

Data Path : Z:\HPCHEM1\BNA F\Data\BF020216\
 Data File : BF084777.D
 Acq On : 3 Feb 2016 7:08
 Operator : SJ/IZ
 Sample : H1313-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-22-012916

Quant Time: Feb 03 09:41:59 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

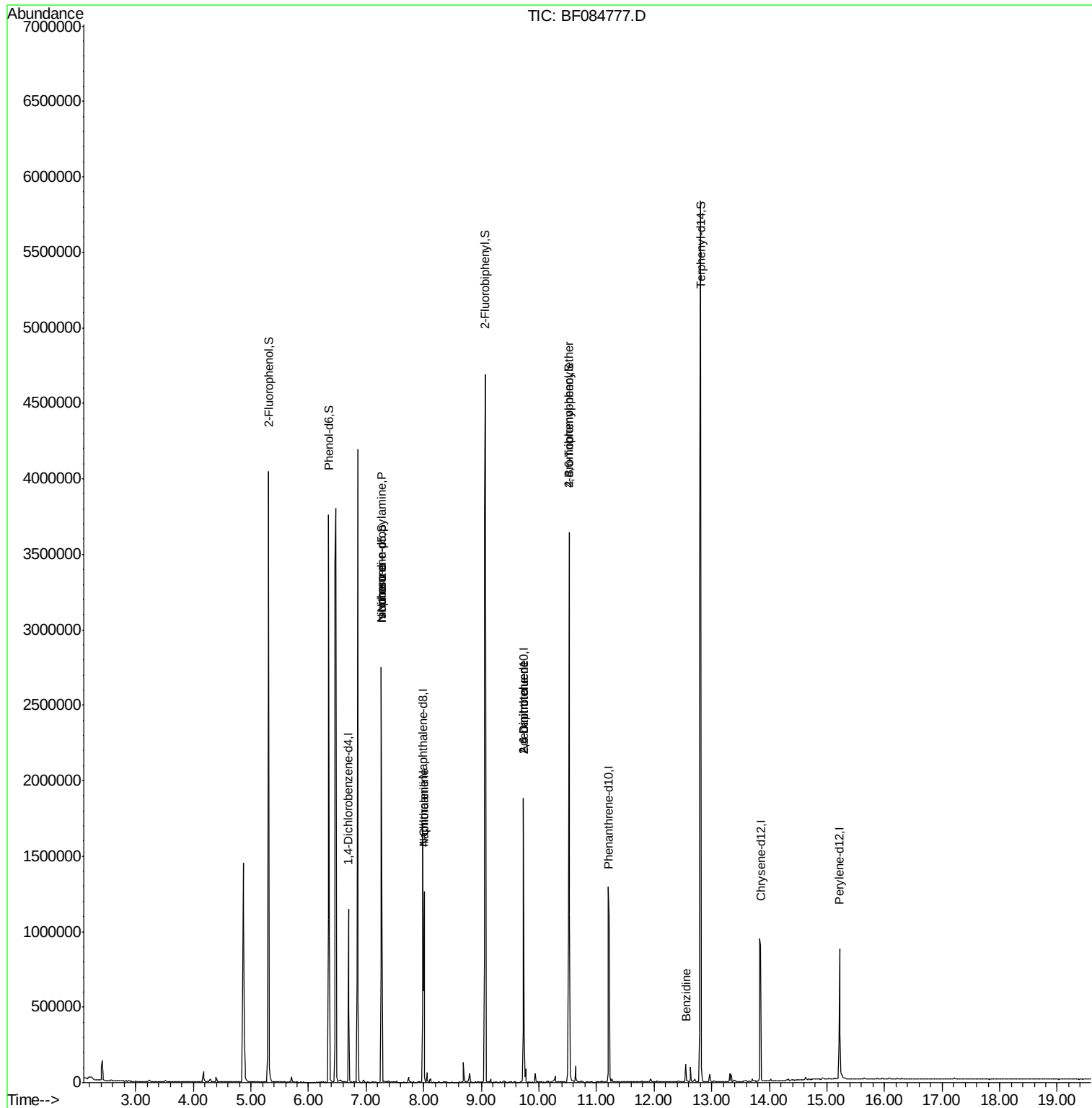
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	180650	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	773917	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	371081	20.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	683851	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	499368	20.00	ng	-0.02
86) Perylene-d12	15.22	264	381099	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1413080	121.84	ng	0.00
7) Phenol-d6	6.35	99	1429326	99.41	ng	-0.02
23) Nitrobenzene-d5	7.26	82	1054257	76.74	ng	-0.03
41) 2,4,6-Tribromophenol	10.52	330	511445	132.13	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	2149521	106.62	ng	-0.02
78) Terphenyl-d14	12.81	244	2110368	95.76	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	142087	15.77	ng	# 71
25) Isophorone	7.26	82	874432	32.73	ng	# 66
31) Naphthalene	8.01	128	621564	16.01	ng	# 99
33) 4-Chloroaniline	8.01	127	80469	5.01	ng	# 32
50) 2,6-Dinitrotoluene	9.73	165	48112	7.79	ng	# 37
56) 2,4-Dinitrotoluene	9.73	165	48112	6.11	ng	# 21
66) 4-Bromophenyl-phenylether	10.52	248	28977	3.84	ng	# 1
76) Benzidine	12.56	184	67925	9.48	ng	# 95

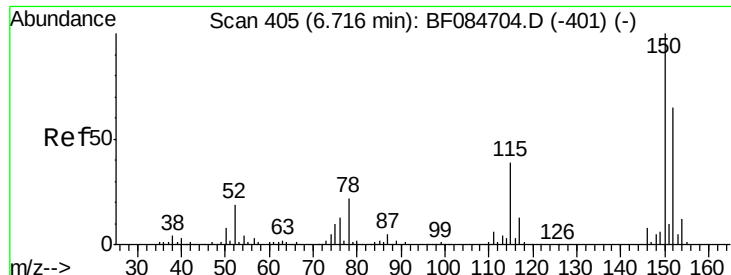
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\HPCHEM1\BNA F\Data\BF020216\  
Data File : BF084777.D  
Acq On    : 3 Feb 2016 7:08  
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Sample    : H1313-03  
Misc      :  
ALS Vial  : 31 Sample Multiplier: 1
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Instrument :
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HSR-WC-22-012916

Quant Time: Feb 03 09:41:59 2016
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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: BF084777.D

Acq: 3 Feb 2016 7:08

Instrument :

BNA_F

ClientSampleId :

