

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084192.D
 Acq On : 31 Dec 2015 14:01
 Operator : UM/SJ
 Sample : PB87600BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87600BL

Quant Time: Jan 01 22:50:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

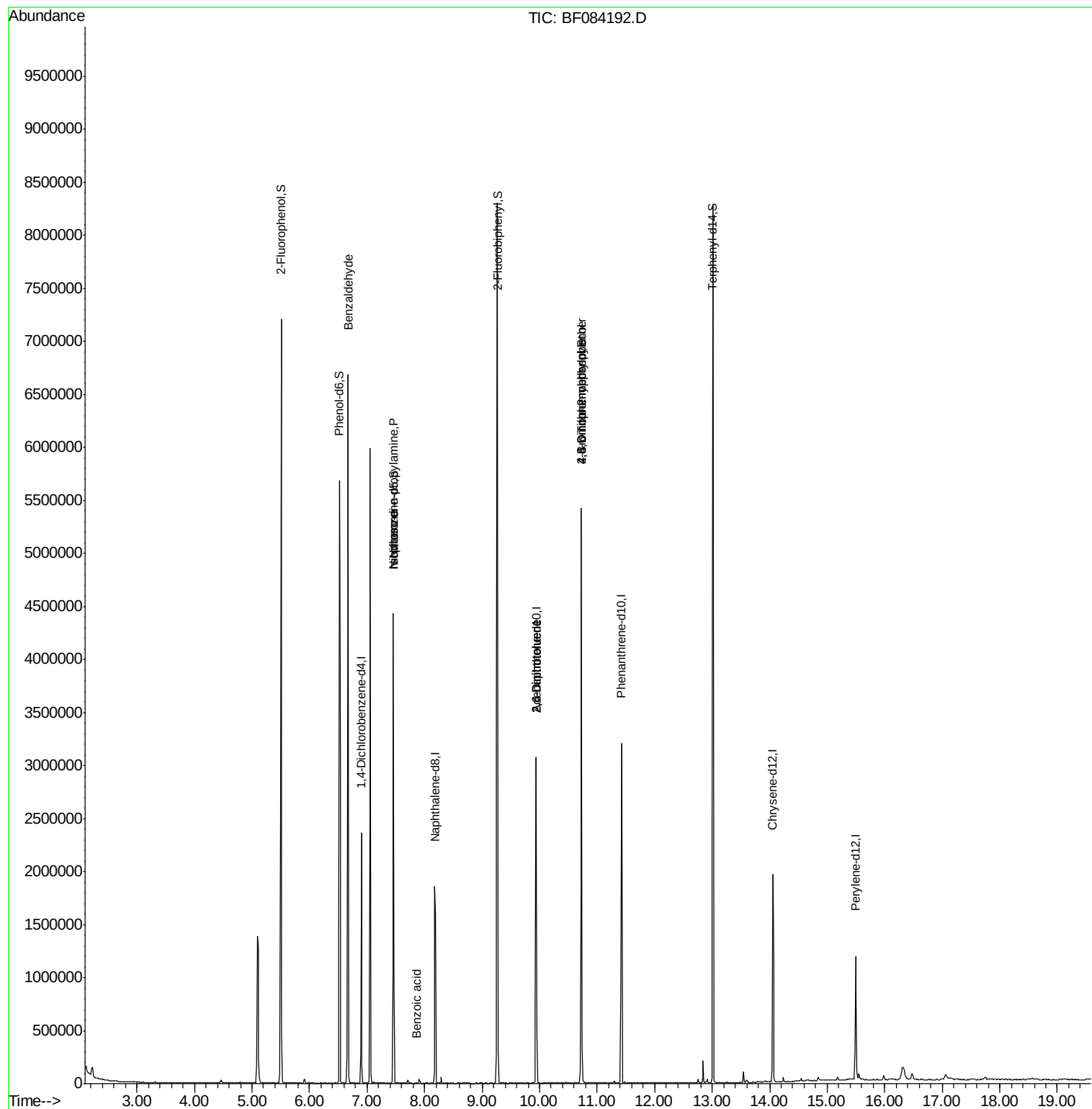
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	300335	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1201869	20.00	ng	-0.01
38) Acenaphthene-d10	9.94	164	572044	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	1116125	20.00	ng	0.00
75) Chrysene-d12	14.05	240	810278	20.00	ng	-0.01
86) Perylene-d12	15.49	264	615165	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1815603	97.78	ng	0.01
7) Phenol-d6	6.52	99	2369556	101.61	ng	-0.01
23) Nitrobenzene-d5	7.46	82	1438437	66.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	584667	101.24	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2553610	78.01	ng	0.00
78) Terphenyl-d14	13.01	244	2408751	66.36	ng	0.00
Target Compounds						
9) Benzaldehyde	6.67	77	54175	3.57	ng	Qvalue 81
19) n-Nitroso-di-n-propylamine	7.46	70	199812	12.66	ng	# 66
25) Isophorone	7.46	82	1202668	29.12	ng	# 66
32) Benzoic acid	7.86	122	1404	6.34	ng	# 86
50) 2,6-Dinitrotoluene	9.94	165	75821	8.45	ng	# 37
54) Dibenzofuran	10.14	168	1956	Below Cal	#	88
56) 2,4-Dinitrotoluene	9.94	165	75824	6.68	ng	# 21
57) Fluorene	10.49	166	1610	Below Cal	#	90
60) 4-Chlorophenyl-phenylether	10.48	204	728	Below Cal	#	73
64) 4,6-Dinitro-2-methylphenol	10.73	198	1444	6.58	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	40411	3.36	ng	# 1
73) Di-n-butylphthalate	11.99	149	2038	Below Cal	#	79

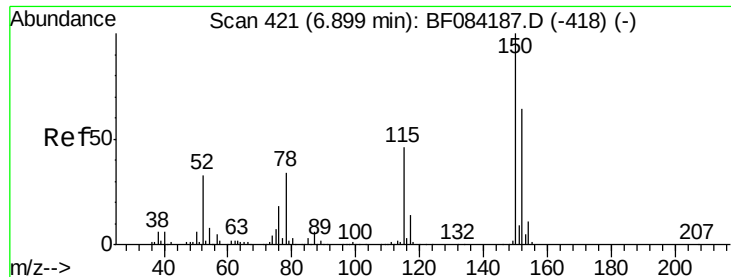
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.00 min

Lab File: BF084192.D

Acq: 31 Dec 2015 14:01

Instrument :

BNA_F

ClientSampleId :

PB87600BL

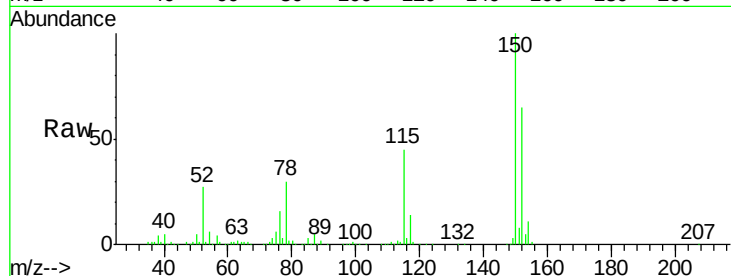
Tgt Ion:152 Resp: 300335

Ion Ratio Lower Upper

152 100

150 154.3 123.0 184.4

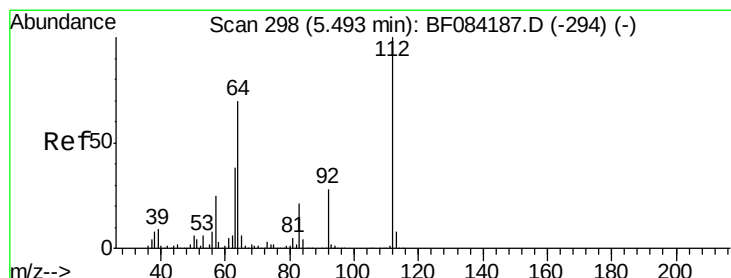
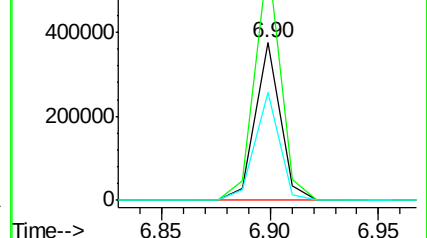
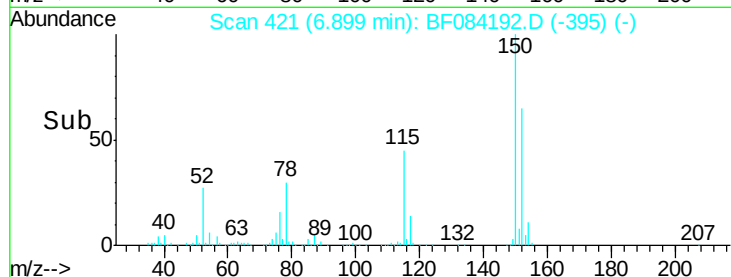
115 68.8 51.4 77.2



