

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020216\
 Data File : BF084775.D
 Acq On : 3 Feb 2016 6:12
 Operator : SJ/IZ
 Sample : H1313-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-20-012916

Quant Time: Feb 03 07:31:00 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

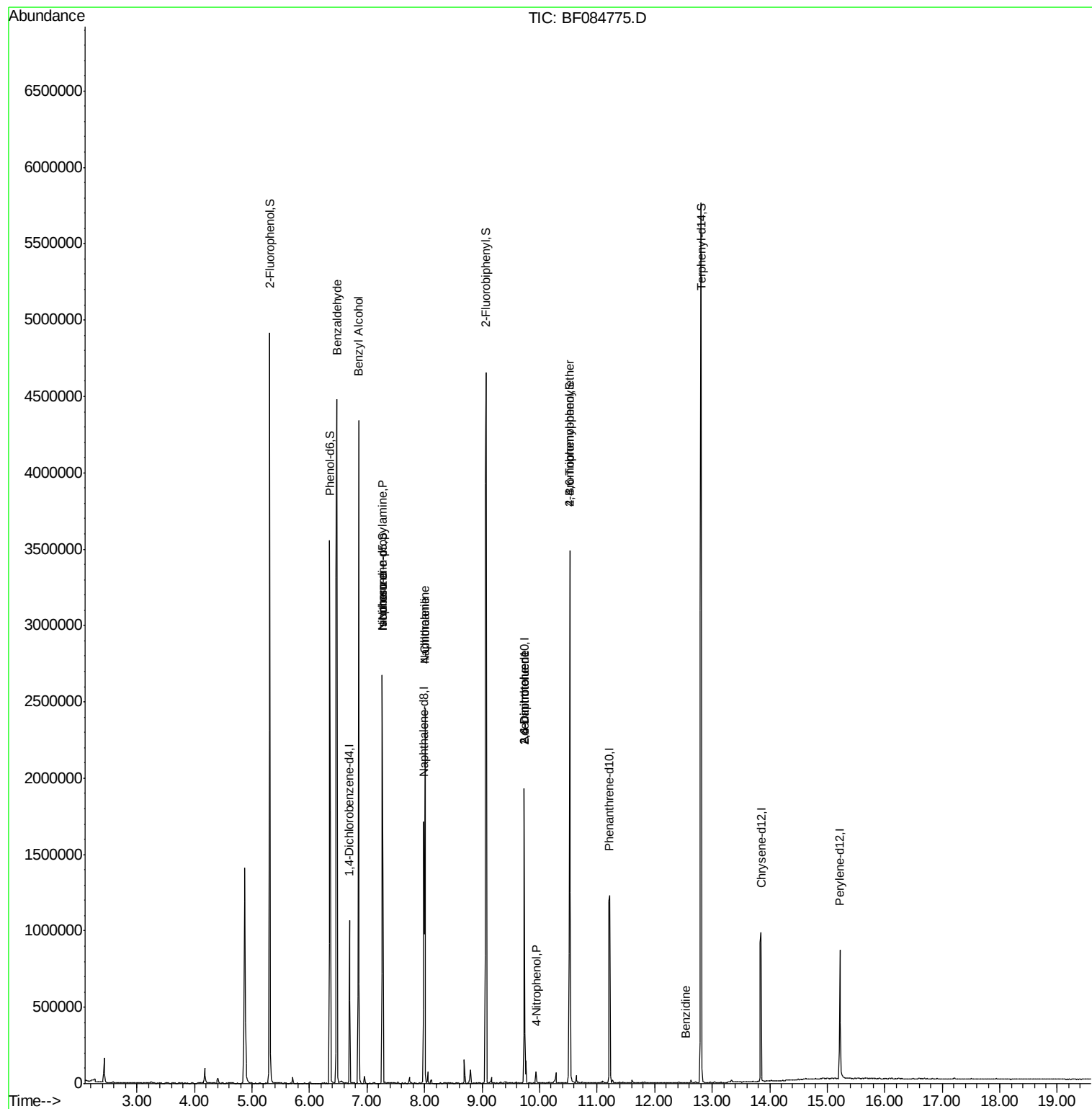
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	181675	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	785518	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	370885	20.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	680650	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	510956	20.00	ng	-0.02
86) Perylene-d12	15.22	264	385506	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1419270	121.68	ng	0.00
7) Phenol-d6	6.35	99	1576764	109.05	ng	-0.02
23) Nitrobenzene-d5	7.26	82	1112359	79.77	ng	-0.03
41) 2,4,6-Tribromophenol	10.52	330	513805	132.81	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	2188842	110.42	ng	-0.02
78) Terphenyl-d14	12.81	244	2033941	90.20	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.48	77	37039	4.34	ng	Qvalue 89
15) Benzyl Alcohol	6.85	79	20391	2.04	ng	# 48
19) n-Nitroso-di-n-propylamine	7.26	70	149751	16.52	ng	# 70
25) Isophorone	7.26	82	943331	34.79	ng	# 66
31) Naphthalene	8.01	128	1140533	28.95	ng	99
33) 4-Chloroaniline	8.01	127	154006	9.45	ng	# 32
50) 2,6-Dinitrotoluene	9.73	165	48415	7.85	ng	# 37
55) 4-Nitrophenol	9.94	139	11506	2.26	ng	# 12
56) 2,4-Dinitrotoluene	9.73	165	48415	6.15	ng	# 21
66) 4-Bromophenyl-phenylether	10.52	248	28592	3.80	ng	# 1
76) Benzydine	12.53	184	1701	6.95	ng	# 66

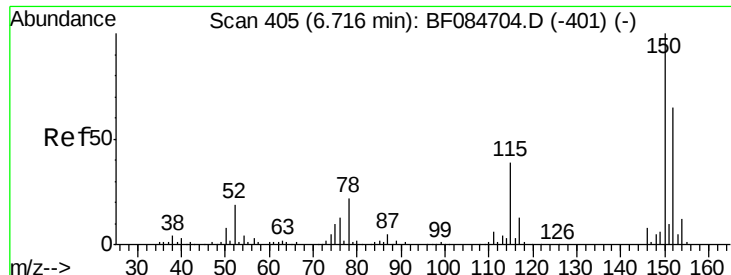
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084775.D

Acq: 3 Feb 2016 6:12

Instrument :

BNA_F

ClientSampleId :

HSR-WC-20-012916

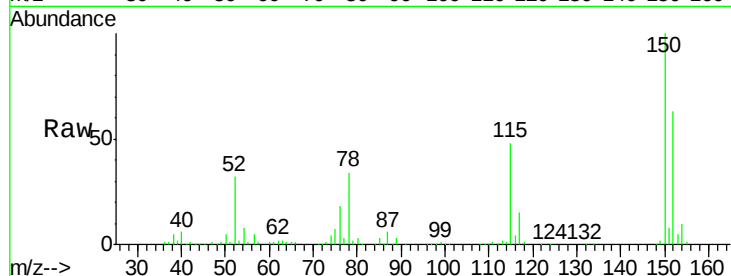
Tgt Ion:152 Resp: 181675

Ion Ratio Lower Upper

152 100

150 157.7 123.0 184.4

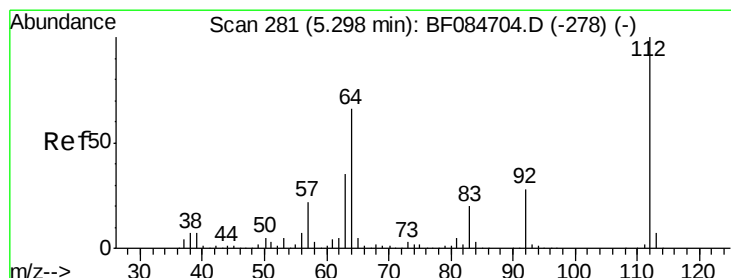
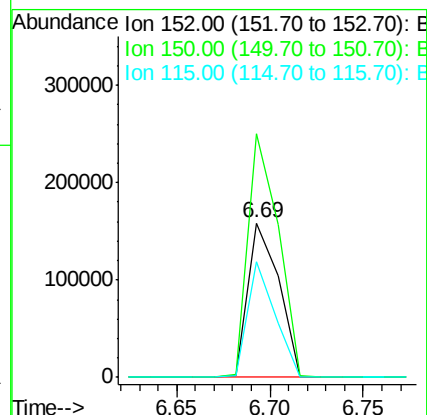
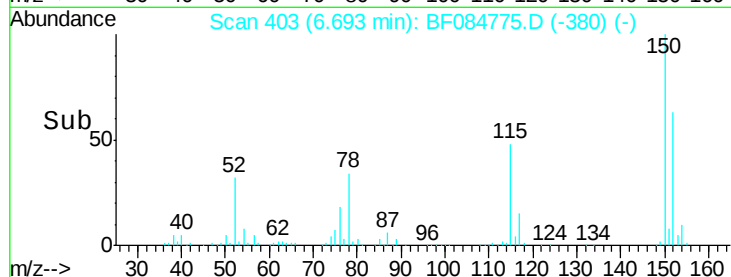
115 74.9 51.4 77.2



