

Data Path : Z:\HPCHEM1\BNA M\Data\BM122315\
 Data File : BM003733.D
 Acq On : 23 Dec 2015 06:19
 Operator : UM/SJ
 Sample : G4869-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LTCWC-03

Quant Time: Dec 23 06:54:50 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

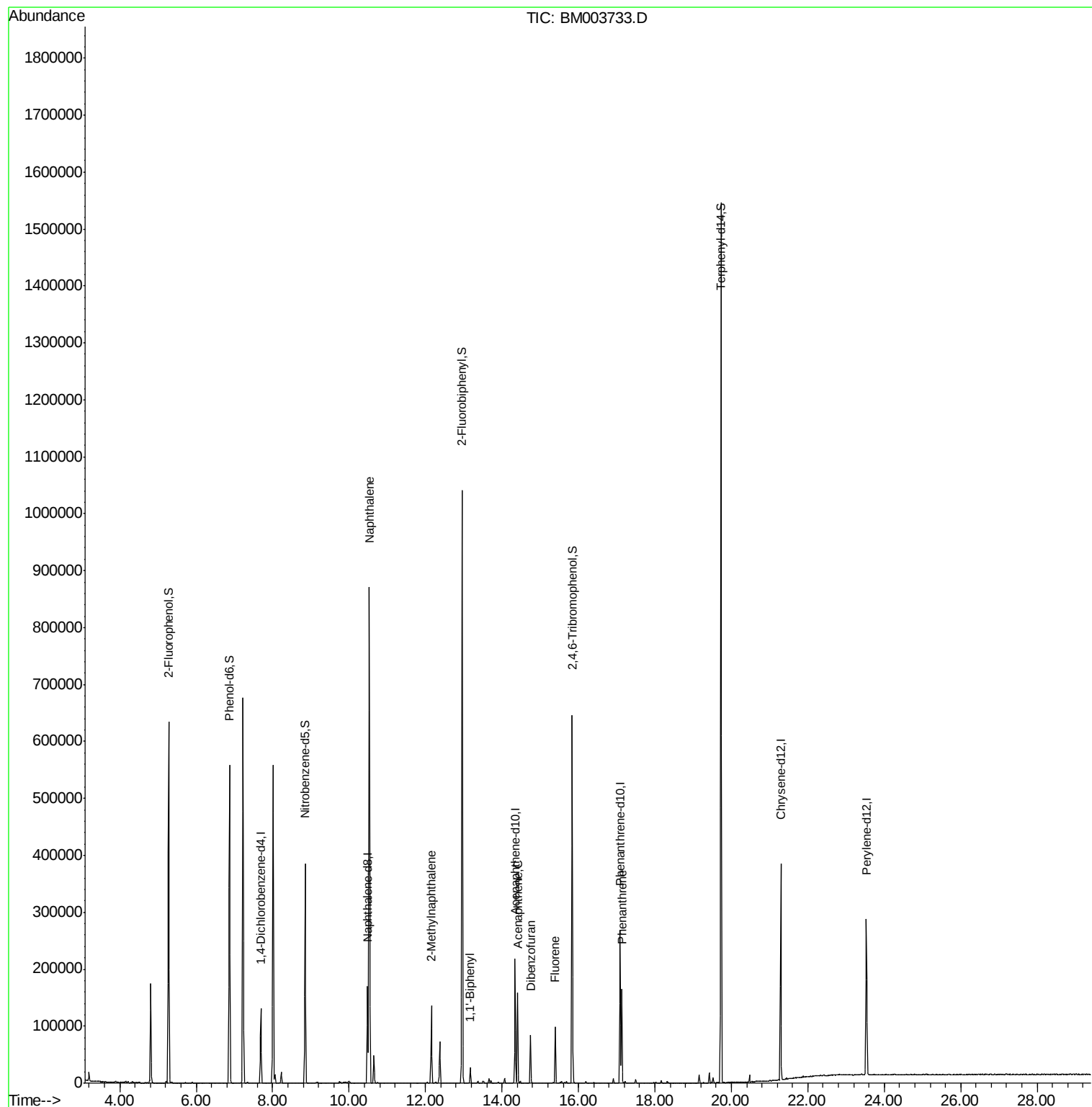
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	36577	20.00	ng	-0.03
21) Naphthalene-d8	10.48	136	144274	20.00	ng	-0.04
38) Acenaphthene-d10	14.34	164	73057	20.00	ng	-0.03
63) Phenanthrene-d10	17.09	188	156002	20.00	ng	-0.03
75) Chrysene-d12	21.29	240	174136	20.00	ng	-0.03
86) Perylene-d12	23.53	264	186292	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	287628	139.81	ng	-0.02
7) Phenol-d6	6.87	99	338716	118.56	ng	-0.02
23) Nitrobenzene-d5	8.85	82	234322	100.70	ng	-0.03
41) 2,4,6-Tribromophenol	15.84	330	106749	146.31	ng	-0.03
44) 2-Fluorobiphenyl	12.96	172	533328	99.46	ng	-0.04
78) Terphenyl-d14	19.73	244	633686	85.82	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	10.53	128	750045	99.35	ng	100
32) Benzoic acid	9.75	122	1879	Below	Cal	93
37) 2-Methylnaphthalene	12.15	142	68849	13.30	ng	97
45) 1,1'-Biphenyl	13.17	154	16926	2.61	ng	98
51) Acenaphthene	14.41	154	59966	13.04	ng	99
54) Dibenzofuran	14.74	168	56524	8.51	ng	93
57) Fluorene	15.39	166	45740	8.31	ng	99
70) Phenanthrene	17.13	178	97952	11.19	ng	100

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

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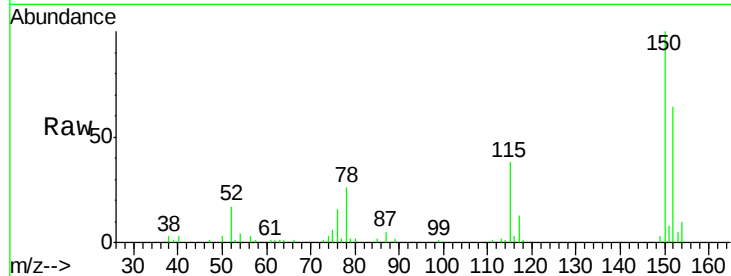


