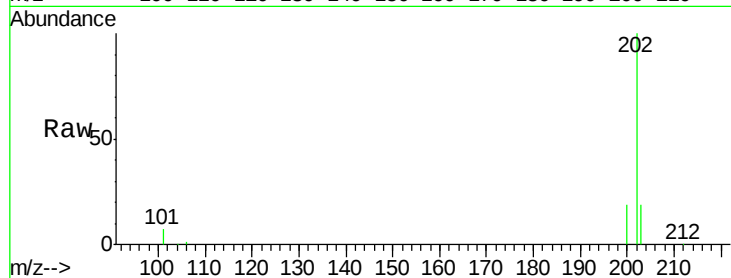
Tgt Ion:202 Resp: 51526

Ion Ratio Lower Upper

202 100

101 6.7 0.0 29.6

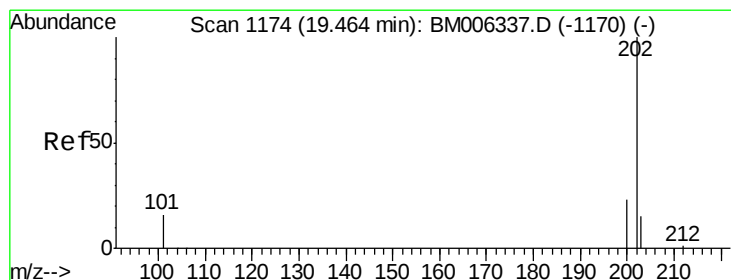
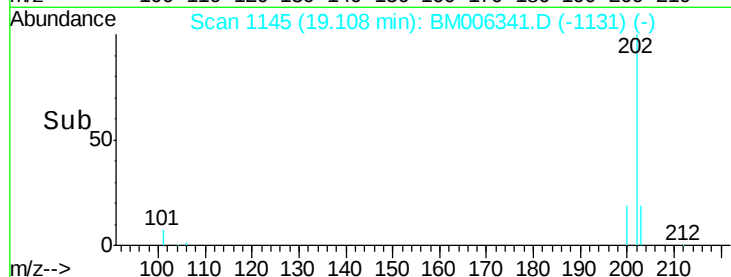
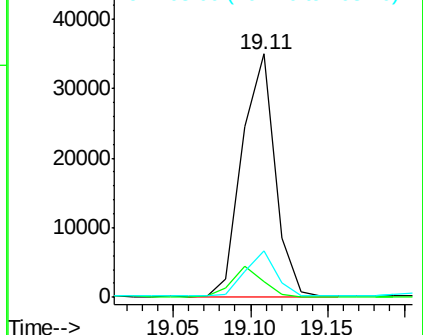
203 18.9 0.0 36.3



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: 0.79 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. 0.01 min

Lab File: BM006341.D

Acq: 08 Jul 2016 04:55

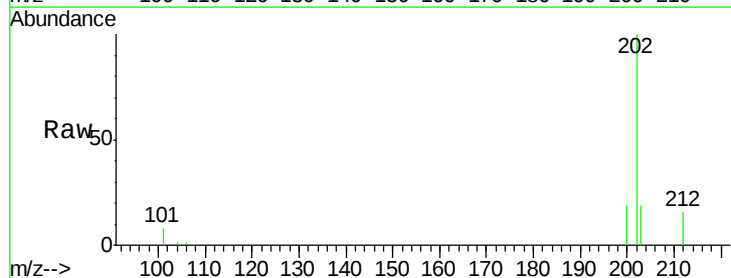
Tgt Ion:202 Resp: 55030

Ion Ratio Lower Upper

202 100

200 19.3 17.8 26.8

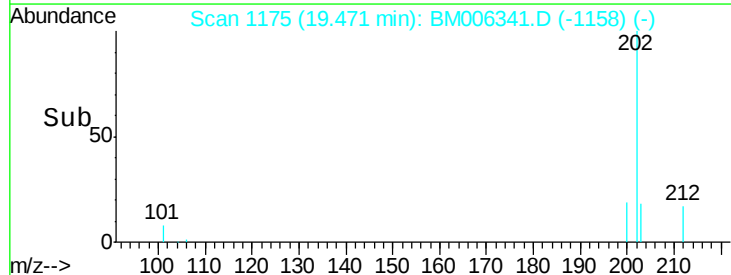
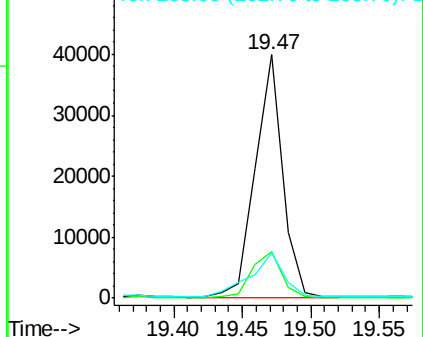
203 18.5 12.8 19.2

