

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092515\
 Data File : BF081816.D
 Acq On : 25 Sep 2015 21:57
 Operator : UM/IZ
 Sample : G3704-14
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-13-9-15-15

Quant Time: Sep 25 23:25:25 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	6.95	152	180112	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	623819	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	305773	20.00	ng	-0.01
63) Phenanthrene-d10	11.47	188	499966	20.00	ng	0.00
75) Chrysene-d12	14.12	240	410764	20.00	ng	0.00
86) Perylene-d12	15.59	264	406008	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	592399	55.64	ng	0.00
7) Phenol-d6	6.56	99	452596	33.61	ng	-0.01
23) Nitrobenzene-d5	7.52	82	1123645	118.84	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	451815	170.20	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1630580	87.54	ng	0.00
78) Terphenyl-d14	13.08	244	1558441	86.67	ng	0.01

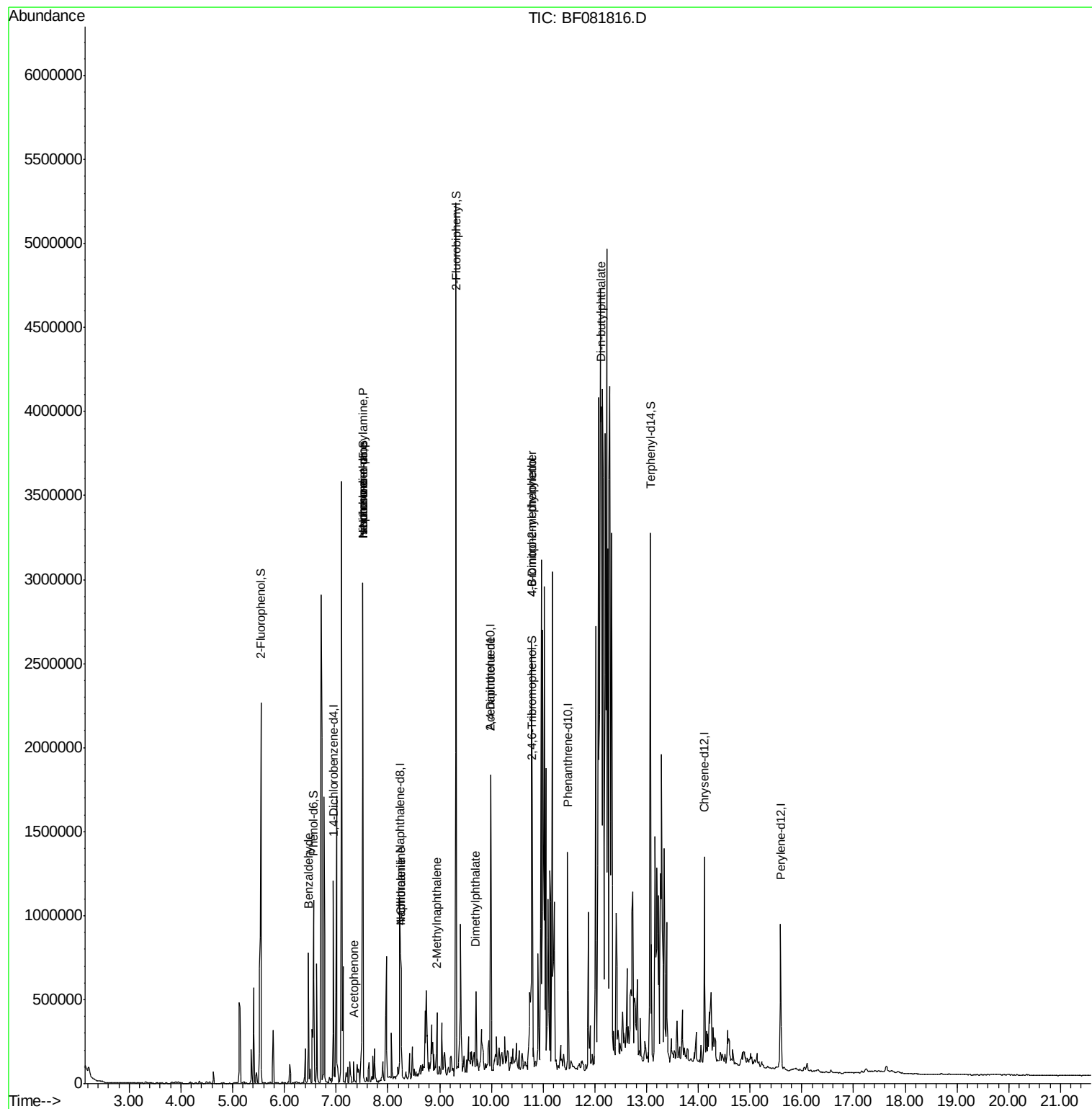
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	35401	4.45	ng	# 1
18) Hexachloroethane	7.52	117	78451	17.15	ng	# 27
19) n-Nitroso-di-n-propylamine	7.52	70	156430	17.43	ng	# 58
22) Acetophenone	7.34	105	42614	3.11	ng	# 49
25) Isophorone	7.52	82	1042460	49.77	ng	# 58
31) Naphthalene	8.25	128	263828	9.17	ng	# 98
33) 4-Chloroaniline	8.25	127	35891	2.84	ng	# 30
37) 2-Methylnaphthalene	8.95	142	103789	5.06	ng	# 91
49) Dimethylphthalate	9.70	163	126531	5.44	ng	# 86
56) 2,4-Dinitrotoluene	9.99	165	41829	7.78	ng	# 37
64) 4,6-Dinitro-2-methylphenol	10.78	198	901	8.67	ng	# 1
66) 4-Bromophenyl-phenylether	10.78	248	26977	4.85	ng	# 1
73) Di-n-butylphthalate	12.13	149	215451	6.92	ng	# 89

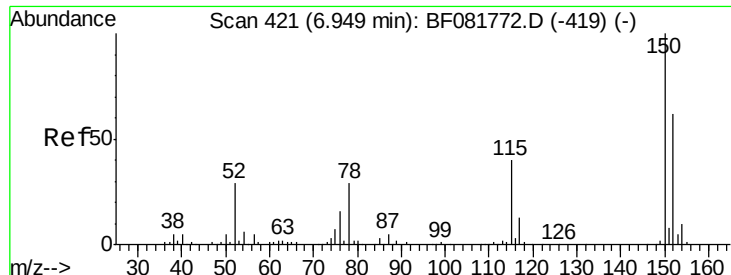
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 421

Delta R.T. 0.00 min

Lab File: BF081816.D

Acq: 25 Sep 2015 21:57

Instrument :

BNA_F

ClientSampleId :

MW-13-9-15-15

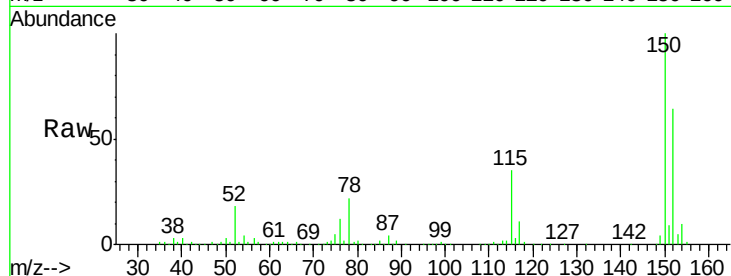
Tgt Ion:152 Resp: 180112

Ion Ratio Lower Upper

152 100

150 155.2 124.7 187.1

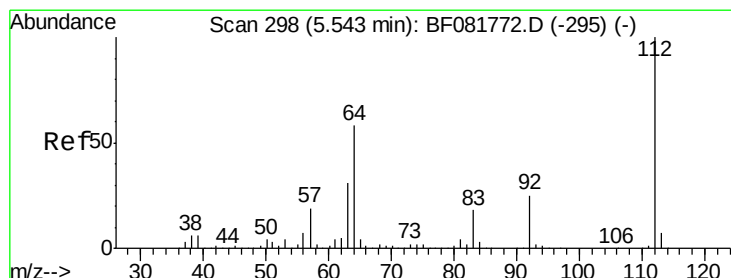
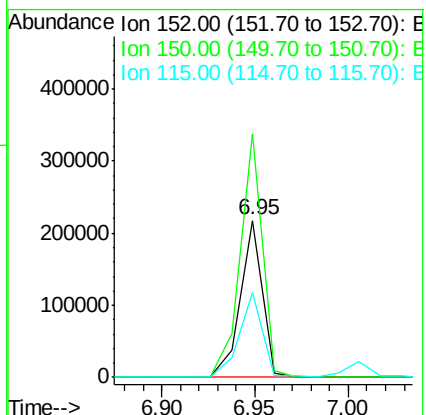
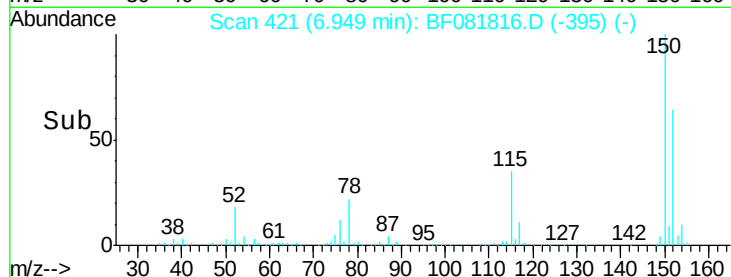
115 54.4 39.0 58.4