HSR-WC-22-012916

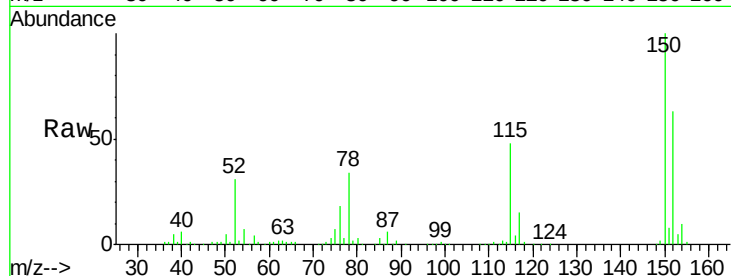
Tot Ion:152 Resp: 180650

Ion Ratio Lower Upper

152 100

150 159.5 123.0 184.4

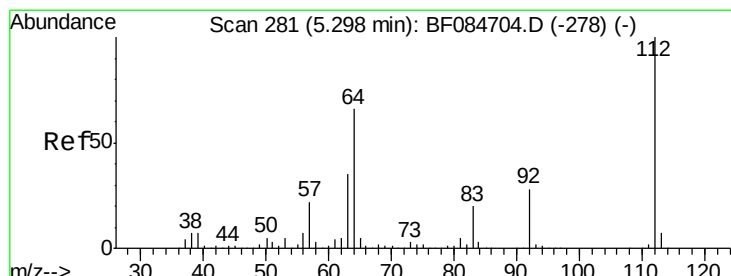
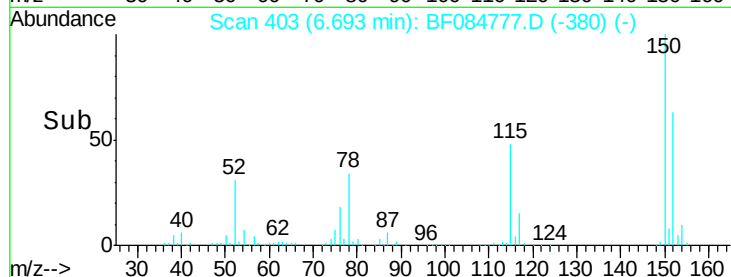
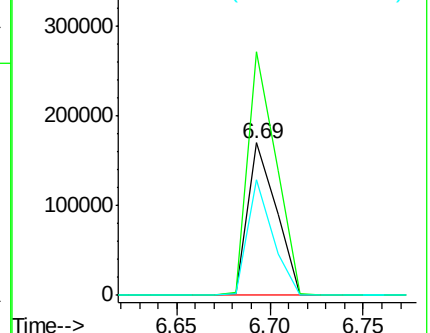
115 76.0 51.4 77.2



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: 121.84 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.00 min

Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

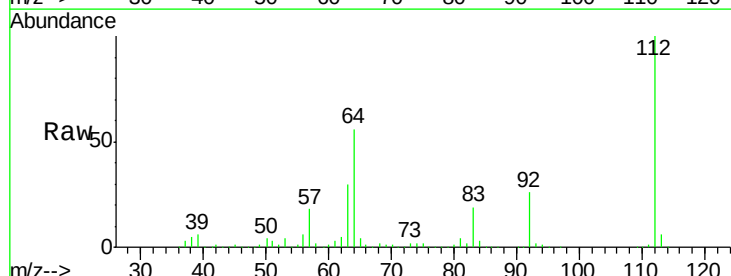
Tgt Ion:112 Resp: 1413080

Ion Ratio Lower Upper

112 100

64 55.5 36.6 55.0#

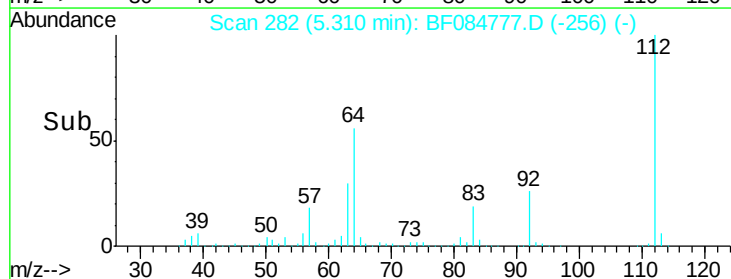
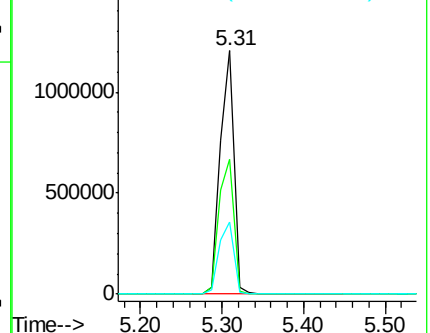
63 29.8 19.4 29.0#

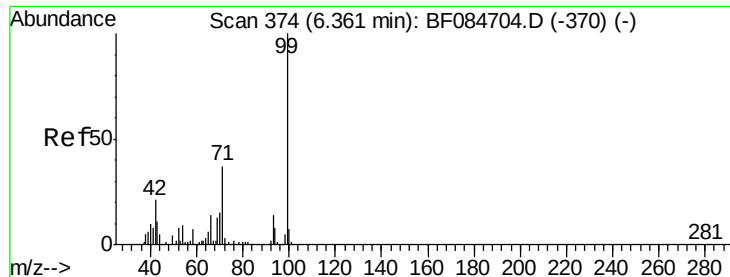


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.41 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

Instrument :

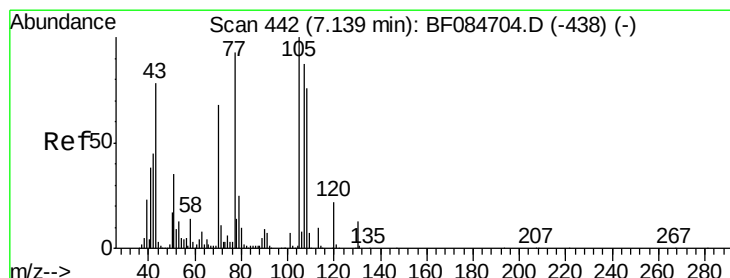
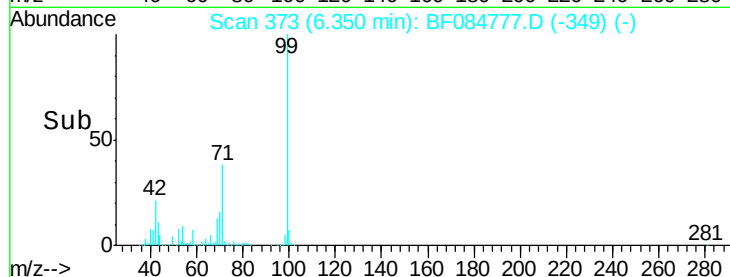
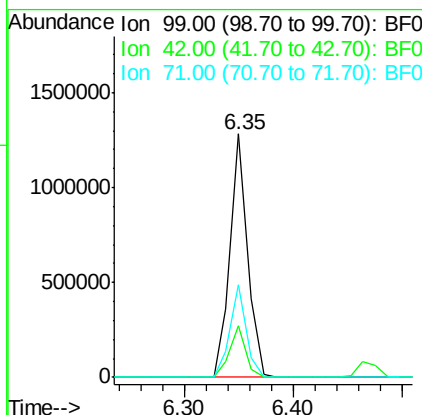
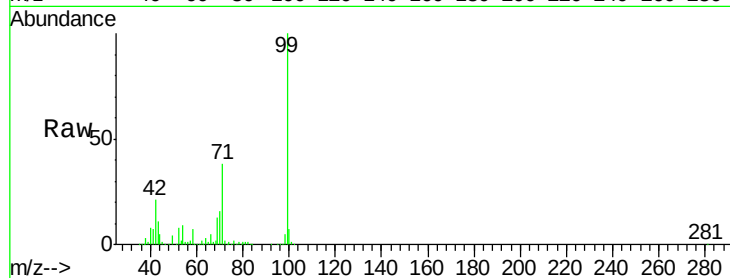
BNA_F

ClientSampleId :

HSR-WC-22-012916

Tot Ion: 99 Resp: 1429326

Ion	Ratio	Lower	Upper
99	100		
42	21.2	12.8	19.2#
71	38.2	30.9	46.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.77 ng

