

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
 Data File : BF084394.D
 Acq On : 11 Jan 2016 22:26
 Operator : SJ/UM
 Sample : H1074-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-10-010516

Quant Time: Jan 12 02:20:23 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

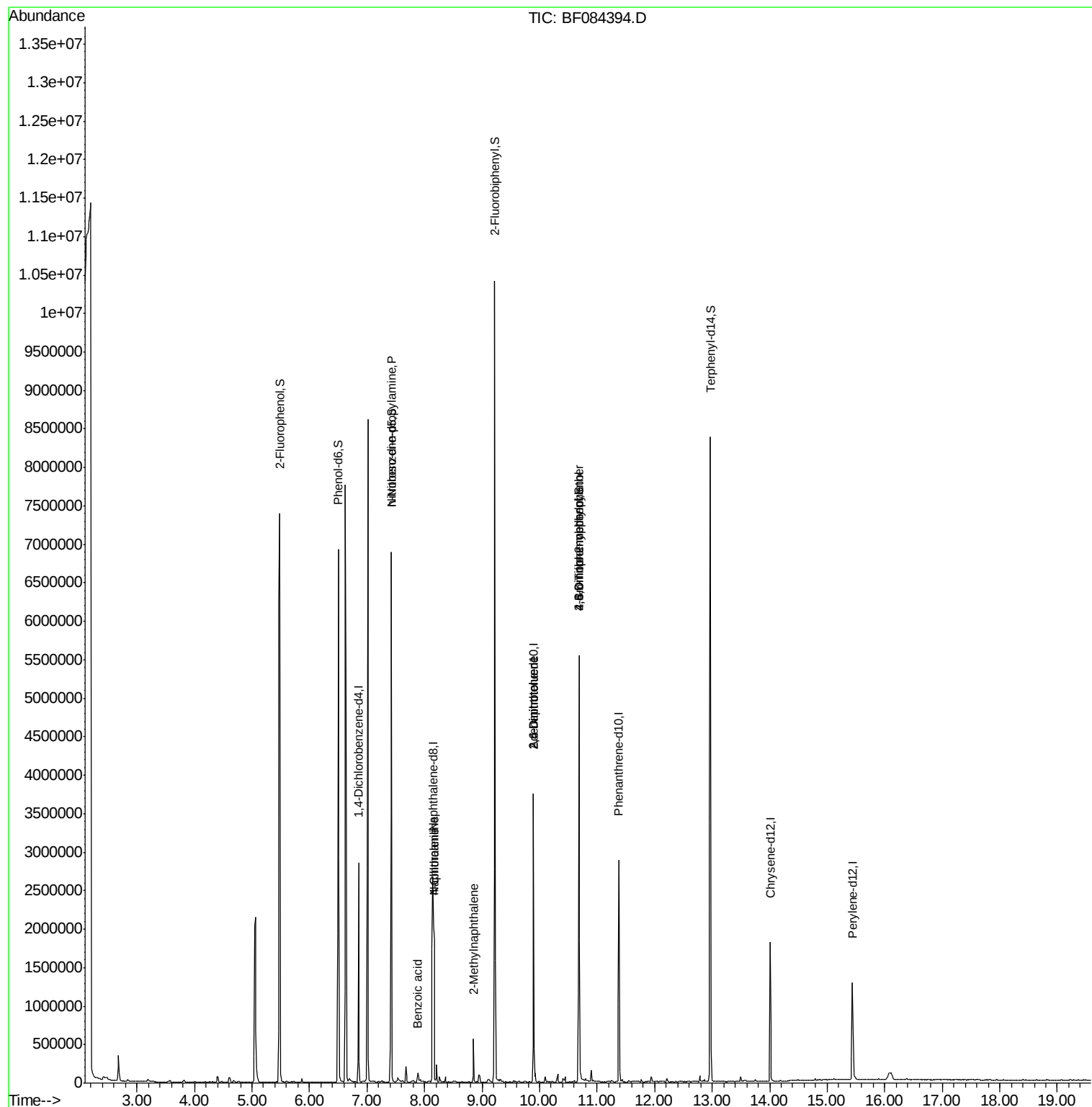
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	374556	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1495098	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	661921	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	1068614	20.00	ng	-0.05
75) Chrysene-d12	14.01	240	677206	20.00	ng	-0.06
86) Perylene-d12	15.44	264	584295	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	2764956	119.40	ng	-0.01
7) Phenol-d6	6.50	99	2969829	102.11	ng	-0.03
23) Nitrobenzene-d5	7.42	82	2511470	93.49	ng	-0.05
41) 2,4,6-Tribromophenol	10.68	330	767658	114.87	ng	-0.06
44) 2-Fluorobiphenyl	9.22	172	3197078	84.96	ng	-0.04
78) Terphenyl-d14	12.97	244	2605120	85.87	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	361105	18.34	ng	Qvalue # 75
31) Naphthalene	8.17	128	1332240	19.64	ng	98
32) Benzoic acid	7.88	122	18516	7.25	ng	93
33) 4-Chloroaniline	8.17	127	178721	5.75	ng	# 35
37) 2-Methylnaphthalene	8.85	142	144249	2.96	ng	96
50) 2,6-Dinitrotoluene	9.89	165	84170	8.11	ng	# 37
54) Dibenzofuran	10.10	168	26515	Below Cal		96
56) 2,4-Dinitrotoluene	9.89	165	84459	6.43	ng	# 21
57) Fluorene	10.44	166	19354	Below Cal		98
64) 4,6-Dinitro-2-methylphenol	10.68	198	1594	6.60	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	45364	3.94	ng	# 1
73) Di-n-butylphthalate	11.94	149	37647	Below Cal		# 97

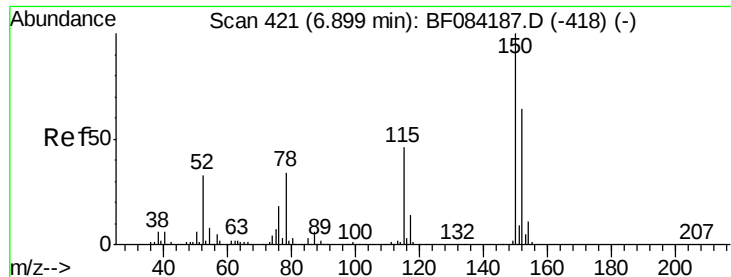
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 12 02:20:23 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

Instrument :

BNA_F

ClientSampleId :

HSR-WC-10-010516

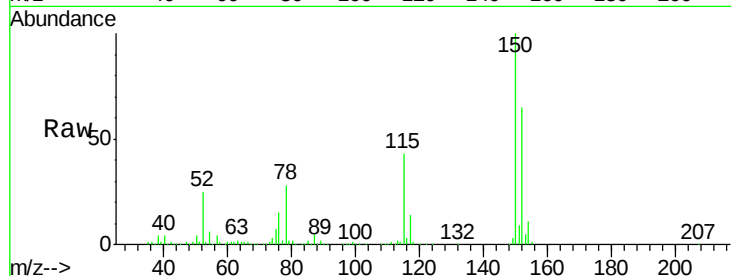
Tgt Ion:152 Resp: 374556

Ion Ratio Lower Upper

152 100

150 153.9 123.0 184.4

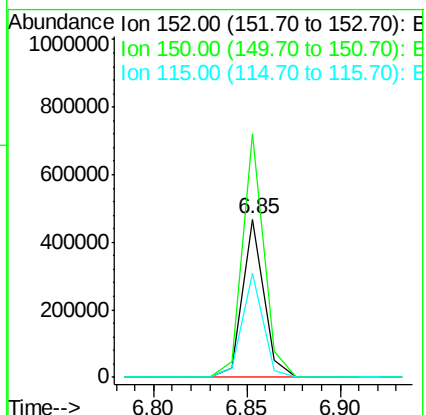
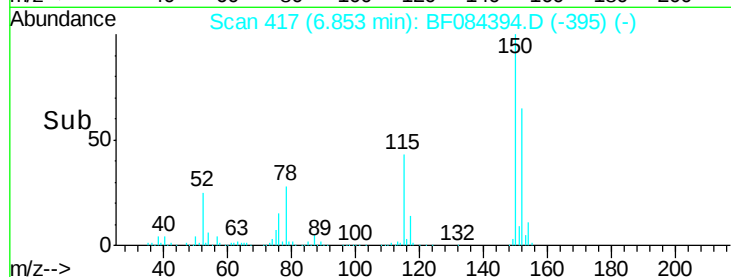
115 66.2 51.4 77.2



