

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122315\
 Data File : BM003734.D
 Acq On : 23 Dec 2015 06:56
 Operator : UM/SJ
 Sample : G4869-14
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LTCWC-04

Quant Time: Dec 23 10:35:08 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

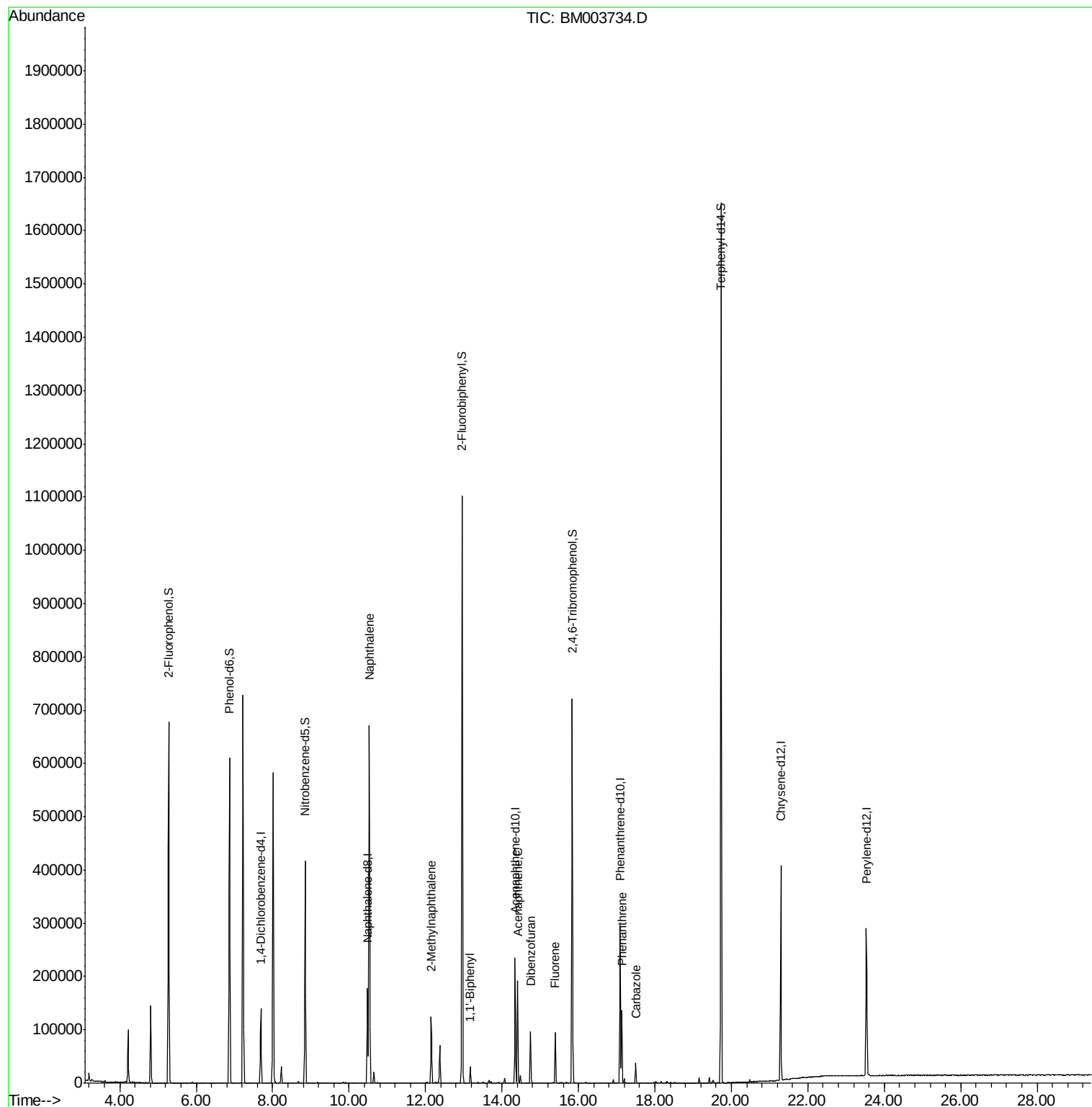
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	39246	20.00	ng	-0.03
21) Naphthalene-d8	10.48	136	153089	20.00	ng	-0.04
38) Acenaphthene-d10	14.34	164	77757	20.00	ng	-0.03
63) Phenanthrene-d10	17.09	188	167958	20.00	ng	-0.03
75) Chrysene-d12	21.29	240	184117	20.00	ng	-0.03
86) Perylene-d12	23.53	264	187971	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	308274	139.65	ng	-0.02
7) Phenol-d6	6.87	99	366893	119.69	ng	-0.02
23) Nitrobenzene-d5	8.85	82	253107	102.51	ng	-0.03
41) 2,4,6-Tribromophenol	15.84	330	116849	150.47	ng	-0.03
44) 2-Fluorobiphenyl	12.96	172	578484	101.36	ng	-0.04
78) Terphenyl-d14	19.73	244	706454	90.49	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	10.53	128	592468	73.96	ng	99
37) 2-Methylnaphthalene	12.15	142	63212	11.50	ng	97
45) 1,1'-Biphenyl	13.17	154	18608	2.70	ng	99
51) Acenaphthene	14.41	154	71494	14.61	ng	98
54) Dibenzofuran	14.74	168	67755	9.59	ng	95
57) Fluorene	15.39	166	44866	7.66	ng	97
70) Phenanthrene	17.13	178	83026	8.81	ng	100
72) Carbazole	17.50	167	26362	3.23	ng	99

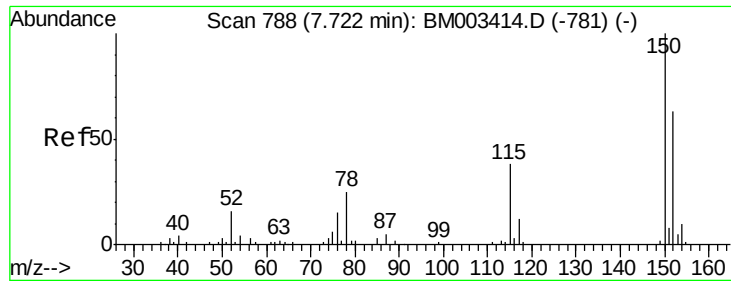
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

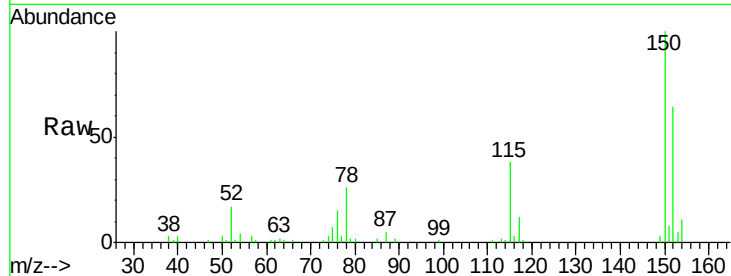




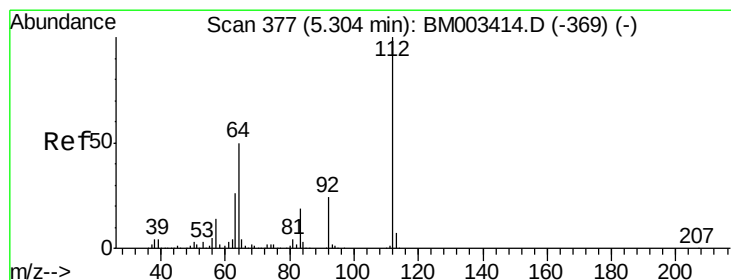
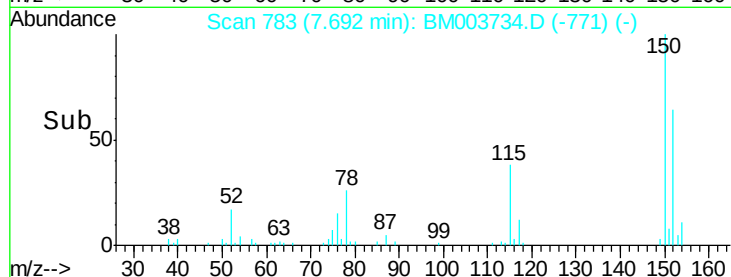
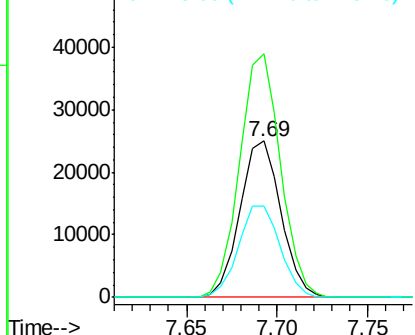
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.69 min Scan# 783
 Delta R.T. -0.03 min
 Lab File: BM003734.D
 Acq: 23 Dec 2015 06:56

