

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083238.D
 Acq On : 24 Nov 2015 15:50
 Operator : UM/IZ
 Sample : G4503-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-7

Quant Time: Nov 24 17:09:41 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 24 15:18:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	174700	20.00	ng	-0.01
21) Naphthalene-d8	7.90	136	660726	20.00	ng	-0.01
38) Acenaphthene-d10	9.64	164	329640	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	621831	20.00	ng	0.00
75) Chrysene-d12	13.75	240	487116	20.00	ng	-0.01
86) Perylene-d12	15.11	264	373964	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	738367	63.90	ng	0.01
7) Phenol-d6	6.28	99	631000	42.20	ng	0.00
23) Nitrobenzene-d5	7.19	82	1498332	103.62	ng	0.00
41) 2,4,6-Tribromophenol	10.44	330	473717	140.47	ng	0.00
44) 2-Fluorobiphenyl	8.98	172	2026293	85.72	ng	-0.01
78) Terphenyl-d14	12.72	244	1906393	92.16	ng	0.00

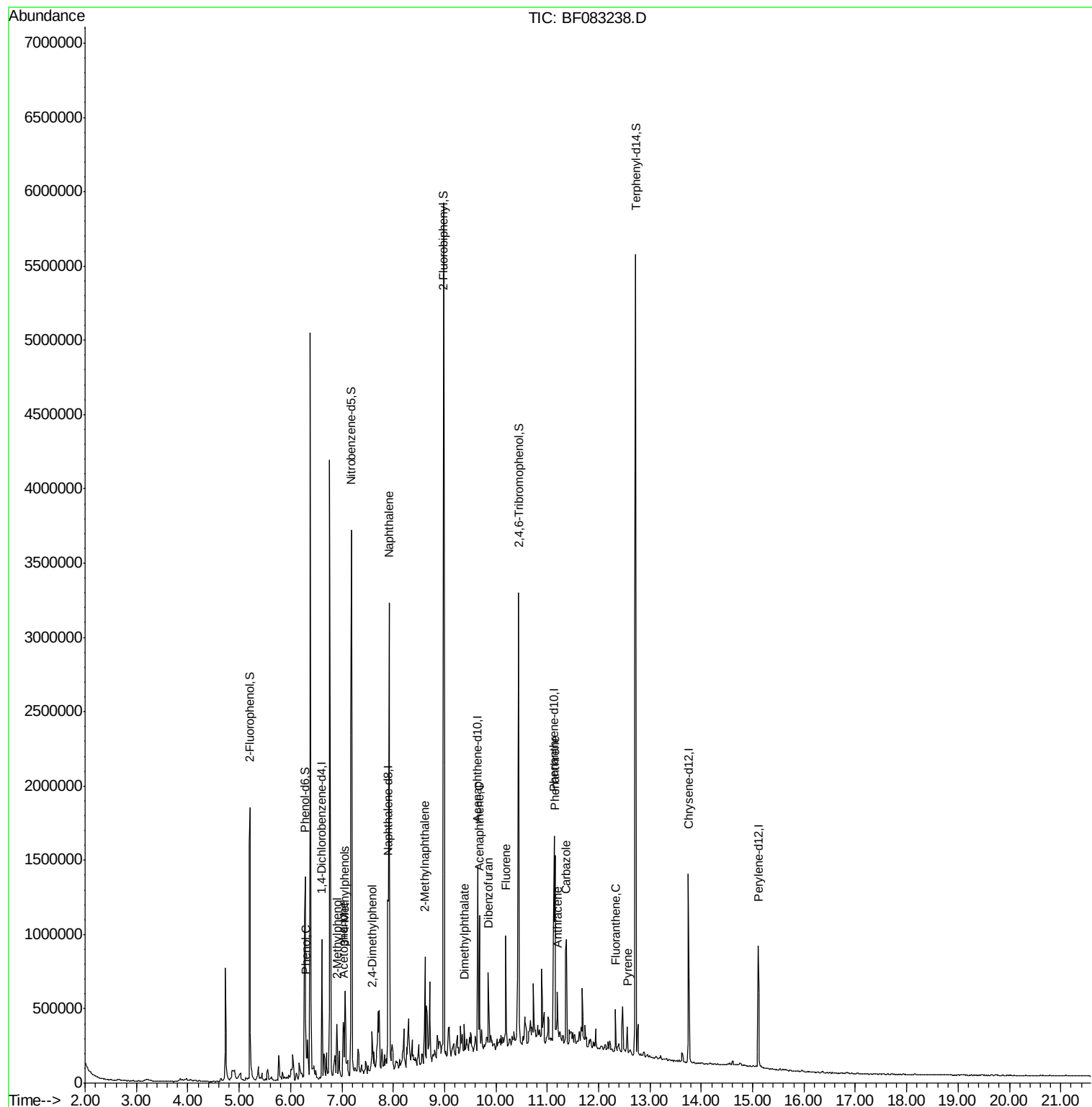
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.30	94	55307	3.06	ng	81
17) 2-Methylphenol	6.90	107	42745	4.14	ng	# 83
20) 3+4-Methylphenols	7.06	107	147353	11.28	ng	95
22) Acetophenone	7.03	105	54420	2.87	ng	# 94
27) 2,4-Dimethylphenol	7.59	122	59321	5.45	ng	90
31) Naphthalene	7.92	128	1604199	44.99	ng	98
37) 2-Methylnaphthalene	8.62	142	184260	7.96	ng	96
49) Dimethylphthalate	9.38	163	70410	2.77	ng	98
51) Acenaphthene	9.68	154	203000	9.77	ng	97
54) Dibenzofuran	9.85	168	208691	7.10	ng	97
57) Fluorene	10.19	166	198737	8.18	ng	99
70) Phenanthrene	11.15	178	591030	16.50	ng	98
71) Anthracene	11.20	178	111261	3.04	ng	97
72) Carbazole	11.37	167	412008	12.68	ng	97
74) Fluoranthene	12.33	202	117038	3.19	ng	99
77) Pyrene	12.56	202	79716	2.40	ng	97

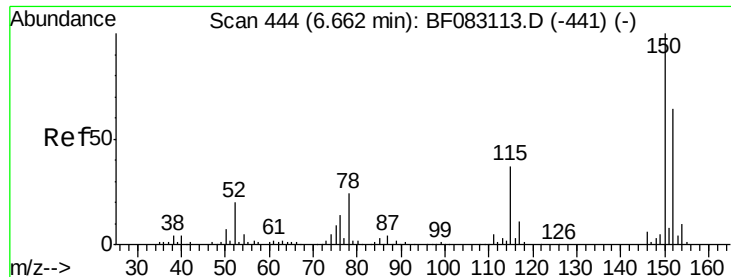
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 24 17:09:41 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 24 15:18:40 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 404

Delta R.T. -0.01 min

Lab File: BF083238.D

Acq: 24 Nov 2015 15:50

Instrument :

BNA_F

ClientSampleId :

MW-7

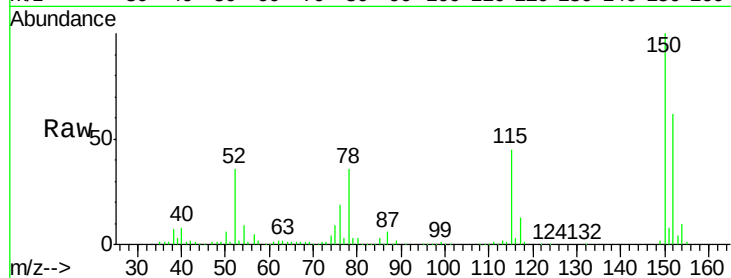
Tgt Ion:152 Resp: 174700

Ion Ratio Lower Upper

152 100

150 161.6 125.8 188.8

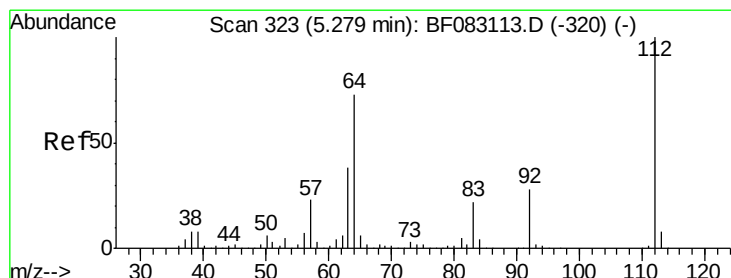
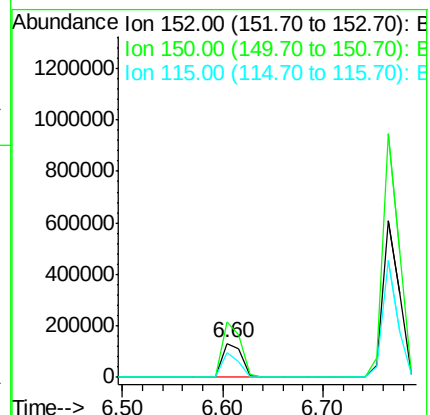
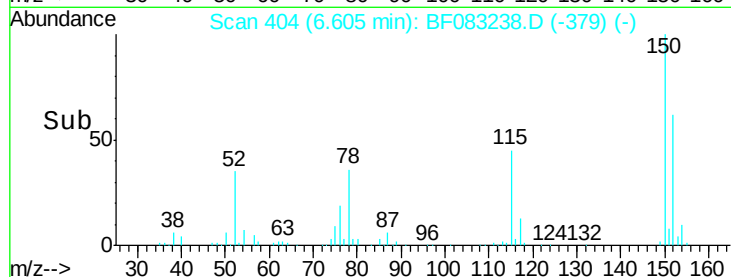
115 73.0 46.9 70.3#