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: 121.68 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.00 min

Lab File: BF084775.D

Acq: 3 Feb 2016 6:12

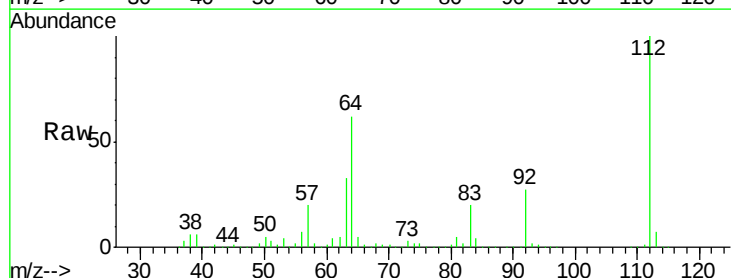
Tgt Ion:112 Resp: 1419270

Ion Ratio Lower Upper

112 100

64 61.6 36.6 55.0#

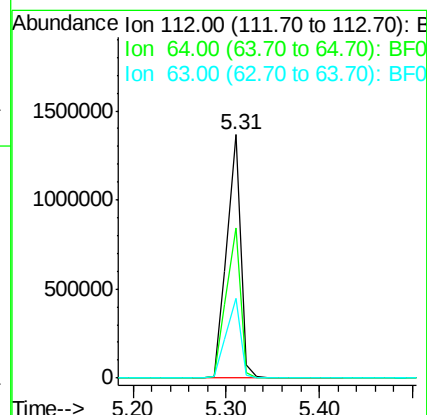
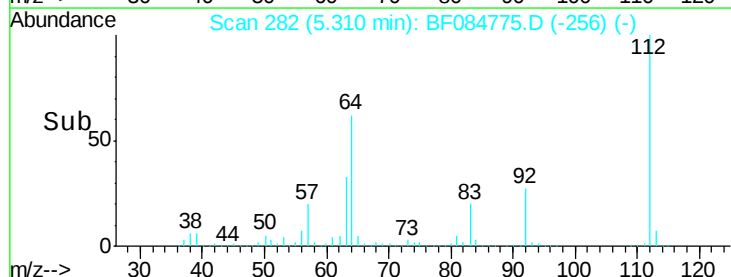
63 32.8 19.4 29.0#

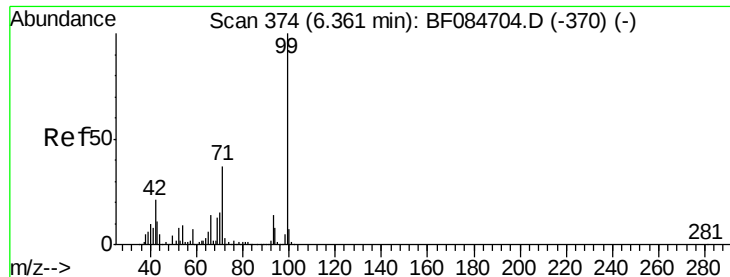


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.05 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084775.D

Acq: 3 Feb 2016 6:12

Instrument :

BNA_F

ClientSampleId :

HSR-WC-20-012916

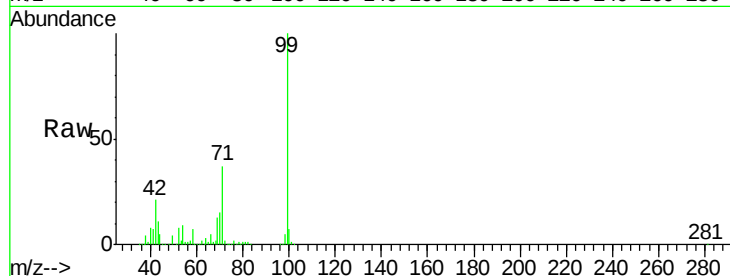
Tgt Ion: 99 Resp: 1576764

Ion Ratio Lower Upper

99 100

42 21.0 12.8 19.2#

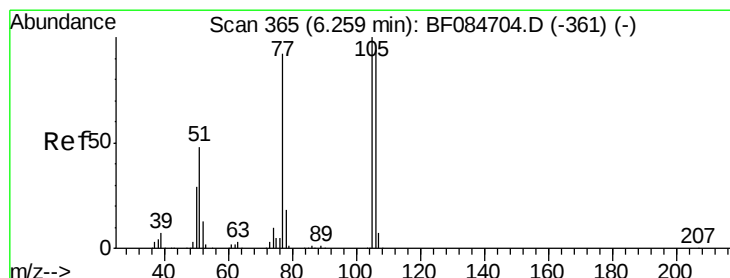
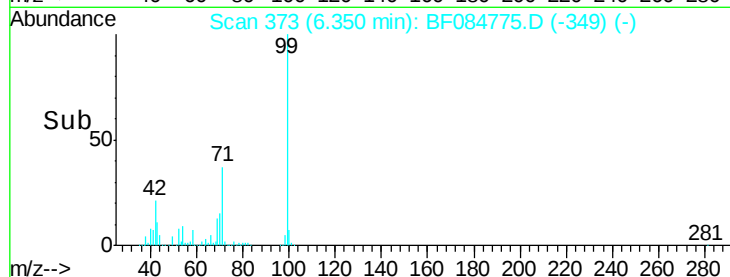
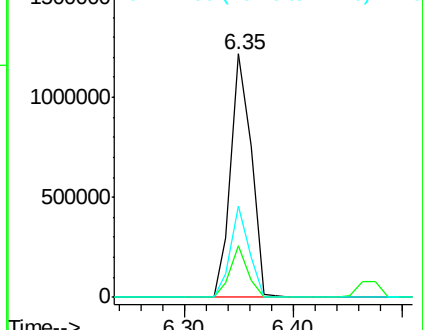
71 37.4 30.9 46.3



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



#9

Benzaldehyde

Concen: 4.34 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.21 min

Lab File: BF084775.D

Acq: 3 Feb 2016 6:12

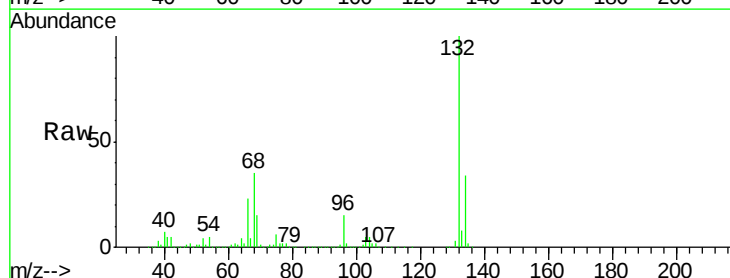
Tgt Ion: 77 Resp: 37039

Ion Ratio Lower Upper

77 100

105 92.2 83.0 123.0

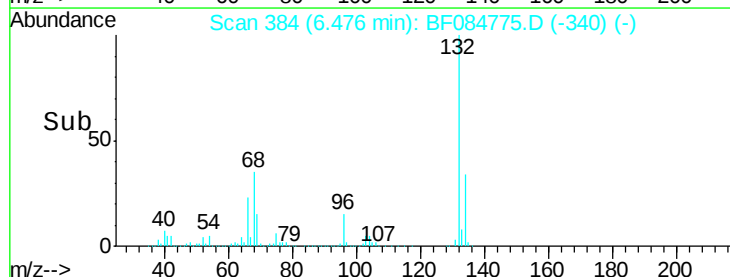
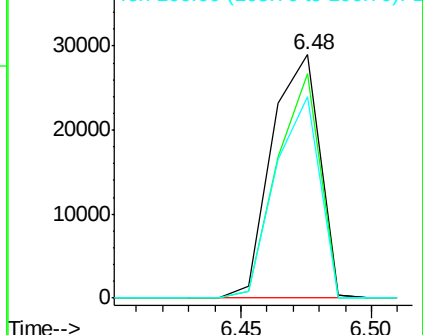
106 82.7 74.6 114.6