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: 55.64 ng

RT: 5.54 min Scan# 298

Delta R.T. 0.00 min

Lab File: BF081816.D

Acq: 25 Sep 2015 21:57

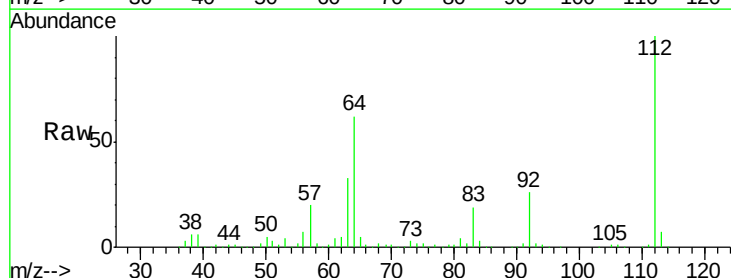
Tgt Ion:112 Resp: 592399

Ion Ratio Lower Upper

112 100

64 62.2 39.7 59.5#

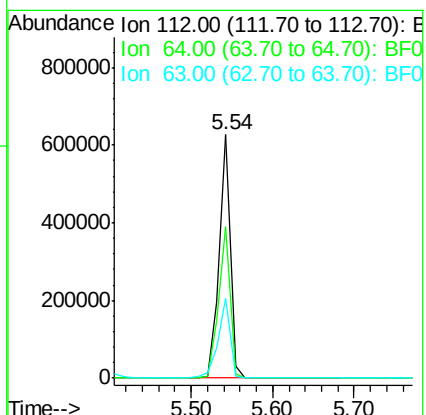
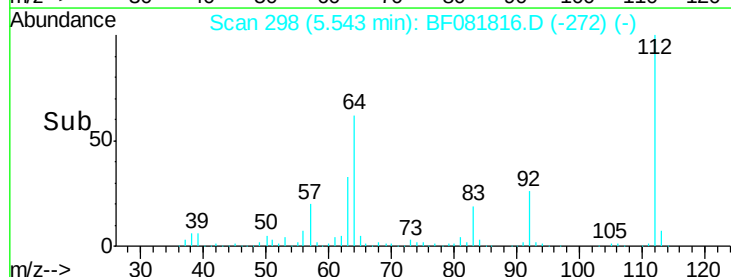
63 32.9 17.4 26.0#

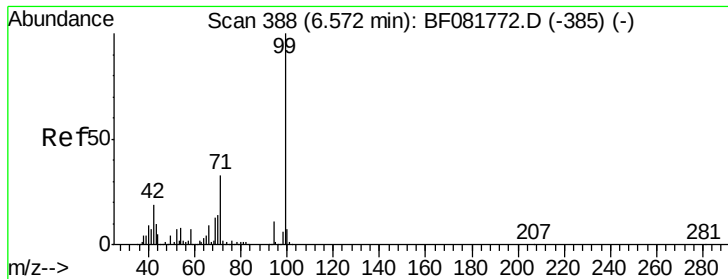


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 33.61 ng

RT: 6.56 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF081816.D

Acq: 25 Sep 2015 21:57

Instrument :

BNA_F

ClientSampleId :

MW-13-9-15-15

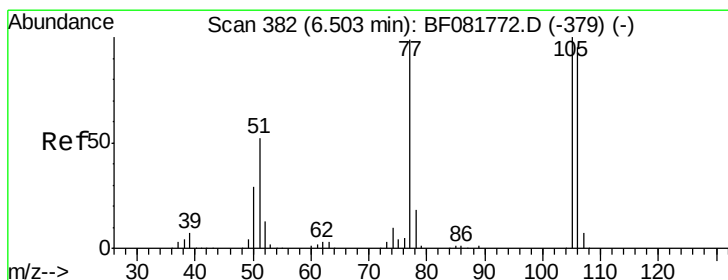
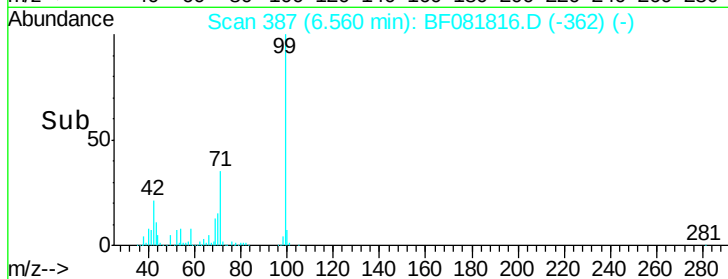
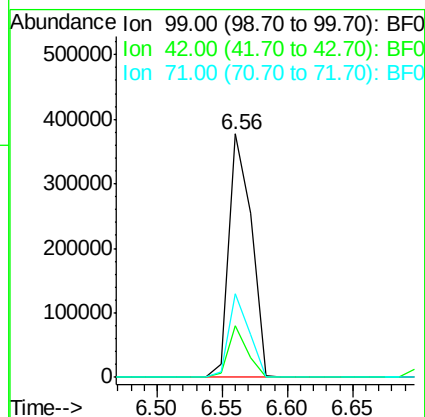
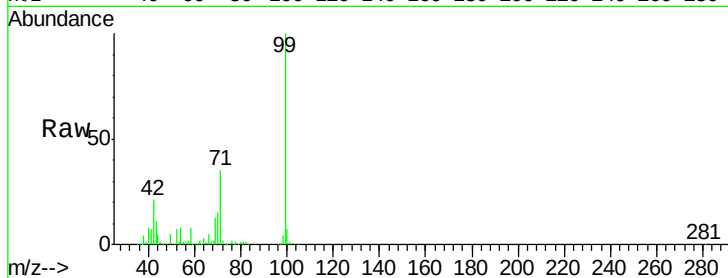
Tgt Ion: 99 Resp: 452596

Ion Ratio Lower Upper

99 100

42 21.0 13.7 20.5#

71 34.6 14.2 21.2#



#9

Benzaldehyde

Concen: 4.45 ng

RT: 6.47 min Scan# 379

Delta R.T. -0.03 min

Lab File: BF081816.D

Acq: 25 Sep 2015 21:57

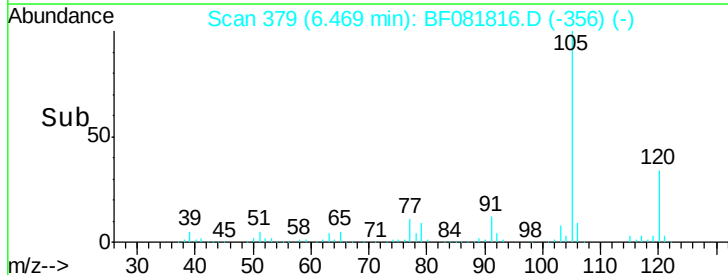
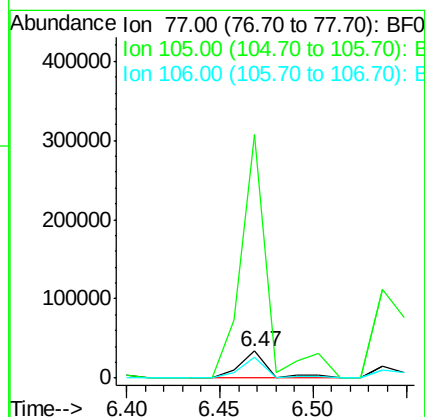
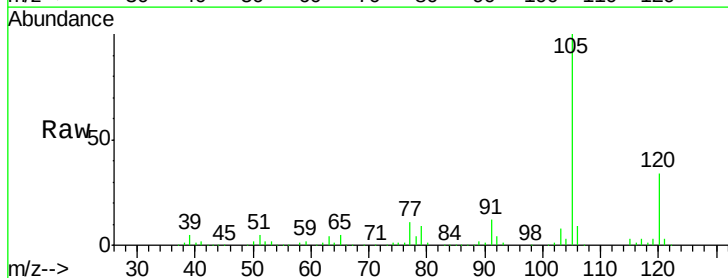
Tgt Ion: 77 Resp: 35401

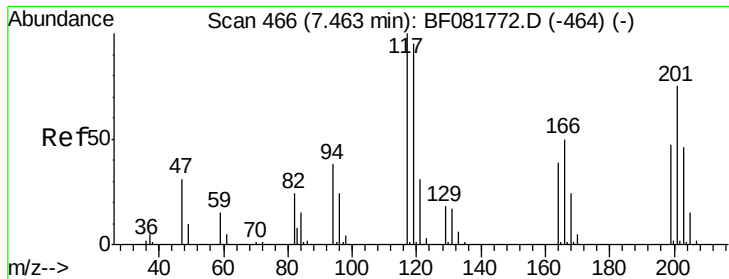
Ion Ratio Lower Upper

77 100

105 899.0 91.6 131.6#

106 77.3 102.6 142.6#

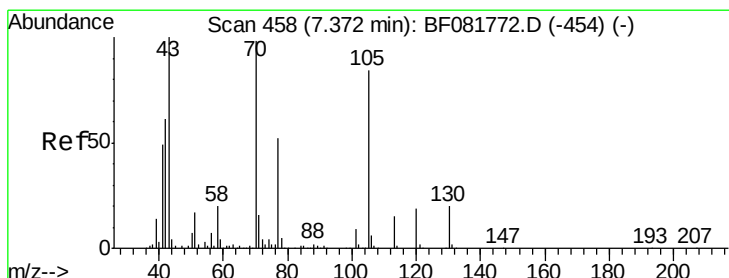
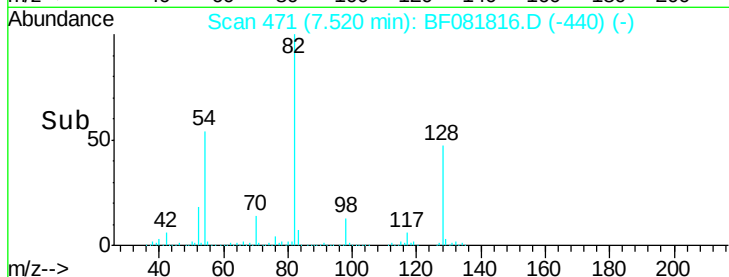
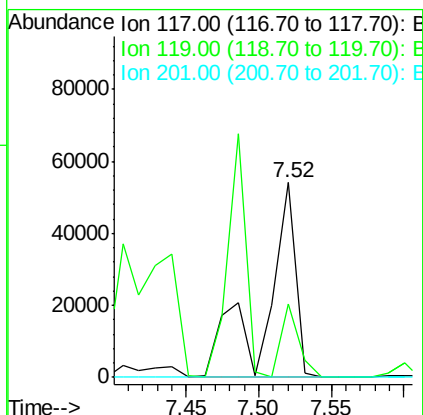
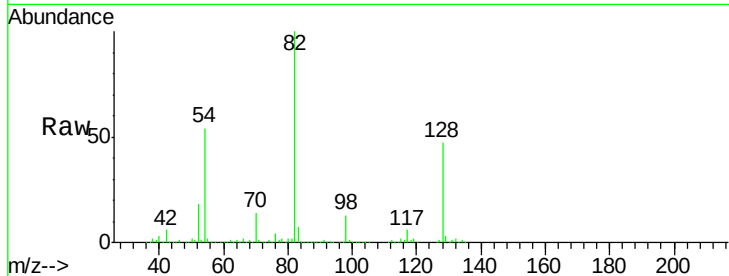