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: 63.90 ng

RT: 5.21 min Scan# 282

Delta R.T. 0.01 min

Lab File: BF083238.D

Acq: 24 Nov 2015 15:50

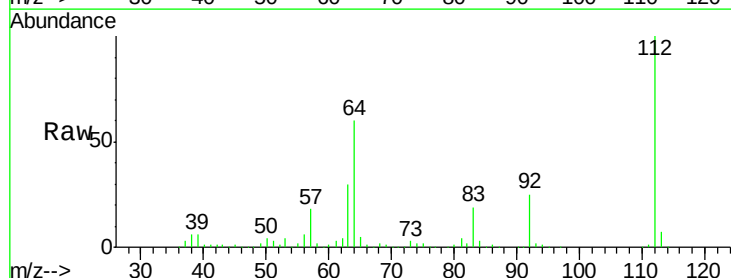
Tgt Ion:112 Resp: 738367

Ion Ratio Lower Upper

112 100

64 60.2 58.4 87.6

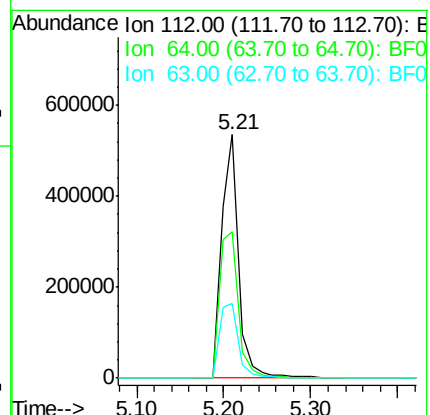
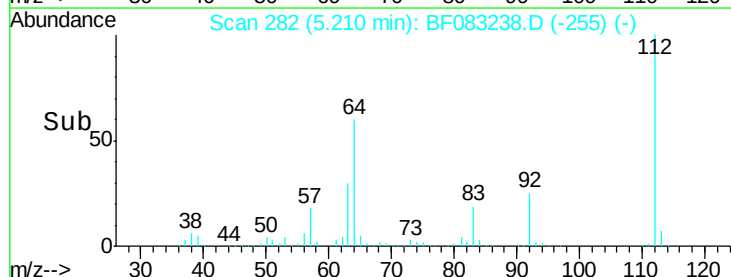
63 30.5 30.0 45.0

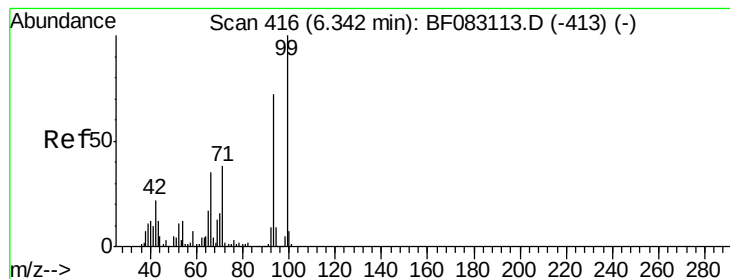


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.20 ng

RT: 6.28 min Scan# 376

Delta R.T. 0.00 min

Lab File: BF083238.D

Acq: 24 Nov 2015 15:50

Instrument :

BNA_F

ClientSampleId :

MW-7

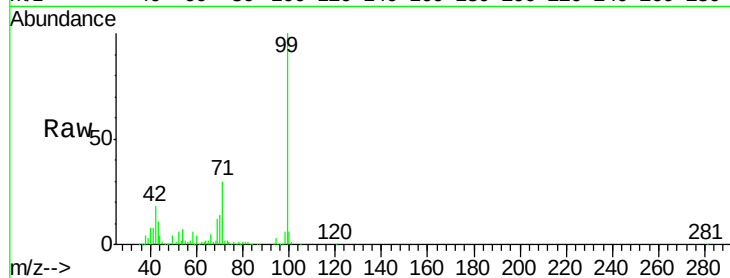
Tgt Ion: 99 Resp: 631000

Ion Ratio Lower Upper

99 100

42 18.0 17.7 26.5

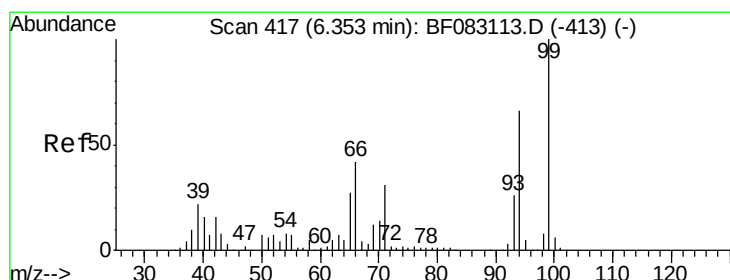
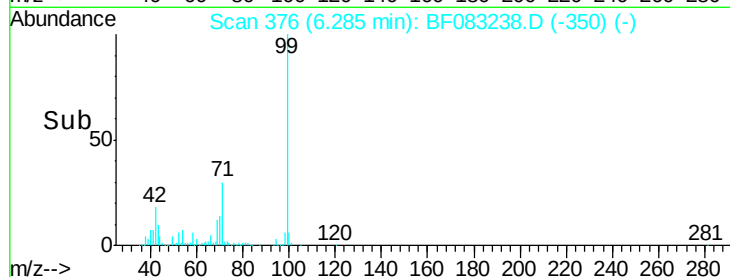
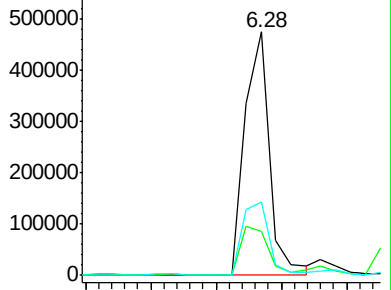
71 30.2 30.2 45.4#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.06 ng

RT: 6.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: BF083238.D

Acq: 24 Nov 2015 15:50

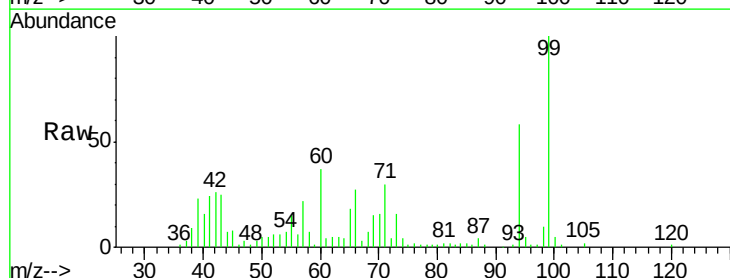
Tgt Ion: 94 Resp: 55307

Ion Ratio Lower Upper

94 100

65 31.2 21.1 61.1

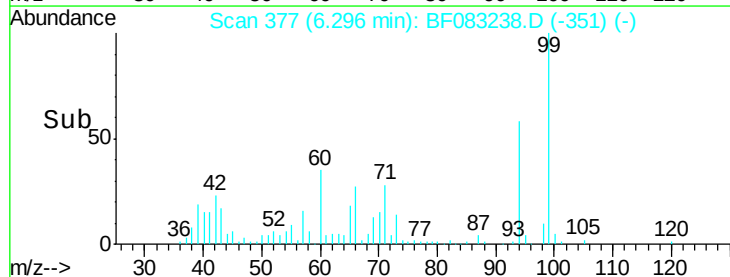
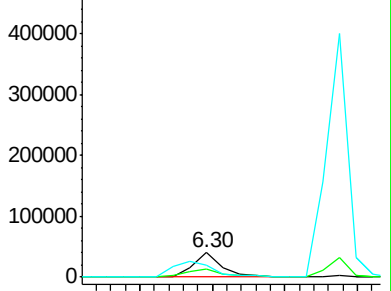
66 46.7 43.1 83.1

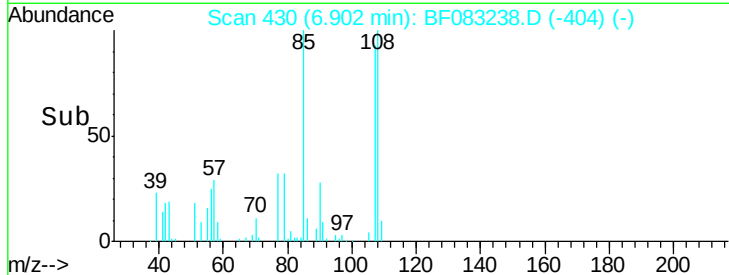
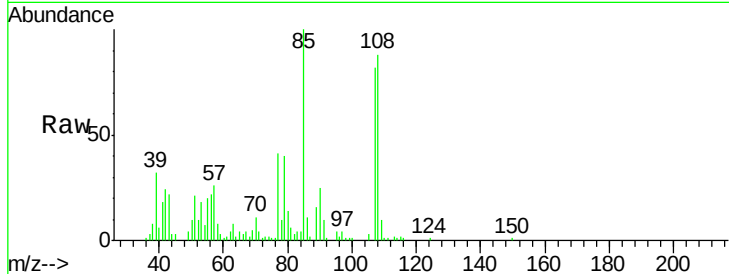
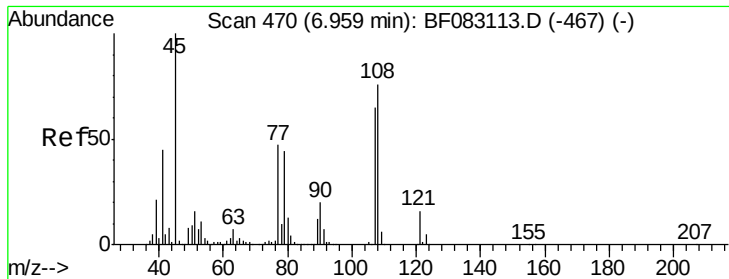


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#17

2-Methylphenol

Concen: 4.14 ng

RT: 6.90 min Scan# 430

Delta R.T. 0.00 min

Lab File: BF083238.D

Acq: 24 Nov 2015 15:50

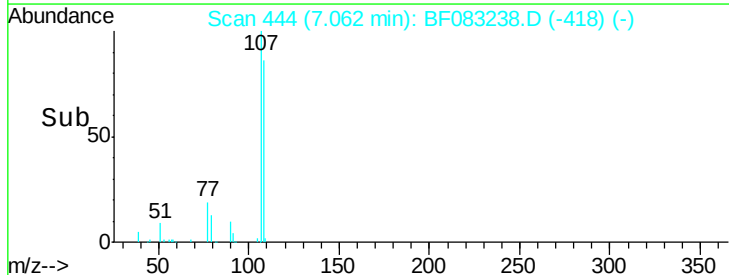
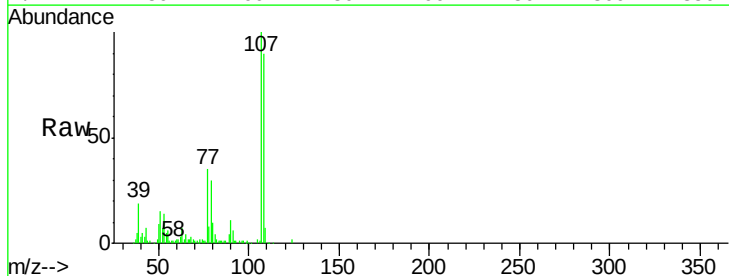
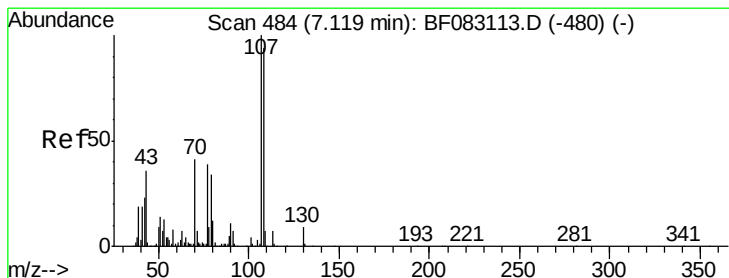
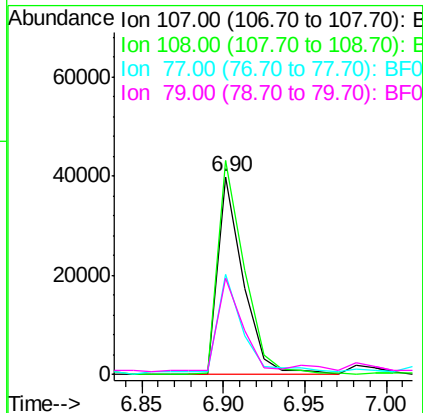
Instrument :