Instrument :
 BNA_M
 ClientSampleId :
 LTCWC-04

Tot Ion:152 Resp: 39246
 Ion Ratio Lower Upper
 152 100
 150 156.1 119.5 179.3
 115 58.6 43.0 64.4

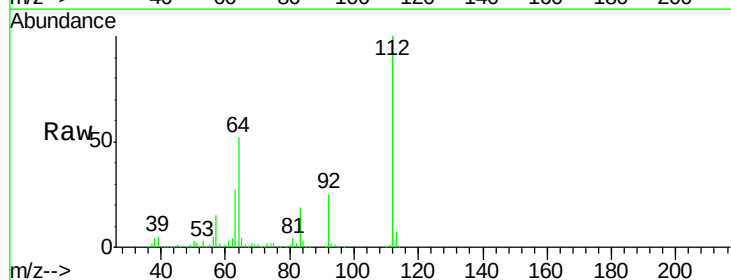


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

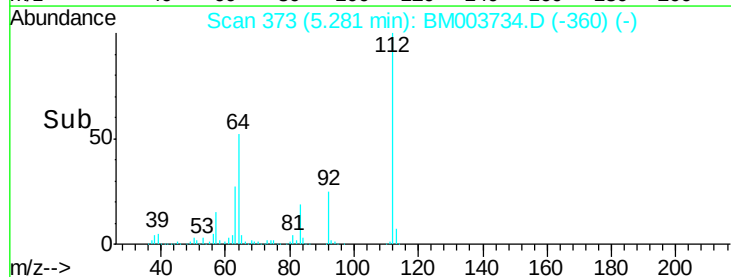
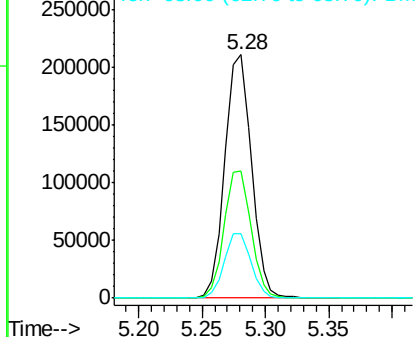


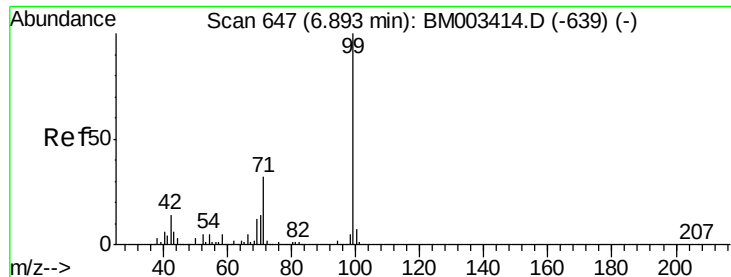
#5
 2-Fluorophenol
 Concen: 139.65 ng
 RT: 5.28 min Scan# 373
 Delta R.T. -0.02 min
 Lab File: BM003734.D
 Acq: 23 Dec 2015 06:56

Tgt Ion:112 Resp: 308274
 Ion Ratio Lower Upper
 112 100
 64 52.2 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: 119.69 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM003734.D

Acq: 23 Dec 2015 06:56

Instrument :

BNA_M

ClientSampleId :

LTCWC-04

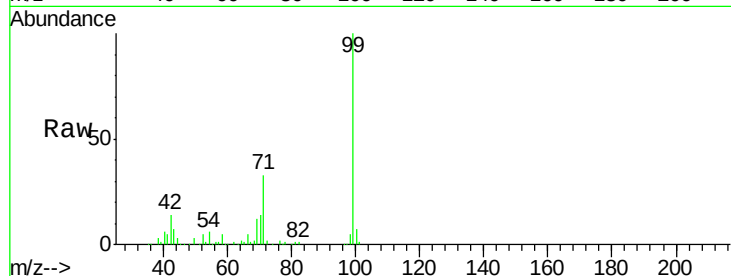
Tot Ion: 99 Resp: 366893

Ion Ratio Lower Upper

99 100

42 14.0 11.0 16.4

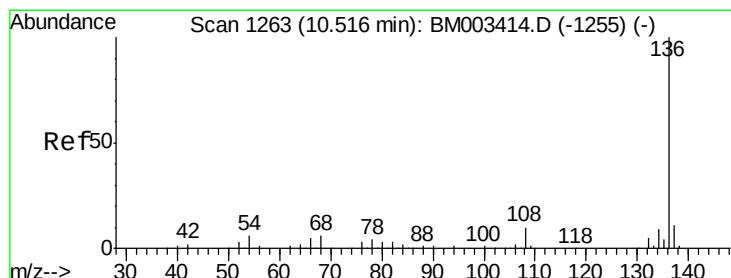
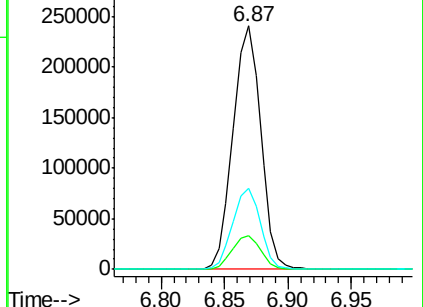
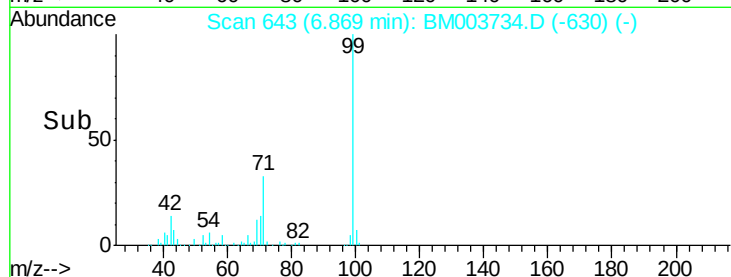
71 33.1 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BM003734.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM003734.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM003734.D (-639) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.48 min Scan# 1257

Delta R.T. -0.04 min

Lab File: BM003734.D

Acq: 23 Dec 2015 06:56

Tgt Ion: 136 Resp: 153089

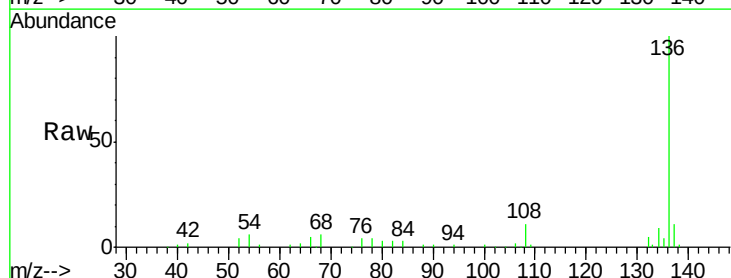
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 6.4 4.6 6.8