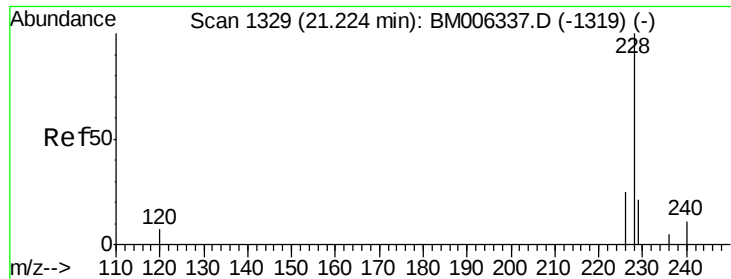


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.41 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM006341.D

Acq: 08 Jul 2016 04:55

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A4TV3DL

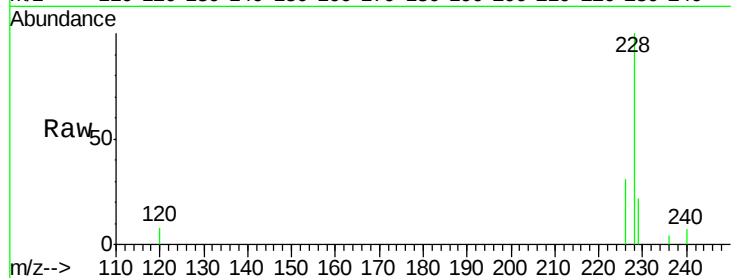
Tgt Ion:228 Resp: 21922

Ion Ratio Lower Upper

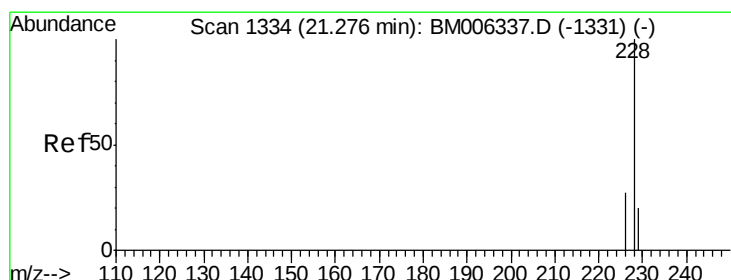
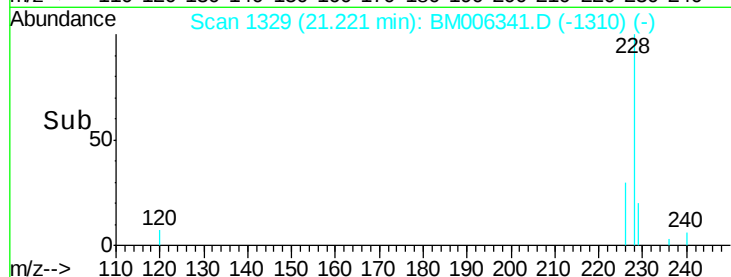
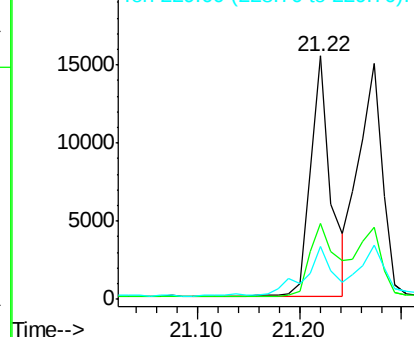
228 100

226 31.0 18.8 28.2#

229 21.9 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: 0.46 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BM006341.D