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: 97.78 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084192.D

Acq: 31 Dec 2015 14:01

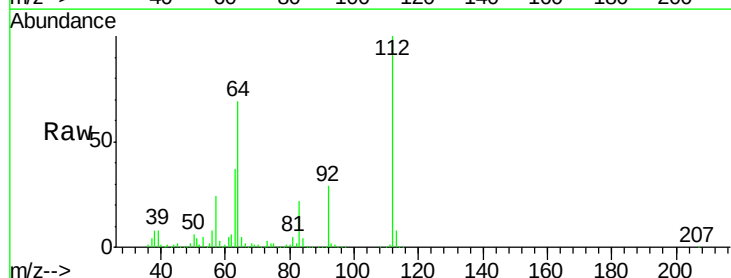
Tgt Ion:112 Resp: 1815603

Ion Ratio Lower Upper

112 100

64 69.1 36.6 55.0#

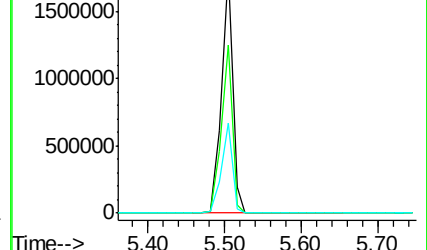
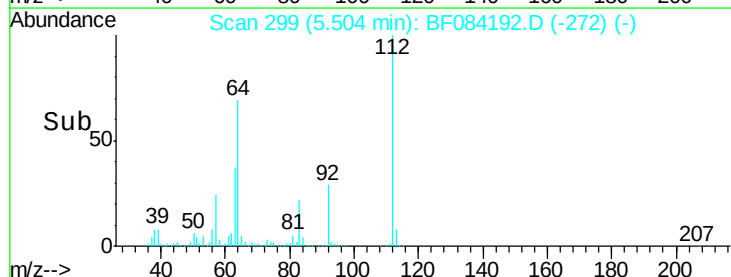
63 37.0 19.4 29.0#

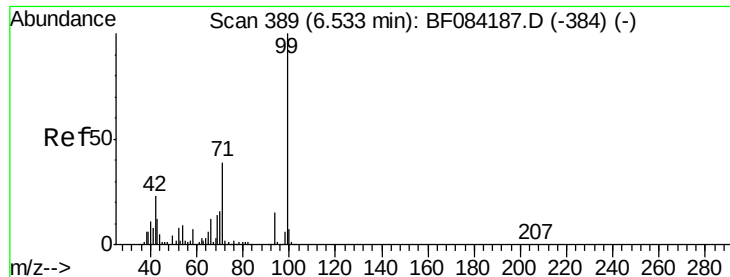


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.61 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF084192.D

Acq: 31 Dec 2015 14:01

Instrument :

BNA_F

ClientSampleId :

PB87600BL

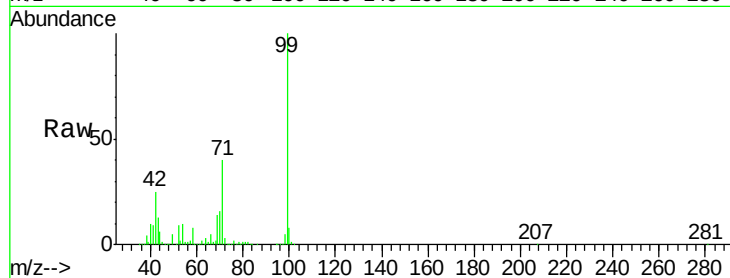
Tgt Ion: 99 Resp: 2369556

Ion Ratio Lower Upper

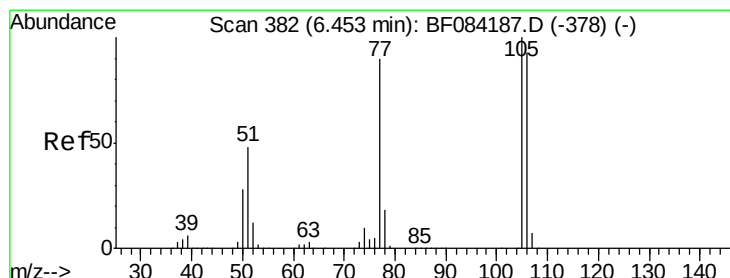
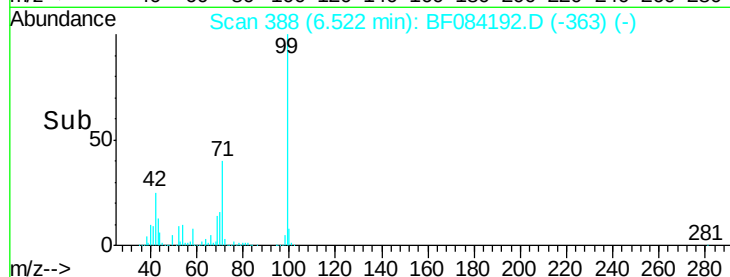
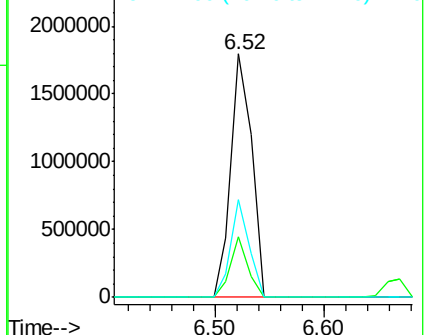
99 100

42 24.9 12.8 19.2#

71 40.0 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



#9

Benzaldehyde

Concen: 3.57 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.22 min

Lab File: BF084192.D

Acq: 31 Dec 2015 14:01

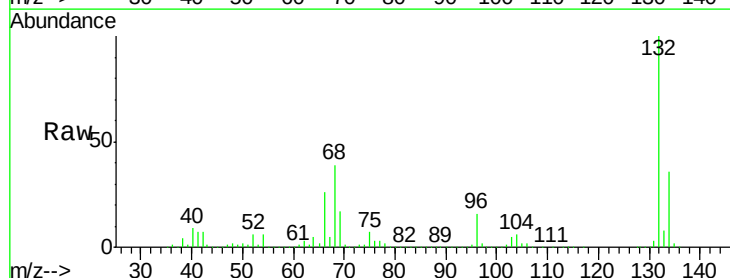
Tgt Ion: 77 Resp: 54175

Ion Ratio Lower Upper

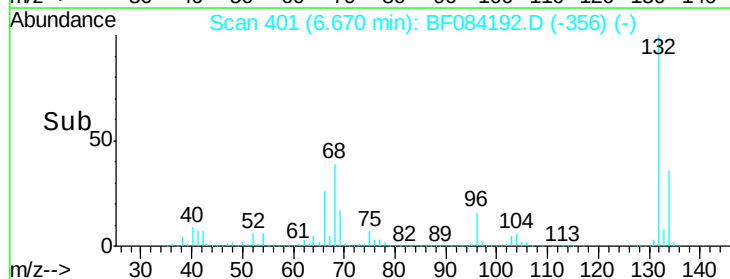
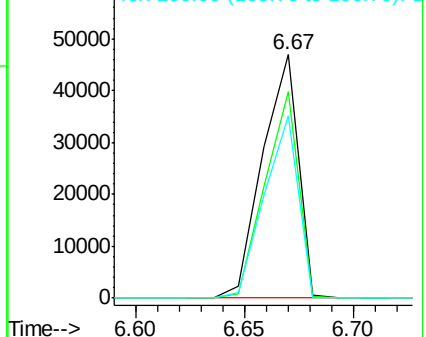
77 100