68 5.9 3.7 5.5#

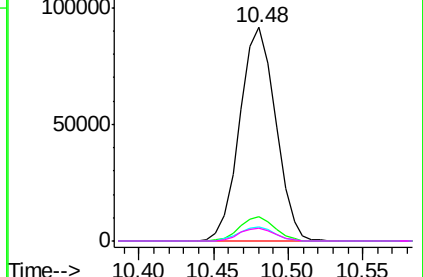
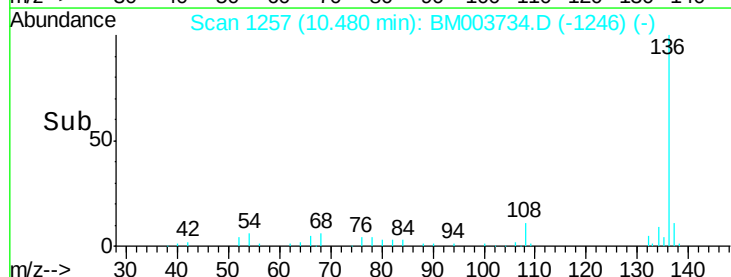


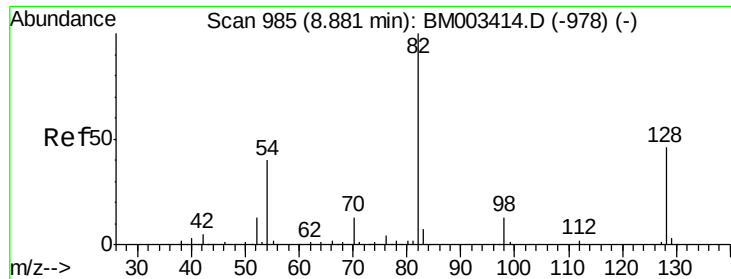
Abundance Ion 136.00 (135.70 to 136.70): BM003734.D (-1246) (-)

Ion 137.00 (136.70 to 137.70): BM003734.D (-1246) (-)

Ion 54.00 (53.70 to 54.70): BM003734.D (-1246) (-)

Ion 68.00 (67.70 to 68.70): BM003734.D (-1246) (-)

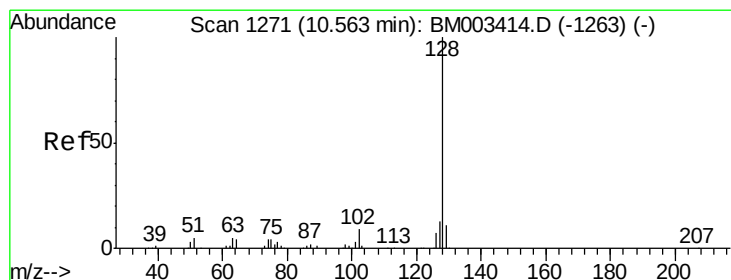
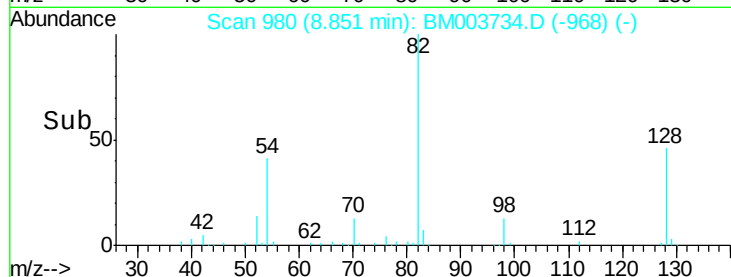
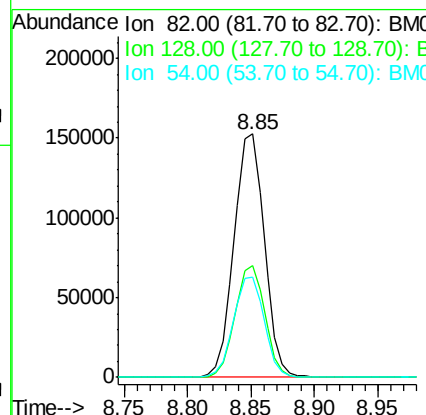
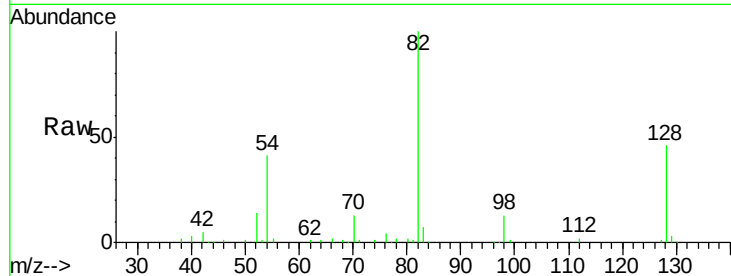




#23
 Nitrobenzene-d5
 Concen: 102.51 ng
 RT: 8.85 min Scan# 980
 Delta R.T. -0.03 min
 Lab File: BM003734.D
 Acq: 23 Dec 2015 06:56

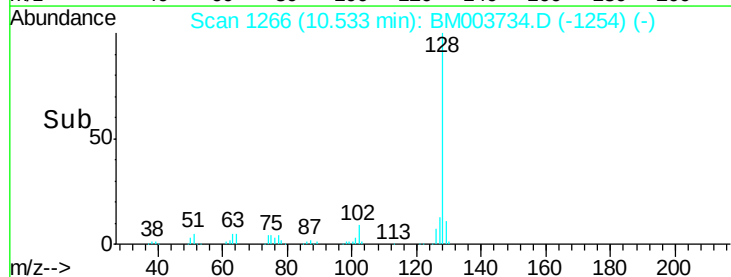
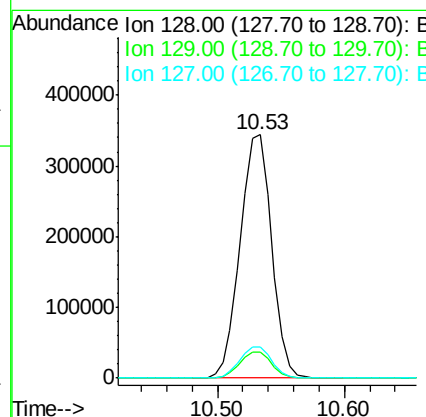
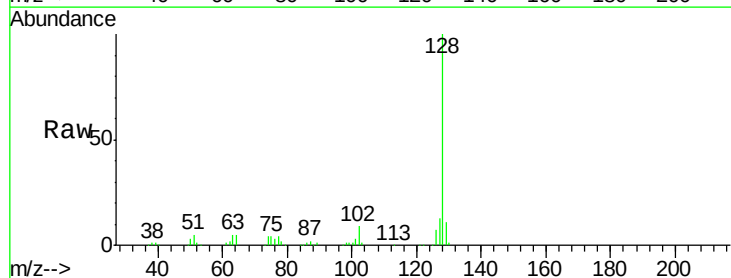
Instrument :
 BNA_M
 ClientSampleId :
 LTCWC-04

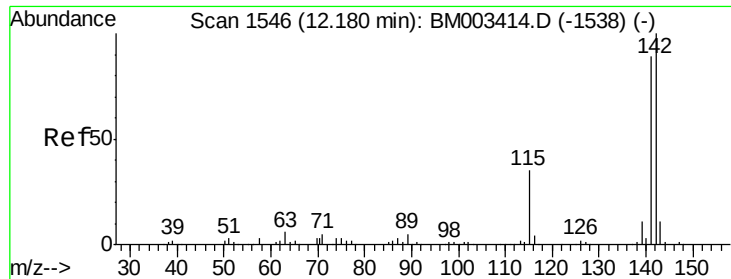
Tot Ion	82	Resp	253107
Ion Ratio	Lower	Upper	
82	100		
128	45.9	32.8	49.2
54	41.3	40.6	60.8