#18
Hexachloroethane
Concen: 17.15 ng
RT: 7.52 min Scan# 471
Delta R.T. 0.06 min
Lab File: BF081816.D
Acq: 25 Sep 2015 21:57

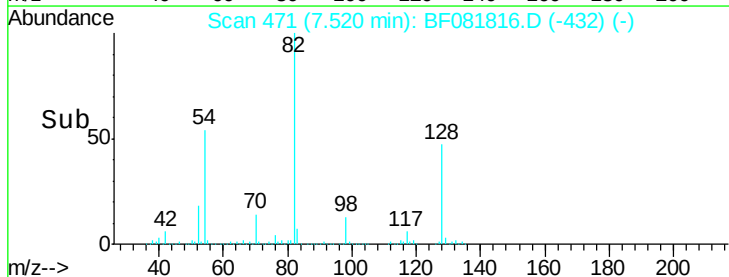
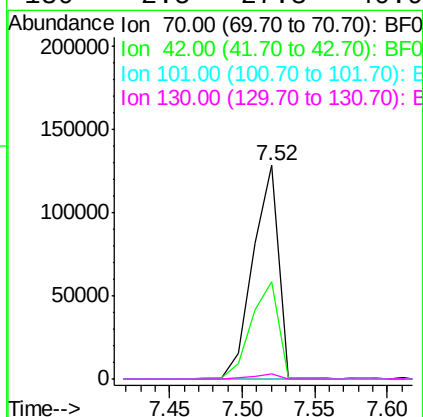
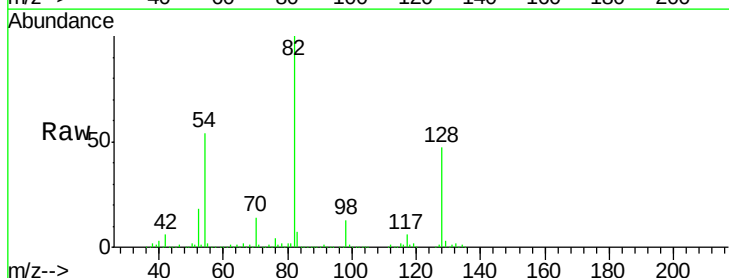
Instrument :
BNA_F
ClientSampleId :
MW-13-9-15-15

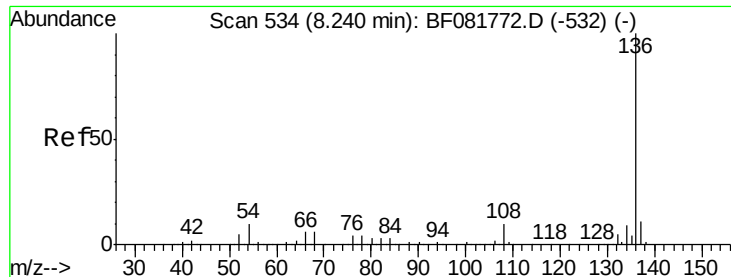
Tgt Ion: 117 Resp: 78451
Ion Ratio Lower Upper
117 100
119 37.8 83.8 125.6#
201 0.0 55.1 82.7#



#19
n-Nitroso-di-n-propylamine
Concen: 17.43 ng
RT: 7.52 min Scan# 471
Delta R.T. 0.15 min
Lab File: BF081816.D
Acq: 25 Sep 2015 21:57

Tgt Ion: 70 Resp: 156430
Ion Ratio Lower Upper
70 100
42 45.5 63.8 95.6#
101 0.3 9.2 13.8#
130 2.5 27.3 40.9#

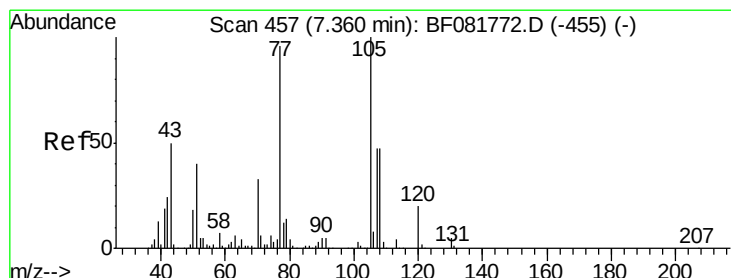
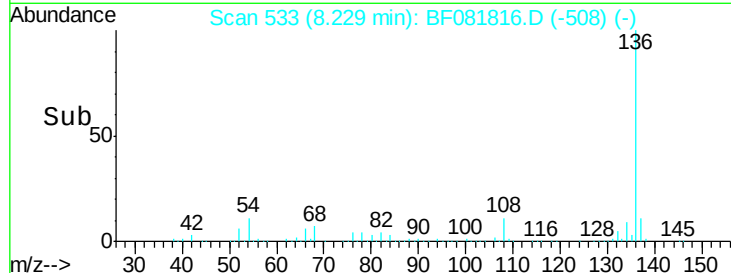
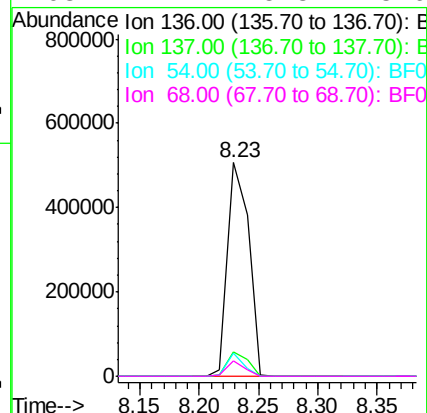
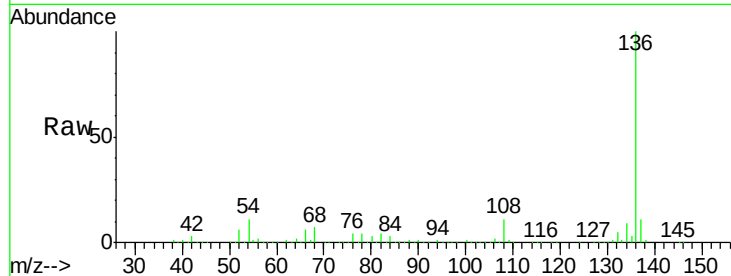




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.23 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF081816.D
Acq: 25 Sep 2015 21:57

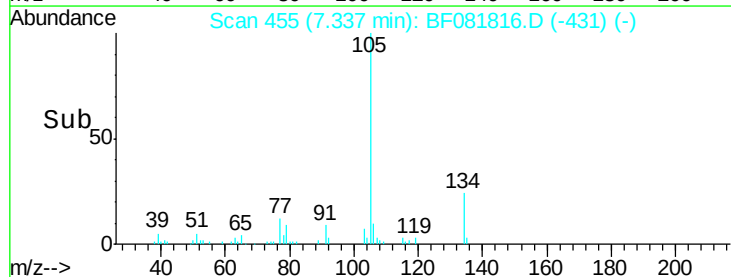
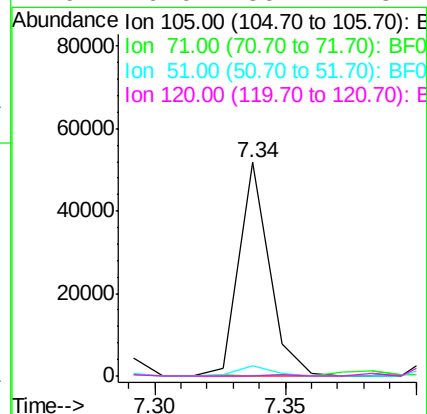
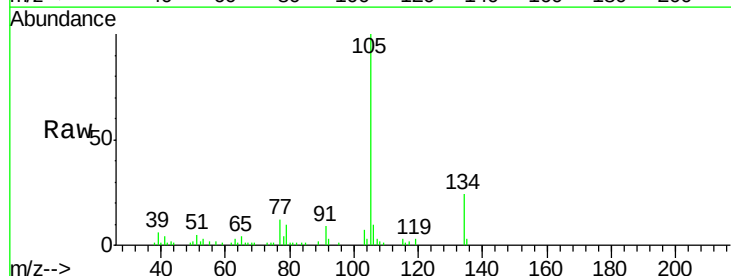
Instrument :
BNA_F
ClientSampleId :
MW-13-9-15-15

