

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092615\
 Data File : BF081829.D
 Acq On : 26 Sep 2015 15:55
 Operator : UM/IZ
 Sample : G3654-08
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-11B

Quant Time: Sep 28 03:14:06 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:02:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	127243	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	476114	20.00	ng	-0.01
38) Acenaphthene-d10	9.98	164	218940	20.00	ng	-0.02
63) Phenanthrene-d10	11.46	188	393828	20.00	ng	-0.01
75) Chrysene-d12	14.10	240	307066	20.00	ng	-0.01
86) Perylene-d12	15.58	264	286265	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	433395	57.62	ng	-0.01
7) Phenol-d6	6.55	99	369298	38.82	ng	-0.02
23) Nitrobenzene-d5	7.51	82	668490	92.64	ng	-0.01
41) 2,4,6-Tribromophenol	10.78	330	283025	148.90	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	1131256	84.82	ng	-0.01
78) Terphenyl-d14	13.06	244	1084645	80.69	ng	0.00

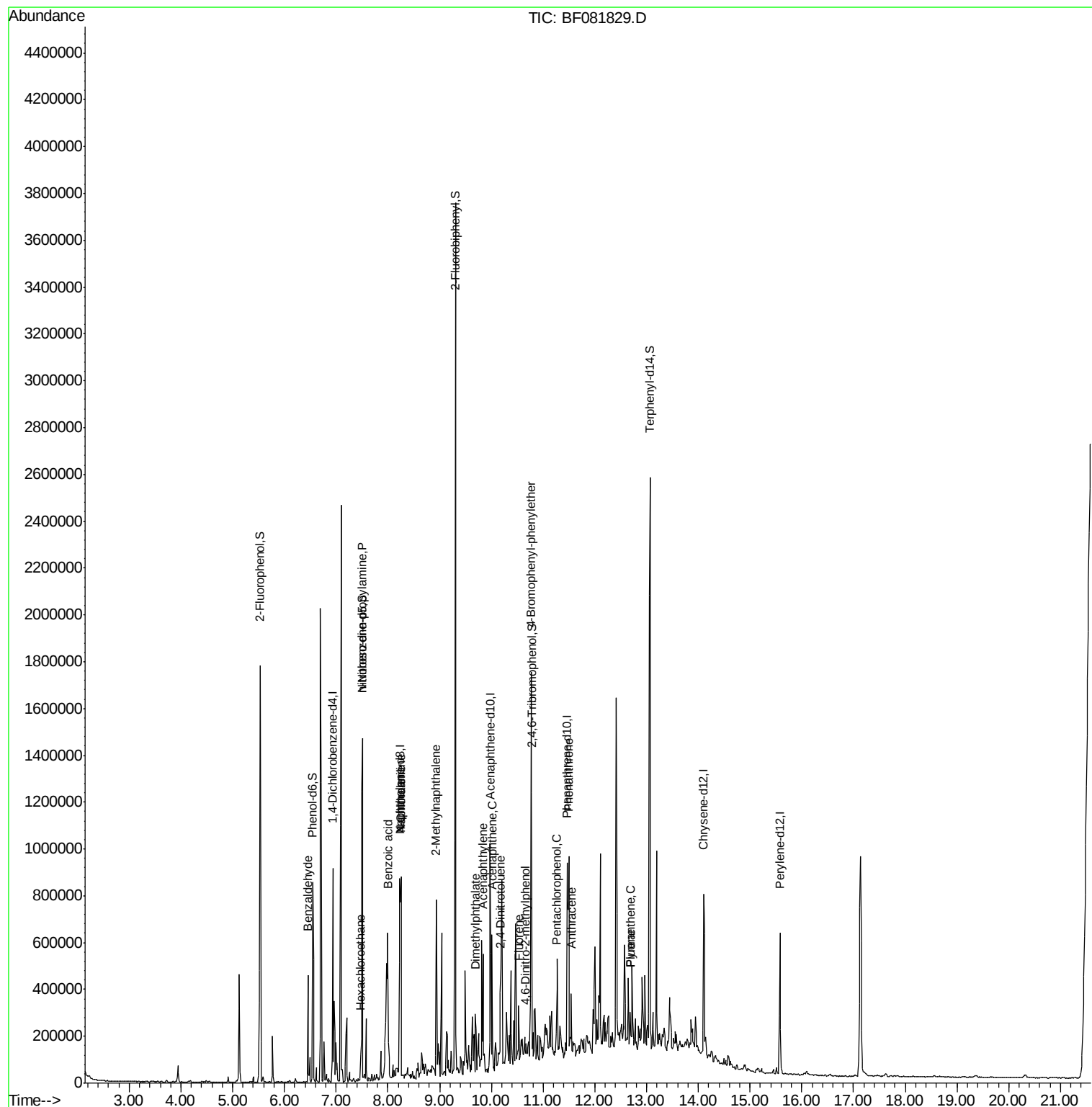
Target Compounds						Qvalue
9) Benzaldehyde	6.46	77	18199	3.24	ng	# 1
18) Hexachloroethane	7.47	117	14332	4.44	ng	# 63
19) n-Nitroso-di-n-propylamine	7.51	70	89169	14.06	ng	# 54
31) Naphthalene	8.25	128	553526	25.20	ng	99
32) Benzoic acid	8.00	122	2891	2.05	ng	# 1
33) 4-Chloroaniline	8.25	127	73011	7.57	ng	# 34
37) 2-Methylnaphthalene	8.94	142	162262	10.37	ng	# 89
48) Acenaphthylene	9.84	152	182291	7.82	ng	96
49) Dimethylphthalate	9.69	163	97272	5.84	ng	# 96
51) Acenaphthene	10.01	154	118852	8.85	ng	91
53) 2,4-Dinitrophenol	9.98	184	227	Below Cal		# 1
56) 2,4-Dinitrotoluene	10.17	165	7915	2.06	ng	# 54
57) Fluorene	10.53	166	84157	5.57	ng	# 90
64) 4,6-Dinitro-2-methylphenol	10.65	198	3846	13.75	ng	# 67
66) 4-Bromophenyl-phenylether	10.77	248	17595	4.01	ng	# 1
69) Pentachlorophenol	11.27	266	309	5.76	ng	# 53
70) Phenanthrene	11.50	178	451341	20.05	ng	98
71) Anthracene	11.54	178	106988	4.93	ng	99
74) Fluoranthene	12.69	202	83000	3.66	ng	85
77) Pyrene	12.69	202	81609	3.53	ng	96

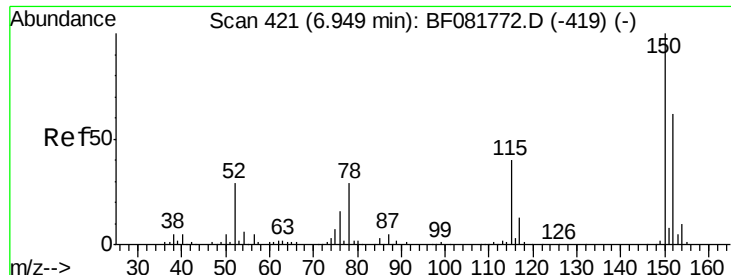
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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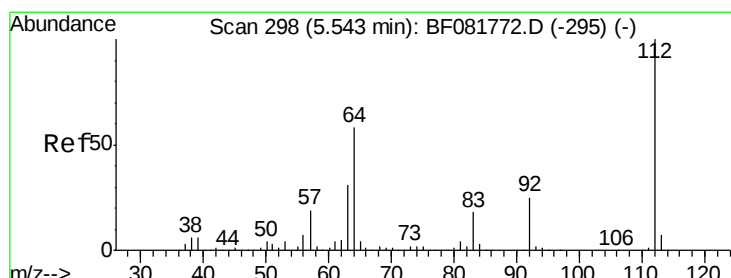
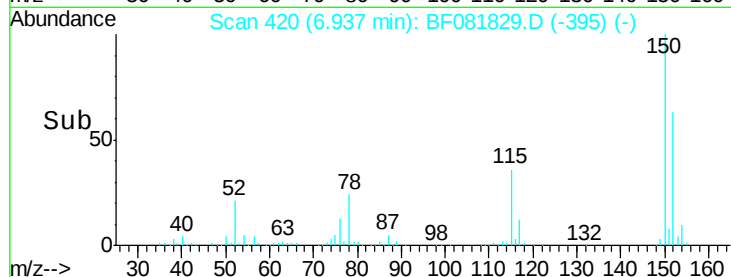
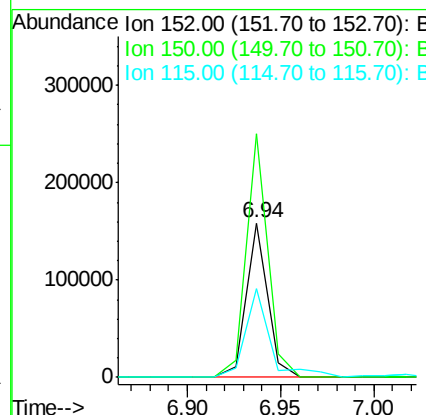
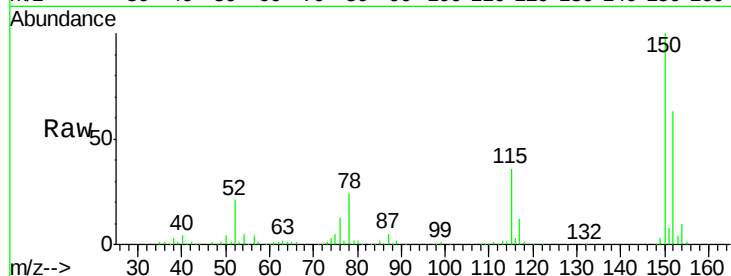




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.94 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BF081829.D
 Acq: 26 Sep 2015 15:55

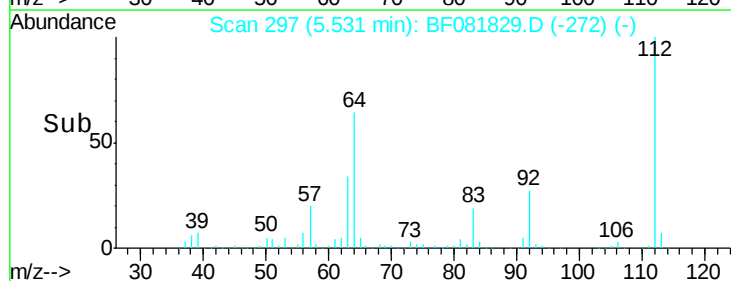
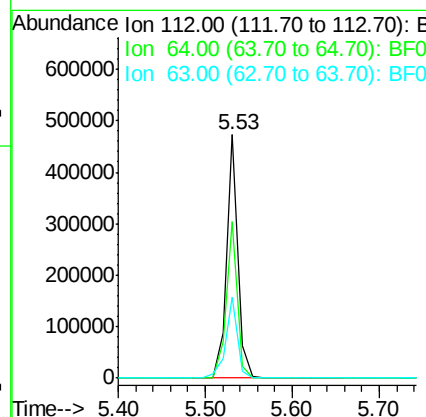
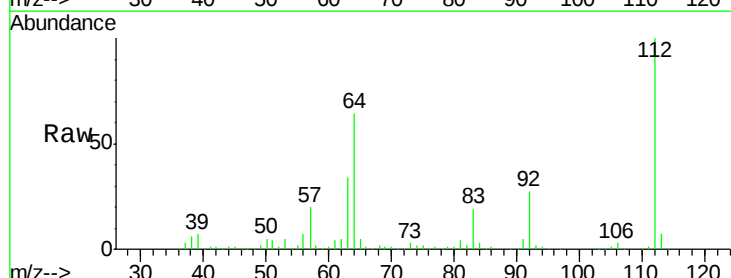
Instrument :
 BNA_F
 ClientSampleId :
 MW-11B