#31
 Naphthalene
 Concen: 73.96 ng
 RT: 10.53 min Scan# 1266
 Delta R.T. -0.03 min
 Lab File: BM003734.D
 Acq: 23 Dec 2015 06:56

Tgt Ion	128	Resp	592468
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.9	13.3
127	12.9	10.4	15.6

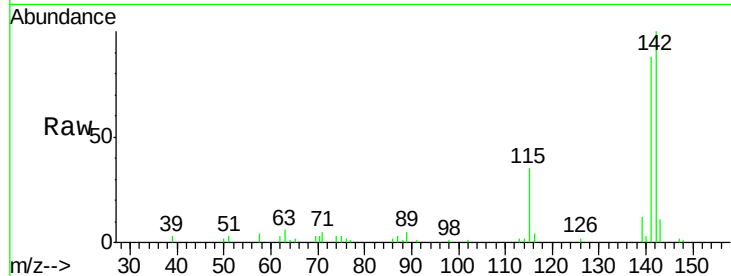




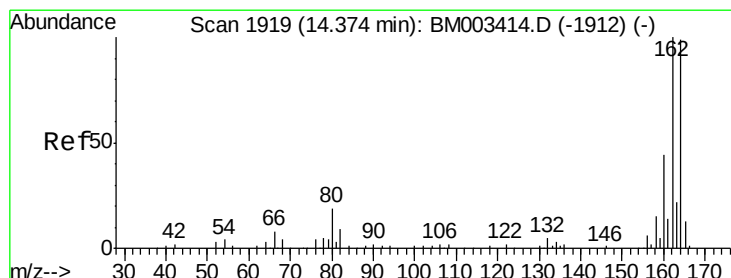
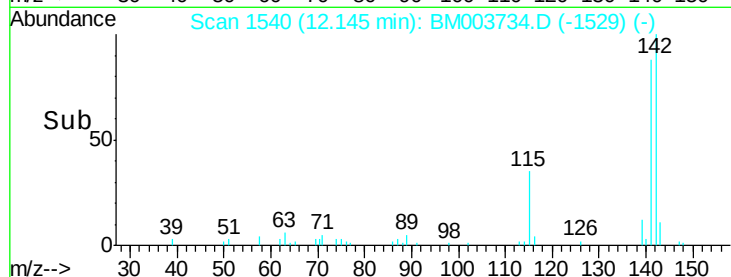
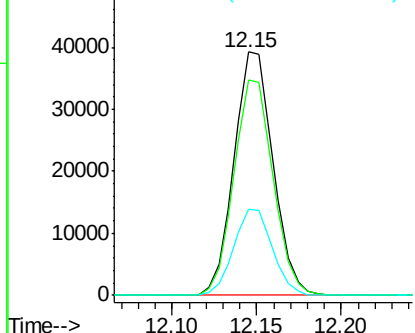
#37
2-Methylnaphthalene
Concen: 11.50 ng
RT: 12.15 min Scan# 1540
Delta R.T. -0.04 min
Lab File: BM003734.D
Acq: 23 Dec 2015 06:56

Instrument :
BNA_M
ClientSampled :
LTCWC-04

Tot Ion:142 Resp: 63212
Ion Ratio Lower Upper
142 100
141 88.3 71.9 107.9
115 35.5 25.4 38.0

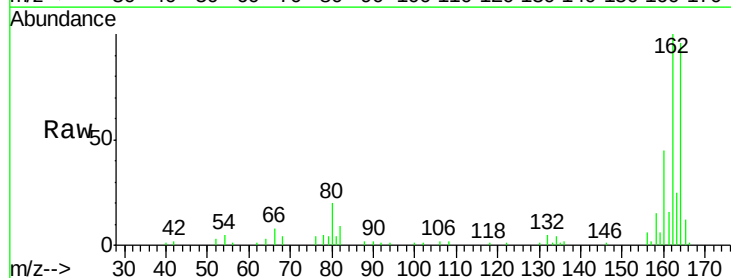


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

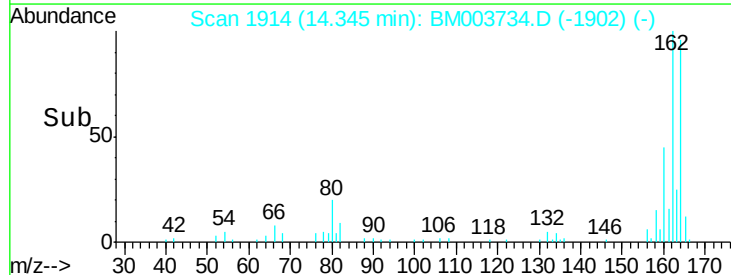
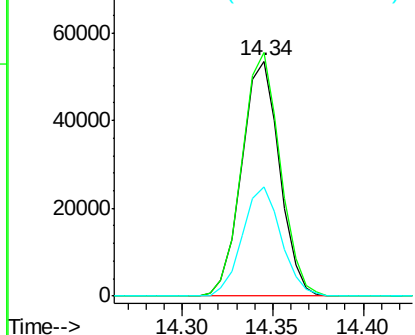


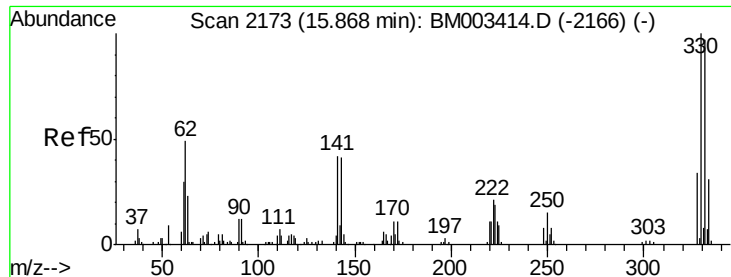
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.34 min Scan# 1914
Delta R.T. -0.03 min
Lab File: BM003734.D
Acq: 23 Dec 2015 06:56

Tgt Ion:164 Resp: 77757
Ion Ratio Lower Upper
164 100
162 103.7 82.4 123.6
160 46.4 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

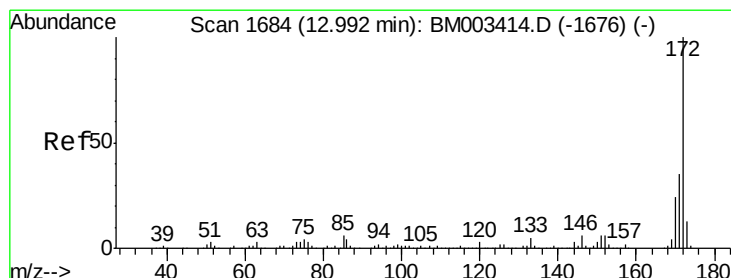
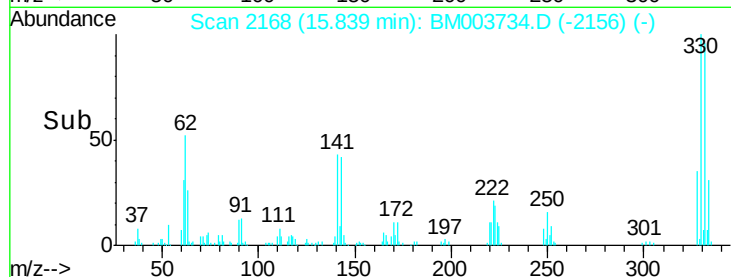
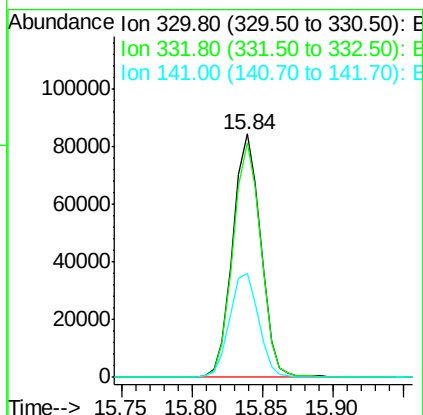
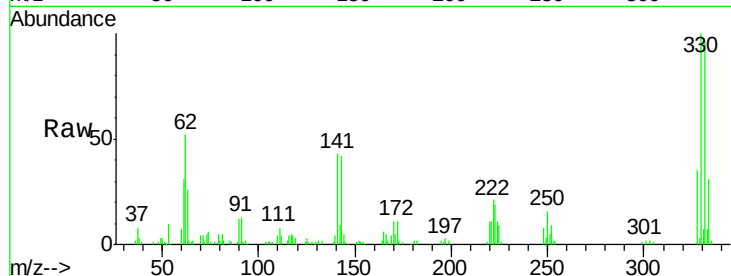