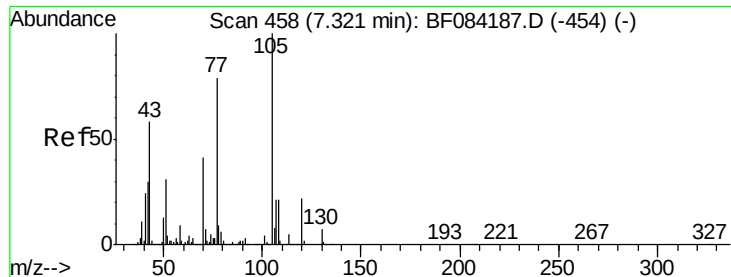
105 85.1 83.0 123.0

106 75.0 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

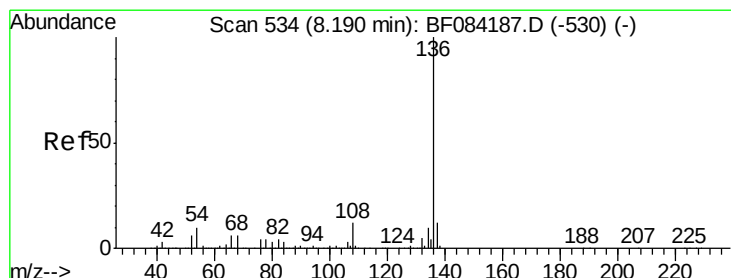
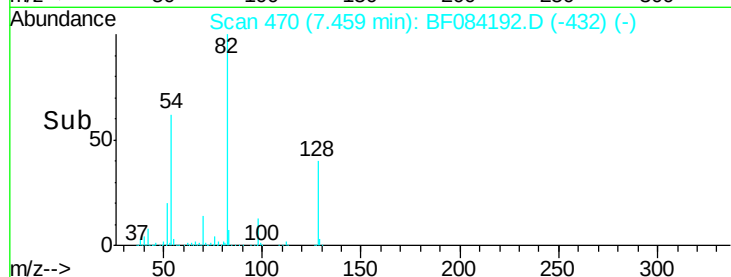
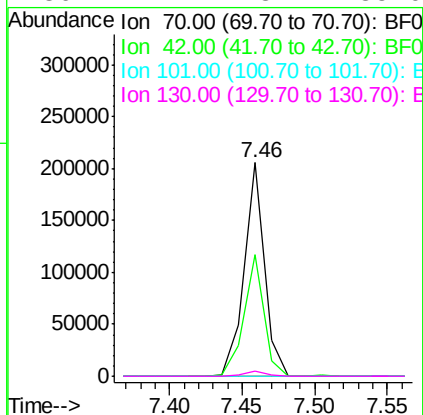
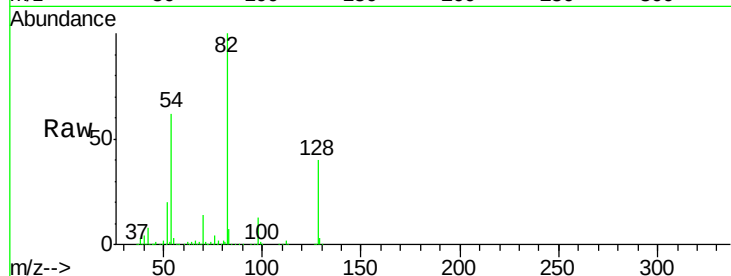




#19
n-Nitroso-di-n-propylamine
Concen: 12.66 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.14 min
Lab File: BF084192.D
Acq: 31 Dec 2015 14:01

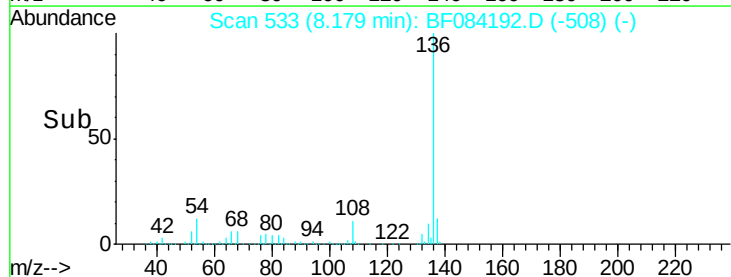
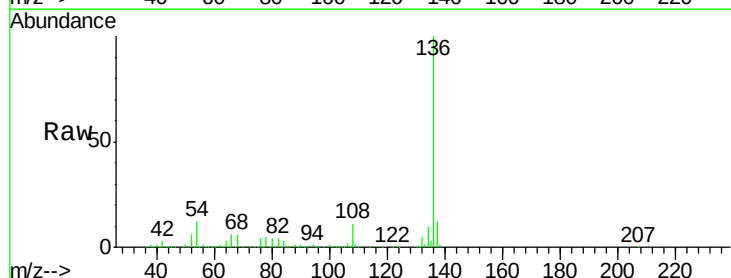
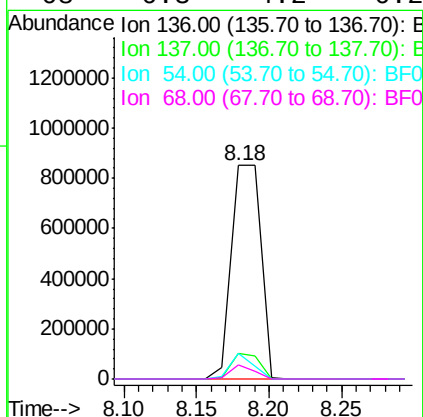
Instrument :
BNA_F
ClientSampleId :
PB87600BL

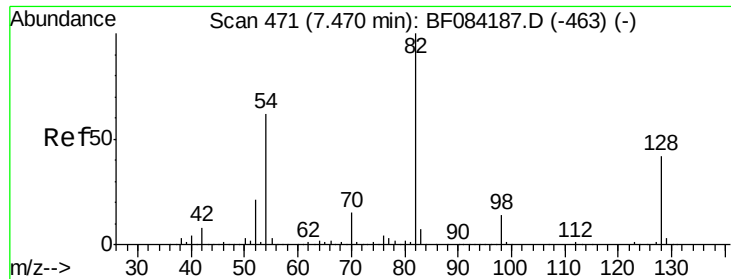
Tgt Ion: 70 Resp: 199812
Ion Ratio Lower Upper
70 100
42 57.0 33.3 49.9#
101 0.0 9.3 13.9#
130 2.2 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF084192.D
Acq: 31 Dec 2015 14:01

Tgt Ion: 136 Resp: 1201869
Ion Ratio Lower Upper
136 100
137 11.8 8.7 13.1
54 12.0 5.8 8.8#
68 6.3 4.2 6.2#

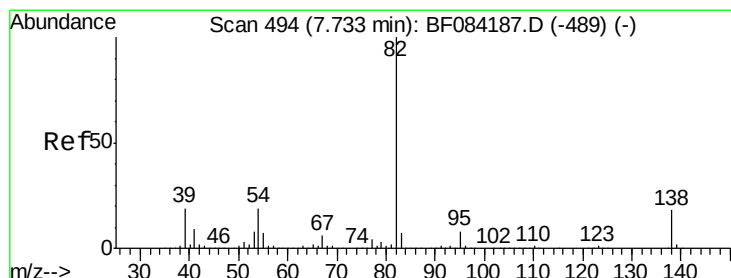
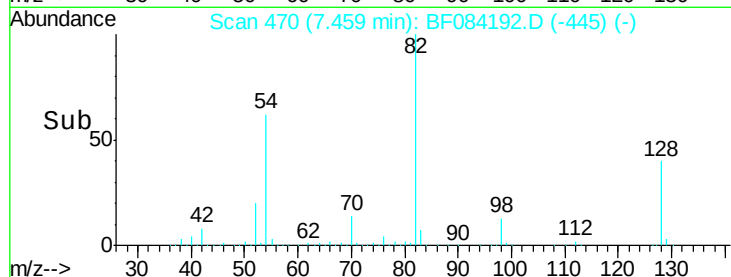
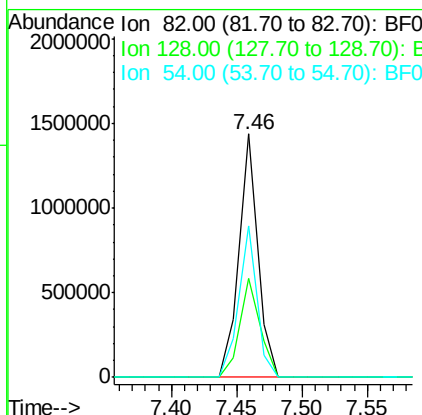
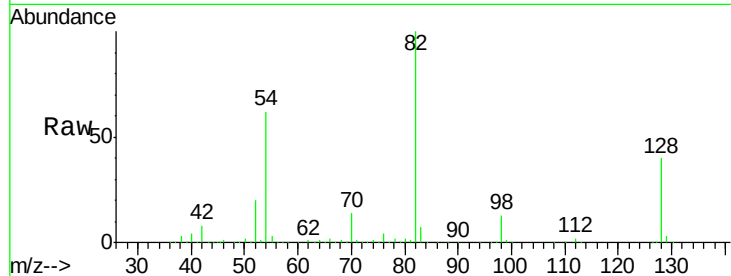




#23
 Nitrobenzene-d5
 Concen: 66.61 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF084192.D
 Acq: 31 Dec 2015 14:01