RT: 7.26 min Scan# 453

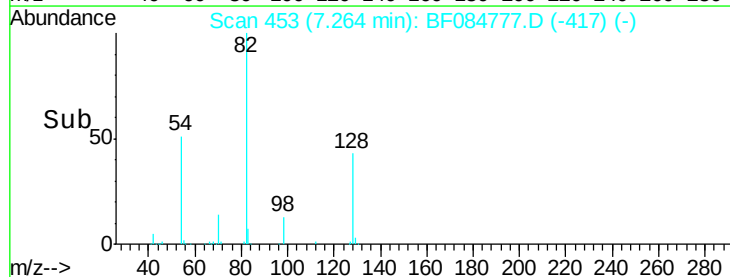
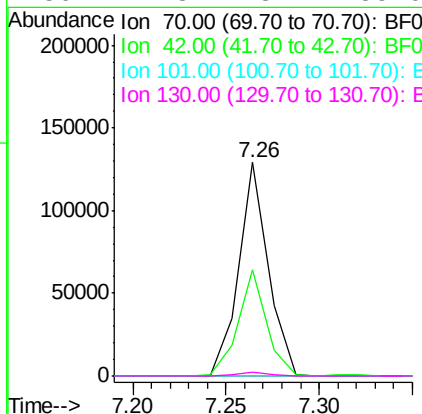
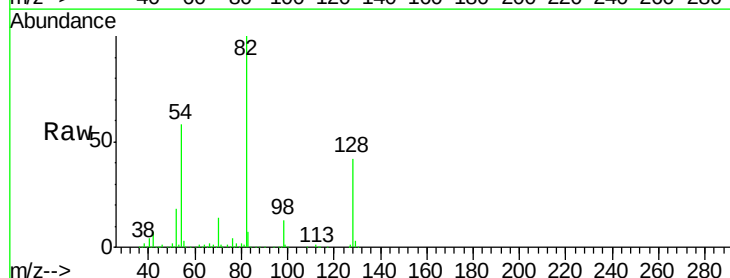
Delta R.T. 0.11 min

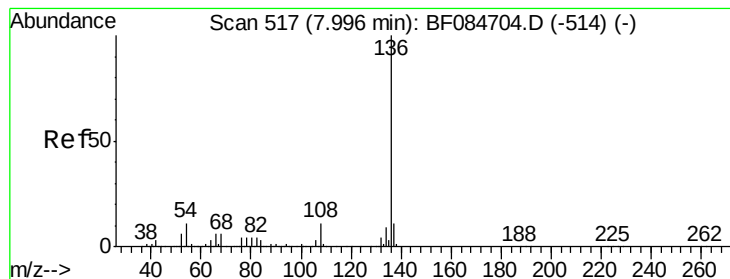
Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

Tgt Ion: 70 Resp: 142087

Ion	Ratio	Lower	Upper
70	100		
42	49.7	33.3	49.9
101	0.0	9.3	13.9#
130	1.8	23.4	35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

Instrument :

BNA_F

ClientSampleId :

HSR-WC-22-012916

Tot Ion:136 Resp: 773917

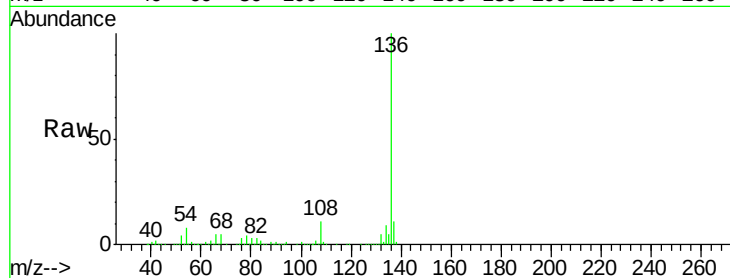
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 8.2 5.8 8.8

68 4.7 4.2 6.2

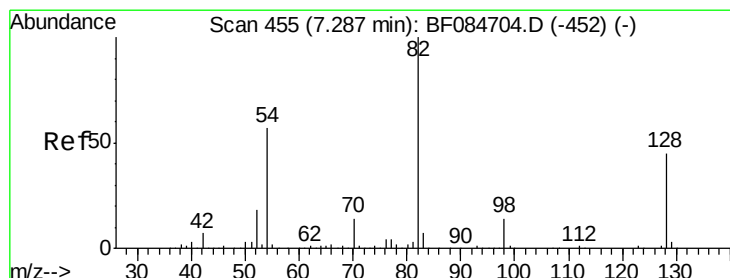
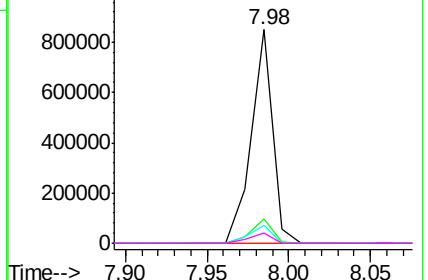
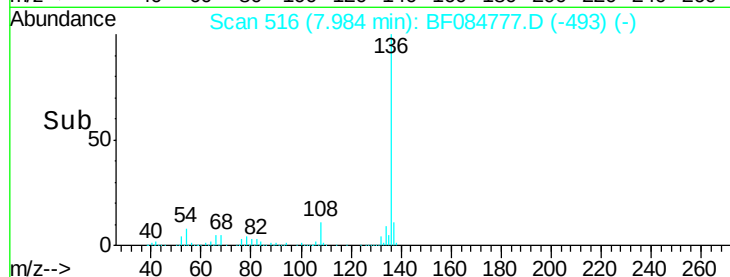


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.74 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.03 min

Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

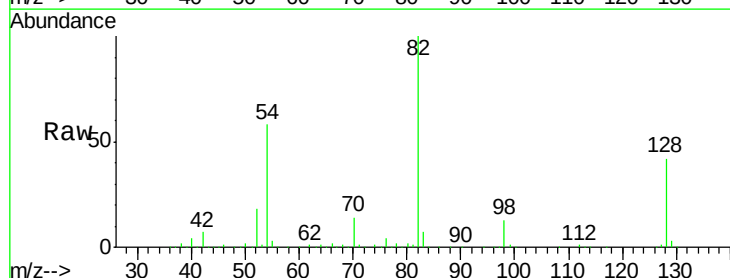
Tgt Ion: 82 Resp: 1054257

Ion Ratio Lower Upper

82 100

128 42.5 34.6 51.8

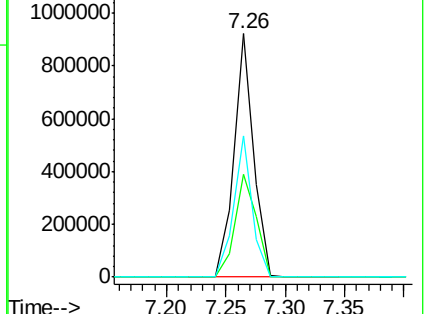
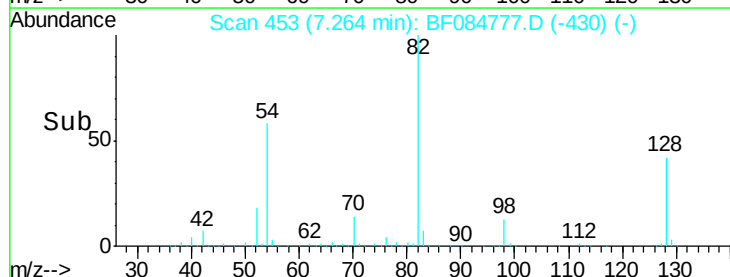
54 58.0 38.4 57.6#