#41
 2,4,6-Tribromophenol
 Concen: 150.47 ng
 RT: 15.84 min Scan# 2168
 Delta R.T. -0.03 min
 Lab File: BM003734.D
 Acq: 23 Dec 2015 06:56

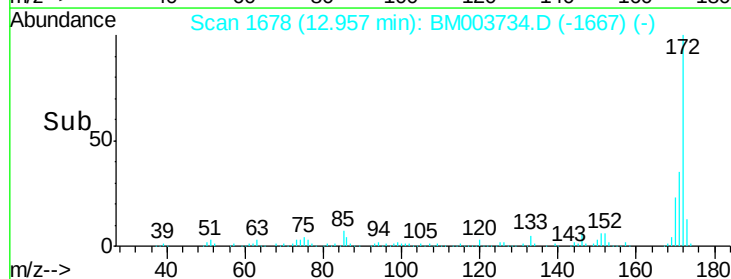
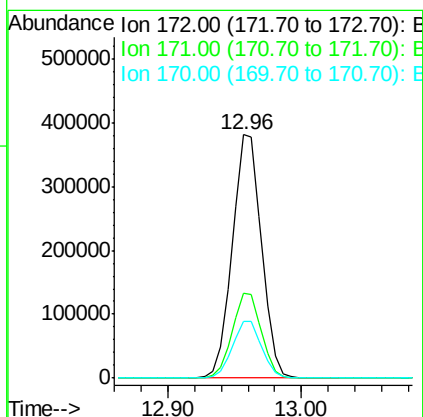
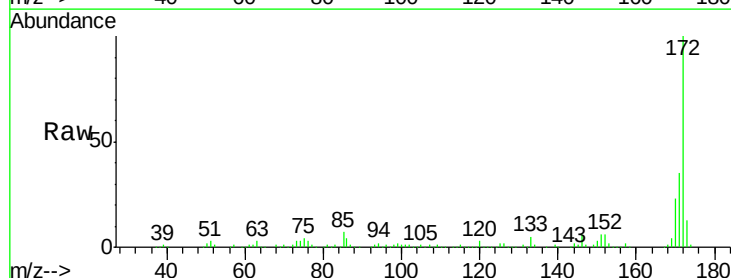
Instrument :
 BNA_M
 ClientSampled :
 LTCWC-04

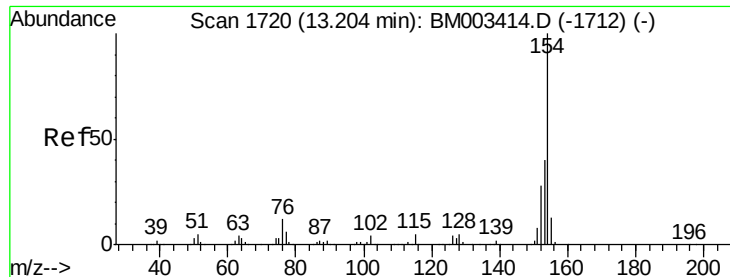
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	0.0	0.0#
141	43.9	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 101.36 ng
 RT: 12.96 min Scan# 1678
 Delta R.T. -0.04 min
 Lab File: BM003734.D
 Acq: 23 Dec 2015 06:56

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

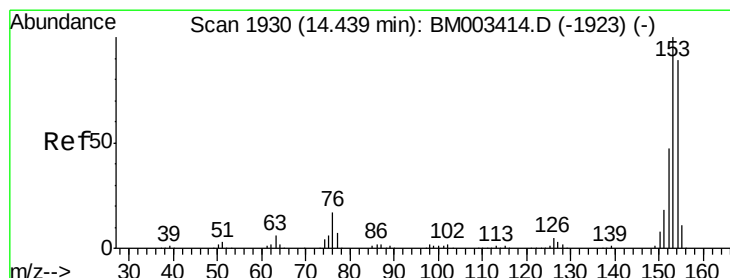
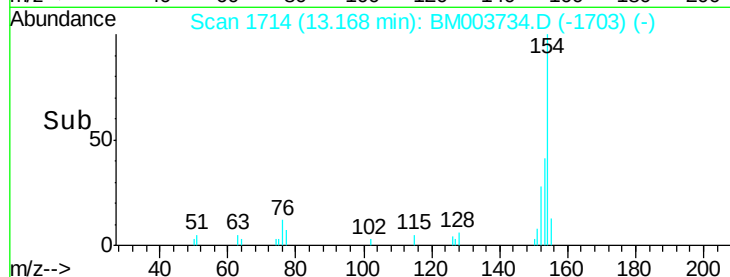
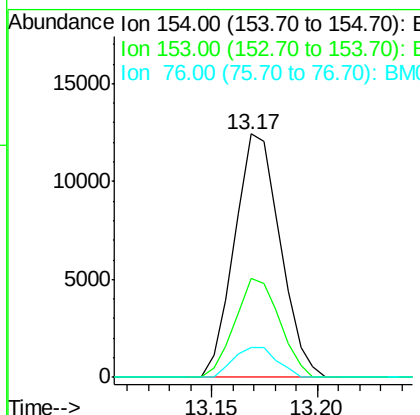
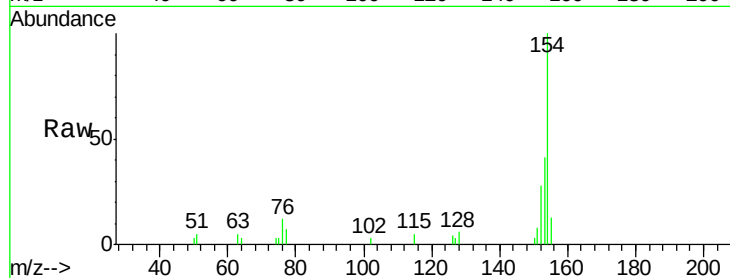




#45
 1,1'-Biphenyl
 Concen: 2.70 ng
 RT: 13.17 min Scan# 1714
 Delta R.T. -0.04 min
 Lab File: BM003734.D
 Acq: 23 Dec 2015 06:56