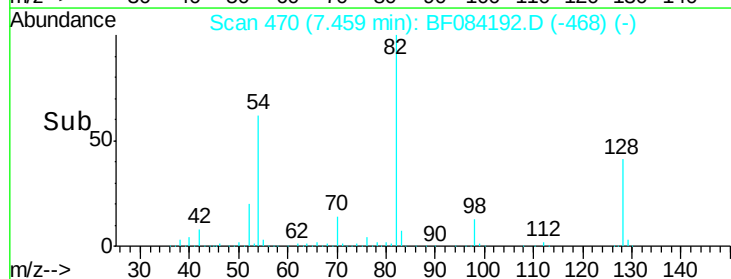
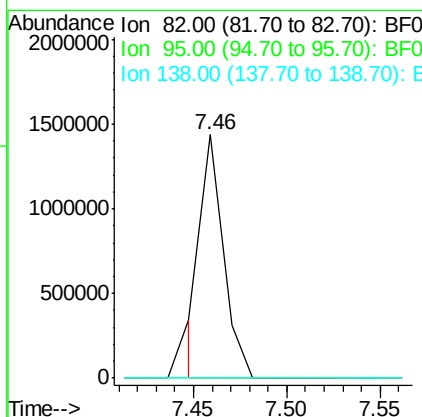
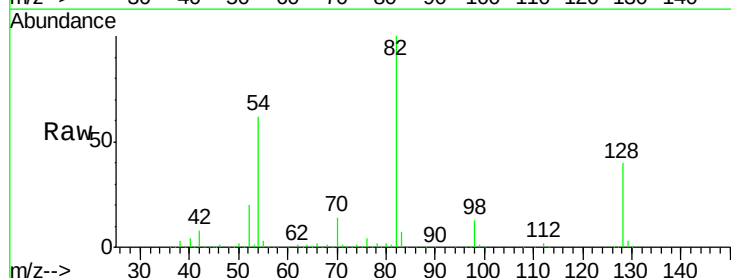
Instrument :
 BNA_F
 ClientSampleId :
 PB87600BL

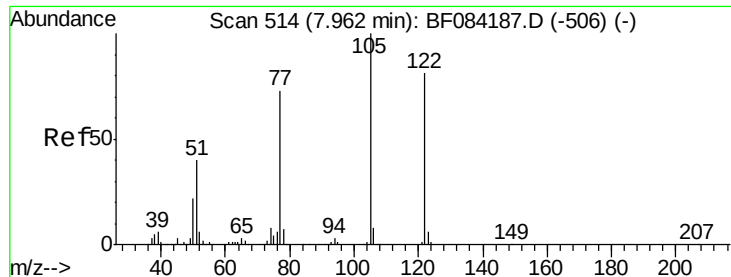
Tgt Ion: 82 Resp: 1438437
 Ion Ratio Lower Upper
 82 100
 128 40.5 34.6 51.8
 54 62.2 38.4 57.6#



#25
 Isophorone
 Concen: 29.12 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.27 min
 Lab File: BF084192.D
 Acq: 31 Dec 2015 14:01

Tgt Ion: 82 Resp: 1202668
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.6 10.0#
 138 0.0 13.6 20.4#

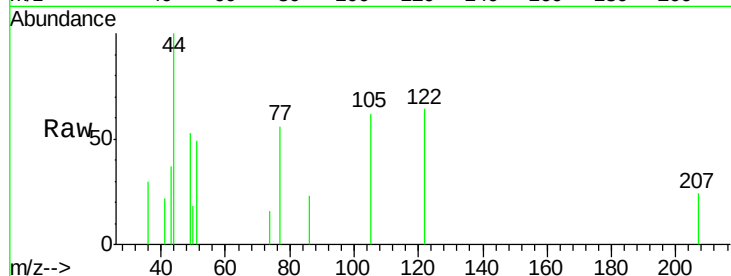




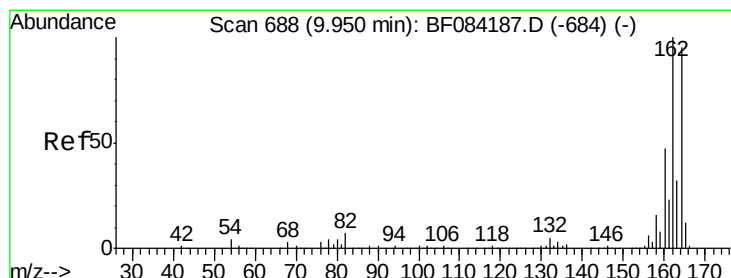
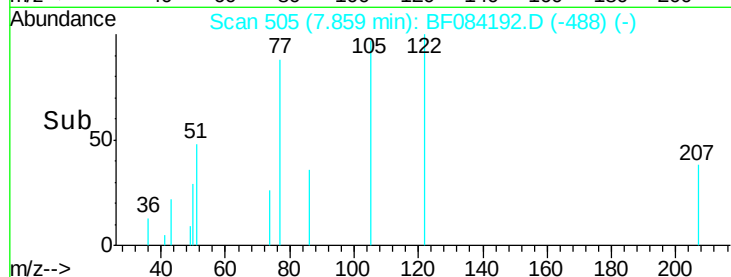
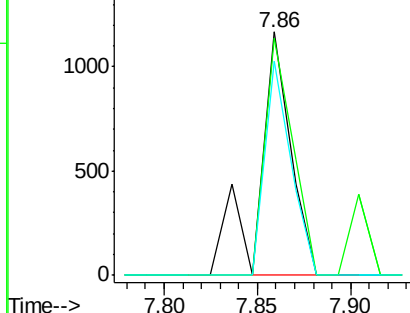
#32
Benzoic acid
Concen: 6.34 ng
RT: 7.86 min Scan# 505
Delta R.T. -0.10 min
Lab File: BF084192.D
Acq: 31 Dec 2015 14:01

Instrument :
BNA_F
ClientSampleId :
PB87600BL

Tgt Ion	Ratio	Lower	Upper
122	100		
105	97.4	100.3	140.3#
77	88.0	63.5	103.5

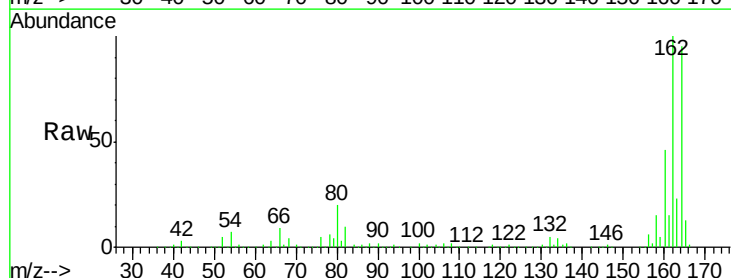


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

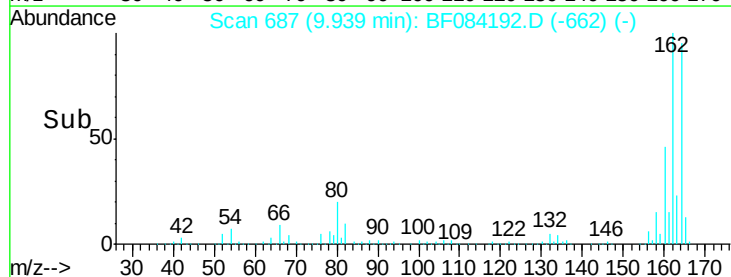
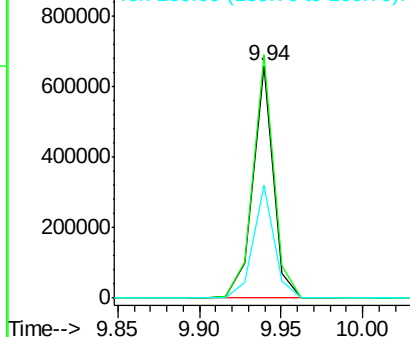


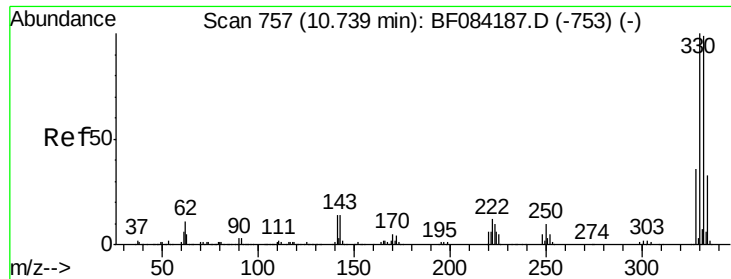
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF084192.D
Acq: 31 Dec 2015 14:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	85.1	127.7
160	48.4	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

