

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122315\
 Data File : BM003738.D
 Acq On : 23 Dec 2015 09:19
 Operator : UM/SJ
 Sample : G4869-18
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 23 10:35:58 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

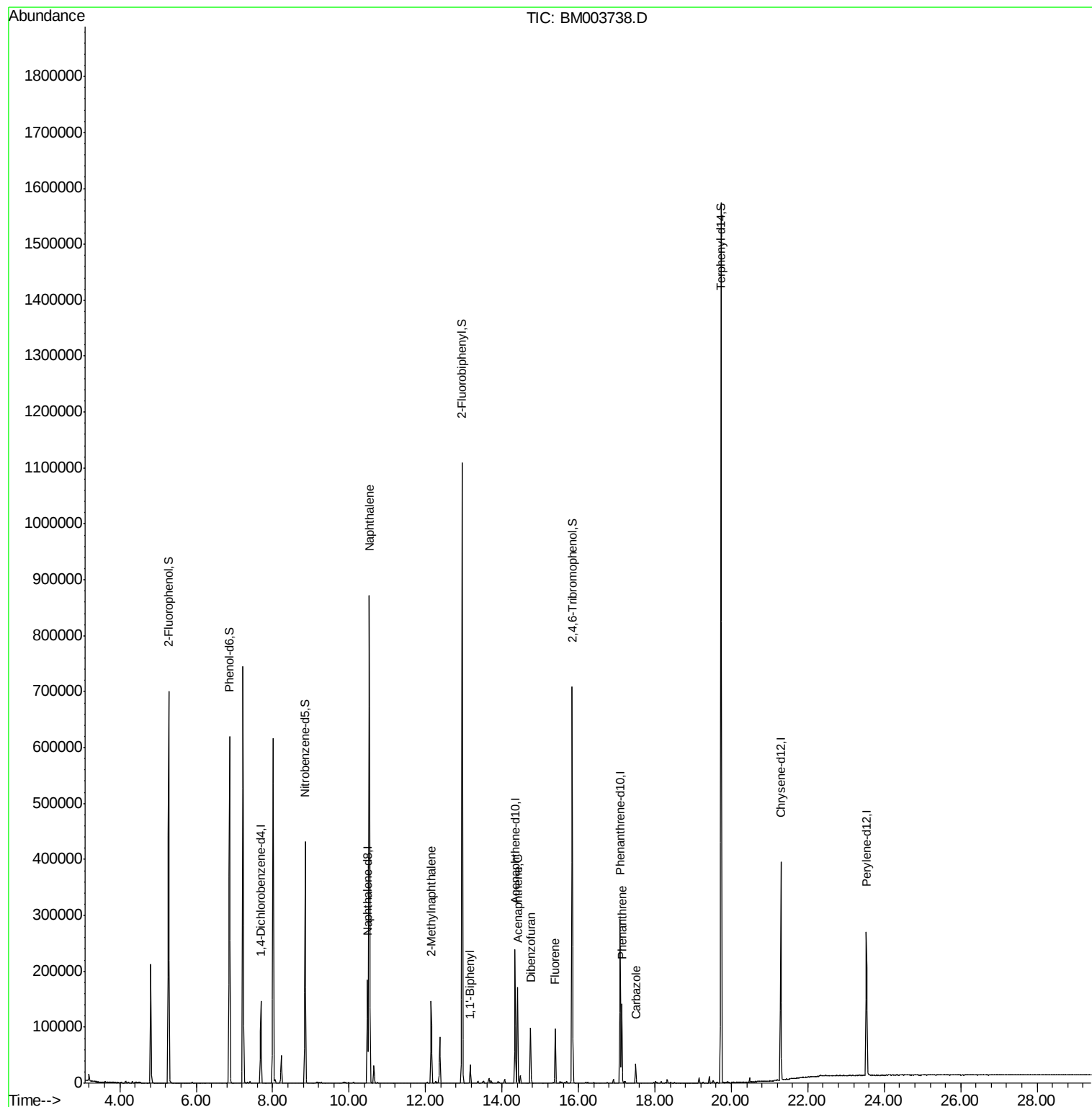
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	40090	20.00	ng	-0.03
21) Naphthalene-d8	10.48	136	157645	20.00	ng	-0.04
38) Acenaphthene-d10	14.34	164	79428	20.00	ng	-0.03
63) Phenanthrene-d10	17.09	188	166930	20.00	ng	-0.03
75) Chrysene-d12	21.29	240	177778	20.00	ng	-0.03
86) Perylene-d12	23.53	264	183550	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	316706	140.45	ng	-0.02
7) Phenol-d6	6.87	99	373799	119.38	ng	-0.02
23) Nitrobenzene-d5	8.85	82	260058	102.28	ng	-0.03
41) 2,4,6-Tribromophenol	15.84	330	113786	143.44	ng	-0.03
44) 2-Fluorobiphenyl	12.96	172	579630	99.42	ng	-0.04
78) Terphenyl-d14	19.73	244	677590	89.88	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	10.53	128	758553	91.95	ng	99
37) 2-Methylnaphthalene	12.15	142	74556	13.18	ng	97
45) 1,1'-Biphenyl	13.17	154	19877	2.82	ng	96
51) Acenaphthene	14.41	154	63620	12.73	ng	99
54) Dibenzofuran	14.74	168	67201	9.31	ng	95
57) Fluorene	15.39	166	45177	7.55	ng	99
70) Phenanthrene	17.13	178	83000	8.86	ng	100
72) Carbazole	17.50	167	24771	3.05	ng	98

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

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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



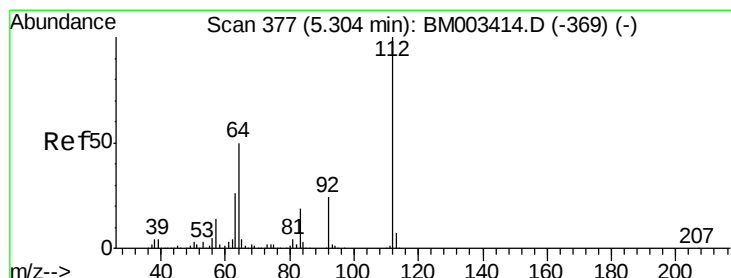
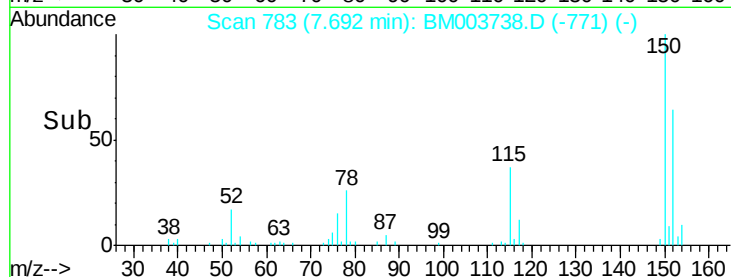
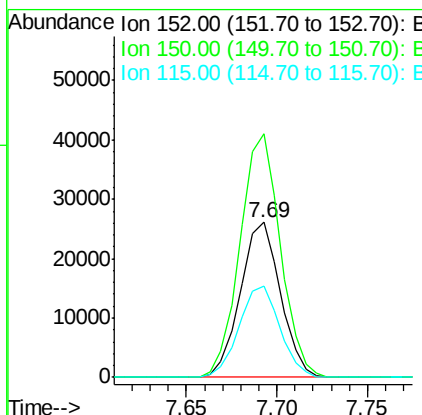
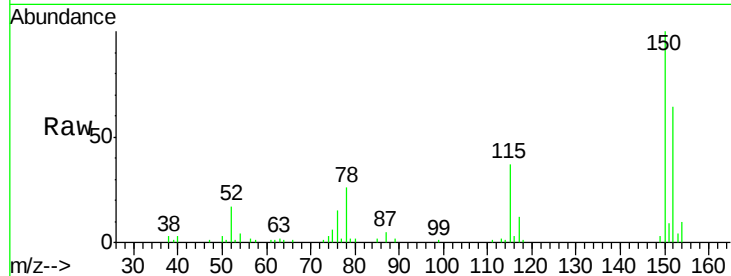


