

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122315\
 Data File : BM003735.D
 Acq On : 23 Dec 2015 07:31
 Operator : UM/SJ
 Sample : G4869-15
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 23 10:35:21 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM120915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 18:52:47 2015
 Response via : Initial Calibration

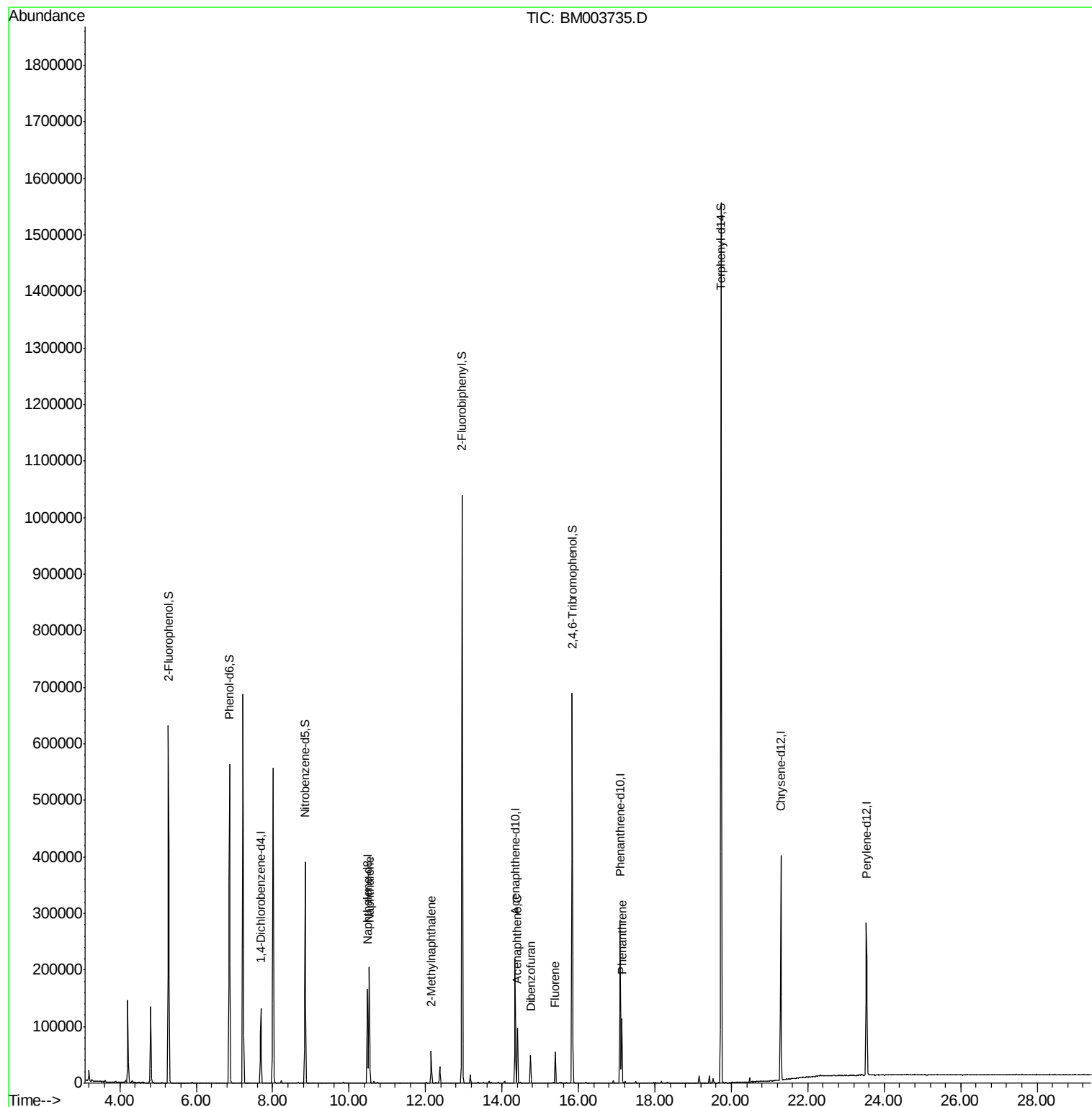
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	37344	20.00	ng	-0.03
21) Naphthalene-d8	10.48	136	145942	20.00	ng	-0.04
38) Acenaphthene-d10	14.35	164	74036	20.00	ng	-0.03
63) Phenanthrene-d10	17.09	188	160896	20.00	ng	-0.03
75) Chrysene-d12	21.29	240	179731	20.00	ng	-0.03
86) Perylene-d12	23.53	264	182509	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	290549	138.33	ng	-0.02
7) Phenol-d6	6.87	99	337314	115.65	ng	-0.02
23) Nitrobenzene-d5	8.85	82	237252	100.80	ng	-0.04
41) 2,4,6-Tribromophenol	15.84	330	112078	151.58	ng	-0.03
44) 2-Fluorobiphenyl	12.96	172	542119	99.76	ng	-0.04
78) Terphenyl-d14	19.73	244	690584	90.61	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.53	128	174106	22.80	ng	99
37) 2-Methylnaphthalene	12.15	142	30553	5.83	ng	95
51) Acenaphthene	14.41	154	36983	7.94	ng	99
54) Dibenzofuran	14.75	168	34205	5.08	ng	94
57) Fluorene	15.39	166	27361	4.90	ng	99
70) Phenanthrene	17.13	178	68337	7.57	ng	99

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

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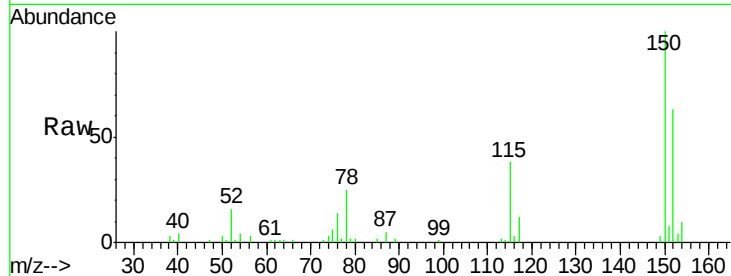


#1

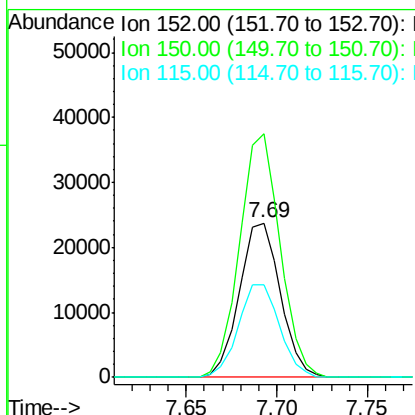
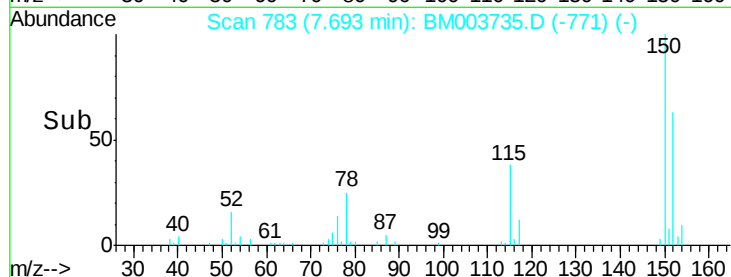
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.03 min
Lab File: BM003735.D
Acq: 23 Dec 2015 07:31