Tgt Ion:152 Resp: 127243
 Ion Ratio Lower Upper
 152 100
 150 158.0 124.7 187.1
 115 57.5 39.0 58.4



#5
 2-Fluorophenol
 Concen: 57.62 ng
 RT: 5.53 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: BF081829.D
 Acq: 26 Sep 2015 15:55

Tgt Ion:112 Resp: 433395
 Ion Ratio Lower Upper
 112 100
 64 64.3 39.7 59.5#
 63 33.5 17.4 26.0#





#7

Phenol-d6

Concen: 38.82 ng

RT: 6.55 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF081829.D

Acq: 26 Sep 2015 15:55

Instrument :

BNA_F

ClientSampleId :

MW-11B

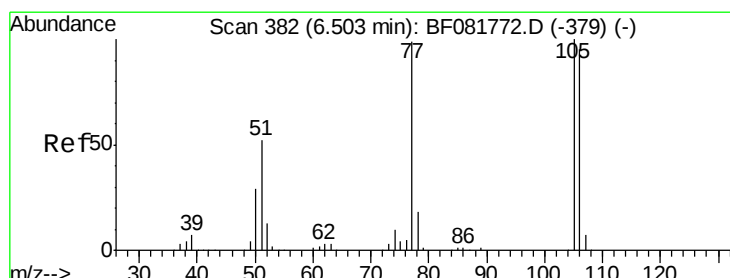
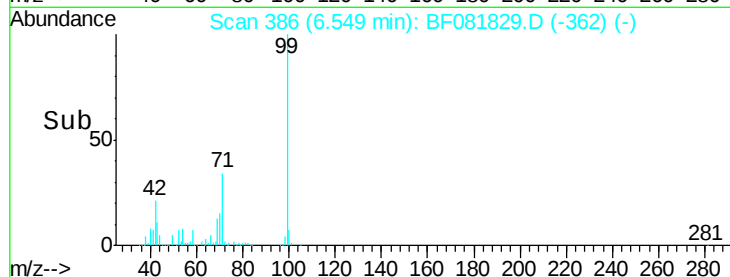
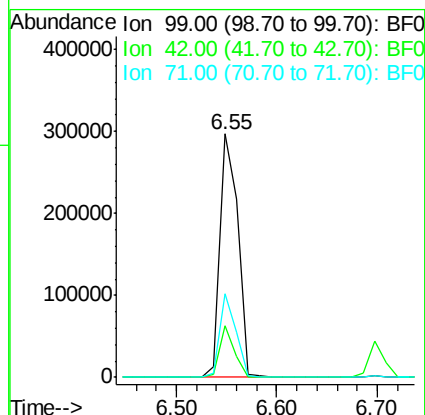
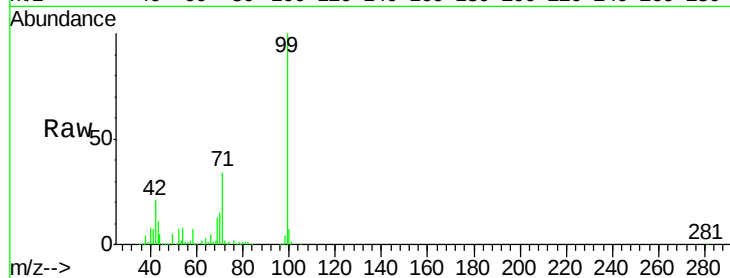
Tgt Ion: 99 Resp: 369298

Ion Ratio Lower Upper

99 100

42 20.9 13.7 20.5#

71 34.1 14.2 21.2#



#9

Benzaldehyde

Concen: 3.24 ng

RT: 6.46 min Scan# 378

Delta R.T. -0.05 min

Lab File: BF081829.D

Acq: 26 Sep 2015 15:55

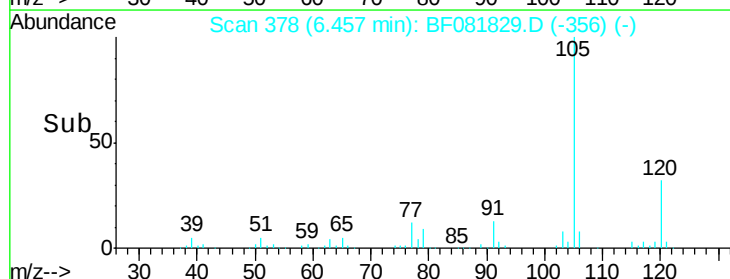
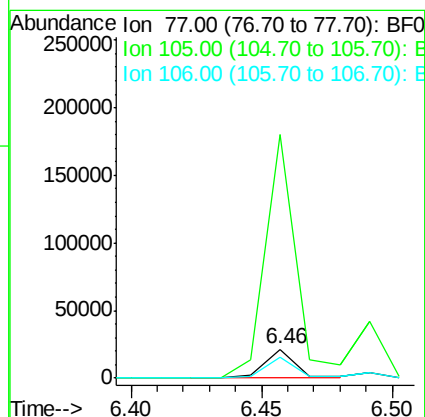
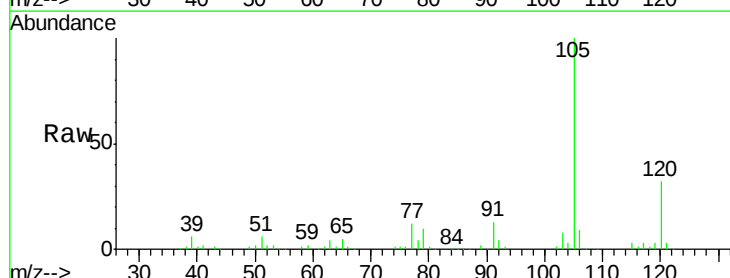
Tgt Ion: 77 Resp: 18199

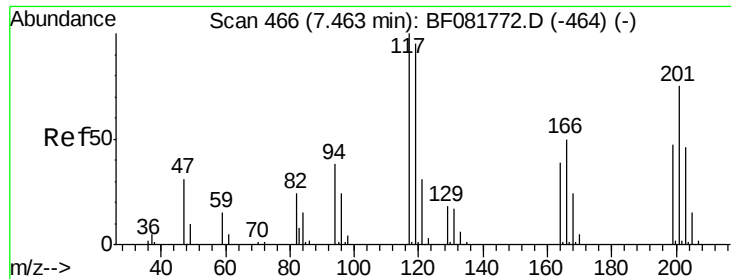
Ion Ratio Lower Upper

77 100

105 843.8 91.6 131.6#

106 74.6 102.6 142.6#

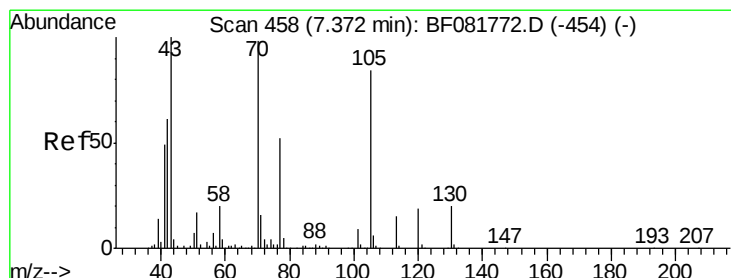
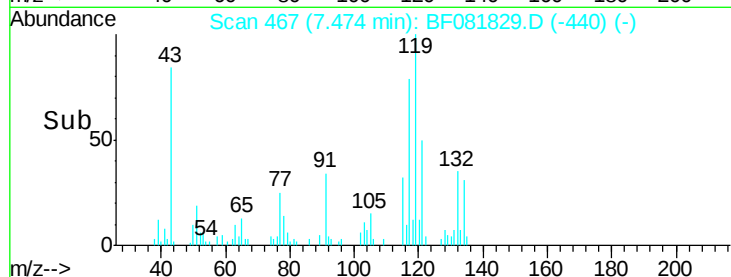
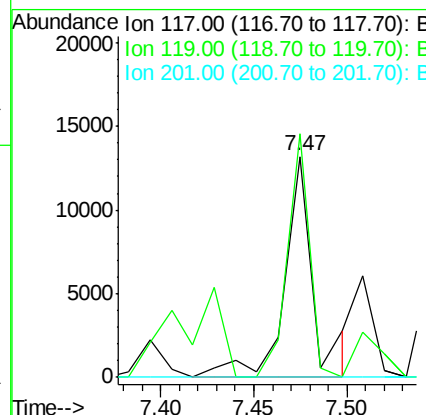
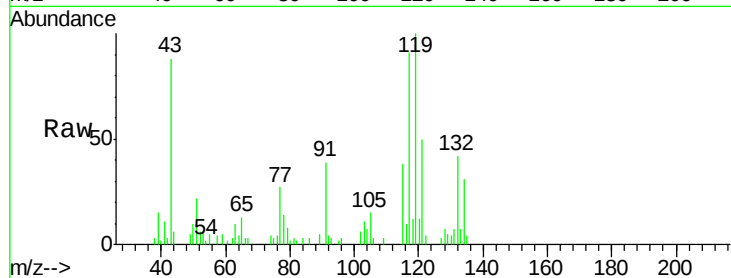




#18
Hexachloroethane
Concen: 4.44 ng
RT: 7.47 min Scan# 467
Delta R.T. 0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

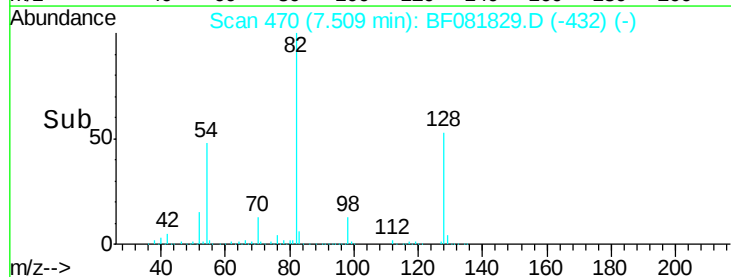
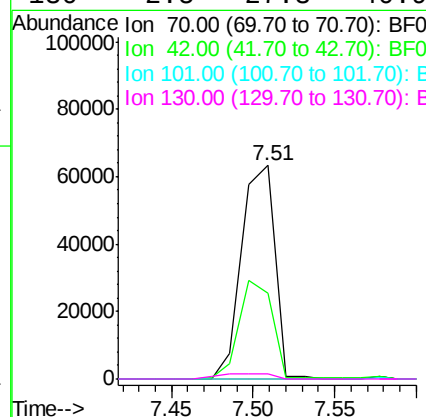
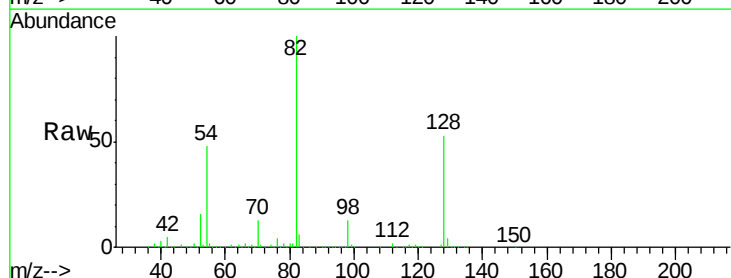
Instrument :
BNA_F
ClientSampleId :
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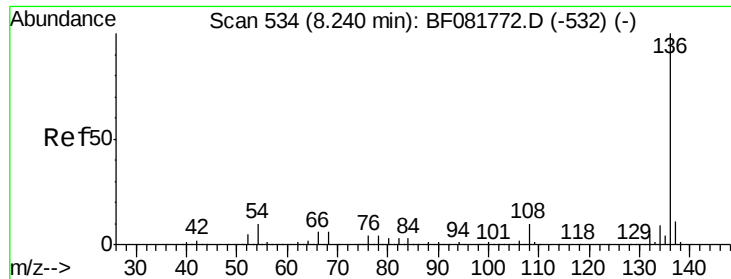
Tgt Ion:117 Resp: 14332
Ion Ratio Lower Upper
117 100
119 110.2 83.8 125.6
201 0.0 55.1 82.7#



