

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
 Data File : BF083912.D
 Acq On : 18 Dec 2015 14:53
 Operator : UM/SJ
 Sample : PB87340BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87340BL

Quant Time: Dec 19 04:14:33 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

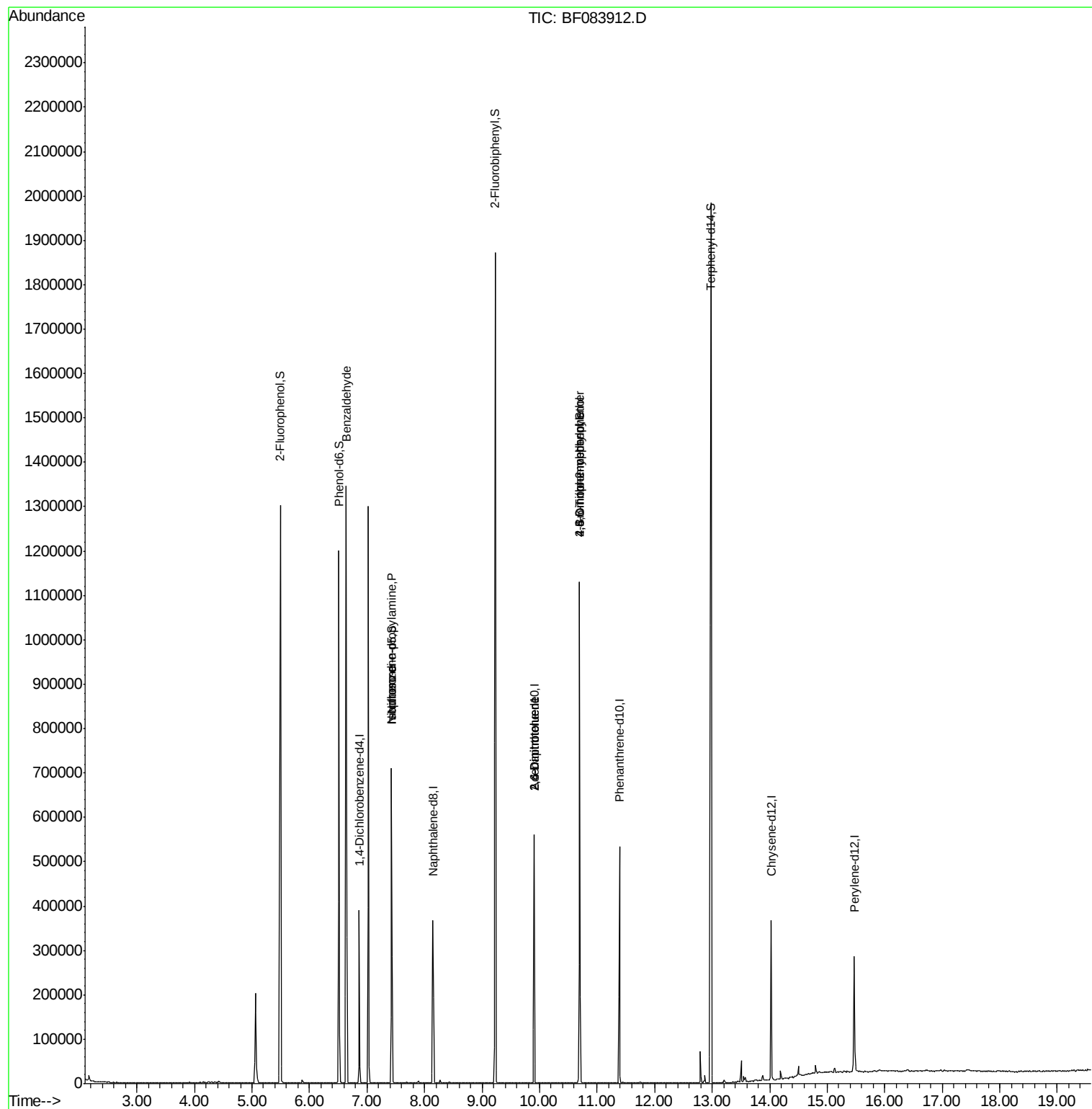
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	54922	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	206921	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	110235	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	208842	20.00	ng	0.00
75) Chrysene-d12	14.03	240	183337	20.00	ng	0.00
86) Perylene-d12	15.47	264	140206	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	404488	115.26	ng	0.01
7) Phenol-d6	6.51	99	432998	100.80	ng	0.00
23) Nitrobenzene-d5	7.42	82	272058	75.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	133642	110.05	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	640680	81.01	ng	-0.01
78) Terphenyl-d14	12.98	244	694990	88.92	ng	0.00
Target Compounds						
9) Benzaldehyde	6.64	77	8741	3.38	ng	Qvalue 88
19) n-Nitroso-di-n-propylamine	7.42	70	37200	14.85	ng	# 77
25) Isophorone	7.42	82	236248	34.63	ng	# 66
31) Naphthalene	8.27	128	240	Below Cal	#	1
45) 1,1'-Biphenyl	9.23	154	1306	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.90	165	14456	7.16	ng	# 37
56) 2,4-Dinitrotoluene	9.90	165	14457	5.59	ng	# 21
57) Fluorene	10.69	166	5866	Below Cal	#	89
64) 4,6-Dinitro-2-methylphenol	10.69	198	213	4.08	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	8922	3.49	ng	# 1
77) Pyrene	12.98	202	2640	Below Cal	#	68