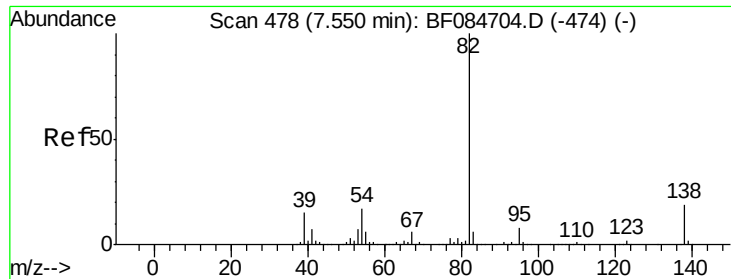


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.73 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.30 min

Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

Instrument :

BNA_F

ClientSampleId :

HSR-WC-22-012916

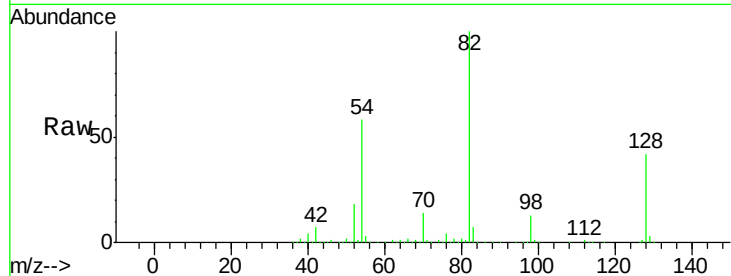
Tot Ion: 82 Resp: 874432

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

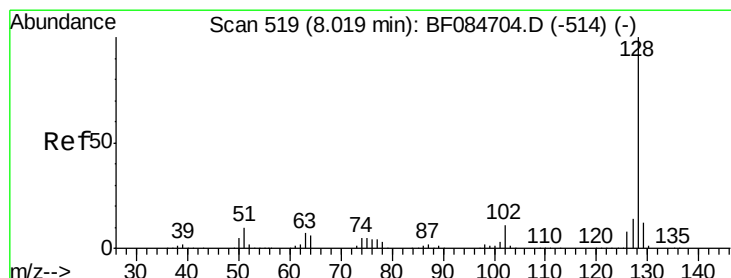
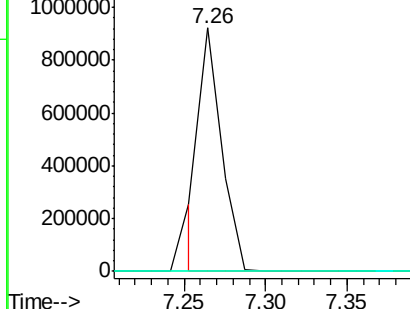
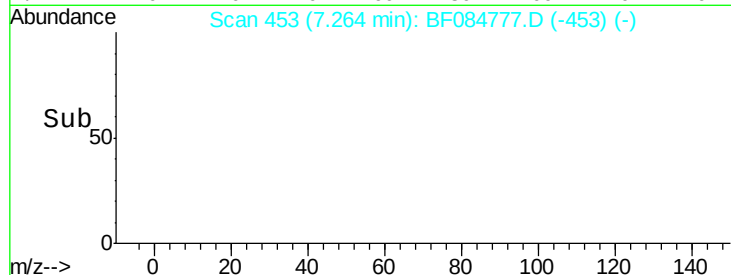
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 16.01 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

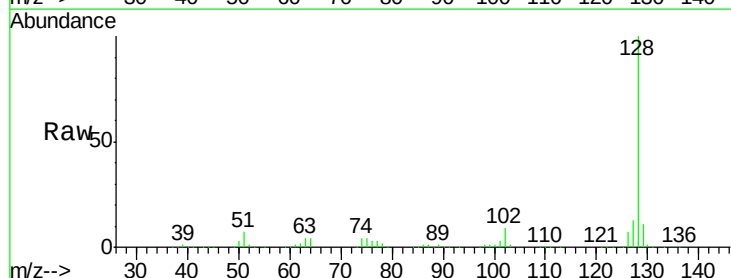
Tgt Ion: 128 Resp: 621564

Ion Ratio Lower Upper

128 100

129 11.1 9.1 13.7

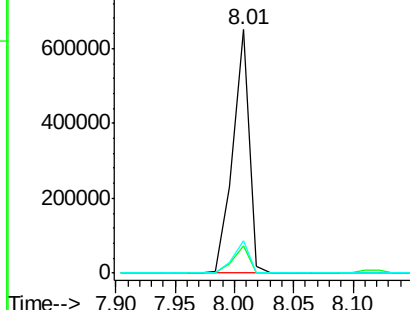
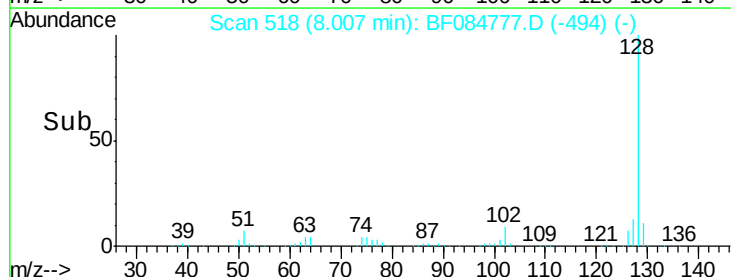
127 13.1 11.1 16.7

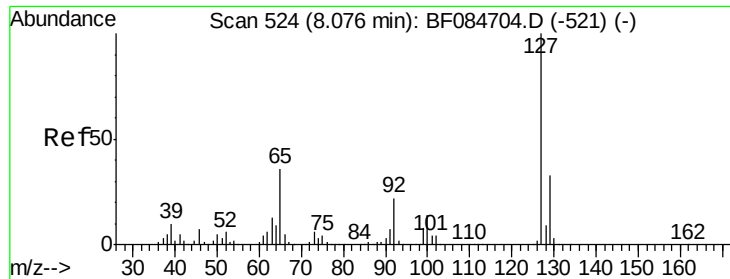


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

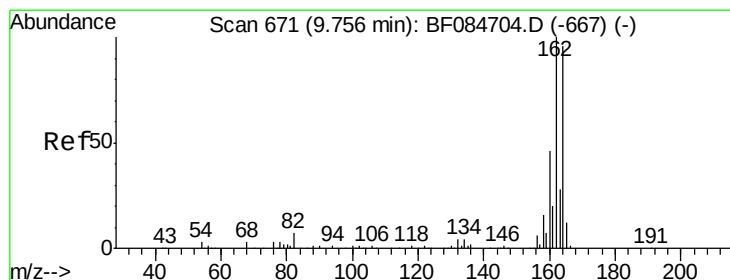
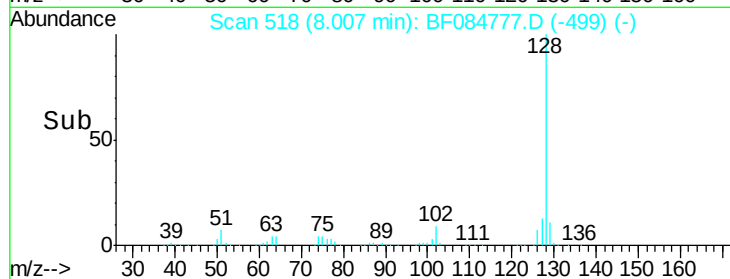
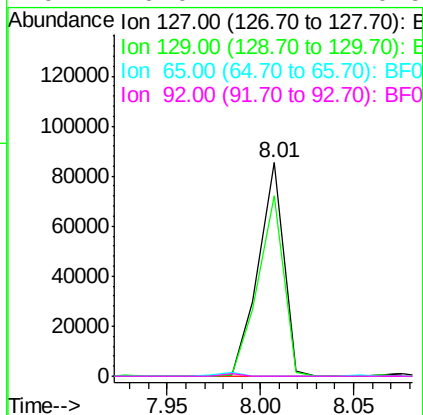
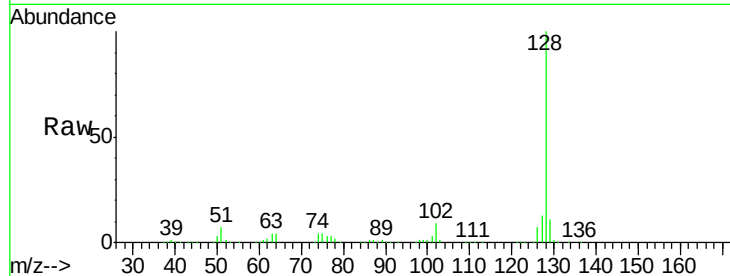