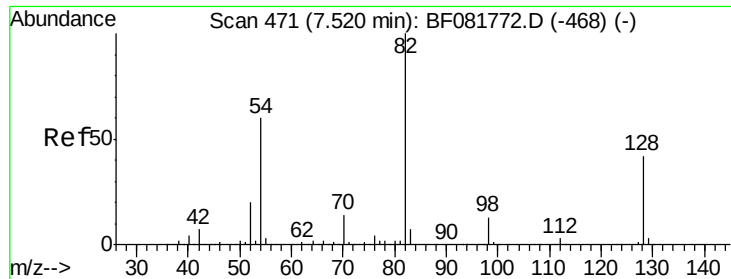
Tgt Ion:	136	Resp:	623819
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	11.1	8.2	12.2
68	7.2	5.8	8.6



#22
Acetophenone
Concen: 3.11 ng
RT: 7.34 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF081816.D
Acq: 25 Sep 2015 21:57

Tgt Ion:	105	Resp:	42614
Ion	Ratio	Lower	Upper
105	100		
71	0.0	4.7	7.1#
51	4.9	22.0	33.0#
120	0.0	30.1	45.1#

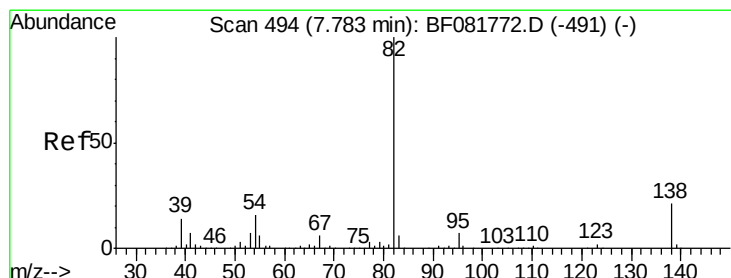
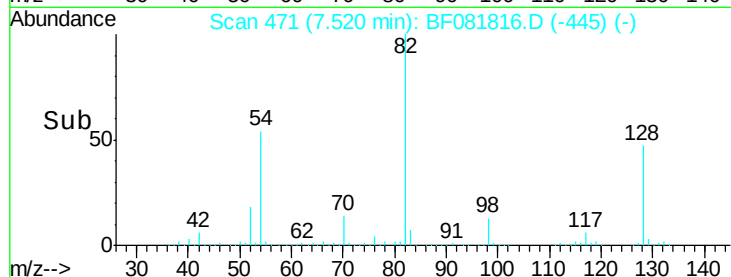
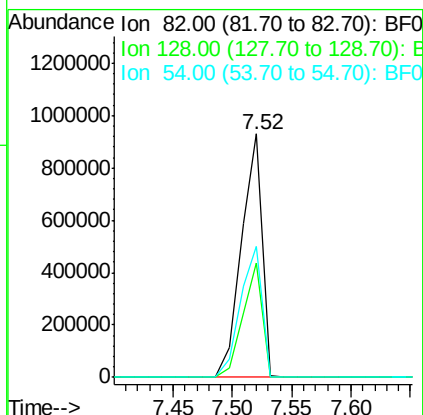
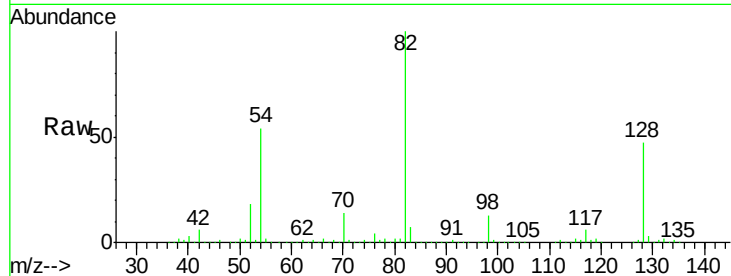




#23
 Nitrobenzene-d5
 Concen: 118.84 ng
 RT: 7.52 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: BF081816.D
 Acq: 25 Sep 2015 21:57

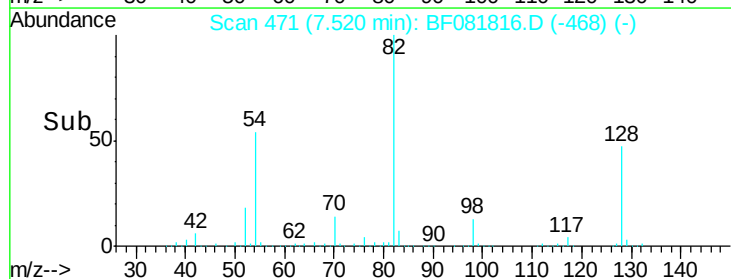
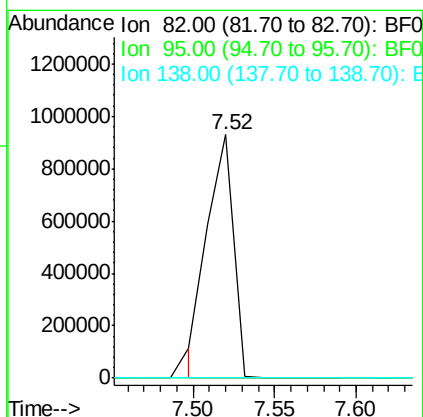
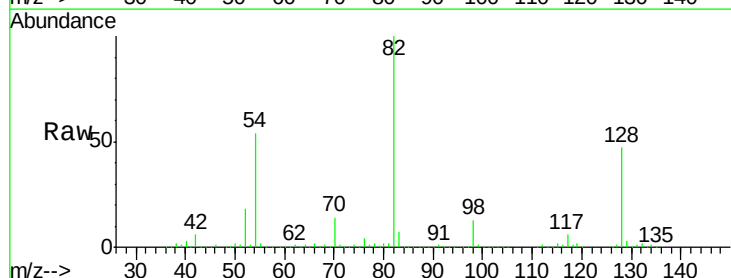
Instrument :
 BNA_F
 ClientSampleId :
 MW-13-9-15-15

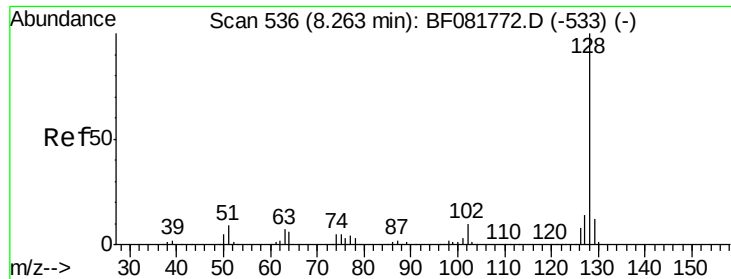
Tgt Ion: 82 Resp: 1123645
 Ion Ratio Lower Upper
 82 100
 128 46.9 51.0 76.6#
 54 53.9 47.5 71.3



#25
 Isophorone
 Concen: 49.77 ng
 RT: 7.52 min Scan# 471
 Delta R.T. -0.26 min
 Lab File: BF081816.D
 Acq: 25 Sep 2015 21:57

Tgt Ion: 82 Resp: 1042460
 Ion Ratio Lower Upper
 82 100
 95 0.0 4.0 6.0#
 138 0.0 18.3 27.5#

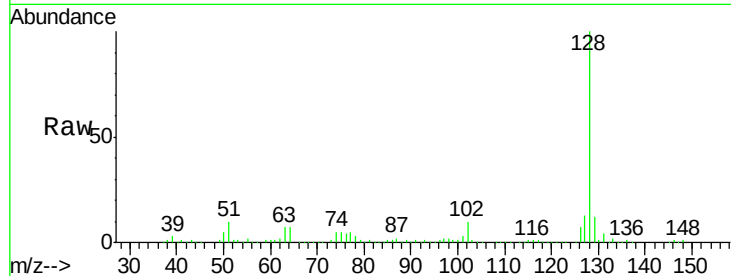




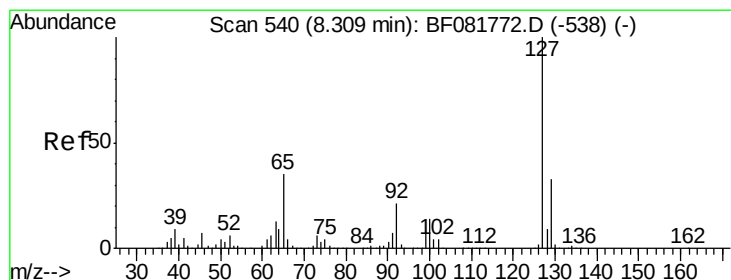
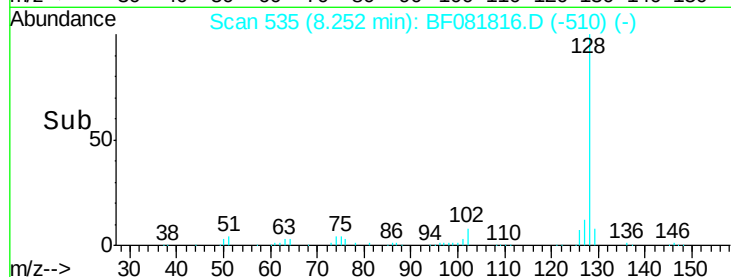
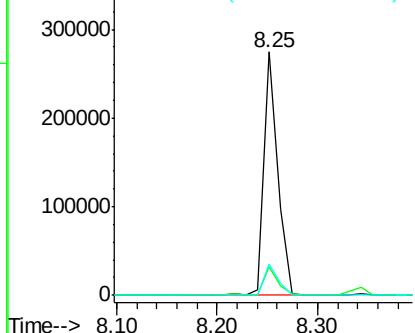
#31
Naphthalene
Concen: 9.17 ng
RT: 8.25 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF081816.D
Acq: 25 Sep 2015 21:57

