

Data Path : Z:\HPCHEM1\BNA F\Data\BF020216\
 Data File : BF084778.D
 Acq On : 3 Feb 2016 7:35
 Operator : SJ/IZ
 Sample : H1313-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-23-012916

Quant Time: Feb 03 09:44:35 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

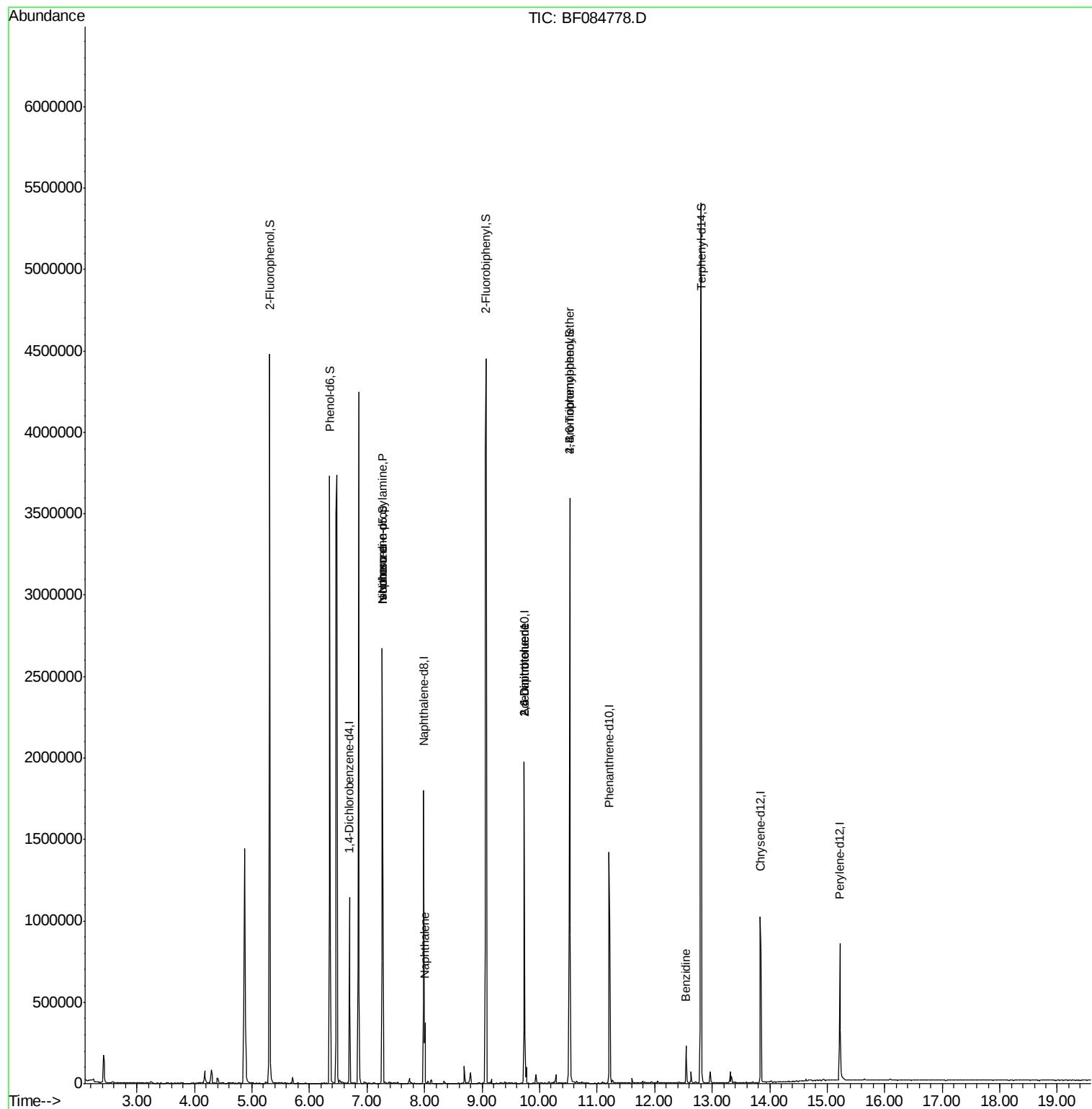
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	184367	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	814034	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	381777	20.00	ng	-0.03
63) Phenanthrene-d10	11.21	188	691397	20.00	ng	-0.03
75) Chrysene-d12	13.84	240	497161	20.00	ng	-0.03
86) Perylene-d12	15.22	264	376785	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1431653	120.95	ng	0.00
7) Phenol-d6	6.35	99	1406023	95.82	ng	-0.02
23) Nitrobenzene-d5	7.26	82	1091956	75.57	ng	-0.03
41) 2,4,6-Tribromophenol	10.52	330	478536	120.17	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	2137787	100.39	ng	-0.02
78) Terphenyl-d14	12.81	244	2072914	94.48	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	147439	16.03	ng	# 71
25) Isophorone	7.26	82	915173	32.57	ng	# 66
31) Naphthalene	8.01	128	186071	4.56	ng	98
50) 2,6-Dinitrotoluene	9.73	165	51187	8.06	ng	# 37
56) 2,4-Dinitrotoluene	9.73	165	51187	6.32	ng	# 21
66) 4-Bromophenyl-phenylether	10.52	248	27883	3.65	ng	# 1
76) Benzidine	12.55	184	121452	11.60	ng	98

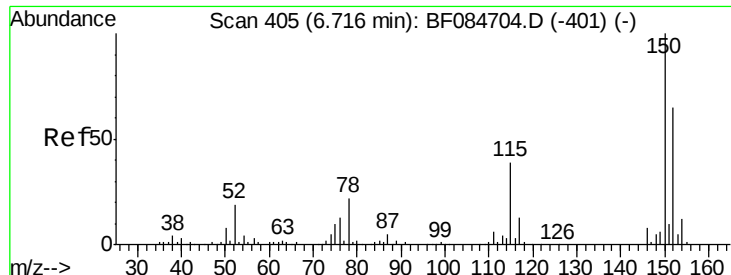
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 01 14:55:11 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

Instrument :

BNA_F

ClientSampleId :