#19
n-Nitroso-di-n-propylamine
Concen: 14.06 ng
RT: 7.51 min Scan# 470
Delta R.T. 0.14 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion: 70 Resp: 89169
Ion Ratio Lower Upper
70 100
42 40.2 63.8 95.6#
101 0.0 9.2 13.8#
130 2.5 27.3 40.9#

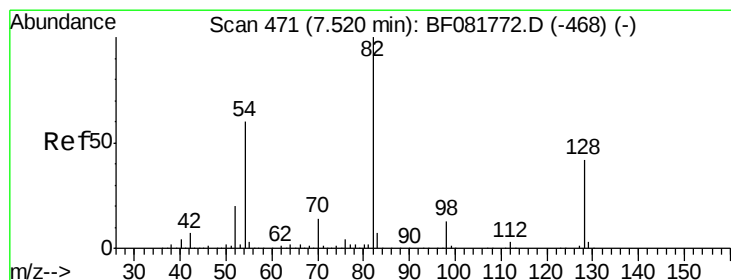
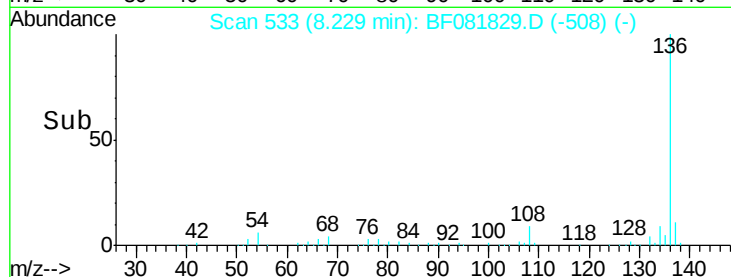
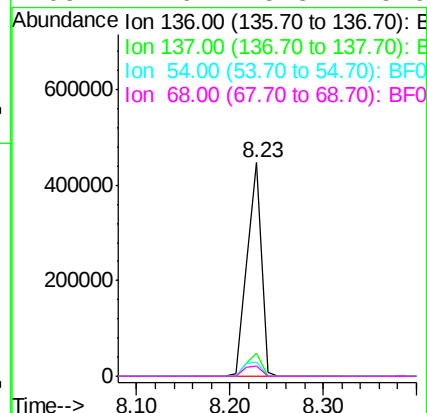
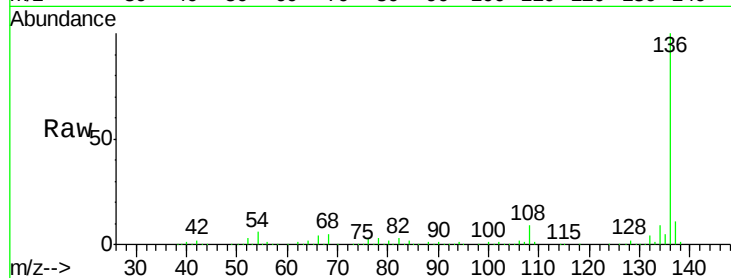




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.23 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

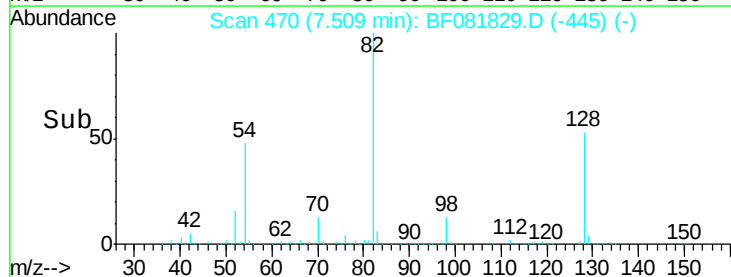
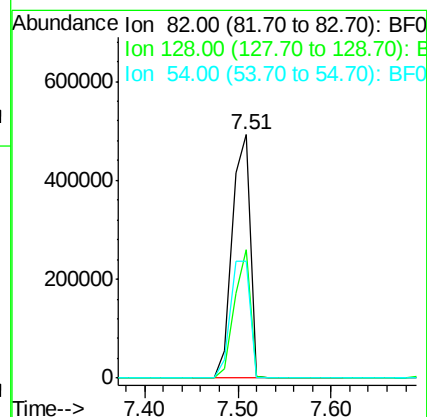
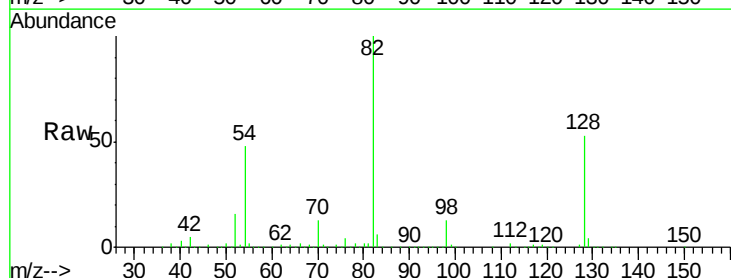
Instrument :
BNA_F
ClientSampleId :
MW-11B

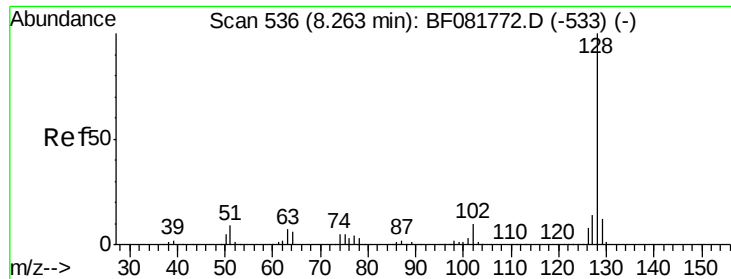
Tgt Ion:	136	Resp:	476114
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	6.4	8.2	12.2#
68	4.6	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 92.64 ng
RT: 7.51 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:	82	Resp:	668490
Ion	Ratio	Lower	Upper
82	100		
128	52.7	51.0	76.6
54	48.1	47.5	71.3

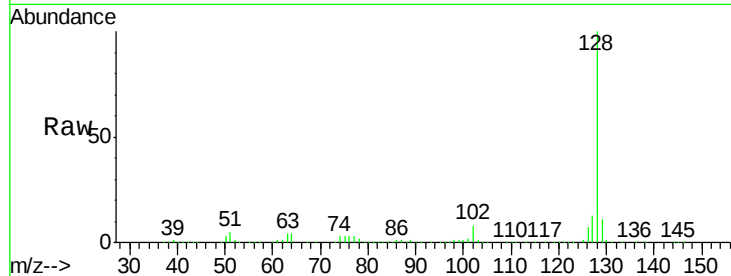




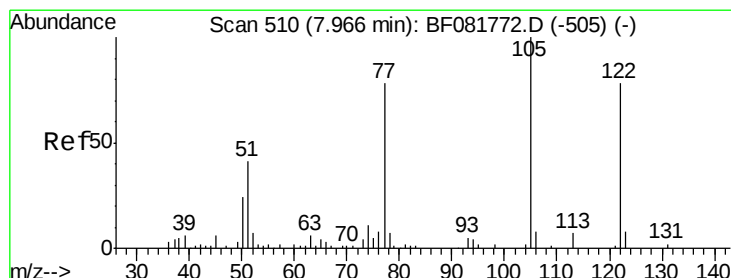
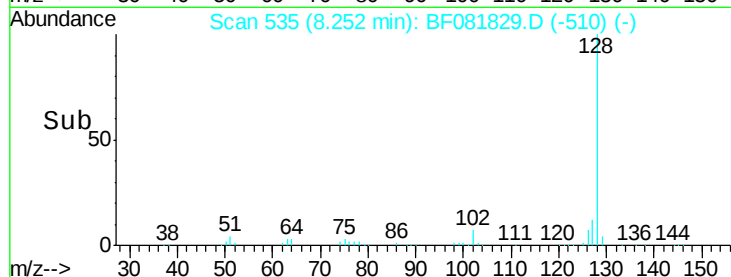
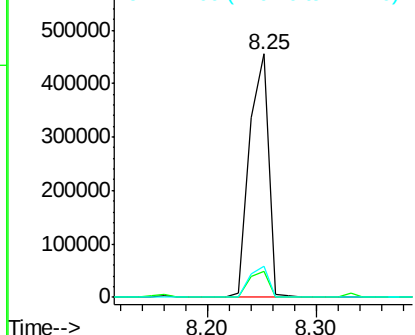
#31
Naphthalene
Concen: 25.20 ng
RT: 8.25 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Instrument :
BNA_F
ClientSampleId :
MW-11B

Tgt Ion:128 Resp: 553526
Ion Ratio Lower Upper
128 100
129 10.9 8.4 12.6
127 12.9 9.9 14.9

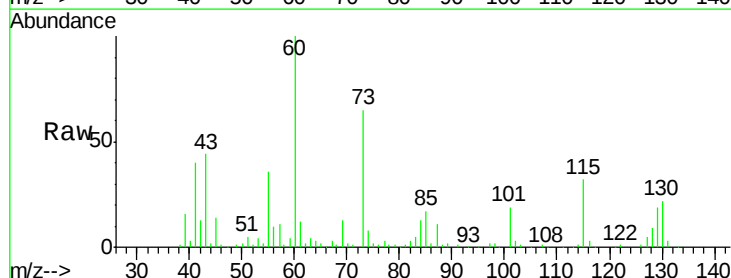


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

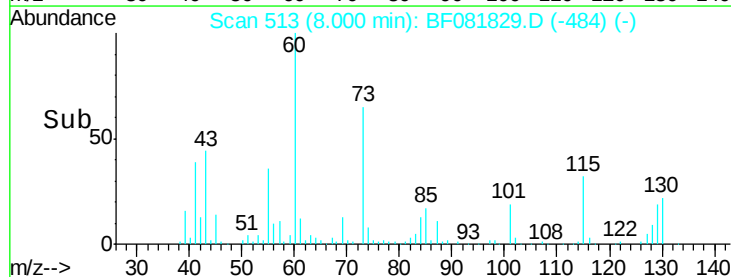
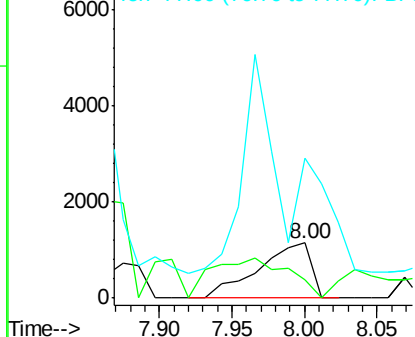