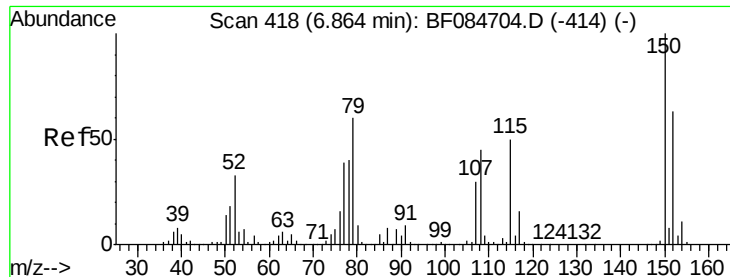


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF084775.D

Acq: 3 Feb 2016 6:12

Instrument :

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ClientSampleId :

HSR-WC-20-012916

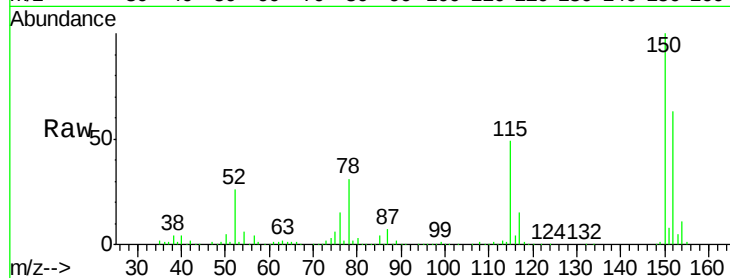
Tgt Ion: 79 Resp: 20391

Ion Ratio Lower Upper

79 100

108 27.2 69.0 103.4#

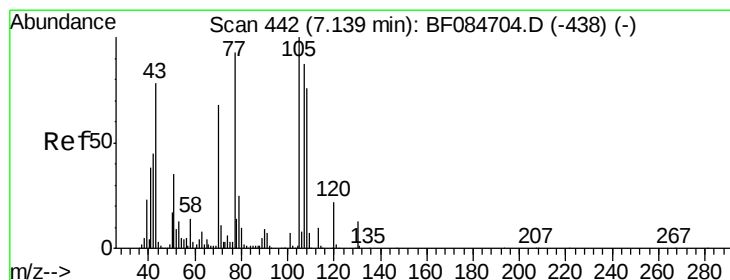
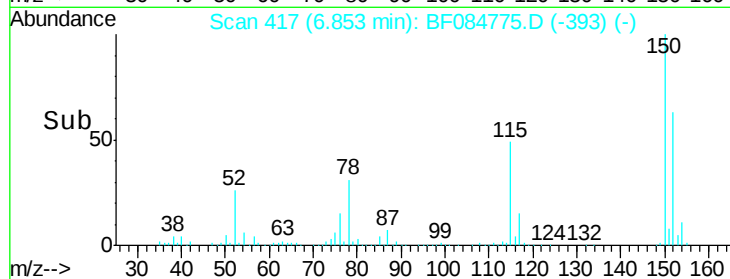
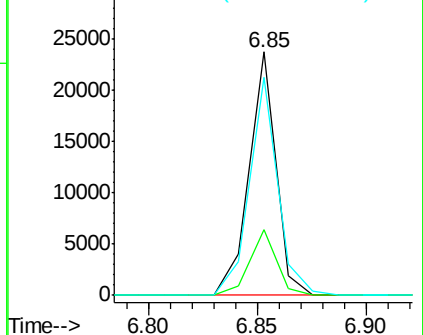
77 89.7 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.52 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.11 min

Lab File: BF084775.D

Acq: 3 Feb 2016 6:12

Tgt Ion: 70 Resp: 149751

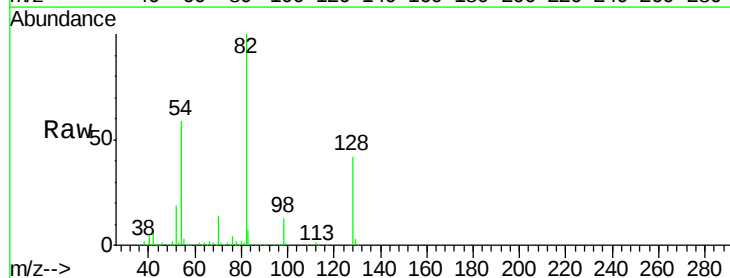
Ion Ratio Lower Upper

70 100

42 50.8 33.3 49.9#

101 0.0 9.3 13.9#

130 1.7 23.4 35.0#

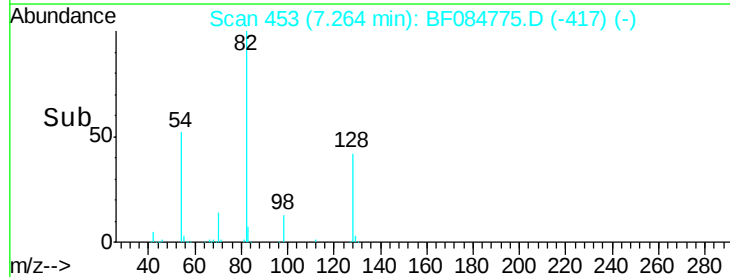
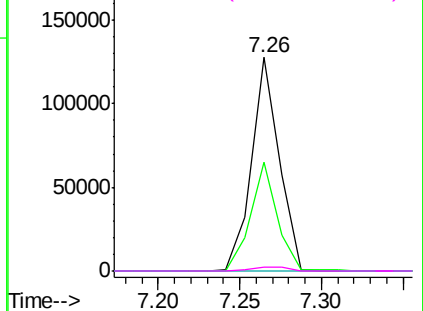


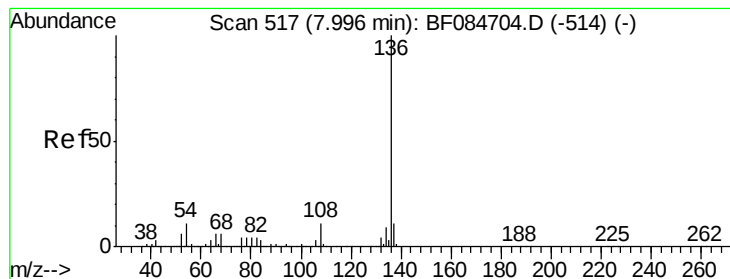
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF084775.D

Acq: 3 Feb 2016 6:12

Instrument :

BNA_F

ClientSampleId :

HSR-WC-20-012916

Tgt Ion: 136 Resp: 785518

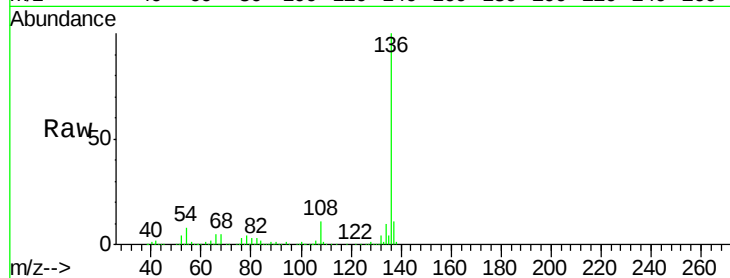
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 8.2 5.8 8.8

68 4.8 4.2 6.2

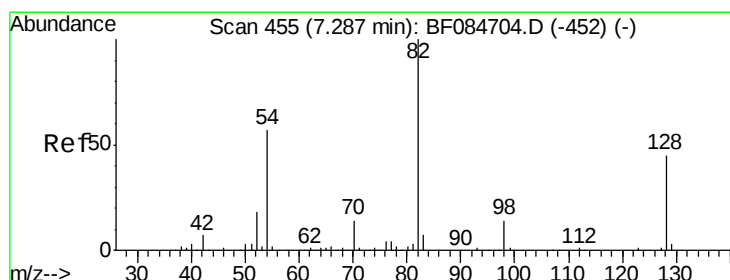
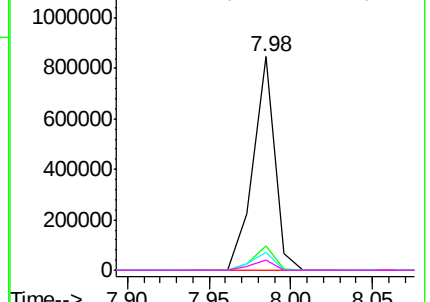
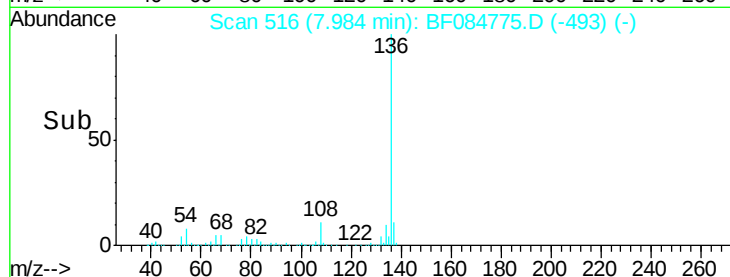