HSR-WC-23-012916

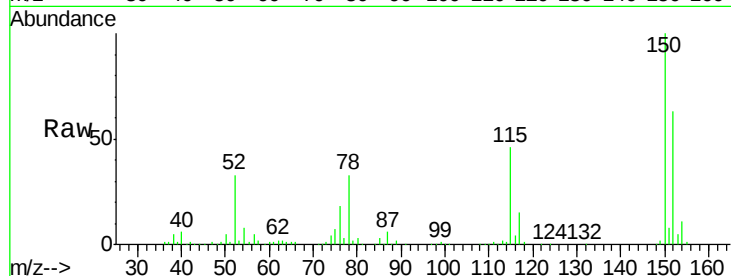
Tot Ion:152 Resp: 184367

Ion Ratio Lower Upper

152 100

150 157.6 123.0 184.4

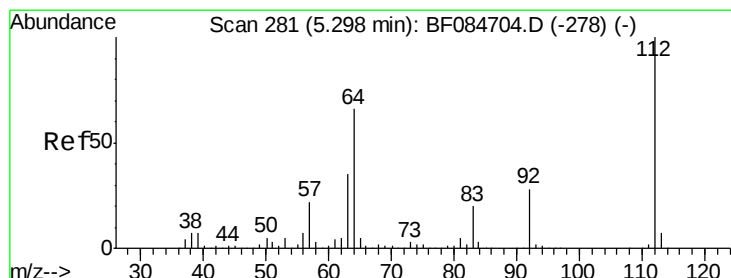
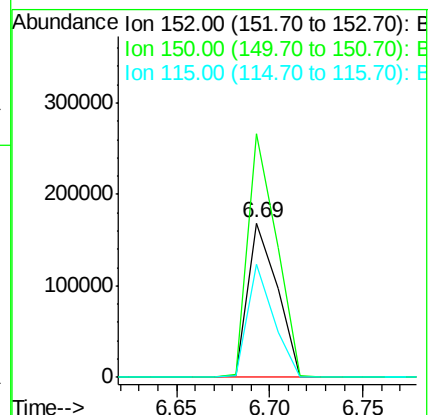
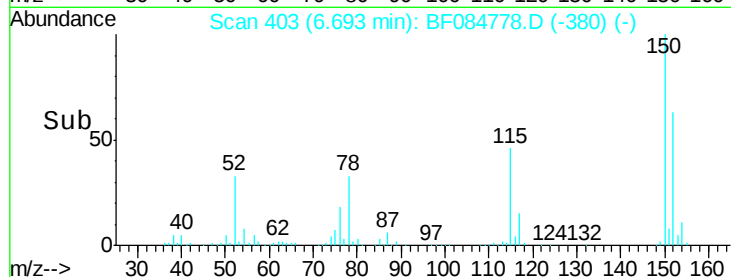
115 72.9 51.4 77.2



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: 120.95 ng

RT: 5.31 min Scan# 282

Delta R.T. 0.00 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

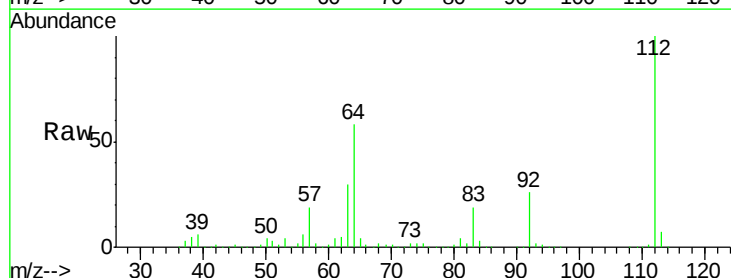
Tgt Ion:112 Resp: 1431653

Ion Ratio Lower Upper

112 100

64 57.8 36.6 55.0#

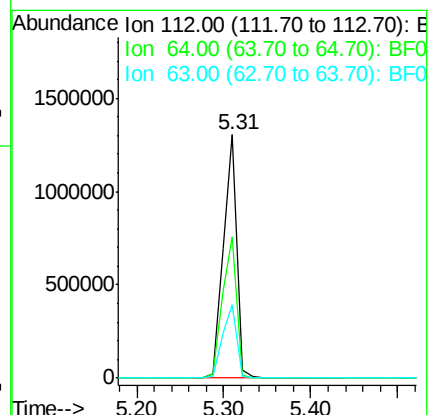
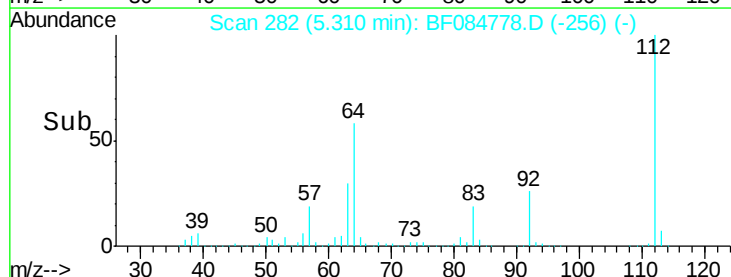
63 30.4 19.4 29.0#

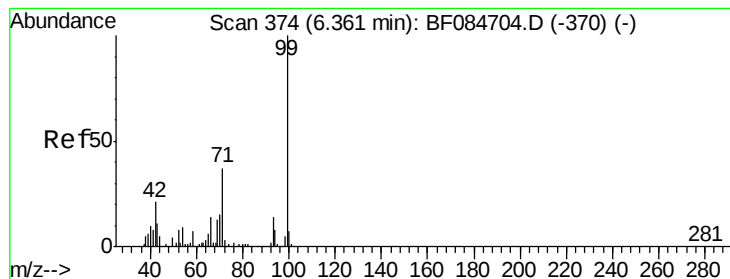


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 95.82 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

Instrument :

BNA_F

ClientSampleId :

HSR-WC-23-012916

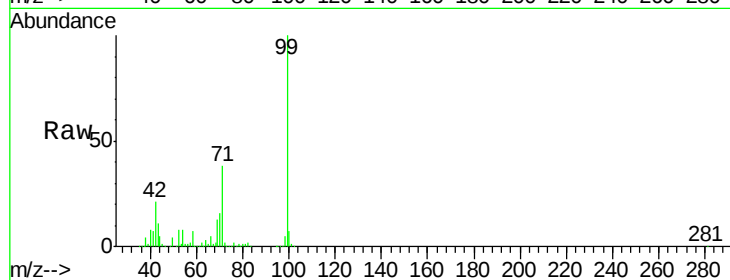
Tot Ion: 99 Resp: 1406023

Ion Ratio Lower Upper

99 100

42 20.7 12.8 19.2#

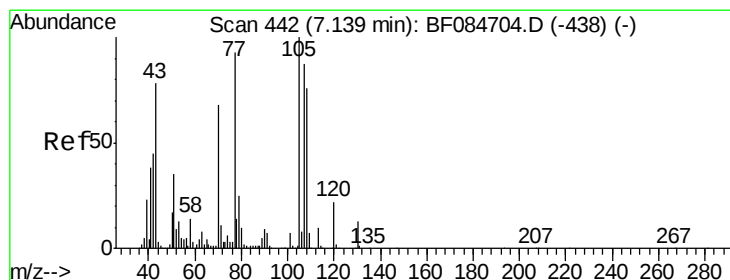
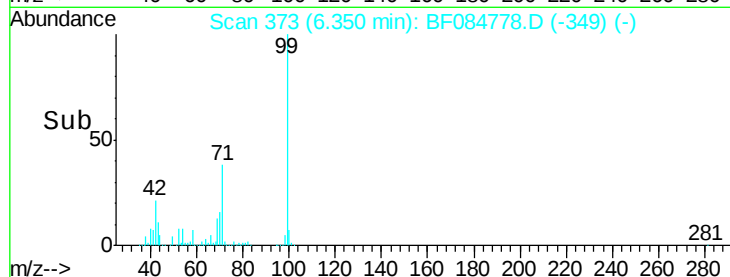
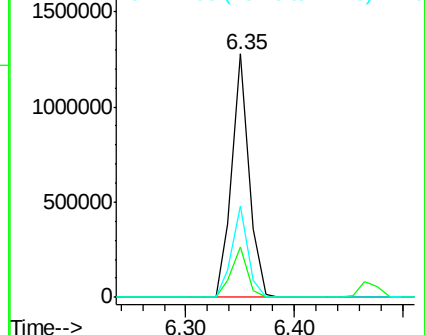
71 37.5 30.9 46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.03 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.11 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