Acq: 08 Jul 2016 04:55

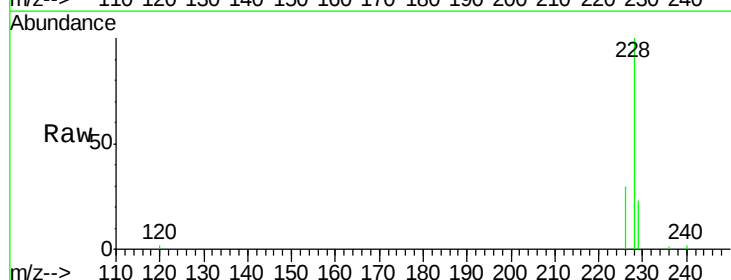
Tgt Ion:228 Resp: 24351

Ion Ratio Lower Upper

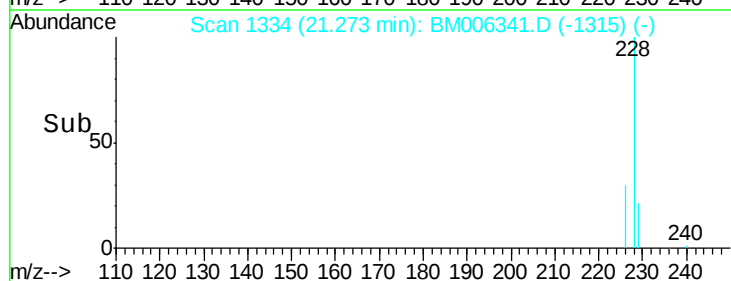
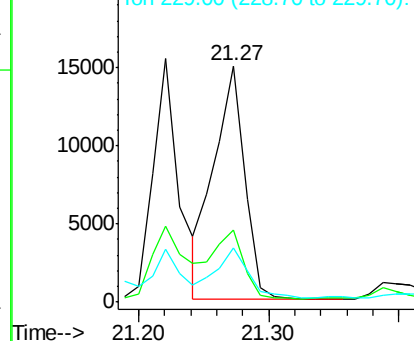
228 100

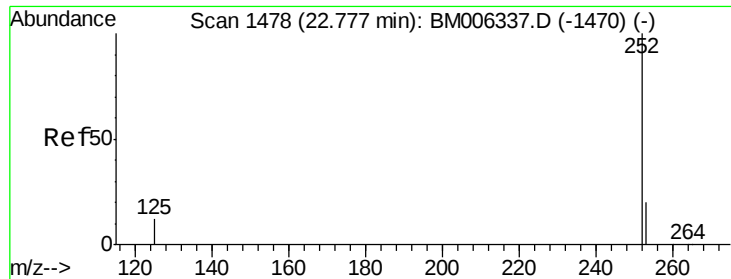
226 30.3 21.2 31.8

229 22.7 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: 0.96 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BM006341.D

Acq: 08 Jul 2016 04:55

Instrument :

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A4TV3DL

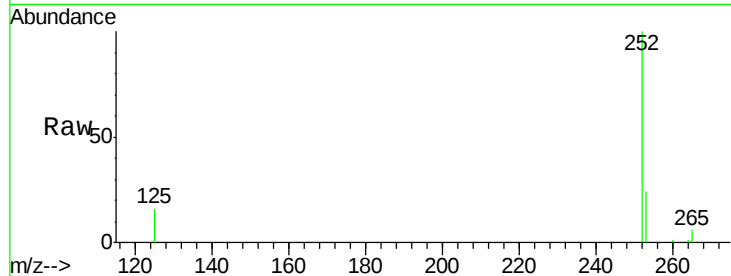
Tgt Ion:252 Resp: 49347

Ion Ratio Lower Upper

252 100

253 24.3 0.0 45.4

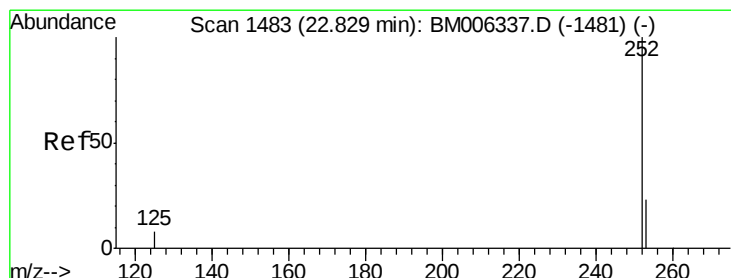
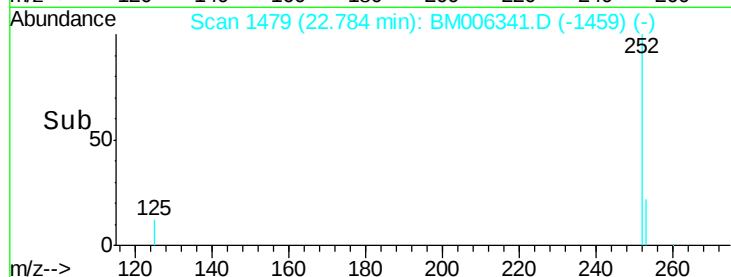
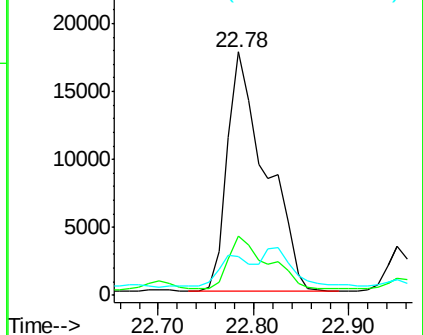
125 15.7 0.0 28.8