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: 119.40 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

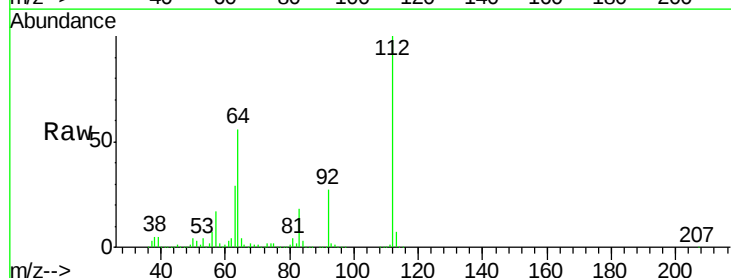
Tgt Ion:112 Resp: 2764956

Ion Ratio Lower Upper

112 100

64 56.1 36.6 55.0#

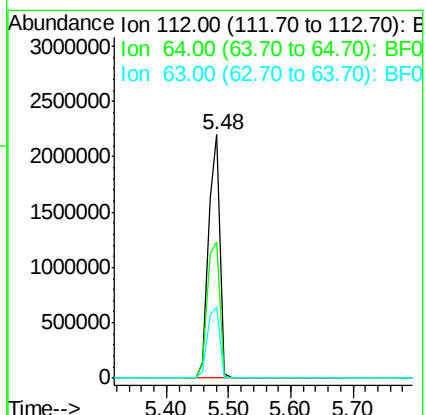
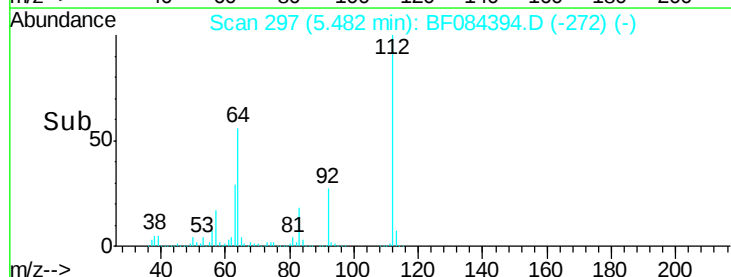
63 28.8 19.4 29.0

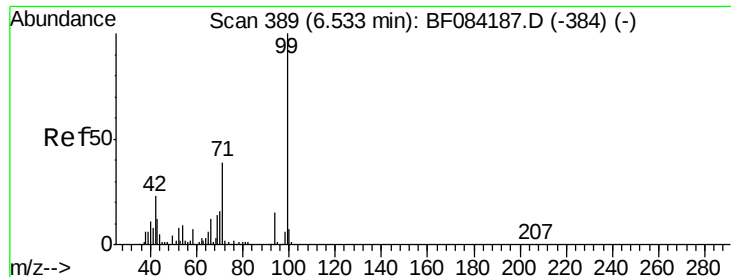


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.11 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.03 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

Instrument :

BNA_F

ClientSampleId :

HSR-WC-10-010516

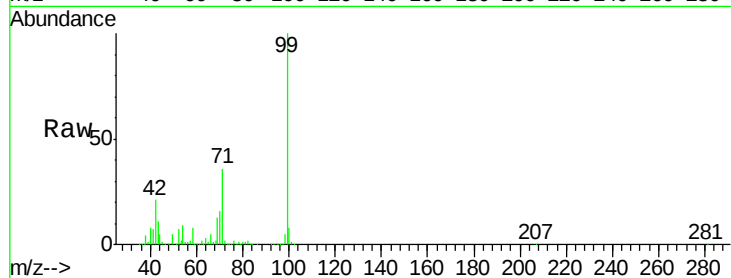
Tgt Ion: 99 Resp: 2969829

Ion Ratio Lower Upper

99 100

42 20.6 12.8 19.2#

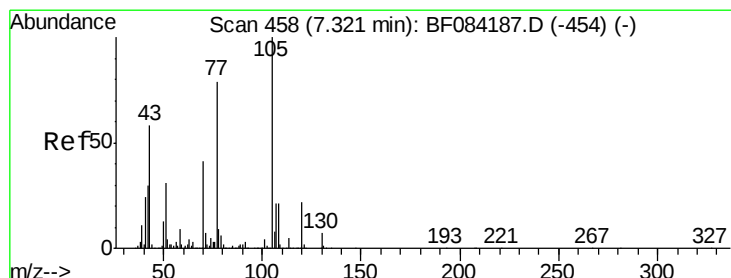
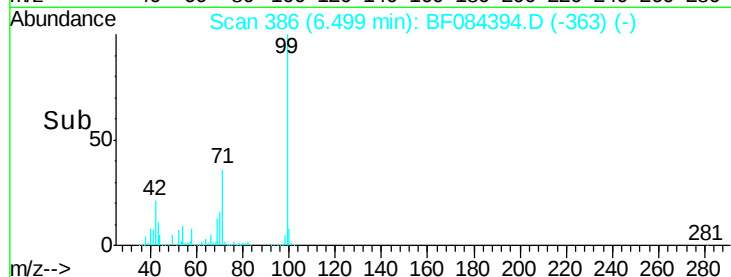
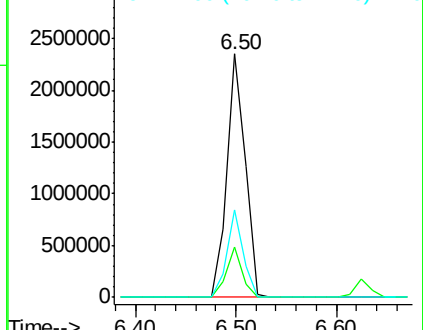
71 36.0 30.9 46.3



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: 18.34 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.10 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

Tgt Ion: 70 Resp: 361105

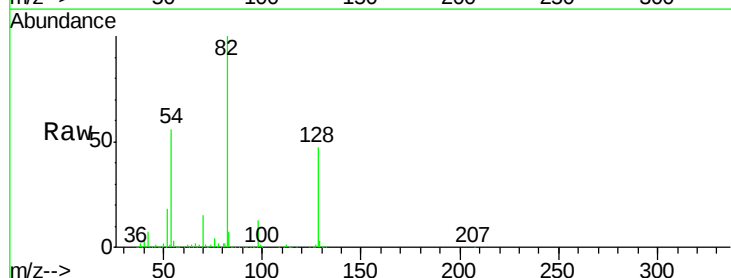
Ion Ratio Lower Upper

70 100

42 45.5 33.3 49.9

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

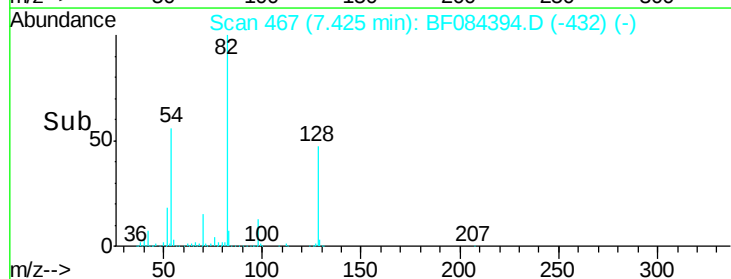
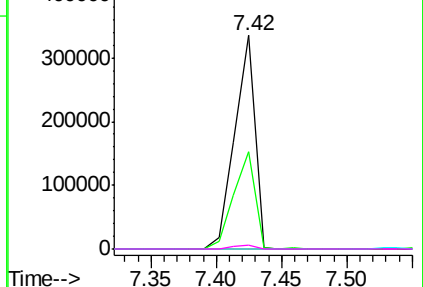