#33
4-Chloroaniline
Concen: 5.01 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.08 min
Lab File: BF084777.D
Acq: 3 Feb 2016 7:08

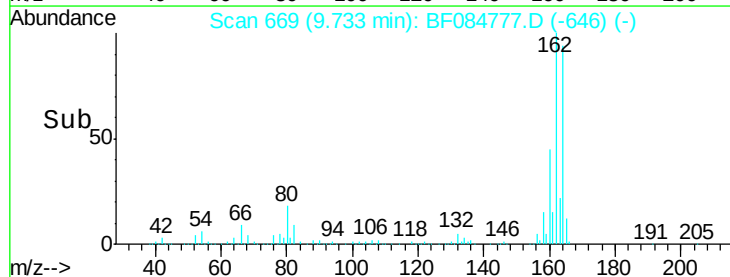
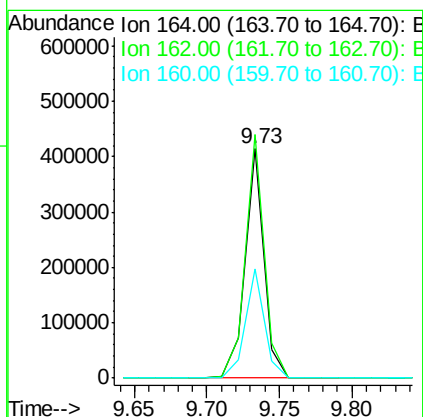
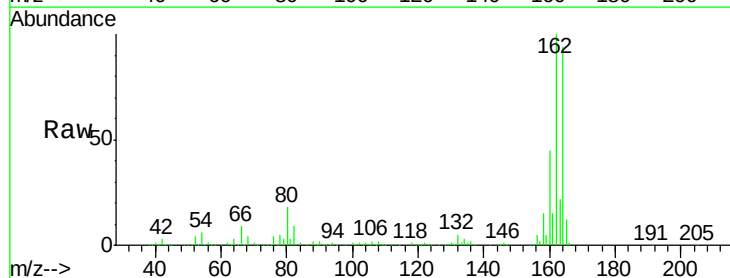
Instrument :
BNA_F
ClientSampleId :
HSR-WC-22-012916

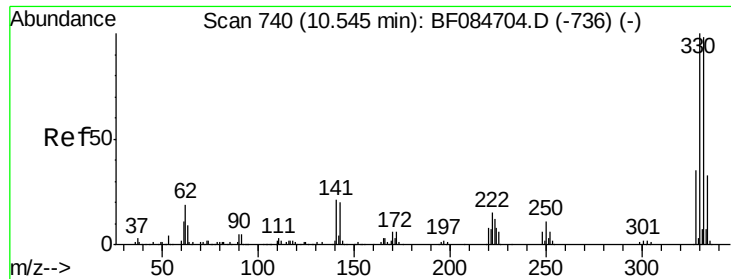
Tot Ion:127	Resp:	80469
Ion Ratio	Lower	Upper
127	100	
129	84.3	26.5 39.7#
65	0.0	27.2 40.8#
92	0.0	17.7 26.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.03 min
Lab File: BF084777.D
Acq: 3 Feb 2016 7:08

Tgt Ion:164	Resp:	371081
Ion Ratio	Lower	Upper
164	100	
162	106.4	85.1 127.7
160	47.6	37.5 56.3

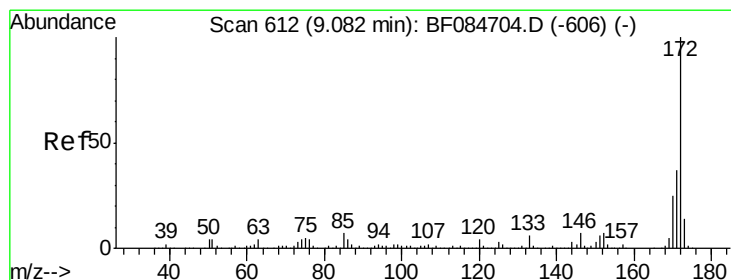
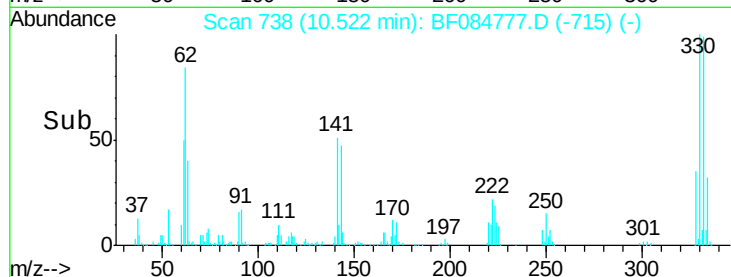
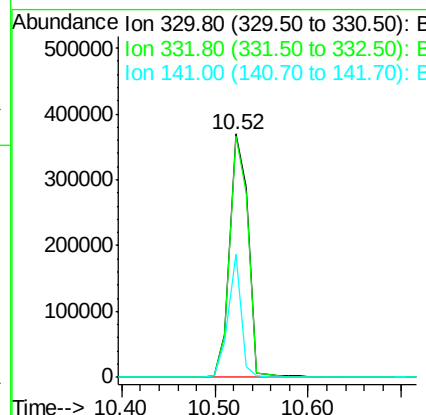
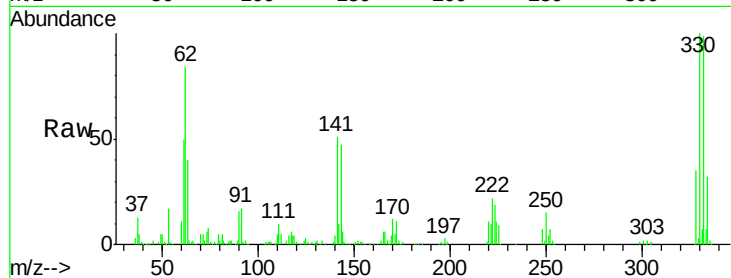




#41
 2,4,6-Tribromophenol
 Concen: 132.13 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.03 min
 Lab File: BF084777.D
 Acq: 3 Feb 2016 7:08