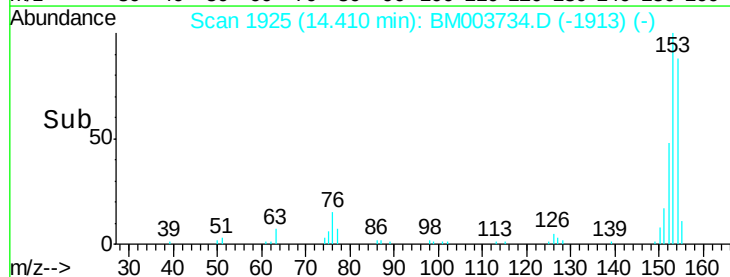
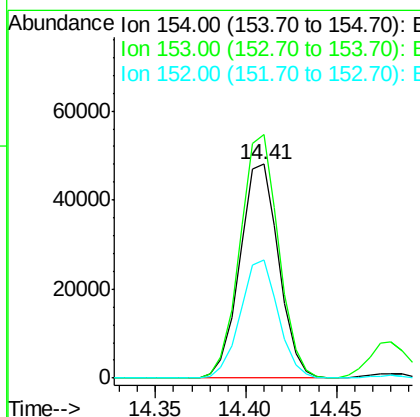
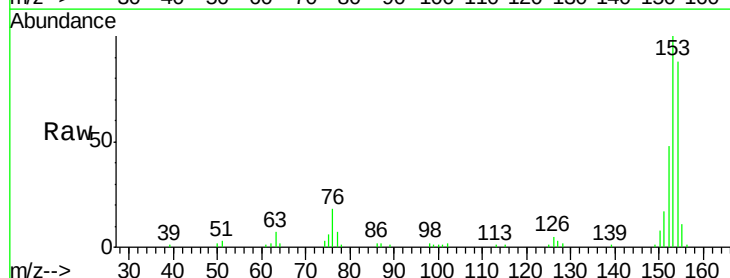
Instrument :
 BNA_M
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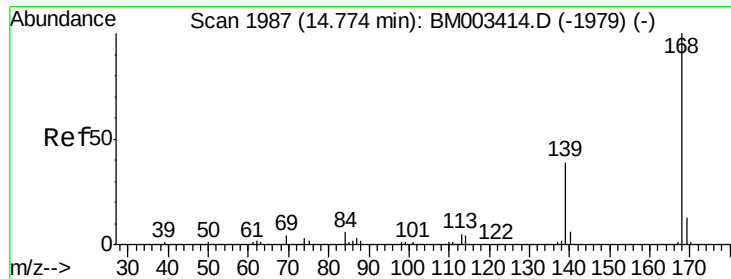
Tot Ion:154 Resp: 18608
 Ion Ratio Lower Upper
 154 100
 153 40.7 20.7 60.7
 76 12.5 0.0 30.9



#51
 Acenaphthene
 Concen: 14.61 ng
 RT: 14.41 min Scan# 1925
 Delta R.T. -0.03 min
 Lab File: BM003734.D
 Acq: 23 Dec 2015 06:56

Tgt Ion:154 Resp: 71494
 Ion Ratio Lower Upper
 154 100
 153 113.8 90.0 135.0
 152 55.2 42.6 63.8





#54

Dibenzofuran

Concen: 9.59 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.03 min

Lab File: BM003734.D

Acq: 23 Dec 2015 06:56

Instrument :

BNA_M

ClientSampleId :

LTCWC-04

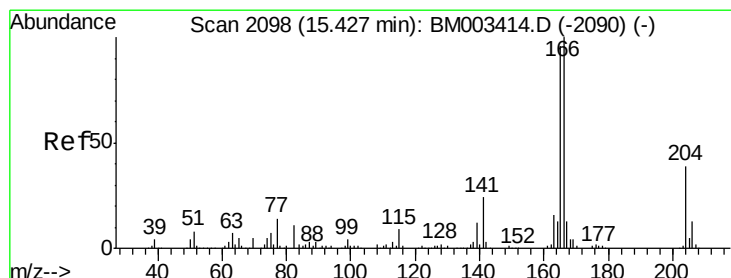
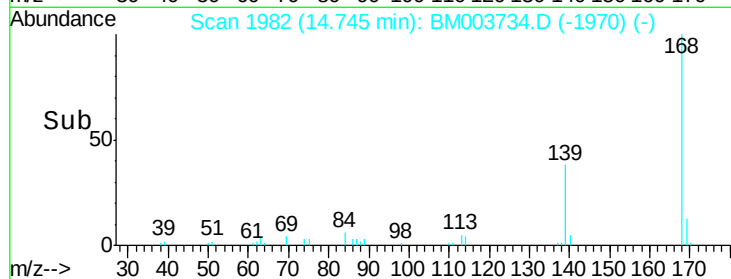
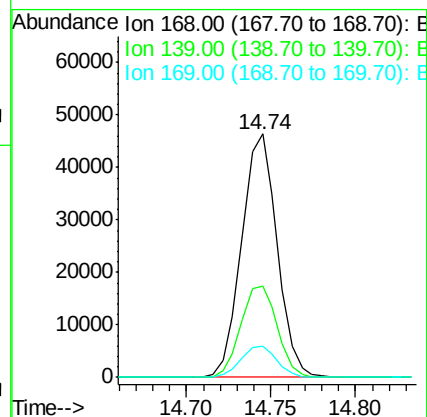
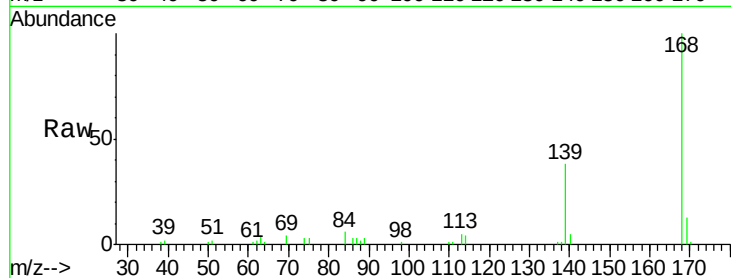
Tot Ion:168 Resp: 67755

Ion Ratio Lower Upper

168 100

139 37.6 27.3 40.9

169 12.7 10.6 16.0



#57

Fluorene

Concen: 7.66 ng

RT: 15.39 min Scan# 2092

Delta R.T. -0.04 min

Lab File: BM003734.D

Acq: 23 Dec 2015 06:56

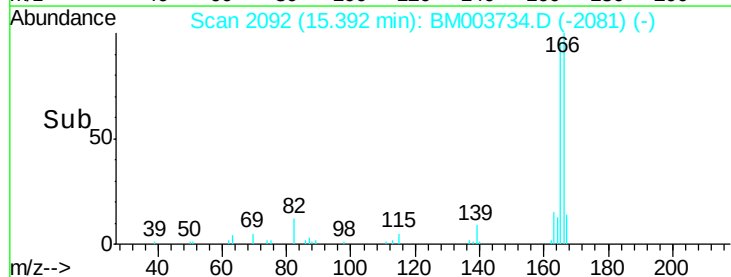
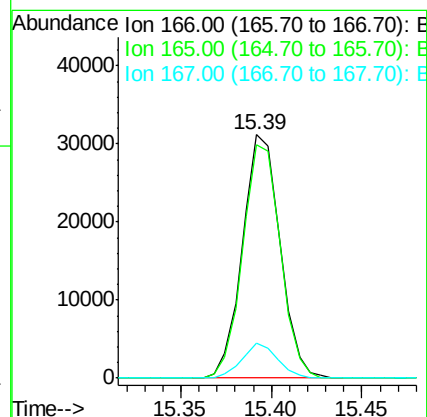
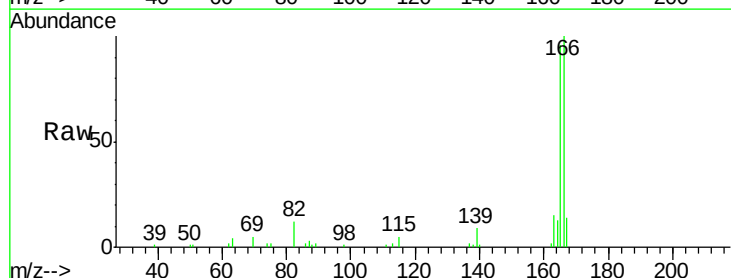
Tgt Ion:166 Resp: 44866

