

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092915\
 Data File : BF081905.D
 Acq On : 30 Sep 2015 9:04
 Operator : UM/IZ
 Sample : G3754-06DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-7BDDL

Quant Time: Sep 30 11:20:03 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

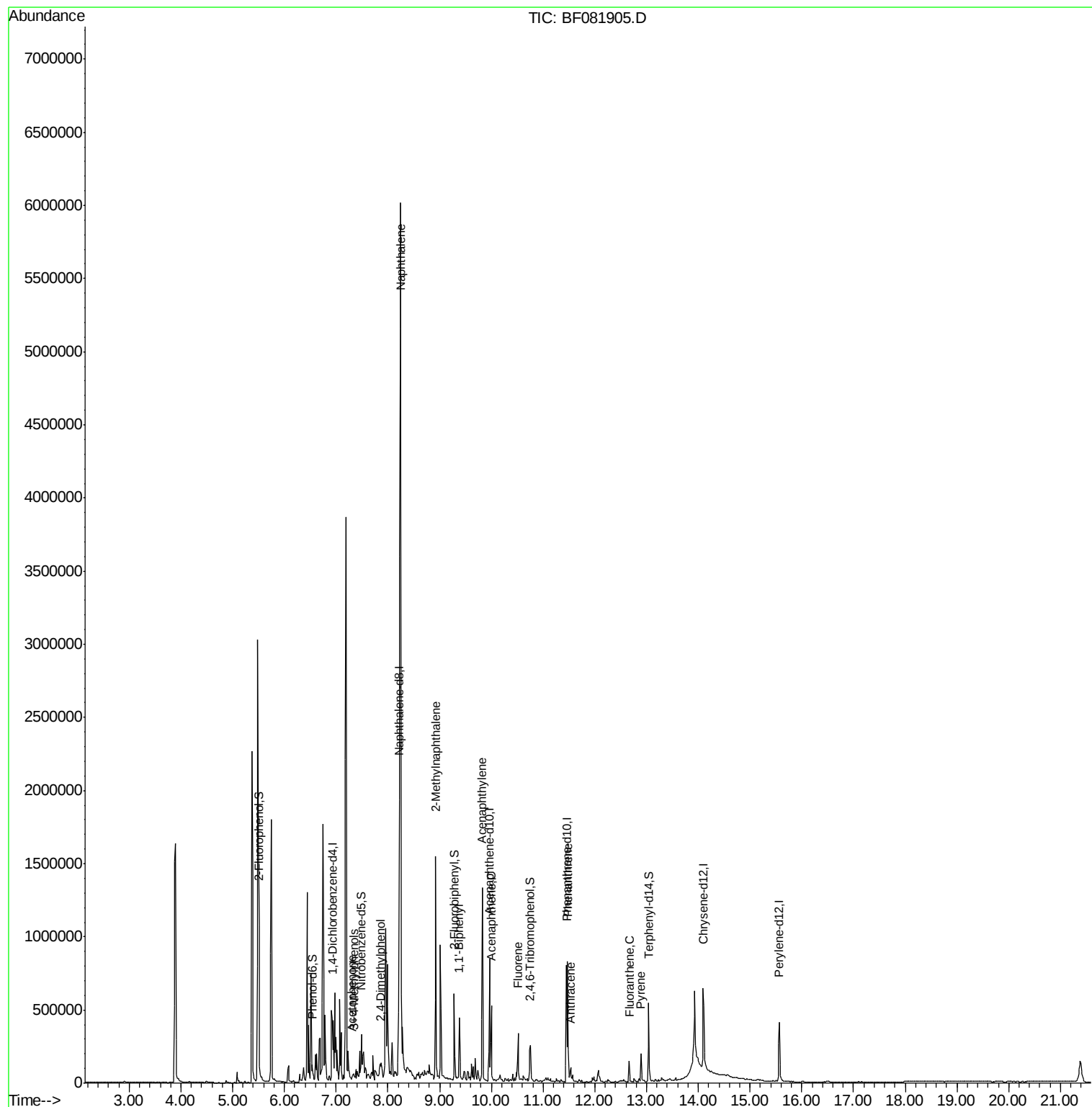
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	128920	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	458425	20.00	ng	0.00
38) Acenaphthene-d10	9.97	164	171752	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	331713	20.00	ng	-0.01
75) Chrysene-d12	14.09	240	308274	20.00	ng	-0.02
86) Perylene-d12	15.57	264	249159	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	68409	9.63	ng	-0.01
7) Phenol-d6	6.54	99	60458	6.77	ng	-0.02
23) Nitrobenzene-d5	7.49	82	141913	20.64	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	46849	26.93	ng	-0.01
44) 2-Fluorobiphenyl	9.28	172	208574	16.91	ng	-0.02
78) Terphenyl-d14	13.04	244	225346	18.18	ng	-0.01
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.34	107	17086	2.13	ng	# 51
22) Acetophenone	7.31	105	24246	2.59	ng	# 53
27) 2,4-Dimethylphenol	7.86	122	27773	4.40	ng	# 84
31) Naphthalene	8.25	128	5252394	258.57	ng	# 91
37) 2-Methylnaphthalene	8.93	142	467201	33.69	ng	# 89
45) 1,1'-Biphenyl	9.38	154	160293	12.10	ng	96
48) Acenaphthylene	9.83	152	609051	36.57	ng	96
51) Acenaphthene	10.00	154	140544	14.21	ng	88
57) Fluorene	10.51	166	135152	11.95	ng	90
70) Phenanthrene	11.47	178	327278	19.56	ng	97
71) Anthracene	11.53	178	75427	4.47	ng	99
74) Fluoranthene	12.66	202	71034	4.00	ng	88
77) Pvrene	12.89	202	92609	5.03	ng	97

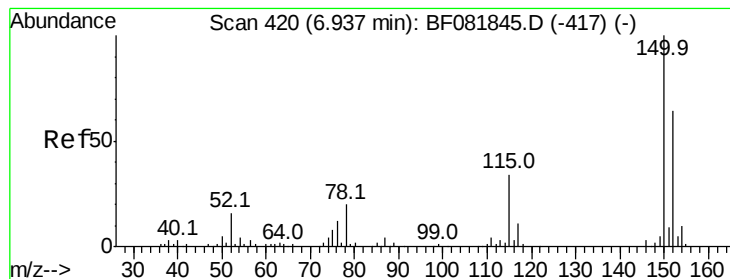
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF081905.D

Acq: 30 Sep 2015 9:04

Instrument :

BNA_F

ClientSampleId :

MW-7BDDL

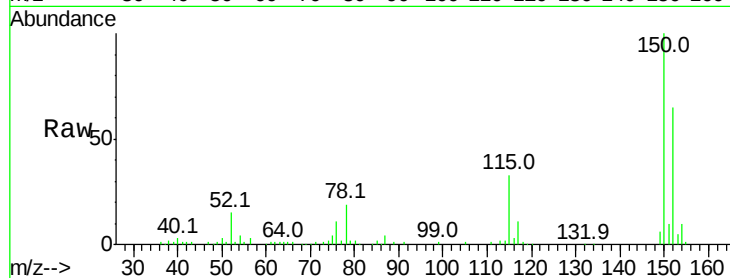
Tot Ion:152 Resp: 128920

Ion Ratio Lower Upper

152 100

150 154.8 124.7 187.1

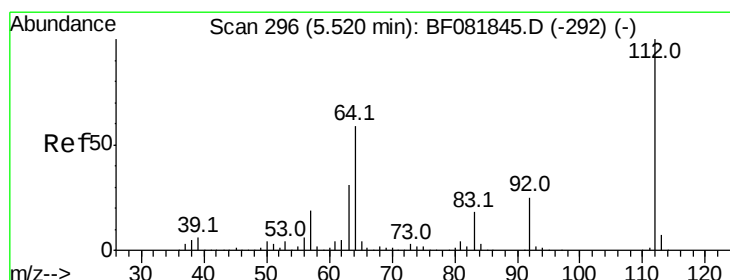
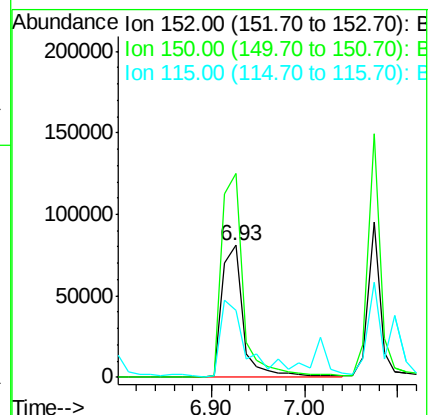
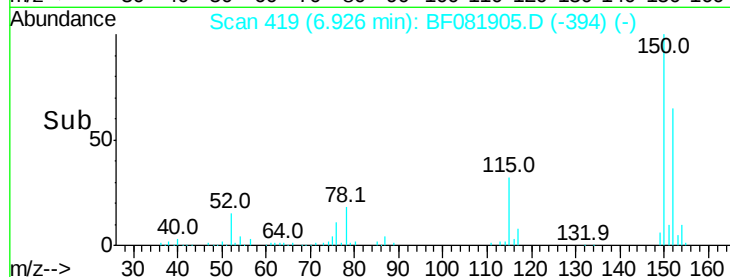
115 50.8 39.0 58.4