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.03 min
Lab File: BM003738.D
Acq: 23 Dec 2015 09:19

Instrument :
BNA_M
ClientSampled :

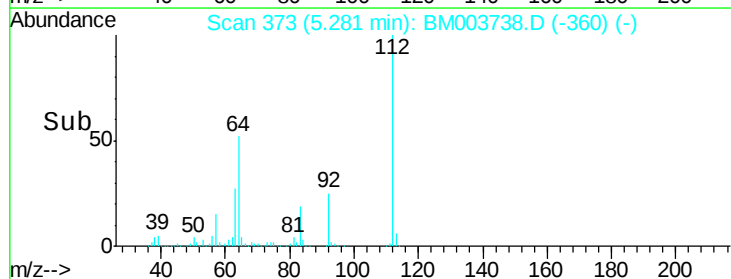
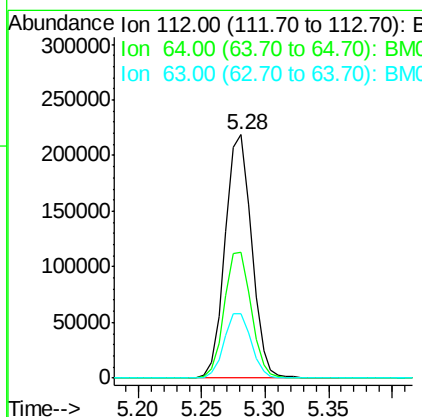
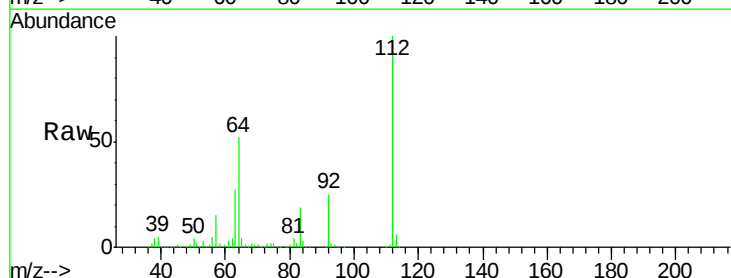
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	119.5	179.3
115	58.5	43.0	64.4



#5

2-Fluorophenol
Concen: 140.45 ng
RT: 5.28 min Scan# 373
Delta R.T. -0.02 min
Lab File: BM003738.D
Acq: 23 Dec 2015 09:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	38.6	57.8
63	26.6	19.3	28.9





#7

Phenol-d6

Concen: 119.38 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM003738.D

Acq: 23 Dec 2015 09:19

Instrument :

BNA_M

ClientSampleId :

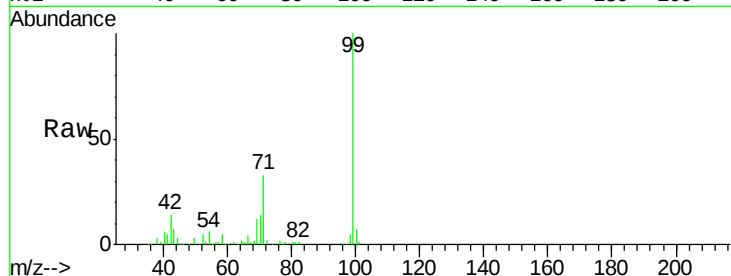
Tot Ion: 99 Resp: 373799

Ion Ratio Lower Upper

99 100

42 14.0 11.0 16.4

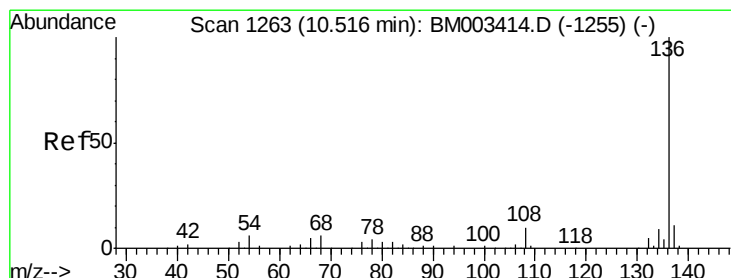
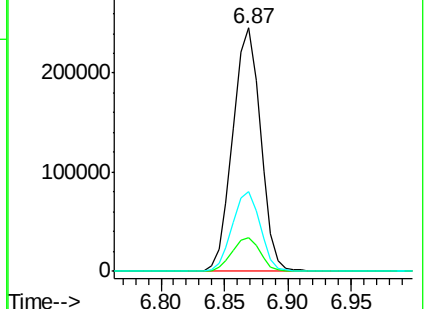
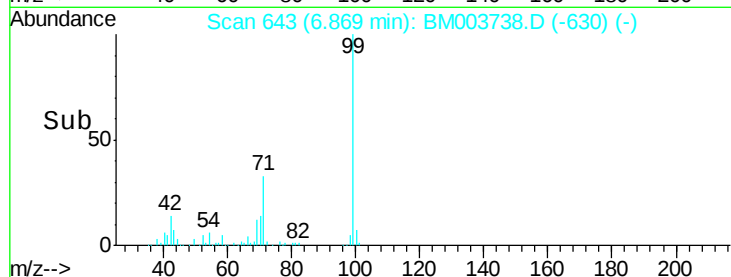
71 32.6 23.4 35.2



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: BM003738.D

Acq: 23 Dec 2015 09:19

Tgt Ion: 136 Resp: 157645

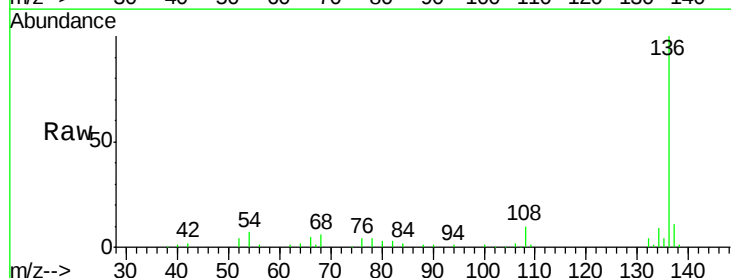
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 6.5 4.6 6.8

68 6.1 3.7 5.5#

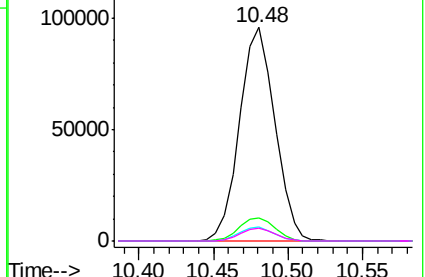
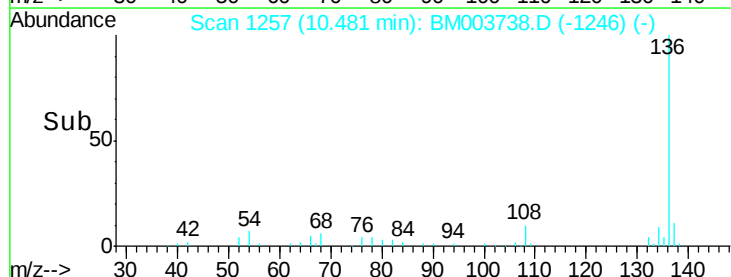