#1

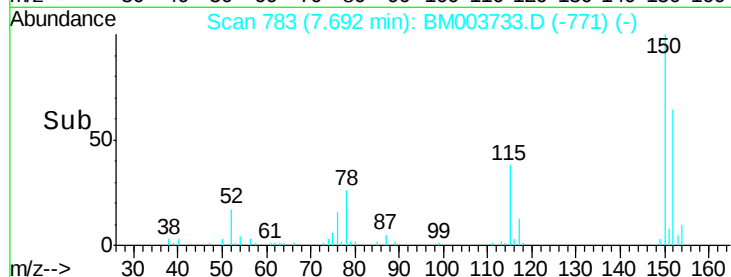
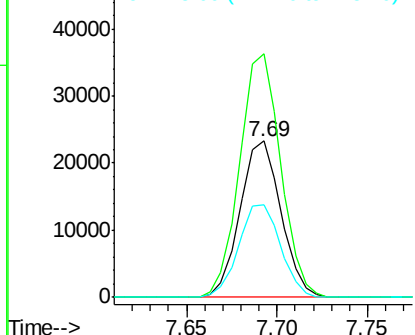
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.03 min
Lab File: BM003733.D
Acq: 23 Dec 2015 06:19

Instrument :
BNA_M
ClientSampleId :
LTCWC-03

Tot Ion:152 Resp: 36577
Ion Ratio Lower Upper
152 100
150 155.7 119.5 179.3
115 59.4 43.0 64.4



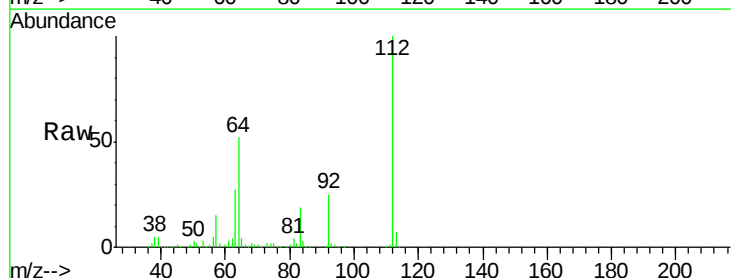
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



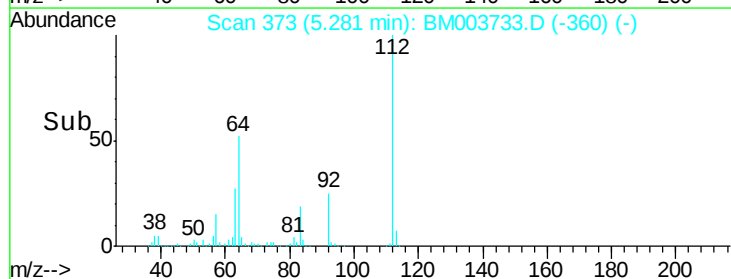
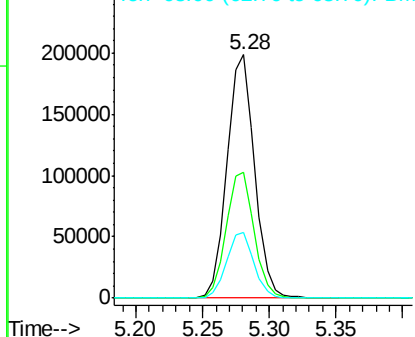
#5

2-Fluorophenol
Concen: 139.81 ng
RT: 5.28 min Scan# 373
Delta R.T. -0.02 min
Lab File: BM003733.D
Acq: 23 Dec 2015 06:19

Tgt Ion:112 Resp: 287628
Ion Ratio Lower Upper
112 100
64 51.9 38.6 57.8
63 27.1 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: 118.56 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM003733.D

Acq: 23 Dec 2015 06:19

Instrument :

BNA_M

ClientSampleId :

LTCWC-03

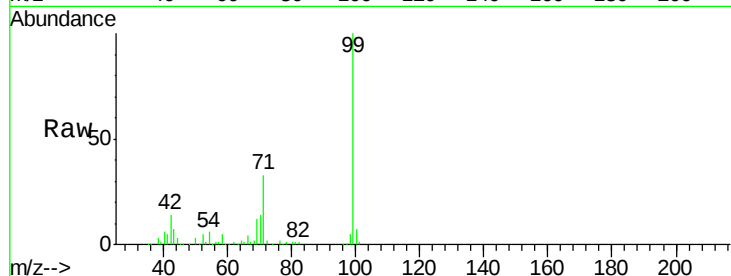
Tot Ion: 99 Resp: 338716

Ion Ratio Lower Upper

99 100

42 14.0 11.0 16.4

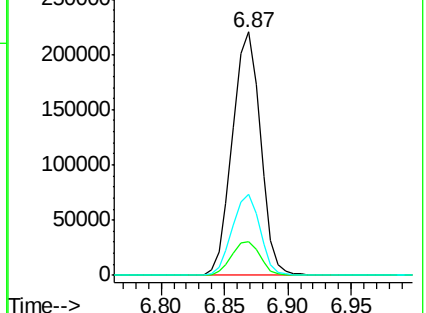
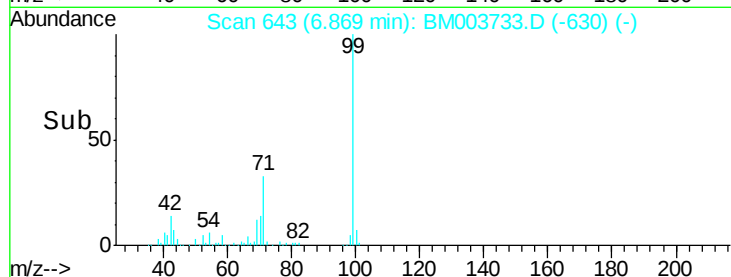
71 33.2 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BM003733.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM003733.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM003733.D (-630) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.48 min Scan# 1257

Delta R.T. -0.04 min

Lab File: BM003733.D

Acq: 23 Dec 2015 06:19

Tgt Ion: 136 Resp: 144274

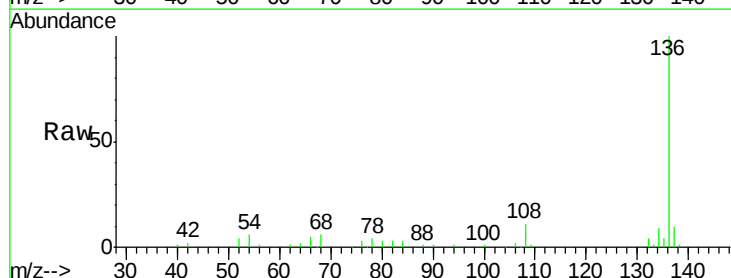
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 6.1 4.6 6.8

68 5.8 3.7 5.5#

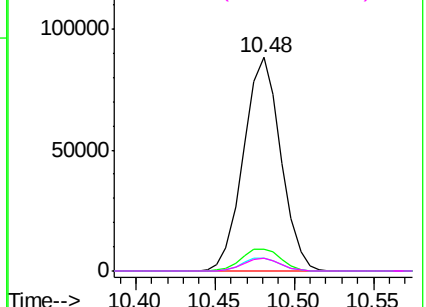
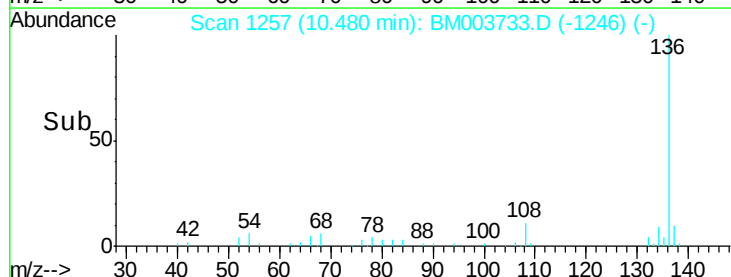