BNA_F

ClientSampleId :

MW-7

Tgt Ion:	107	Resp:	42745
Ion	Ratio	Lower	Upper
107	100		
108	108.1	93.8	140.6
77	50.6	57.4	86.0#
79	48.5	54.4	81.6#



#20

3+4-Methylphenols

Concen: 11.28 ng

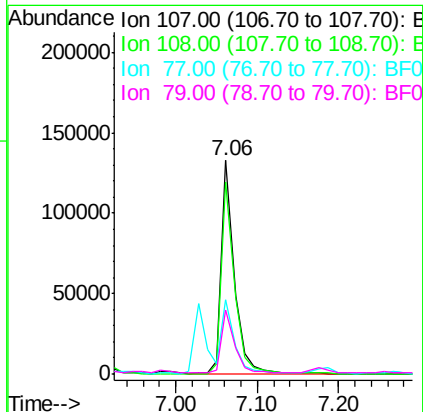
RT: 7.06 min Scan# 444

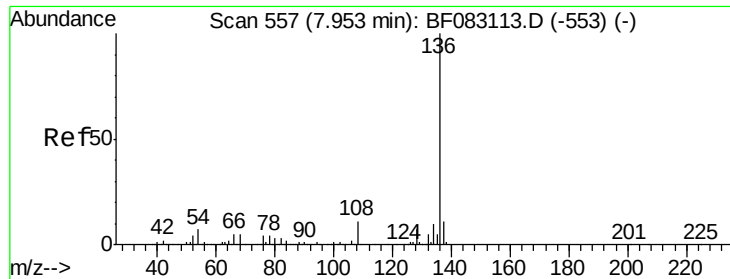
Delta R.T. 0.00 min

Lab File: BF083238.D

Acq: 24 Nov 2015 15:50

Tgt Ion:	107	Resp:	147353
Ion	Ratio	Lower	Upper
107	100		
108	89.7	73.8	113.8
77	35.0	19.1	59.1
79	29.7	13.7	53.7

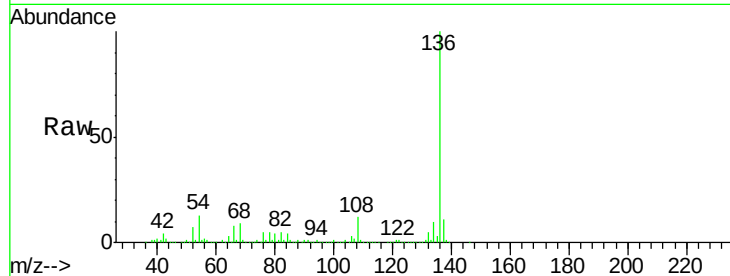




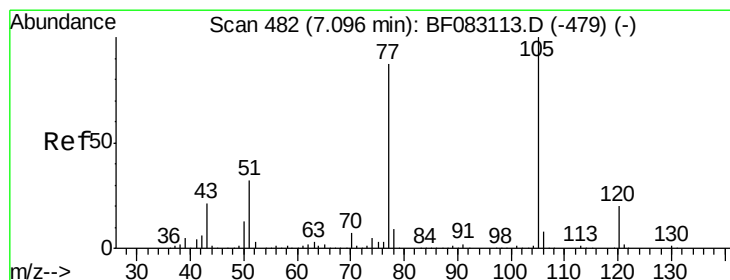
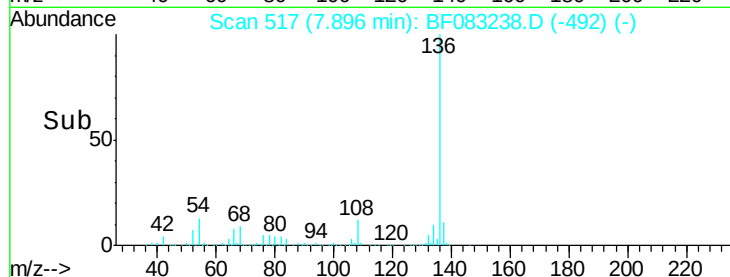
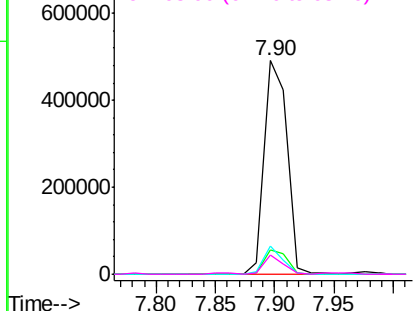
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF083238.D
Acq: 24 Nov 2015 15:50

Instrument :
BNA_F
ClientSampleId :
MW-7

Tgt Ion:	136	Resp:	660726
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	13.2	5.8	8.6#
68	9.2	3.8	5.8#

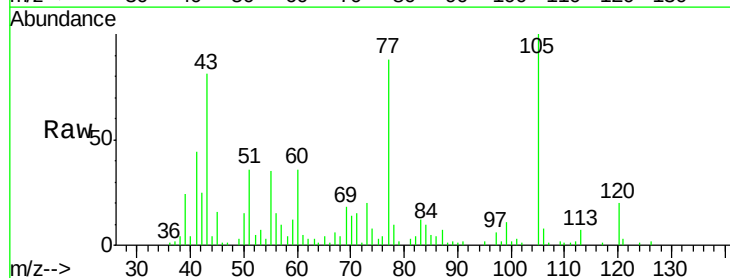


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

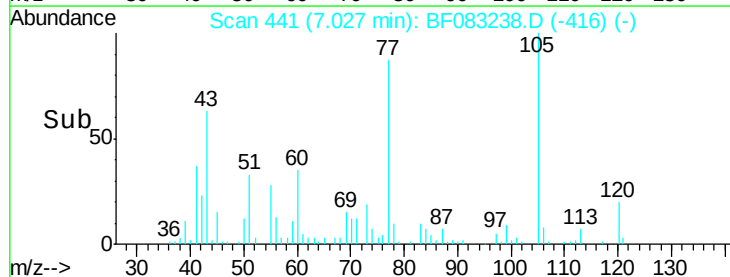
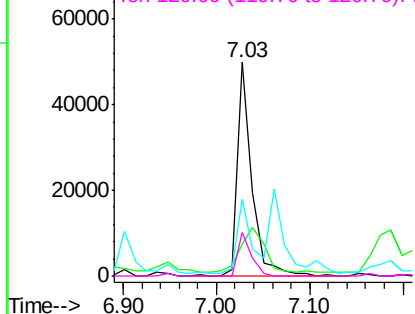


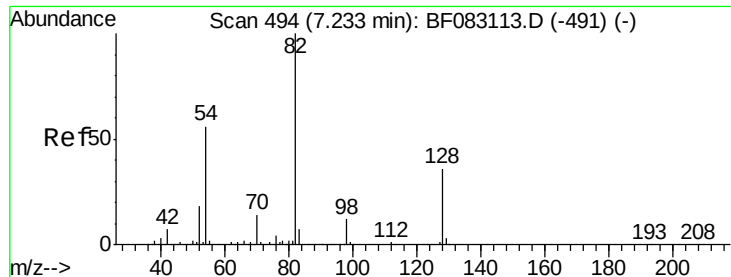
#22
Acetophenone
Concen: 2.87 ng
RT: 7.03 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF083238.D
Acq: 24 Nov 2015 15:50

Tgt Ion:	105	Resp:	54420
Ion	Ratio	Lower	Upper
105	100		
71	14.9	1.0	1.4#
51	36.1	25.6	38.4
120	20.2	15.8	23.6



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

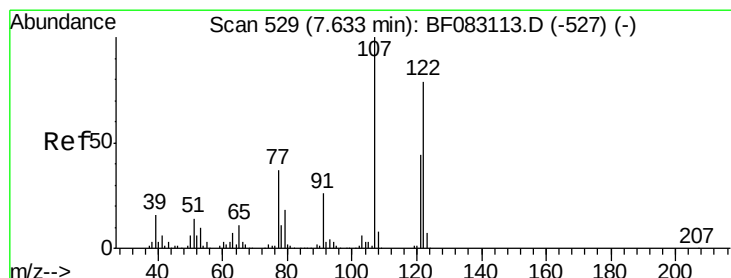
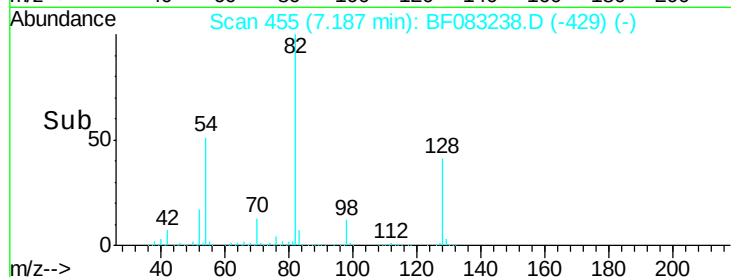
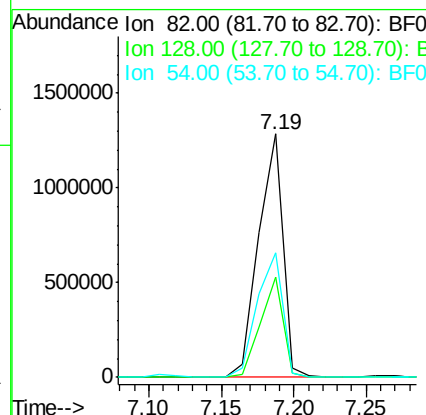
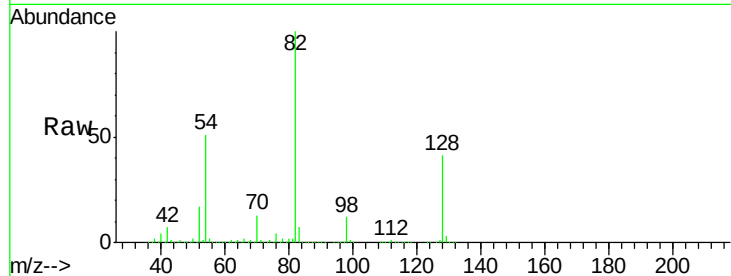