Tgt Ion: 70 Resp: 147439

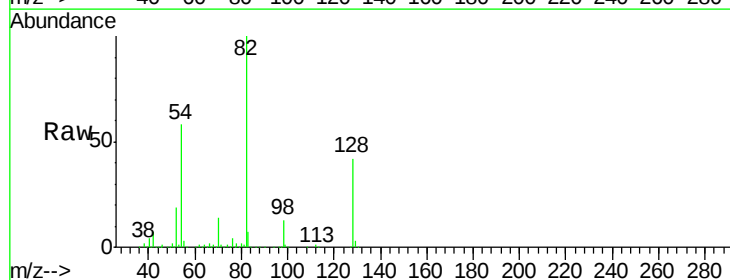
Ion Ratio Lower Upper

70 100

42 49.7 33.3 49.9

101 0.0 9.3 13.9#

130 2.2 23.4 35.0#

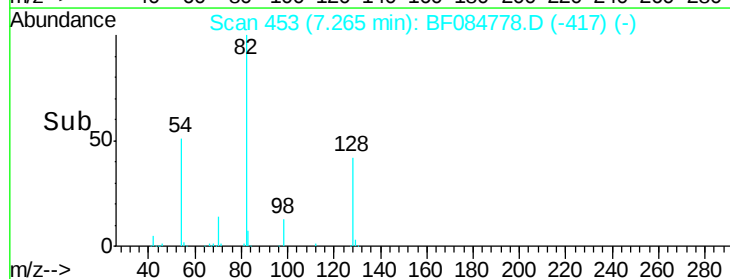
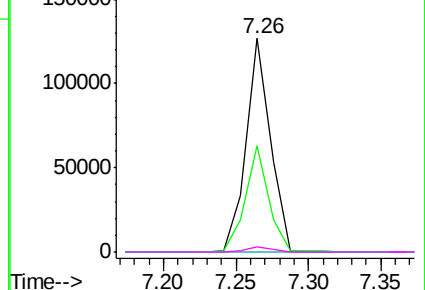


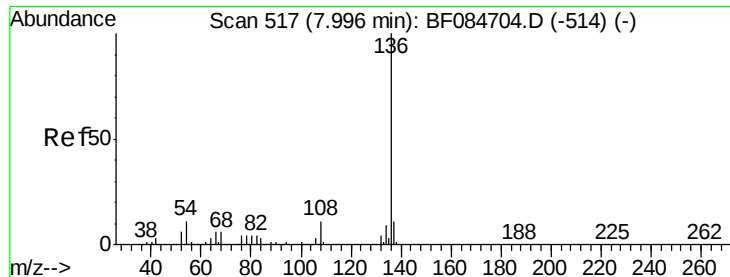
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

Instrument :

BNA_F

ClientSampleId :

HSR-WC-23-012916

Tot Ion:136 Resp: 814034

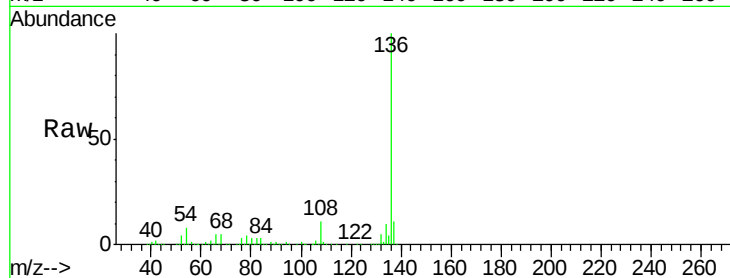
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 8.1 5.8 8.8

68 4.7 4.2 6.2

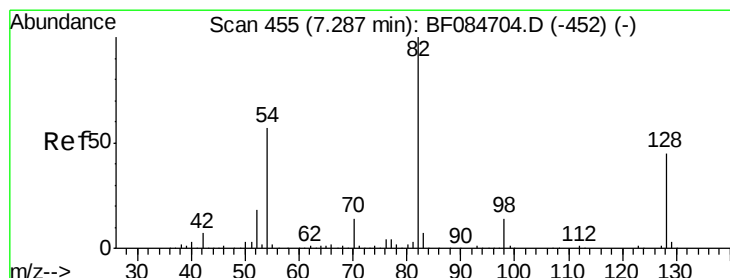
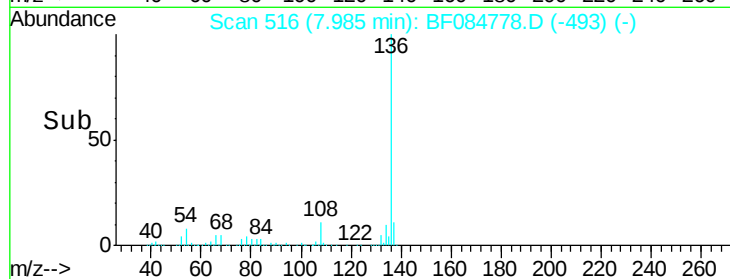
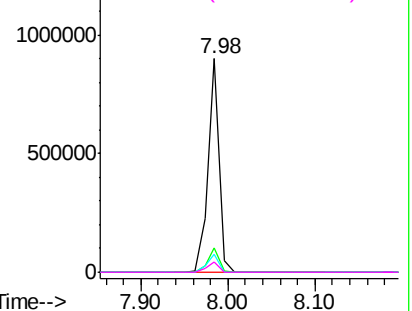


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 75.57 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.03 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

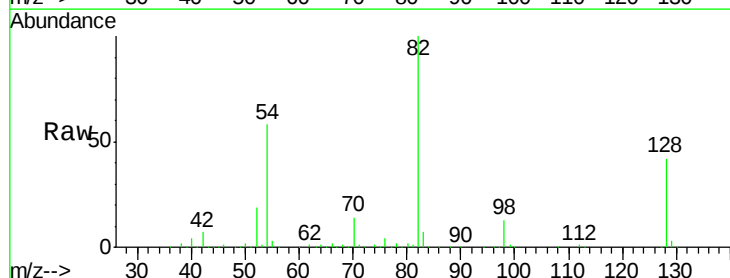
Tgt Ion: 82 Resp: 1091956

Ion Ratio Lower Upper

82 100

128 41.9 34.6 51.8

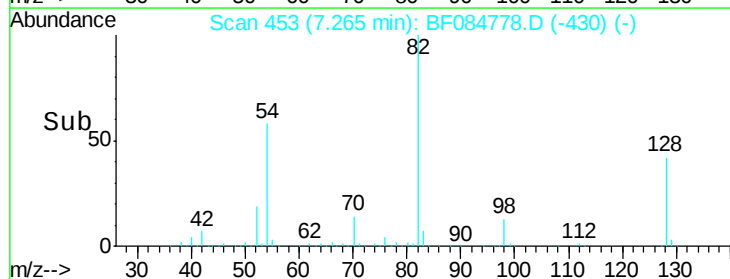
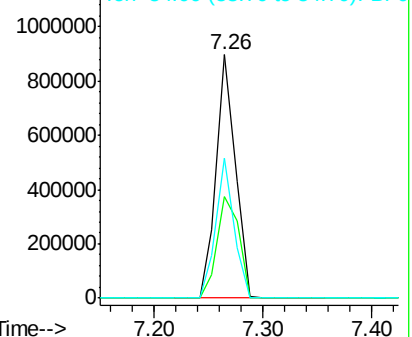
54 57.7 38.4 57.6#