Abundance Ion 136.00 (135.70 to 136.70): BM003414.D (-1255) (-)

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) (-)

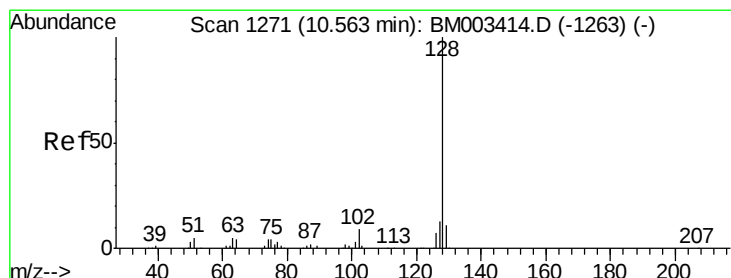
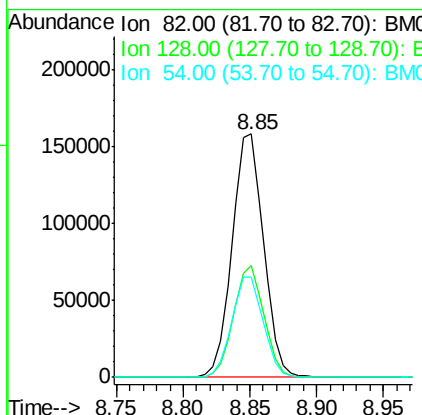
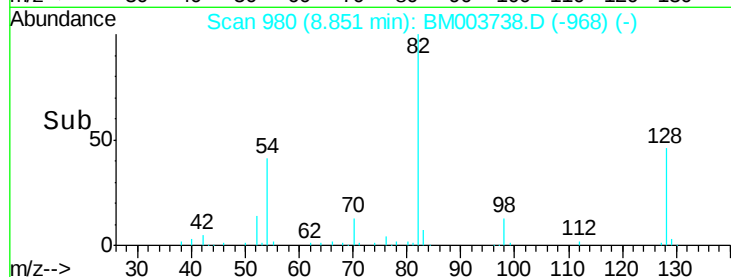
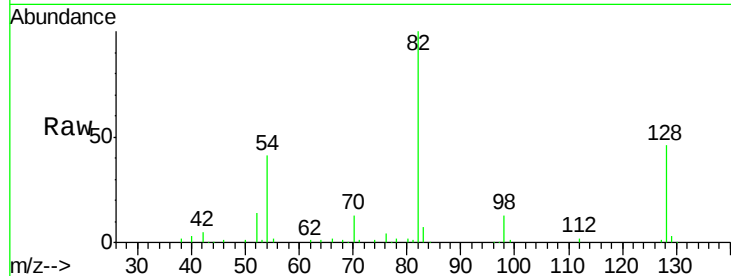




#23
Nitrobenzene-d5
Concen: 102.28 ng
RT: 8.85 min Scan# 980
Delta R.T. -0.03 min
Lab File: BM003738.D
Acq: 23 Dec 2015 09:19

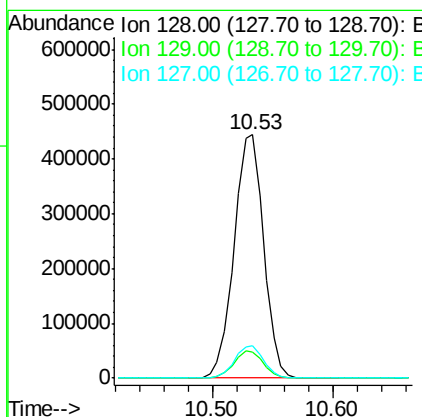
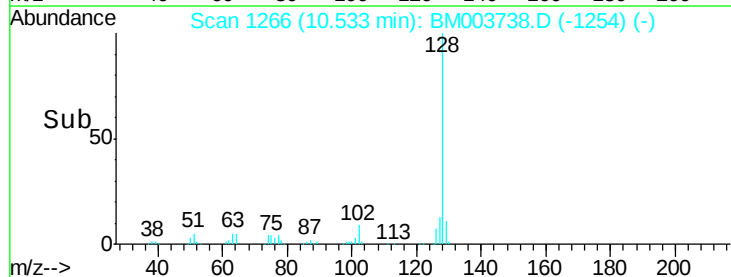
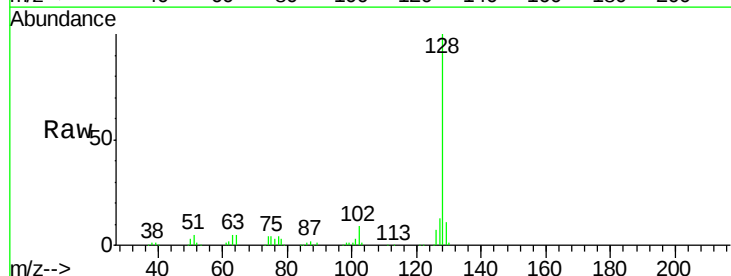
Instrument :
BNA_M
ClientSampled :

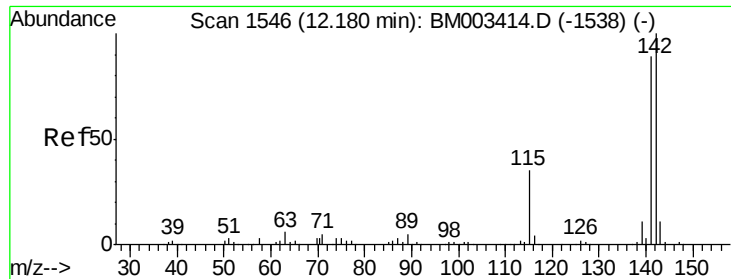
Tot Ion	82	Resp	260058
Ion Ratio	100	Lower	Upper
128	45.8	32.8	49.2
54	41.1	40.6	60.8



#31
Naphthalene
Concen: 91.95 ng
RT: 10.53 min Scan# 1266
Delta R.T. -0.03 min
Lab File: BM003738.D
Acq: 23 Dec 2015 09:19

Tgt Ion	128	Resp	758553
Ion Ratio	100	Lower	Upper
129	10.9	8.9	13.3
127	13.2	10.4	15.6