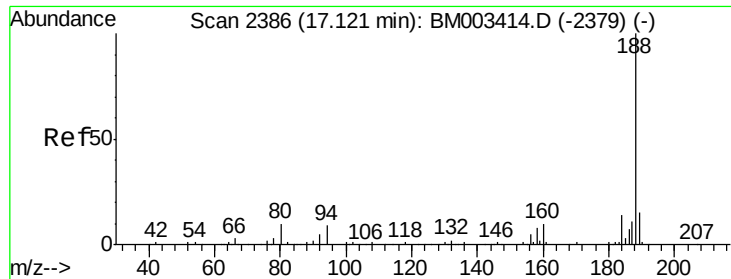
Ion Ratio Lower Upper

166 100

165 95.7 79.0 118.4

167 14.2 10.3 15.5

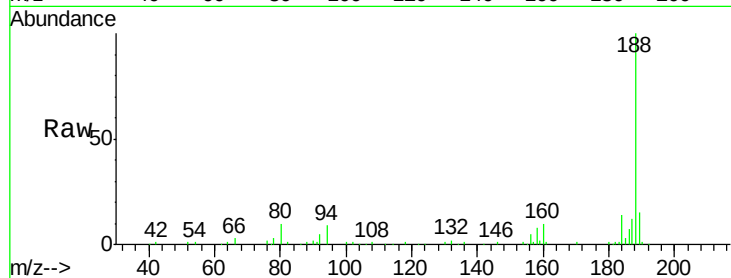




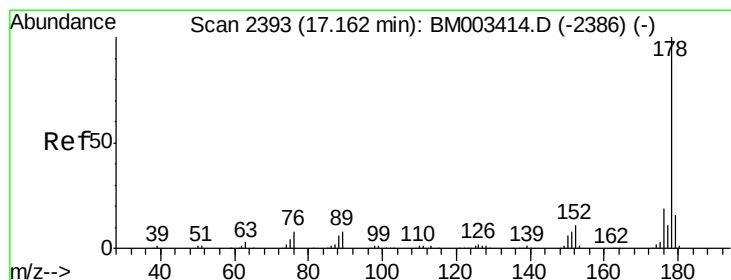
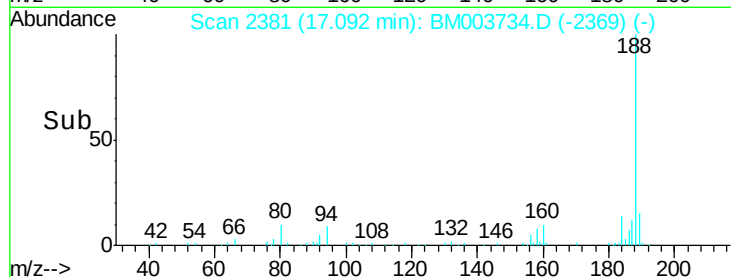
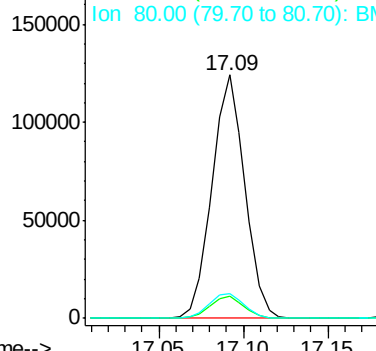
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.09 min Scan# 2381
Delta R.T. -0.03 min
Lab File: BM003734.D
Acq: 23 Dec 2015 06:56

Instrument :
BNA_M
ClientSampleId :
LTCWC-04

Tot Ion:188 Resp: 167958
Ion Ratio Lower Upper
188 100
94 9.1 8.7 13.1
80 10.4 9.3 13.9

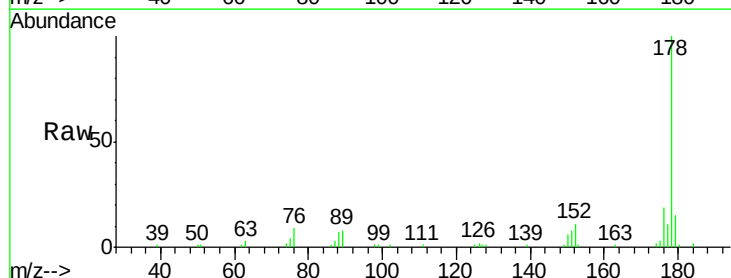


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

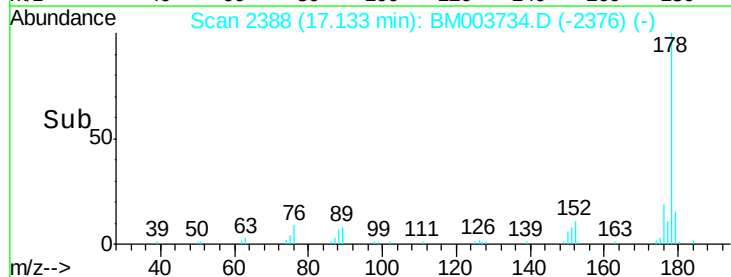
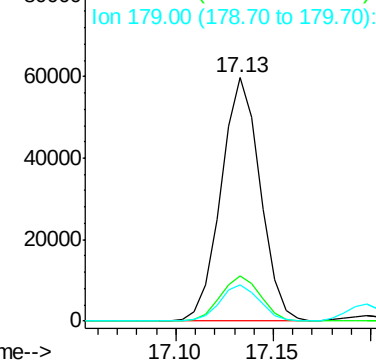


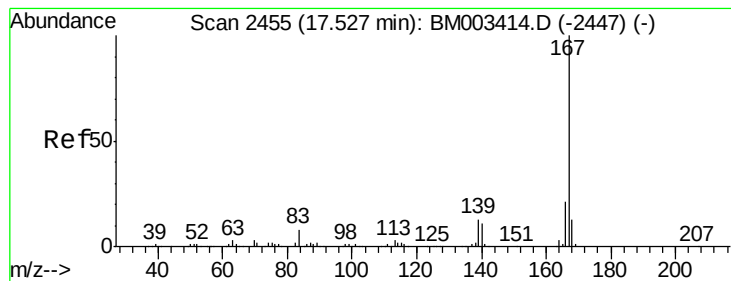
#70
Phenanthrene
Concen: 8.81 ng
RT: 17.13 min Scan# 2388
Delta R.T. -0.03 min
Lab File: BM003734.D
Acq: 23 Dec 2015 06:56

Tgt Ion:178 Resp: 83026
Ion Ratio Lower Upper
178 100
176 18.8 15.2 22.8
179 15.1 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: 3.23 ng

RT: 17.50 min Scan# 2450

Delta R.T. -0.03 min

Lab File: BM003734.D

Acq: 23 Dec 2015 06:56

Instrument :

BNA_M

ClientSampleId :