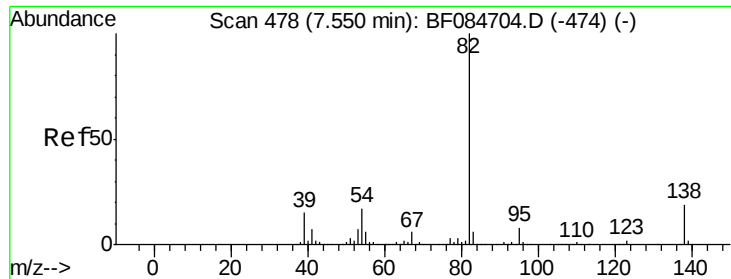


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.57 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.30 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

Instrument :

BNA_F

ClientSampleId :

HSR-WC-23-012916

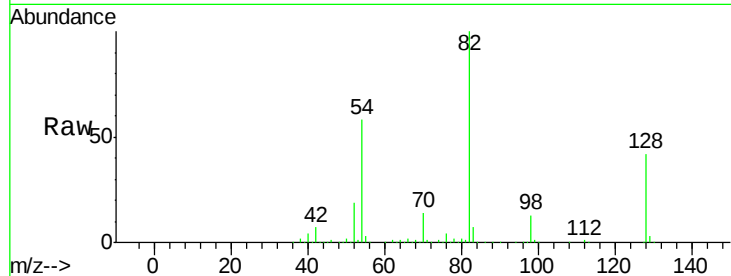
Tot Ion: 82 Resp: 915173

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

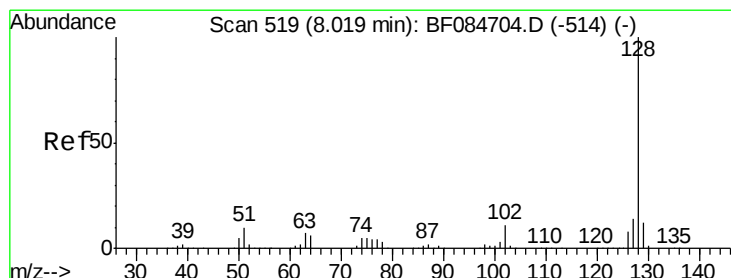
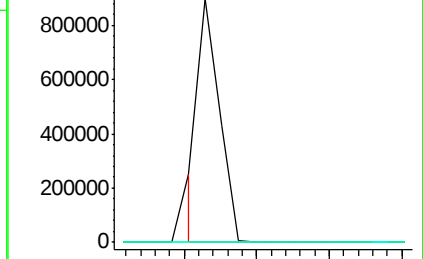
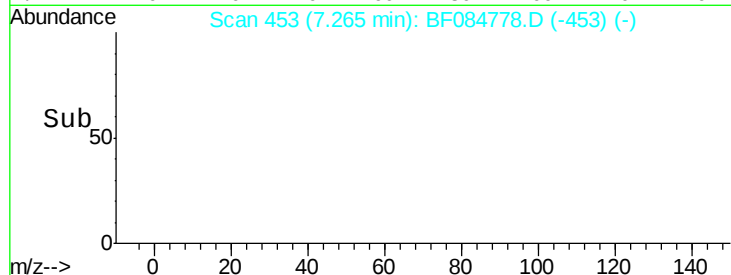
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF084778.D (-453) (-)

Ion 95.00 (94.70 to 95.70): BF084778.D (-453) (-)

Ion 138.00 (137.70 to 138.70): BF084778.D (-453) (-)



#31

Naphthalene

Concen: 4.56 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

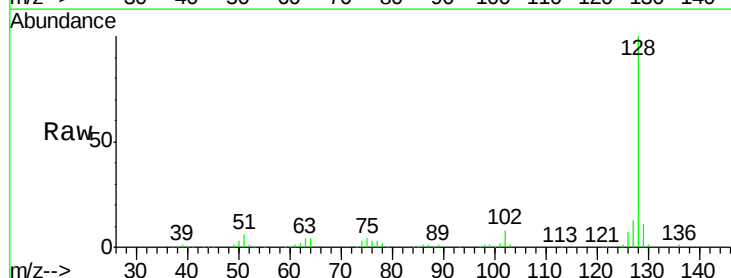
Tgt Ion: 128 Resp: 186071

Ion Ratio Lower Upper

128 100

129 10.8 9.1 13.7

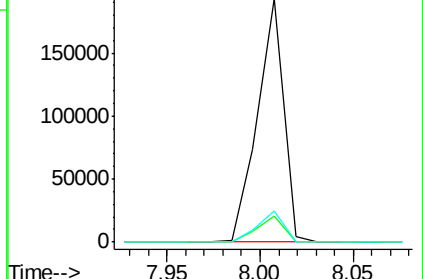
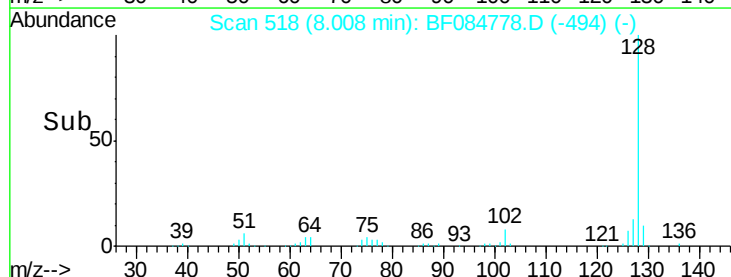
127 12.7 11.1 16.7

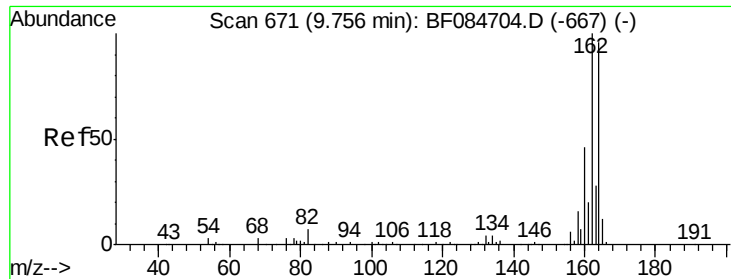


Abundance Ion 128.00 (127.70 to 128.70): BF084778.D (-494) (-)

Ion 129.00 (128.70 to 129.70): BF084778.D (-494) (-)

Ion 127.00 (126.70 to 127.70): BF084778.D (-494) (-)