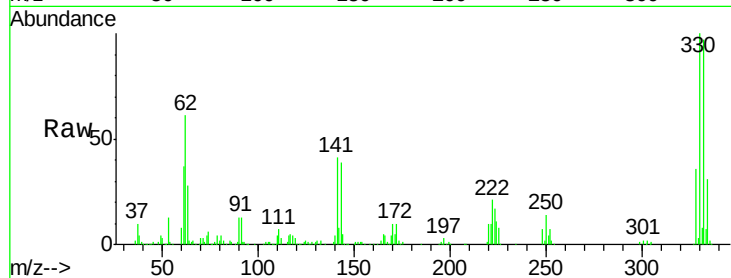




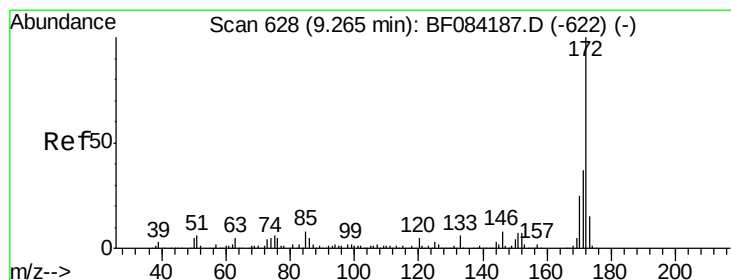
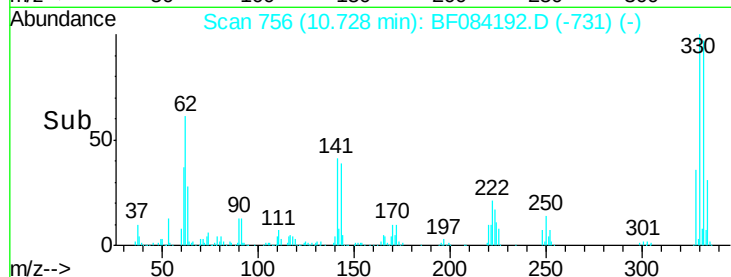
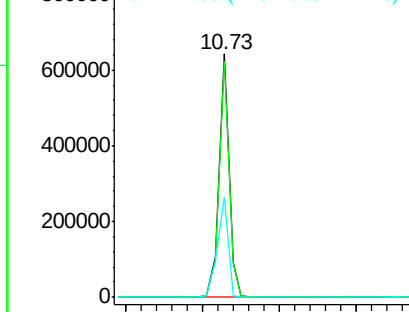
#41
 2,4,6-Tribromophenol
 Concen: 101.24 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084192.D
 Acq: 31 Dec 2015 14:01

Instrument :
 BNA_F
 ClientSampleId :
 PB87600BL

Tgt Ion:330 Resp: 584667
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 114.8
 141 43.9 27.8 41.6#

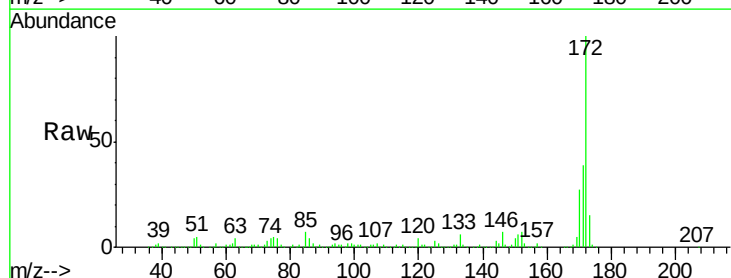


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

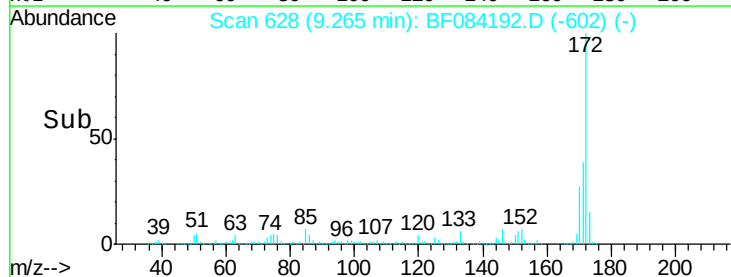
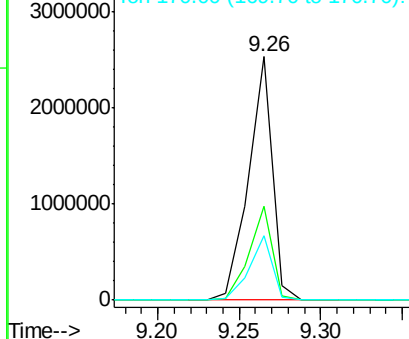


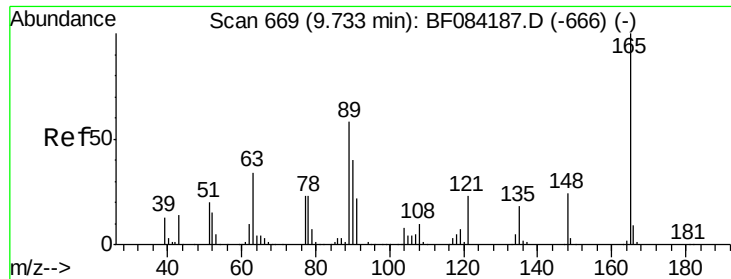
#44
 2-Fluorobiphenyl
 Concen: 78.01 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084192.D
 Acq: 31 Dec 2015 14:01

Tgt Ion:172 Resp: 2553610
 Ion Ratio Lower Upper
 172 100
 171 38.5 28.9 43.3
 170 26.6 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

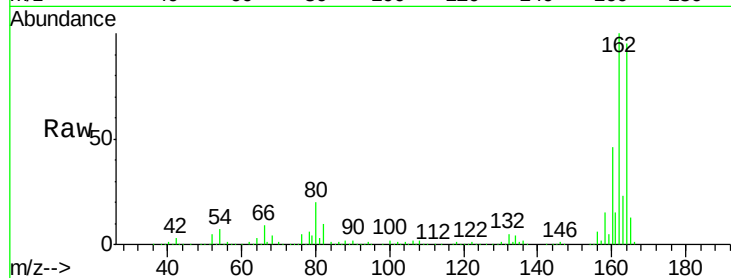




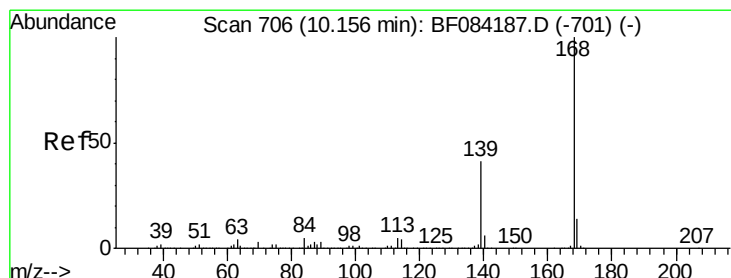
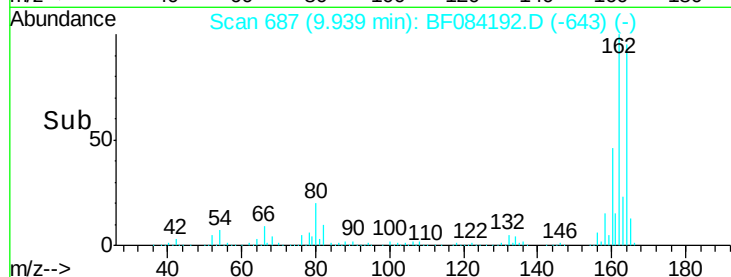
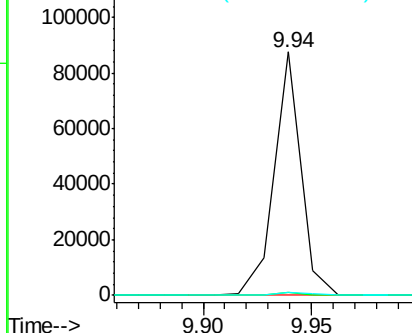
#50
 2,6-Dinitrotoluene
 Concen: 8.45 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.21 min
 Lab File: BF084192.D
 Acq: 31 Dec 2015 14:01

Instrument :
 BNA_F
 ClientSampleId :
 PB87600BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	28.8	43.2#
89	1.4	35.1	52.7#