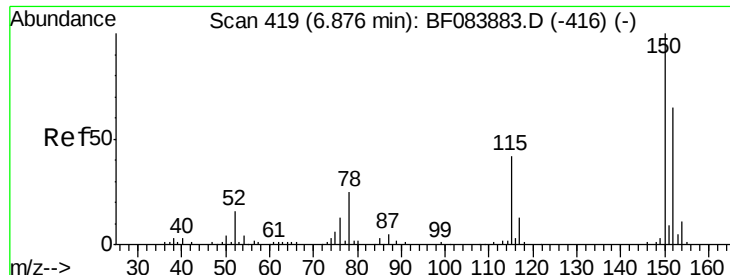
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

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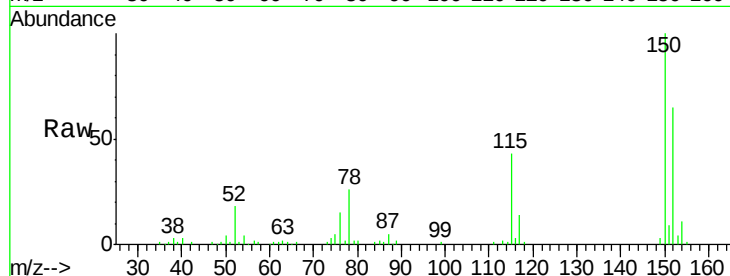




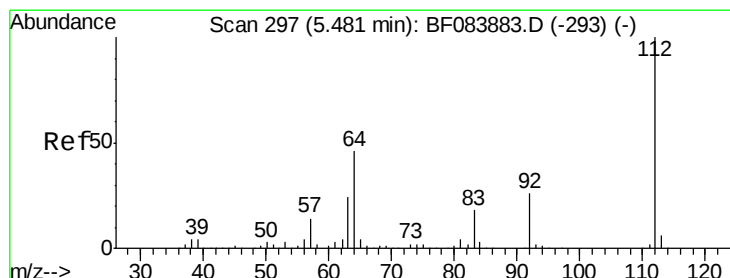
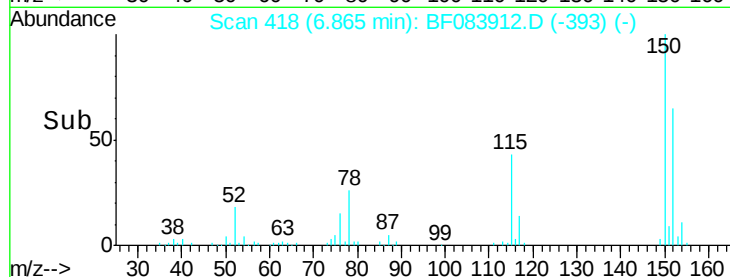
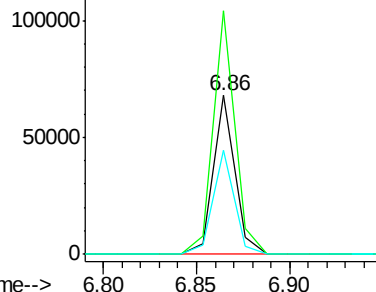
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 418
 Delta R.T. -0.01 min
 Lab File: BF083912.D
 Acq: 18 Dec 2015 14:53