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: 9.63 ng

RT: 5.51 min Scan# 295

Delta R.T. -0.01 min

Lab File: BF081905.D

Acq: 30 Sep 2015 9:04

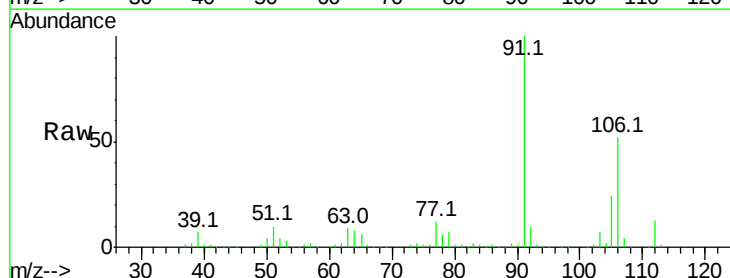
Tgt Ion:112 Resp: 68409

Ion Ratio Lower Upper

112 100

64 61.7 39.7 59.5#

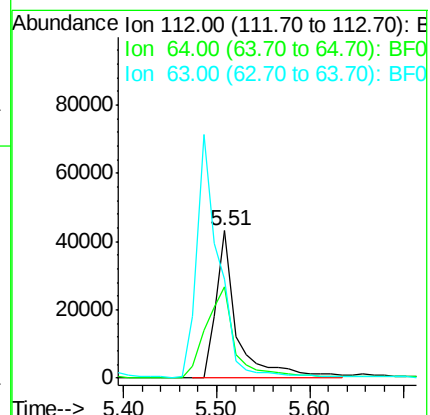
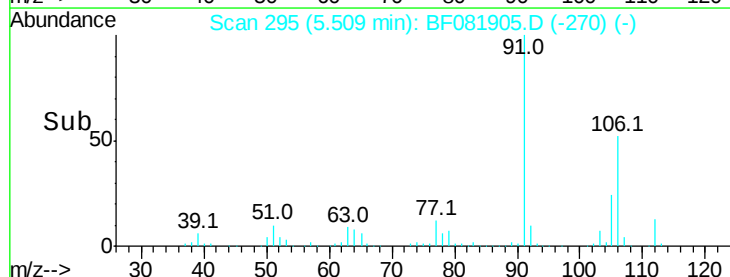
63 67.1 17.4 26.0#

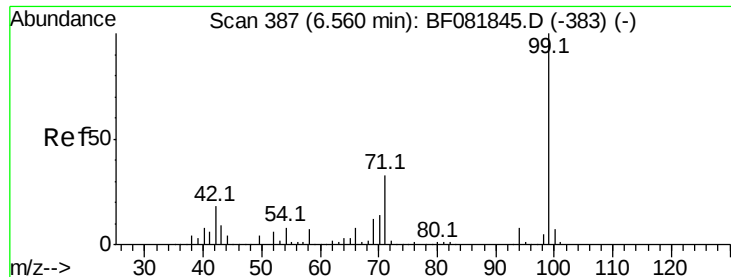


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 6.77 ng

RT: 6.54 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF081905.D

Acq: 30 Sep 2015 9:04

Instrument :

BNA_F

ClientSampleId :

MW-7BDDL

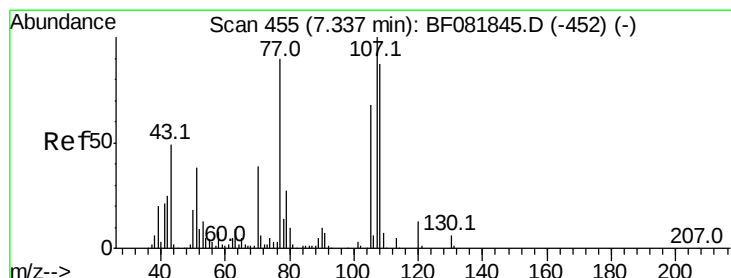
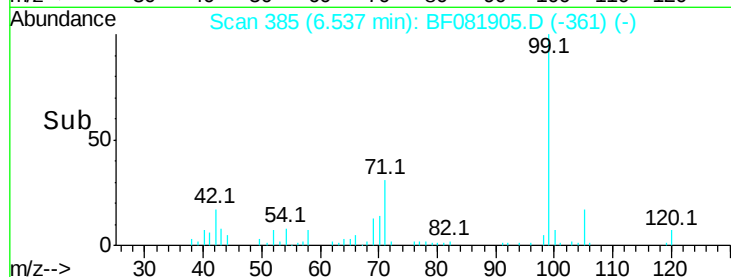
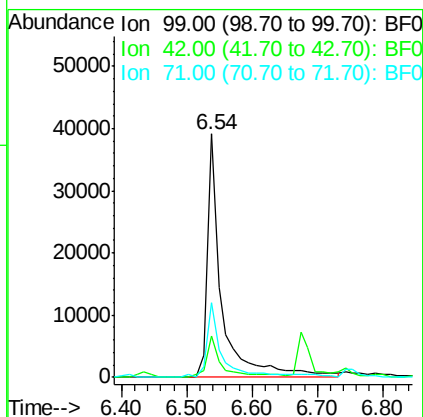
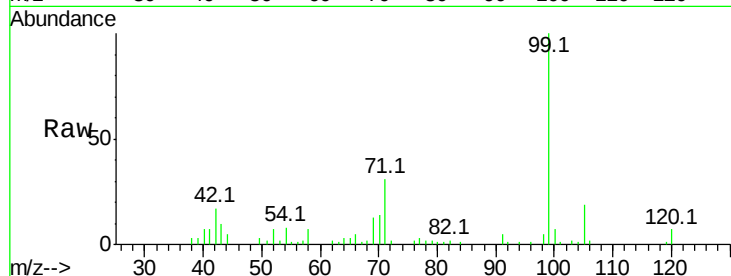
Tot Ion: 99 Resp: 60458

Ion Ratio Lower Upper

99 100

42 17.2 13.7 20.5

71 30.9 14.2 21.2#



#20

3+4-Methylphenols

Concen: 2.13 ng

RT: 7.34 min Scan# 455

Delta R.T. 0.00 min

Lab File: BF081905.D

Acq: 30 Sep 2015 9:04

Tgt Ion:107 Resp: 17086

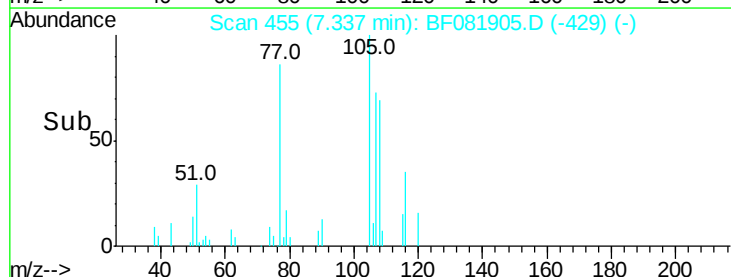
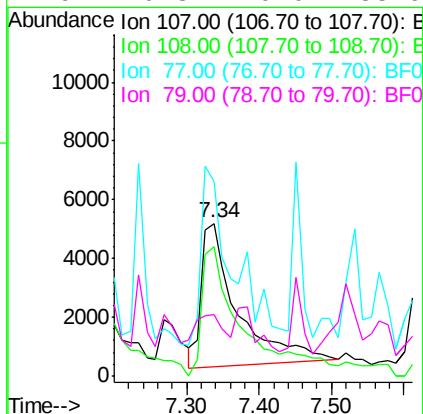
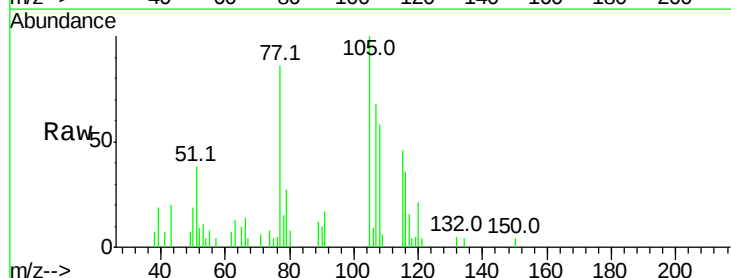
Ion Ratio Lower Upper

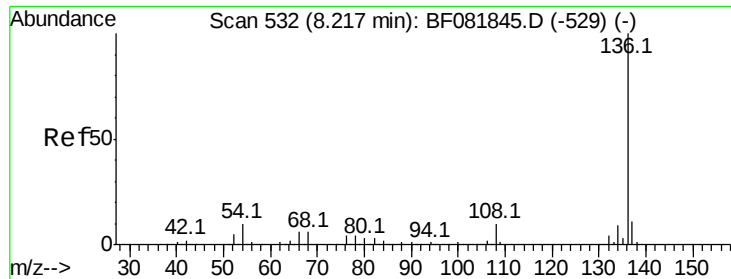
107 100

108 85.0 74.6 114.6

77 127.4 0.7 40.7#

79 40.3 0.0 38.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 532

Delta R.T. 0.00 min

Lab File: BF081905.D

Acq: 30 Sep 2015 9:04

Instrument :

BNA_F

ClientSampleId :

MW-7BDDL

Tot Ion:136 Resp: 458425

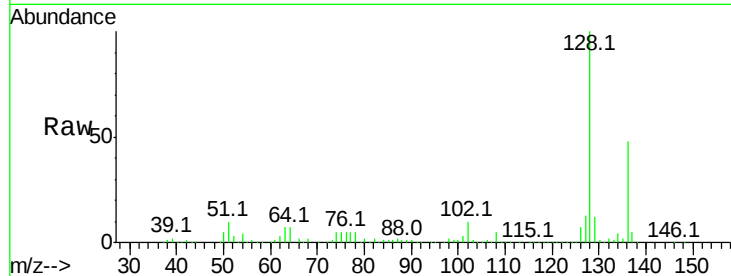
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 7.7 8.2 12.2#