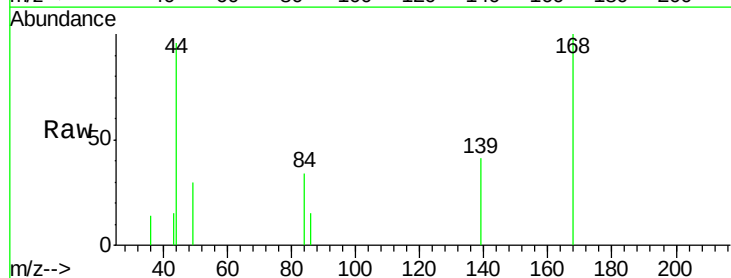


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

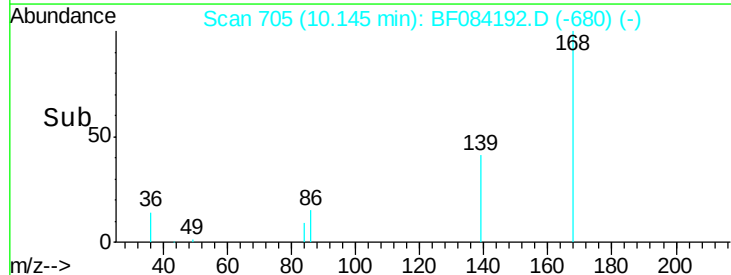
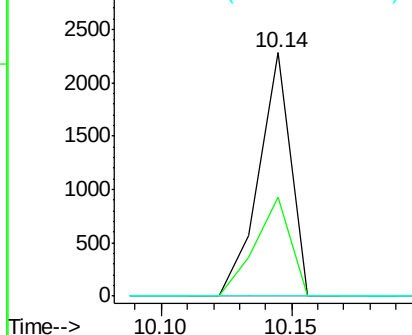


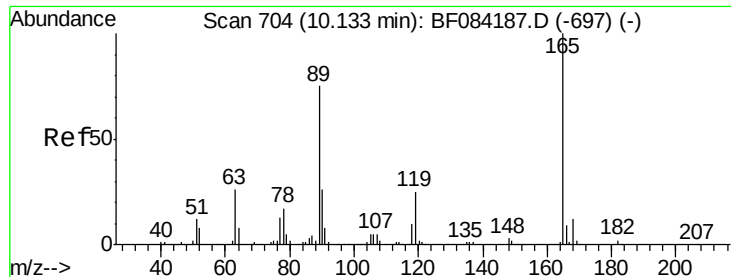
#54
 Dibenzofuran
 Concen: Below Cal
 RT: 10.14 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: BF084192.D
 Acq: 31 Dec 2015 14:01

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.8	30.5	45.7
169	0.0	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

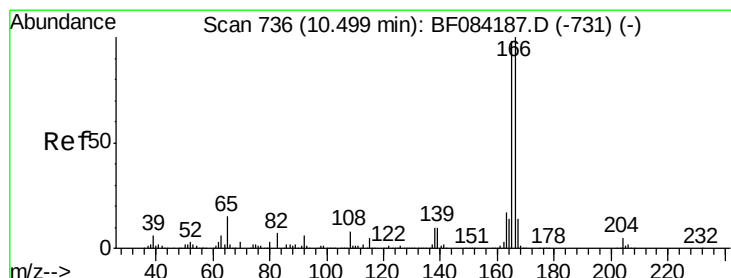
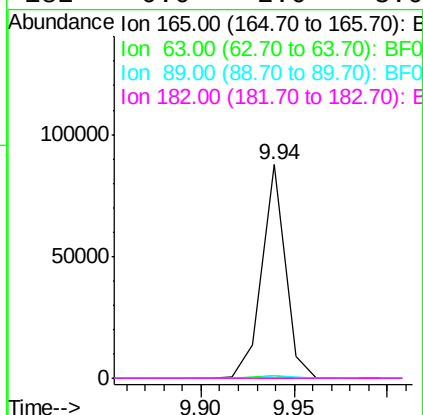
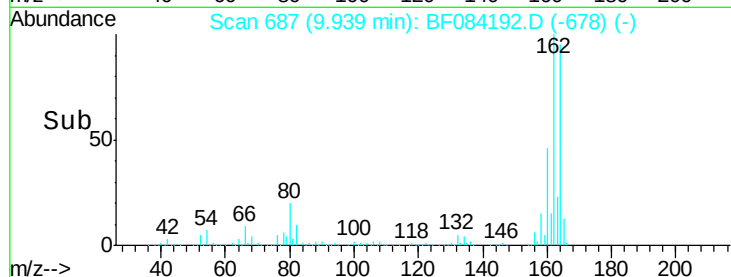
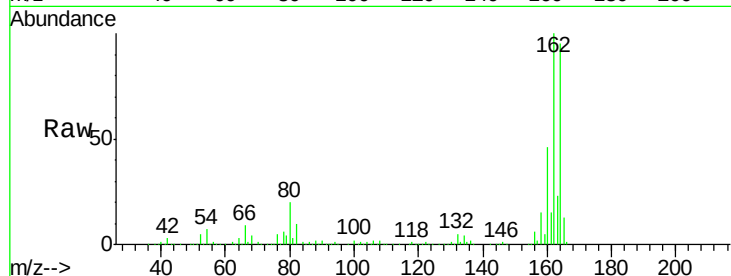




#56
2,4-Dinitrotoluene
Concen: 6.68 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.19 min
Lab File: BF084192.D
Acq: 31 Dec 2015 14:01

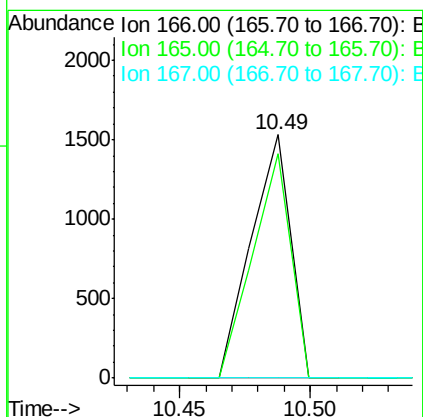
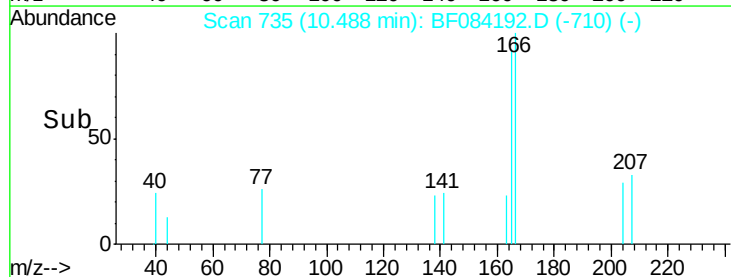
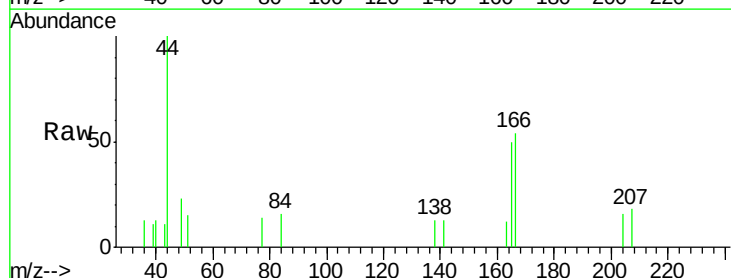
Instrument :
BNA_F
ClientSampleId :
PB87600BL

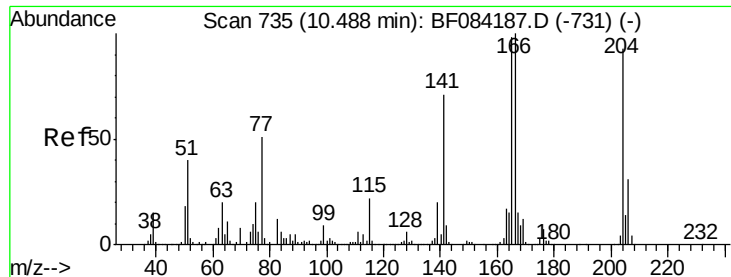
Tgt Ion:165 Resp: 75824
Ion Ratio Lower Upper
165 100
63 1.1 36.7 55.1#
89 1.4 61.9 92.9#
182 0.0 2.0 3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.49 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF084192.D
Acq: 31 Dec 2015 14:01

Tgt Ion:166 Resp: 1610
Ion Ratio Lower Upper
166 100
165 92.1 79.1 118.7
167 0.0 10.4 15.6#





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.48 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF084192.D

Acq: 31 Dec 2015 14:01

Instrument :

BNA_F

ClientSampleId :