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



#24

Benzo(k)fluoranthene

Concen: 1.03 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. -0.05 min

Lab File: BM006341.D

Acq: 08 Jul 2016 04:55

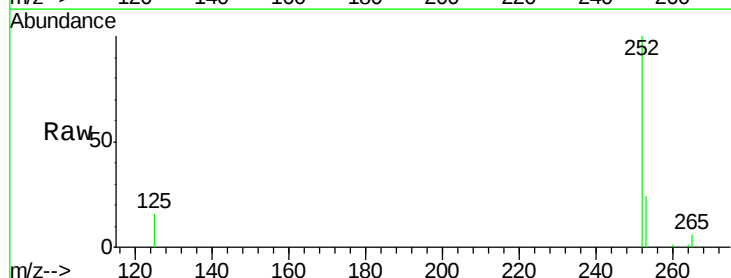
Tgt Ion:252 Resp: 49347

Ion Ratio Lower Upper

252 100

253 24.3 19.8 29.8

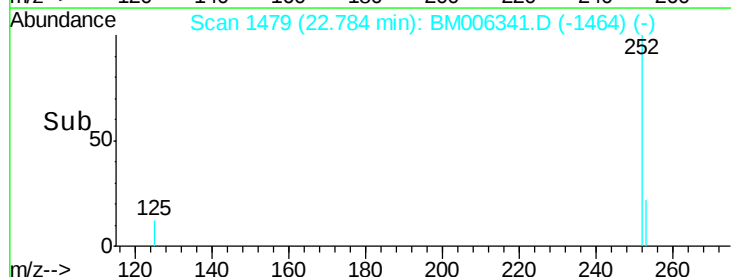
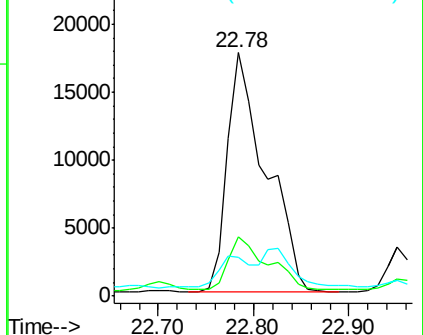
125 15.7 10.4 15.6#

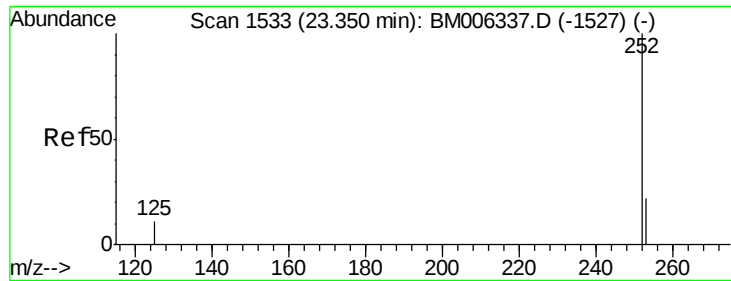


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.42 ng/ul

RT: 23.35 min Scan# 1533

Delta R.T. -0.00 min

Lab File: BM006341.D

Acq: 08 Jul 2016 04:55

Instrument :

BNA_M

ClientSampleId :