Instrument :
BNA_F
ClientSampleId :
MW-13-9-15-15

Tgt Ion:128 Resp: 263828
Ion Ratio Lower Upper
128 100
129 11.5 8.4 12.6
127 12.8 9.9 14.9

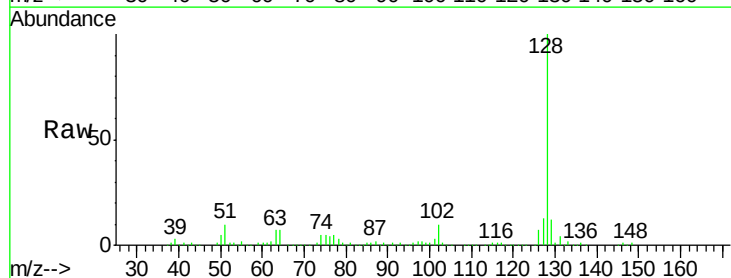


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

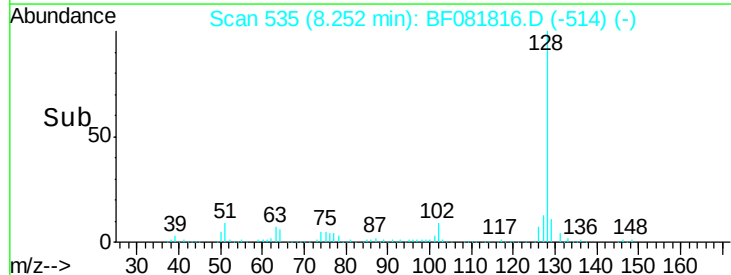
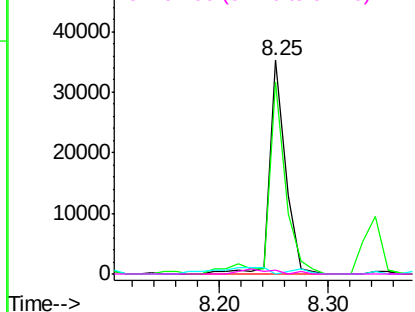


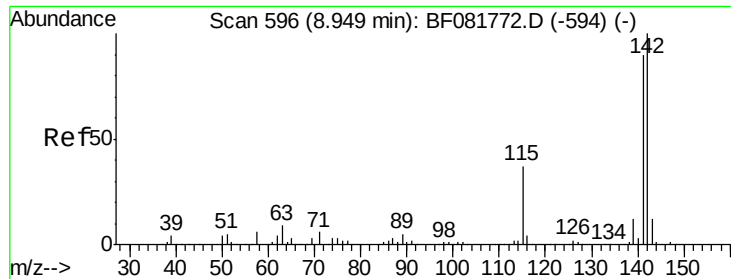
#33
4-Chloroaniline
Concen: 2.84 ng
RT: 8.25 min Scan# 535
Delta R.T. -0.06 min
Lab File: BF081816.D
Acq: 25 Sep 2015 21:57

Tgt Ion:127 Resp: 35891
Ion Ratio Lower Upper
127 100
129 89.7 25.8 38.6#
65 0.0 17.9 26.9#
92 1.9 10.5 15.7#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

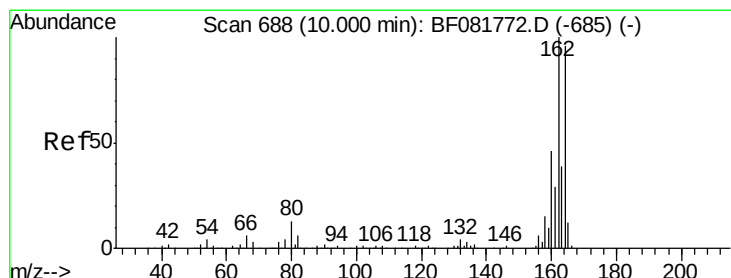
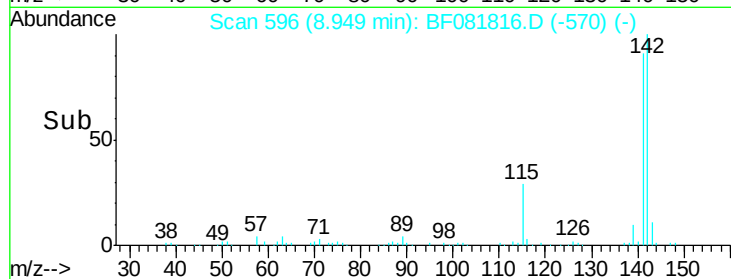
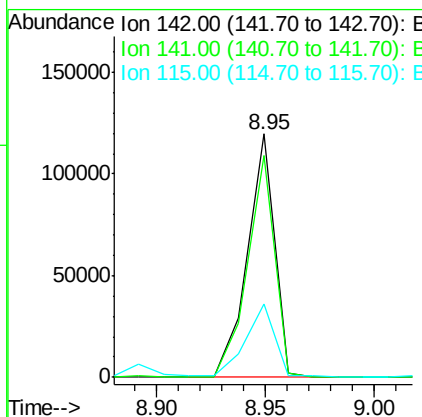
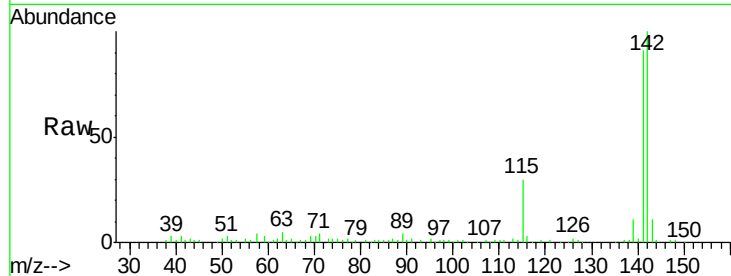




#37
2-Methylnaphthalene
Concen: 5.06 ng
RT: 8.95 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF081816.D
Acq: 25 Sep 2015 21:57

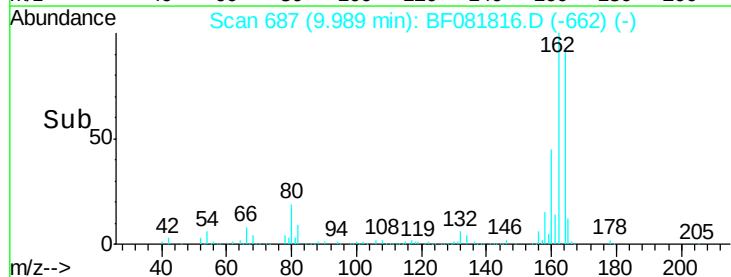
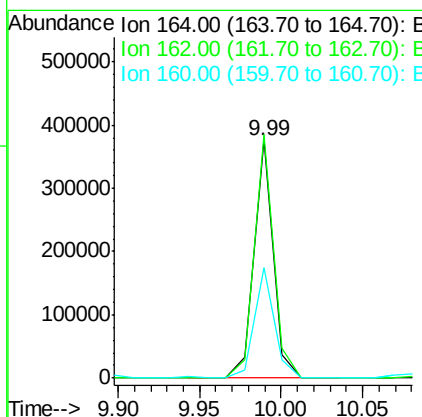
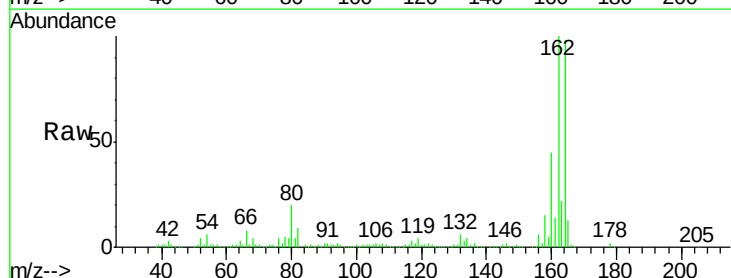
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ClientSampleId :
MW-13-9-15-15

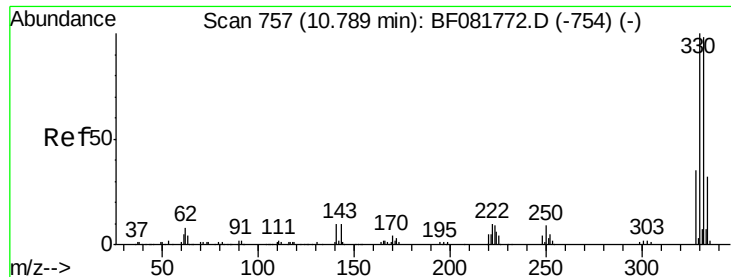
Tgt Ion:142 Resp: 103789
Ion Ratio Lower Upper
142 100
141 91.0 67.5 101.3
115 30.2 18.2 27.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.99 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF081816.D
Acq: 25 Sep 2015 21:57

Tgt Ion:164 Resp: 305773
Ion Ratio Lower Upper
164 100
162 102.2 75.2 112.8
160 46.1 31.5 47.3