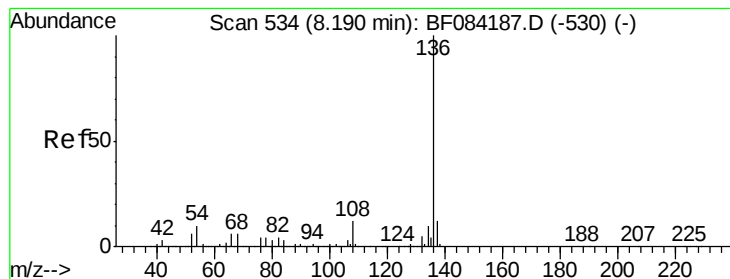
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.14 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

Instrument :

BNA_F

ClientSampleId :

HSR-WC-10-010516

Tgt Ion:136 Resp: 1495098

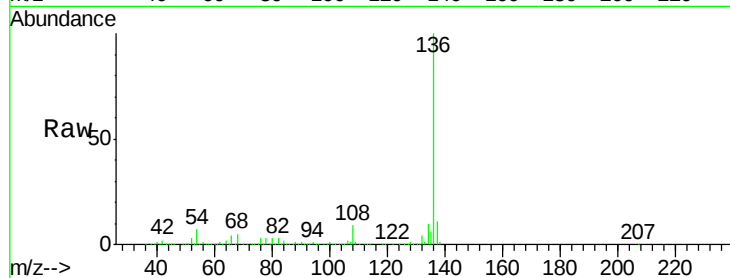
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 7.1 5.8 8.8

68 5.1 4.2 6.2

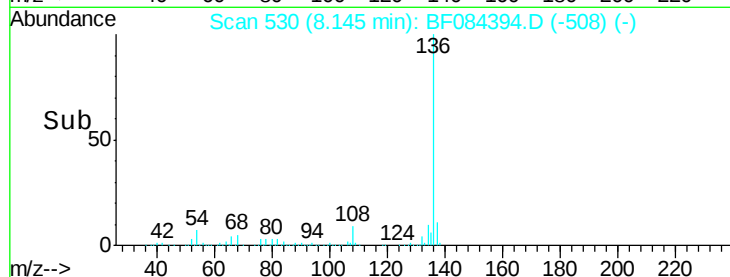


Abundance Ion 136.00 (135.70 to 136.70): E

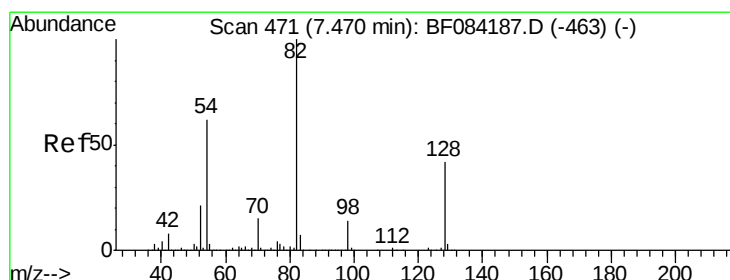
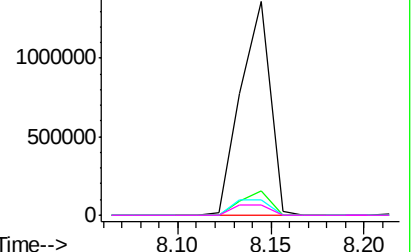
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 93.49 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.05 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

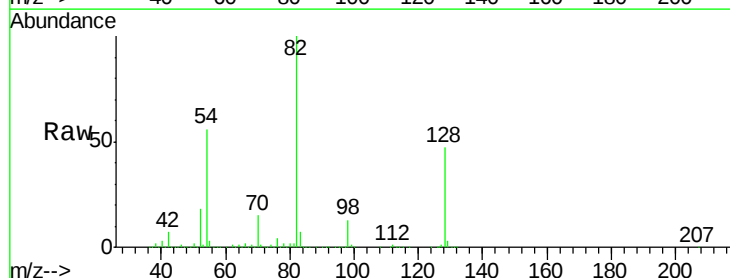
Tgt Ion: 82 Resp: 2511470

Ion Ratio Lower Upper

82 100

128 46.7 34.6 51.8

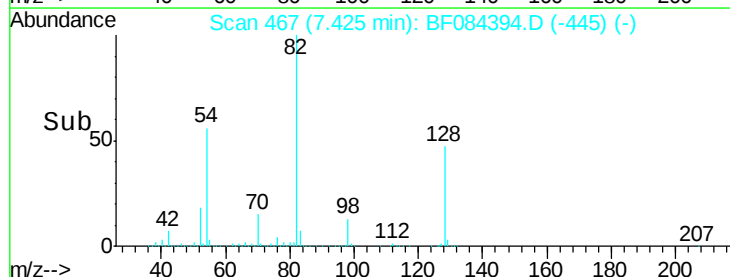
54 55.8 38.4 57.6



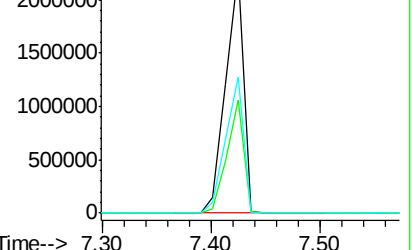
Abundance Ion 82.00 (81.70 to 82.70): BF0

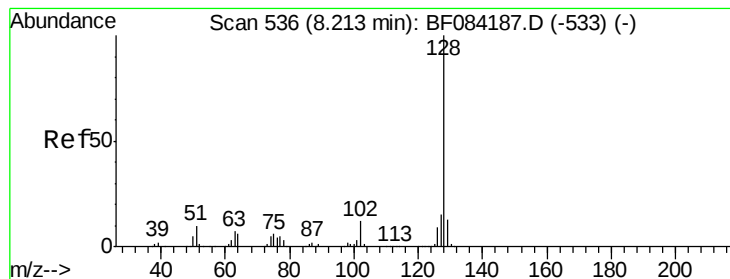
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#31

Naphthalene

Concen: 19.64 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.05 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

Instrument :

BNA_F

ClientSampleId :

HSR-WC-10-010516

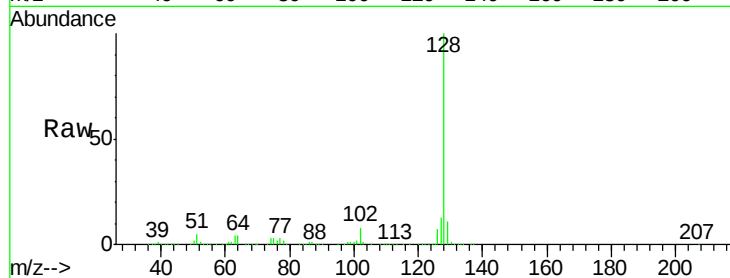
Tgt Ion:128 Resp: 1332240

Ion Ratio Lower Upper

128 100

129 10.6 9.1 13.7

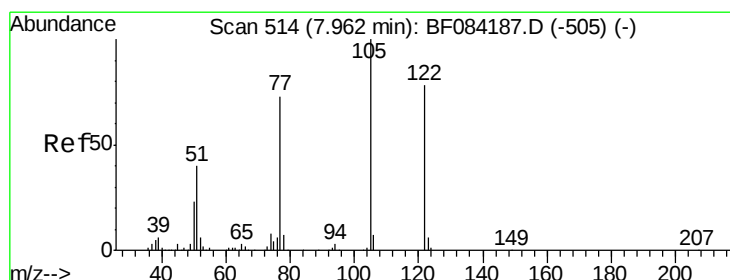
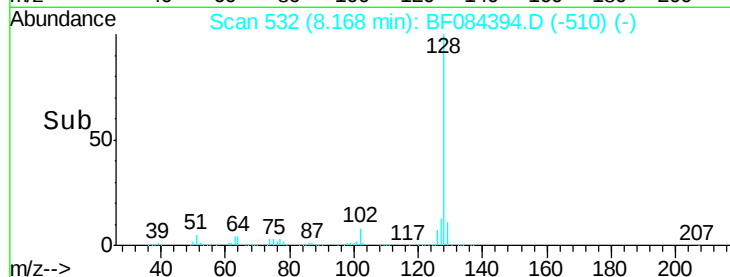
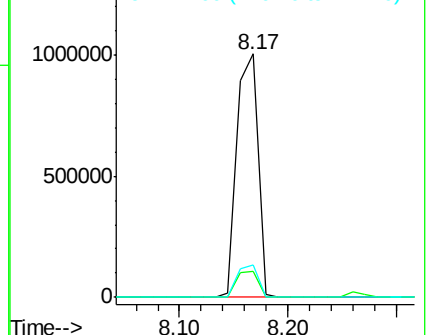
127 13.2 11.1 16.7