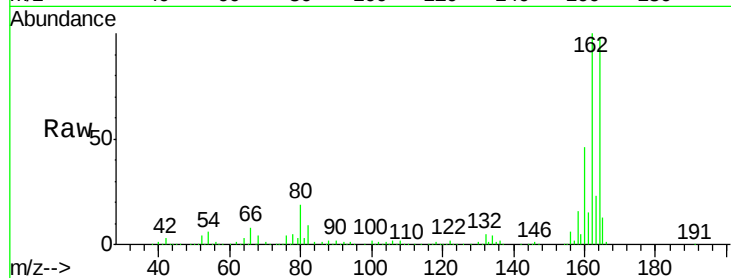




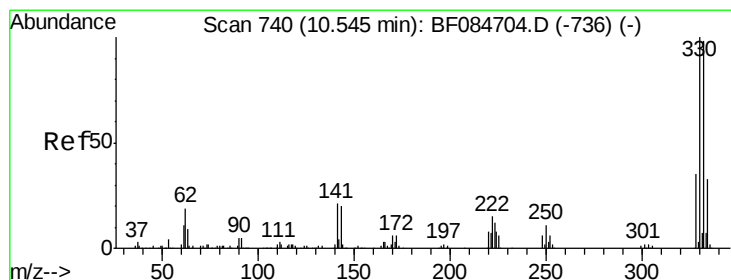
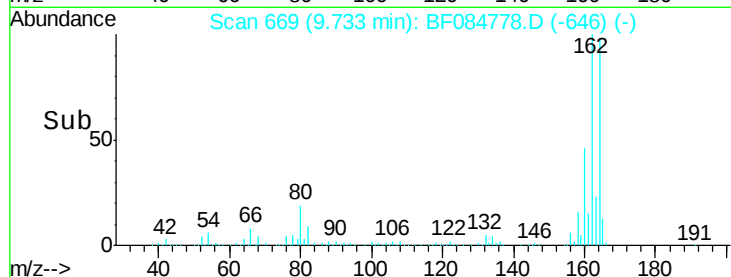
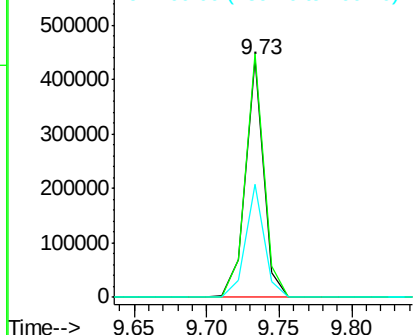
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.03 min
Lab File: BF084778.D
Acq: 3 Feb 2016 7:35

Instrument :
BNA_F
ClientSampleId :
HSR-WC-23-012916

Tot Ion:164 Resp: 381777
Ion Ratio Lower Upper
164 100
162 102.1 85.1 127.7
160 47.4 37.5 56.3

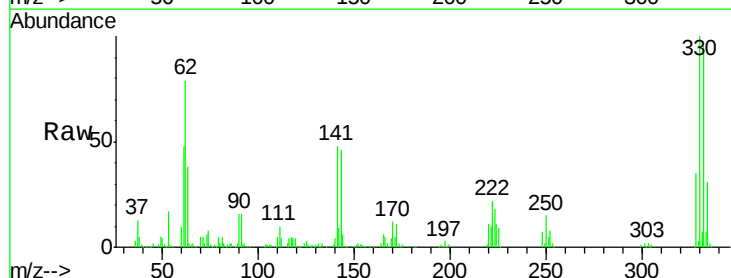


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

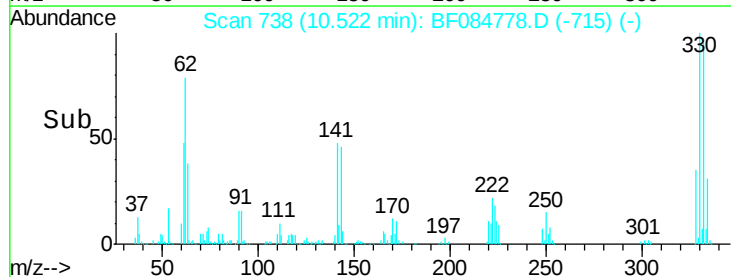
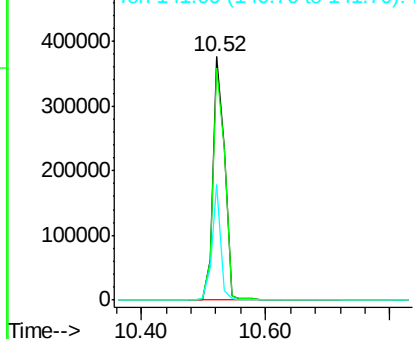


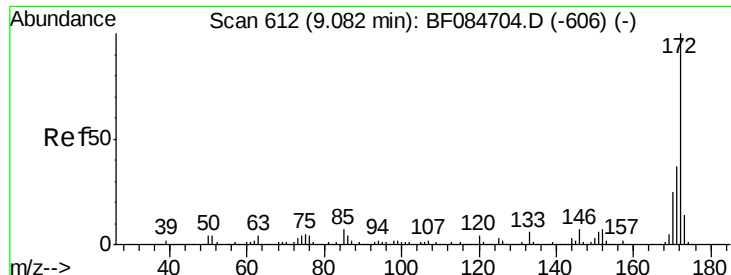
#41
2,4,6-Tribromophenol
Concen: 120.17 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.03 min
Lab File: BF084778.D
Acq: 3 Feb 2016 7:35

Tgt Ion:330 Resp: 478536
Ion Ratio Lower Upper
330 100
332 96.6 76.6 114.8
141 36.4 27.8 41.6



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



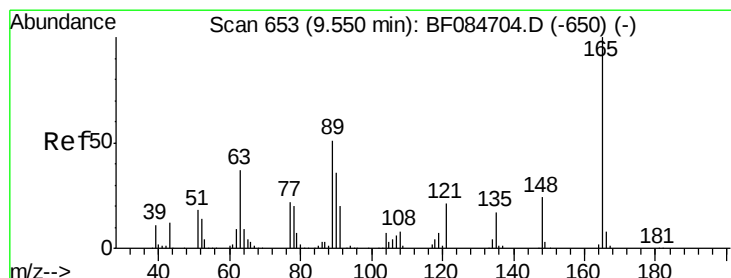
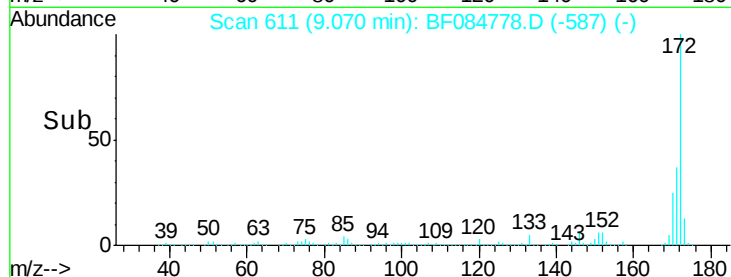
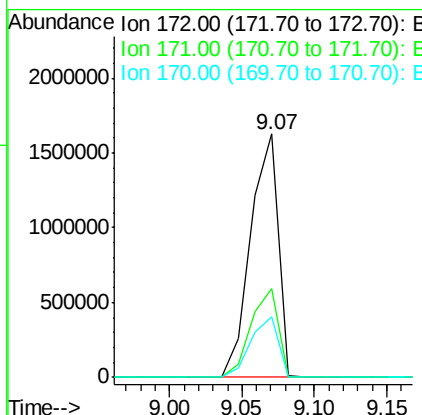
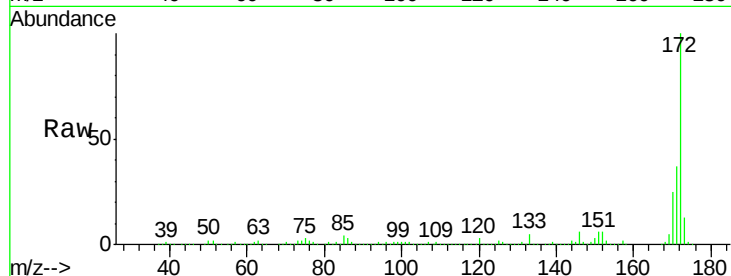