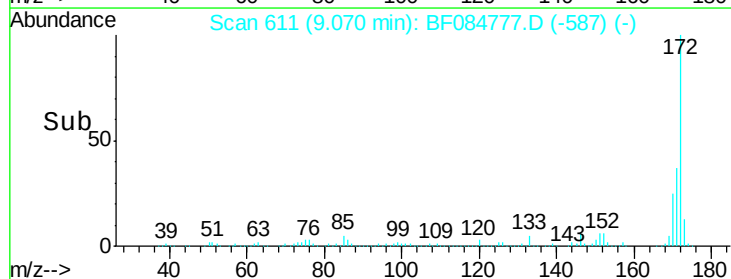
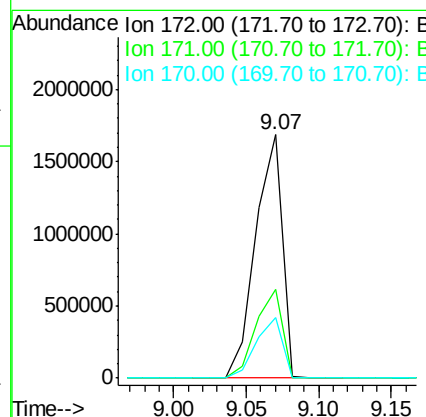
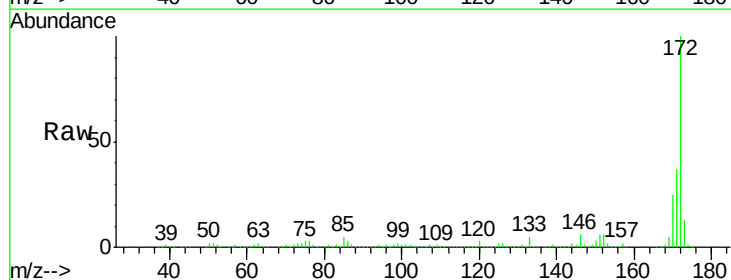
Instrument :
 BNA_F
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 HSR-WC-22-012916

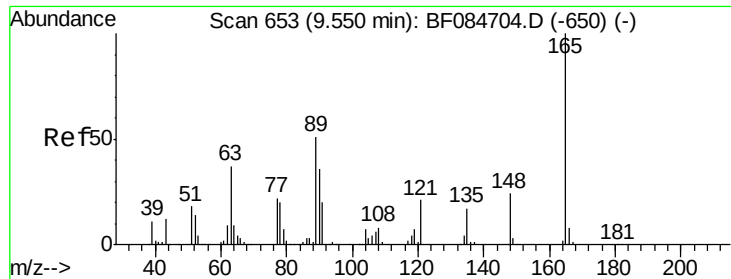
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.6	114.8
141	35.8	27.8	41.6



#44
 2-Fluorobiphenyl
 Concen: 106.62 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084777.D
 Acq: 3 Feb 2016 7:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.9	43.3
170	25.1	18.6	27.8

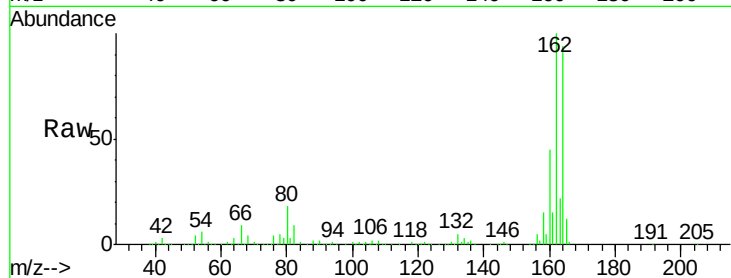




#50
 2,6-Dinitrotoluene
 Concen: 7.79 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.17 min
 Lab File: BF084777.D
 Acq: 3 Feb 2016 7:08

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-22-012916

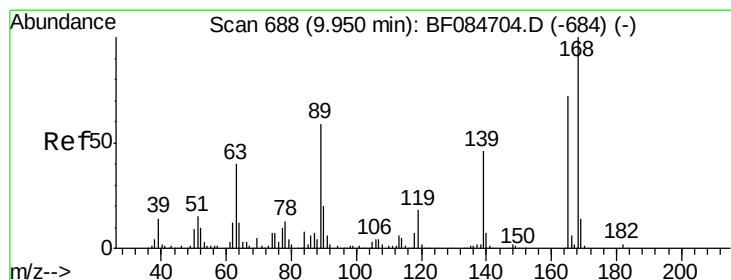
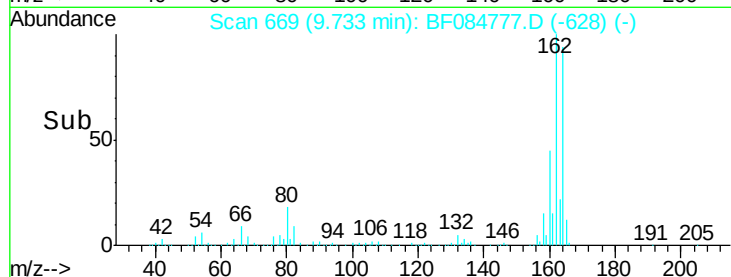
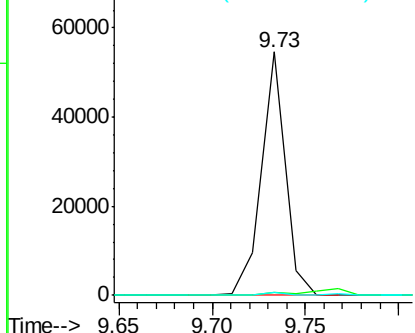
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.8	43.2#
89	1.5	35.1	52.7#



Abundance Ion 165.00 (164.70 to 165.70): E

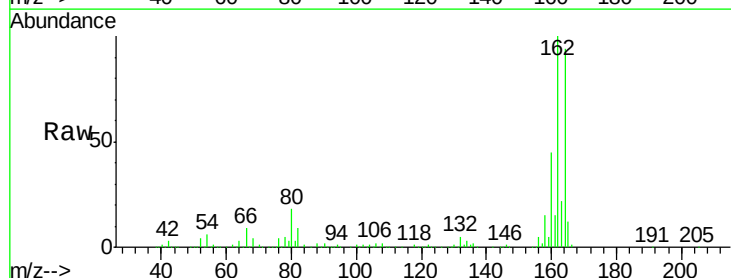
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.11 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.23 min
 Lab File: BF084777.D
 Acq: 3 Feb 2016 7:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.7	55.1#
89	1.5	61.9	92.9#
182	0.0	2.0	3.0#

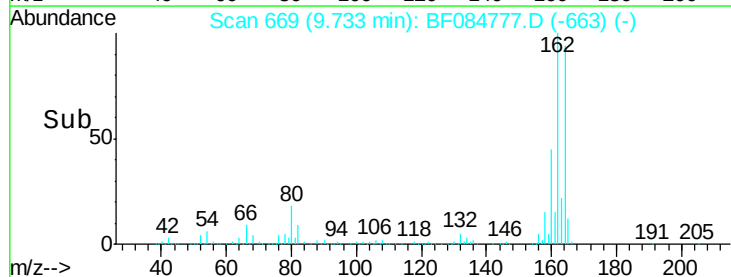
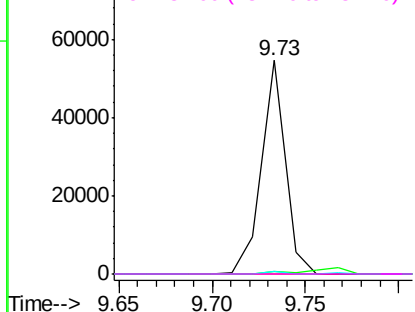