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



#32

Benzoic acid

Concen: 7.25 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.08 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

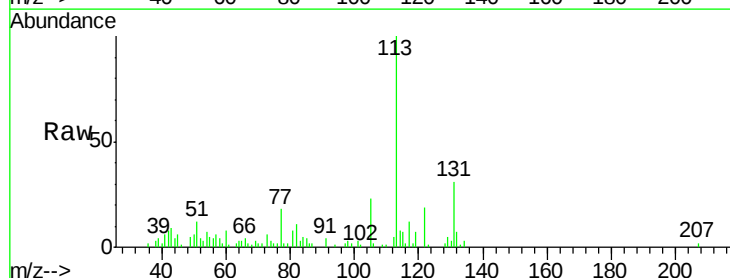
Tgt Ion:122 Resp: 18516

Ion Ratio Lower Upper

122 100

105 122.7 100.3 140.3

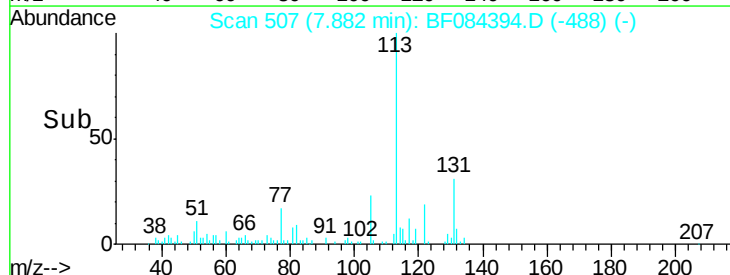
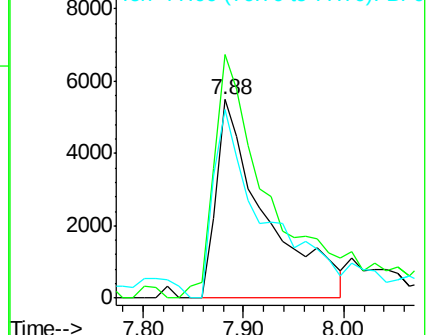
77 95.1 63.5 103.5

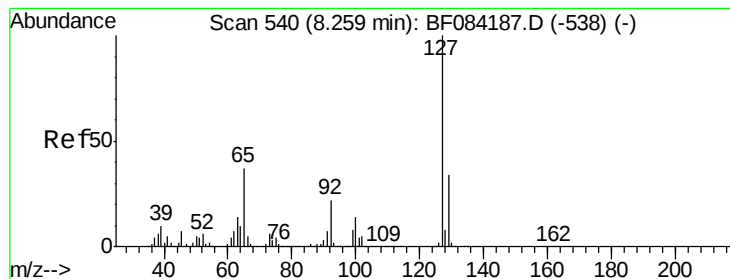


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 5.75 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.09 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

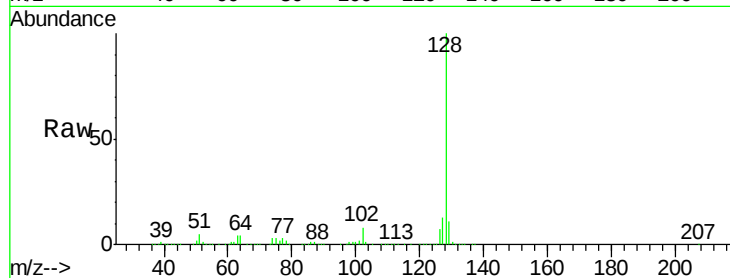
Instrument :

BNA_F

ClientSampleId :

HSR-WC-10-010516

Tgt Ion:	127	Resp:	178721
Ion	Ratio	Lower	Upper
127	100		
129	80.2	26.5	39.7#
65	0.0	27.2	40.8#
92	0.0	17.7	26.5#



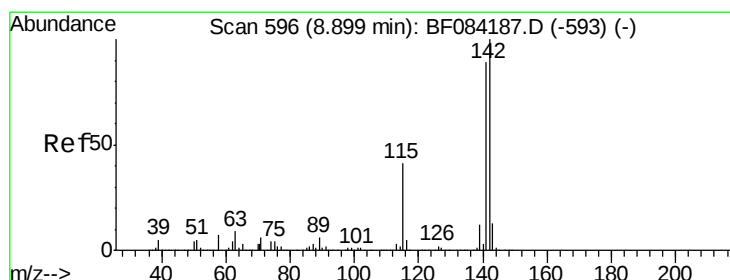
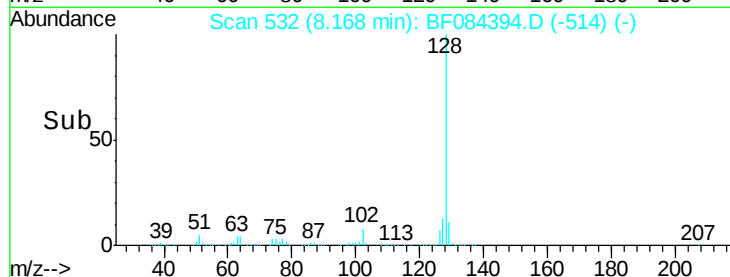
Abundance Ion 127.00 (126.70 to 127.70): E

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

Time-->



#37

2-Methylnaphthalene

Concen: 2.96 ng

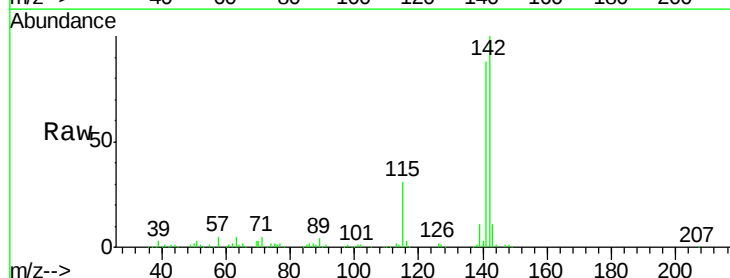
RT: 8.85 min Scan# 592

Delta R.T. -0.05 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

Tgt Ion:	142	Resp:	144249
Ion	Ratio	Lower	Upper
142	100		
141	87.7	72.4	108.6
115	30.8	27.9	41.9

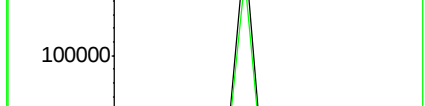
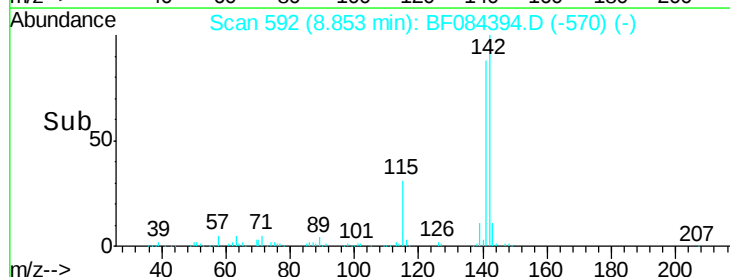


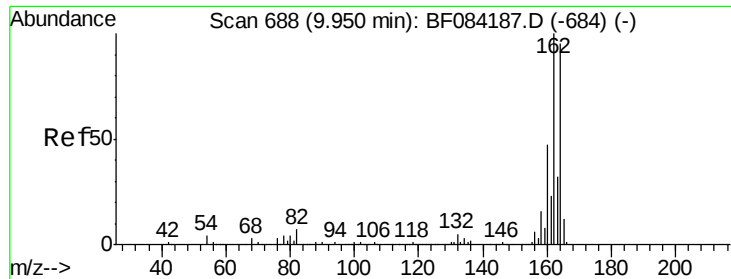
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.06 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