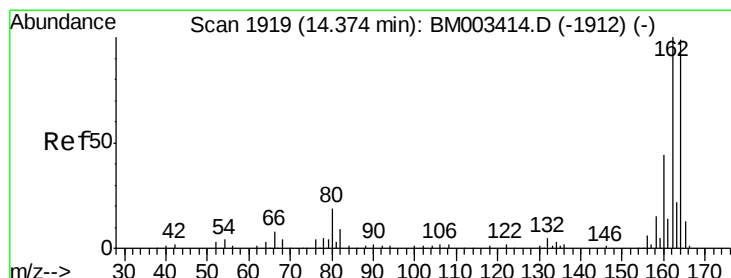
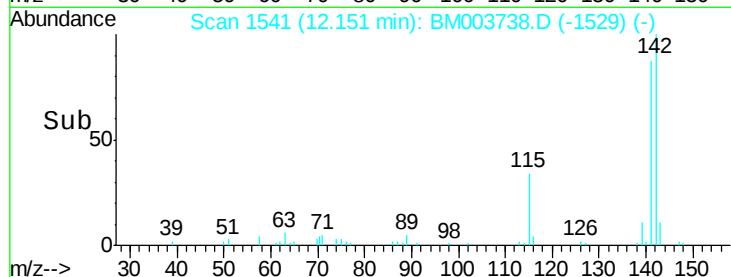
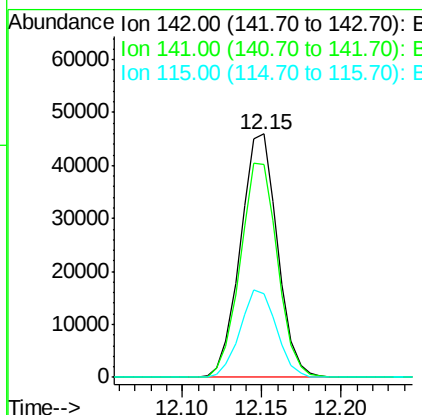
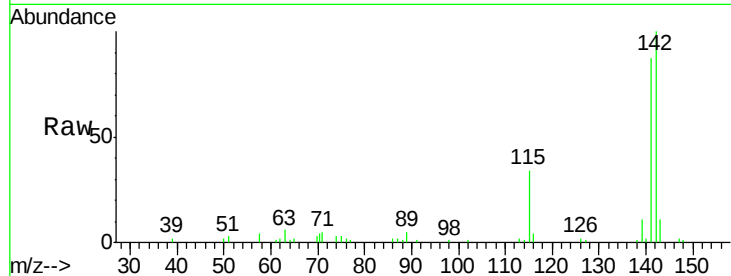




#37
 2-Methylnaphthalene
 Concen: 13.18 ng
 RT: 12.15 min Scan# 1541
 Delta R.T. -0.03 min
 Lab File: BM003738.D
 Acq: 23 Dec 2015 09:19

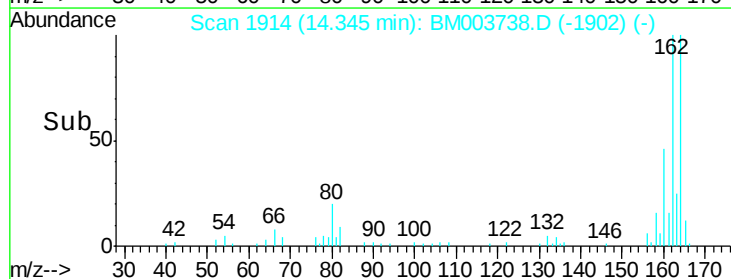
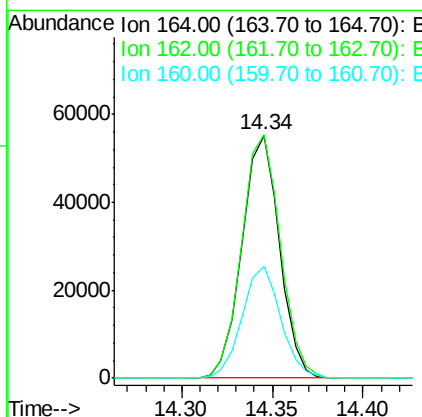
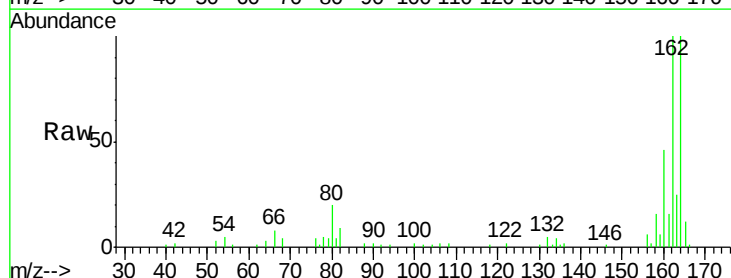
Instrument :
 BNA_M
 ClientSampleId :

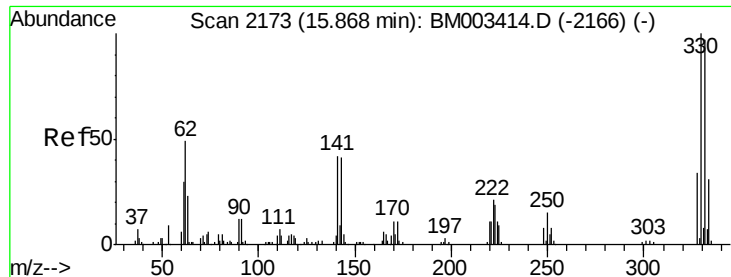
Tot Ion:142 Resp: 74556
 Ion Ratio Lower Upper
 142 100
 141 87.4 71.9 107.9
 115 34.5 25.4 38.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.34 min Scan# 1914
 Delta R.T. -0.03 min
 Lab File: BM003738.D
 Acq: 23 Dec 2015 09:19

Tgt Ion:164 Resp: 79428
 Ion Ratio Lower Upper
 164 100
 162 100.2 82.4 123.6
 160 45.8 35.8 53.6

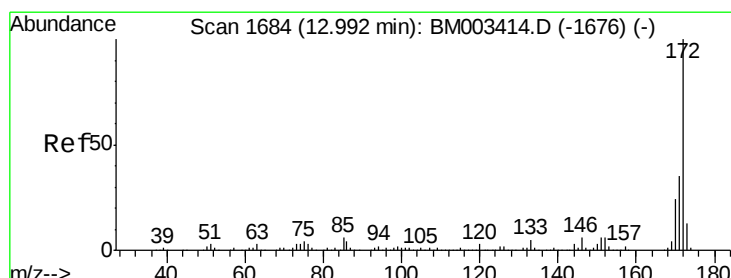
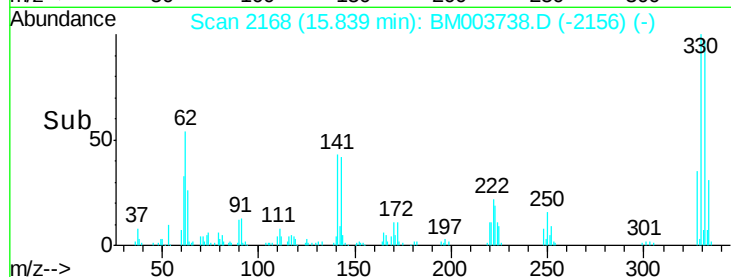
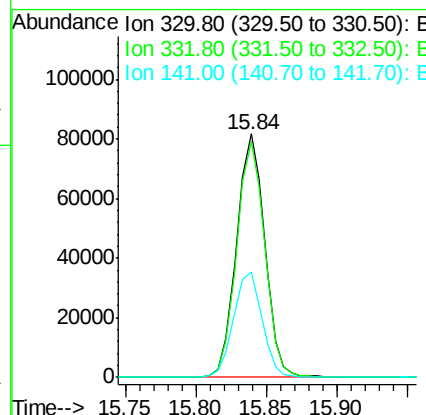
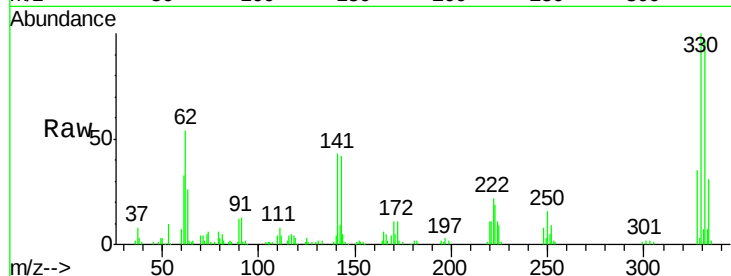