Abundance Ion 136.00 (135.70 to 136.70): BM003733.D (-1246) (-)

Ion 137.00 (136.70 to 137.70): BM003733.D (-1246) (-)

Ion 54.00 (53.70 to 54.70): BM003733.D (-1246) (-)

Ion 68.00 (67.70 to 68.70): BM003733.D (-1246) (-)

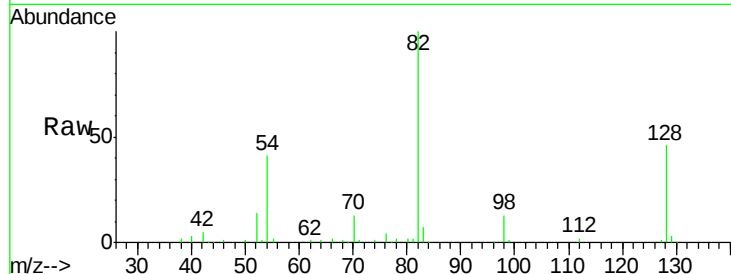




#23
 Nitrobenzene-d5
 Concen: 100.70 ng
 RT: 8.85 min Scan# 980
 Delta R.T. -0.03 min
 Lab File: BM003733.D
 Acq: 23 Dec 2015 06:19

Instrument :
 BNA_M
 ClientSampleId :
 LTCWC-03

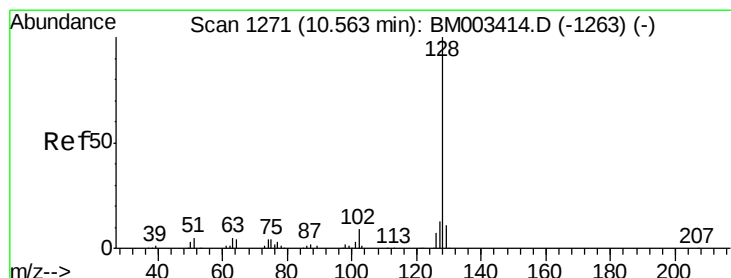
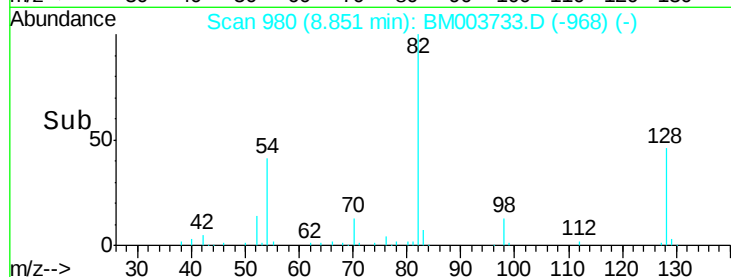
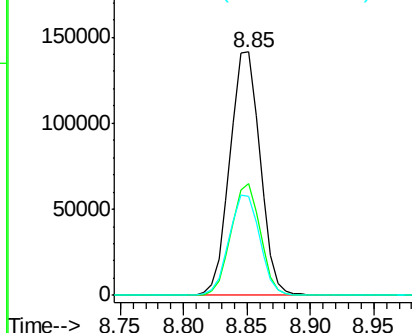
Tot Ion	82	Resp	234322
Ion Ratio	Lower	Upper	
82	100		
128	45.8	32.8	49.2
54	40.8	40.6	60.8



Abundance Ion 82.00 (81.70 to 82.70): BM003733.D (-968) (-)

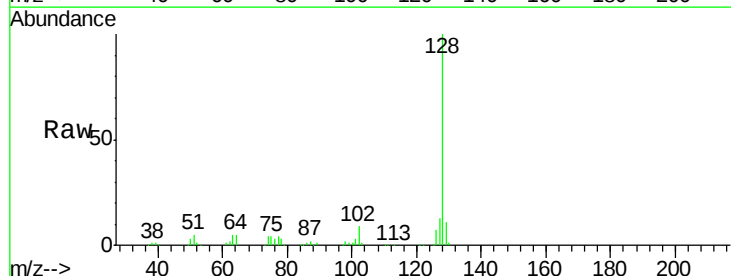
Ion 128.00 (127.70 to 128.70): BM003733.D (-968) (-)

Ion 54.00 (53.70 to 54.70): BM003733.D (-968) (-)



#31
 Naphthalene
 Concen: 99.35 ng
 RT: 10.53 min Scan# 1266
 Delta R.T. -0.03 min
 Lab File: BM003733.D
 Acq: 23 Dec 2015 06:19

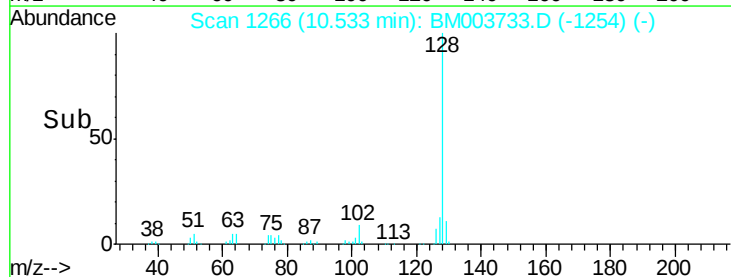
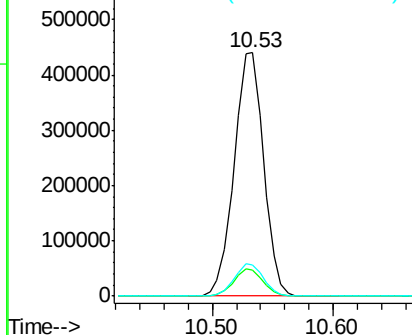
Tgt Ion	128	Resp	750045
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.9	13.3
127	12.9	10.4	15.6

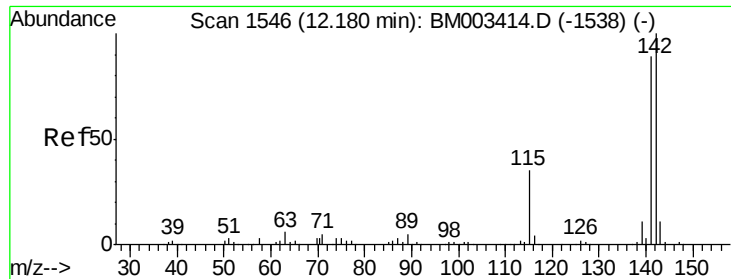


Abundance Ion 128.00 (127.70 to 128.70): BM003733.D (-1254) (-)