68 5.2 5.8 8.6#

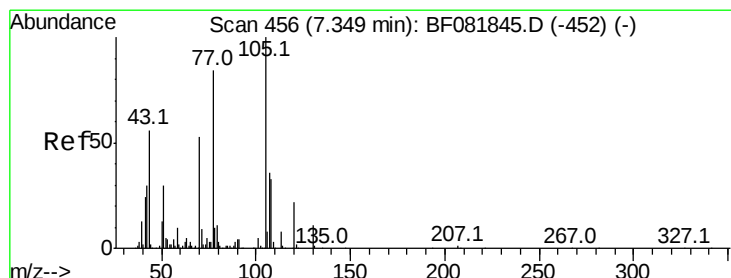
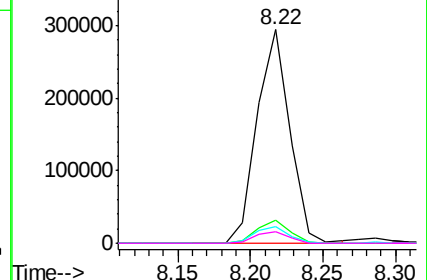
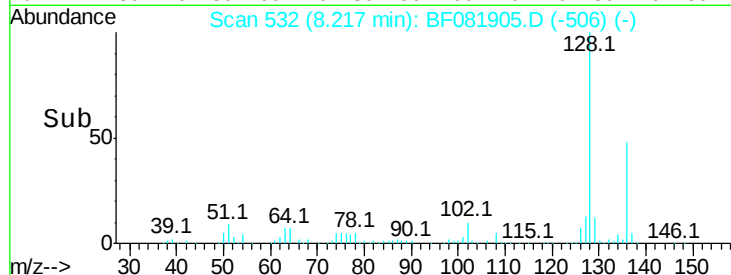


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.59 ng

RT: 7.31 min Scan# 453

Delta R.T. -0.03 min

Lab File: BF081905.D

Acq: 30 Sep 2015 9:04

Tgt Ion:105 Resp: 24246

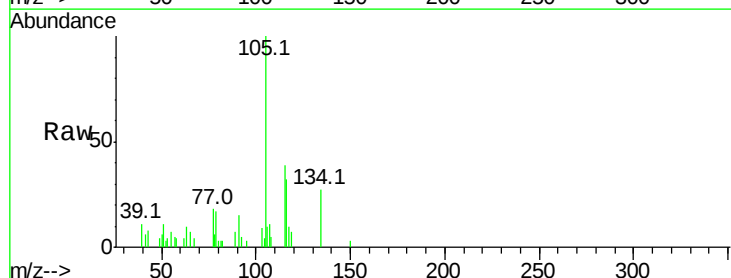
Ion Ratio Lower Upper

105 100

71 0.0 4.7 7.1#

51 10.7 22.0 33.0#

120 0.0 30.1 45.1#

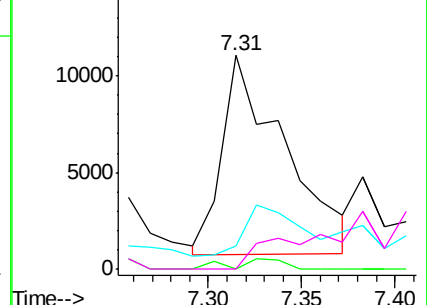
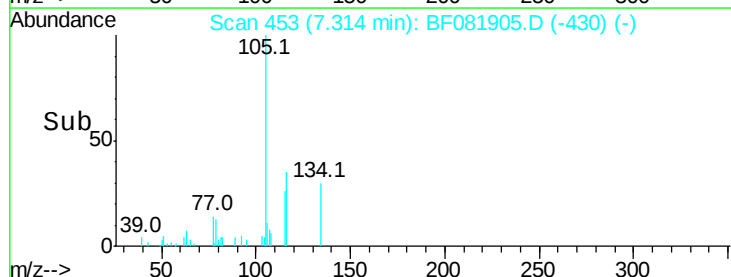


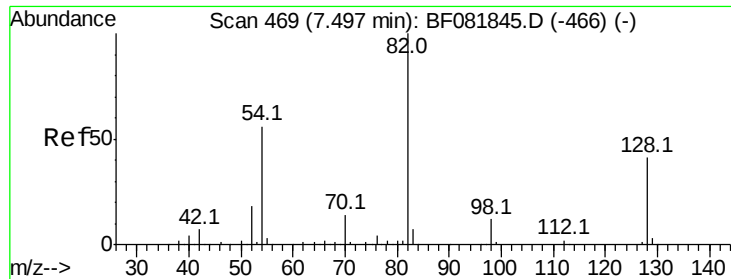
Abundance Ion 105.00 (104.70 to 105.70): E

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

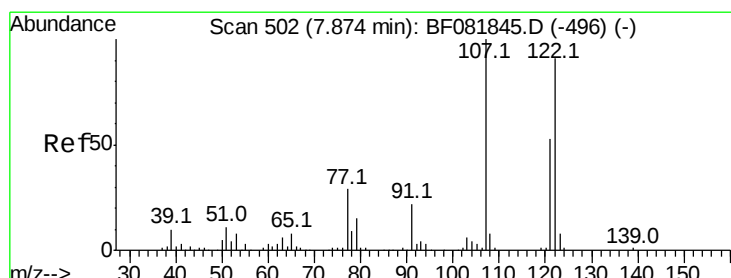
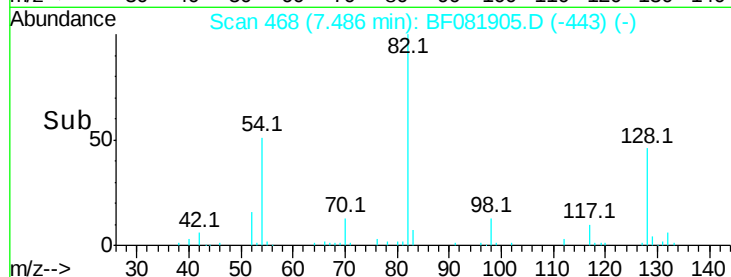
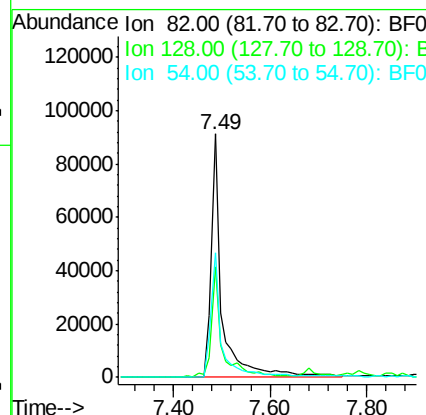
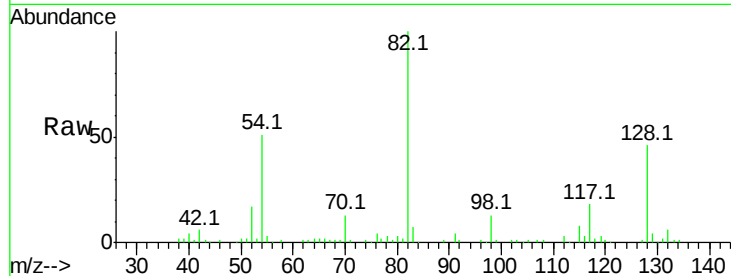




#23
Nitrobenzene-d5
Concen: 20.64 ng
RT: 7.49 min Scan# 468
Delta R.T. -0.01 min
Lab File: BF081905.D
Acq: 30 Sep 2015 9:04

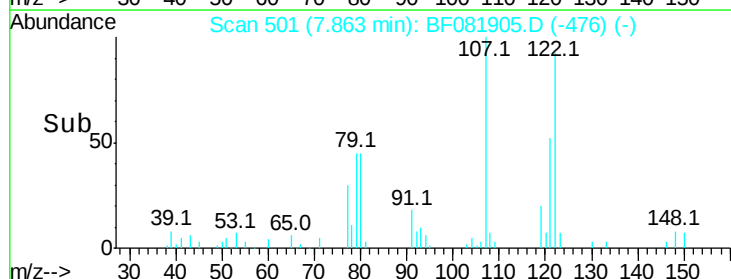
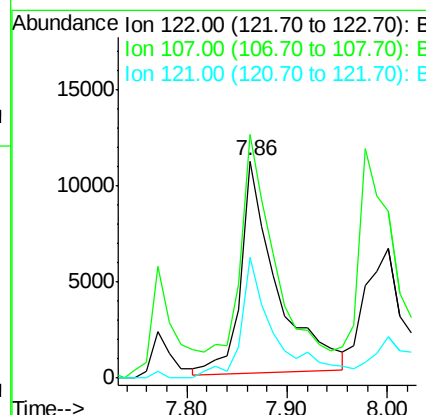
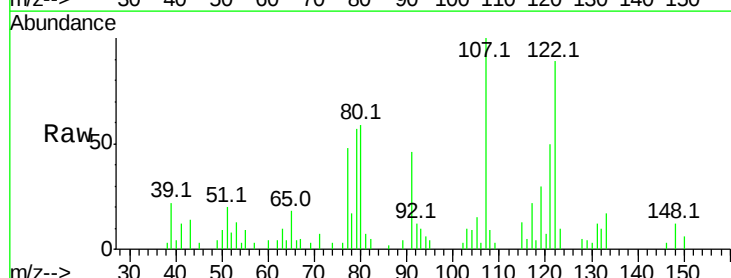
Instrument :
BNA_F
ClientSampleId :
MW-7BDDL