#44
 2-Fluorobiphenyl
 Concen: 100.39 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084778.D
 Acq: 3 Feb 2016 7:35

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-23-012916

Tot Ion:172 Resp: 2137787

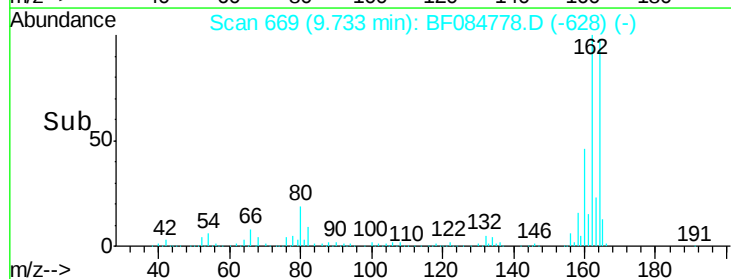
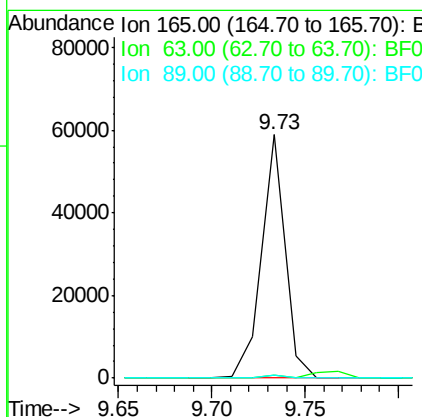
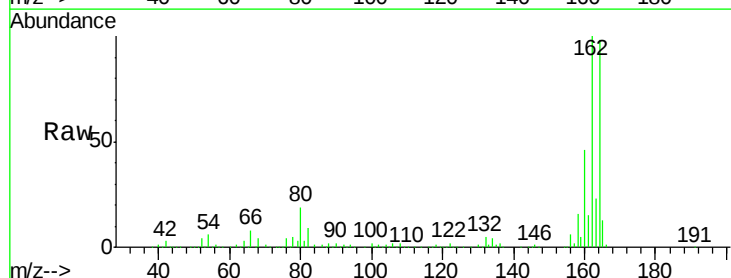
Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.9	43.3
170	24.8	18.6	27.8

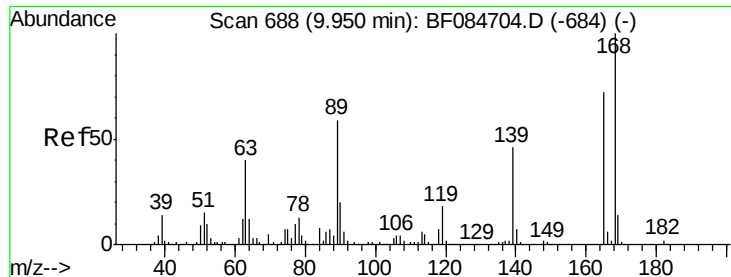


#50
 2,6-Dinitrotoluene
 Concen: 8.06 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.17 min
 Lab File: BF084778.D
 Acq: 3 Feb 2016 7:35

Tgt Ion:165 Resp: 51187

Ion	Ratio	Lower	Upper
165	100		
63	1.5	28.8	43.2#
89	1.4	35.1	52.7#

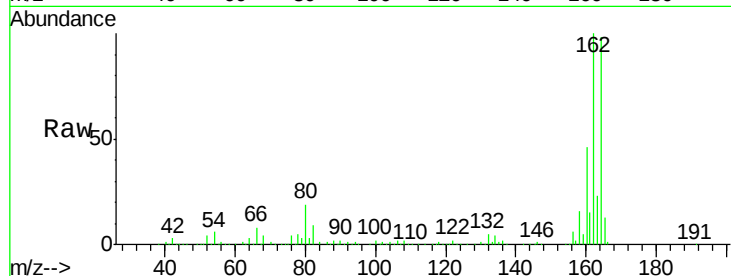




#56
 2,4-Dinitrotoluene
 Concen: 6.32 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.23 min
 Lab File: BF084778.D
 Acq: 3 Feb 2016 7:35

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-23-012916

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.7	55.1#
89	1.4	61.9	92.9#
182	0.0	2.0	3.0#

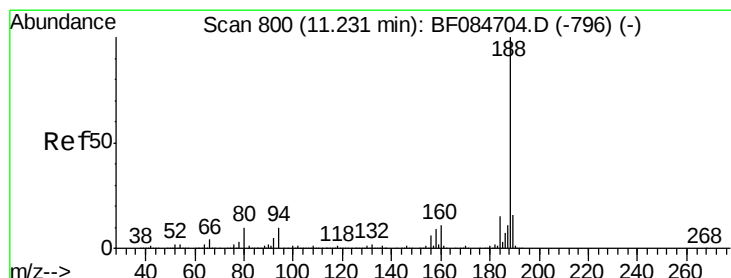
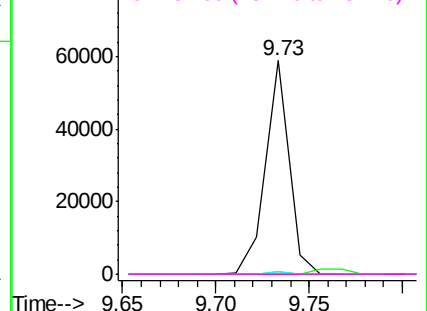
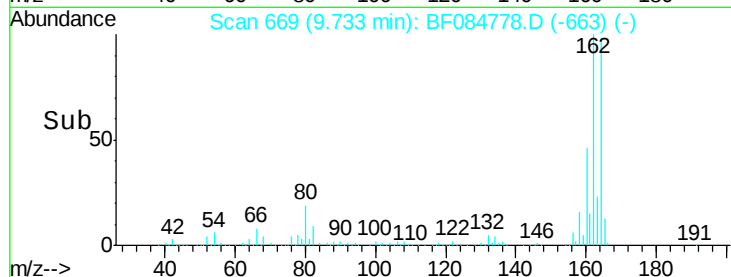