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.77 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.03 min

Lab File: BF084775.D

Acq: 3 Feb 2016 6:12

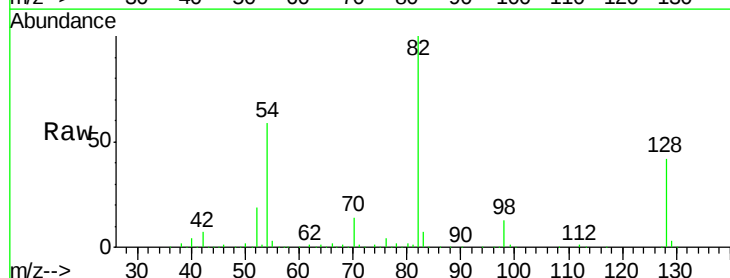
Tgt Ion: 82 Resp: 1112359

Ion Ratio Lower Upper

82 100

128 41.8 34.6 51.8

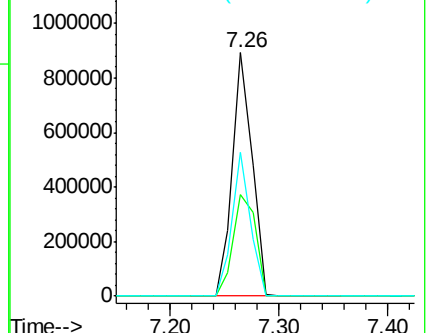
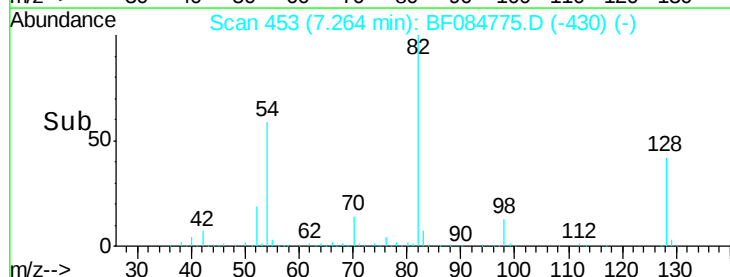
54 59.0 38.4 57.6#

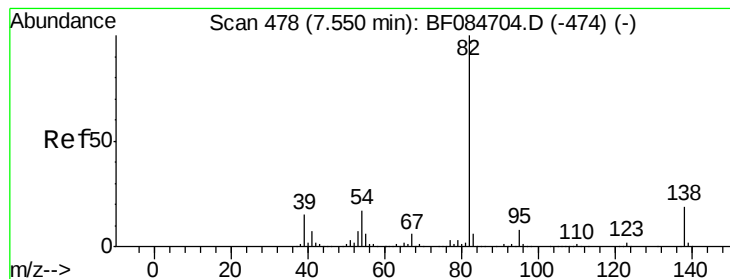


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 34.79 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.30 min

Lab File: BF084775.D

Acq: 3 Feb 2016 6:12

Instrument :

BNA_F

ClientSampleId :

HSR-WC-20-012916

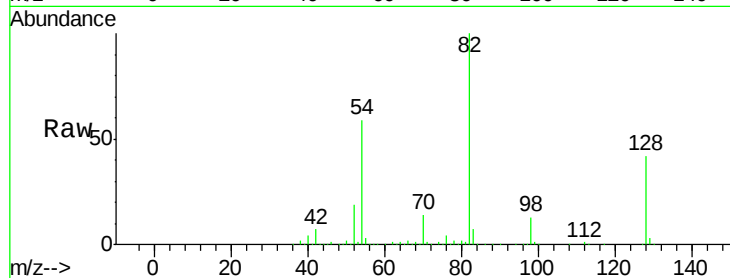
Tgt Ion: 82 Resp: 943331

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

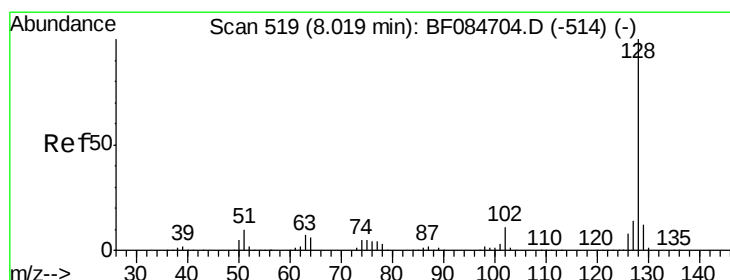
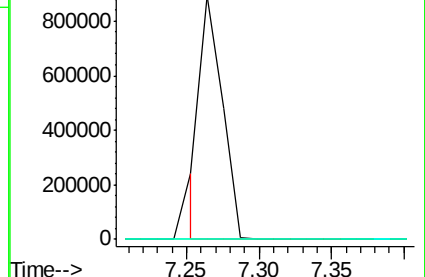
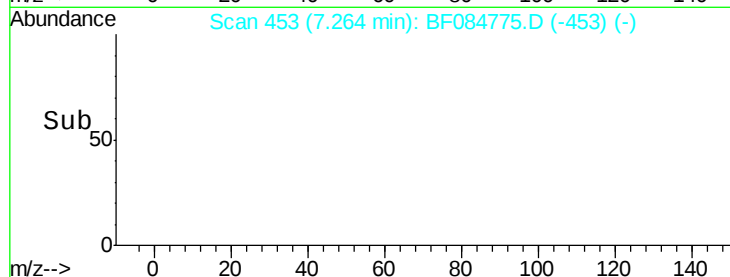
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF084775.D (-453) (-)

Ion 95.00 (94.70 to 95.70): BF084775.D (-453) (-)

Ion 138.00 (137.70 to 138.70): BF084775.D (-453) (-)



#31

Naphthalene

Concen: 28.95 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF084775.D

Acq: 3 Feb 2016 6:12

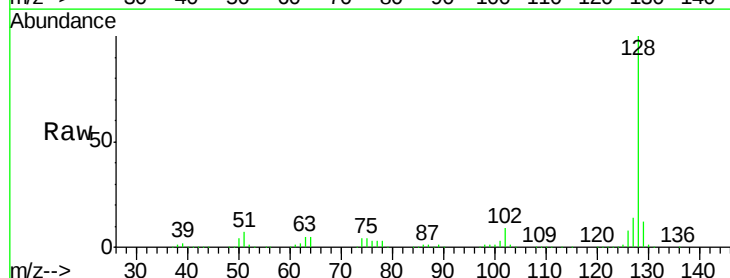
Tgt Ion: 128 Resp: 1140533

Ion Ratio Lower Upper

128 100

129 11.5 9.1 13.7

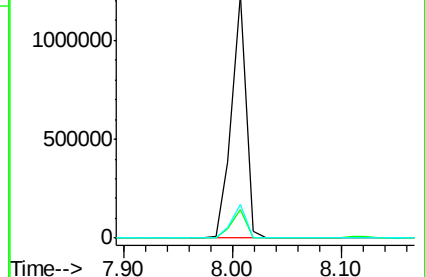
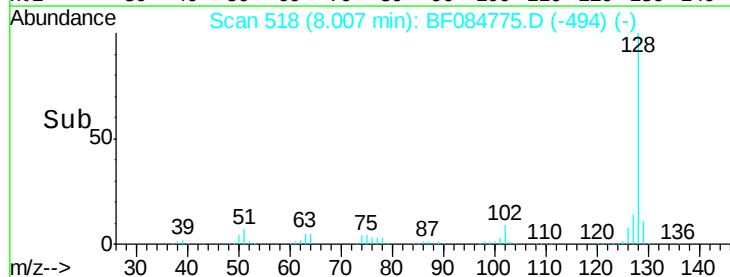
127 13.6 11.1 16.7

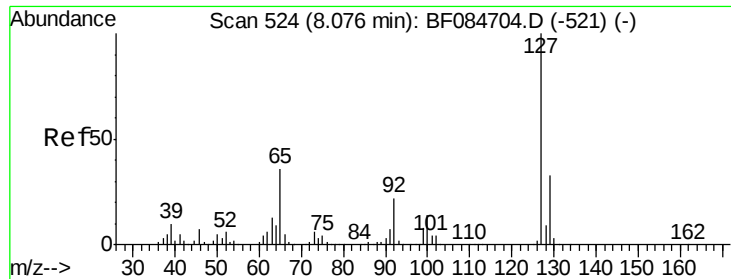


Abundance Ion 128.00 (127.70 to 128.70): BF084775.D (-494) (-)