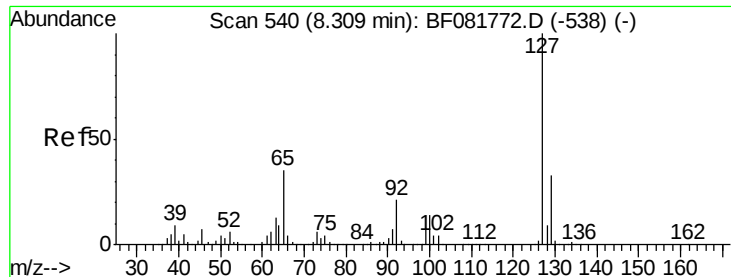
#32
Benzoic acid
Concen: 2.05 ng
RT: 8.00 min Scan# 513
Delta R.T. 0.03 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:122 Resp: 2891
Ion Ratio Lower Upper
122 100
105 34.1 76.1 116.1#
77 252.9 40.5 80.5#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

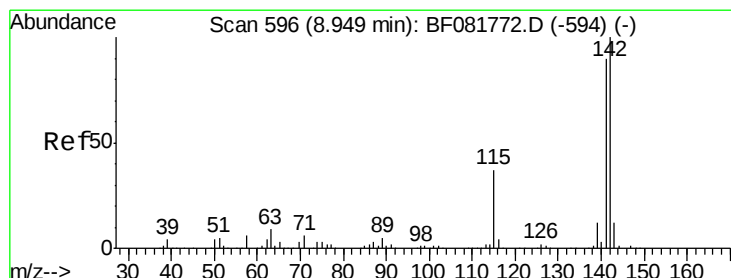
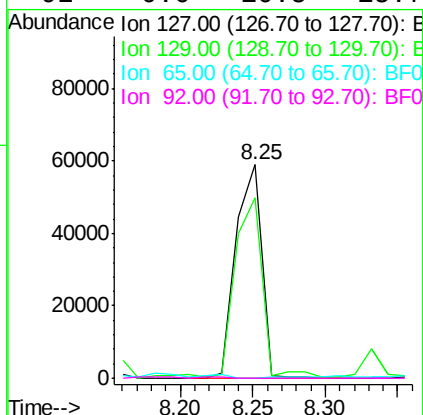
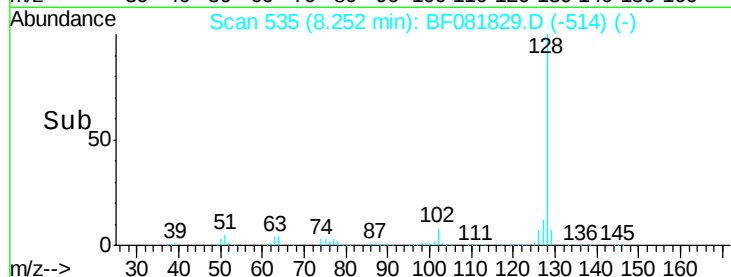
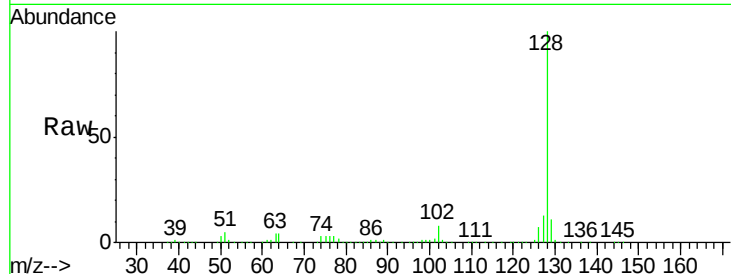




#33
4-Chloroaniline
Concen: 7.57 ng
RT: 8.25 min Scan# 535
Delta R.T. -0.06 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

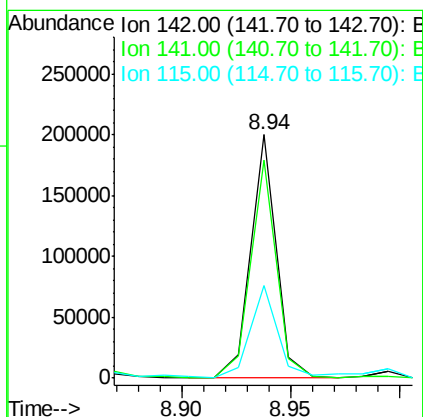
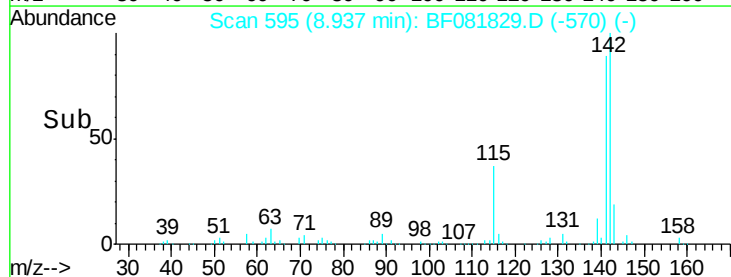
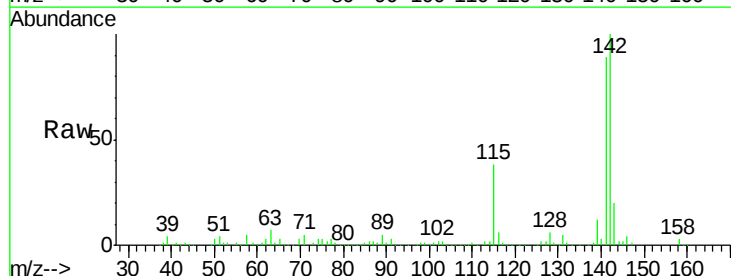
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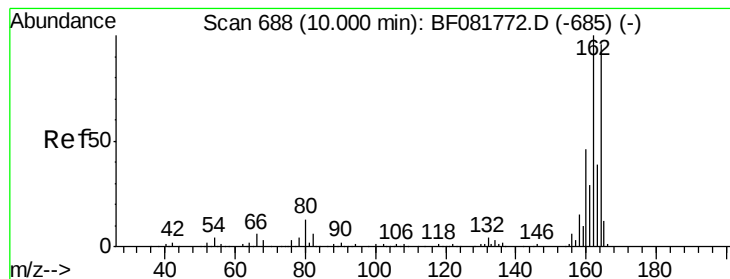
Tgt Ion:	127	Resp:	73011
Ion	Ratio	Lower	Upper
127	100		
129	84.3	25.8	38.6#
65	0.0	17.9	26.9#
92	0.0	10.5	15.7#



#37
2-Methylnaphthalene
Concen: 10.37 ng
RT: 8.94 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:	142	Resp:	162262
Ion	Ratio	Lower	Upper
142	100		
141	89.4	67.5	101.3
115	38.1	18.2	27.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF081829.D

Acq: 26 Sep 2015 15:55

Instrument :

BNA_F

ClientSampleId :

MW-11B

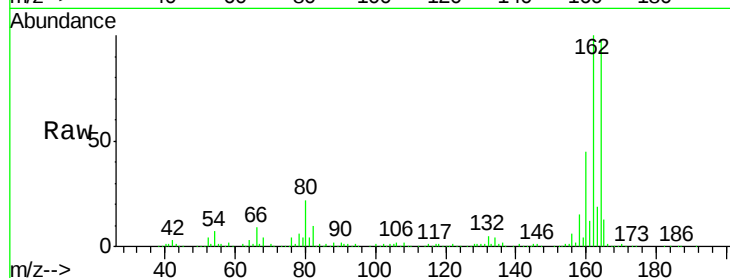
Tgt Ion:164 Resp: 218940

Ion Ratio Lower Upper

164 100

162 102.6 75.2 112.8

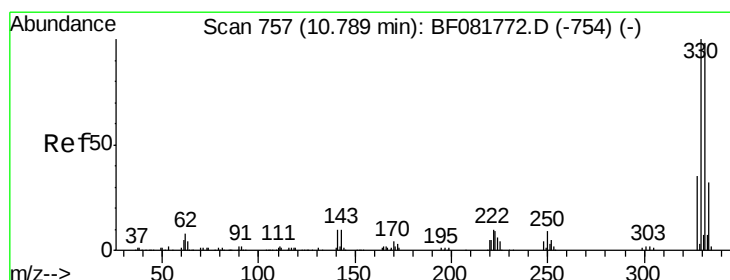
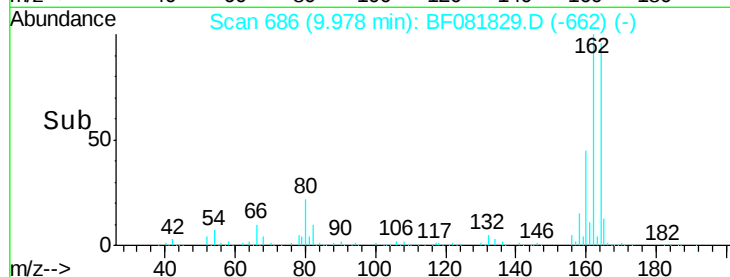
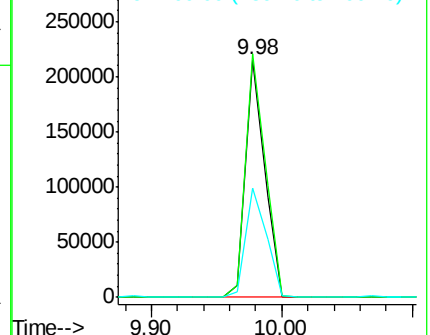
160 45.9 31.5 47.3



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: 148.90 ng

RT: 10.78 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF081829.D

Acq: 26 Sep 2015 15:55

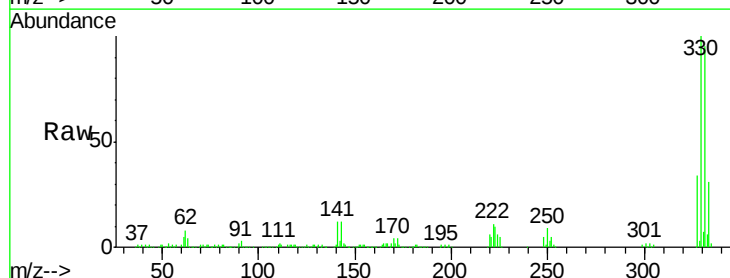
Tgt Ion:330 Resp: 283025

Ion Ratio Lower Upper

330 100

332 95.8 76.6 114.8

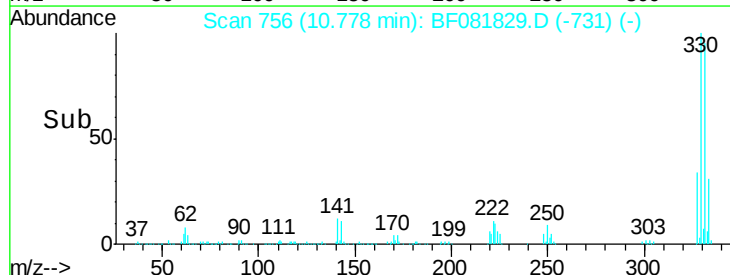
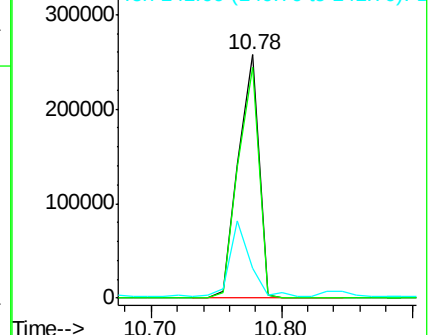
141 31.1 29.7 44.5