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

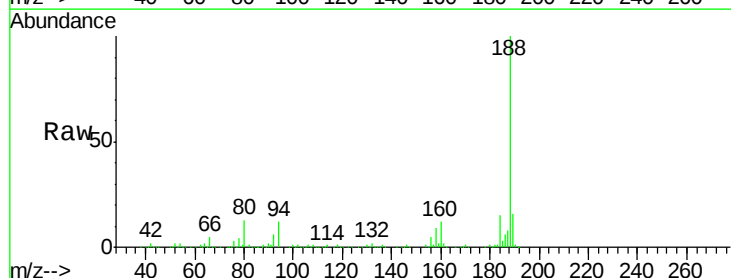
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: BF084778.D
 Acq: 3 Feb 2016 7:35

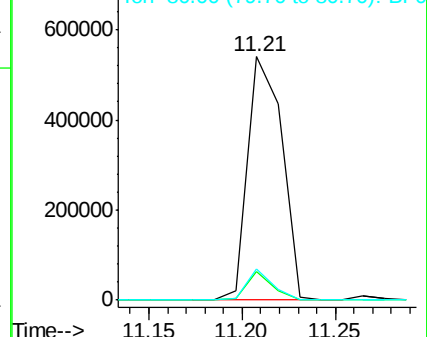
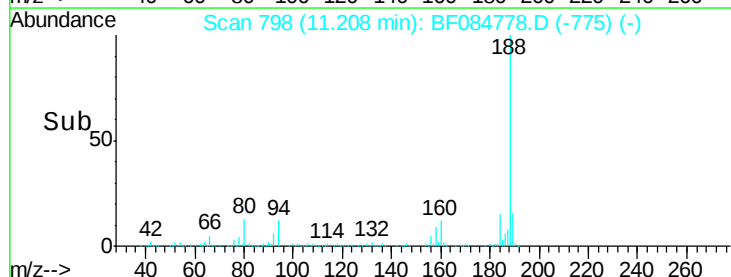
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	9.0	13.4
80	12.8	9.6	14.4

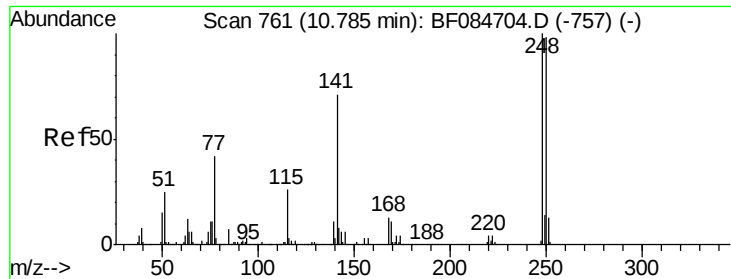


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

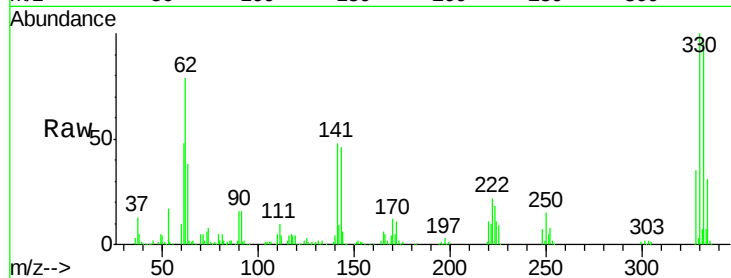




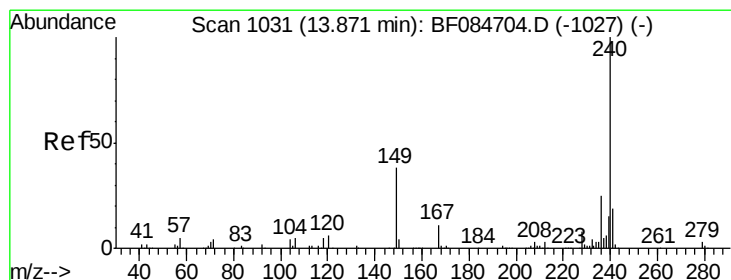
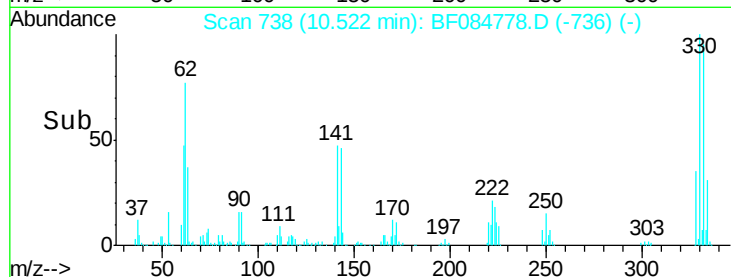
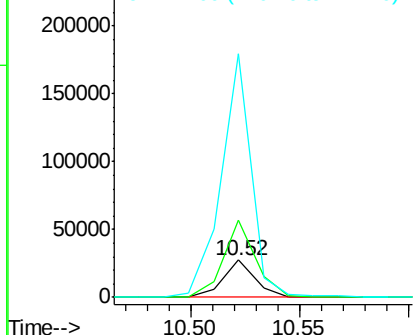
#66
4-Bromophenyl-phenylether
Concen: 3.65 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.27 min
Lab File: BF084778.D
Acq: 3 Feb 2016 7:35

Instrument :
BNA_F
ClientSampleId :
HSR-WC-23-012916

Tot Ion:248 Resp: 27883
Ion Ratio Lower Upper
248 100
250 207.8 78.4 117.6#
141 657.3 44.0 66.0#

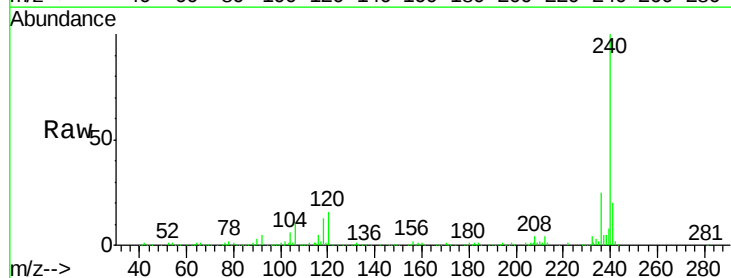


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

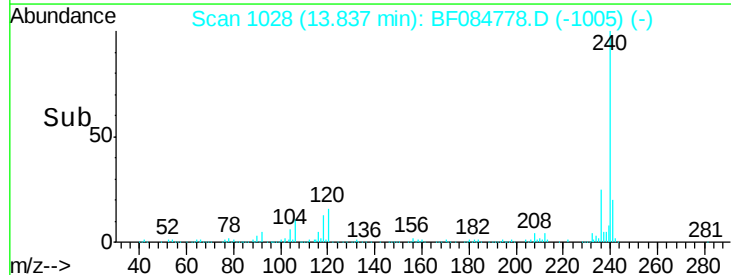
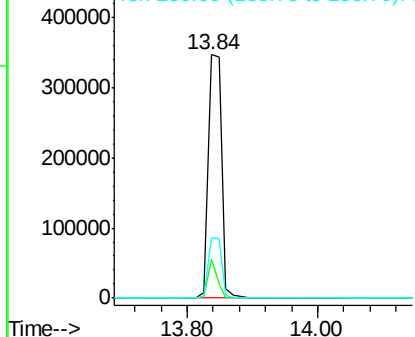