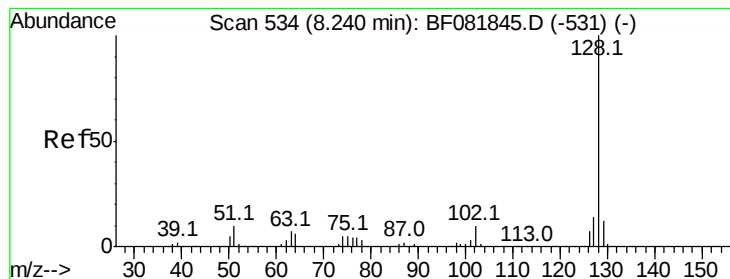
Tot Ion: 82 Resp: 141913
Ion Ratio Lower Upper
82 100
128 45.6 51.0 76.6#
54 51.0 47.5 71.3



#27
2,4-Dimethylphenol
Concen: 4.40 ng
RT: 7.86 min Scan# 501
Delta R.T. -0.01 min
Lab File: BF081905.D
Acq: 30 Sep 2015 9:04

Tgt Ion:122 Resp: 27773
Ion Ratio Lower Upper
122 100
107 112.0 71.8 107.6#
121 55.6 42.3 63.5





#31

Naphthalene

Concen: 258.57 ng

RT: 8.25 min Scan# 535

Delta R.T. 0.01 min

Lab File: BF081905.D

Acq: 30 Sep 2015 9:04

Instrument :

BNA_F

ClientSampleId :

MW-7BDDL

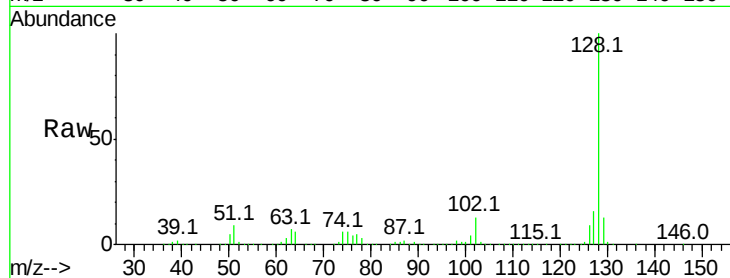
Tot Ion:128 Resp: 5252394

Ion Ratio Lower Upper

128 100

129 13.3 8.4 12.6#

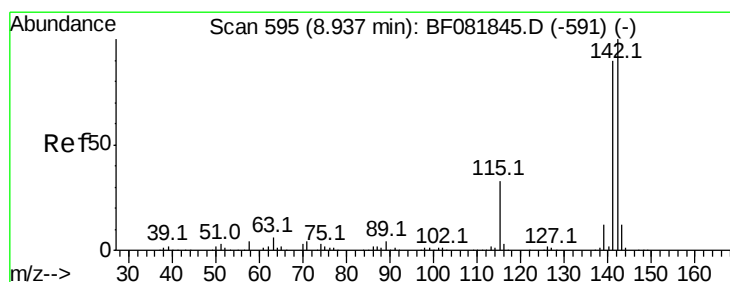
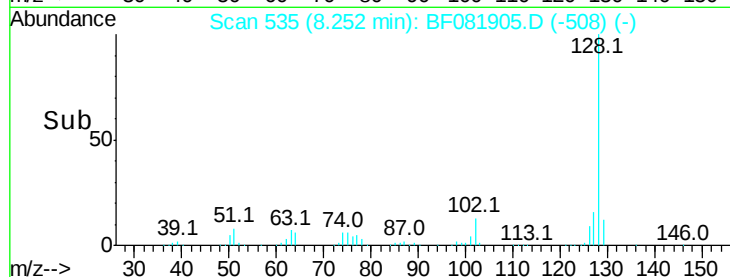
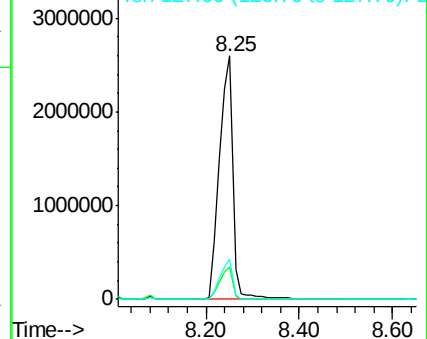
127 16.2 9.9 14.9#



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



#37

2-Methylnaphthalene

Concen: 33.69 ng

RT: 8.93 min Scan# 594

Delta R.T. -0.01 min

Lab File: BF081905.D

Acq: 30 Sep 2015 9:04

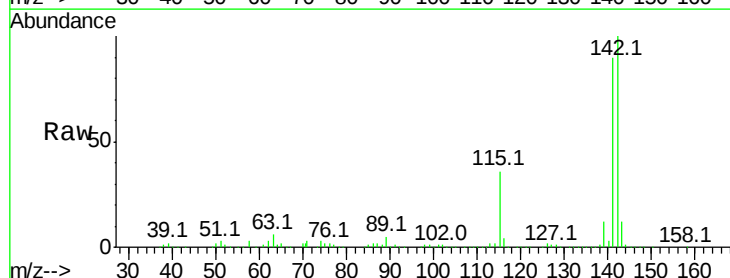
Tgt Ion:142 Resp: 467201

Ion Ratio Lower Upper

142 100

141 90.4 67.5 101.3

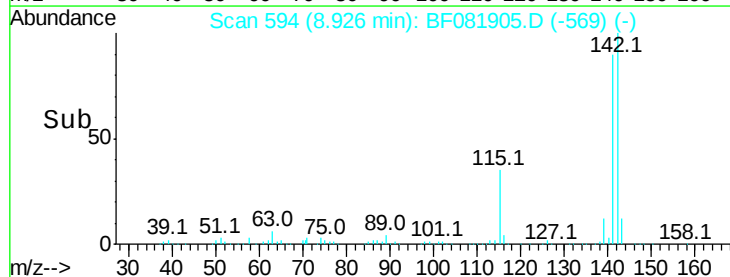
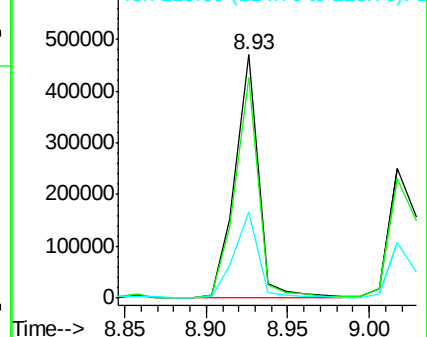
115 35.7 18.2 27.2#

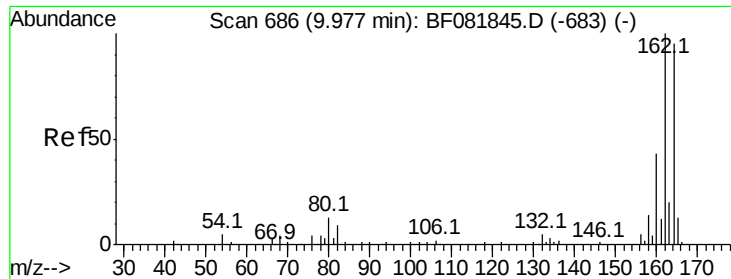


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

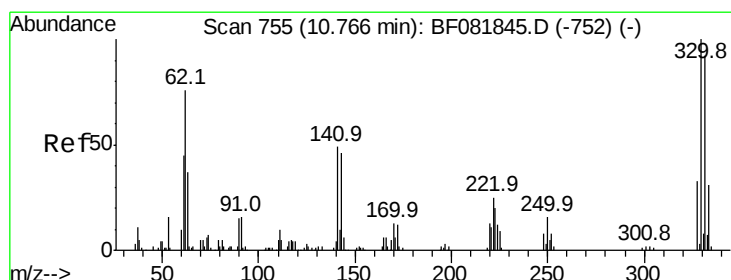
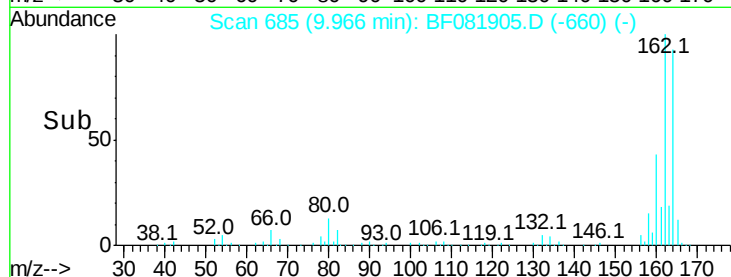
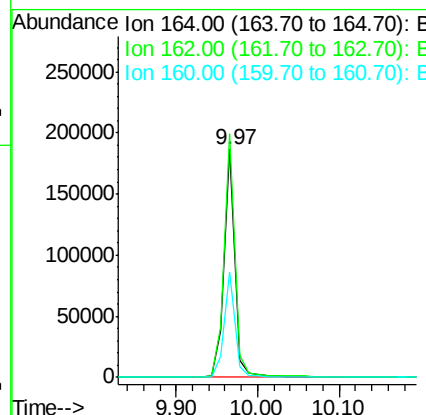
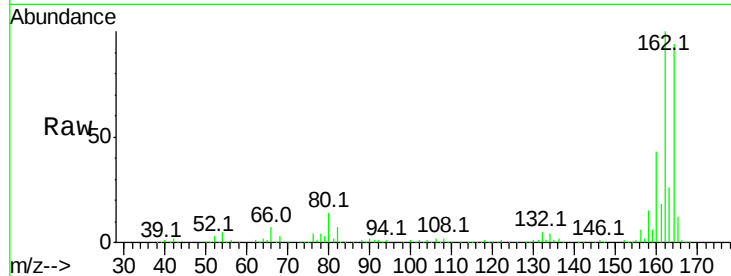