PB87600BL

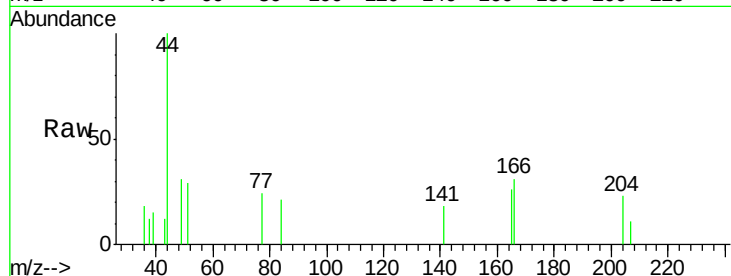
Tgt Ion:204 Resp: 728

Ion Ratio Lower Upper

204 100

206 0.0 25.7 38.5#

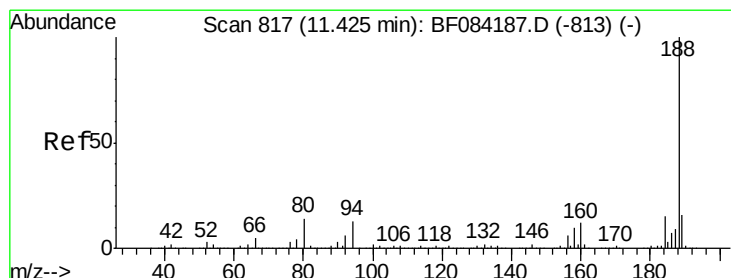
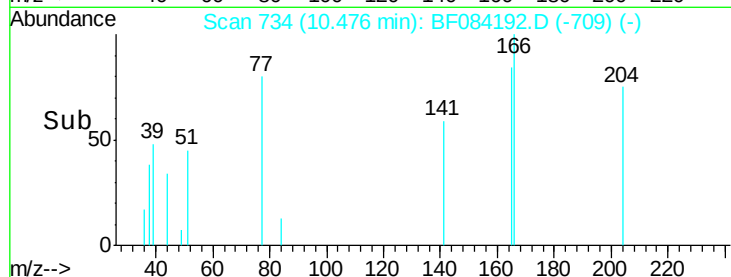
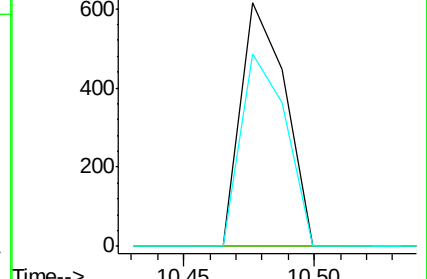
141 79.0 55.1 82.7



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF084192.D

Acq: 31 Dec 2015 14:01

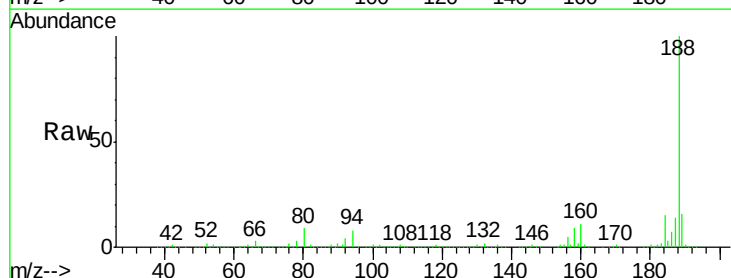
Tgt Ion:188 Resp: 1116125

Ion Ratio Lower Upper

188 100

94 8.3 9.0 13.4#

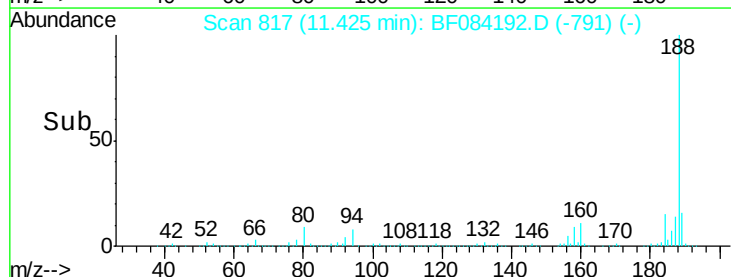
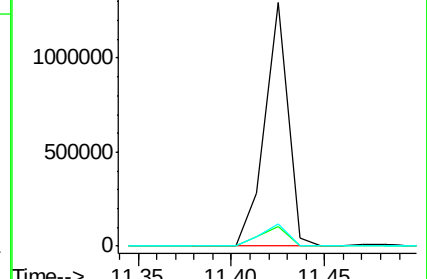
80 8.9 9.6 14.4#

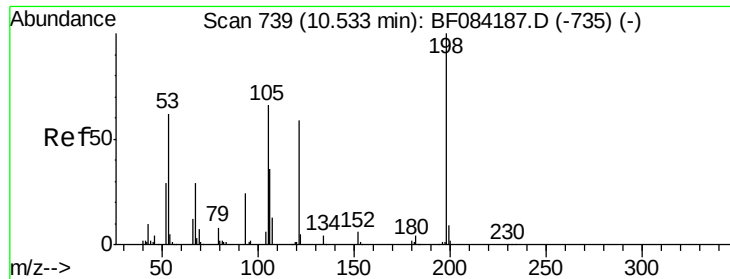


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

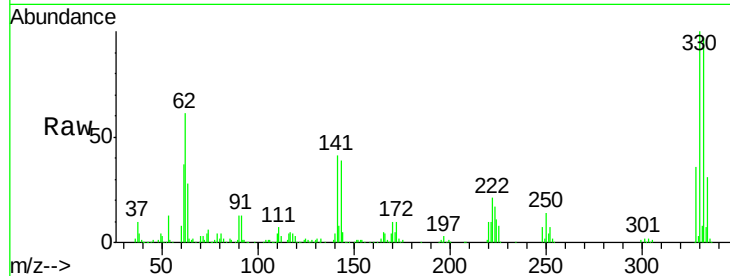




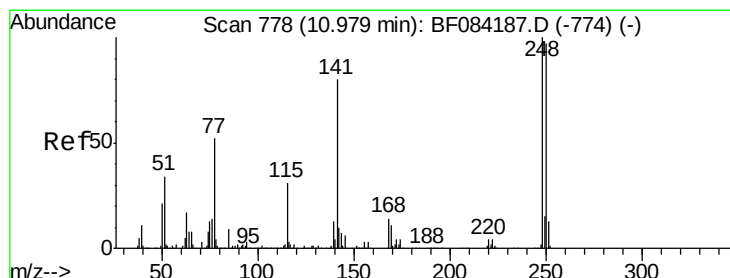
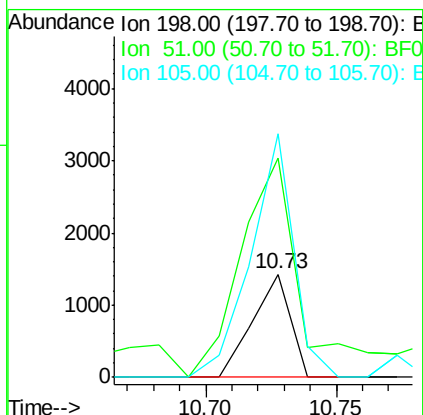
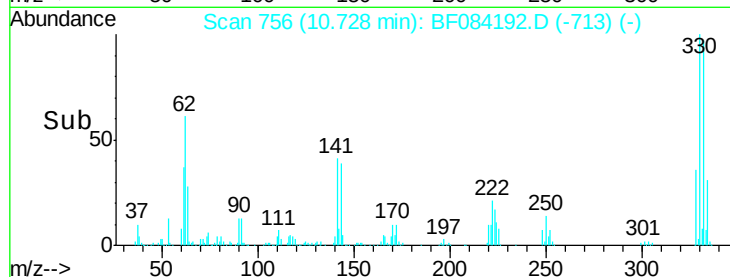
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.58 ng
 RT: 10.73 min Scan# 756
 Delta R.T. 0.19 min
 Lab File: BF084192.D
 Acq: 31 Dec 2015 14:01

Instrument :
 BNA_F
 ClientSampleId :
 PB87600BL

Tgt Ion:198 Resp: 1444
 Ion Ratio Lower Upper
 198 100
 51 213.4 18.9 58.9#
 105 236.4 26.4 66.4#