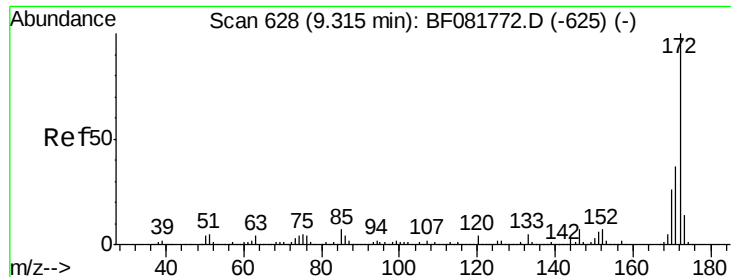


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

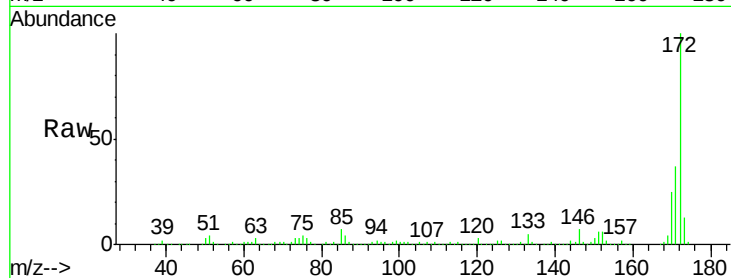




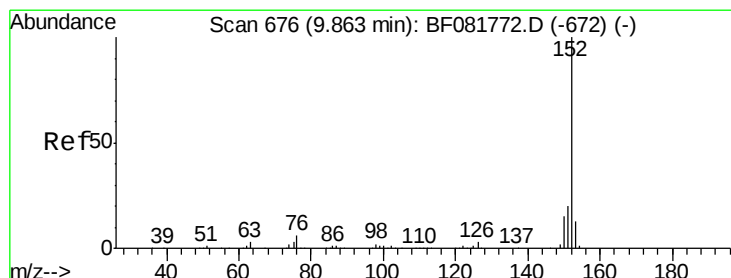
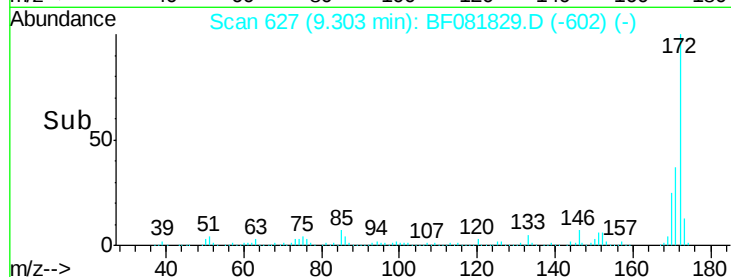
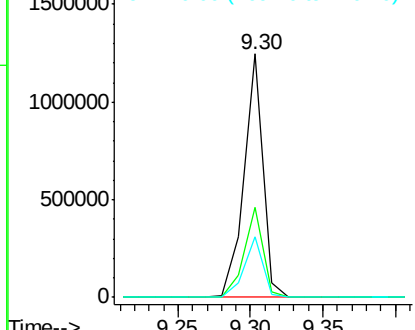
#44
 2-Fluorobiphenyl
 Concen: 84.82 ng
 RT: 9.30 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF081829.D
 Acq: 26 Sep 2015 15:55

Instrument :
 BNA_F
 ClientSampleId :
 MW-11B

Tgt Ion:172 Resp: 1131256
 Ion Ratio Lower Upper
 172 100
 171 37.2 26.1 39.1
 170 25.1 17.4 26.2

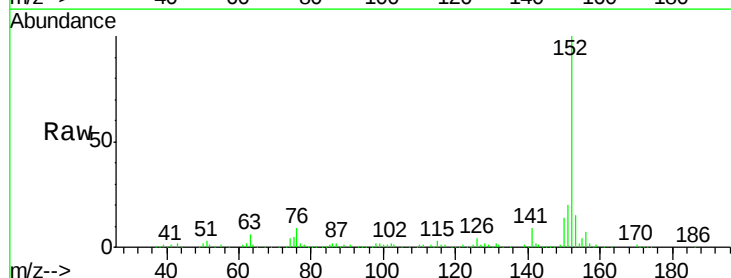


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

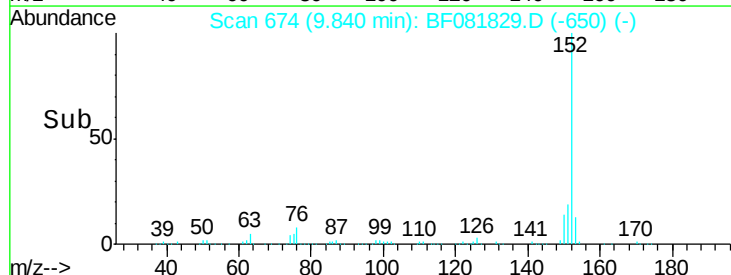
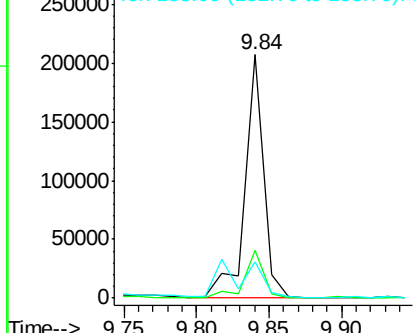


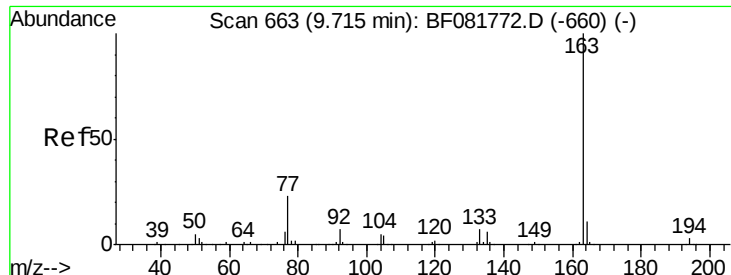
#48
 Acenaphthylene
 Concen: 7.82 ng
 RT: 9.84 min Scan# 674
 Delta R.T. -0.02 min
 Lab File: BF081829.D
 Acq: 26 Sep 2015 15:55

Tgt Ion:152 Resp: 182291
 Ion Ratio Lower Upper
 152 100
 151 19.6 14.6 22.0
 153 14.9 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

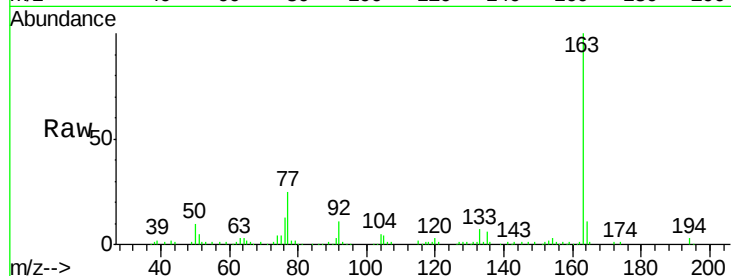




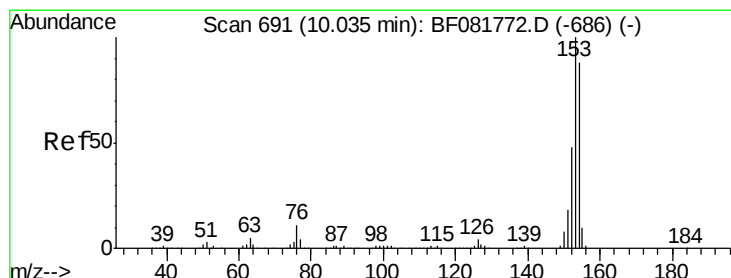
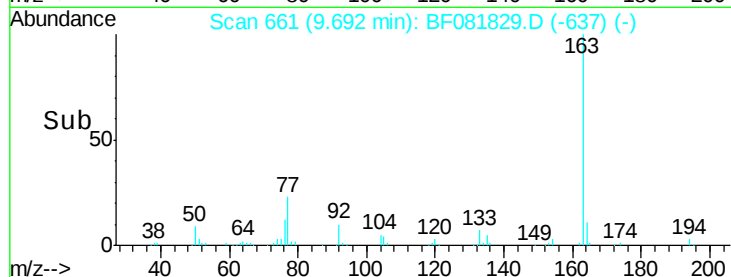
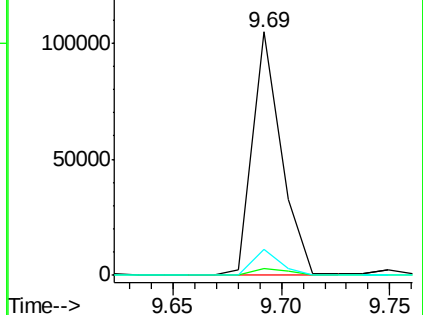
#49
Dimethylphthalate
Concen: 5.84 ng
RT: 9.69 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Instrument :
BNA_F
ClientSampleId :
MW-11B

Tgt Ion:163 Resp: 97272
Ion Ratio Lower Upper
163 100
194 2.8 4.4 6.6#
164 10.9 8.3 12.5

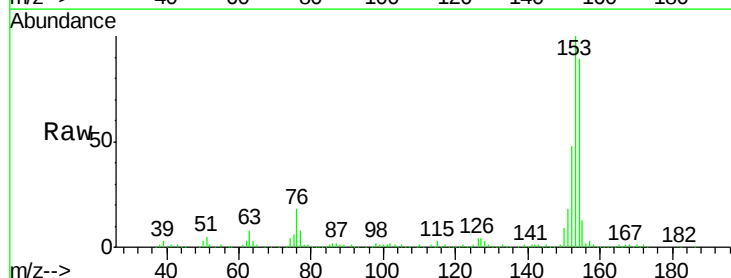


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

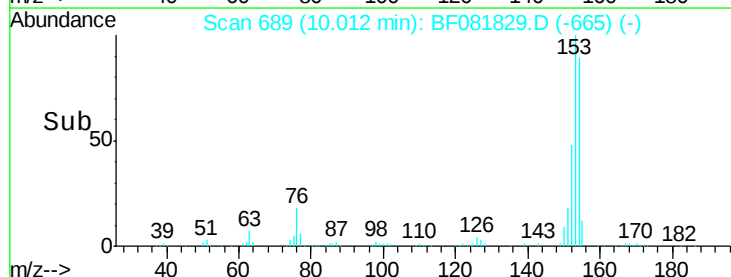
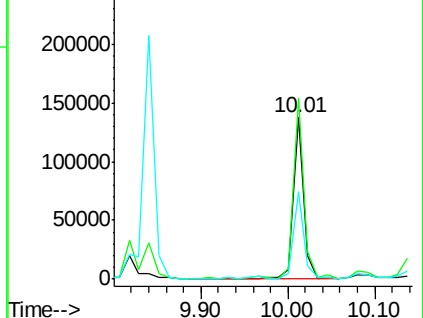