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.97 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF081905.D
Acq: 30 Sep 2015 9:04

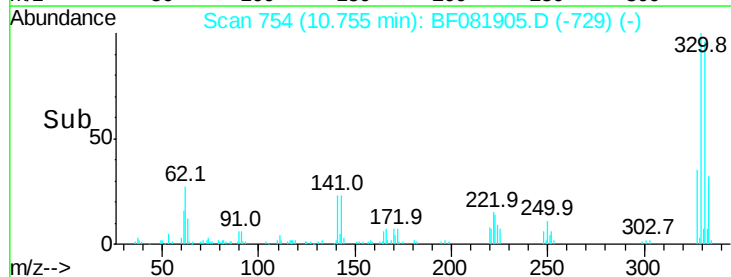
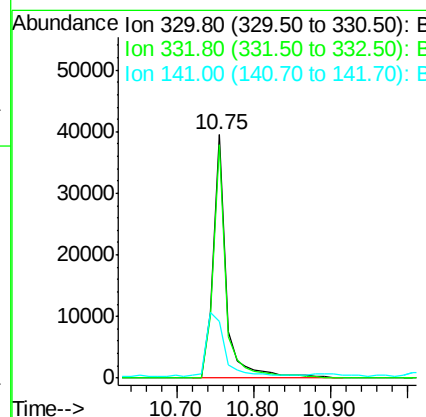
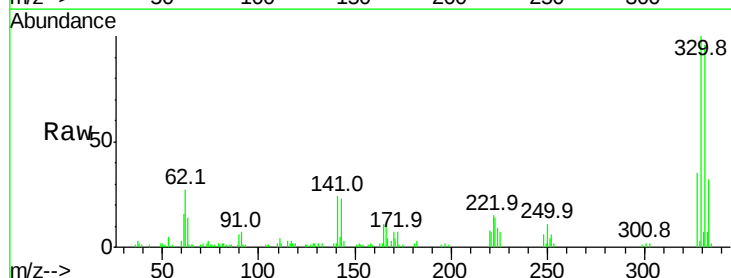
Instrument :
BNA_F
ClientSampleId :
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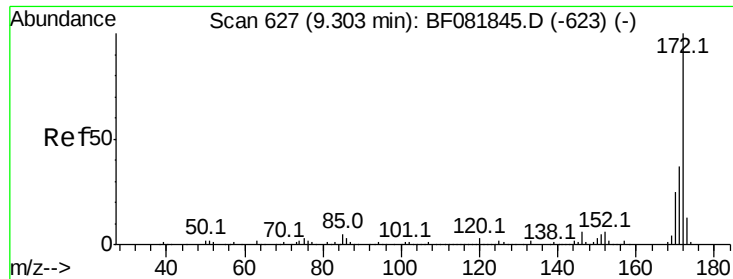
Tot Ion:164 Resp: 171752
Ion Ratio Lower Upper
164 100
162 106.9 75.2 112.8
160 46.3 31.5 47.3



#41
2,4,6-Tribromophenol
Concen: 26.93 ng
RT: 10.75 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF081905.D
Acq: 30 Sep 2015 9:04

Tgt Ion:330 Resp: 46849
Ion Ratio Lower Upper
330 100
332 94.1 76.6 114.8
141 35.3 29.7 44.5

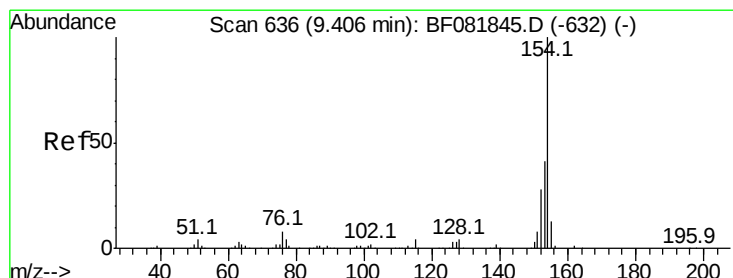
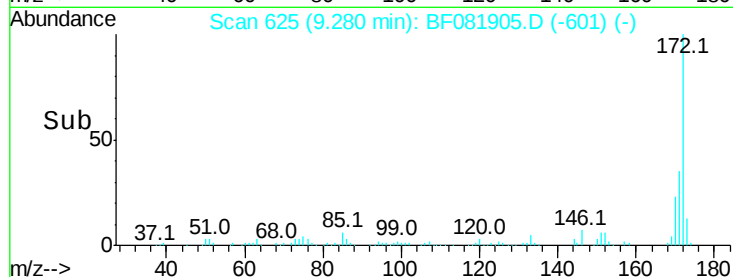
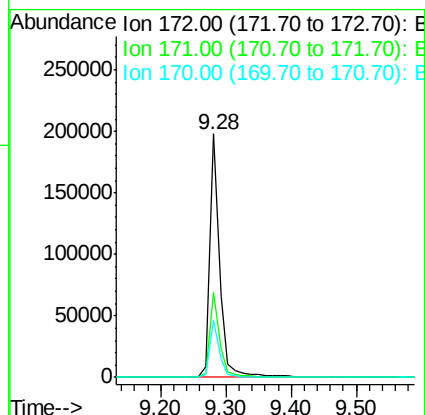
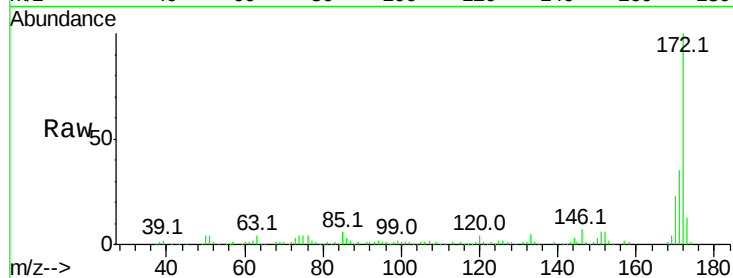




#44
 2-Fluorobiphenyl
 Concen: 16.91 ng
 RT: 9.28 min Scan# 625
 Delta R.T. -0.02 min
 Lab File: BF081905.D
 Acq: 30 Sep 2015 9:04

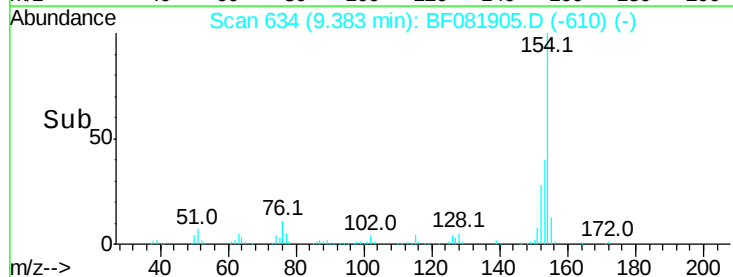
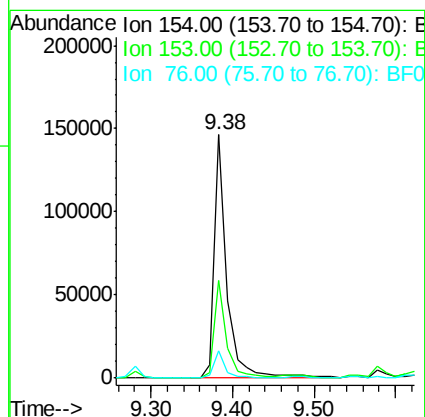
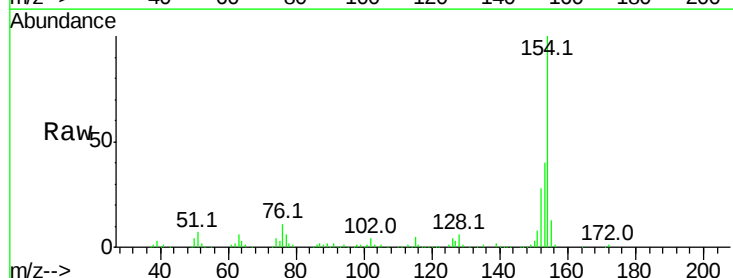
Instrument :
 BNA_F
 ClientSampleId :
 MW-7BDDL

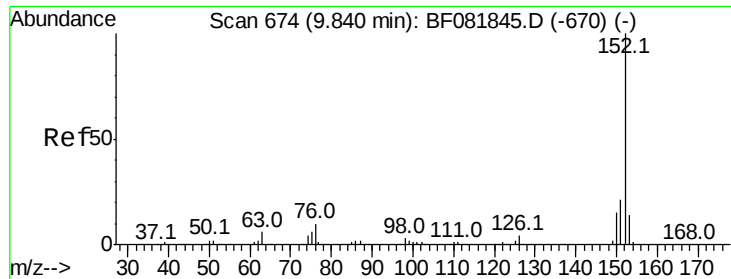
Tot Ion:172 Resp: 208574
 Ion Ratio Lower Upper
 172 100
 171 34.8 26.1 39.1
 170 23.5 17.4 26.2



#45
 1,1'-Biphenyl
 Concen: 12.10 ng
 RT: 9.38 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF081905.D
 Acq: 30 Sep 2015 9:04

Tgt Ion:154 Resp: 160293
 Ion Ratio Lower Upper
 154 100
 153 40.2 17.1 57.1
 76 11.2 0.0 31.6