#41
 2,4,6-Tribromophenol
 Concen: 143.44 ng
 RT: 15.84 min Scan# 2168
 Delta R.T. -0.03 min
 Lab File: BM003738.D
 Acq: 23 Dec 2015 09:19

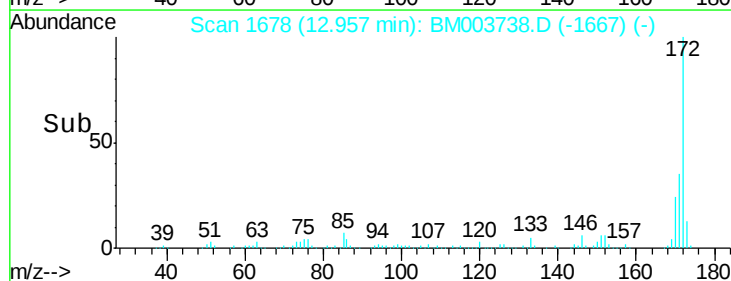
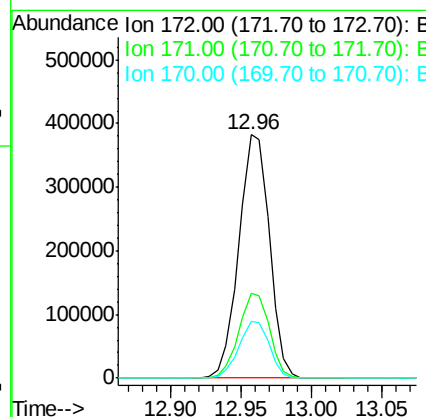
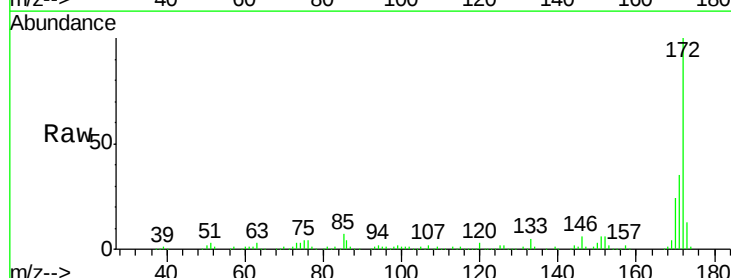
Instrument :
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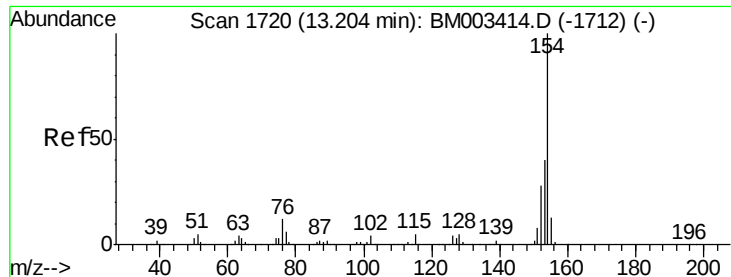
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	43.9	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 99.42 ng
 RT: 12.96 min Scan# 1678
 Delta R.T. -0.04 min
 Lab File: BM003738.D
 Acq: 23 Dec 2015 09:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.5	42.7
170	23.6	18.8	28.2

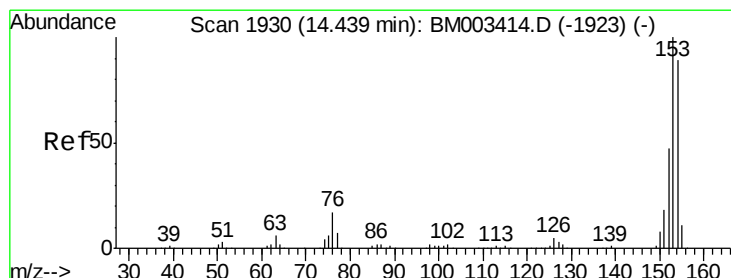
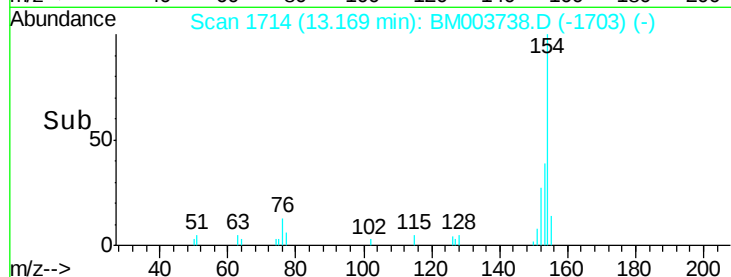
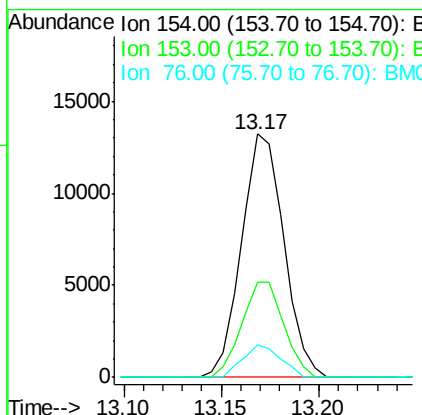
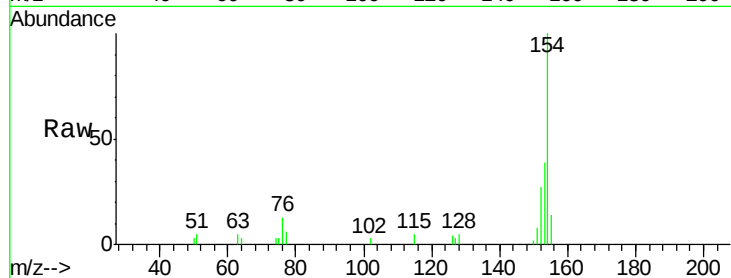




#45
 1,1'-Biphenyl
 Concen: 2.82 ng
 RT: 13.17 min Scan# 1714
 Delta R.T. -0.04 min
 Lab File: BM003738.D
 Acq: 23 Dec 2015 09:19

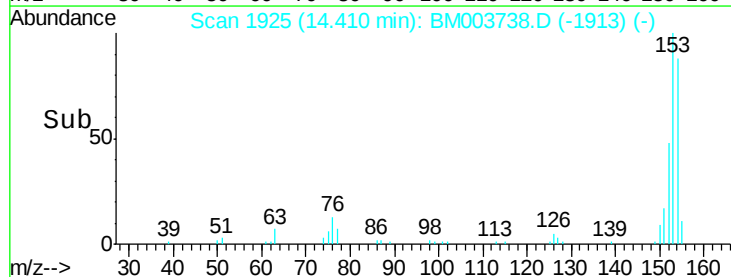
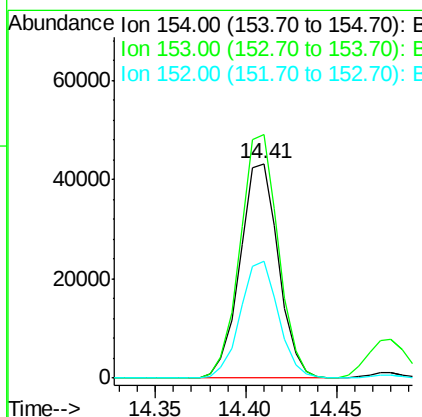
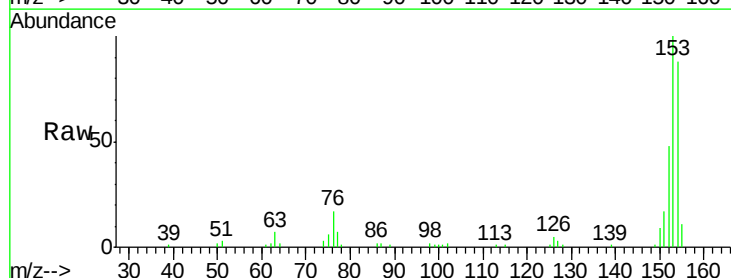
Instrument :
 BNA_M
 ClientSampleId :