#23
 Nitrobenzene-d5
 Concen: 103.62 ng
 RT: 7.19 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: BF083238.D
 Acq: 24 Nov 2015 15:50

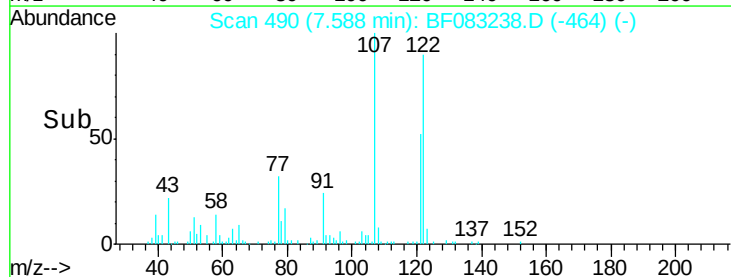
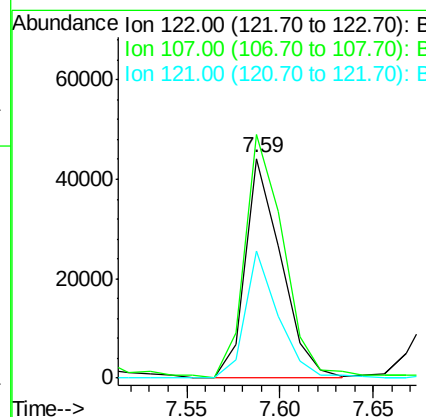
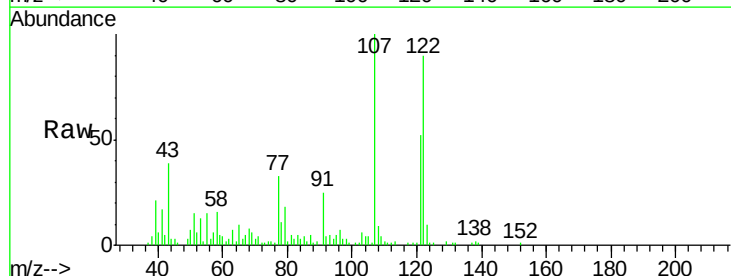
Instrument :
 BNA_F
 ClientSampleId :
 MW-7

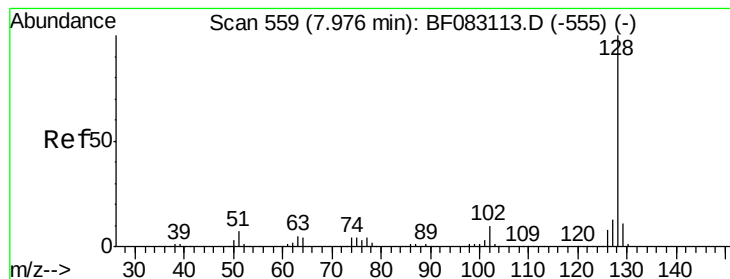
Tgt Ion: 82 Resp: 1498332
 Ion Ratio Lower Upper
 82 100
 128 41.2 28.5 42.7
 54 51.2 44.6 67.0



#27
 2,4-Dimethylphenol
 Concen: 5.45 ng
 RT: 7.59 min Scan# 490
 Delta R.T. 0.00 min
 Lab File: BF083238.D
 Acq: 24 Nov 2015 15:50

Tgt Ion: 122 Resp: 59321
 Ion Ratio Lower Upper
 122 100
 107 110.8 101.1 151.7
 121 58.0 44.9 67.3





#31

Naphthalene

Concen: 44.99 ng

RT: 7.92 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF083238.D

Acq: 24 Nov 2015 15:50

Instrument :

BNA_F

ClientSampleId :

MW-7

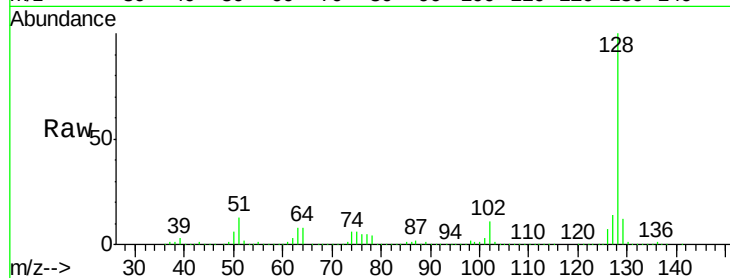
Tgt Ion:128 Resp: 1604199

Ion Ratio Lower Upper

128 100

129 12.1 9.0 13.4

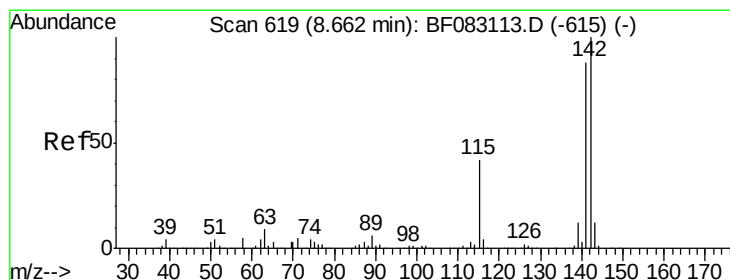
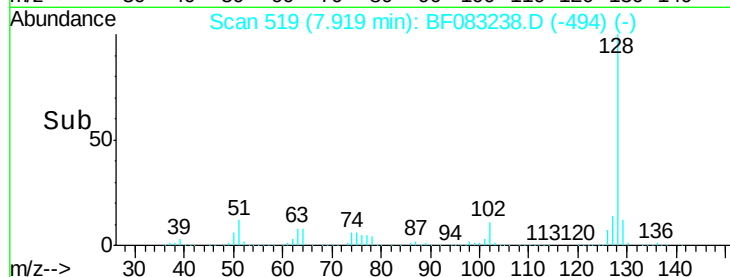
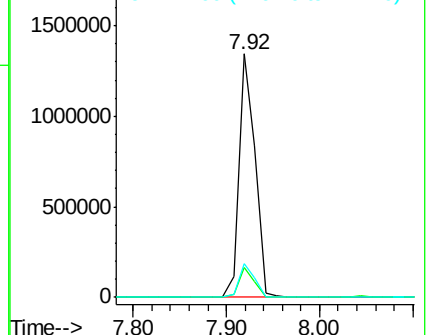
127 13.7 10.6 15.8



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



#37

2-Methylnaphthalene

Concen: 7.96 ng

RT: 8.62 min Scan# 580

Delta R.T. 0.00 min

Lab File: BF083238.D

Acq: 24 Nov 2015 15:50

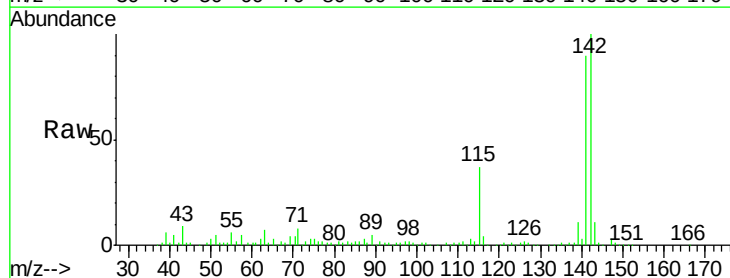
Tgt Ion:142 Resp: 184260

Ion Ratio Lower Upper

142 100

141 89.6 70.3 105.5

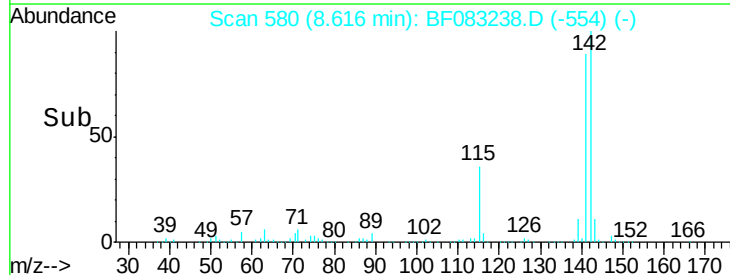
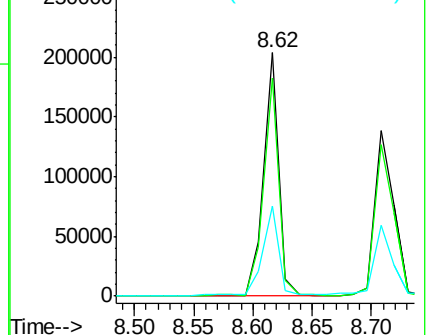
115 36.8 33.4 50.2