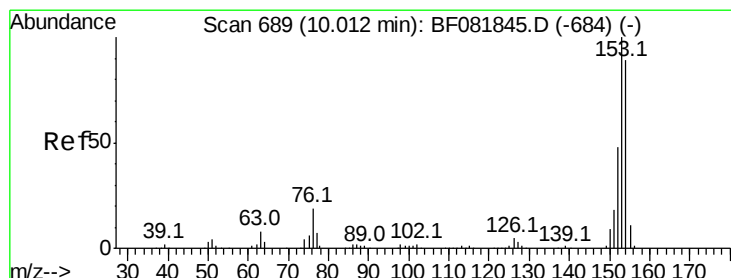
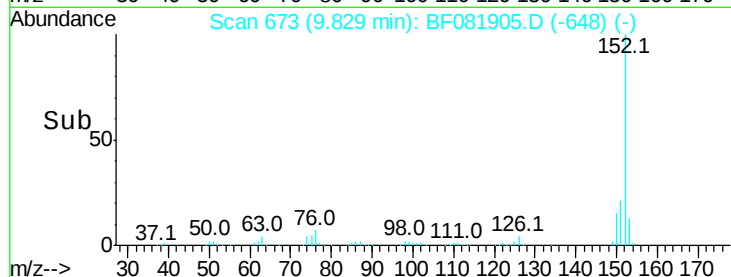
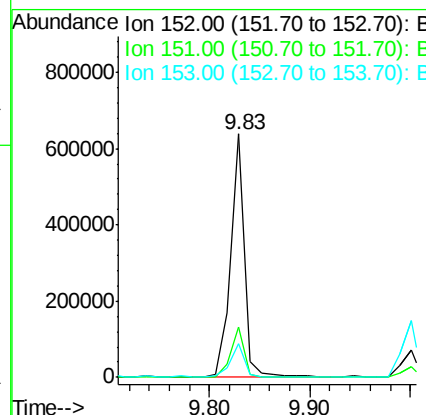
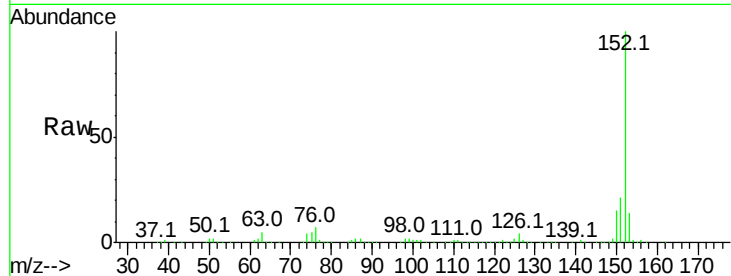




#48
Acenaphthylene
Concen: 36.57 ng
RT: 9.83 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF081905.D
Acq: 30 Sep 2015 9:04

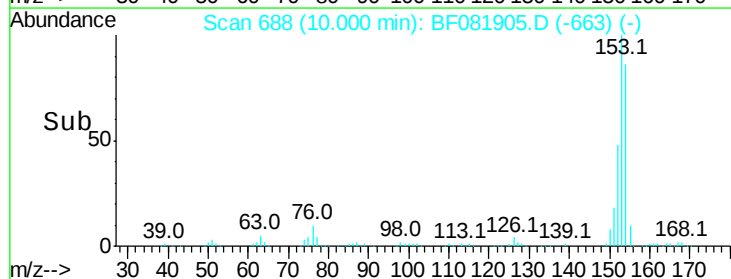
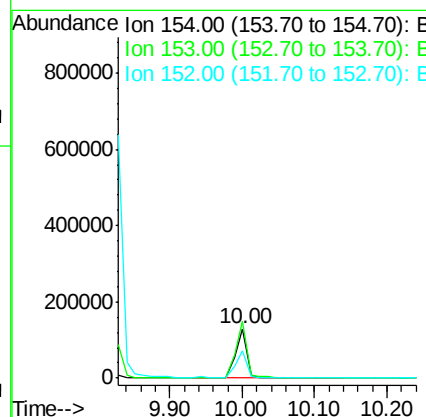
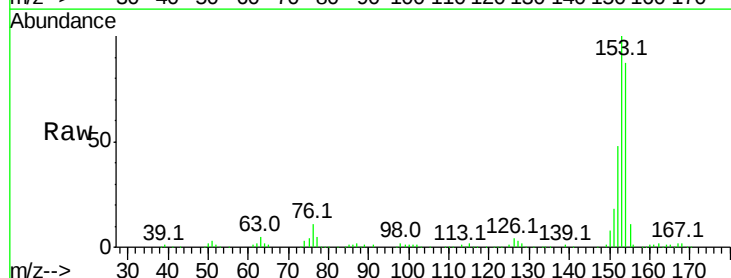
Instrument :
BNA_F
ClientSampleId :
MW-7BDDL

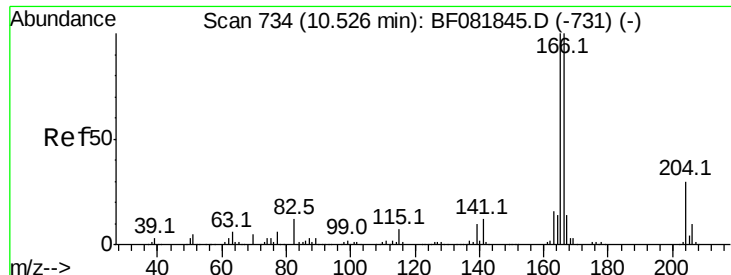
Tot Ion	Ratio	Lower	Upper
152	100		
151	20.9	14.6	22.0
153	13.7	10.3	15.5



#51
Acenaphthene
Concen: 14.21 ng
RT: 10.00 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF081905.D
Acq: 30 Sep 2015 9:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.2	82.1	123.1
152	55.3	37.9	56.9

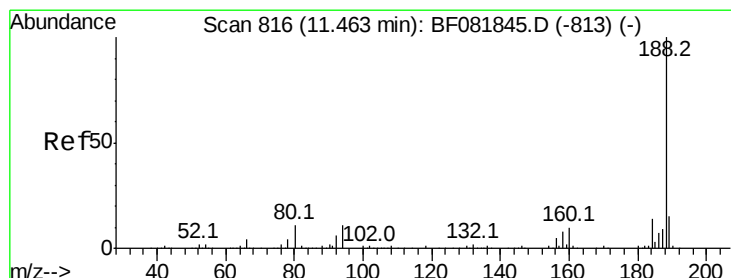
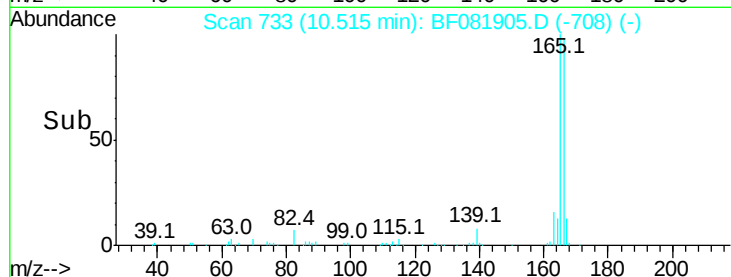
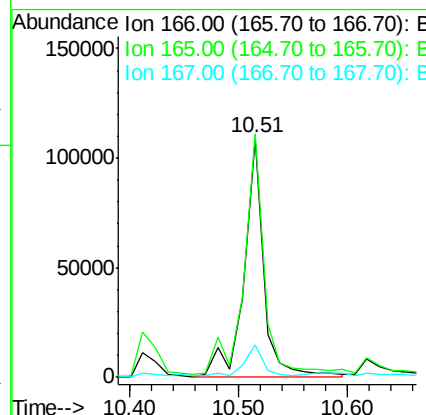
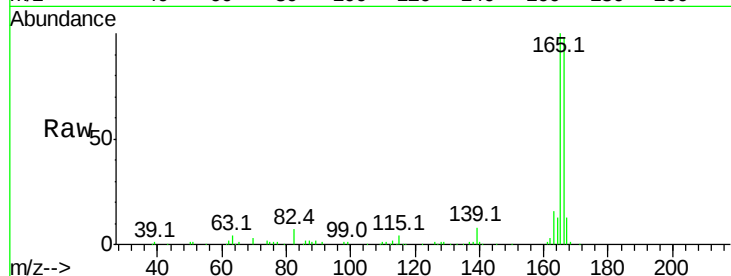




#57
Fluorene
 Concen: 11.95 ng
 RT: 10.51 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: BF081905.D
 Acq: 30 Sep 2015 9:04

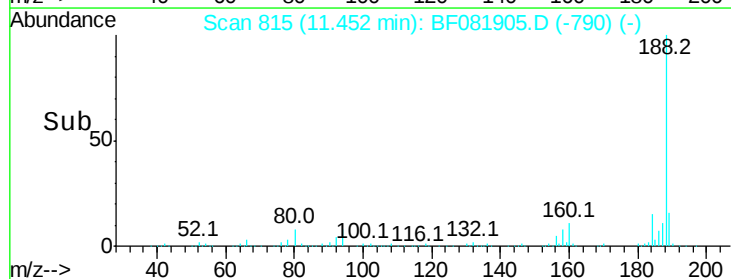
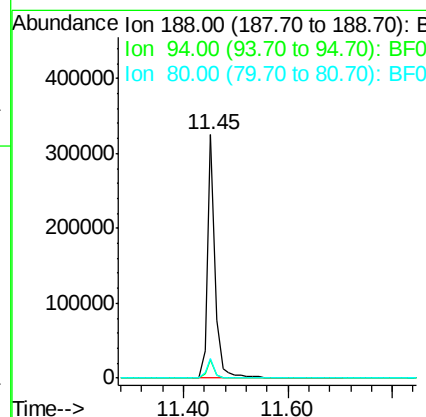
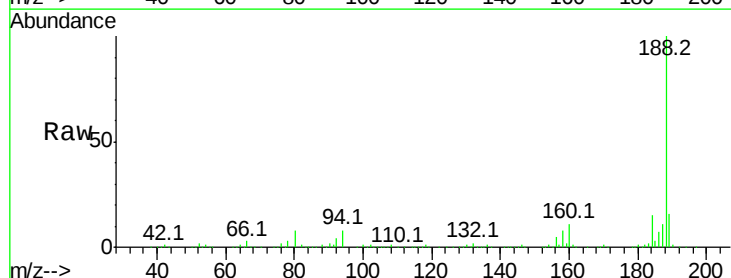
Instrument :
 BNA_F
 ClientSampleId :
 MW-7BDDL