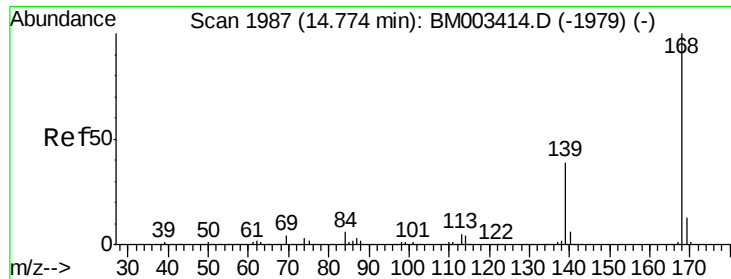
Tot Ion:154 Resp: 19877
 Ion Ratio Lower Upper
 154 100
 153 38.9 20.7 60.7
 76 13.3 0.0 30.9



#51
 Acenaphthene
 Concen: 12.73 ng
 RT: 14.41 min Scan# 1925
 Delta R.T. -0.03 min
 Lab File: BM003738.D
 Acq: 23 Dec 2015 09:19

Tgt Ion:154 Resp: 63620
 Ion Ratio Lower Upper
 154 100
 153 113.5 90.0 135.0
 152 54.3 42.6 63.8





#54

Dibenzofuran

Concen: 9.31 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.03 min

Lab File: BM003738.D

Acq: 23 Dec 2015 09:19

Instrument :

BNA_M

ClientSampleId :

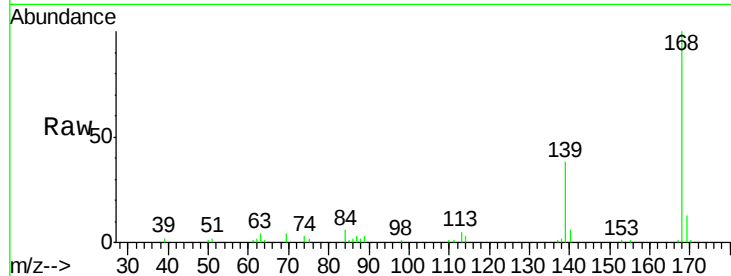
Tot Ion:168 Resp: 67201

Ion Ratio Lower Upper

168 100

139 38.3 27.3 40.9

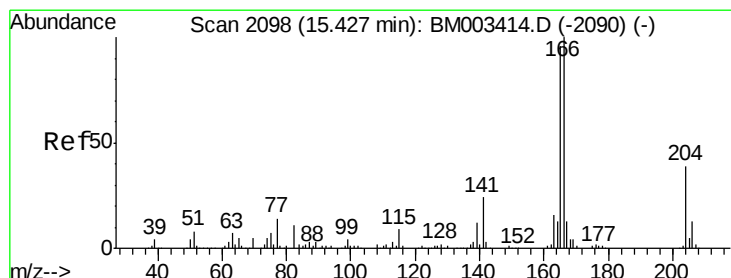
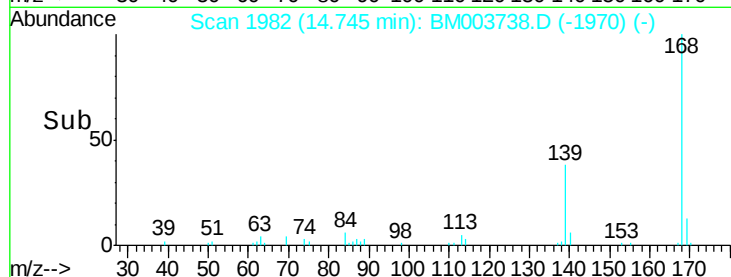
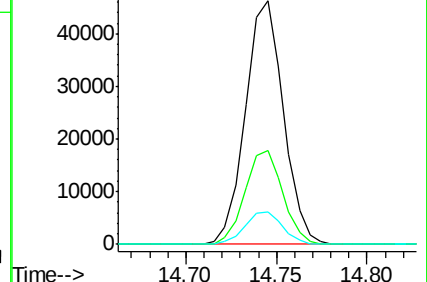
169 13.2 10.6 16.0



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: 7.55 ng

RT: 15.39 min Scan# 2092

Delta R.T. -0.04 min

Lab File: BM003738.D

Acq: 23 Dec 2015 09:19

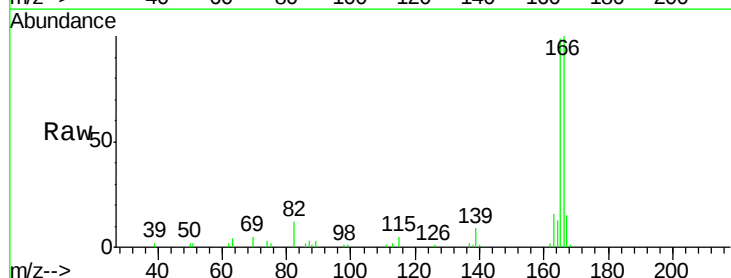
Tgt Ion:166 Resp: 45177

Ion Ratio Lower Upper

166 100

165 99.4 79.0 118.4

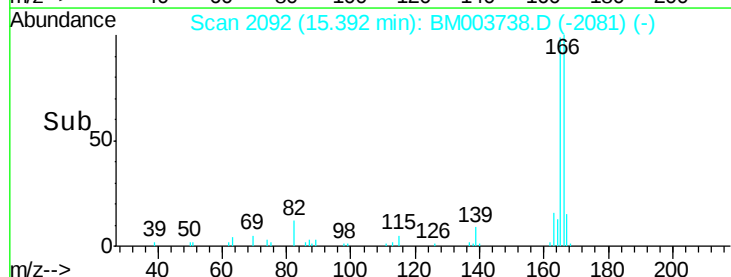
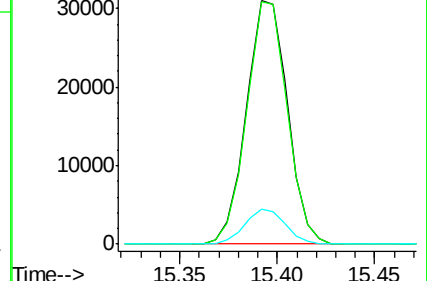
167 14.6 10.3 15.5