Ion 129.00 (128.70 to 129.70): BM003733.D (-1254) (-)

Ion 127.00 (126.70 to 127.70): BM003733.D (-1254) (-)

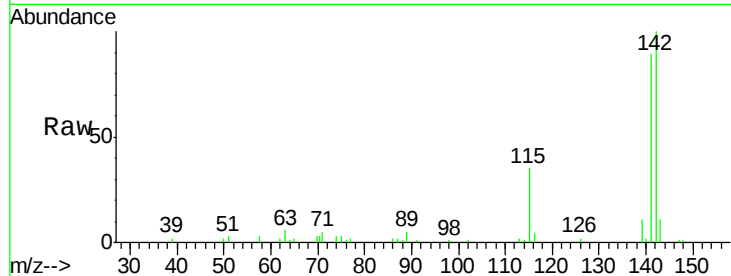




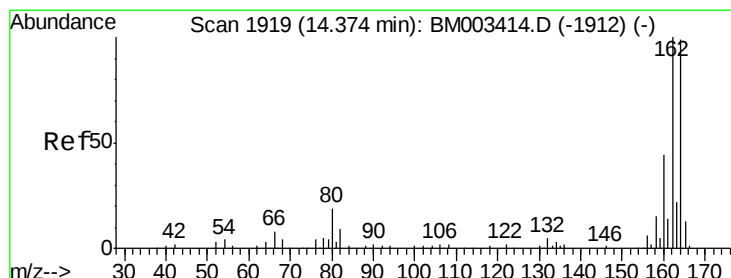
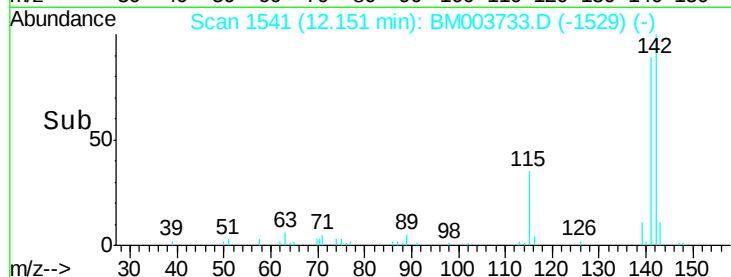
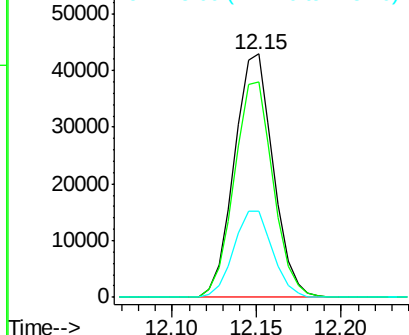
#37
2-Methylnaphthalene
Concen: 13.30 ng
RT: 12.15 min Scan# 1541
Delta R.T. -0.03 min
Lab File: BM003733.D
Acq: 23 Dec 2015 06:19

Instrument :
BNA_M
ClientSampleId :
LTCWC-03

Tot Ion:142 Resp: 68849
Ion Ratio Lower Upper
142 100
141 88.8 71.9 107.9
115 35.2 25.4 38.0

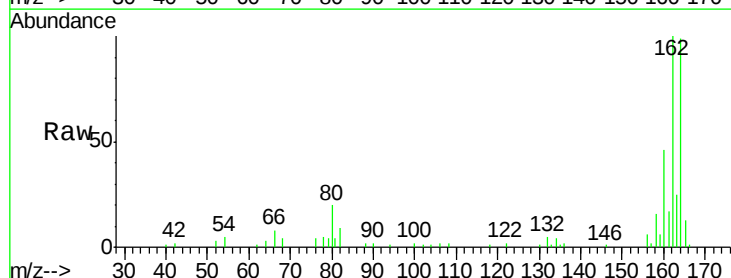


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

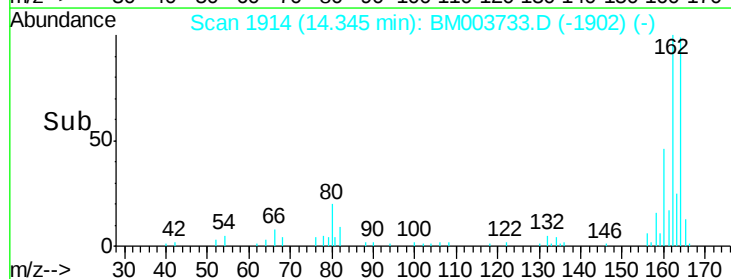
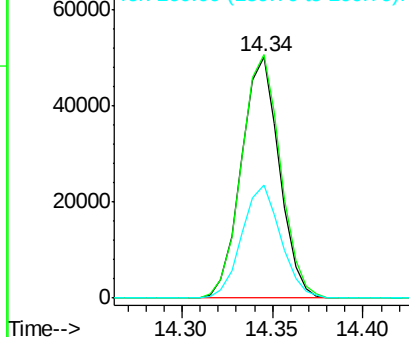


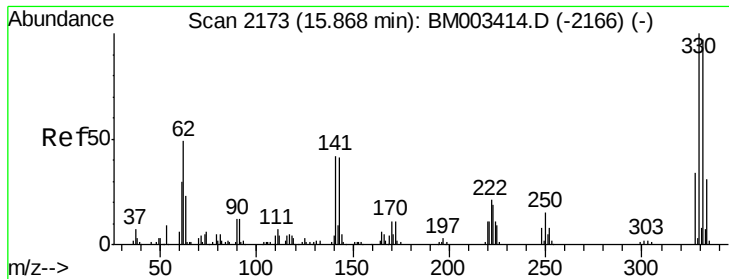
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.34 min Scan# 1914
Delta R.T. -0.03 min
Lab File: BM003733.D
Acq: 23 Dec 2015 06:19

Tgt Ion:164 Resp: 73057
Ion Ratio Lower Upper
164 100
162 100.9 82.4 123.6
160 46.7 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