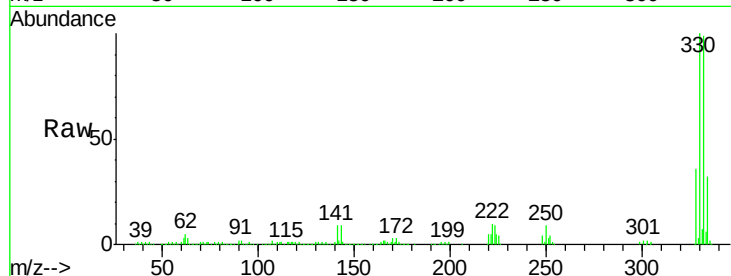




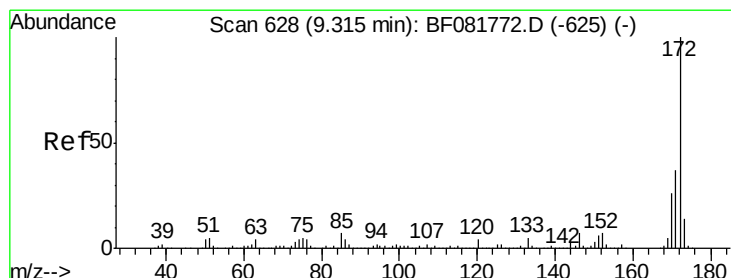
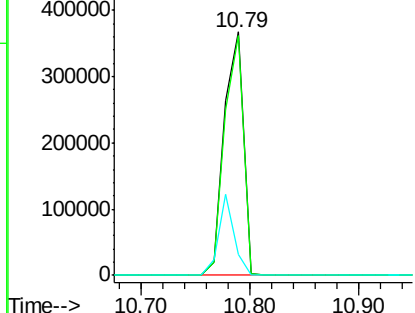
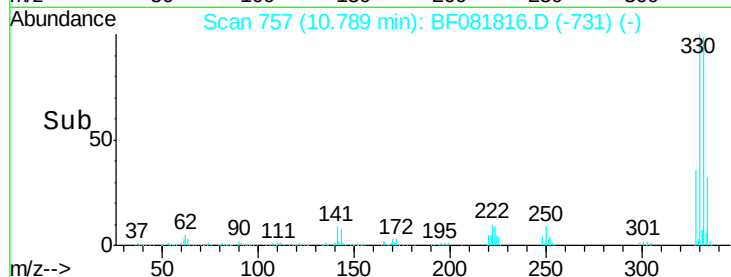
#41
 2,4,6-Tribromophenol
 Concen: 170.20 ng
 RT: 10.79 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: BF081816.D
 Acq: 25 Sep 2015 21:57

Instrument :
 BNA_F
 ClientSampleId :
 MW-13-9-15-15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	114.8
141	27.4	29.7	44.5#

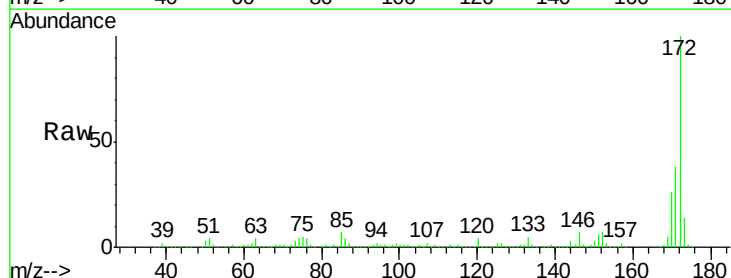


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

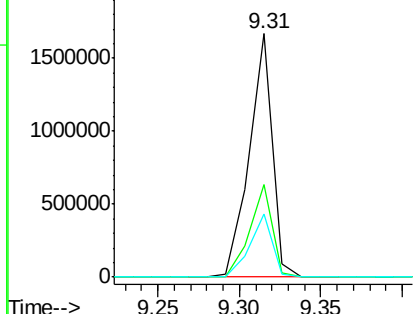
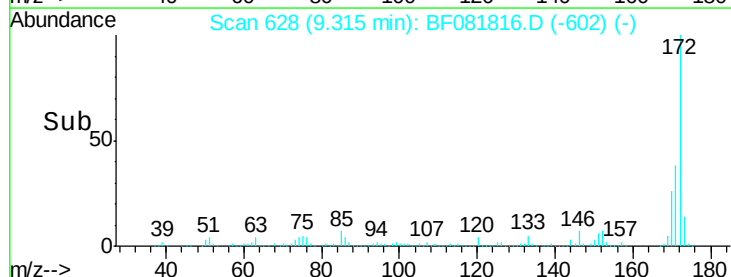


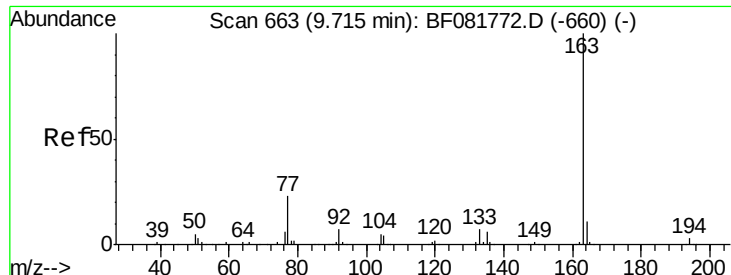
#44
 2-Fluorobiphenyl
 Concen: 87.54 ng
 RT: 9.31 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF081816.D
 Acq: 25 Sep 2015 21:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	26.1	39.1
170	26.2	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





#49

Dimethylphthalate

Concen: 5.44 ng

RT: 9.70 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF081816.D

Acq: 25 Sep 2015 21:57

Instrument :

BNA_F

ClientSampleId :

MW-13-9-15-15

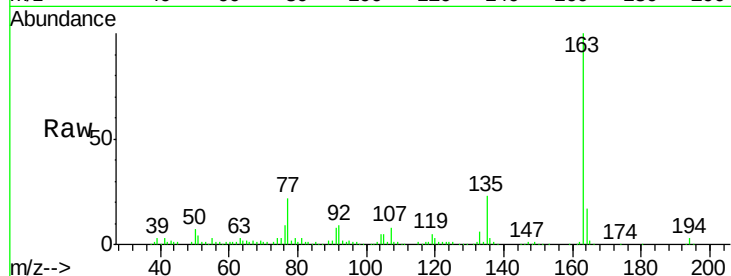
Tgt Ion:163 Resp: 126531

Ion Ratio Lower Upper

163 100

194 3.3 4.4 6.6#

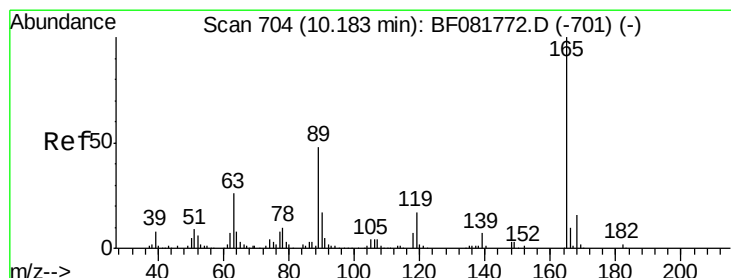
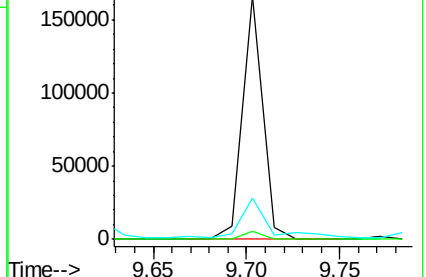
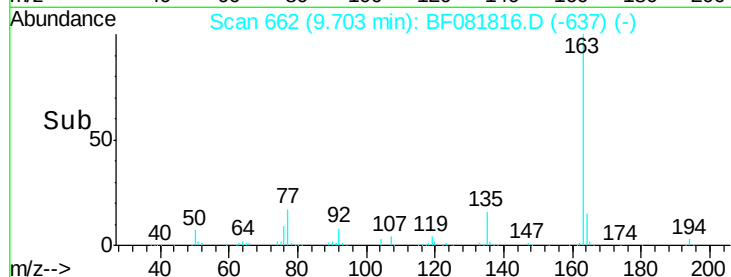
164 17.1 8.3 12.5#



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



#56

2,4-Dinitrotoluene

Concen: 7.78 ng

RT: 9.99 min Scan# 687

Delta R.T. -0.19 min

Lab File: BF081816.D

Acq: 25 Sep 2015 21:57

Tgt Ion:165 Resp: 41829

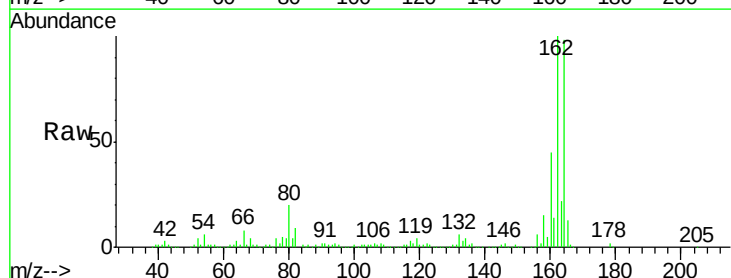
Ion Ratio Lower Upper

165 100

63 4.2 29.8 44.6#

89 3.0 44.5 66.7#

182 0.0 3.0 4.4#

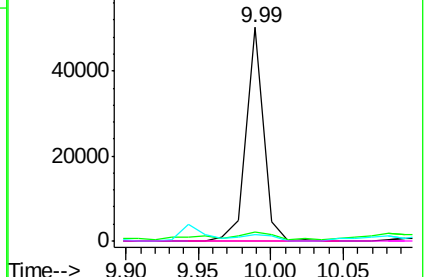
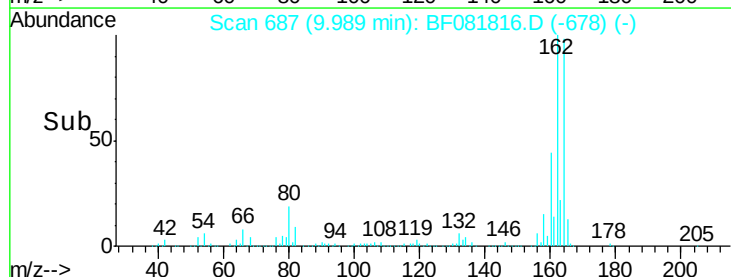