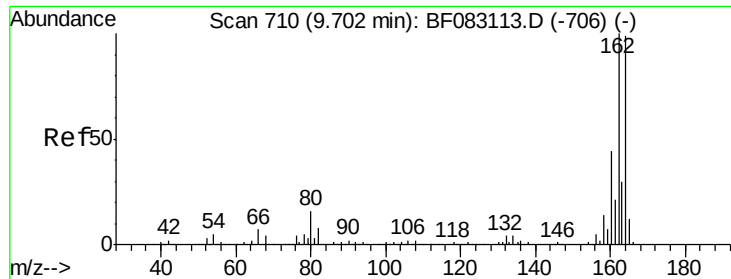


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

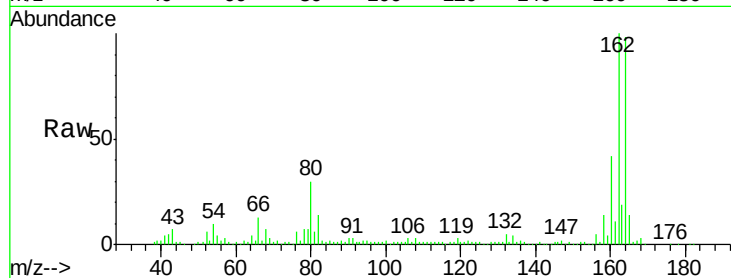




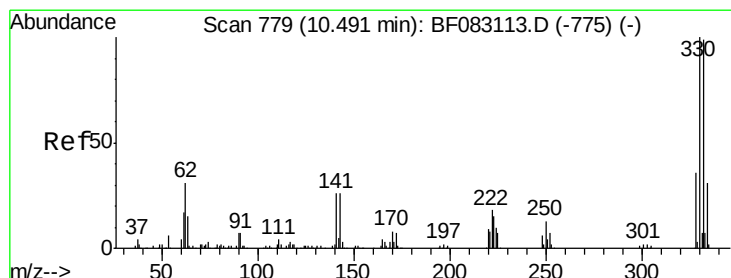
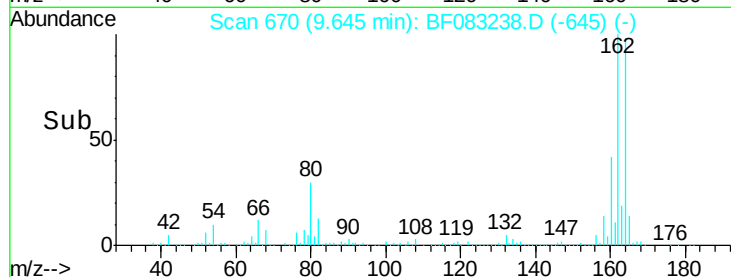
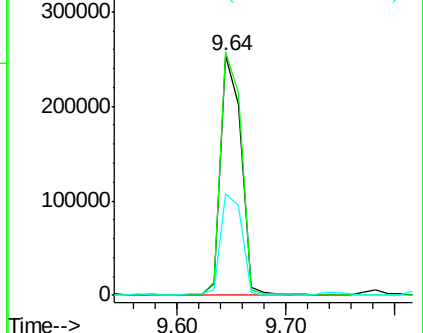
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 670
 Delta R.T. -0.01 min
 Lab File: BF083238.D
 Acq: 24 Nov 2015 15:50

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 MW-7

Tgt Ion:164 Resp: 329640
 Ion Ratio Lower Upper
 164 100
 162 101.7 81.2 121.8
 160 42.3 35.6 53.4

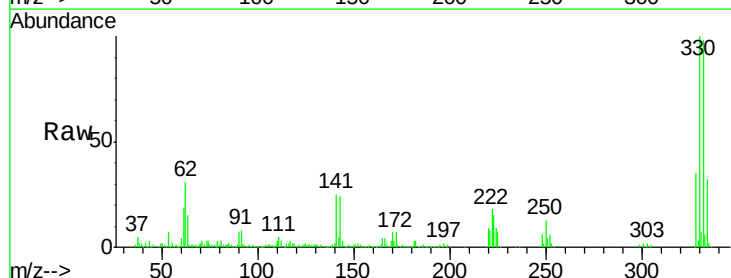


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

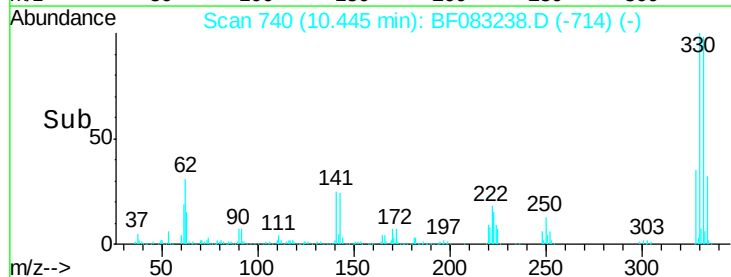
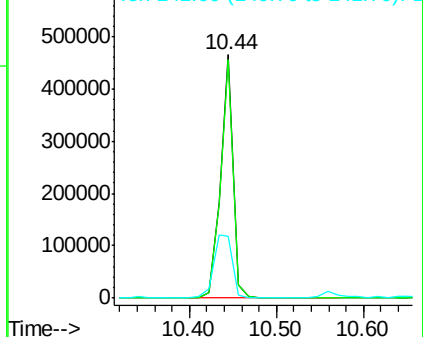


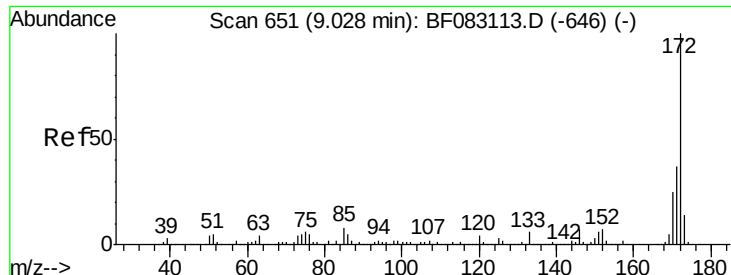
#41
 2,4,6-Tribromophenol
 Concen: 140.47 ng
 RT: 10.44 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BF083238.D
 Acq: 24 Nov 2015 15:50

Tgt Ion:330 Resp: 473717
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.7 116.5
 141 38.0 29.7 44.5



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

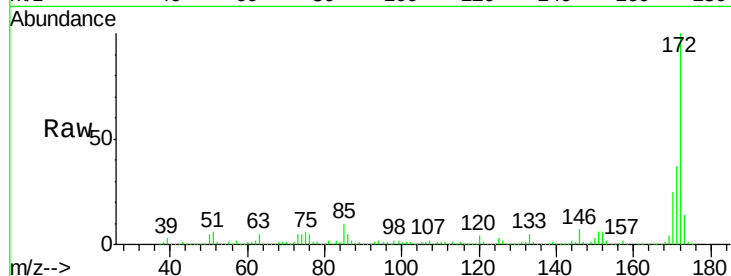




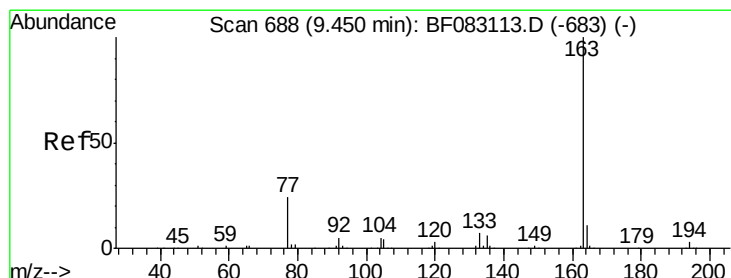
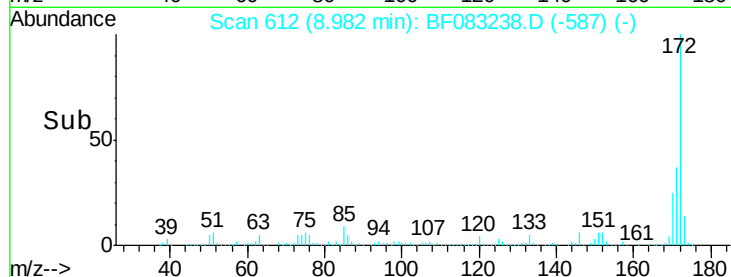
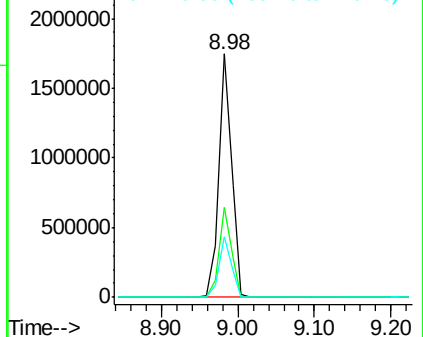
#44
2-Fluorobiphenyl
Concen: 85.72 ng
RT: 8.98 min Scan# 612
Delta R.T. -0.01 min
Lab File: BF083238.D
Acq: 24 Nov 2015 15:50

Instrument :
BNA_F
ClientSampleId :
MW-7

Tgt Ion:172 Resp: 2026293
Ion Ratio Lower Upper
172 100
171 36.8 29.5 44.3
170 25.0 19.9 29.9

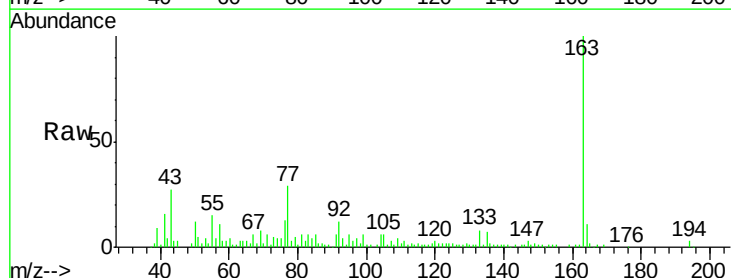


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

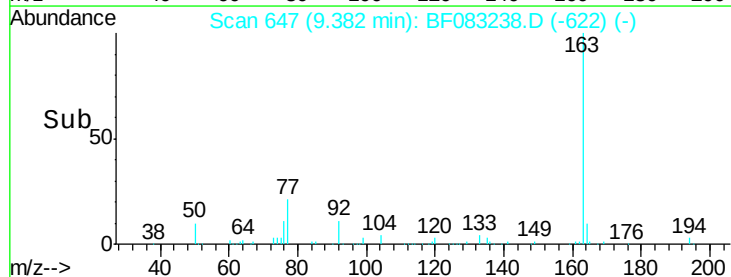
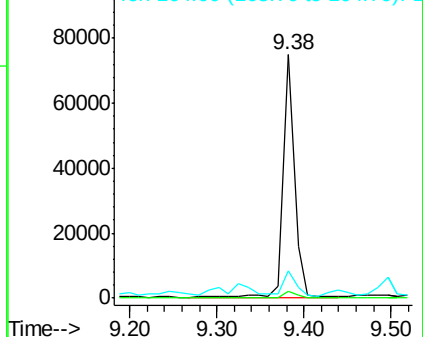


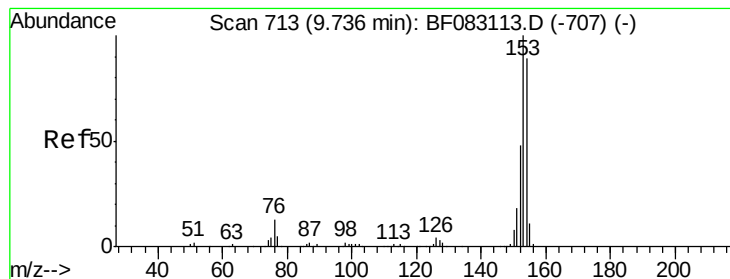
#49
Dimethylphthalate
Concen: 2.77 ng
RT: 9.38 min Scan# 647
Delta R.T. -0.01 min
Lab File: BF083238.D
Acq: 24 Nov 2015 15:50