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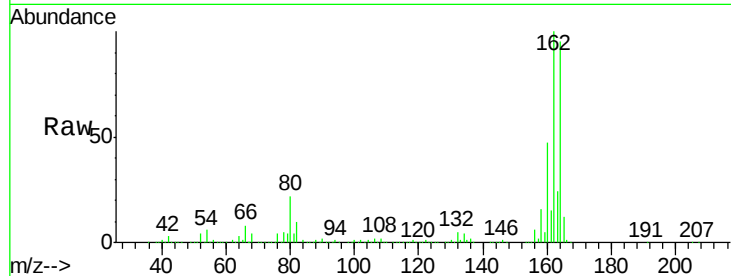
Tgt Ion:164 Resp: 661921

Ion Ratio Lower Upper

164 100

162 105.0 85.1 127.7

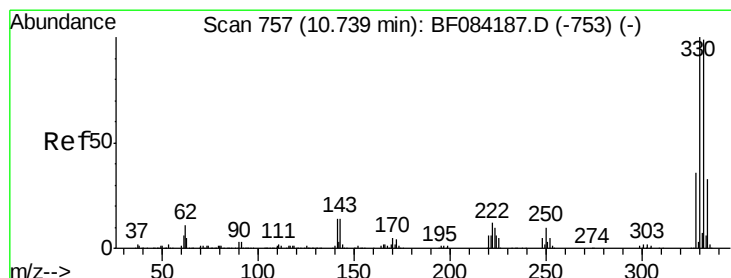
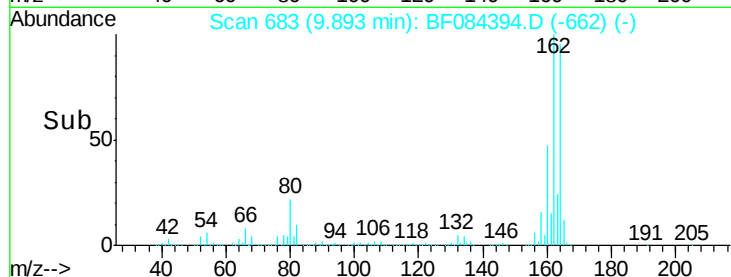
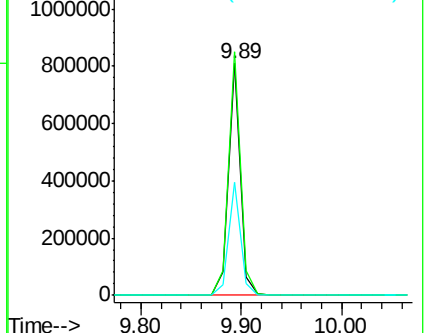
160 48.9 37.5 56.3



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: 114.87 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.06 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

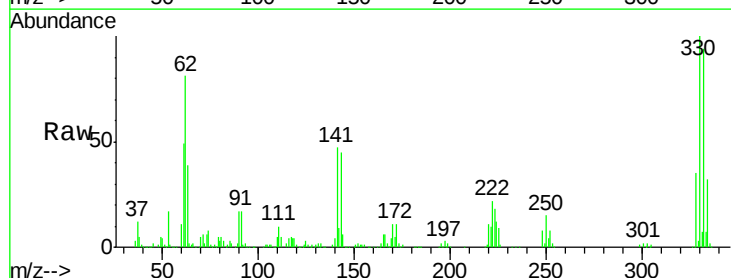
Tgt Ion:330 Resp: 767658

Ion Ratio Lower Upper

330 100

332 96.7 76.6 114.8

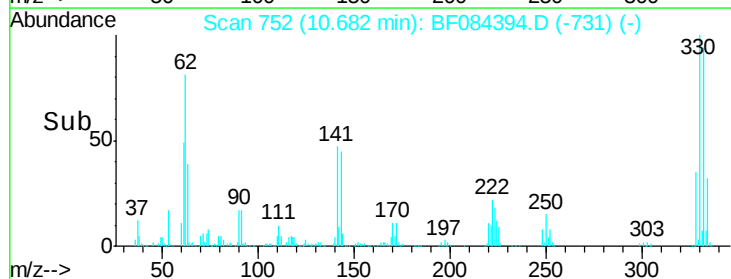
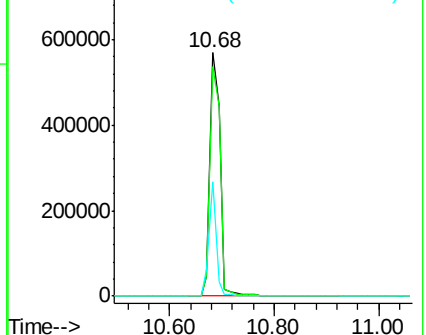
141 34.0 27.8 41.6

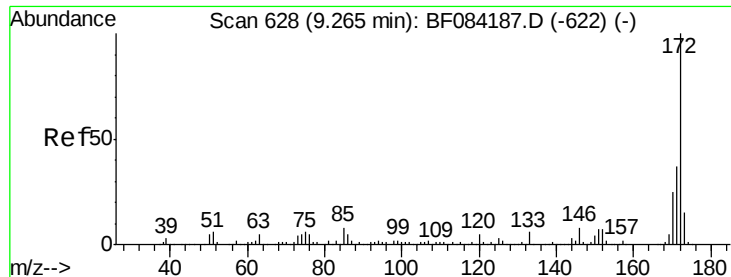


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

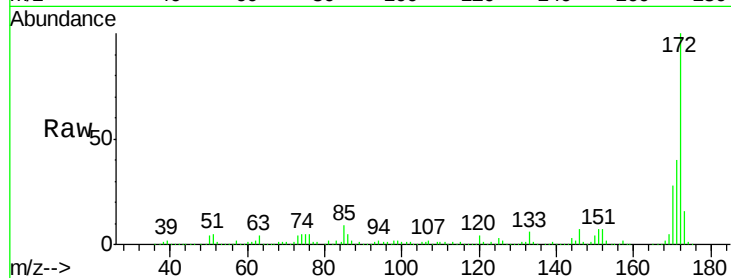




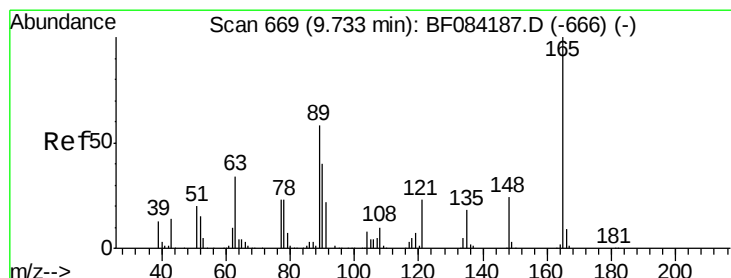
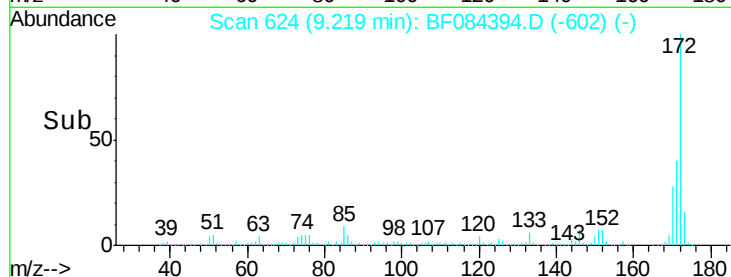
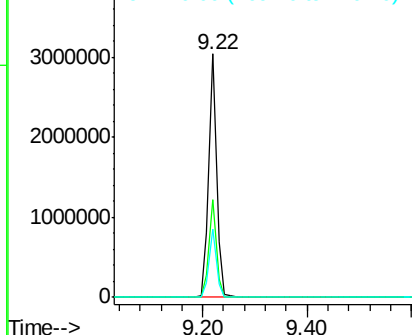
#44
 2-Fluorobiphenyl
 Concen: 84.96 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.04 min
 Lab File: BF084394.D
 Acq: 11 Jan 2016 22:26

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-10-010516

Tgt Ion:172 Resp: 3197078
 Ion Ratio Lower Upper
 172 100
 171 39.9 28.9 43.3
 170 27.8 18.6 27.8