Instrument :
BNA_M
ClientSampled :

Tot Ion:152 Resp: 37344
Ion Ratio Lower Upper
152 100
150 157.5 119.5 179.3
115 59.6 43.0 64.4



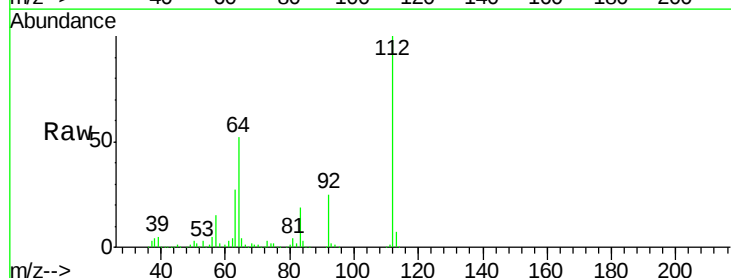
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



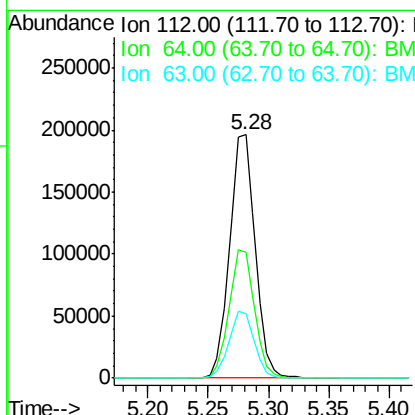
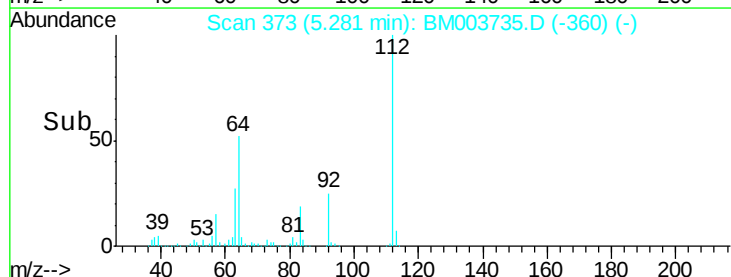
#5

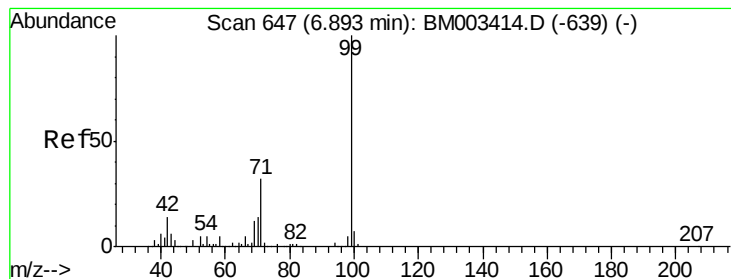
2-Fluorophenol
Concen: 138.33 ng
RT: 5.28 min Scan# 373
Delta R.T. -0.02 min
Lab File: BM003735.D
Acq: 23 Dec 2015 07:31

Tgt Ion:112 Resp: 290549
Ion Ratio Lower Upper
112 100
64 51.8 38.6 57.8
63 26.7 19.3 28.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 115.65 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM003735.D

Acq: 23 Dec 2015 07:31

Instrument :

BNA_M

ClientSampleId :

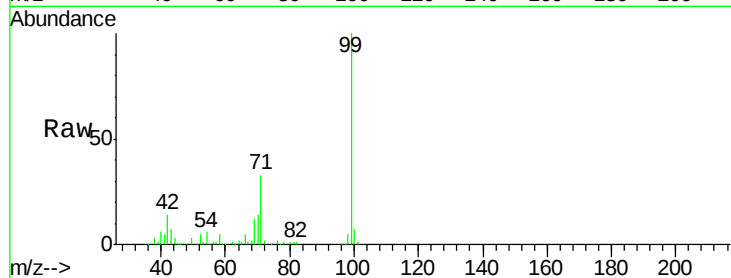
Tot Ion: 99 Resp: 337314

Ion Ratio Lower Upper

99 100

42 14.4 11.0 16.4

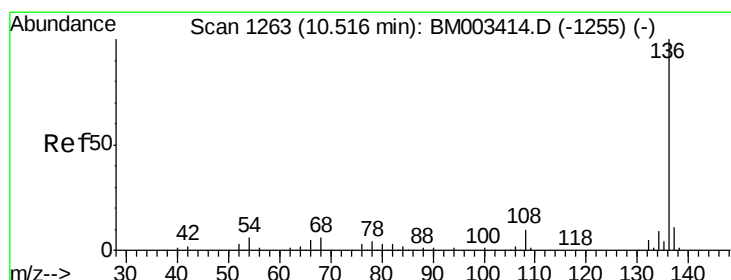
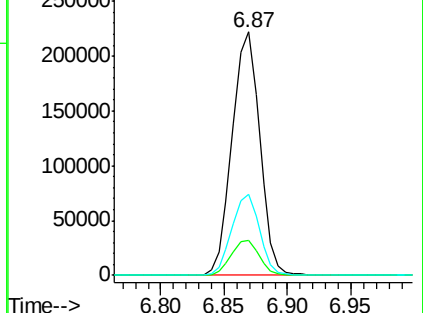
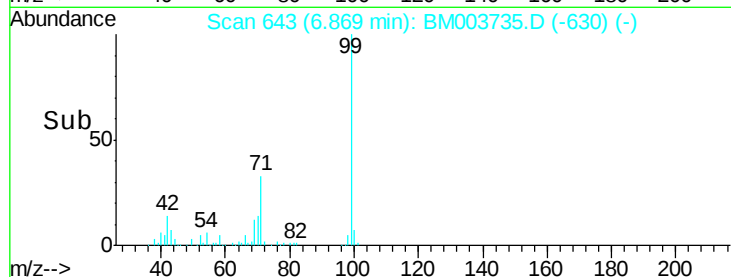
71 33.1 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BM003414.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM003414.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM003414.D (-639) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.48 min Scan# 1257