LTCWC-04

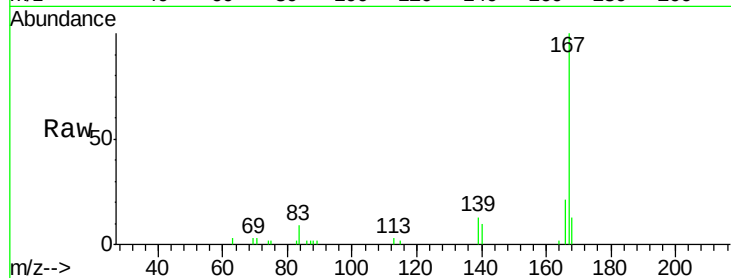
Tot Ion:167 Resp: 26362

Ion Ratio Lower Upper

167 100

166 20.9 17.2 25.8

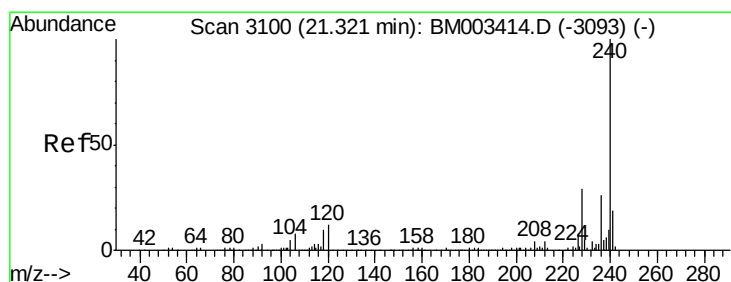
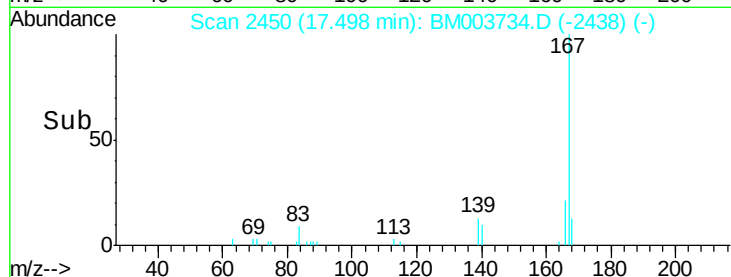
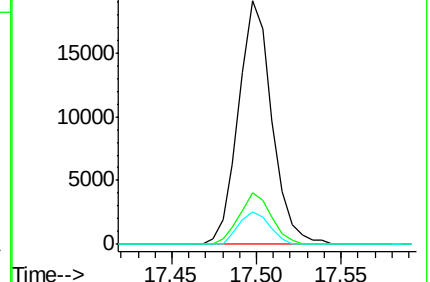
139 13.2 10.8 16.2



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: BM003734.D

Acq: 23 Dec 2015 06:56

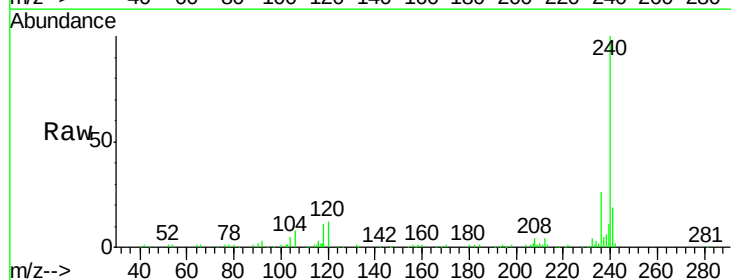
Tgt Ion:240 Resp: 184117

Ion Ratio Lower Upper

240 100

120 12.1 8.2 12.2

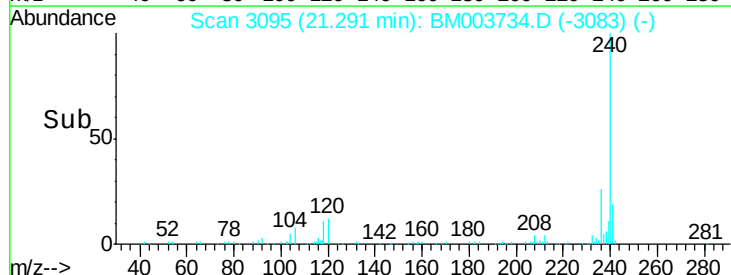
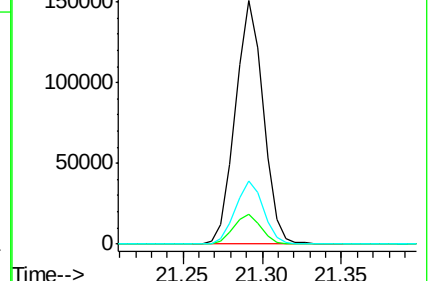
236 25.9 20.0 30.0

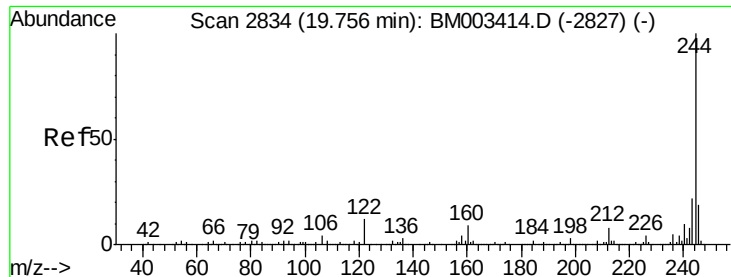


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 90.49 ng

RT: 19.73 min Scan# 2829

Delta R.T. -0.03 min

Lab File: BM003734.D

Acq: 23 Dec 2015 06:56

Instrument :

BNA_M

ClientSampleId :

LTCWC-04

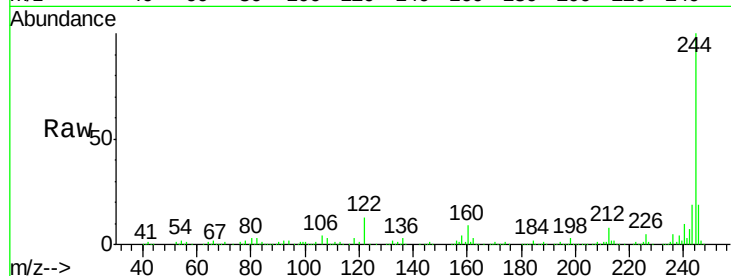
Tot Ion:244 Resp: 706454

Ion Ratio Lower Upper

244 100

212 7.9 4.9 7.3#

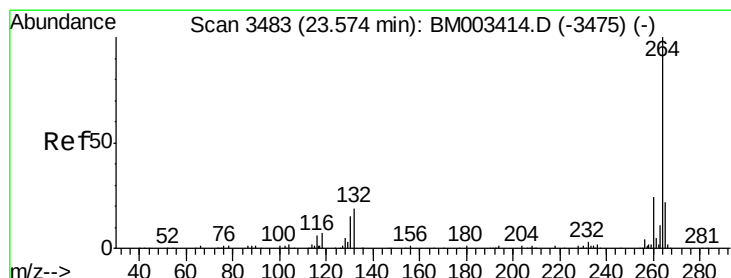
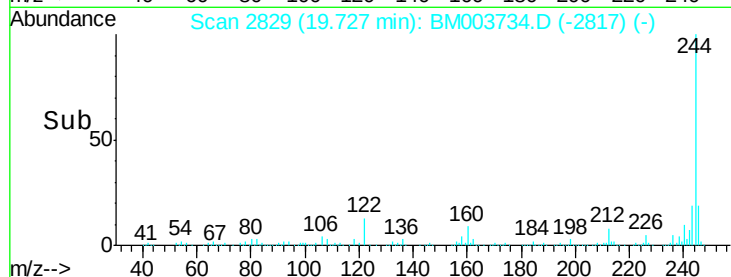
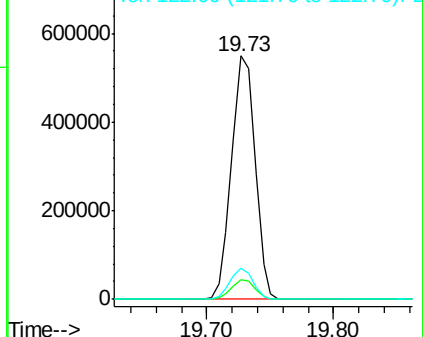
122 12.7 6.2 9.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.53 min Scan# 3476

Delta R.T. -0.04 min

Lab File: BM003734.D

Acq: 23 Dec 2015 06:56

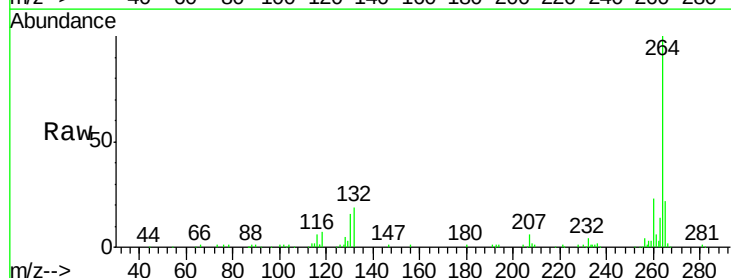
Tgt Ion:264 Resp: 187971

Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 21.6 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