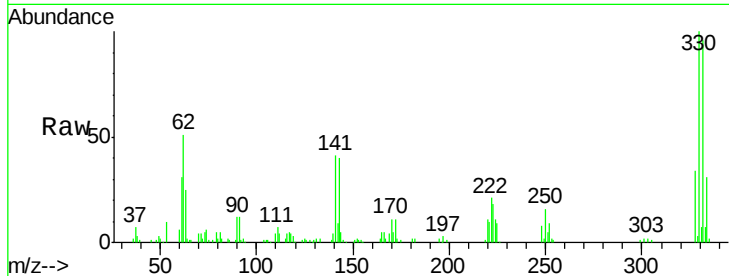




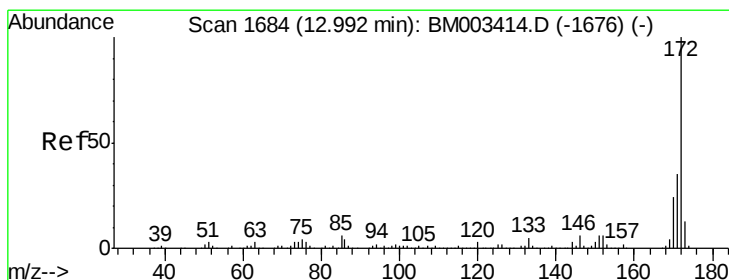
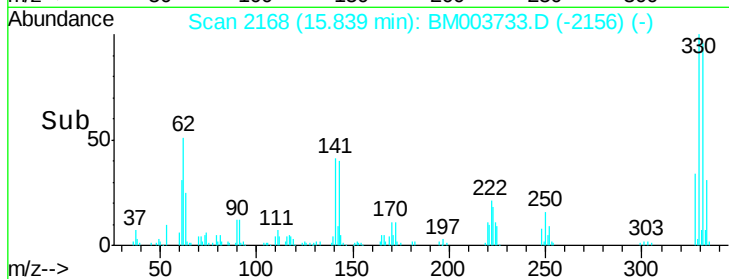
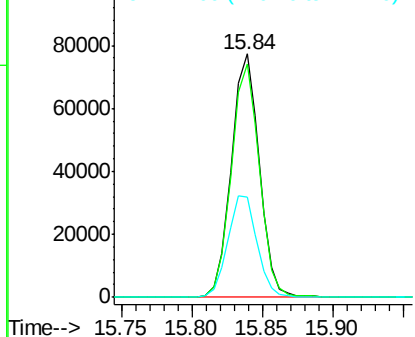
#41
 2,4,6-Tribromophenol
 Concen: 146.31 ng
 RT: 15.84 min Scan# 2168
 Delta R.T. -0.03 min
 Lab File: BM003733.D
 Acq: 23 Dec 2015 06:19

Instrument :
 BNA_M
 ClientSampleId :
 LTCWC-03

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	0.0	0.0#
141	43.4	0.0	0.0#

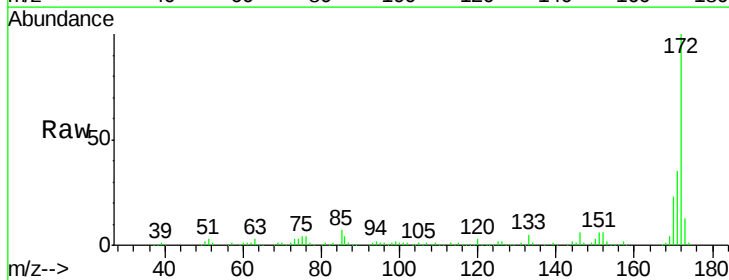


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

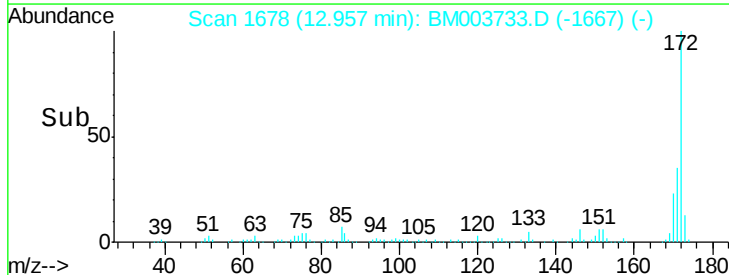
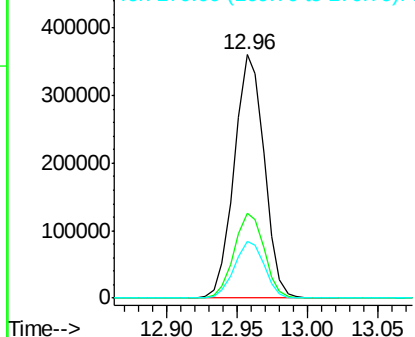


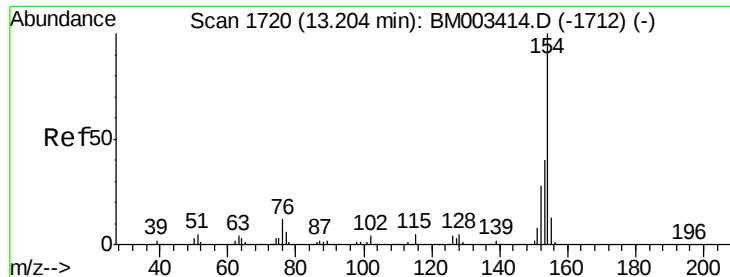
#44
 2-Fluorobiphenyl
 Concen: 99.46 ng
 RT: 12.96 min Scan# 1678
 Delta R.T. -0.04 min
 Lab File: BM003733.D
 Acq: 23 Dec 2015 06:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.5	42.7
170	23.5	18.8	28.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

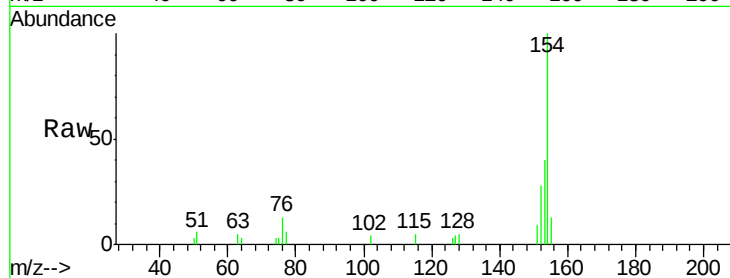




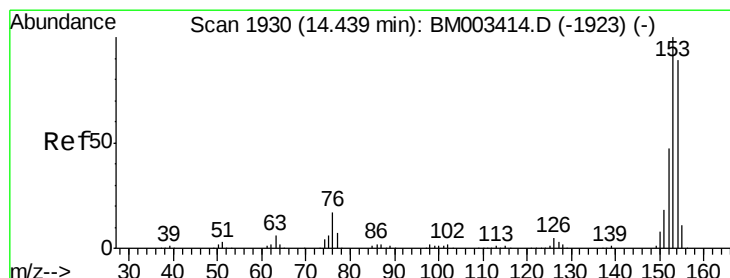
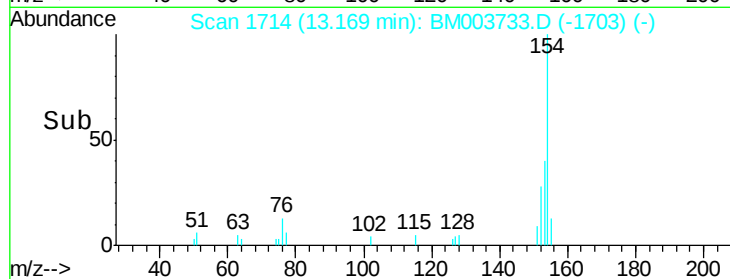
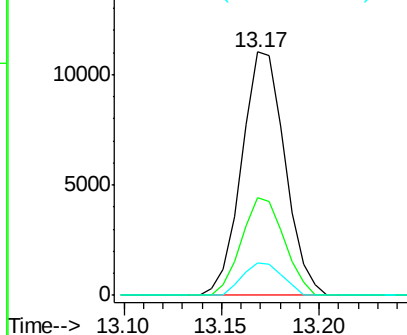
#45
 1,1'-Biphenyl
 Concen: 2.61 ng
 RT: 13.17 min Scan# 1714
 Delta R.T. -0.04 min
 Lab File: BM003733.D
 Acq: 23 Dec 2015 06:19