Delta R.T. -0.04 min

Lab File: BM003735.D

Acq: 23 Dec 2015 07:31

Tgt Ion: 136 Resp: 145942

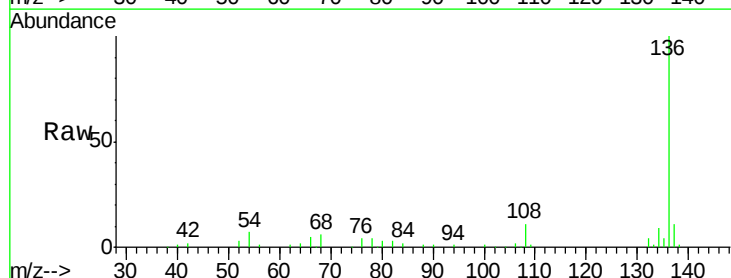
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 6.5 4.6 6.8

68 5.6 3.7 5.5#

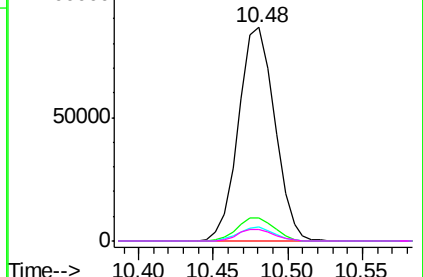
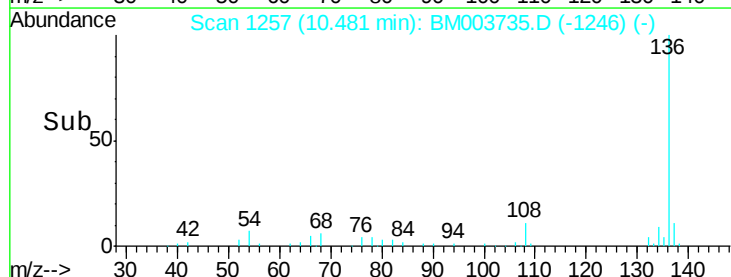


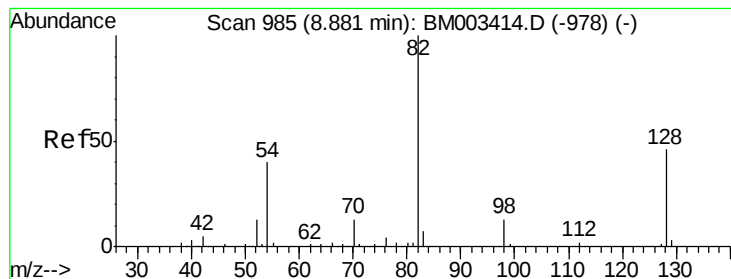
Abundance Ion 136.00 (135.70 to 136.70): BM003414.D (-1255) (-)

Ion 137.00 (136.70 to 137.70): BM003414.D (-1255) (-)

Ion 54.00 (53.70 to 54.70): BM003414.D (-1255) (-)

Ion 68.00 (67.70 to 68.70): BM003414.D (-1255) (-)





#23

Nitrobenzene-d5

Concen: 100.80 ng

RT: 8.85 min Scan# 979

Delta R.T. -0.04 min

Lab File: BM003735.D

Acq: 23 Dec 2015 07:31

Instrument :

BNA_M

ClientSampleId :

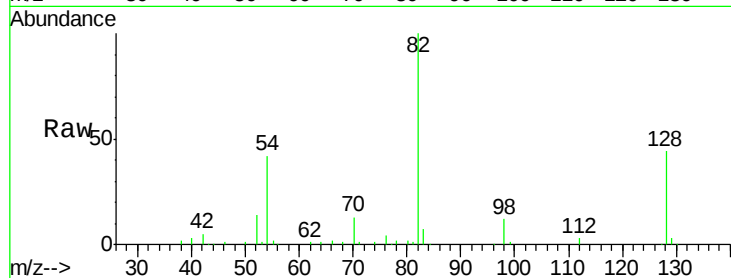
Tot Ion: 82 Resp: 237252

Ion Ratio Lower Upper

82 100

128 44.4 32.8 49.2

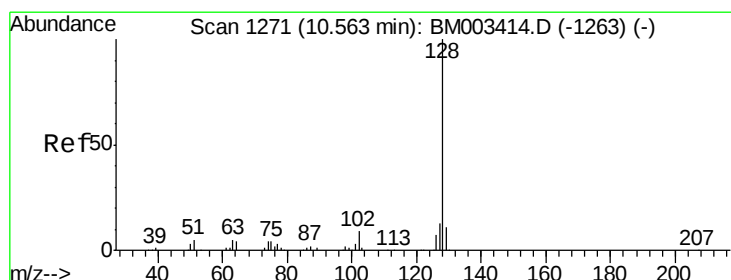
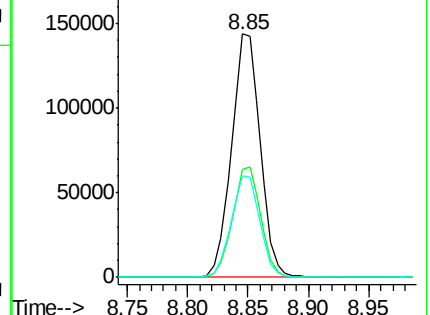
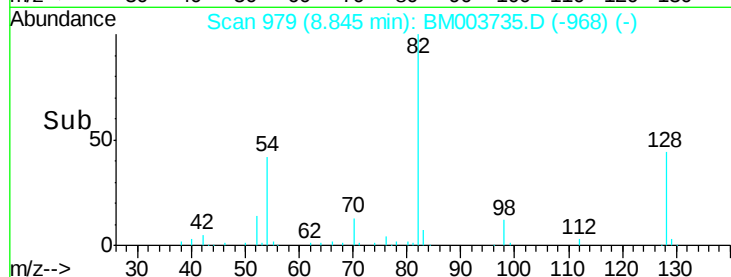
54 41.5 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BM003735.D (-968) (-)

Ion 128.00 (127.70 to 128.70): BM003735.D (-968) (-)

Ion 54.00 (53.70 to 54.70): BM003735.D (-968) (-)