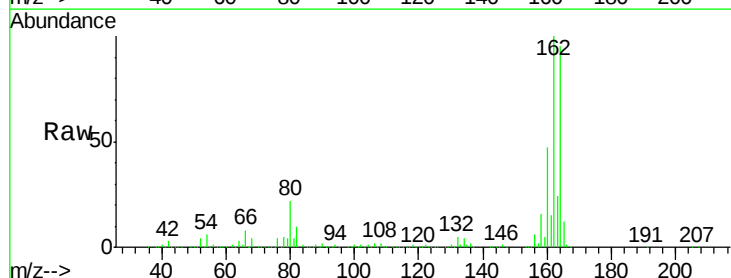


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

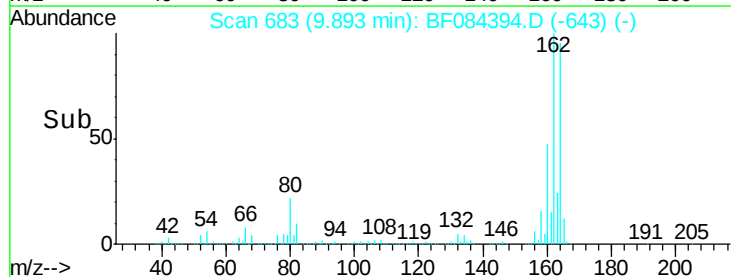
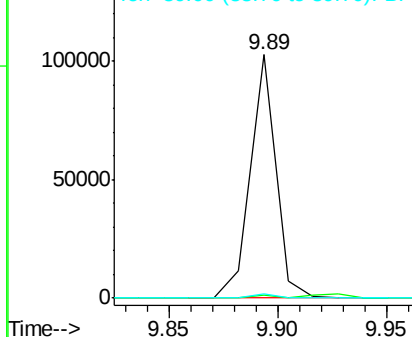


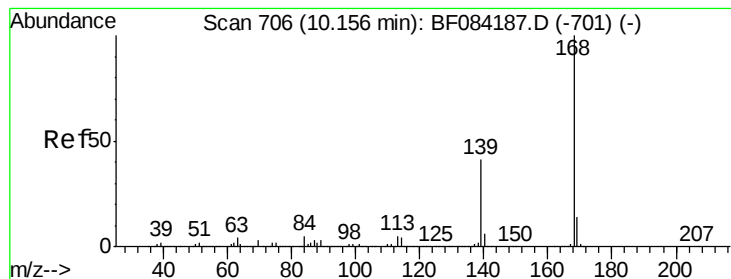
#50
 2,6-Dinitrotoluene
 Concen: 8.11 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.16 min
 Lab File: BF084394.D
 Acq: 11 Jan 2016 22:26

Tgt Ion:165 Resp: 84170
 Ion Ratio Lower Upper
 165 100
 63 1.1 28.8 43.2#
 89 1.8 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





#54

Dibenzofuran

Concen: Below Cal

RT: 10.10 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

Instrument :

BNA_F

ClientSampleId :

HSR-WC-10-010516

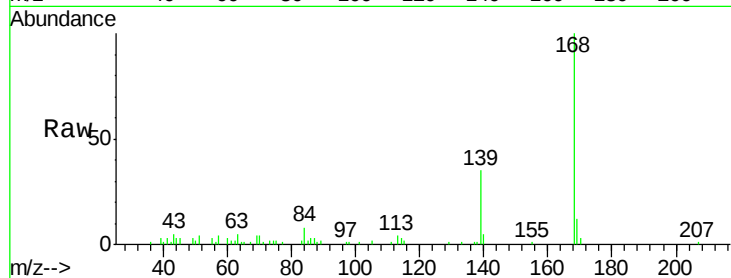
Tgt Ion:168 Resp: 26515

Ion Ratio Lower Upper

168 100

139 35.4 30.5 45.7

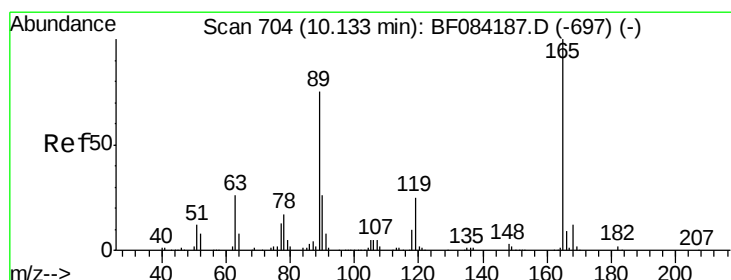
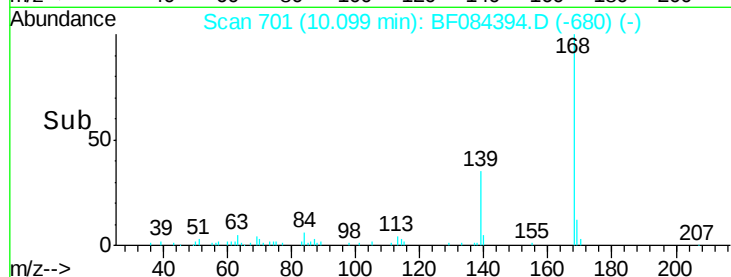
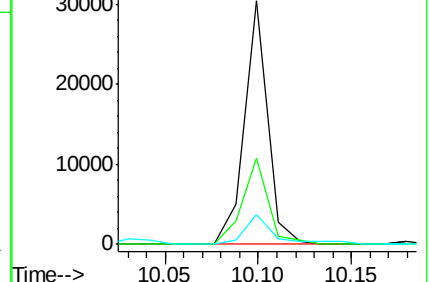
169 12.3 10.4 15.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 6.43 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.24 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

Tgt Ion:165 Resp: 84459

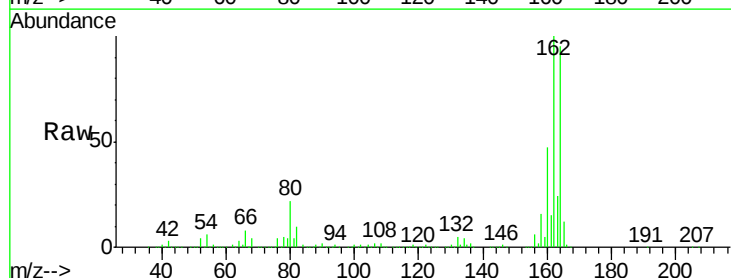
Ion Ratio Lower Upper

165 100

63 1.1 36.7 55.1#

89 1.8 61.9 92.9#

182 0.0 2.0 3.0#

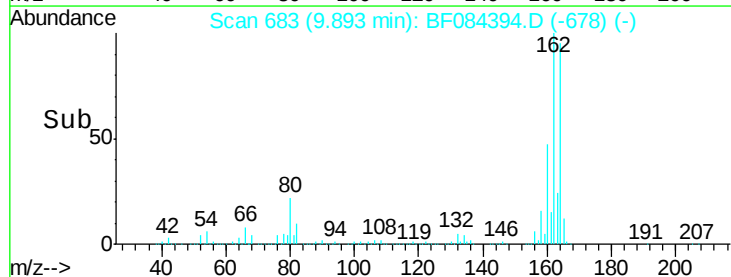
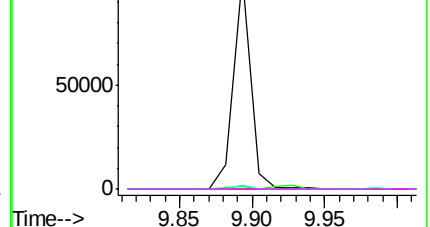


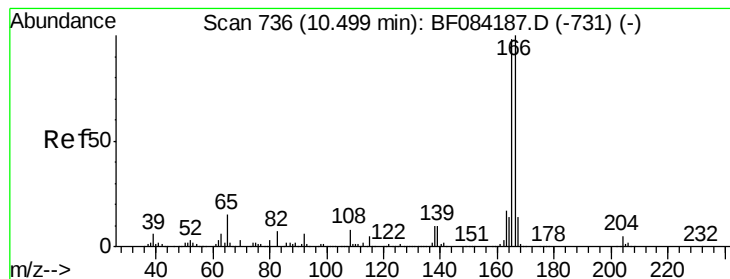
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.44 min Scan# 731

Delta R.T. -0.06 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

Instrument :

BNA_F

ClientSampleId :