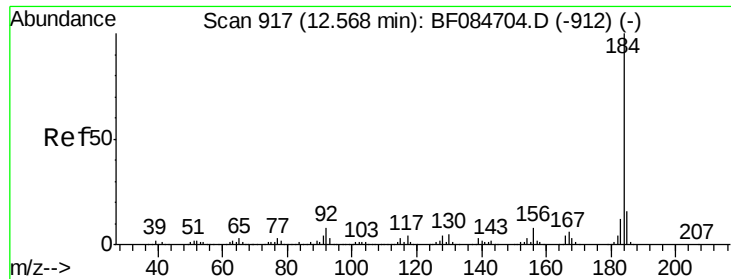
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF084778.D
Acq: 3 Feb 2016 7:35

Tgt Ion:240 Resp: 497161
Ion Ratio Lower Upper
240 100
120 15.9 9.5 14.3#
236 24.7 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 11.60 ng

RT: 12.55 min Scan# 915

Delta R.T. -0.03 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

Instrument :

BNA_F

ClientSampleId :

HSR-WC-23-012916

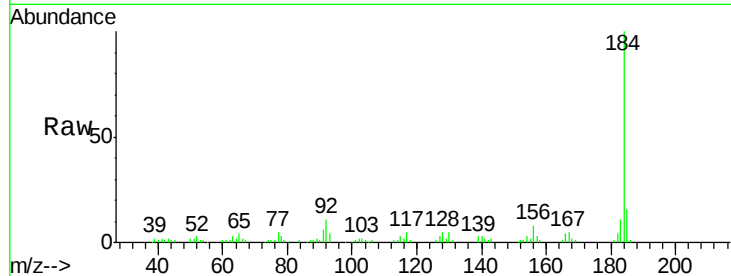
Tot Ion:184 Resp: 121452

Ion Ratio Lower Upper

184 100

185 15.9 12.2 18.2

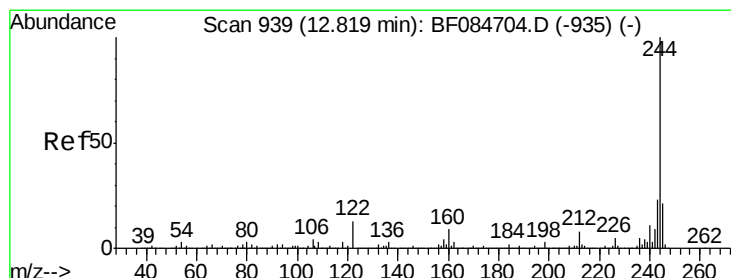
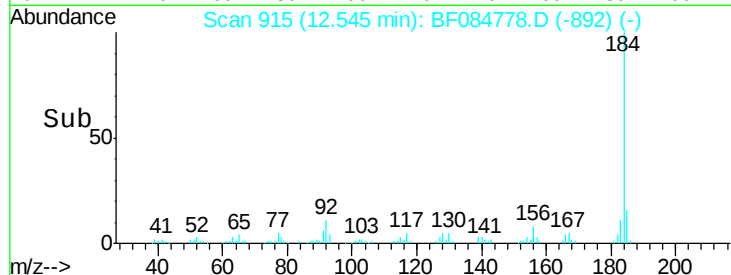
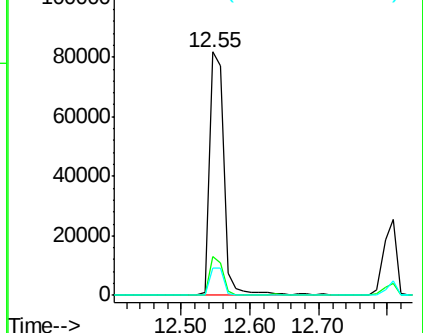
183 11.2 9.8 14.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 94.48 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084778.D

Acq: 3 Feb 2016 7:35

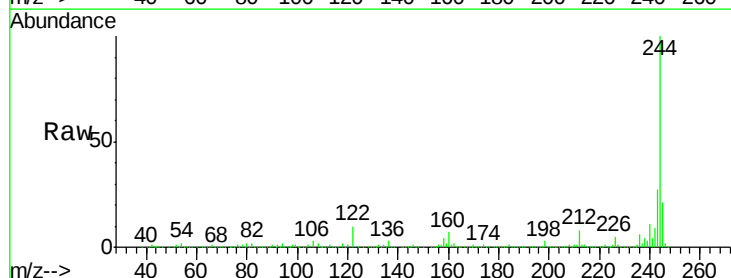
Tgt Ion:244 Resp: 2072914

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

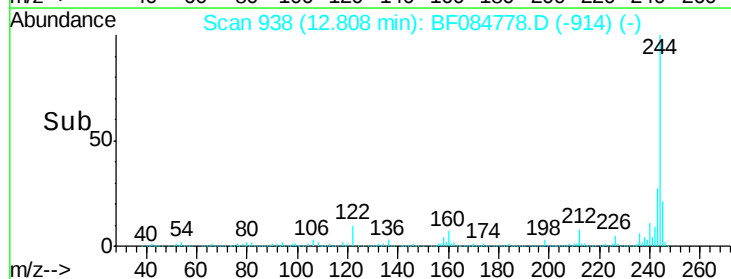
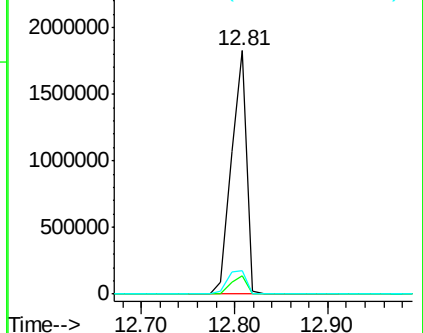
122 9.8 7.4 11.0

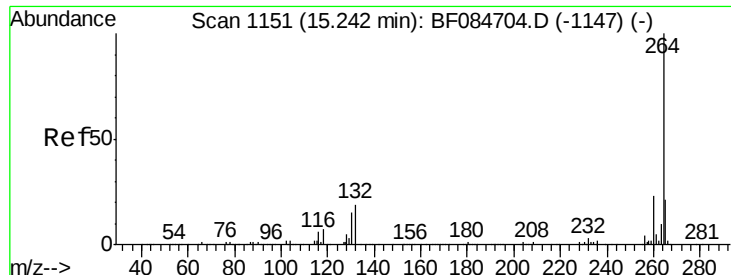


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

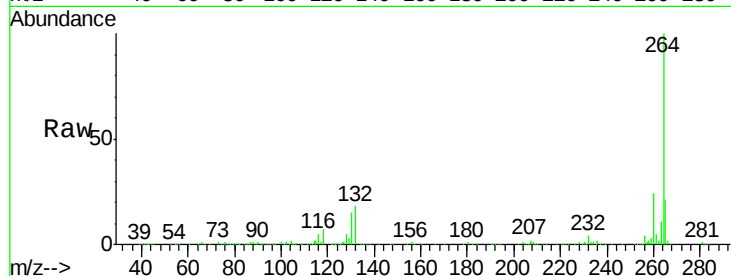




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.22 min Scan# 1149
 Delta R.T. -0.03 min
 Lab File: BF084778.D
 Acq: 3 Feb 2016 7:35

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-23-012916

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.2	17.8	26.6



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