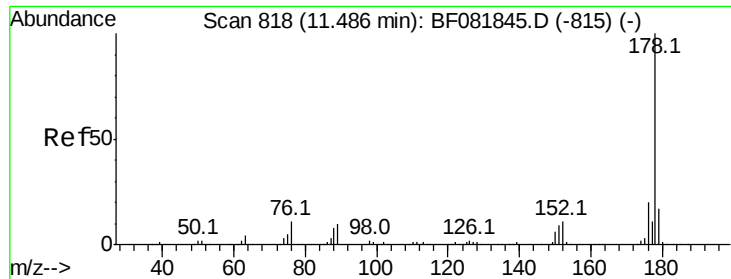
Tot Ion:166 Resp: 135152
 Ion Ratio Lower Upper
 166 100
 165 101.8 72.6 109.0
 167 13.6 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF081905.D
 Acq: 30 Sep 2015 9:04

Tgt Ion:188 Resp: 331713
 Ion Ratio Lower Upper
 188 100
 94 7.6 11.1 16.7#
 80 8.2 11.0 16.4#

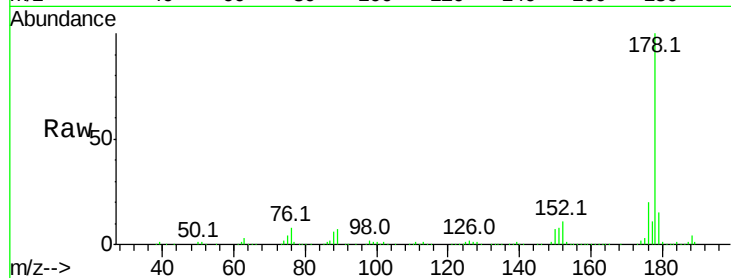




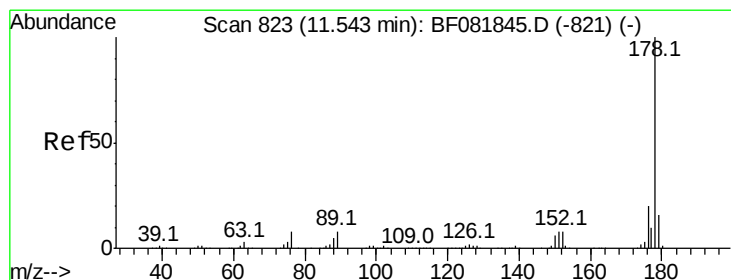
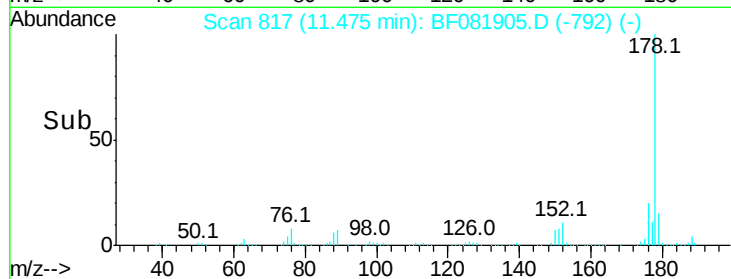
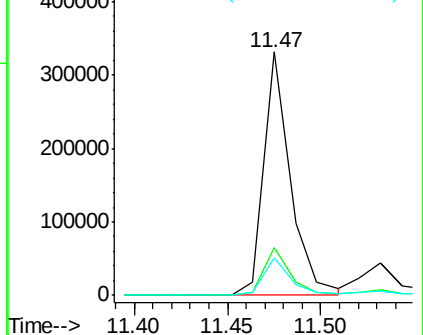
#70
Phenanthrene
Concen: 19.56 ng
RT: 11.47 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF081905.D
Acq: 30 Sep 2015 9:04

Instrument :
BNA_F
ClientSampleId :
MW-7BDDL

Tot Ion:178 Resp: 327278
Ion Ratio Lower Upper
178 100
176 19.7 13.8 20.8
179 15.3 12.2 18.2

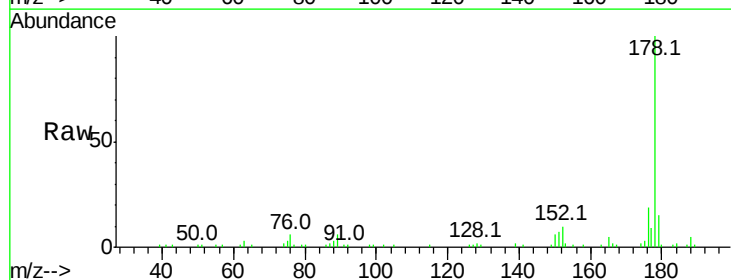


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

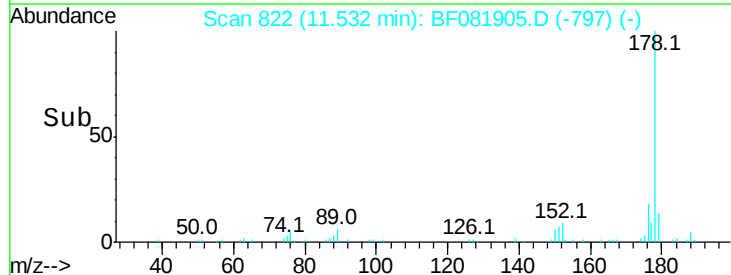
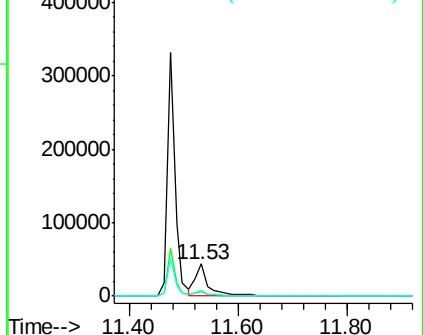


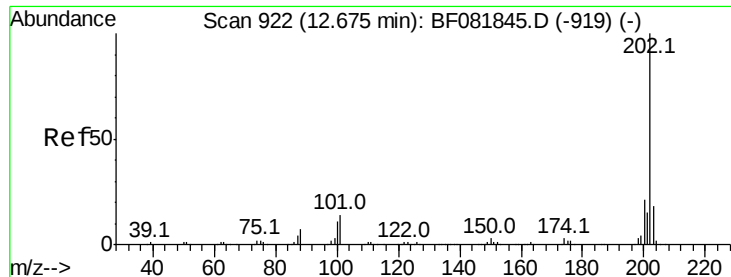
#71
Anthracene
Concen: 4.47 ng
RT: 11.53 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF081905.D
Acq: 30 Sep 2015 9:04

Tgt Ion:178 Resp: 75427
Ion Ratio Lower Upper
178 100
176 18.6 14.1 21.1
179 15.1 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: 4.00 ng

RT: 12.66 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF081905.D

Acq: 30 Sep 2015 9:04

Instrument :

BNA_F

ClientSampleId :

MW-7BDDL

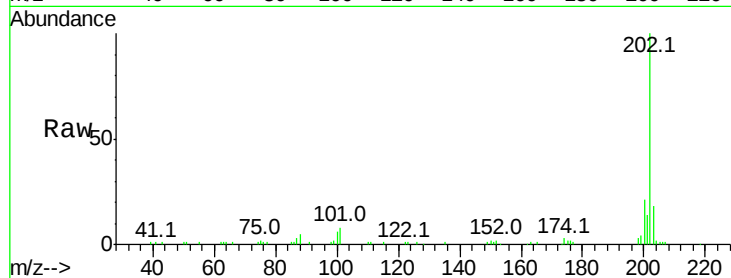
Tot Ion:202 Resp: 71034

Ion Ratio Lower Upper

202 100

101 8.5 0.0 38.3

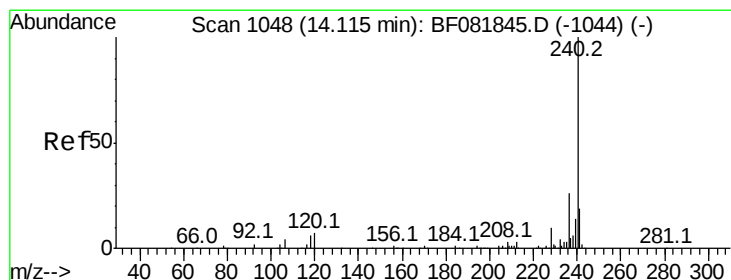
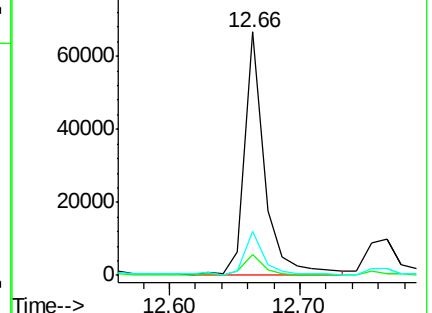
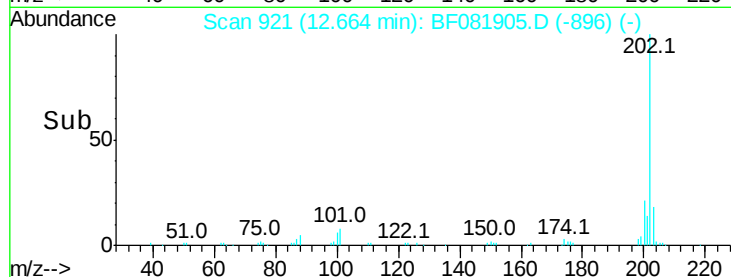
203 17.8 0.0 37.3