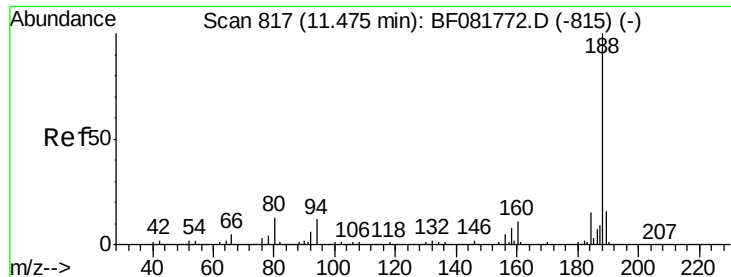
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.47 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF081816.D

Acq: 25 Sep 2015 21:57

Instrument :

BNA_F

ClientSampleId :

MW-13-9-15-15

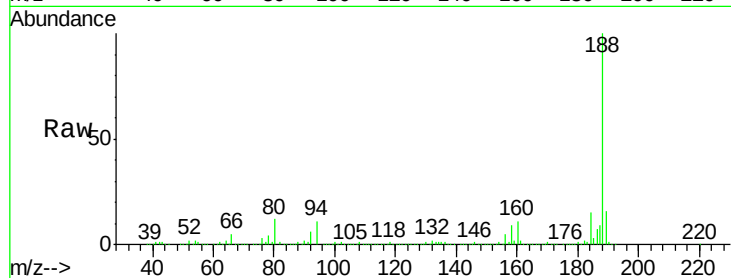
Tgt Ion:188 Resp: 499966

Ion Ratio Lower Upper

188 100

94 10.9 11.1 16.7#

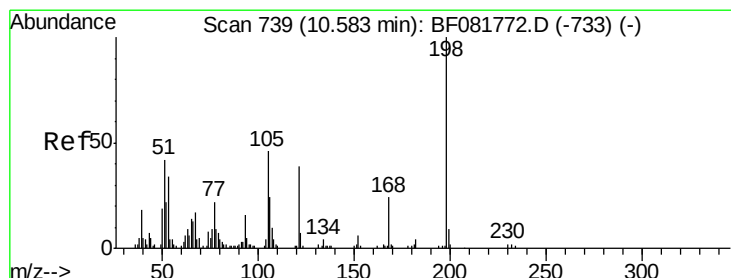
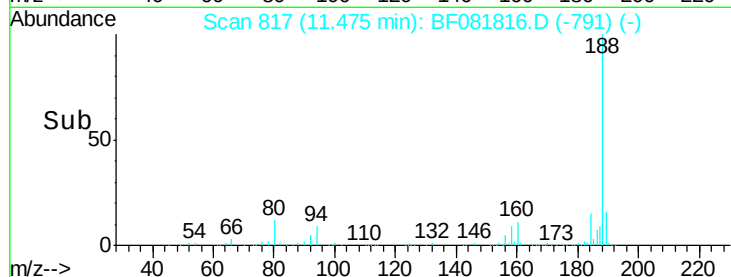
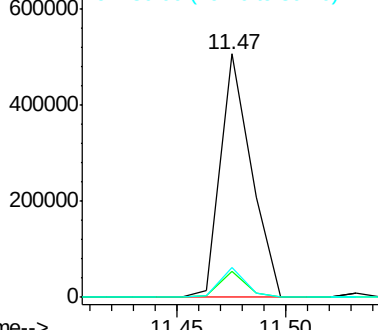
80 12.4 11.0 16.4



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: 8.67 ng

RT: 10.78 min Scan# 756

Delta R.T. 0.19 min

Lab File: BF081816.D

Acq: 25 Sep 2015 21:57

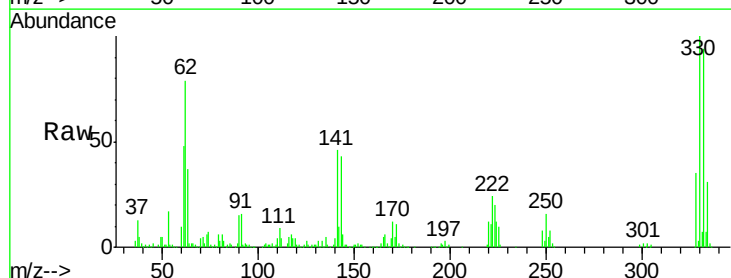
Tgt Ion:198 Resp: 901

Ion Ratio Lower Upper

198 100

51 275.3 39.6 79.6#

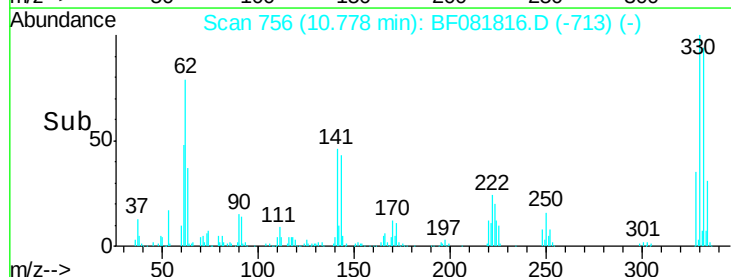
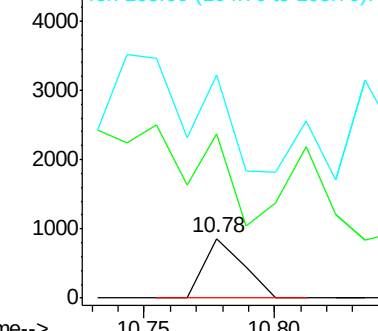
105 373.1 28.5 68.5#

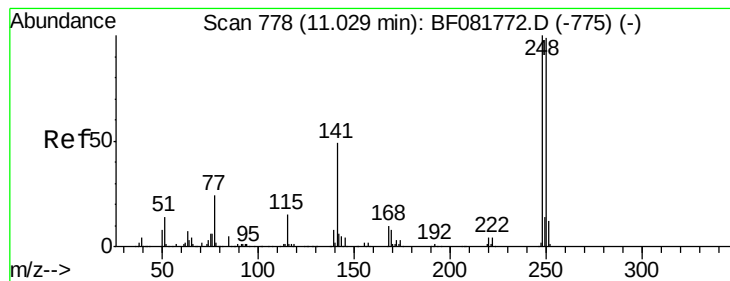


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.85 ng

RT: 10.78 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF081816.D

Acq: 25 Sep 2015 21:57

Instrument :

BNA_F

ClientSampleId :

MW-13-9-15-15

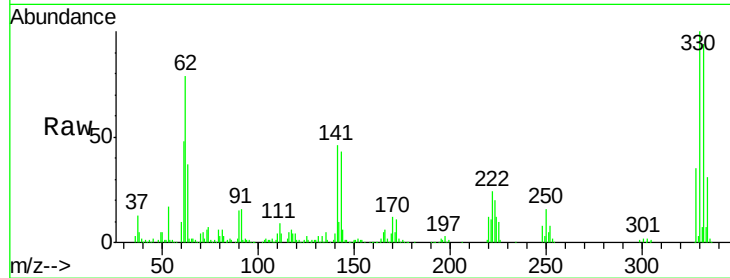
Tgt Ion:248 Resp: 26977

Ion Ratio Lower Upper

248 100

250 193.1 78.5 117.7#

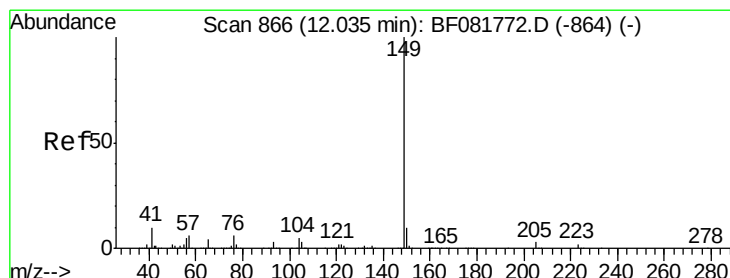
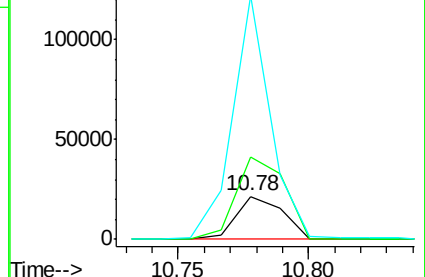
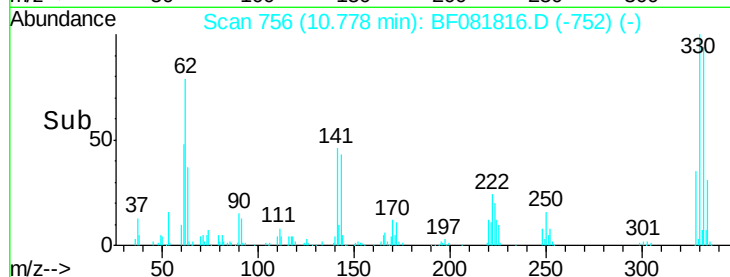
141 567.8 59.0 88.6#