Tgt Ion:163 Resp: 70410
Ion Ratio Lower Upper
163 100
194 2.8 2.6 4.0
164 11.4 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 9.77 ng

RT: 9.68 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF083238.D

Acq: 24 Nov 2015 15:50

Instrument :

BNA_F

ClientSampleId :

MW-7

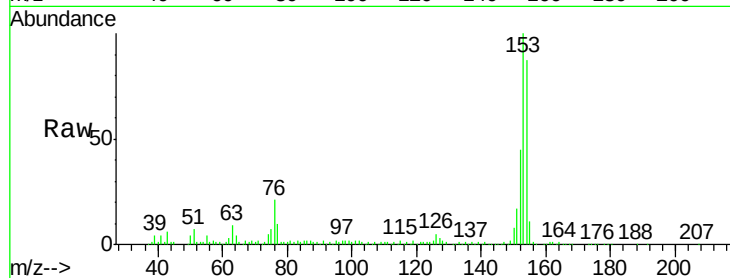
Tgt Ion:154 Resp: 203000

Ion Ratio Lower Upper

154 100

153 115.1 89.6 134.4

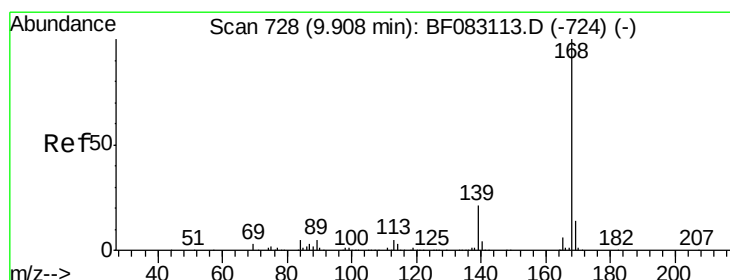
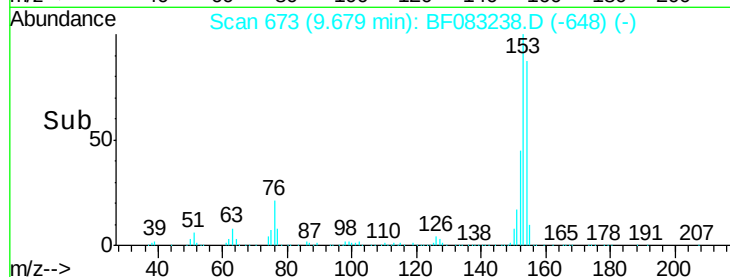
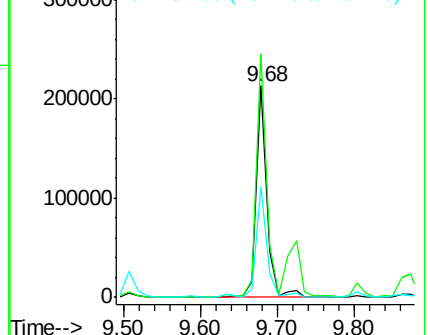
152 52.1 43.3 64.9



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: 7.10 ng

RT: 9.85 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF083238.D

Acq: 24 Nov 2015 15:50

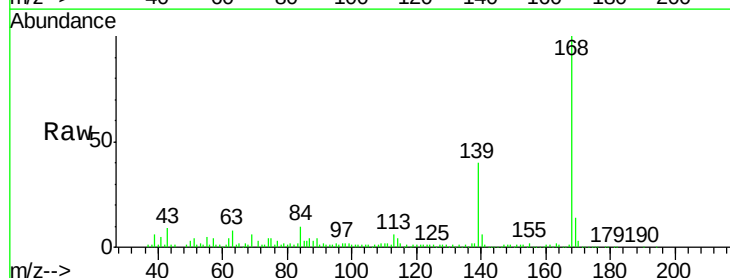
Tgt Ion:168 Resp: 208691

Ion Ratio Lower Upper

168 100

139 40.2 30.2 45.2

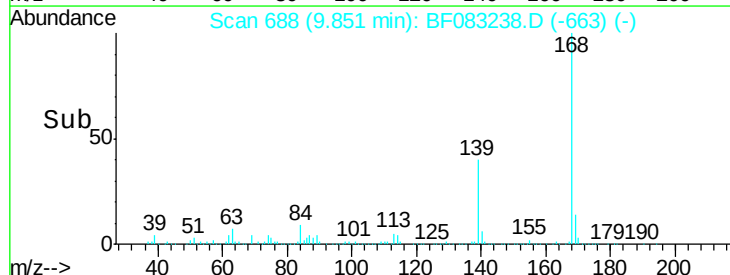
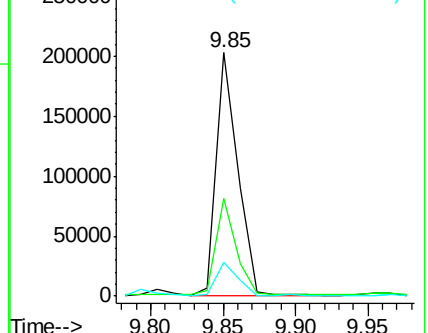
169 13.7 10.9 16.3

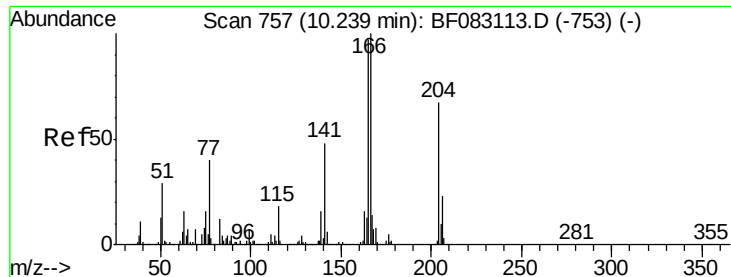


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

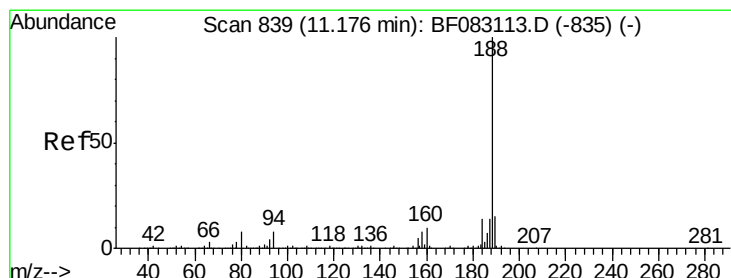
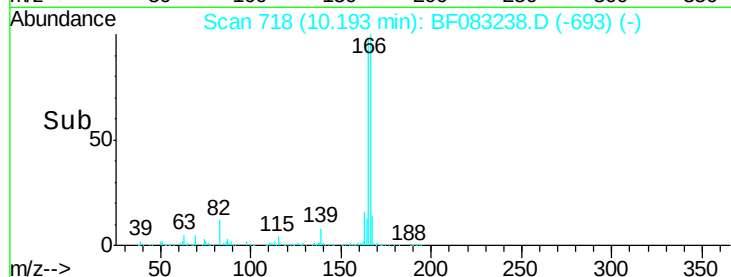
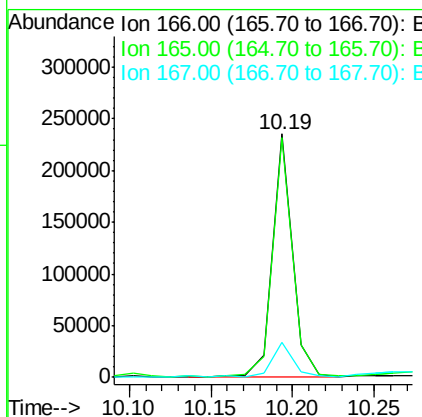
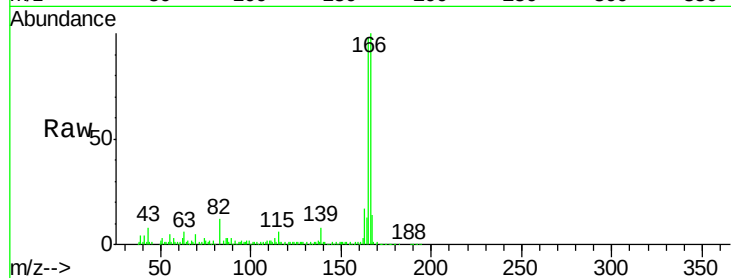




#57
 Fluorene
 Concen: 8.18 ng
 RT: 10.19 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: BF083238.D
 Acq: 24 Nov 2015 15:50

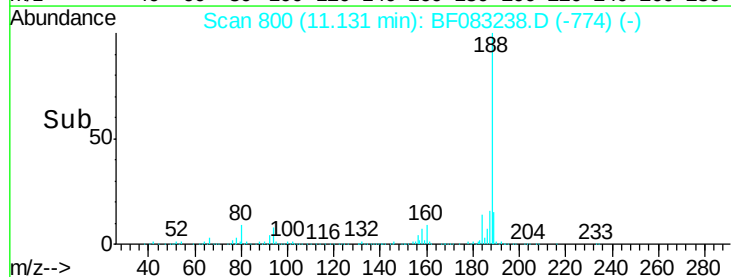
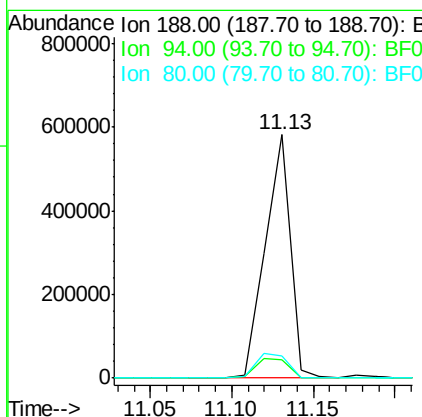
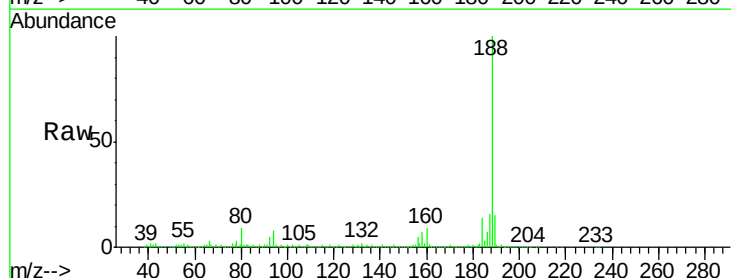
Instrument :
 BNA_F
 ClientSampleId :
 MW-7