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: 14.09 min Scan# 1046

Delta R.T. -0.02 min

Lab File: BF081905.D

Acq: 30 Sep 2015 9:04

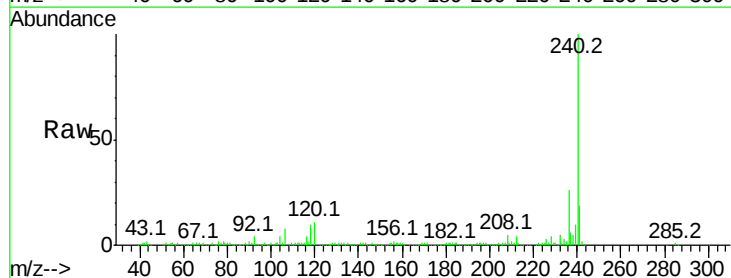
Tgt Ion:240 Resp: 308274

Ion Ratio Lower Upper

240 100

120 11.2 16.2 24.2#

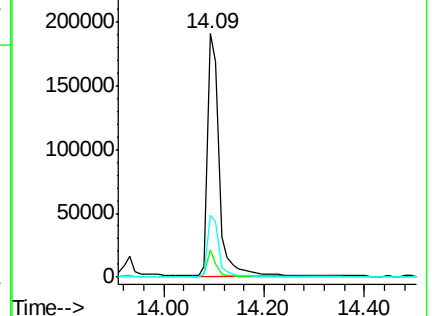
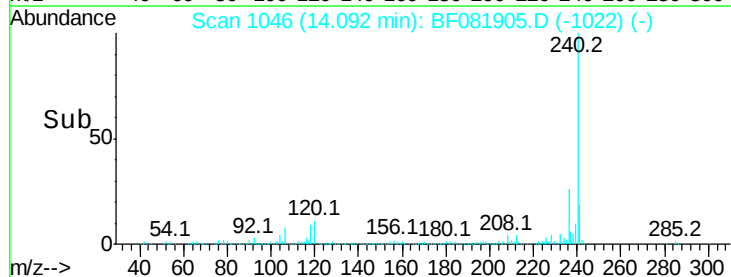
236 25.5 18.4 27.6

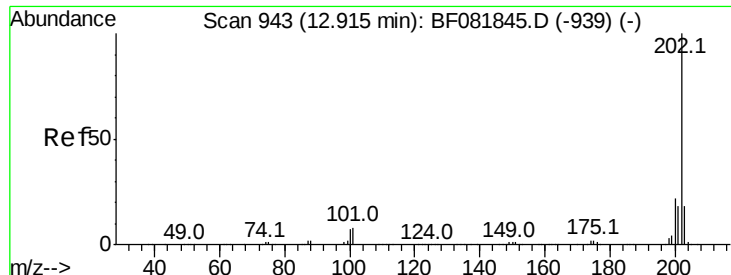


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

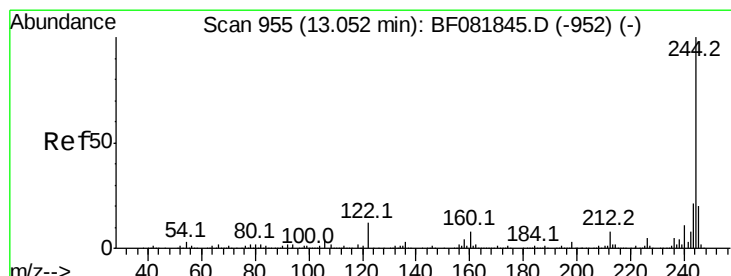
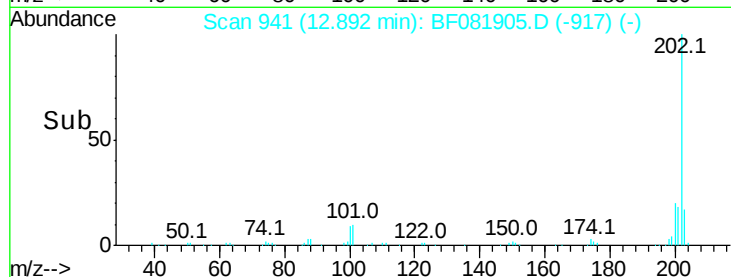
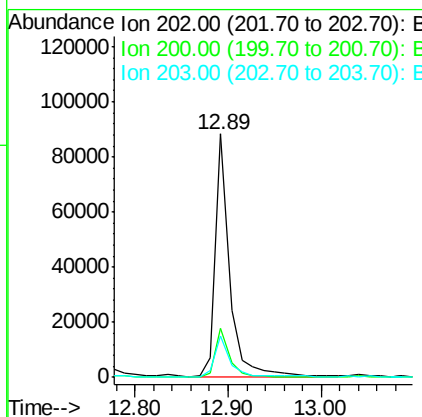
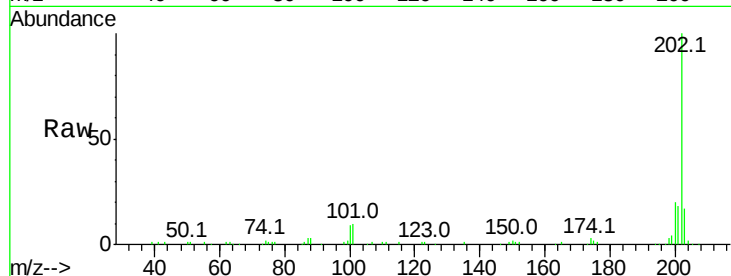




#77
Pvrene
Concen: 5.03 ng
RT: 12.89 min Scan# 941
Delta R.T. -0.02 min
Lab File: BF081905.D
Acq: 30 Sep 2015 9:04

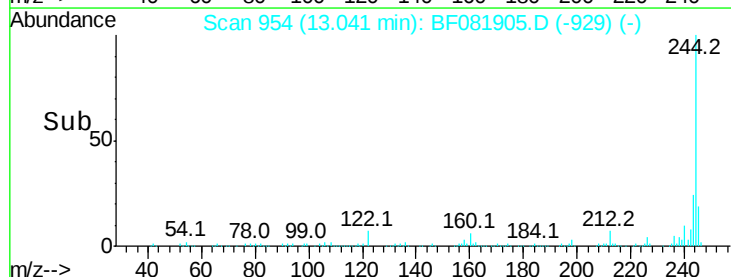
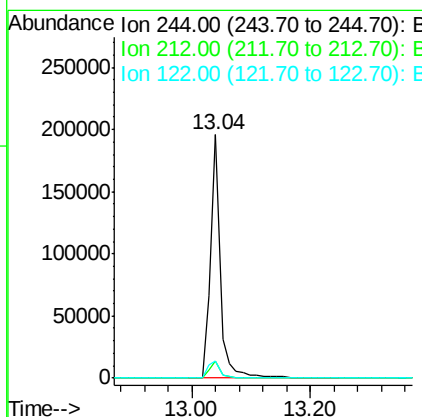
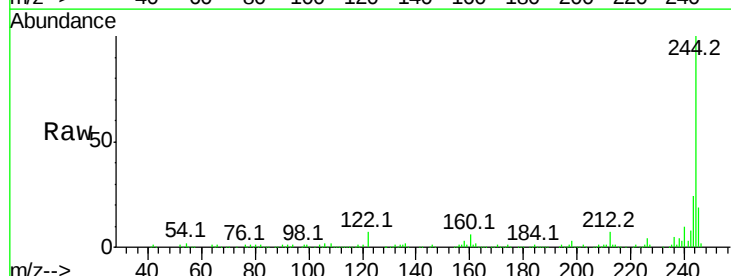
Instrument :
BNA_F
ClientSampleId :
MW-7BDDL

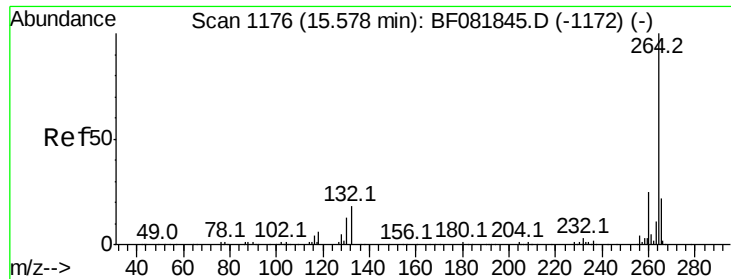
Tot Ion:202 Resp: 92609
Ion Ratio Lower Upper
202 100
200 20.4 15.0 22.4
203 17.0 14.1 21.1



#78
Terphenyl-d14
Concen: 18.18 ng
RT: 13.04 min Scan# 954
Delta R.T. -0.01 min
Lab File: BF081905.D
Acq: 30 Sep 2015 9:04

Tgt Ion:244 Resp: 225346
Ion Ratio Lower Upper
244 100
212 7.1 4.3 6.5#
122 7.1 17.4 26.2#





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF081905.D
Acq: 30 Sep 2015 9:04

Instrument :
BNA_F
ClientSampleId :
MW-7BDDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	16.7	25.1
265	21.0	17.2	25.8