Ion 129.00 (128.70 to 129.70): BF084775.D (-494) (-)

Ion 127.00 (126.70 to 127.70): BF084775.D (-494) (-)

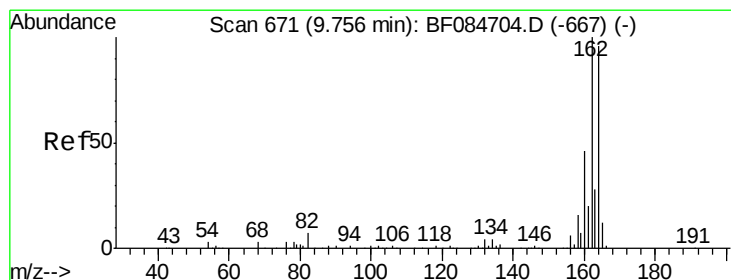
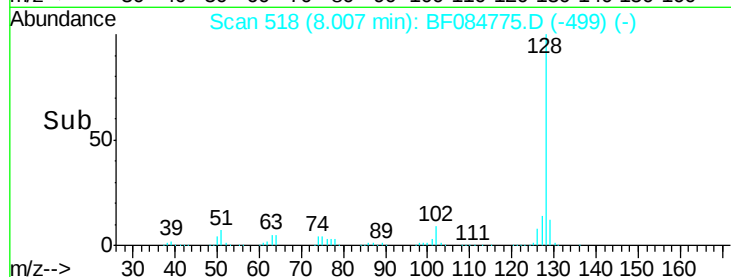
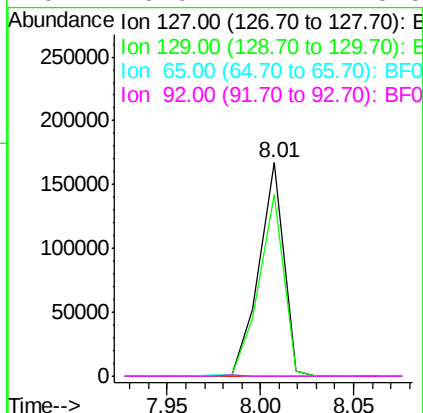
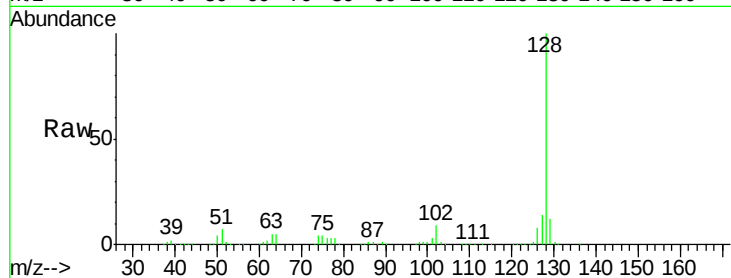




#33
4-Chloroaniline
Concen: 9.45 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.08 min
Lab File: BF084775.D
Acq: 3 Feb 2016 6:12

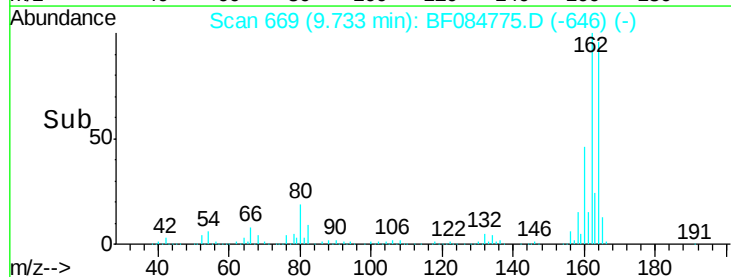
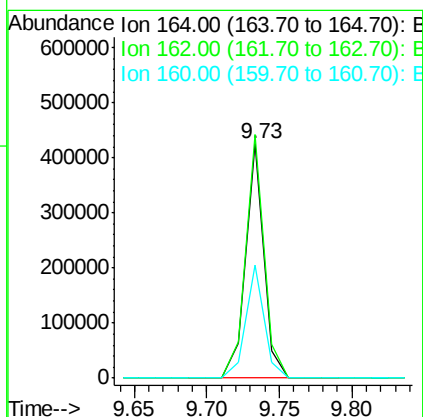
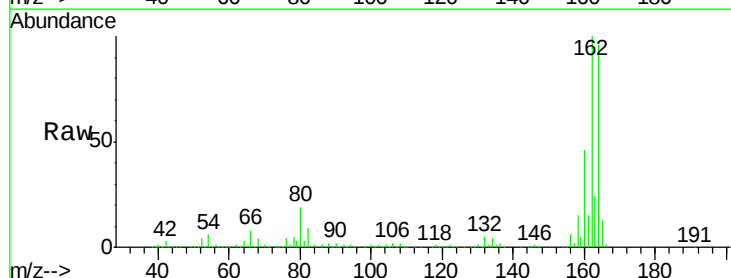
Instrument :
BNA_F
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HSR-WC-20-012916

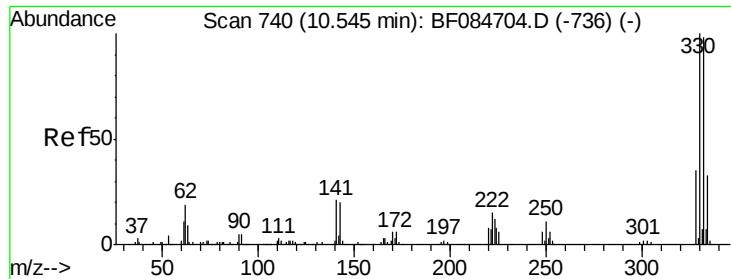
Tgt Ion:	127	Resp:	154006
Ion	Ratio	Lower	Upper
127	100		
129	85.0	26.5	39.7#
65	0.0	27.2	40.8#
92	0.0	17.7	26.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.03 min
Lab File: BF084775.D
Acq: 3 Feb 2016 6:12

Tgt Ion:	164	Resp:	370885
Ion	Ratio	Lower	Upper
164	100		
162	103.9	85.1	127.7
160	48.1	37.5	56.3

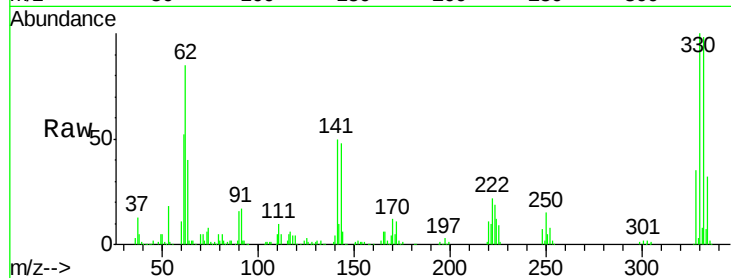




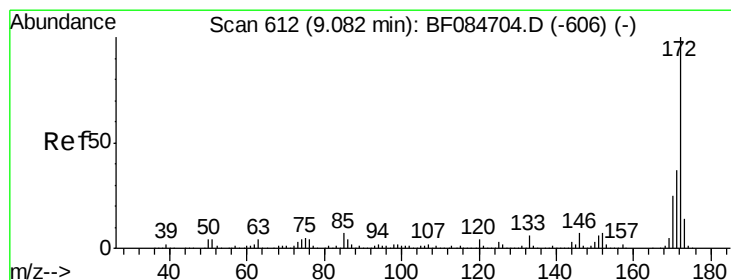
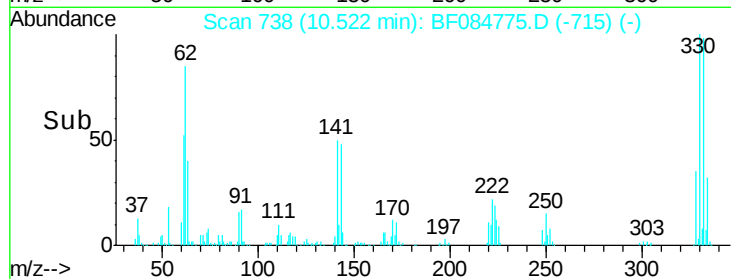
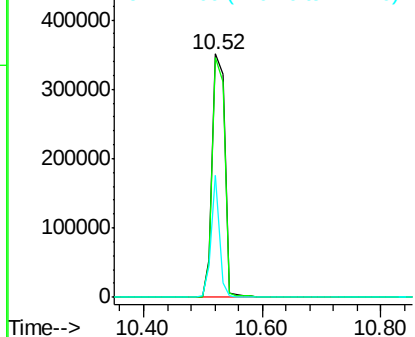
#41
 2,4,6-Tribromophenol
 Concen: 132.81 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.03 min
 Lab File: BF084775.D
 Acq: 3 Feb 2016 6:12