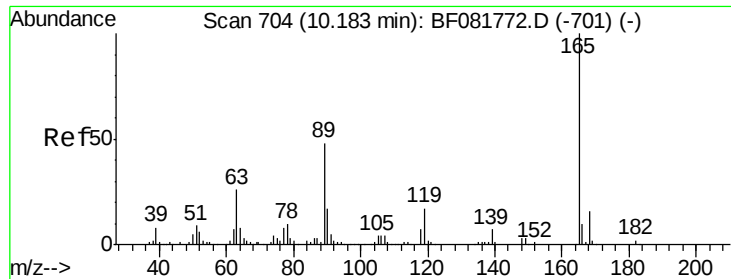
#51
Acenaphthene
Concen: 8.85 ng
RT: 10.01 min Scan# 689
Delta R.T. -0.02 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:154 Resp: 118852
Ion Ratio Lower Upper
154 100
153 111.9 82.1 123.1
152 53.9 37.9 56.9



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

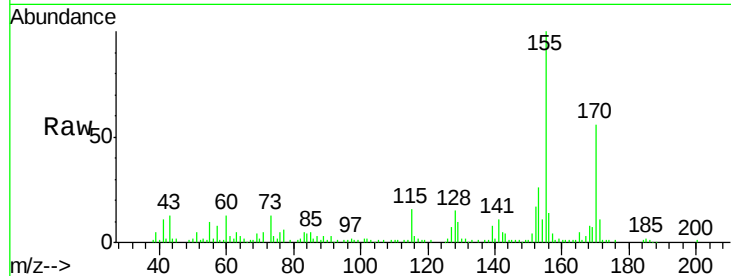




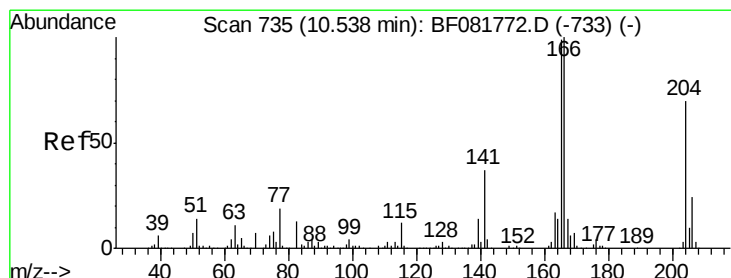
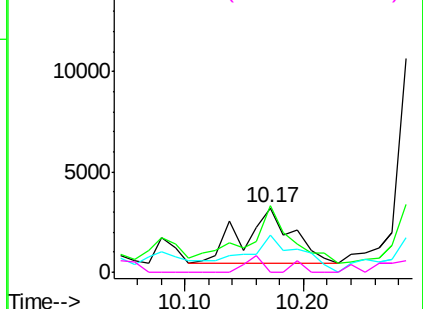
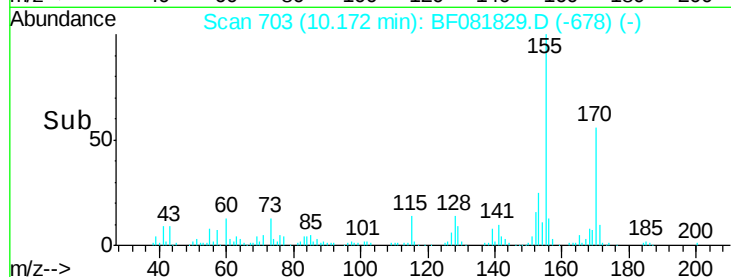
#56
2,4-Dinitrotoluene
Concen: 2.06 ng
RT: 10.17 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Instrument :
BNA_F
ClientSampleId :
MW-11B

Tgt Ion:165 Resp: 7915
Ion Ratio Lower Upper
165 100
63 104.5 29.8 44.6#
89 58.0 44.5 66.7
182 0.0 3.0 4.4#

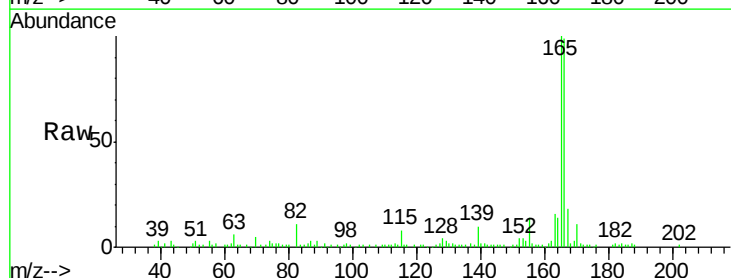


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

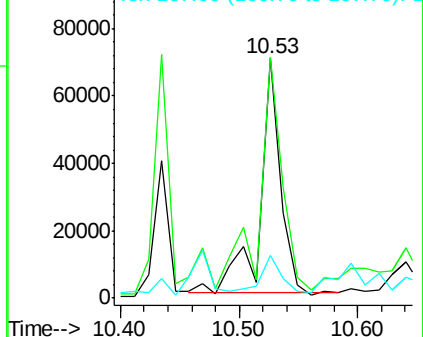
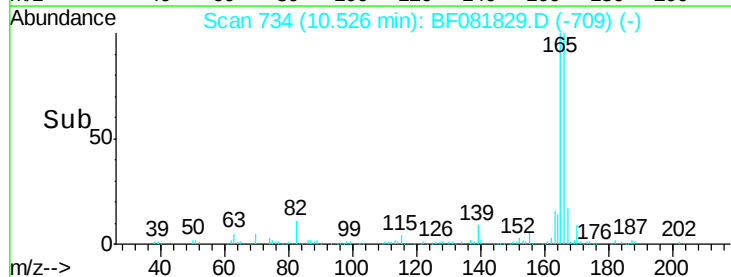


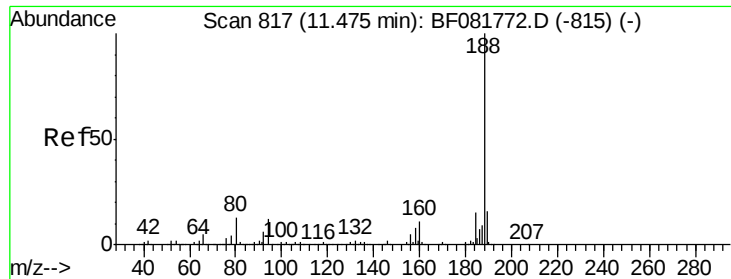
#57
Fluorene
Concen: 5.57 ng
RT: 10.53 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:166 Resp: 84157
Ion Ratio Lower Upper
166 100
165 100.5 72.6 109.0
167 17.7 10.6 16.0#



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

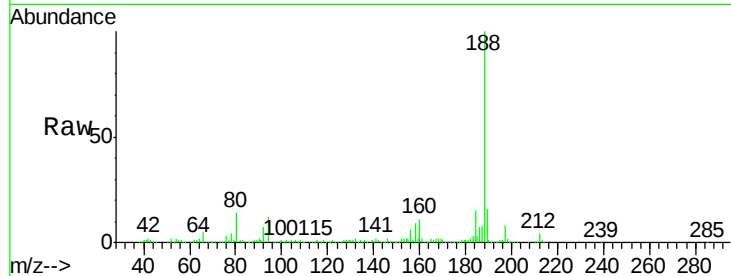




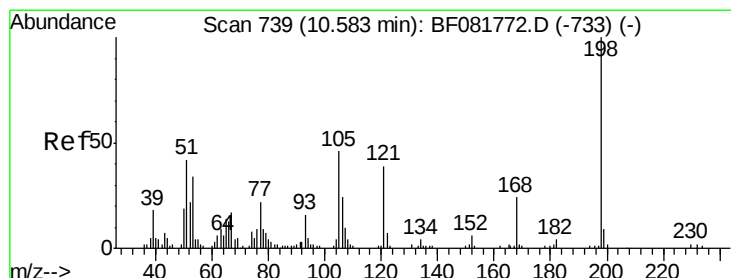
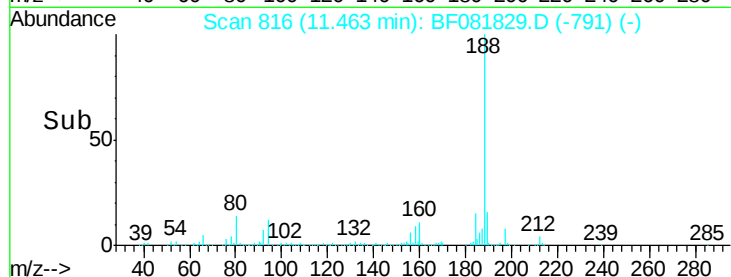
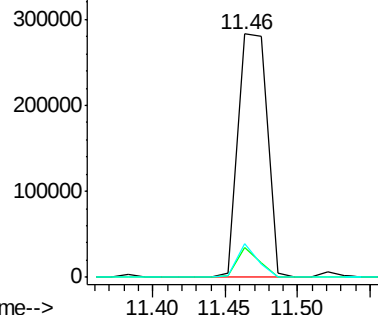
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Instrument :
BNA_F
ClientSampleId :
MW-11B

Tgt Ion:188 Resp: 393828
Ion Ratio Lower Upper
188 100
94 12.2 11.1 16.7
80 13.9 11.0 16.4

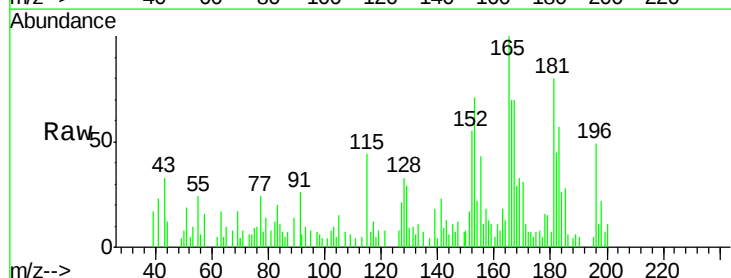


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

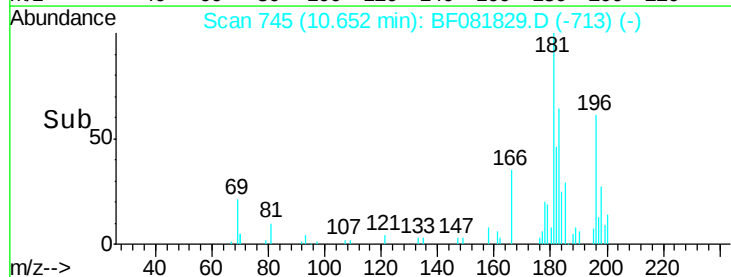
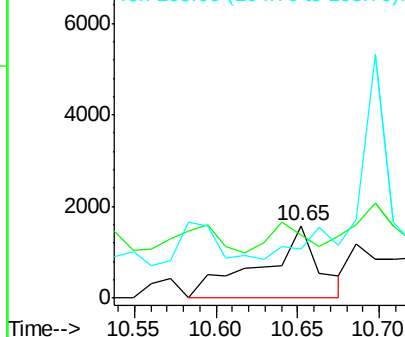


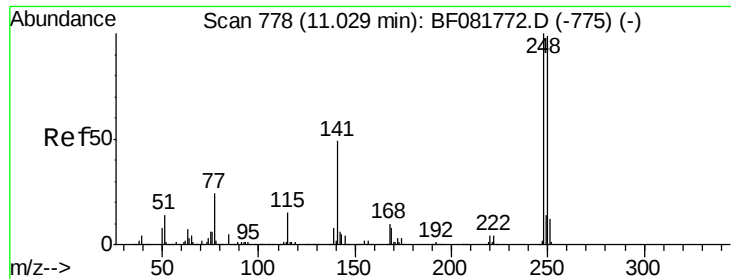
#64
4,6-Dinitro-2-methylphenol
Concen: 13.75 ng
RT: 10.65 min Scan# 745
Delta R.T. 0.07 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:198 Resp: 3846
Ion Ratio Lower Upper
198 100
51 87.2 39.6 79.6#
105 68.0 28.5 68.5