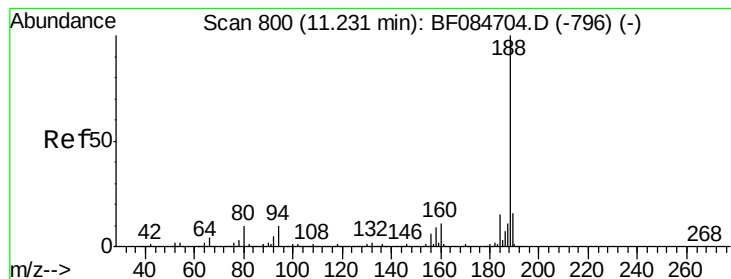
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.22 min Scan# 799

Delta R.T. -0.02 min

Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

Instrument :

BNA_F

ClientSampleId :

HSR-WC-22-012916

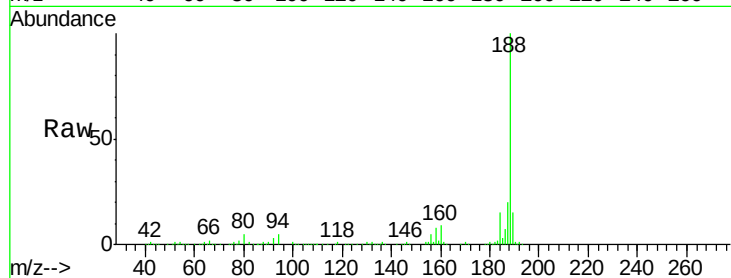
Tot Ion:188 Resp: 683851

Ion Ratio Lower Upper

188 100

94 5.2 9.0 13.4#

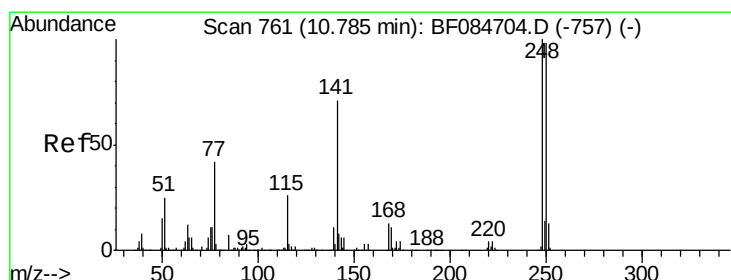
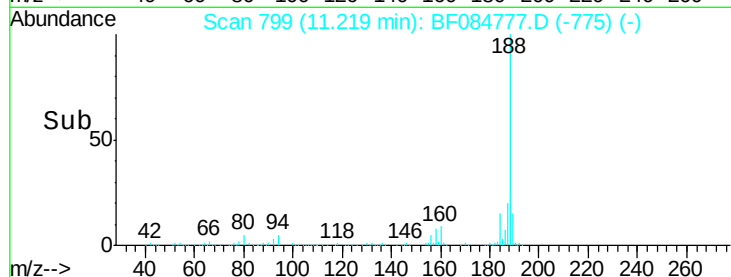
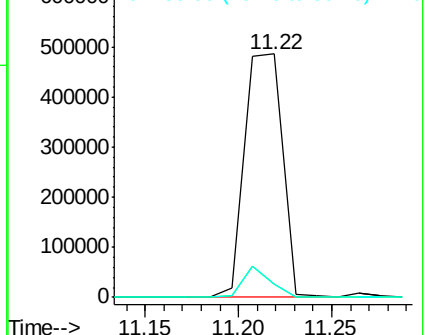
80 5.4 9.6 14.4#



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: 3.84 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.27 min

Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

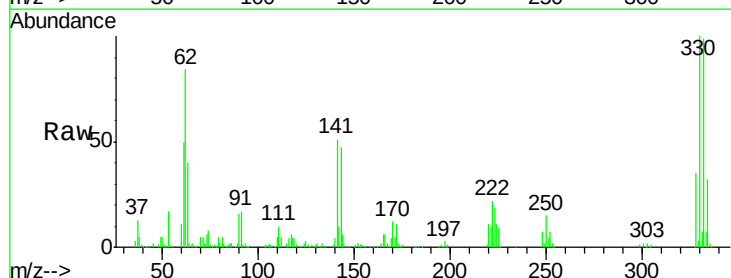
Tgt Ion:248 Resp: 28977

Ion Ratio Lower Upper

248 100

250 207.5 78.4 117.6#

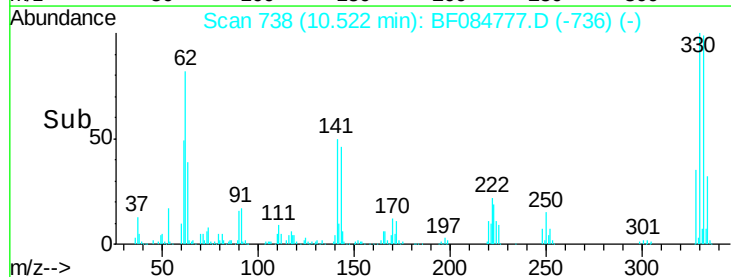
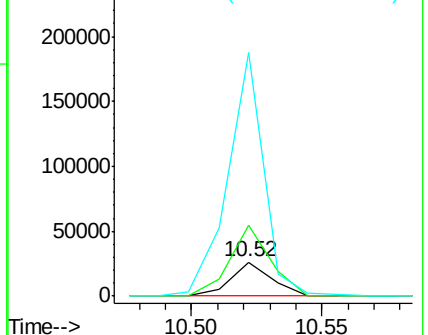
141 713.8 44.0 66.0#

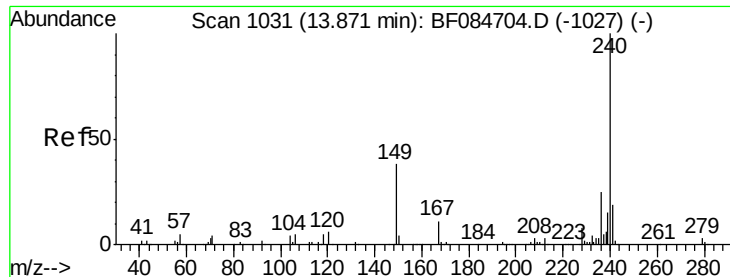


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.85 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

Instrument :

BNA_F

ClientSampleId :