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-20-012916

Tgt Ion:330 Resp: 513805
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 114.8
 141 33.3 27.8 41.6

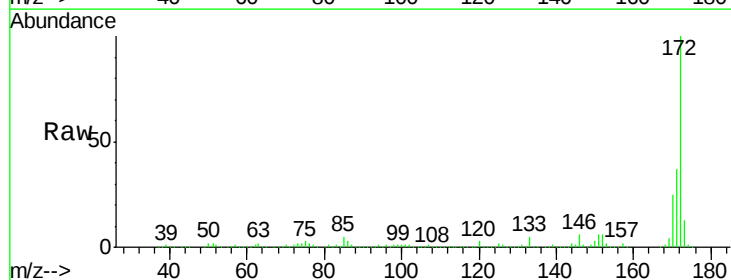


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

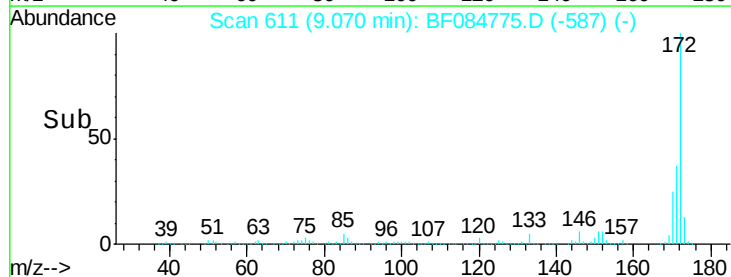
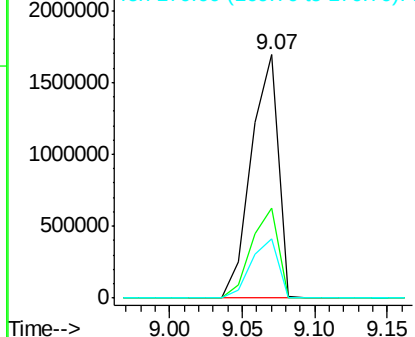


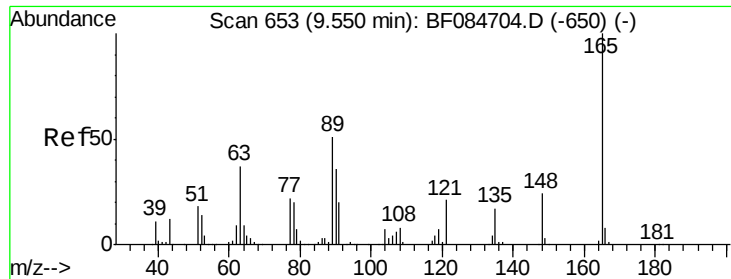
#44
 2-Fluorobiphenyl
 Concen: 110.42 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084775.D
 Acq: 3 Feb 2016 6:12

Tgt Ion:172 Resp: 2188842
 Ion Ratio Lower Upper
 172 100
 171 37.0 28.9 43.3
 170 24.6 18.6 27.8



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

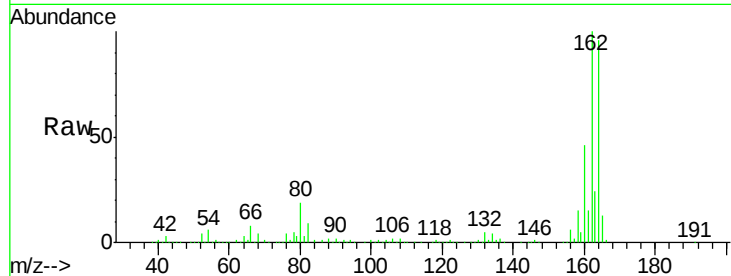




#50
 2,6-Dinitrotoluene
 Concen: 7.85 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.17 min
 Lab File: BF084775.D
 Acq: 3 Feb 2016 6:12

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-20-012916

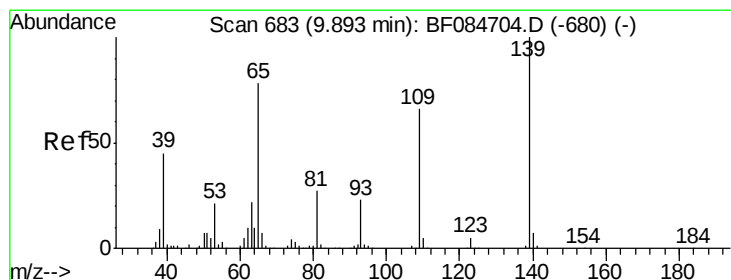
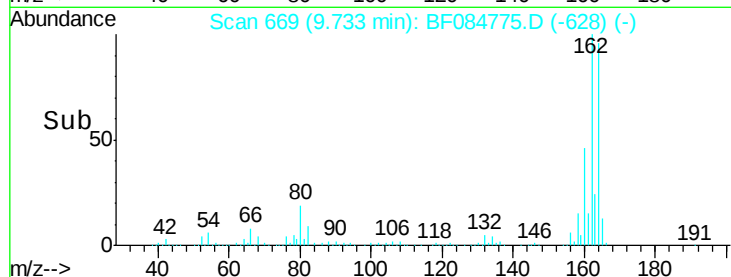
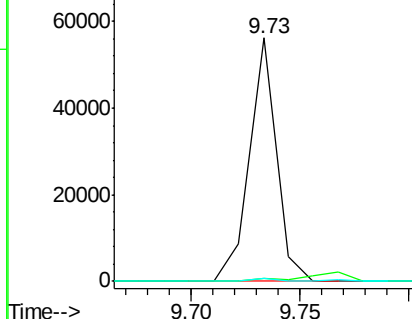
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.8	43.2#
89	1.2	35.1	52.7#



Abundance Ion 165.00 (164.70 to 165.70): E

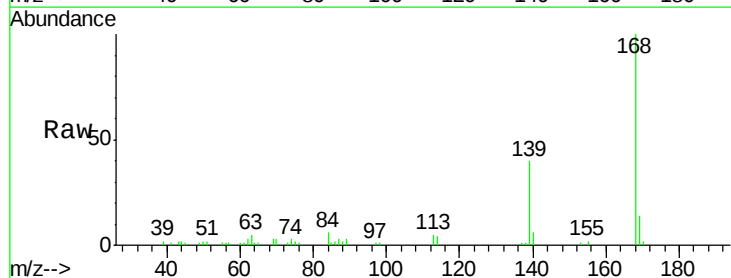
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#55
 4-Nitrophenol
 Concen: 2.26 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.05 min
 Lab File: BF084775.D
 Acq: 3 Feb 2016 6:12

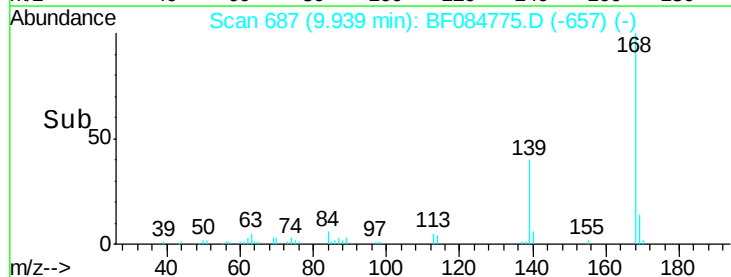
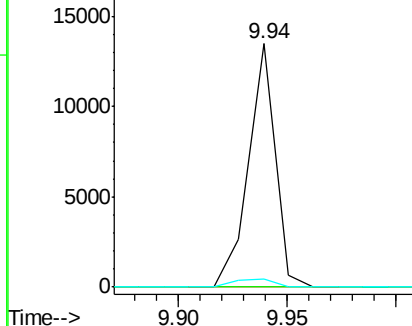
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	58.5	98.5#
65	3.3	57.6	97.6#