Instrument :
 BNA_M
 ClientSampleId :
 LTCWC-03

Tot Ion:154 Resp: 16926
 Ion Ratio Lower Upper
 154 100
 153 40.1 20.7 60.7
 76 13.1 0.0 30.9

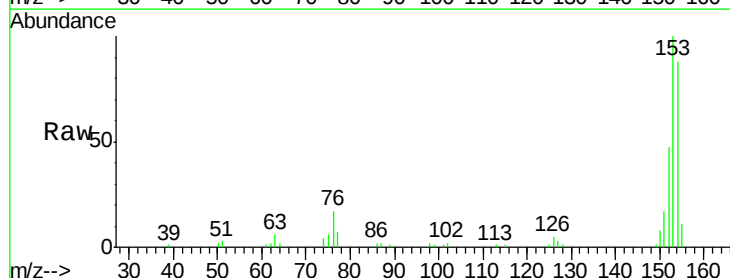


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

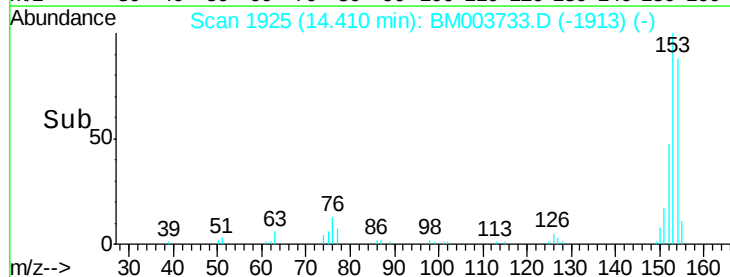
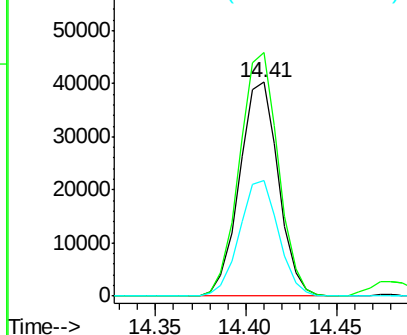


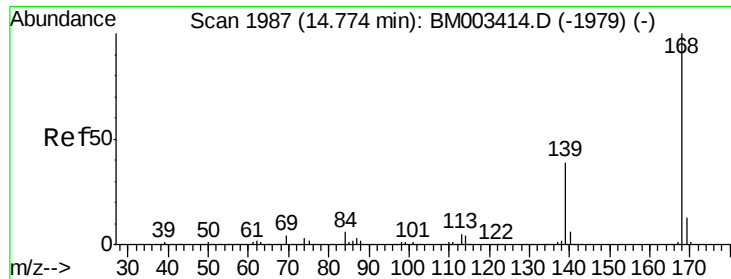
#51
 Acenaphthene
 Concen: 13.04 ng
 RT: 14.41 min Scan# 1925
 Delta R.T. -0.03 min
 Lab File: BM003733.D
 Acq: 23 Dec 2015 06:19

Tgt Ion:154 Resp: 59966
 Ion Ratio Lower Upper
 154 100
 153 113.9 90.0 135.0
 152 53.9 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

Dibenzenofuran

Concen: 8.51 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.03 min

Lab File: BM003733.D

Acq: 23 Dec 2015 06:19

Instrument :

BNA_M

ClientSampleId :

LTCWC-03

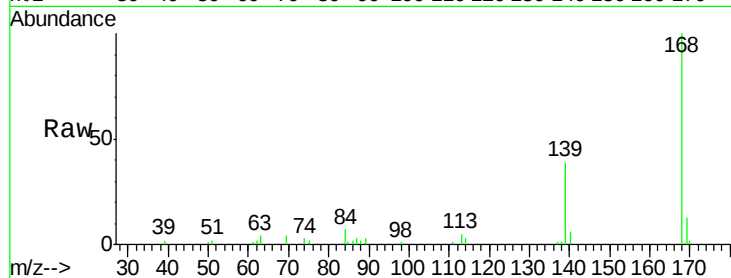
Tot Ion:168 Resp: 56524

Ion Ratio Lower Upper

168 100

139 39.4 27.3 40.9

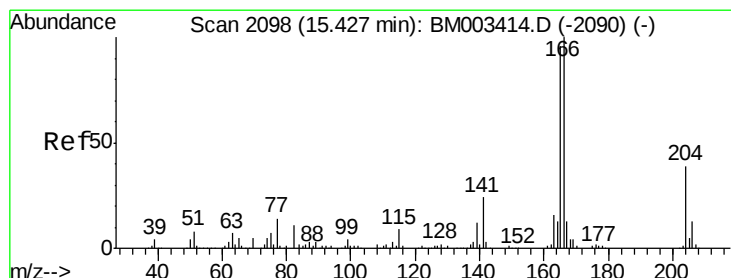
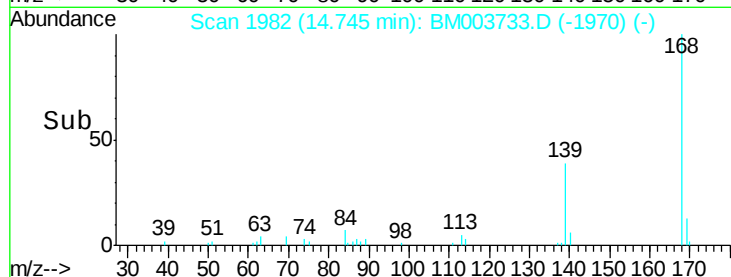
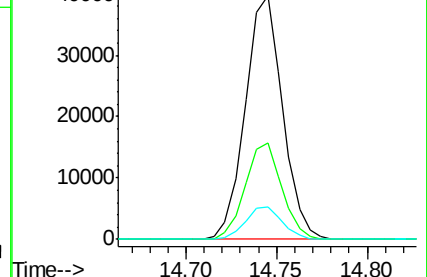
169 13.2 10.6 16.0