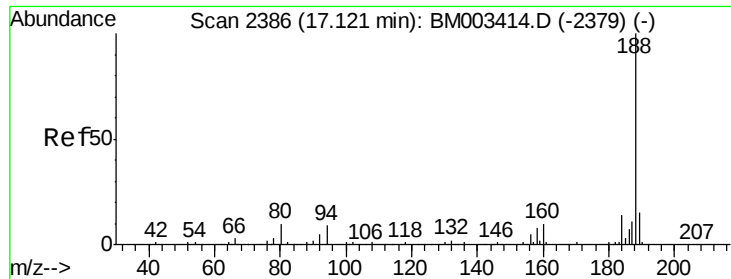


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

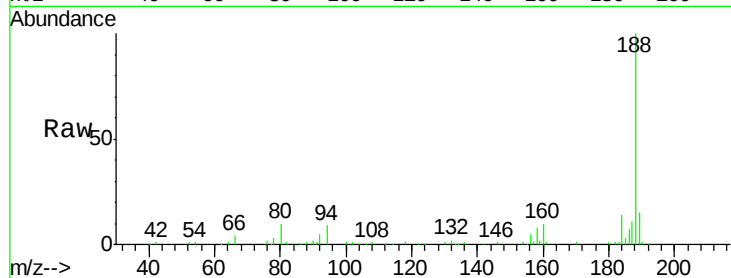




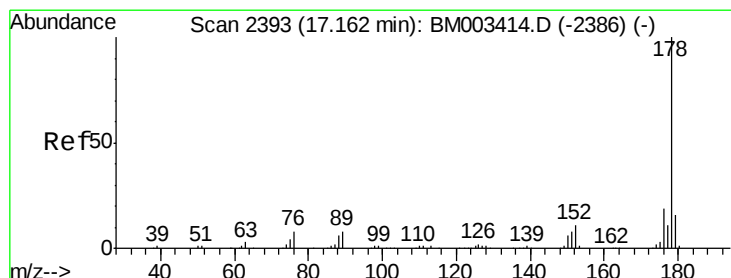
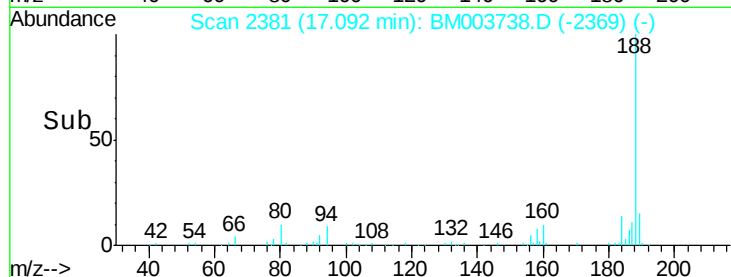
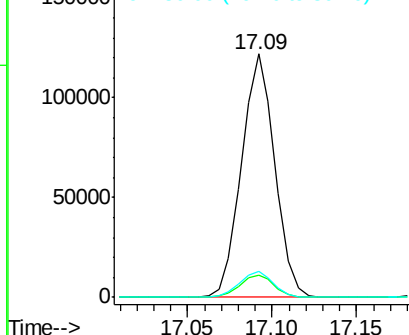
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.09 min Scan# 2381
Delta R.T. -0.03 min
Lab File: BM003738.D
Acq: 23 Dec 2015 09:19

Instrument :
BNA_M
ClientSampleId :

Tot Ion:188 Resp: 166930
Ion Ratio Lower Upper
188 100
94 9.2 8.7 13.1
80 10.4 9.3 13.9

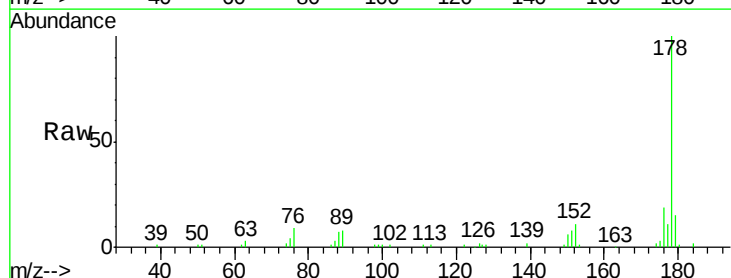


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

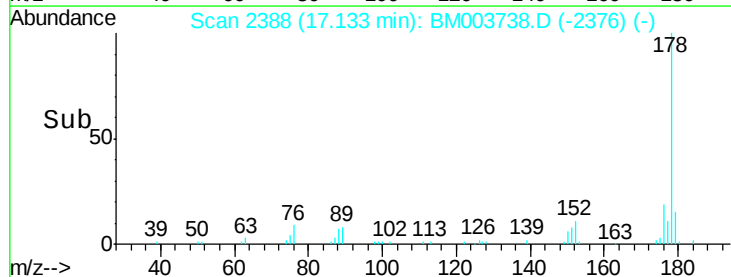
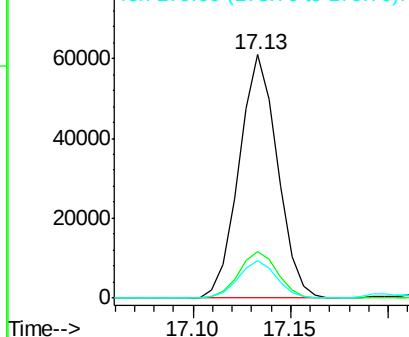


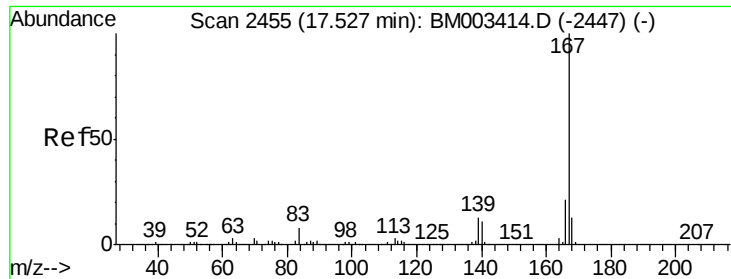
#70
Phenanthrene
Concen: 8.86 ng
RT: 17.13 min Scan# 2388
Delta R.T. -0.03 min
Lab File: BM003738.D
Acq: 23 Dec 2015 09:19

Tgt Ion:178 Resp: 83000
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.5 12.1 18.1



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





#72

Carbazole

Concen: 3.05 ng

RT: 17.50 min Scan# 2450

Delta R.T. -0.03 min

Lab File: BM003738.D

Acq: 23 Dec 2015 09:19

Instrument :

BNA_M

ClientSampleId :