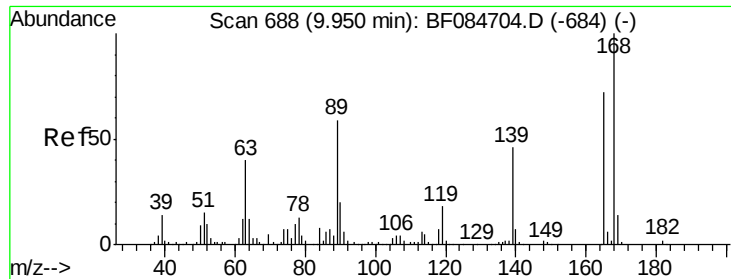


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

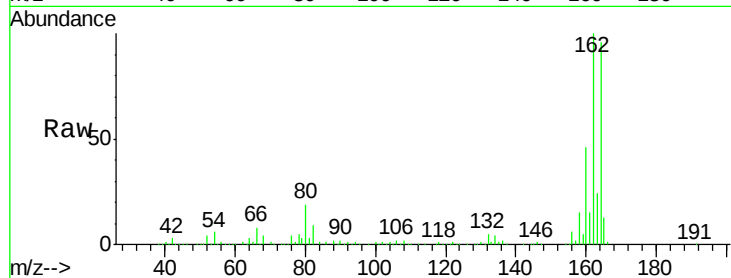




#56
 2,4-Dinitrotoluene
 Concen: 6.15 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.23 min
 Lab File: BF084775.D
 Acq: 3 Feb 2016 6:12

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-20-012916

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

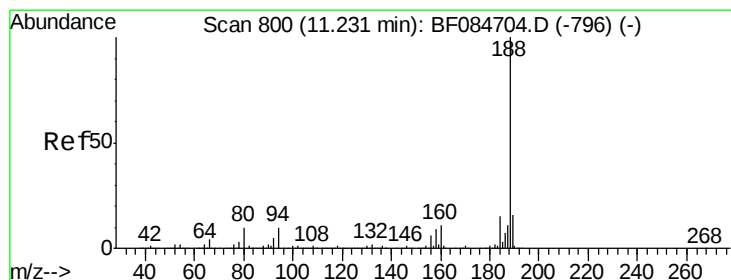
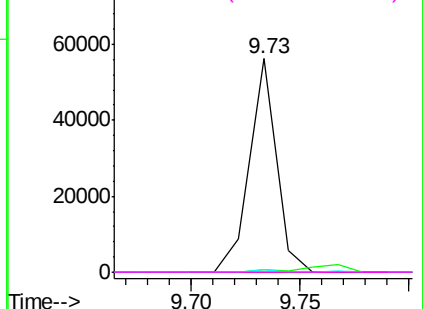
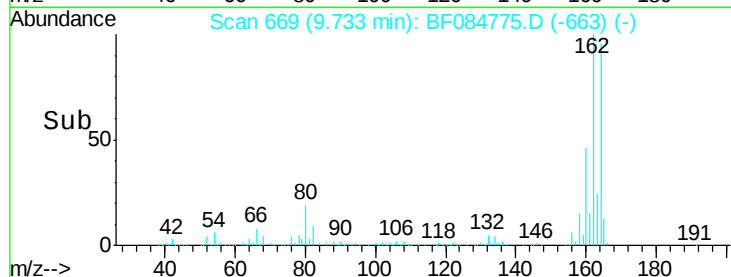


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

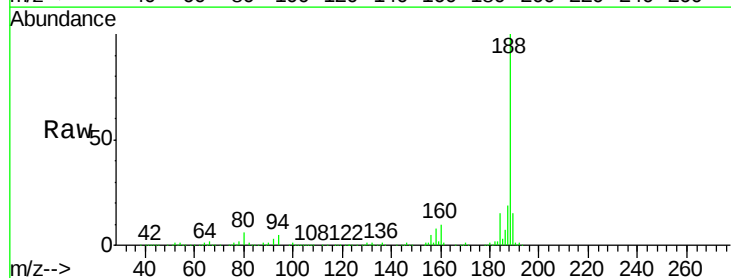
Ion 89.00 (88.70 to 89.70): BF0

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: BF084775.D
 Acq: 3 Feb 2016 6:12

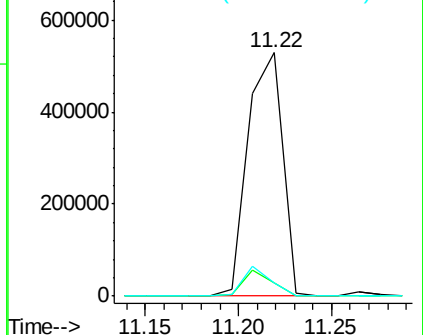
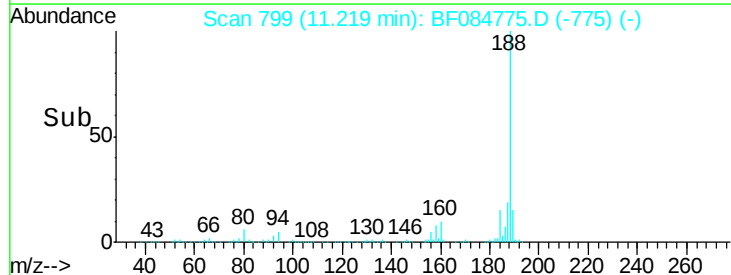
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.4	9.0	13.4#
80	5.7	9.6	14.4#

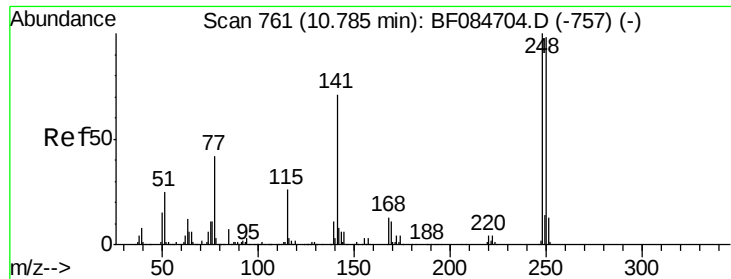


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.80 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.27 min

Lab File: BF084775.D

Acq: 3 Feb 2016 6:12

Instrument :

BNA_F

ClientSampleId :

HSR-WC-20-012916

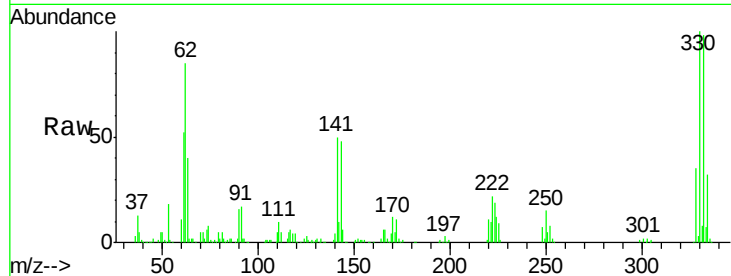
Tgt Ion:248 Resp: 28592

Ion Ratio Lower Upper

248 100

250 209.0 78.4 117.6#

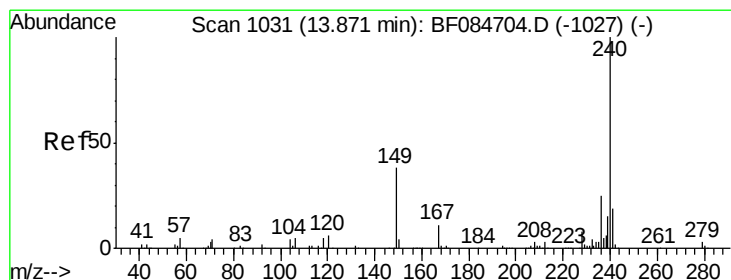
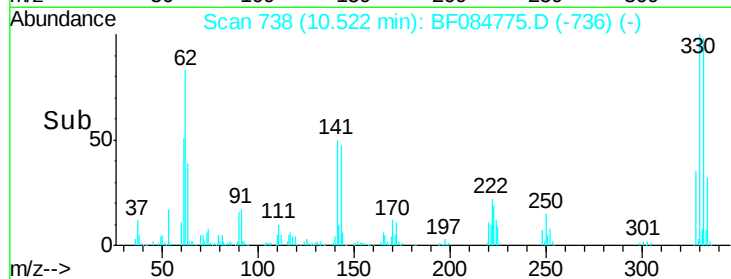
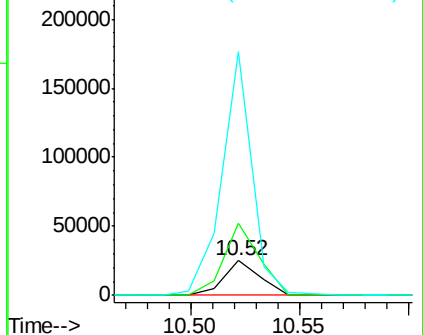
141 703.3 44.0 66.0#