HSR-WC-10-010516

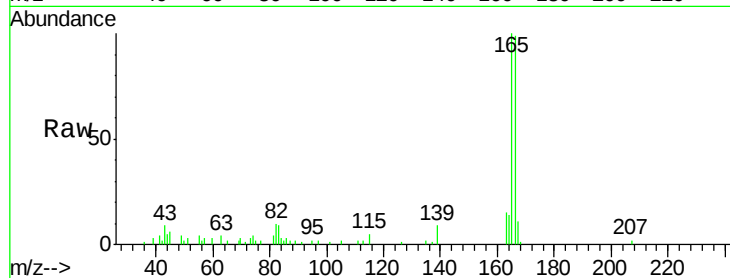
Tgt Ion:166 Resp: 19354

Ion Ratio Lower Upper

166 100

165 100.9 79.1 118.7

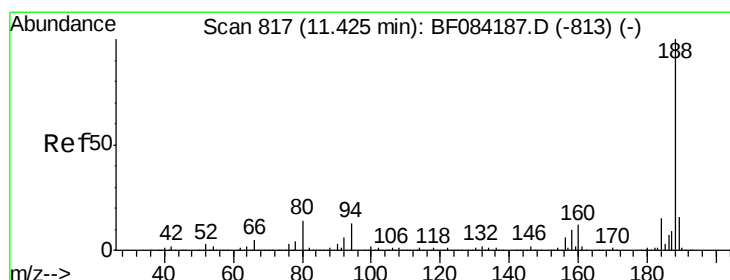
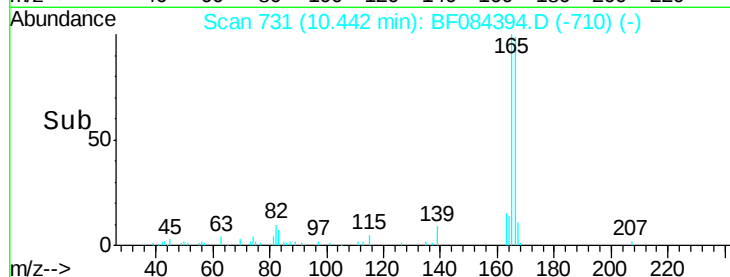
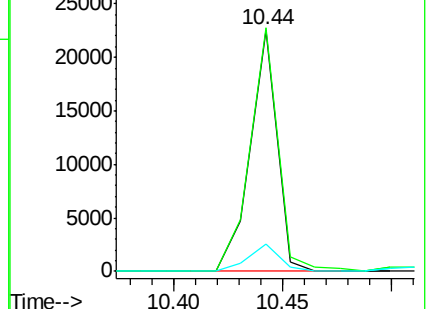
167 11.4 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.05 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

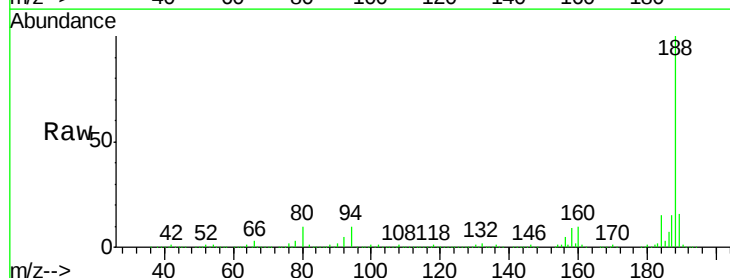
Tgt Ion:188 Resp: 1068614

Ion Ratio Lower Upper

188 100

94 9.5 9.0 13.4

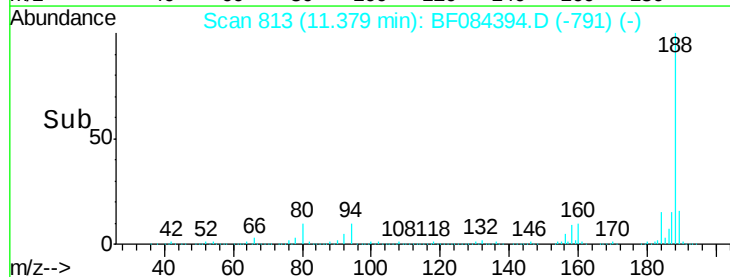
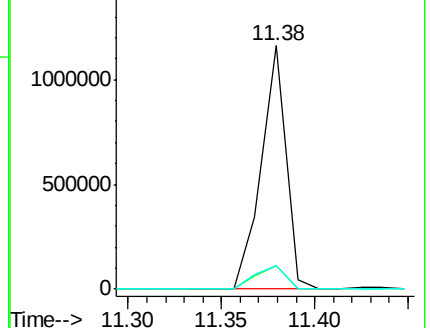
80 9.6 9.6 14.4

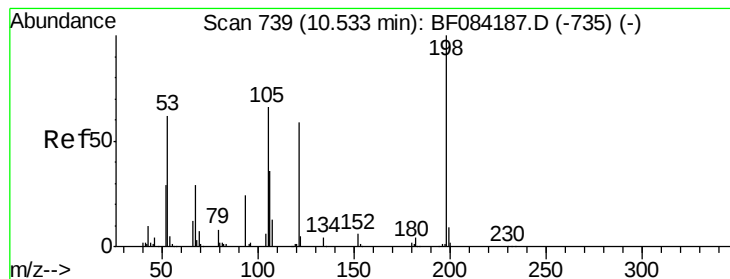


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 6.60 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.15 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

Instrument :

BNA_F

ClientSampleId :

HSR-WC-10-010516

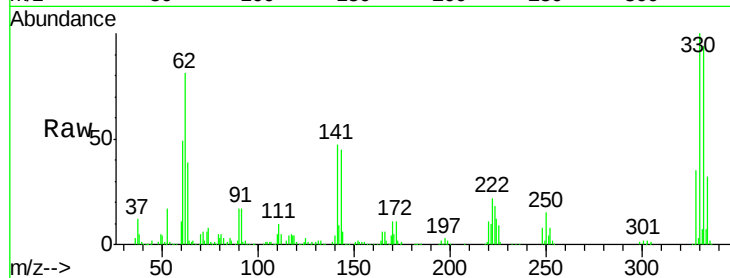
Tgt Ion:198 Resp: 1594

Ion Ratio Lower Upper

198 100

51 238.3 18.9 58.9#

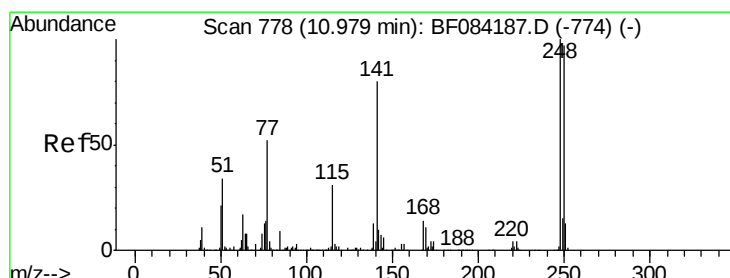
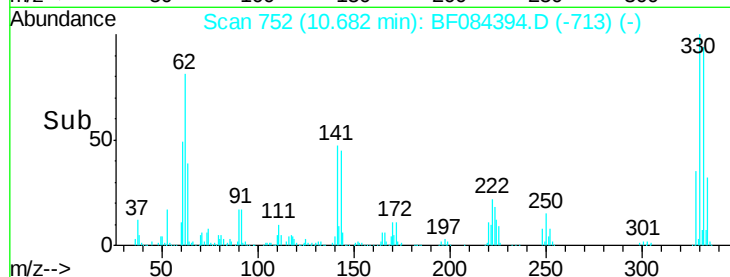
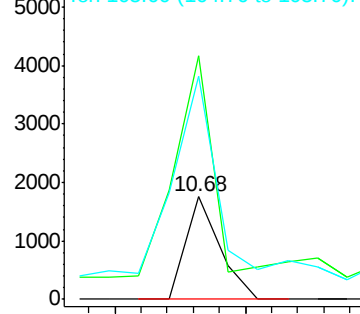
105 218.0 26.4 66.4#



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: 3.94 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.30 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