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

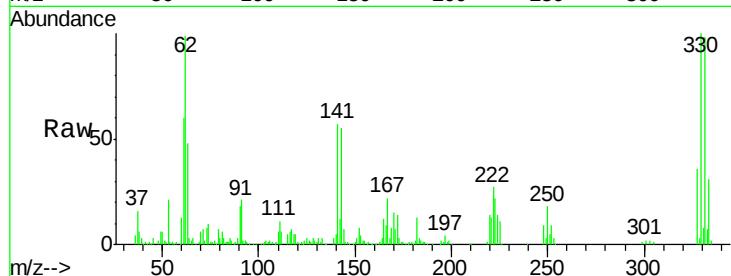




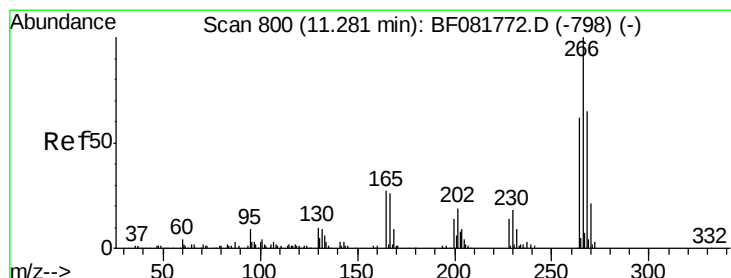
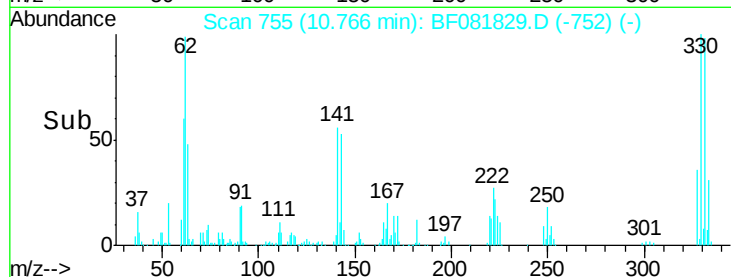
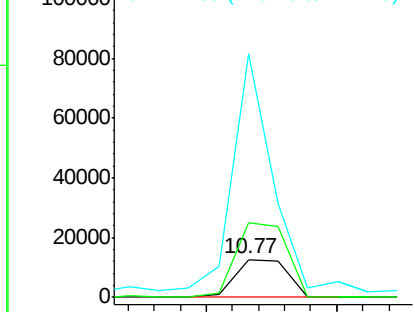
#66
4-Bromophenyl-phenylether
Concen: 4.01 ng
RT: 10.77 min Scan# 755
Delta R.T. -0.26 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Instrument :
BNA_F
ClientSampleId :
MW-11B

Tgt Ion:248 Resp: 17595
Ion Ratio Lower Upper
248 100
250 200.1 78.5 117.7#
141 648.5 59.0 88.6#

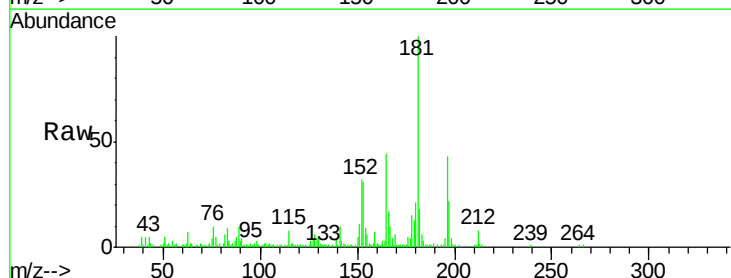


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

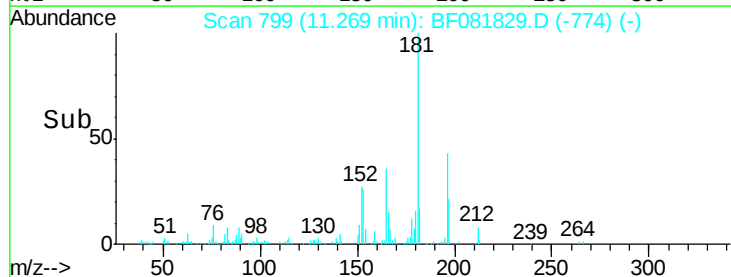
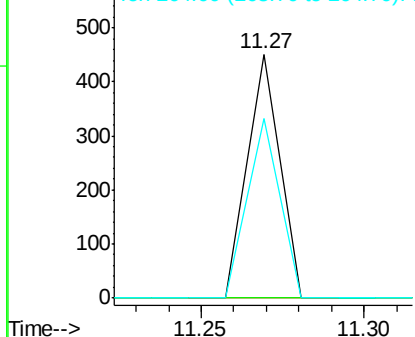


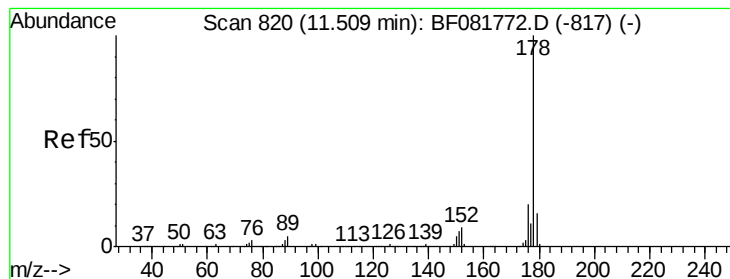
#69
Pentachlorophenol
Concen: 5.76 ng
RT: 11.27 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Tgt Ion:266 Resp: 309
Ion Ratio Lower Upper
266 100
268 0.0 49.8 74.6#
264 73.6 50.2 75.2



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 20.05 ng

RT: 11.50 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF081829.D

Acq: 26 Sep 2015 15:55

Instrument :

BNA_F

ClientSampleId :

MW-11B

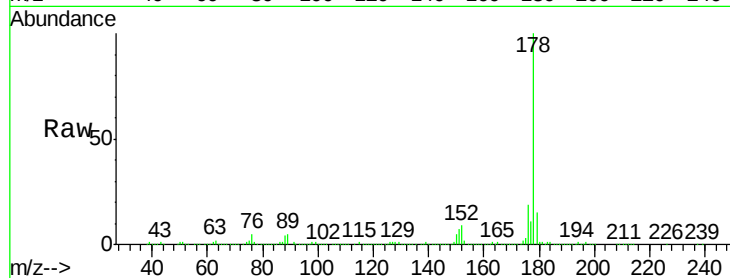
Tgt Ion:178 Resp: 451341

Ion Ratio Lower Upper

178 100

176 19.1 13.8 20.8

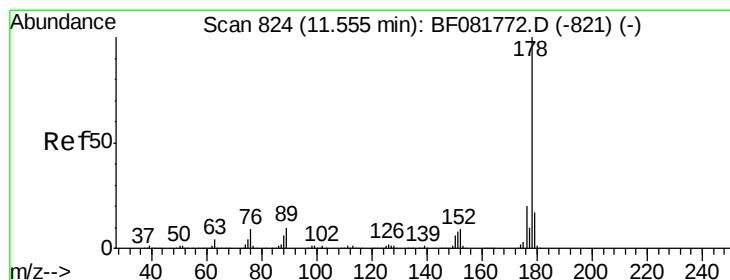
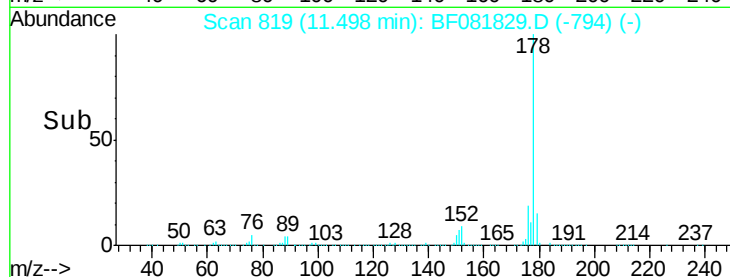
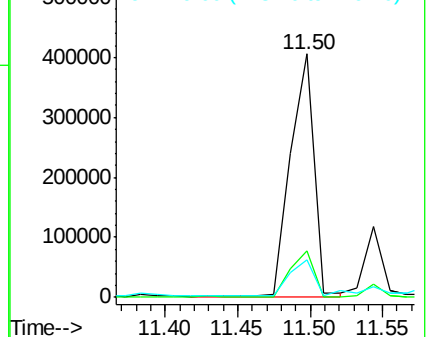
179 15.4 12.2 18.2



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: 4.93 ng

RT: 11.54 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF081829.D

Acq: 26 Sep 2015 15:55

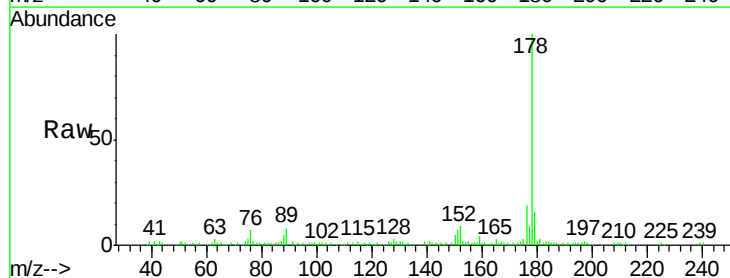
Tgt Ion:178 Resp: 106988

Ion Ratio Lower Upper

178 100

176 18.5 14.1 21.1

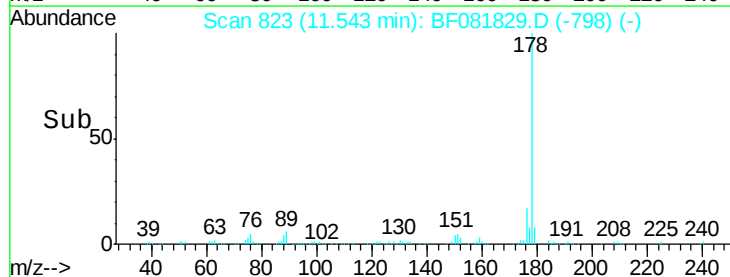
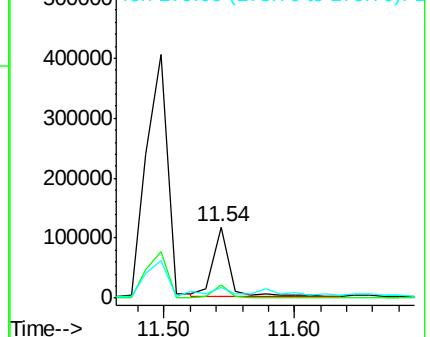
179 15.5 12.2 18.2

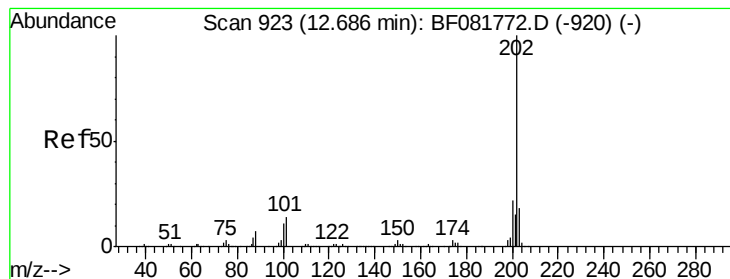


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.66 ng

RT: 12.69 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF081829.D

Acq: 26 Sep 2015 15:55

Instrument :