#31

Naphthalene

Concen: 22.80 ng

RT: 10.53 min Scan# 1265

Delta R.T. -0.04 min

Lab File: BM003735.D

Acq: 23 Dec 2015 07:31

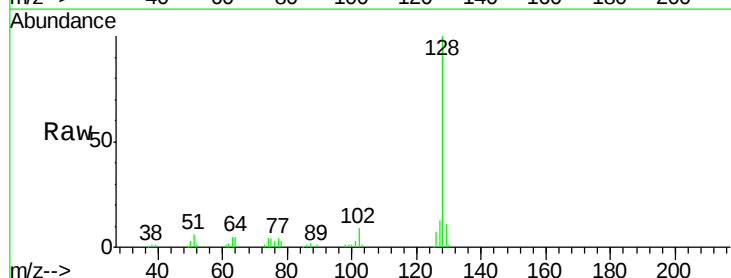
Tgt Ion:128 Resp: 174106

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

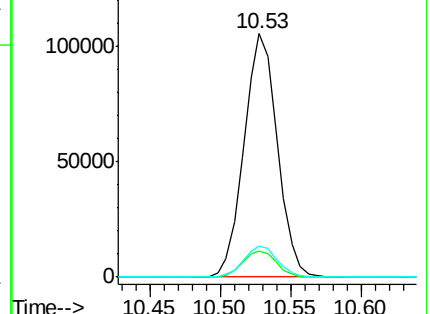
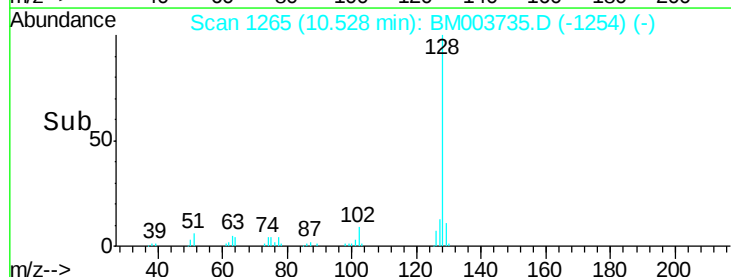
127 12.8 10.4 15.6

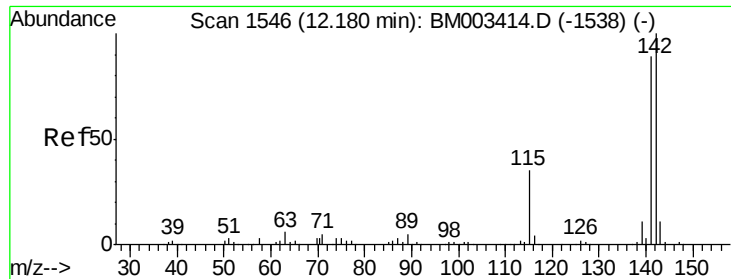


Abundance Ion 128.00 (127.70 to 128.70): BM003735.D (-1254) (-)

Ion 129.00 (128.70 to 129.70): BM003735.D (-1254) (-)

Ion 127.00 (126.70 to 127.70): BM003735.D (-1254) (-)

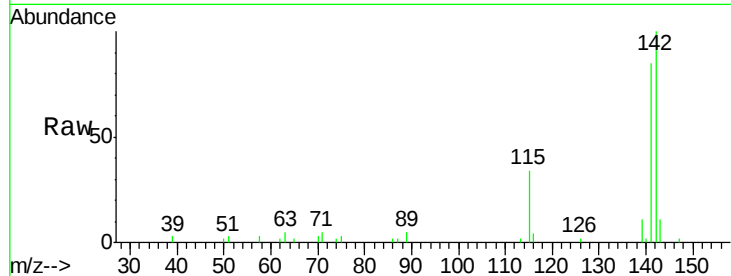




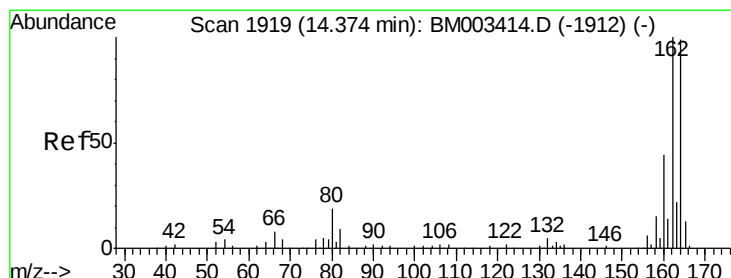
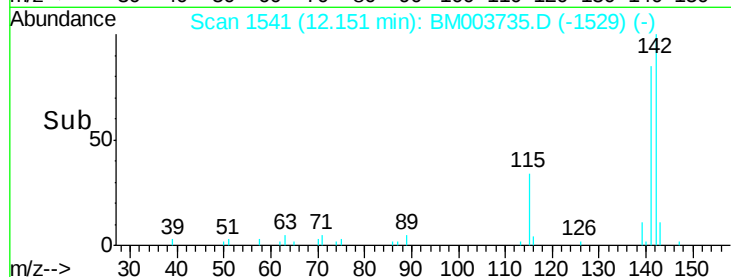
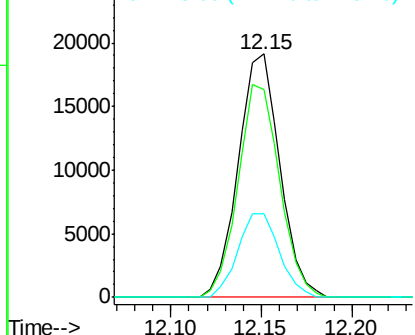
#37
2-Methylnaphthalene
Concen: 5.83 ng
RT: 12.15 min Scan# 1541
Delta R.T. -0.03 min
Lab File: BM003735.D
Acq: 23 Dec 2015 07:31

Instrument :
BNA_M
ClientSampled :

Tot Ion:142 Resp: 30553
Ion Ratio Lower Upper
142 100
141 85.2 71.9 107.9
115 34.3 25.4 38.0

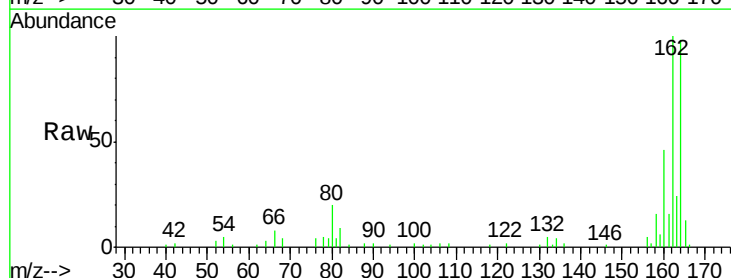


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

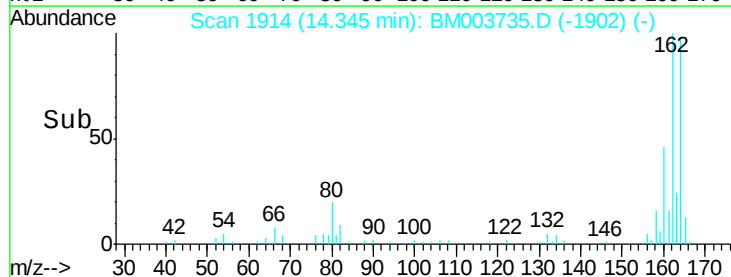
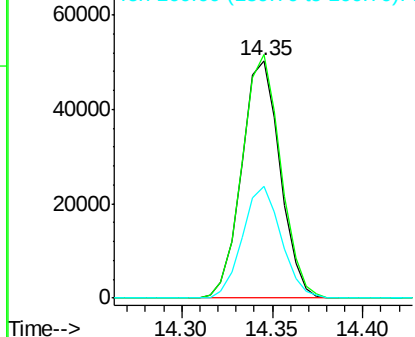