A4TV3DL

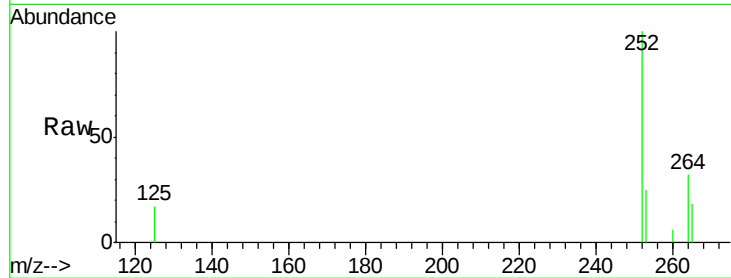
Tgt Ion:252 Resp: 20294

Ion Ratio Lower Upper

252 100

253 25.4 19.4 29.2

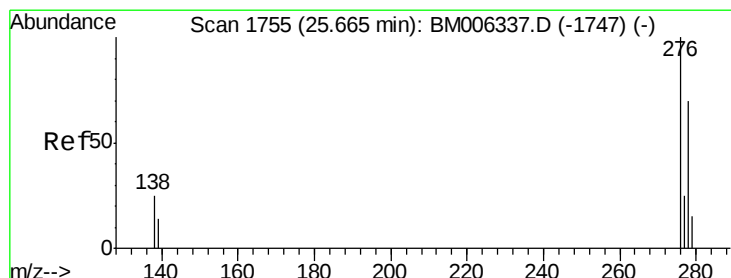
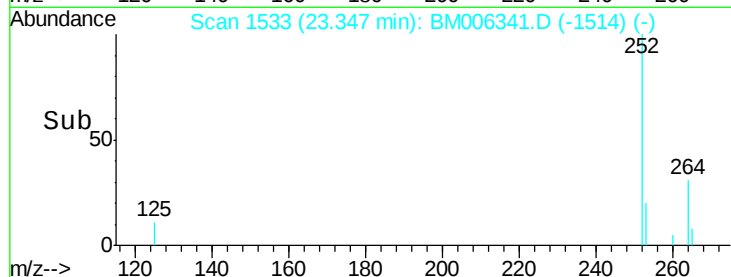
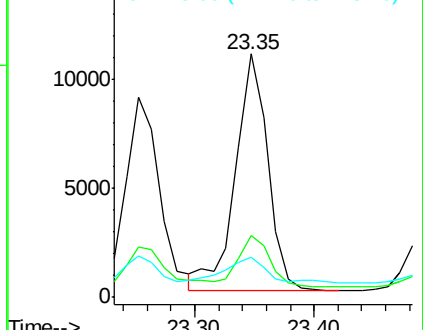
125 16.6 12.7 19.1



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: 0.29 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. -0.00 min

Lab File: BM006341.D

Acq: 08 Jul 2016 04:55

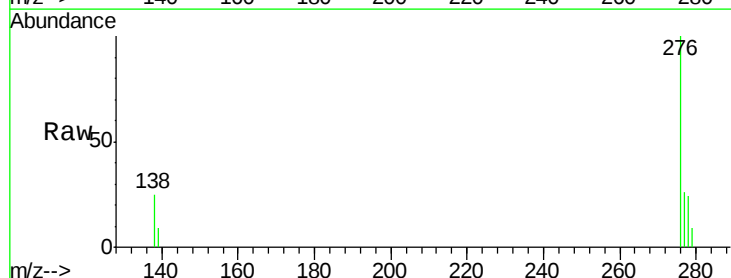
Tgt Ion:276 Resp: 15189

Ion Ratio Lower Upper

276 100

138 27.6 16.3 24.5#

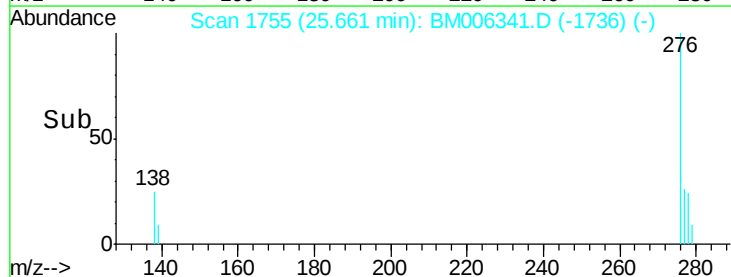
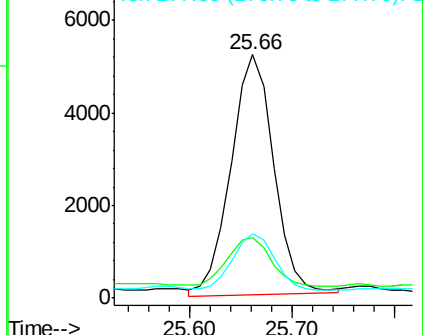
277 26.3 19.8 29.8