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: 13.85 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF084775.D

Acq: 3 Feb 2016 6:12

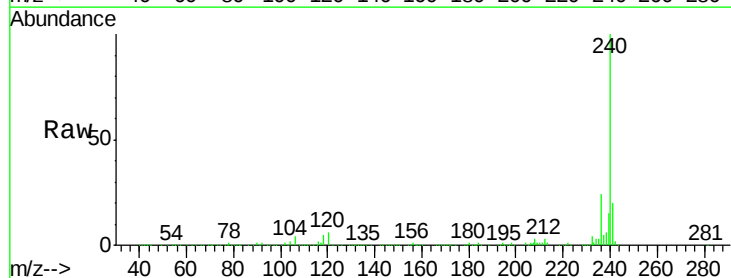
Tgt Ion:240 Resp: 510956

Ion Ratio Lower Upper

240 100

120 6.0 9.5 14.3#

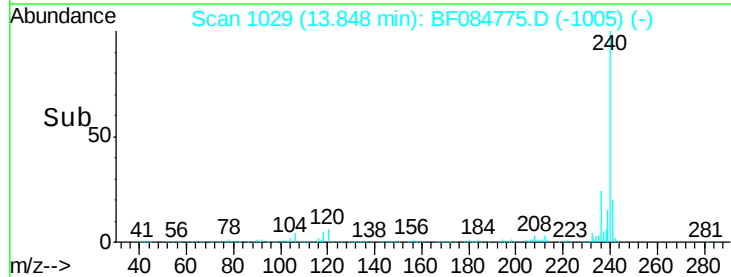
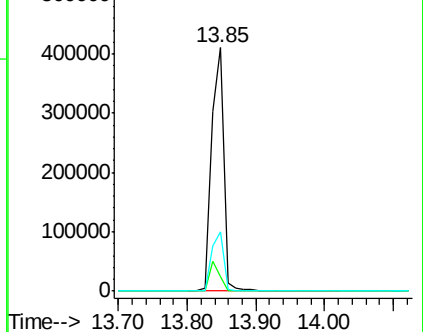
236 24.3 20.6 31.0

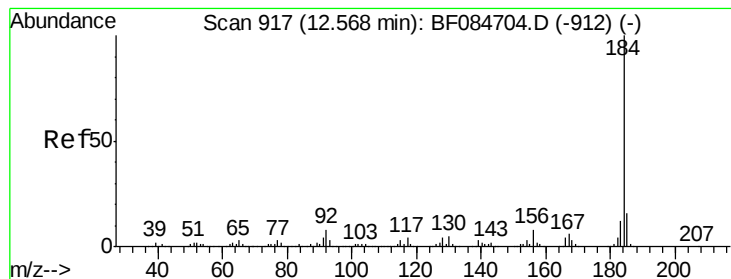


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.95 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.05 min

Lab File: BF084775.D

Acq: 3 Feb 2016 6:12

Instrument :

BNA_F

ClientSampleId :

HSR-WC-20-012916

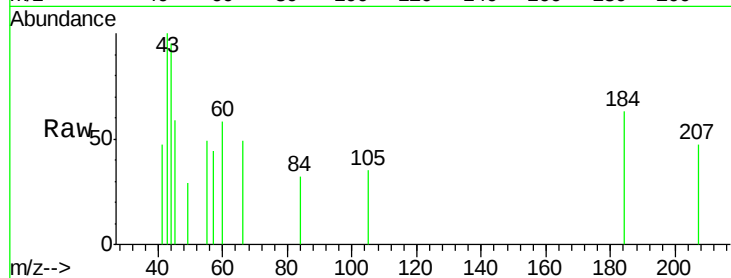
Tgt Ion:184 Resp: 1701

Ion Ratio Lower Upper

184 100

185 0.0 12.2 18.2#

183 0.0 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

12.53

600

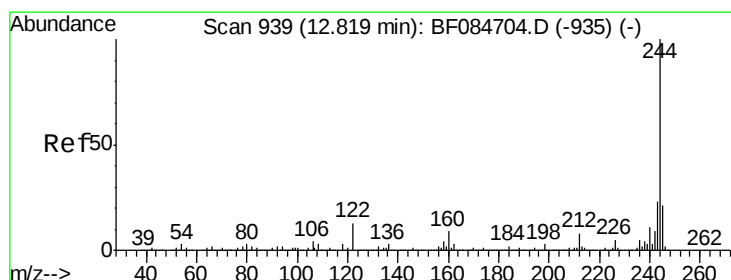
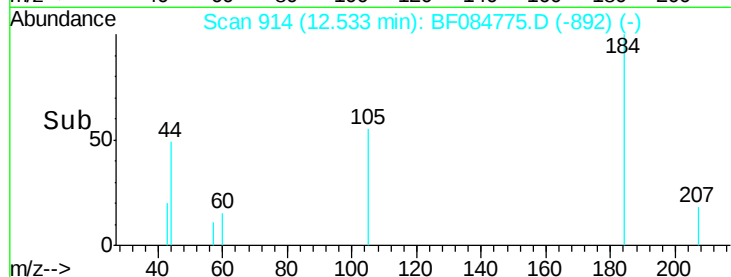
400

200

0

12.50 12.55 12.60

Time-->



#78

Terphenyl-d14

Concen: 90.20 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084775.D

Acq: 3 Feb 2016 6:12

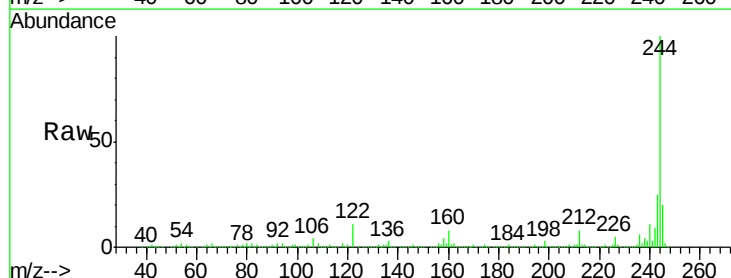
Tgt Ion:244 Resp: 2033941

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

122 10.7 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

12.81

2500000

2000000

1500000

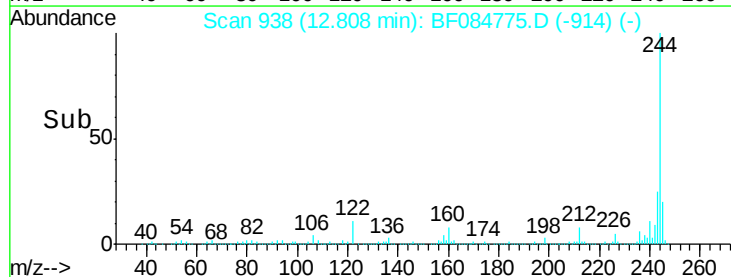
1000000

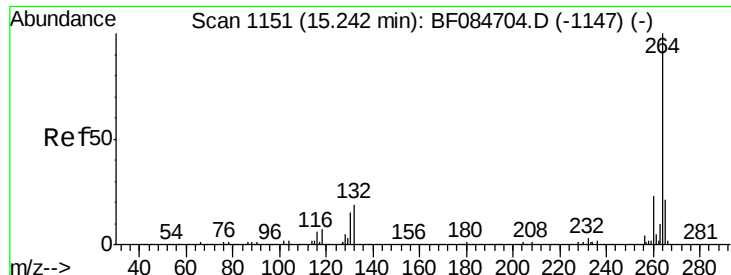
500000

0

12.70 12.80 12.90

Time-->

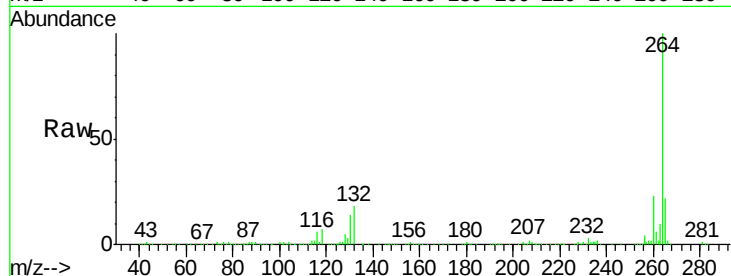




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.03 min
Lab File: BF084775.D
Acq: 3 Feb 2016 6:12

Instrument :
BNA_F
ClientSampleId :
HSR-WC-20-012916

Tgt Ion: 264 Resp: 385506
Ion Ratio Lower Upper
264 100
260 22.7 19.4 29.2
265 21.6 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