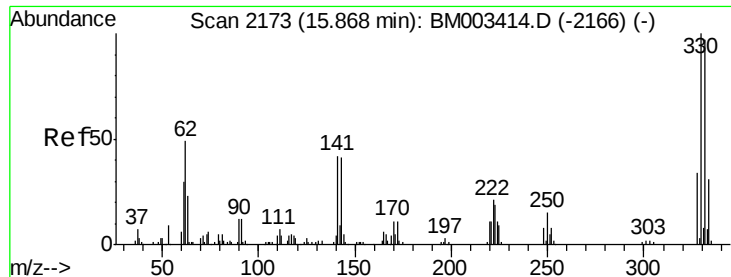
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.35 min Scan# 1914
Delta R.T. -0.03 min
Lab File: BM003735.D
Acq: 23 Dec 2015 07:31

Tgt Ion:164 Resp: 74036
Ion Ratio Lower Upper
164 100
162 102.5 82.4 123.6
160 47.0 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

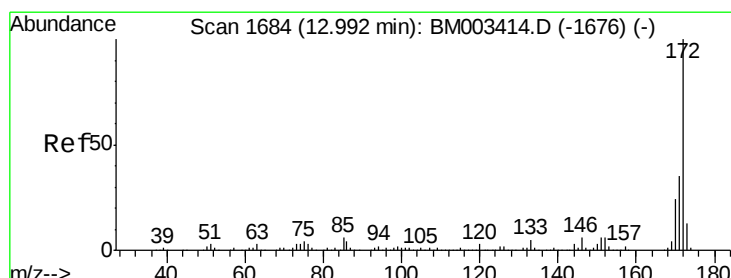
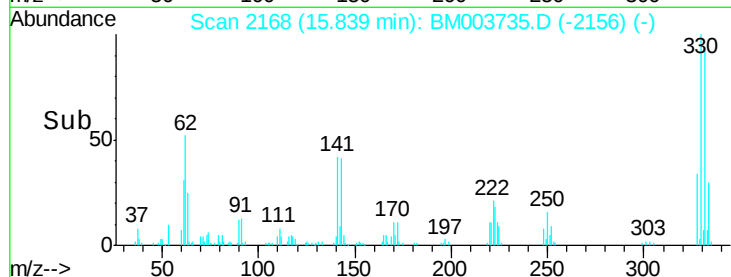
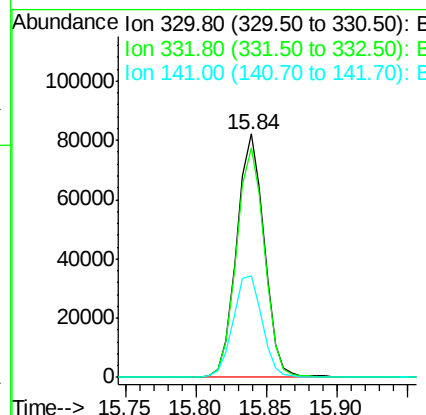
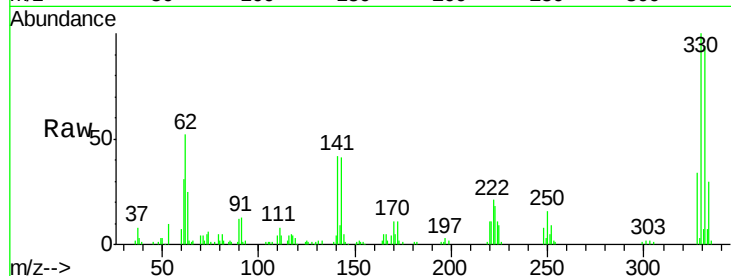




#41
 2,4,6-Tribromophenol
 Concen: 151.58 ng
 RT: 15.84 min Scan# 2168
 Delta R.T. -0.03 min
 Lab File: BM003735.D
 Acq: 23 Dec 2015 07:31

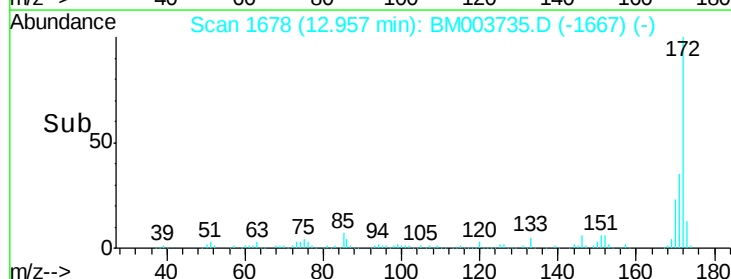
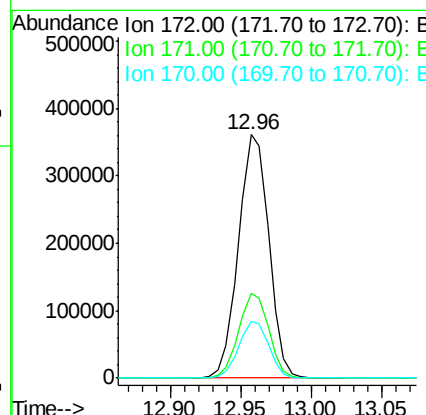
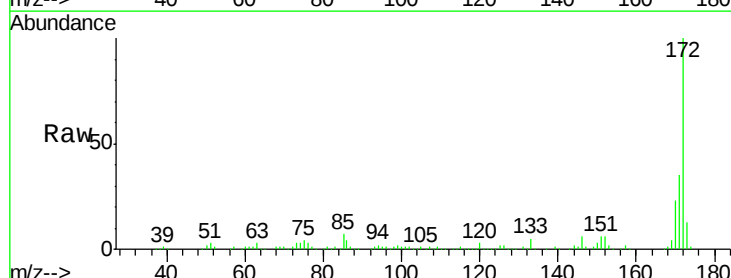
Instrument :
 BNA_M
 ClientSampleId :

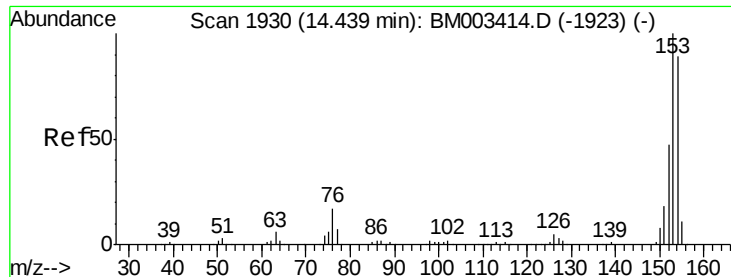
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	43.5	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 99.76 ng
 RT: 12.96 min Scan# 1678
 Delta R.T. -0.04 min
 Lab File: BM003735.D
 Acq: 23 Dec 2015 07:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.5	42.7
170	23.5	18.8	28.2