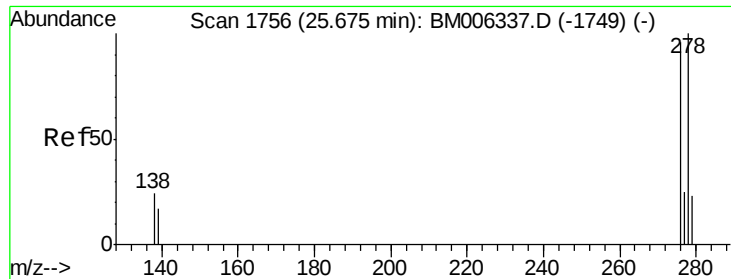


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



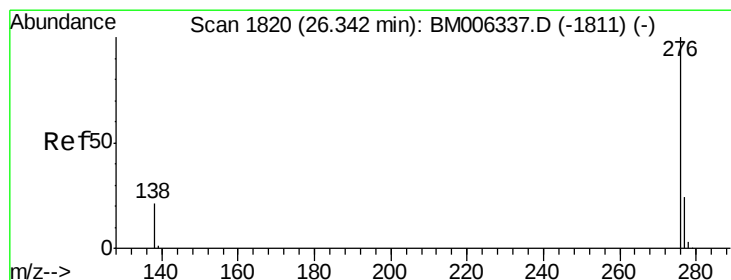
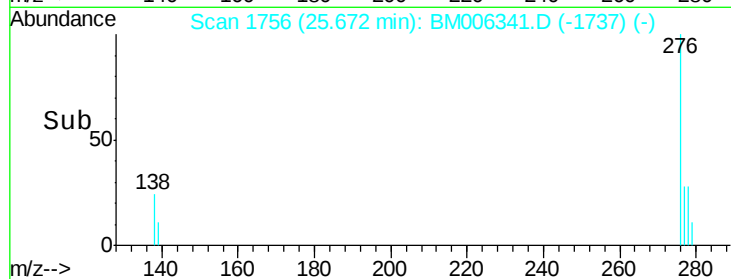
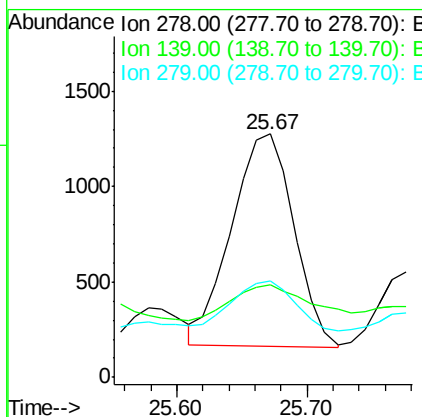
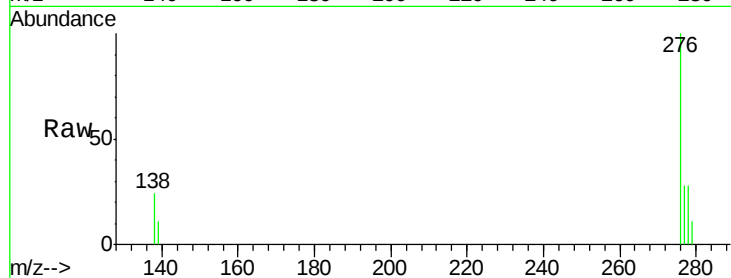


#27
Dibenzo(a,h)anthracene
Concen: 0.09 ng/ul
RT: 25.67 min Scan# 1756
Delta R.T. -0.00 min
Lab File: BM006341.D
Acq: 08 Jul 2016 04:55

Instrument :
BNA_M
ClientSampleId :
A4TV3DL

Tgt Ion: 278 Resp: 3706

Ion	Ratio	Lower	Upper
278	100		
139	38.0	16.4	24.6
279	39.7	20.2	30.2



#28
Benzo(g,h,i)perylene
Concen: 0.28 ng/ul
RT: 26.34 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BM006341.D
Acq: 08 Jul 2016 04:55

Tgt Ion: 276 Resp: 12622

Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.9	28.3
138	26.0	22.5	33.7