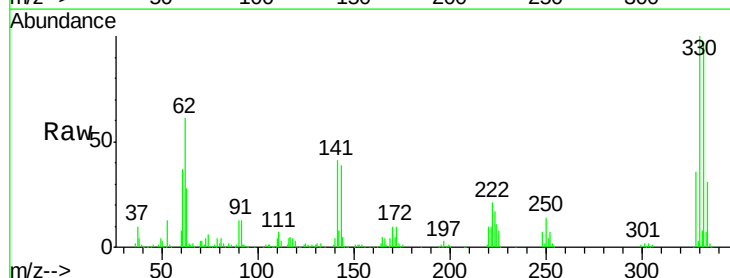


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

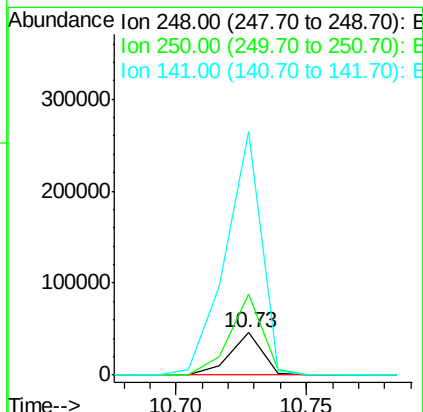
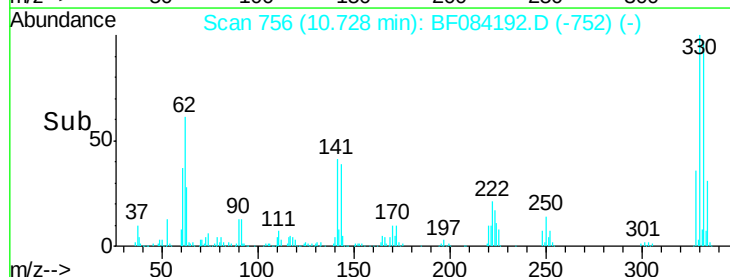


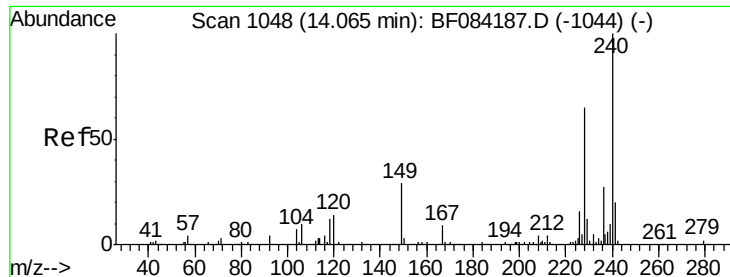
#66
 4-Bromophenyl-phenylether
 Concen: 3.36 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.25 min
 Lab File: BF084192.D
 Acq: 31 Dec 2015 14:01

Tgt Ion:248 Resp: 40411
 Ion Ratio Lower Upper
 248 100
 250 190.2 78.4 117.6#
 141 571.8 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: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084192.D

Acq: 31 Dec 2015 14:01

Instrument :

BNA_F

ClientSampleId :

PB87600BL

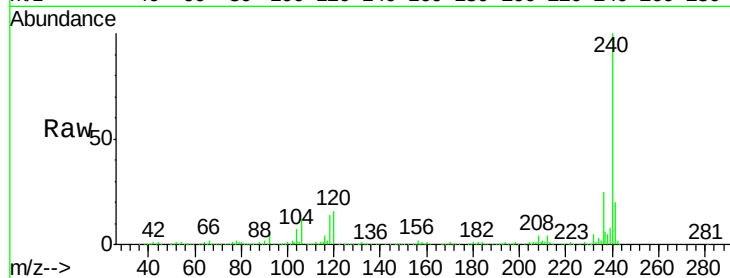
Tgt Ion:240 Resp: 810278

Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

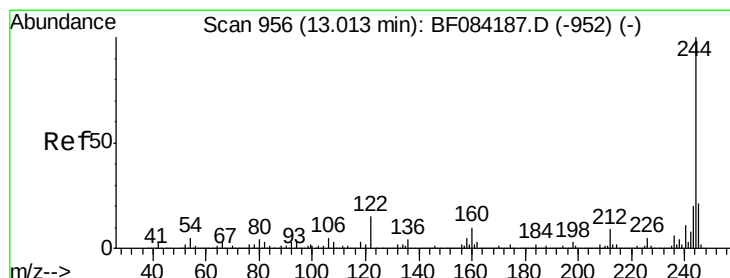
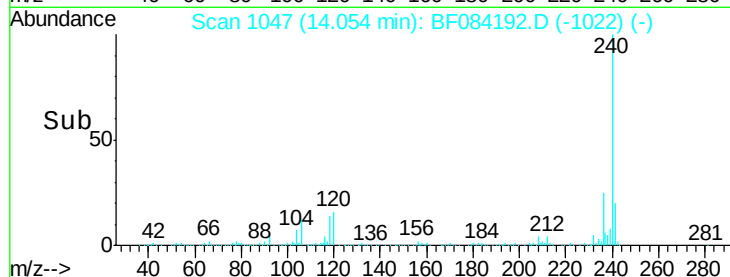
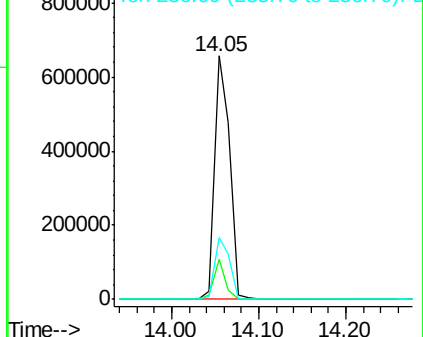
236 25.3 20.6 31.0



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



#78

Terphenyl-d14

Concen: 66.36 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084192.D

Acq: 31 Dec 2015 14:01

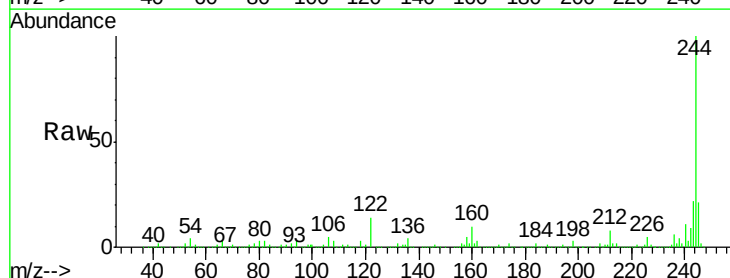
Tgt Ion:244 Resp: 2408751

Ion Ratio Lower Upper

244 100

212 8.4 5.7 8.5

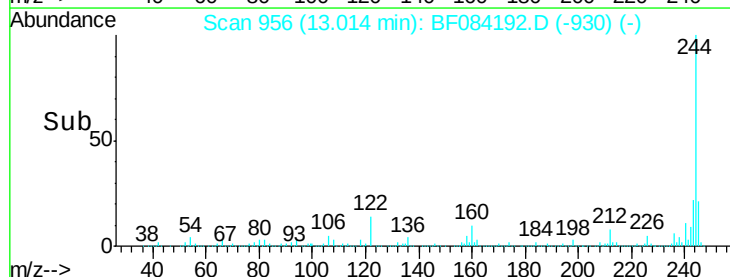
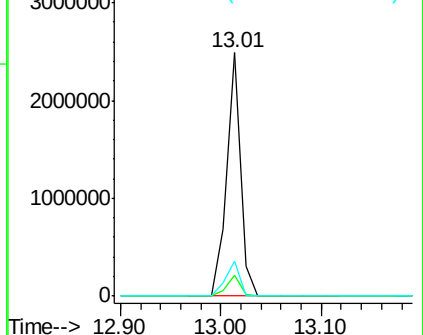
122 14.1 7.4 11.0#

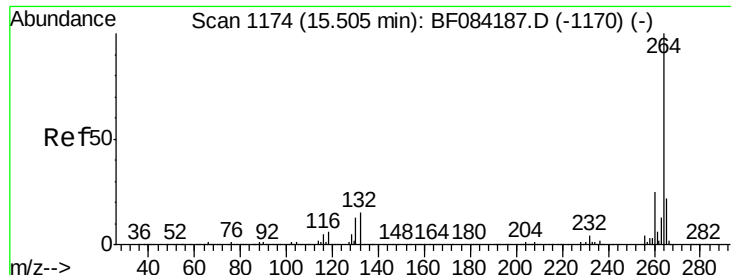


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

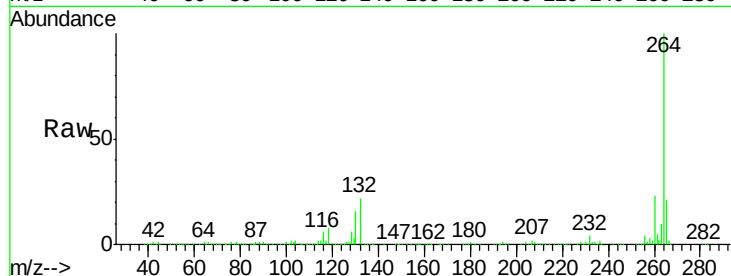




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF084192.D
Acq: 31 Dec 2015 14:01

Instrument :
BNA_F
ClientSampleId :
PB87600BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	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