#51

Acenaphthene

Concen: 7.94 ng

RT: 14.41 min Scan# 1925

Delta R.T. -0.03 min

Lab File: BM003735.D

Acq: 23 Dec 2015 07:31

Instrument :

BNA_M

ClientSampleId :

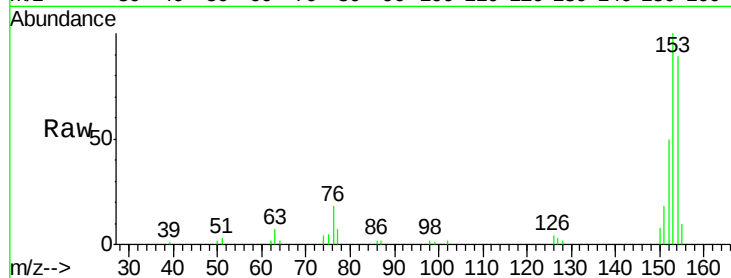
Tot Ion:154 Resp: 36983

Ion Ratio Lower Upper

154 100

153 112.2 90.0 135.0

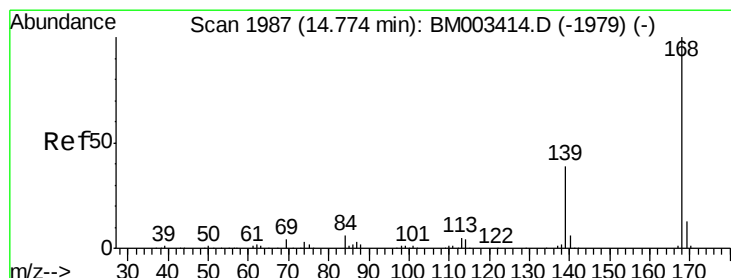
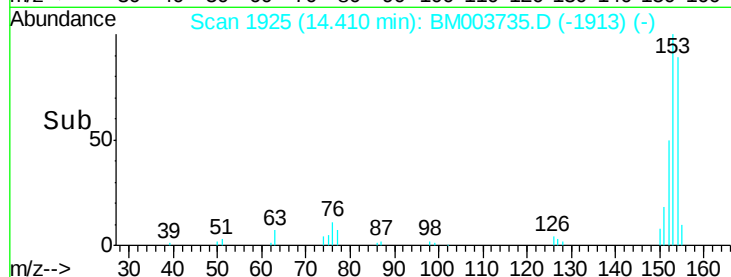
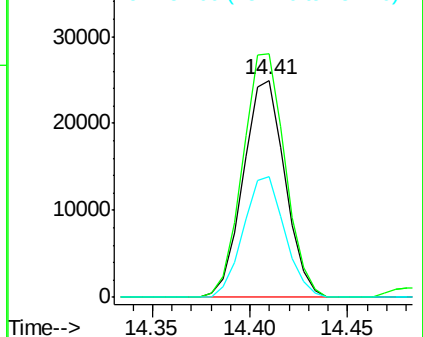
152 55.8 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 5.08 ng

RT: 14.75 min Scan# 1982

Delta R.T. -0.03 min

Lab File: BM003735.D

Acq: 23 Dec 2015 07:31

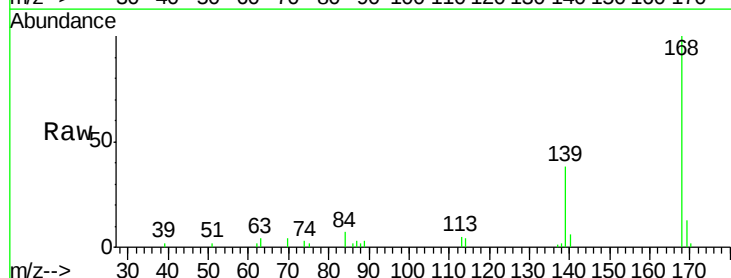
Tgt Ion:168 Resp: 34205

Ion Ratio Lower Upper

168 100

139 38.3 27.3 40.9

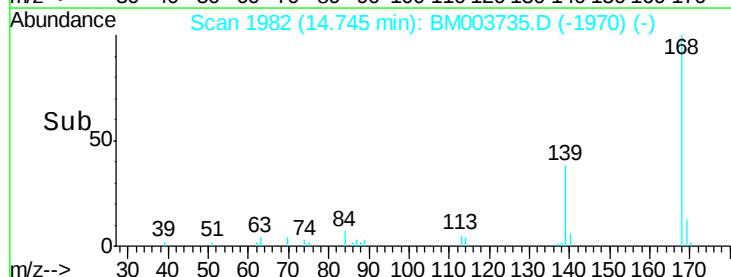
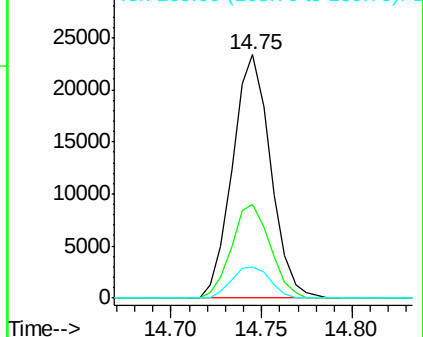
169 12.8 10.6 16.0