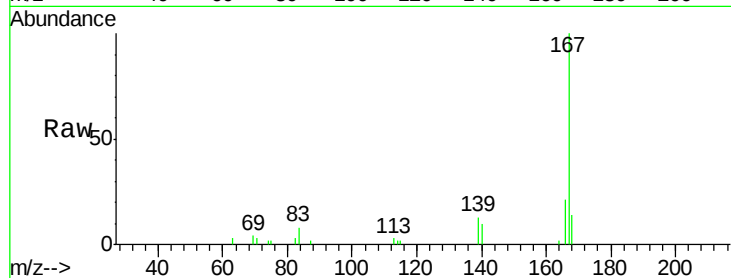
Tot Ion:167 Resp: 24771

Ion Ratio Lower Upper

167 100

166 20.6 17.2 25.8

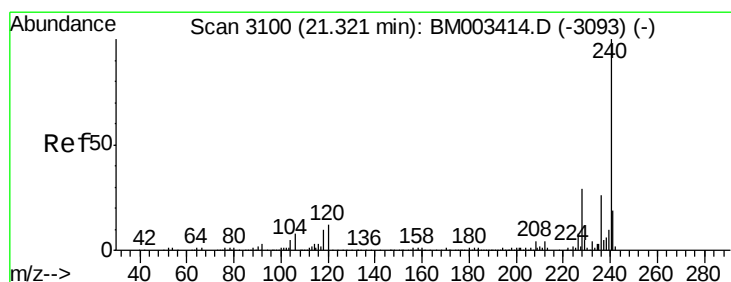
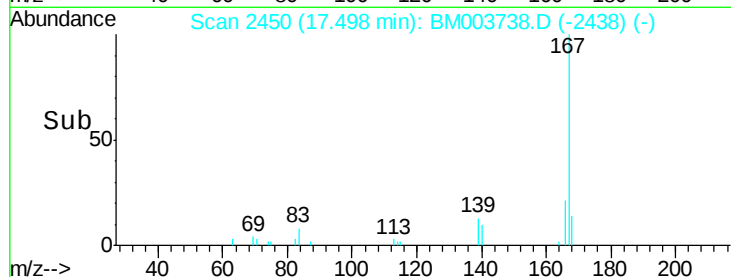
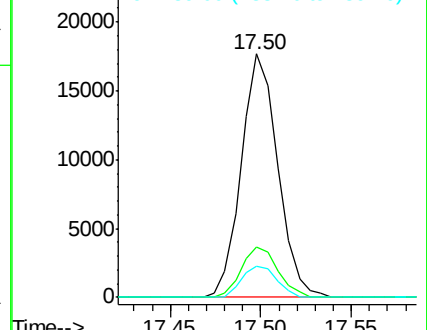
139 12.6 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.29 min Scan# 3095

Delta R.T. -0.03 min

Lab File: BM003738.D

Acq: 23 Dec 2015 09:19

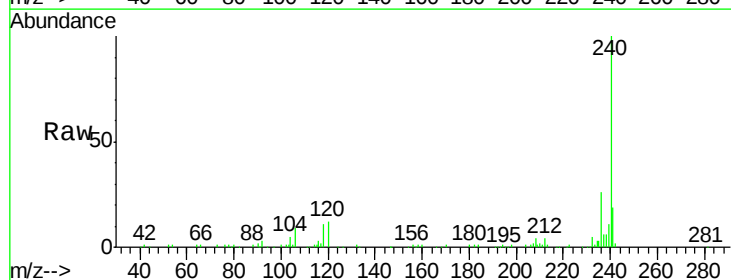
Tgt Ion:240 Resp: 177778

Ion Ratio Lower Upper

240 100

120 11.9 8.2 12.2

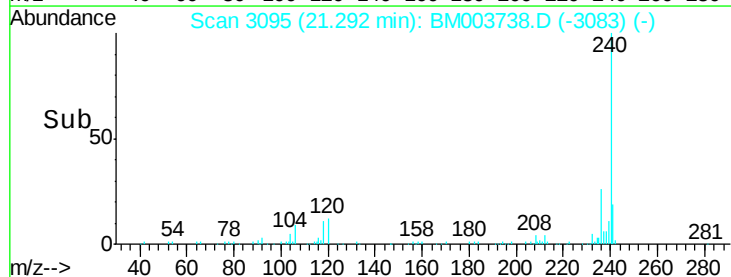
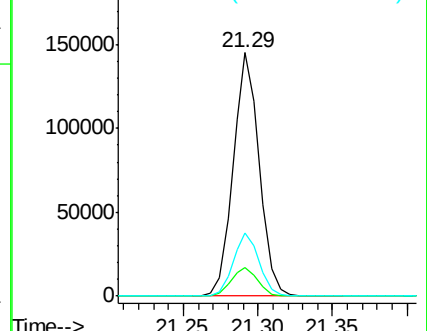
236 25.8 20.0 30.0

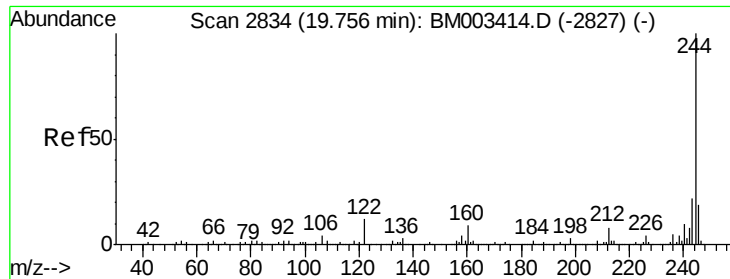


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

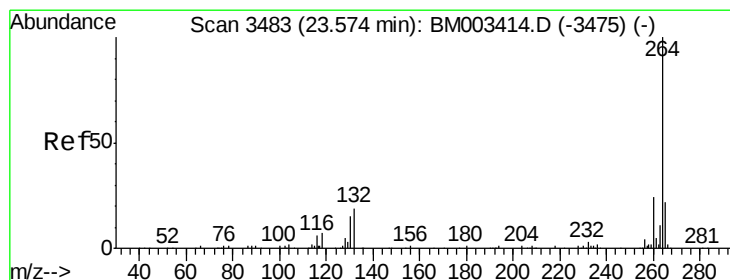
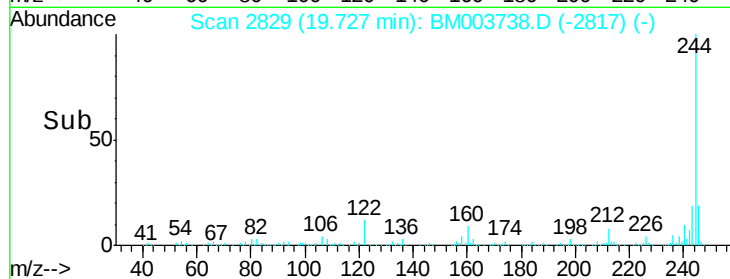
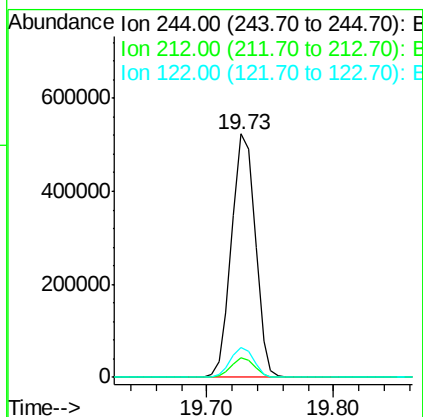
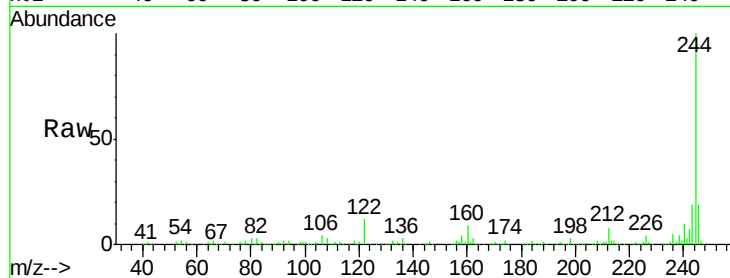




#78
 Terphenyl-d14
 Concen: 89.88 ng
 RT: 19.73 min Scan# 2829
 Delta R.T. -0.03 min
 Lab File: BM003738.D
 Acq: 23 Dec 2015 09:19

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:244 Resp: 677590
 Ion Ratio Lower Upper
 244 100
 212 7.9 4.9 7.3#
 122 12.5 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: BM003738.D
 Acq: 23 Dec 2015 09:19

Tgt Ion:264 Resp: 183550
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.6 27.8
 265 21.9 17.3 25.9