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: 8.31 ng

RT: 15.39 min Scan# 2092

Delta R.T. -0.04 min

Lab File: BM003733.D

Acq: 23 Dec 2015 06:19

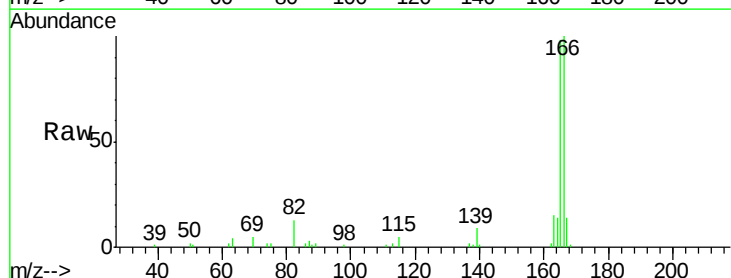
Tgt Ion:166 Resp: 45740

Ion Ratio Lower Upper

166 100

165 98.1 79.0 118.4

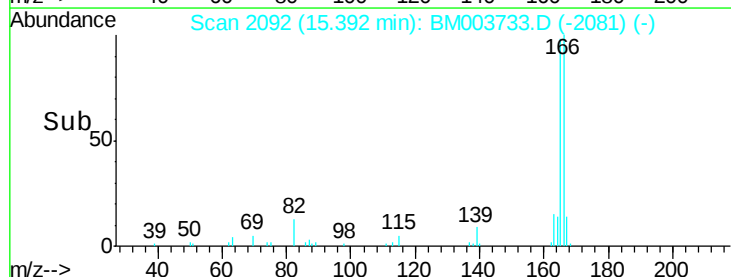
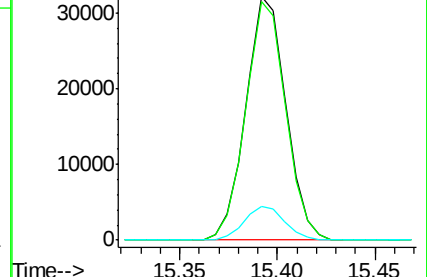
167 14.0 10.3 15.5

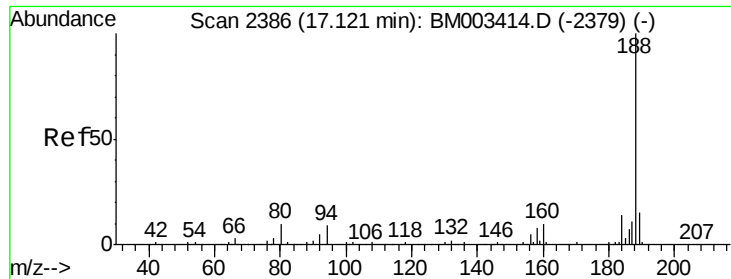


Abundance Ion 166.00 (165.70 to 166.70): E

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: BM003733.D

Acq: 23 Dec 2015 06:19

Instrument :

BNA_M

ClientSampleId :

LTCWC-03

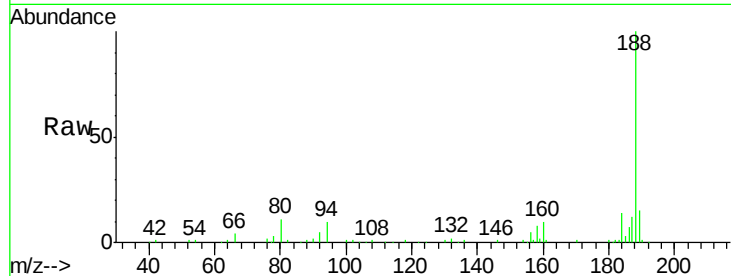
Tot Ion:188 Resp: 156002

Ion Ratio Lower Upper

188 100

94 9.6 8.7 13.1

80 11.0 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

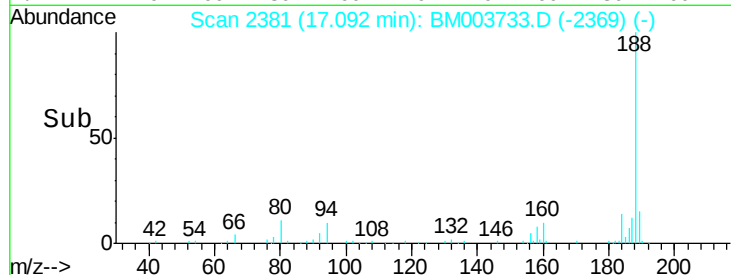
150000

100000

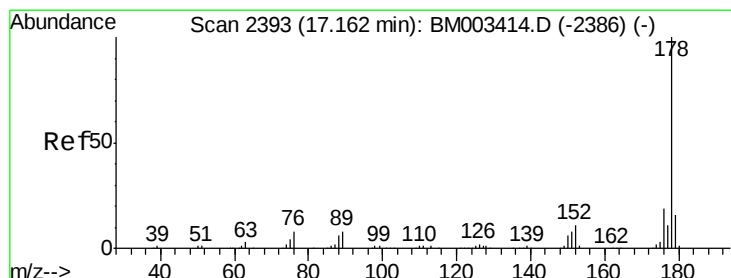
50000

0

17.05 17.10 17.15



Time-->



#70

Phenanthrene

Concen: 11.19 ng

RT: 17.13 min Scan# 2388

Delta R.T. -0.03 min

Lab File: BM003733.D

Acq: 23 Dec 2015 06:19

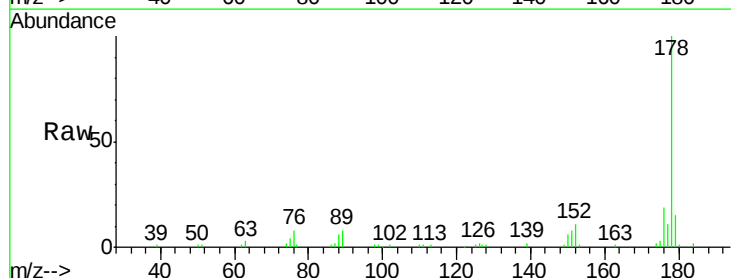
Tgt Ion:178 Resp: 97952

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

179 15.0 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

100000

80000

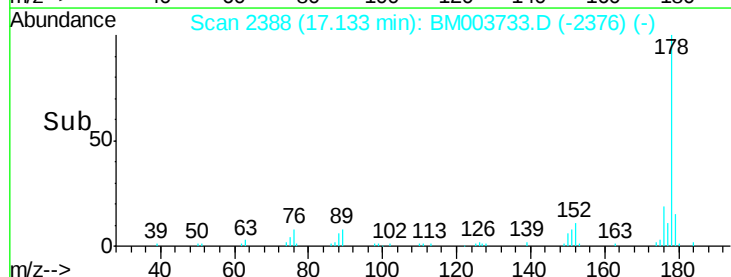
60000

40000

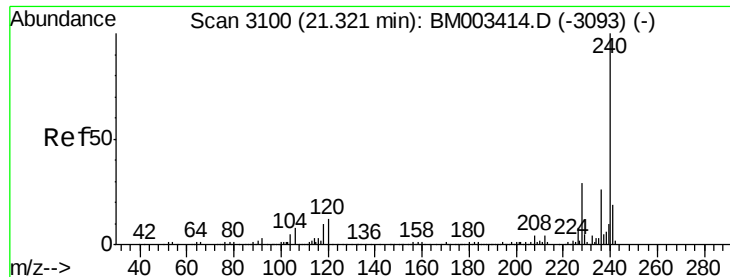
20000

0

17.10 17.15 17.20



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.29 min Scan# 3095

Delta R.T. -0.03 min

Lab File: BM003733.D

Acq: 23 Dec 2015 06:19

Instrument :