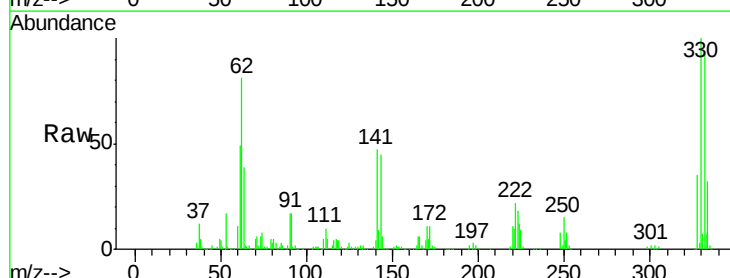
Tgt Ion:248 Resp: 45364

Ion Ratio Lower Upper

248 100

250 192.2 78.4 117.6#

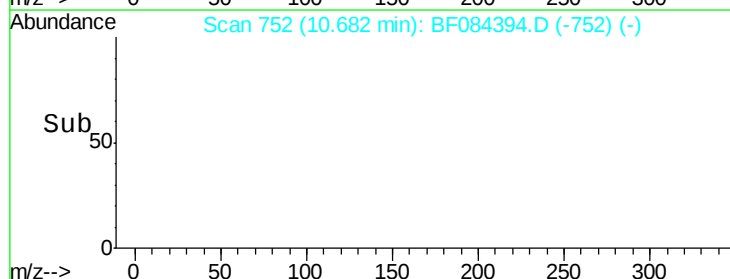
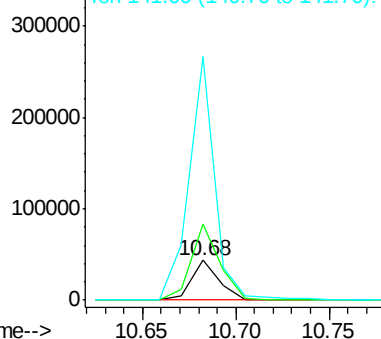
141 612.6 44.0 66.0#

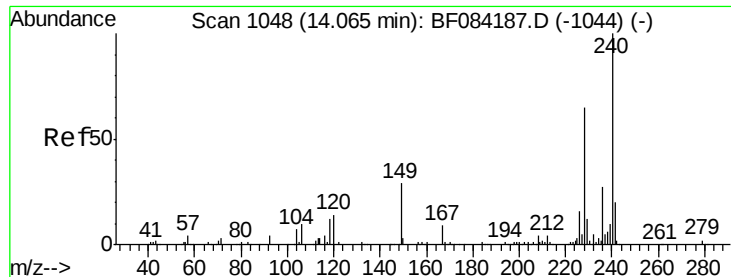


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.01 min Scan# 1043

Delta R.T. -0.06 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

Instrument :

BNA_F

ClientSampleId :

HSR-WC-10-010516

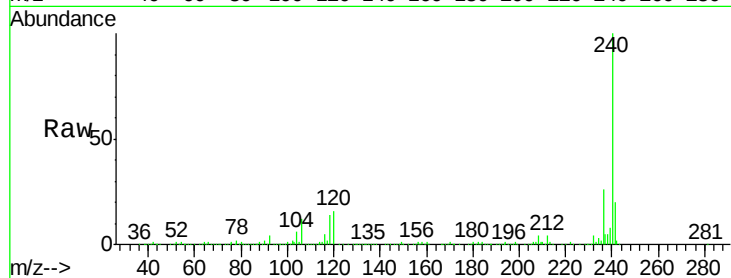
Tgt Ion:240 Resp: 677206

Ion Ratio Lower Upper

240 100

120 16.5 9.5 14.3#

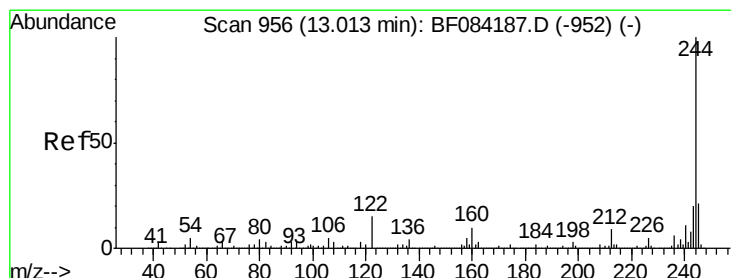
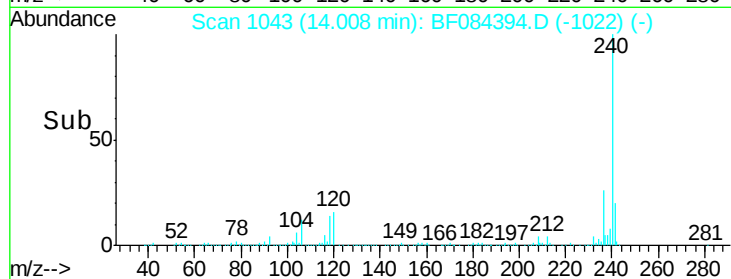
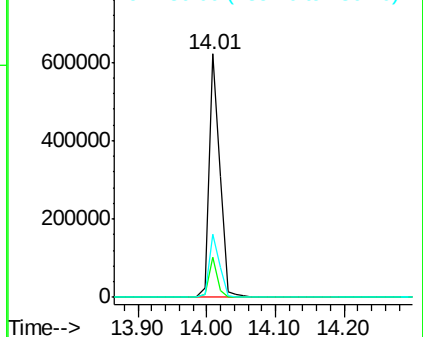
236 25.7 20.6 31.0



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



#78

Terphenyl-d14

Concen: 85.87 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084394.D

Acq: 11 Jan 2016 22:26

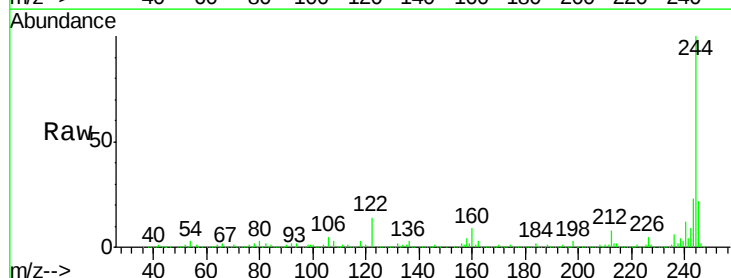
Tgt Ion:244 Resp: 2605120

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

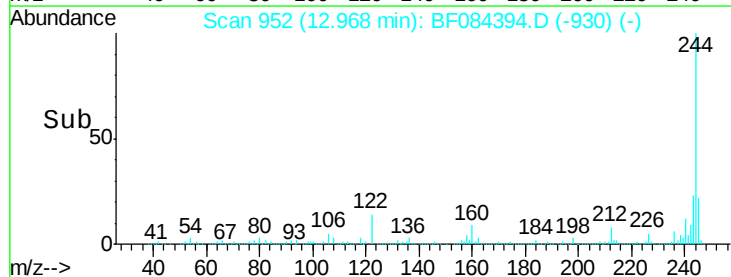
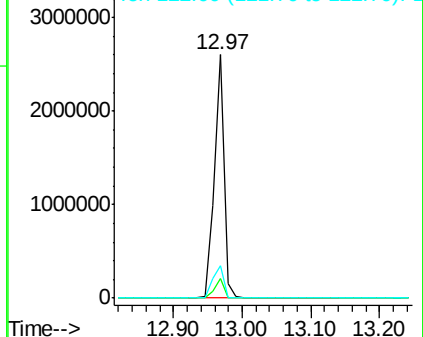
122 13.5 7.4 11.0#

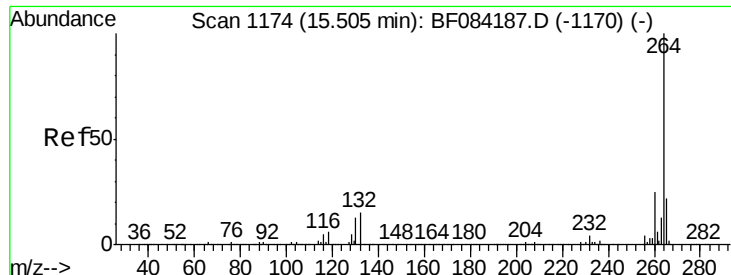


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.07 min
Lab File: BF084394.D
Acq: 11 Jan 2016 22:26

Instrument :
BNA_F
ClientSampleId :
HSR-WC-10-010516

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	21.7	17.8	26.6