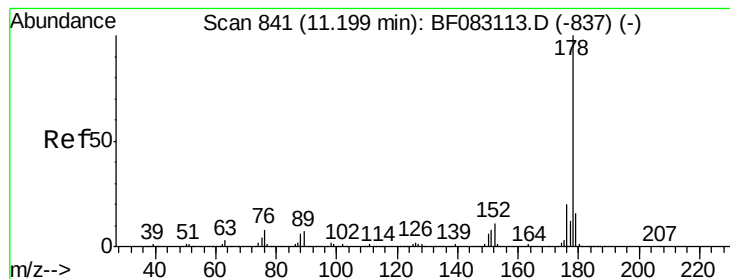
Tgt Ion	Resp	Lower	Upper
166	198737		
165	98.4	78.0	117.0
167	14.3	11.3	16.9



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF083238.D
 Acq: 24 Nov 2015 15:50

Tgt Ion	Resp	Lower	Upper
188	621831		
94	7.8	6.0	9.0
80	8.9	6.7	10.1





#70

Phenanthrene

Concen: 16.50 ng

RT: 11.15 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF083238.D

Acq: 24 Nov 2015 15:50

Instrument :

BNA_F

ClientSampleId :

MW-7

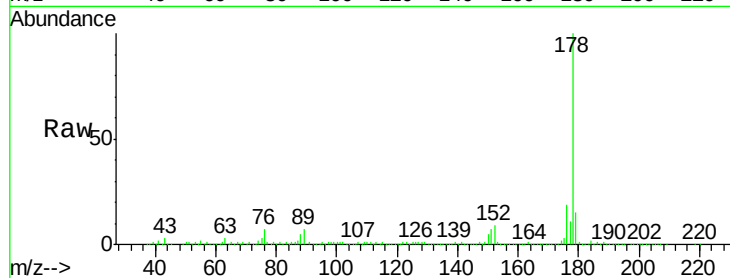
Tgt Ion:178 Resp: 591030

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.2

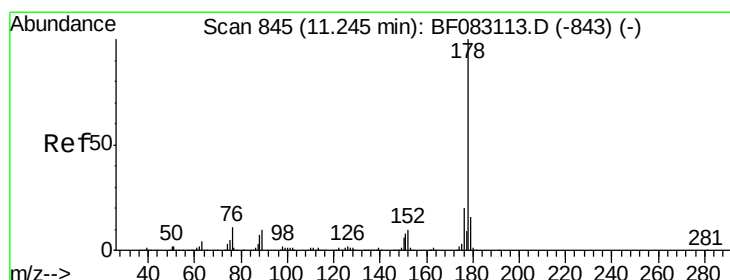
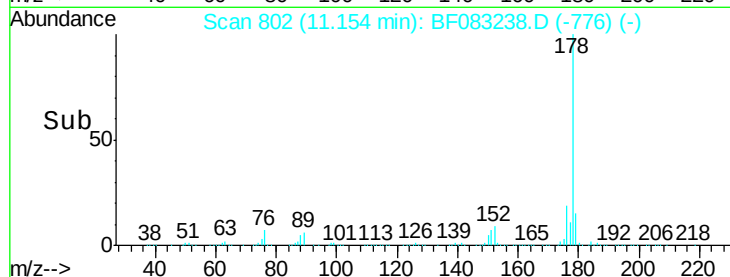
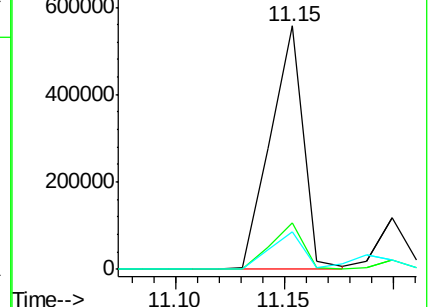
179 15.2 12.8 19.2



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



#71

Anthracene

Concen: 3.04 ng

RT: 11.20 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF083238.D

Acq: 24 Nov 2015 15:50

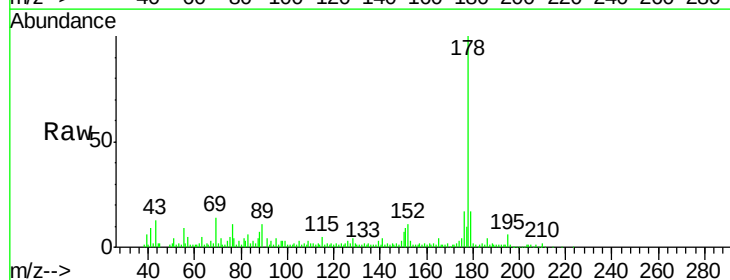
Tgt Ion:178 Resp: 111261

Ion Ratio Lower Upper

178 100

176 17.5 15.6 23.4

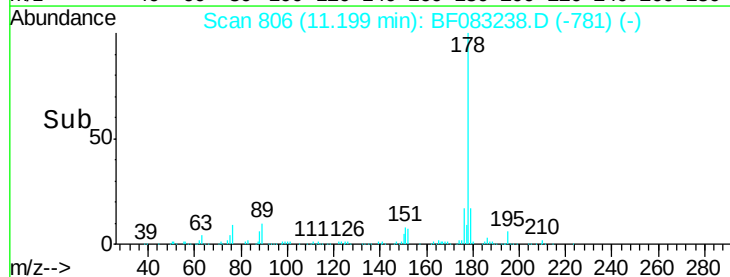
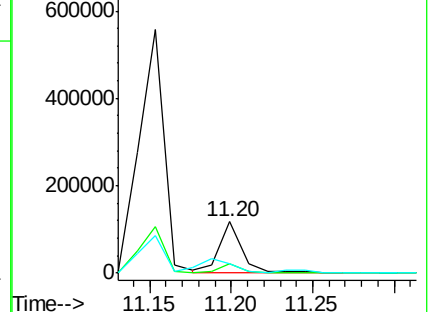
179 17.4 13.2 19.8

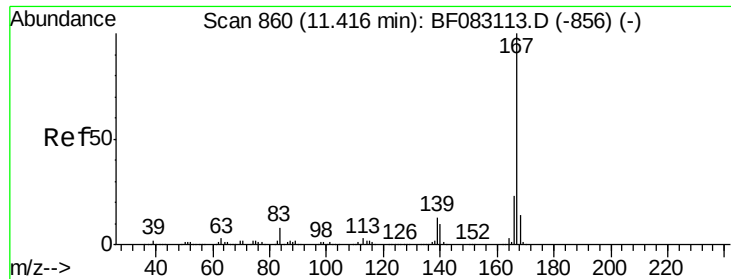


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 12.68 ng

RT: 11.37 min Scan# 821

Delta R.T. 0.00 min

Lab File: BF083238.D

Acq: 24 Nov 2015 15:50

Instrument :

BNA_F

ClientSampleId :

MW-7

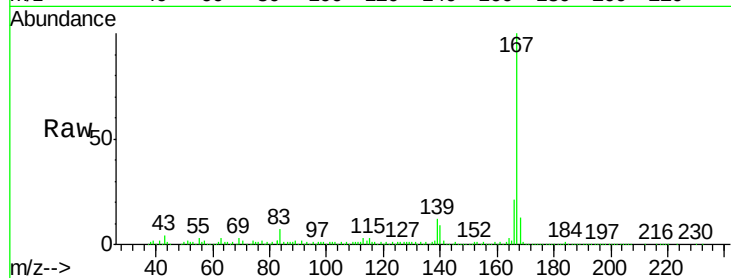
Tgt Ion:167 Resp: 412008

Ion Ratio Lower Upper

167 100

166 21.1 18.0 27.0

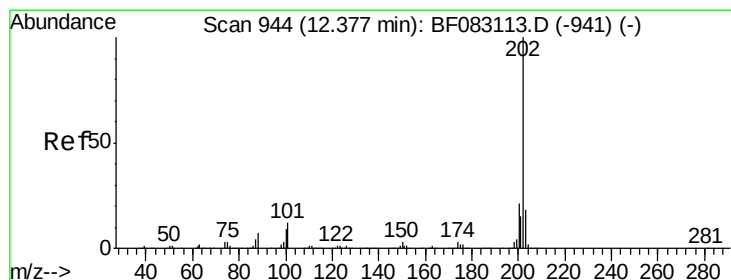
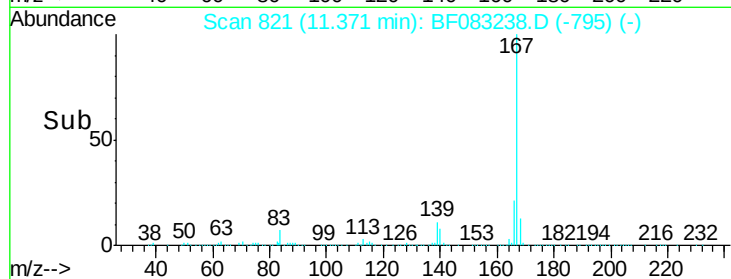
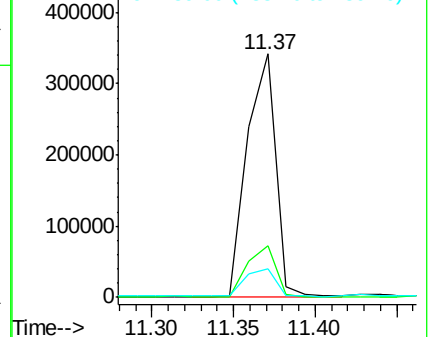
139 11.5 10.5 15.7



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



#74

Fluoranthene

Concen: 3.19 ng

RT: 12.33 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF083238.D

Acq: 24 Nov 2015 15:50

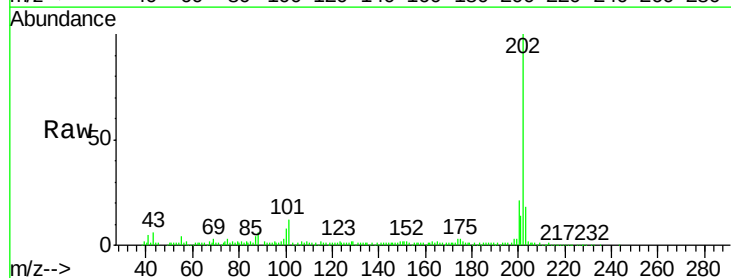
Tgt Ion:202 Resp: 117038

Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.3

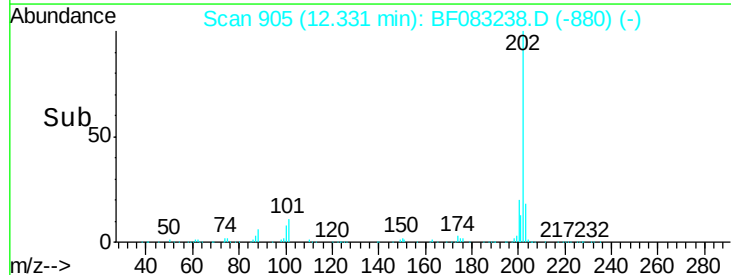
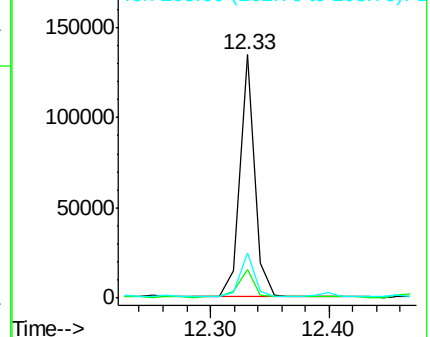
203 18.3 0.0 38.4