BNA_M

ClientSampleId :

LTCWC-03

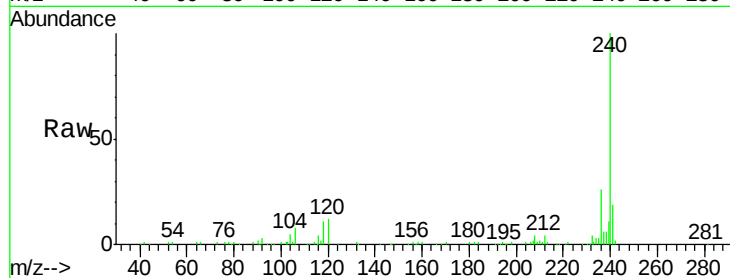
Tot Ion:240 Resp: 174136

Ion Ratio Lower Upper

240 100

120 12.1 8.2 12.2

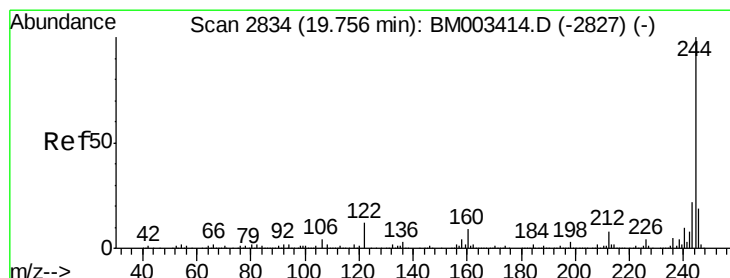
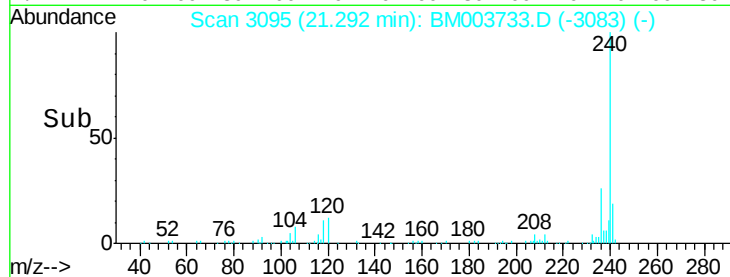
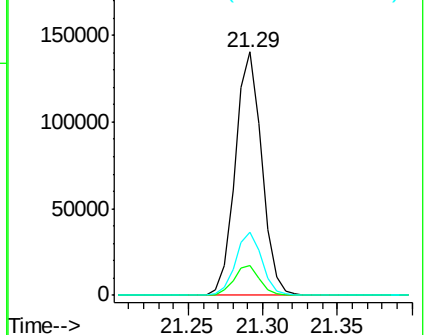
236 25.8 20.0 30.0



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: 85.82 ng

RT: 19.73 min Scan# 2829

Delta R.T. -0.03 min

Lab File: BM003733.D

Acq: 23 Dec 2015 06:19

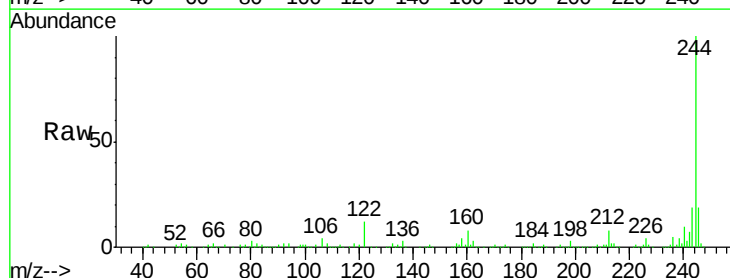
Tgt Ion:244 Resp: 633686

Ion Ratio Lower Upper

244 100

212 7.7 4.9 7.3#

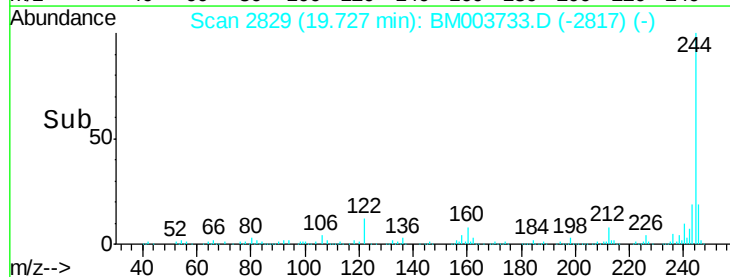
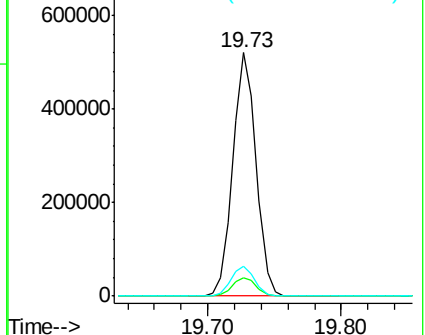
122 12.0 6.2 9.4#

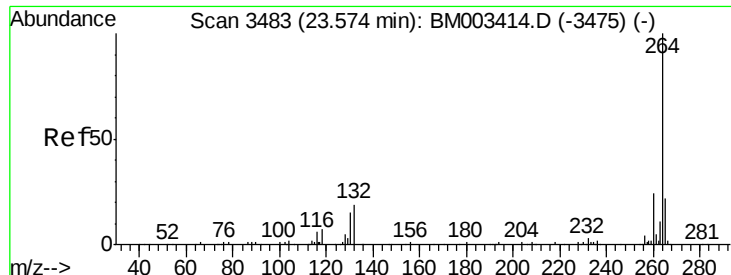


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.53 min Scan# 3476
Delta R.T. -0.04 min
Lab File: BM003733.D
Acq: 23 Dec 2015 06:19

Instrument :
BNA_M
ClientSampleId :
LTCWC-03

Tot Ion:	264	Resp:	186292
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.6	27.8
265	21.7	17.3	25.9