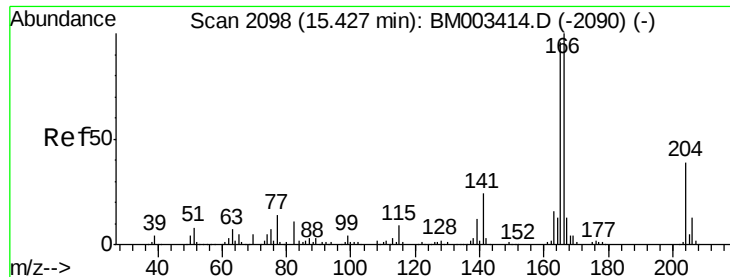


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

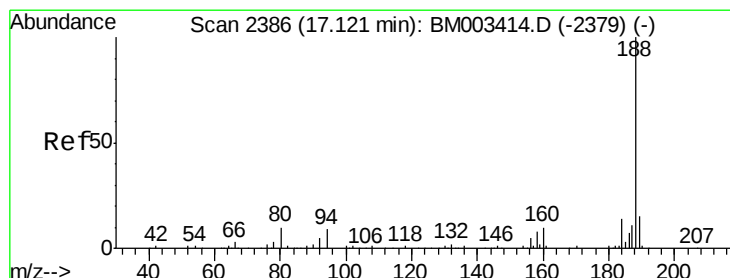
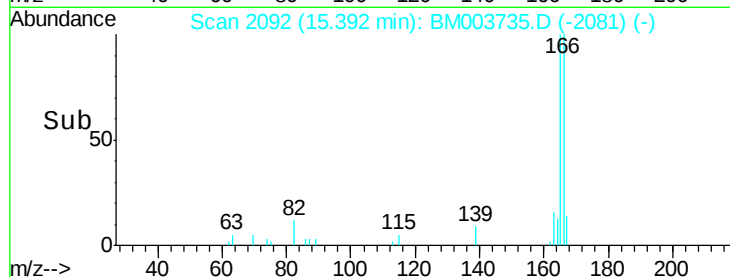
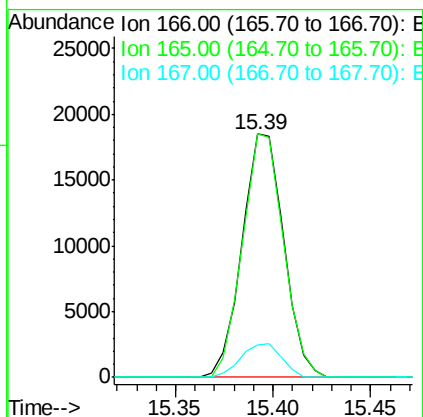
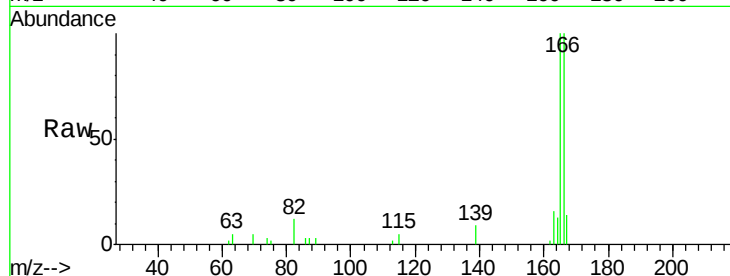




#57
Fluorene
 Concen: 4.90 ng
 RT: 15.39 min Scan# 2092
 Delta R.T. -0.04 min
 Lab File: BM003735.D
 Acq: 23 Dec 2015 07:31

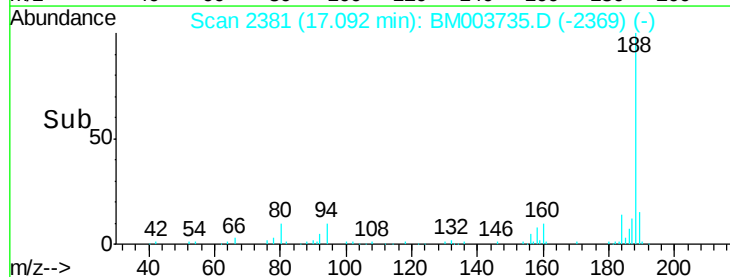
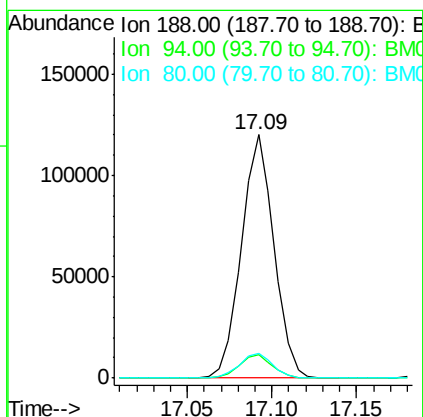
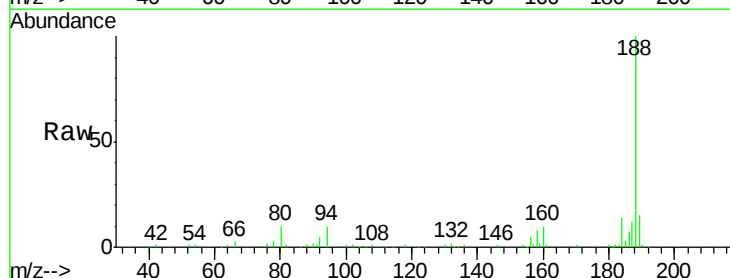
Instrument :
 BNA_M
 ClientSampled :

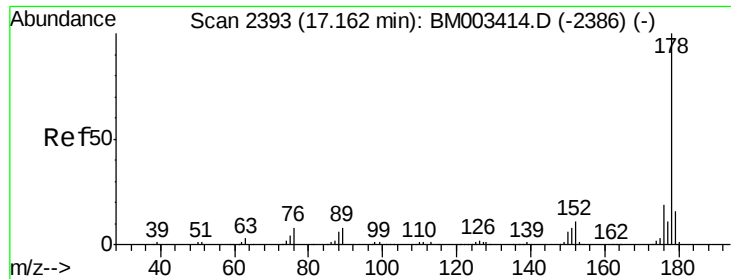
Tot Ion:166 Resp: 27361
 Ion Ratio Lower Upper
 166 100
 165 100.0 79.0 118.4
 167 13.6 10.3 15.5



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.09 min Scan# 2381
 Delta R.T. -0.03 min
 Lab File: BM003735.D
 Acq: 23 Dec 2015 07:31

Tgt Ion:188 Resp: 160896
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.7 13.1
 80 10.2 9.3 13.9





#70

Phenanthrene

Concen: 7.57 ng

RT: 17.13 min Scan# 2388

Delta R.T. -0.03 min

Lab File: BM003735.D

Acq: 23 Dec 2015 07:31

Instrument :

BNA_M

ClientSampleId :

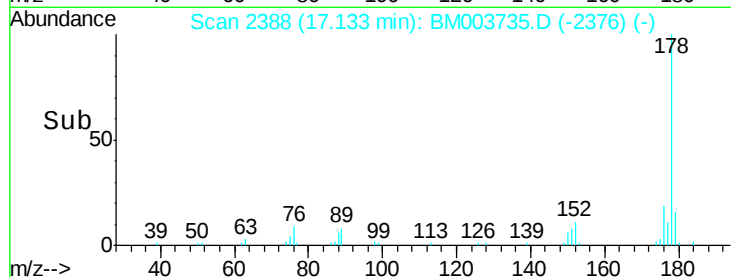
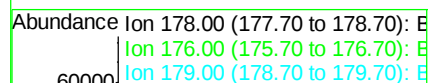
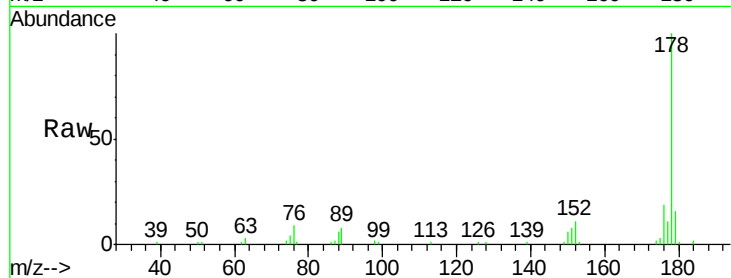
Tot Ion:178 Resp: 68337