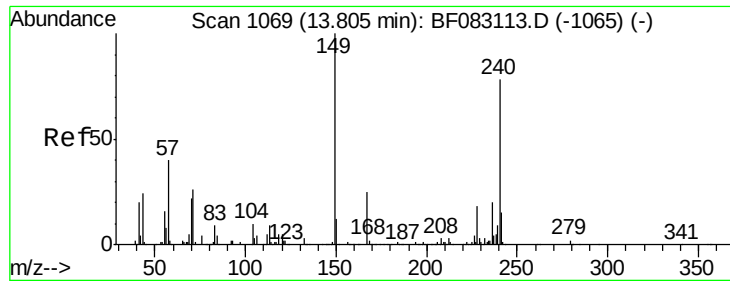


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

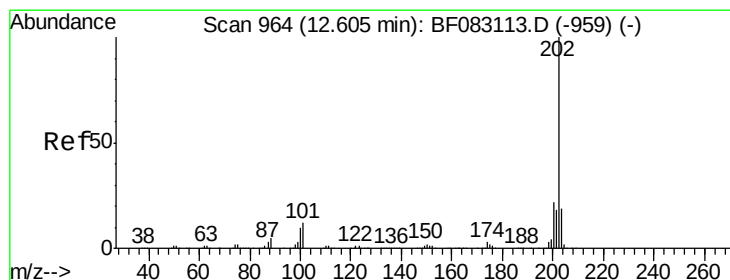
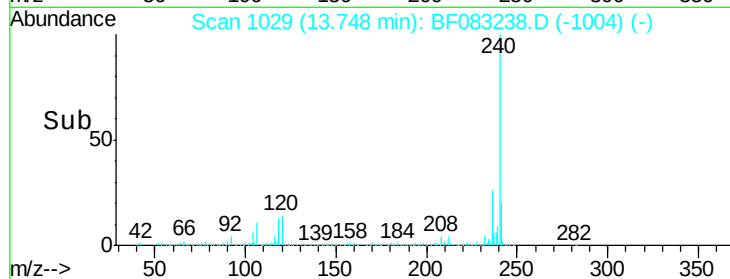
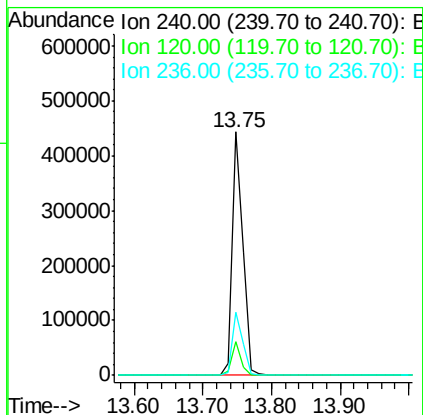
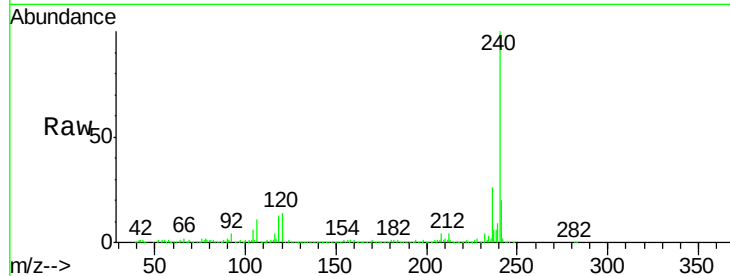




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.75 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BF083238.D
 Acq: 24 Nov 2015 15:50

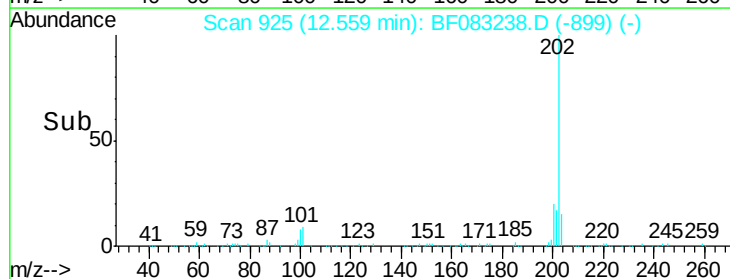
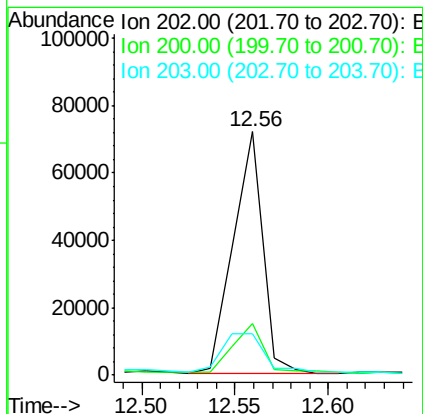
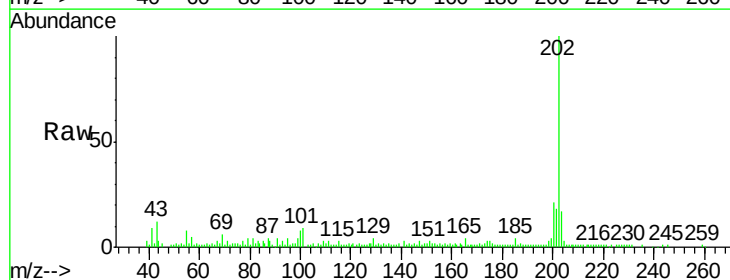
Instrument :
 BNA_F
 ClientSampleId :
 MW-7

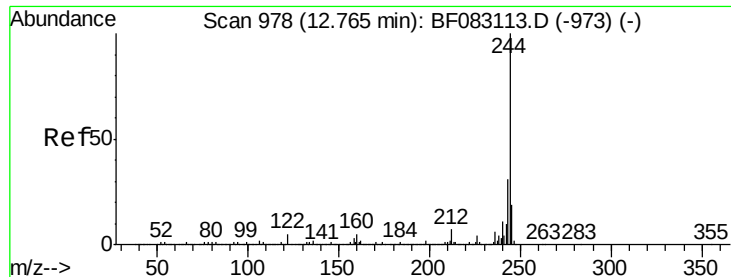
Tgt Ion:240 Resp: 487116
 Ion Ratio Lower Upper
 240 100
 120 13.6 5.4 8.2#
 236 25.8 20.6 31.0



#77
 Pyrene
 Concen: 2.40 ng
 RT: 12.56 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: BF083238.D
 Acq: 24 Nov 2015 15:50

Tgt Ion:202 Resp: 79716
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.8 26.6
 203 17.1 15.0 22.4

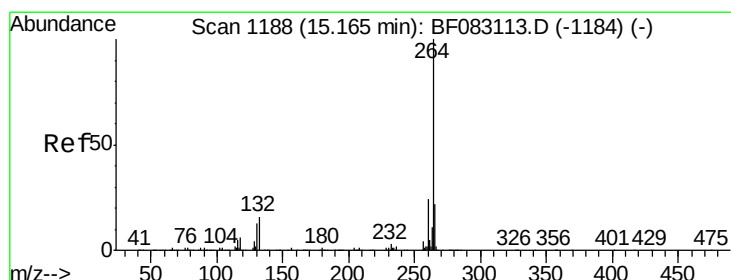
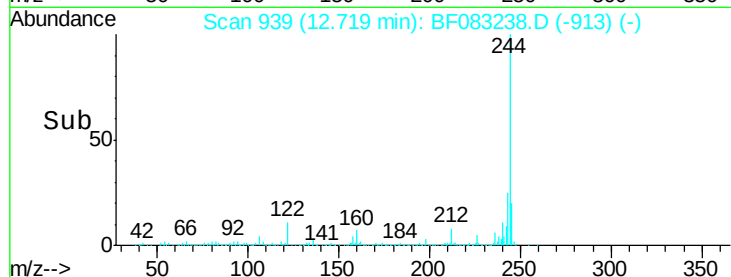
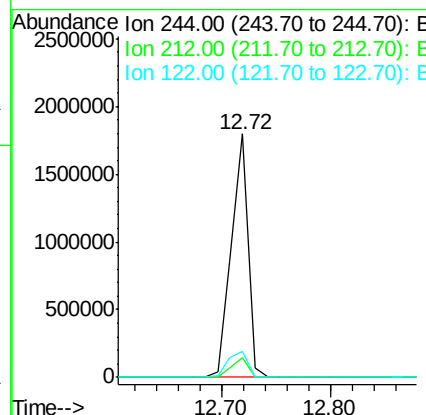
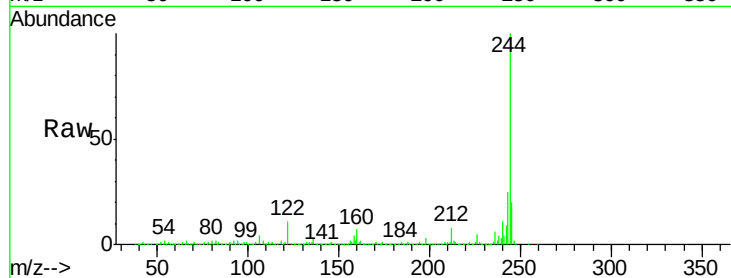




#78
 Terphenyl-d14
 Concen: 92.16 ng
 RT: 12.72 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: BF083238.D
 Acq: 24 Nov 2015 15:50

Instrument :
 BNA_F
 ClientSampleId :
 MW-7

Tgt Ion:244 Resp: 1906393
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.4 8.2
 122 10.9 4.3 6.5#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF083238.D
 Acq: 24 Nov 2015 15:50

Tgt Ion:264 Resp: 373964
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.1 28.7
 265 23.1 18.2 27.4