BNA_F

ClientSampleId :

MW-11B

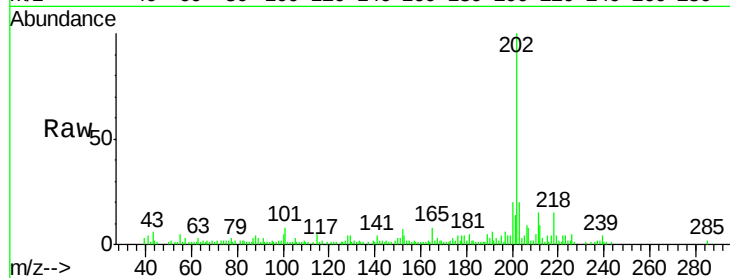
Tgt Ion:202 Resp: 83000

Ion Ratio Lower Upper

202 100

101 7.7 0.0 38.3

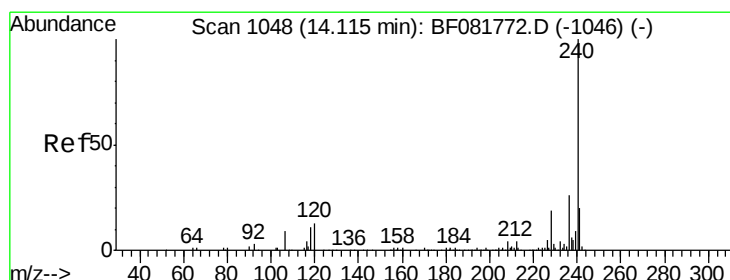
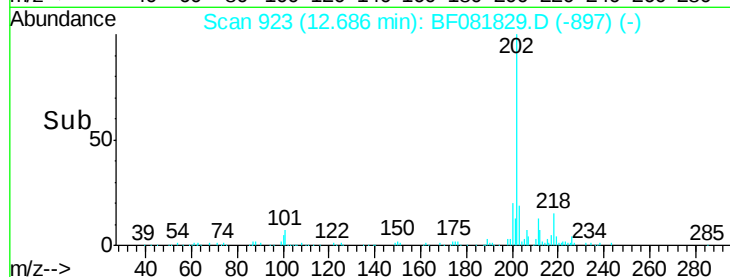
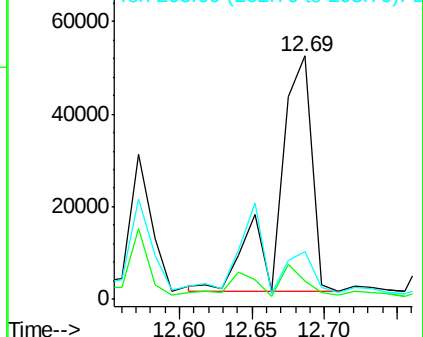
203 19.9 0.0 37.3



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: 14.10 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF081829.D

Acq: 26 Sep 2015 15:55

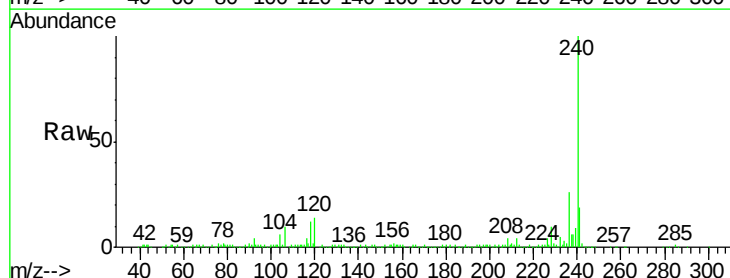
Tgt Ion:240 Resp: 307066

Ion Ratio Lower Upper

240 100

120 13.6 16.2 24.2#

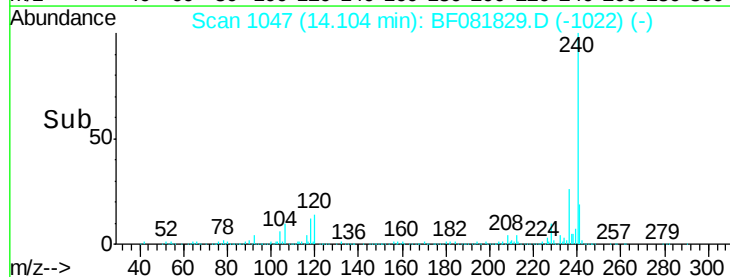
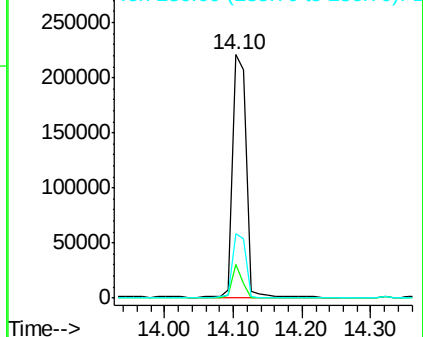
236 26.2 18.4 27.6

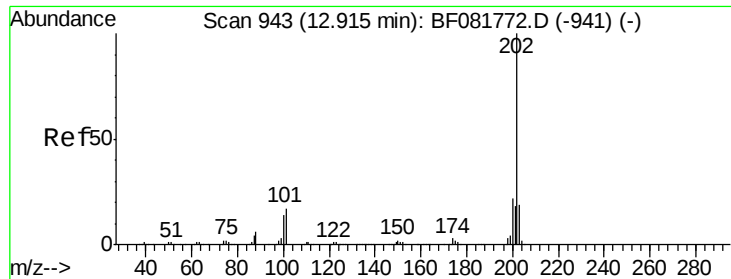


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.53 ng

RT: 12.69 min Scan# 923

Delta R.T. -0.23 min

Lab File: BF081829.D

Acq: 26 Sep 2015 15:55

Instrument :

BNA_F

ClientSampleId :

MW-11B

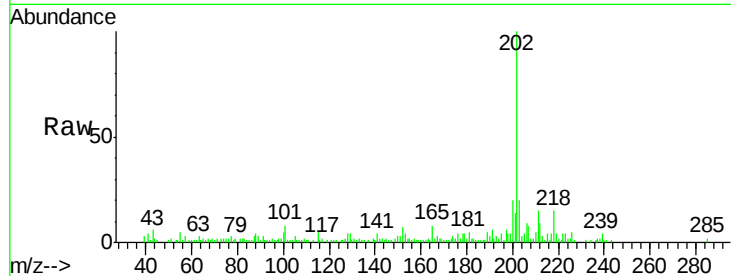
Tgt Ion:202 Resp: 81609

Ion Ratio Lower Upper

202 100

200 20.4 15.0 22.4

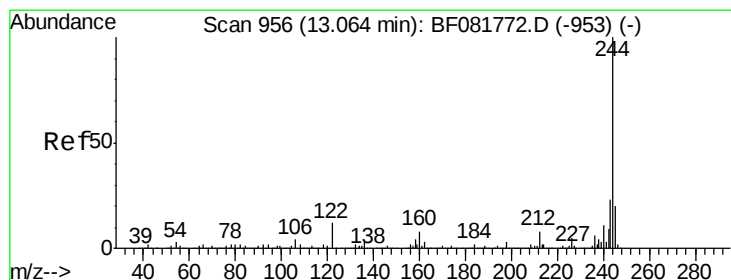
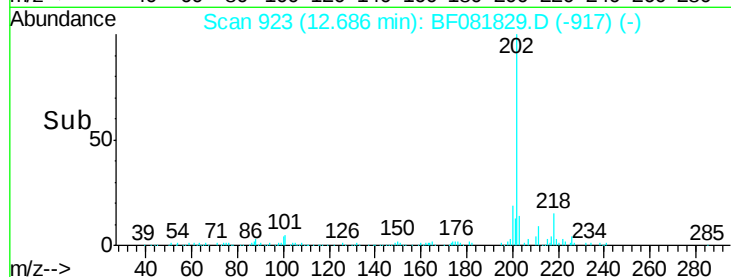
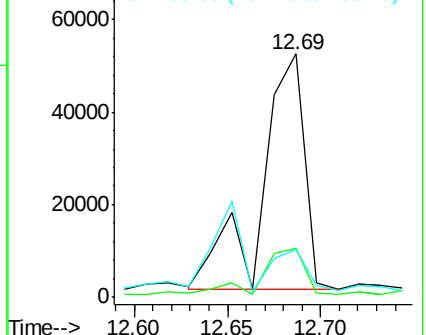
203 19.9 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 80.69 ng

RT: 13.06 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF081829.D

Acq: 26 Sep 2015 15:55

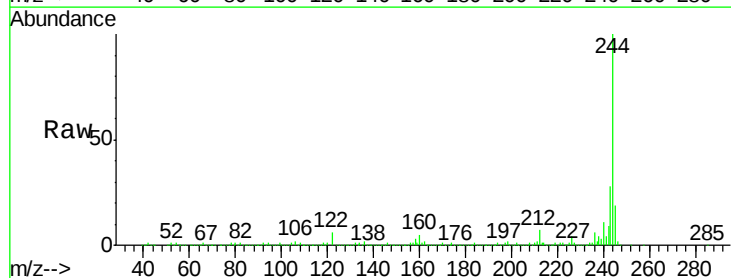
Tgt Ion:244 Resp: 1084645

Ion Ratio Lower Upper

244 100

212 6.9 4.3 6.5#

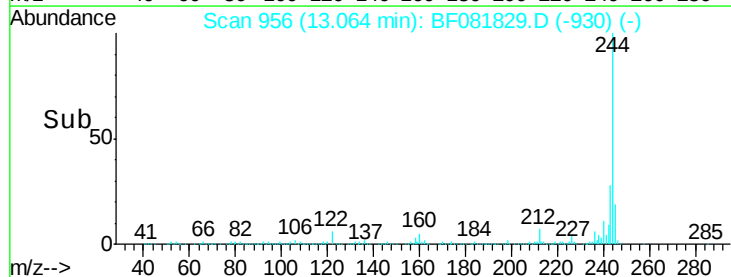
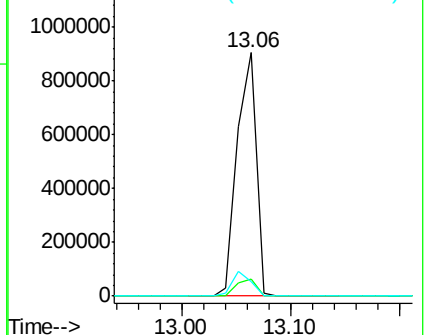
122 5.9 17.4 26.2#

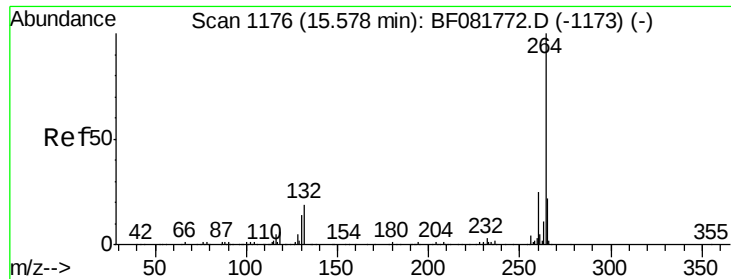


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.58 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF081829.D
Acq: 26 Sep 2015 15:55

Instrument :
BNA_F
ClientSampleId :
MW-11B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	16.7	25.1
265	21.3	17.2	25.8