HSR-WC-22-012916

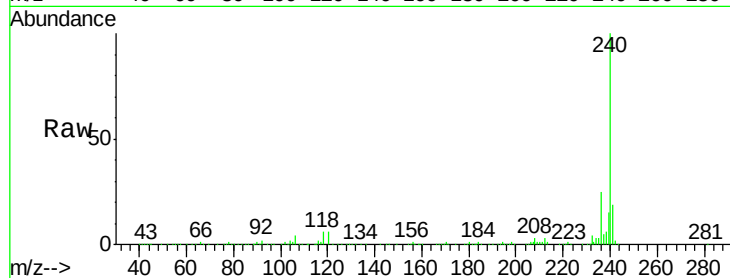
Tot Ion:240 Resp: 499368

Ion Ratio Lower Upper

240 100

120 6.1 9.5 14.3#

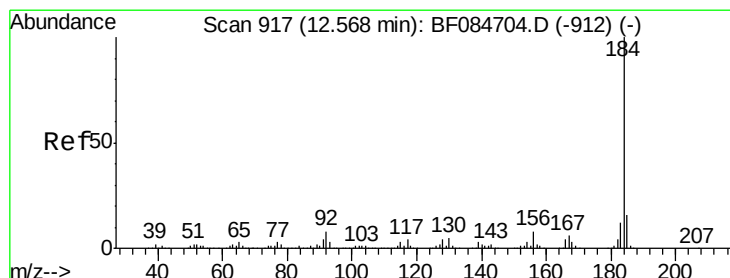
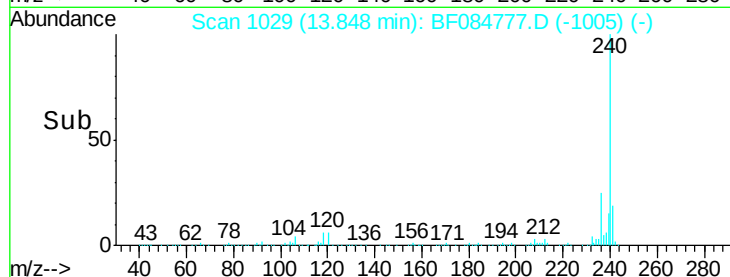
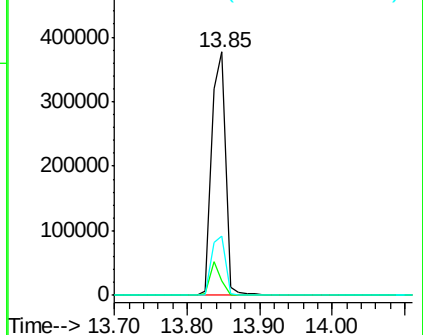
236 24.6 20.6 31.0



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: 9.48 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.02 min

Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

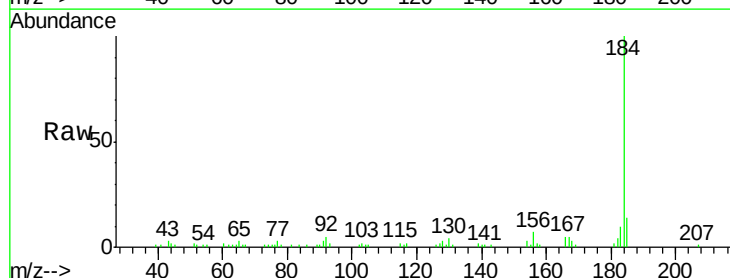
Tgt Ion:184 Resp: 67925

Ion Ratio Lower Upper

184 100

185 13.9 12.2 18.2

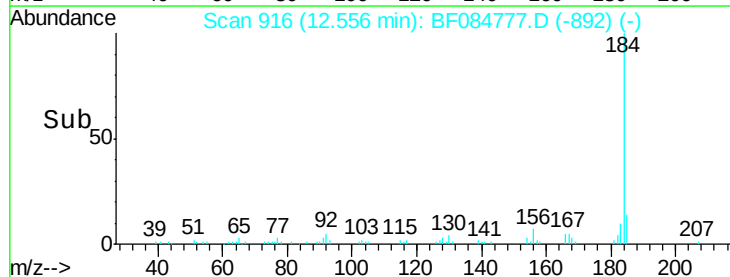
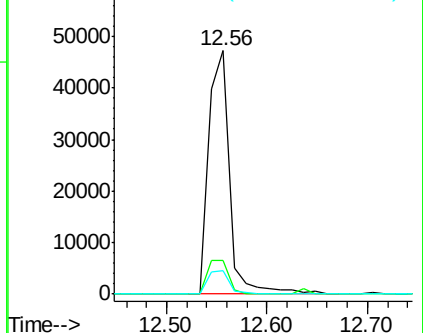
183 9.7 9.8 14.8#

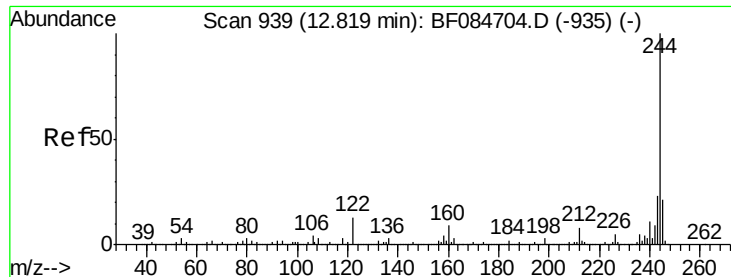


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

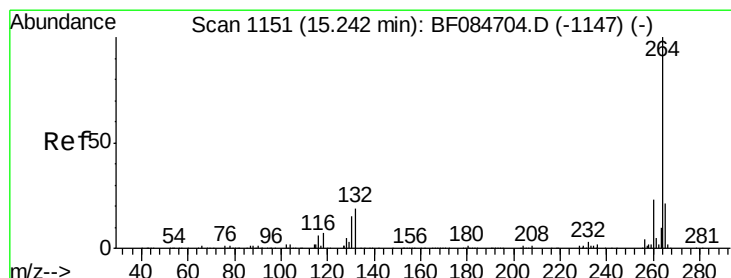
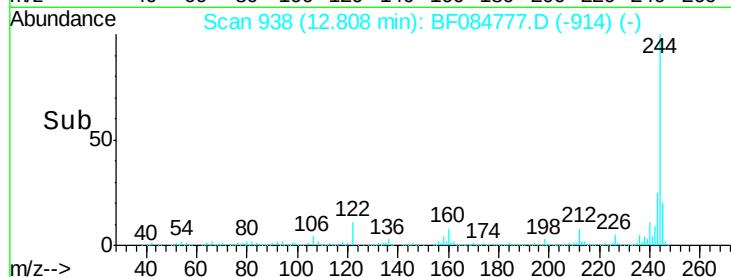
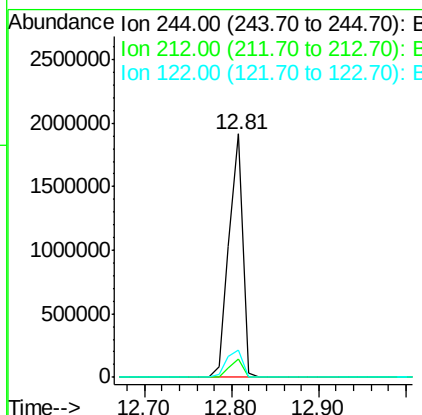
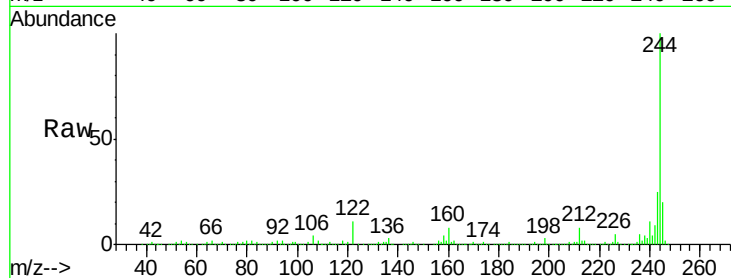




#78
 Terphenyl-d14
 Concen: 95.76 ng
 RT: 12.81 min Scan# 938
 Delta R.T. -0.02 min
 Lab File: BF084777.D
 Acq: 3 Feb 2016 7:08

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-22-012916

Tot Ion:244 Resp: 2110368
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.7 8.5
 122 11.1 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.22 min Scan# 1149
 Delta R.T. -0.03 min
 Lab File: BF084777.D
 Acq: 3 Feb 2016 7:08

Tgt Ion:264 Resp: 381099
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.4 29.2
 265 21.9 17.8 26.6