Ion Ratio Lower Upper

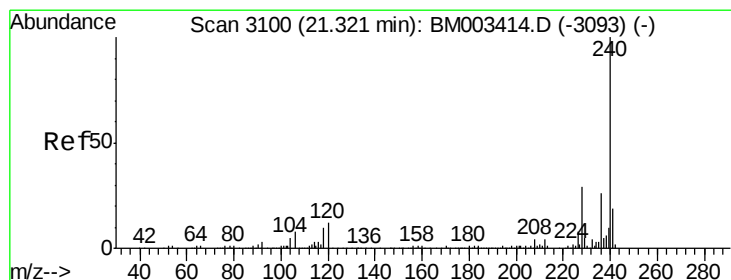
178 100

176 19.1 15.2 22.8

179 16.0 12.1 18.1



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.29 min Scan# 3095

Delta R.T. -0.03 min

Lab File: BM003735.D

Acq: 23 Dec 2015 07:31

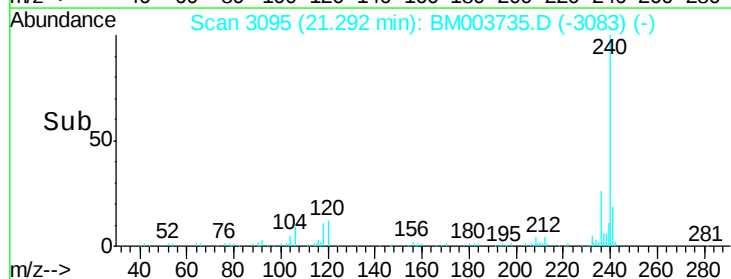
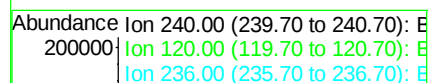
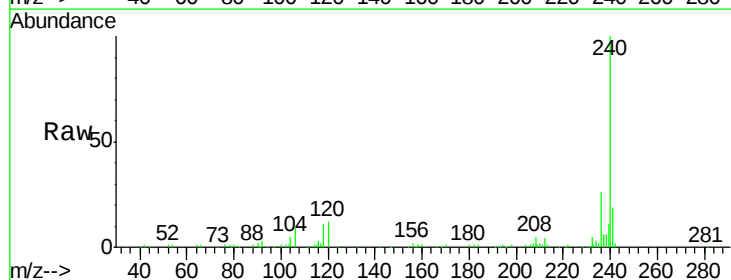
Tgt Ion:240 Resp: 179731

Ion Ratio Lower Upper

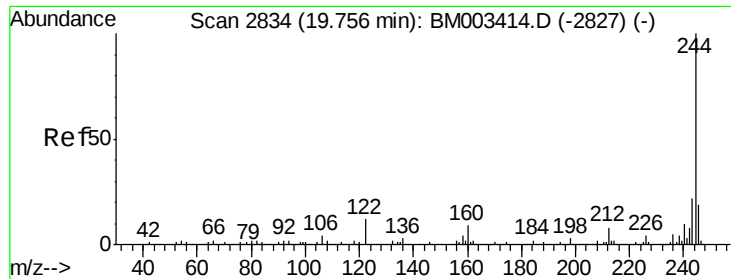
240 100

120 12.2 8.2 12.2

236 25.7 20.0 30.0



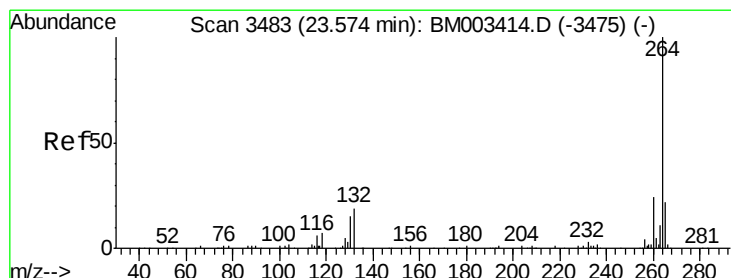
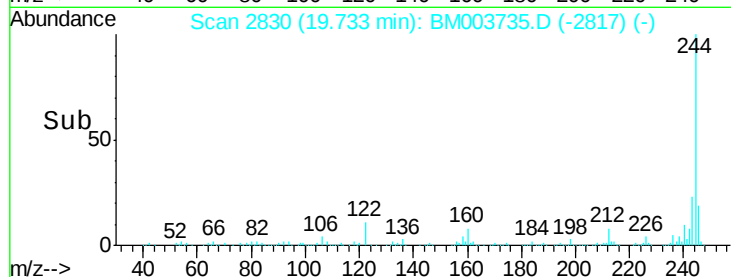
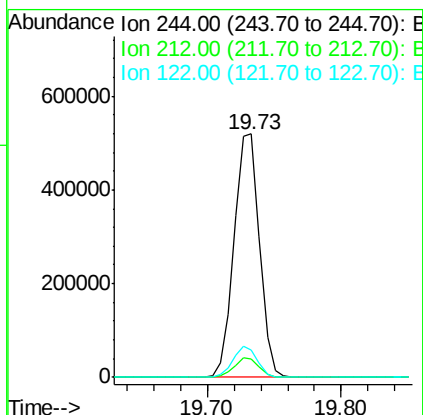
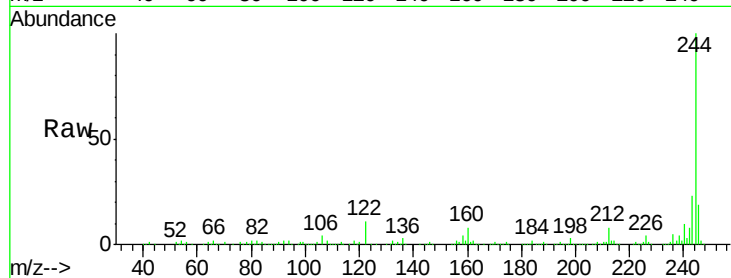
Time-->



#78
 Terphenyl-d14
 Concen: 90.61 ng
 RT: 19.73 min Scan# 2830
 Delta R.T. -0.02 min
 Lab File: BM003735.D
 Acq: 23 Dec 2015 07:31

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:244 Resp: 690584
 Ion Ratio Lower Upper
 244 100
 212 7.7 4.9 7.3#
 122 11.4 6.2 9.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.53 min Scan# 3476
 Delta R.T. -0.04 min
 Lab File: BM003735.D
 Acq: 23 Dec 2015 07:31

Tgt Ion:264 Resp: 182509
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.6 27.8
 265 21.6 17.3 25.9