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



#73

Di-n-butylphthalate

Concen: 6.92 ng

RT: 12.13 min Scan# 874

Delta R.T. 0.09 min

Lab File: BF081816.D

Acq: 25 Sep 2015 21:57

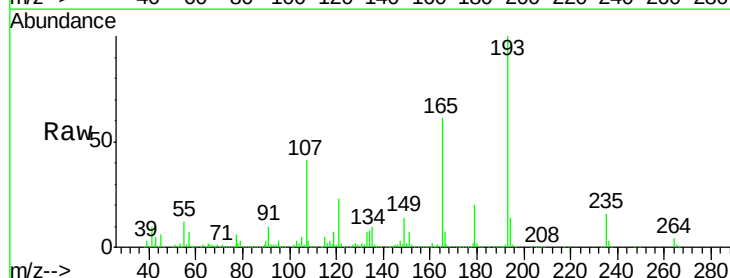
Tgt Ion:149 Resp: 215451

Ion Ratio Lower Upper

149 100

150 11.6 7.4 11.2#

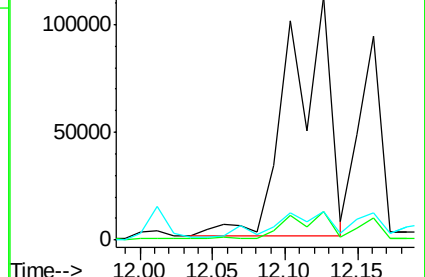
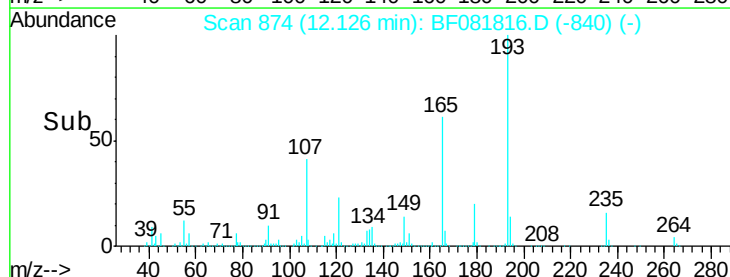
104 11.9 2.4 3.6#

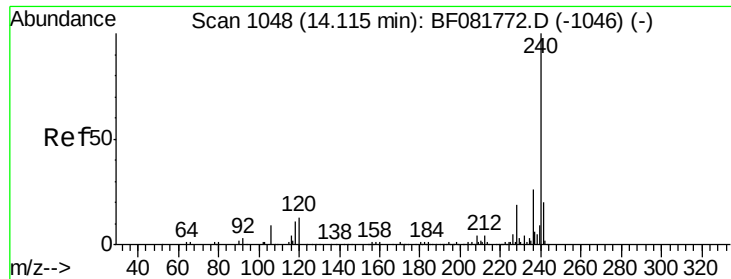


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF081816.D

Acq: 25 Sep 2015 21:57

Instrument :

BNA_F

ClientSampleId :

MW-13-9-15-15

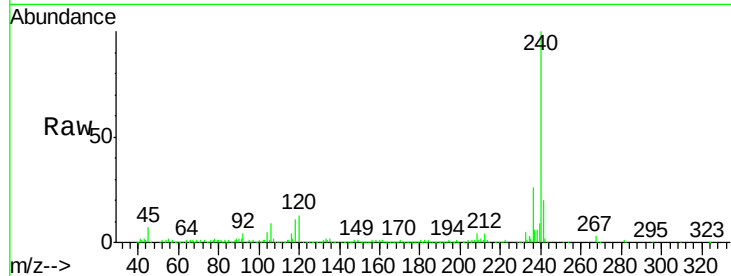
Tgt Ion:240 Resp: 410764

Ion Ratio Lower Upper

240 100

120 12.8 16.2 24.2#

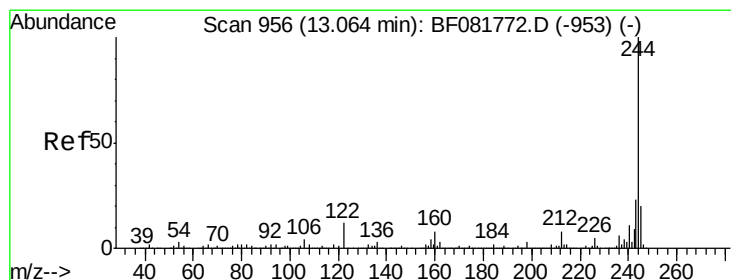
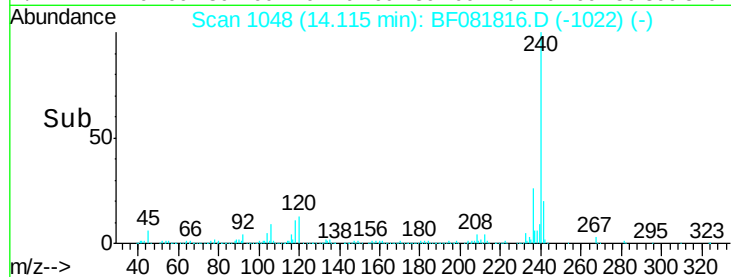
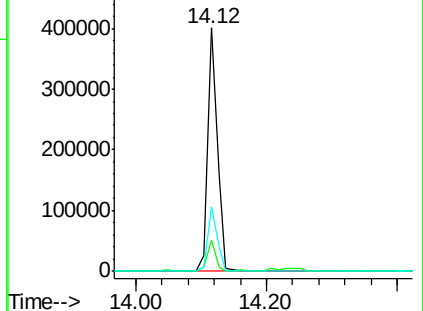
236 26.4 18.4 27.6



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



#78

Terphenyl-d14

Concen: 86.67 ng

RT: 13.08 min Scan# 957

Delta R.T. 0.01 min

Lab File: BF081816.D

Acq: 25 Sep 2015 21:57

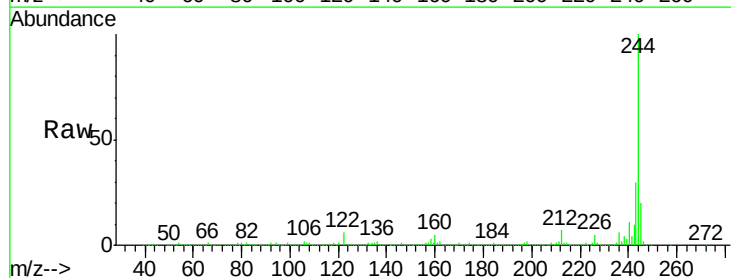
Tgt Ion:244 Resp: 1558441

Ion Ratio Lower Upper

244 100

212 7.2 4.3 6.5#

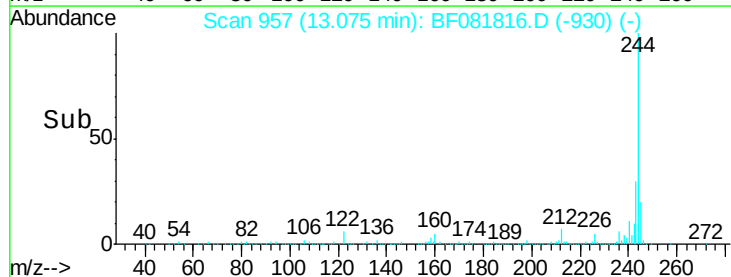
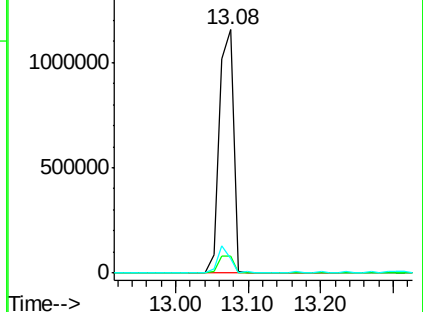
122 6.0 17.4 26.2#

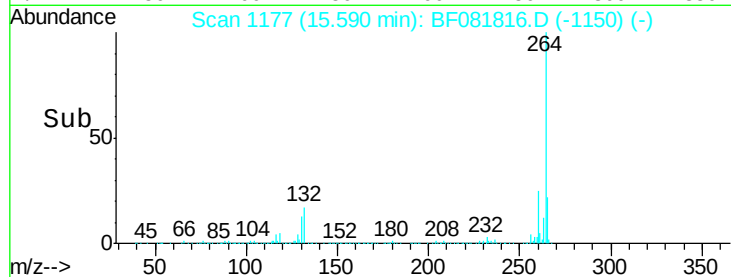
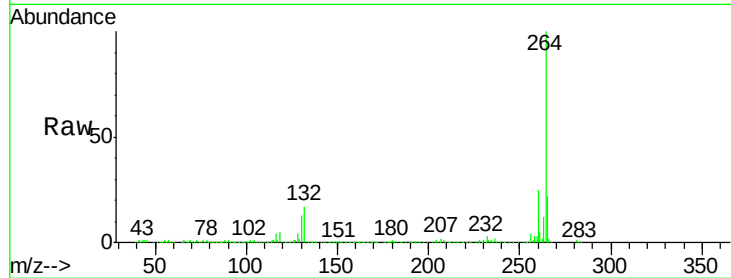
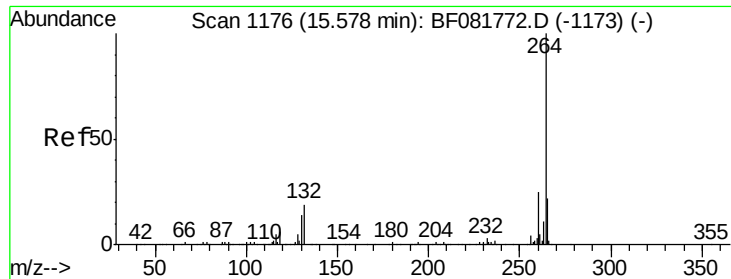


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.59 min Scan# 1177

Delta R.T. 0.01 min

Lab File: BF081816.D

Acq: 25 Sep 2015 21:57

Instrument :

BNA_F

ClientSampleId :

MW-13-9-15-15

Tgt Ion: 264 Resp: 406008

Ion Ratio Lower Upper

264 100

260 24.7 16.7 25.1

265 21.9 17.2 25.8