Instrument :
 BNA_F
 ClientSampleId :
 PB87340BL

Tgt Ion:152 Resp: 54922
 Ion Ratio Lower Upper
 152 100
 150 153.5 123.0 184.4
 115 65.5 51.4 77.2

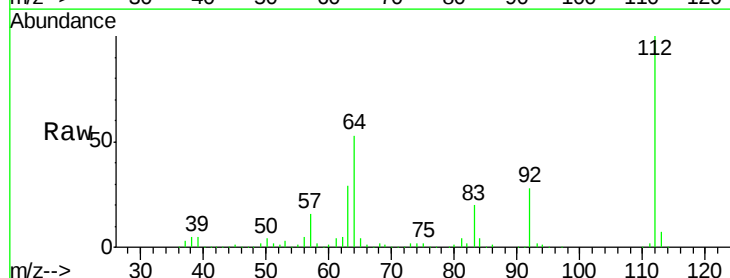


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

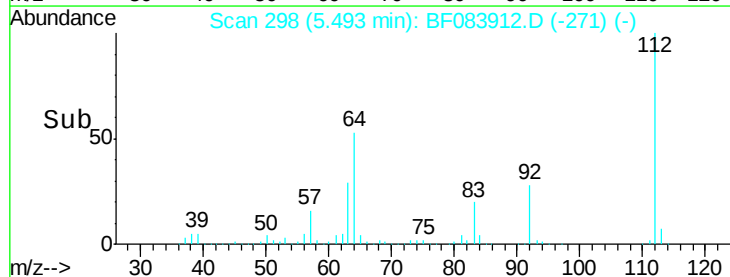
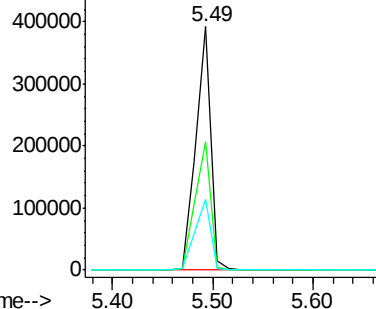


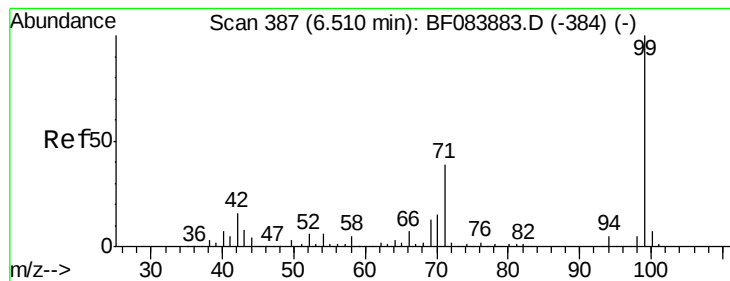
#5
 2-Fluorophenol
 Concen: 115.26 ng
 RT: 5.49 min Scan# 298
 Delta R.T. 0.01 min
 Lab File: BF083912.D
 Acq: 18 Dec 2015 14:53

Tgt Ion:112 Resp: 404488
 Ion Ratio Lower Upper
 112 100
 64 52.7 36.6 55.0
 63 28.9 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: 100.80 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF083912.D

Acq: 18 Dec 2015 14:53

Instrument :

BNA_F

ClientSampleId :

PB87340BL

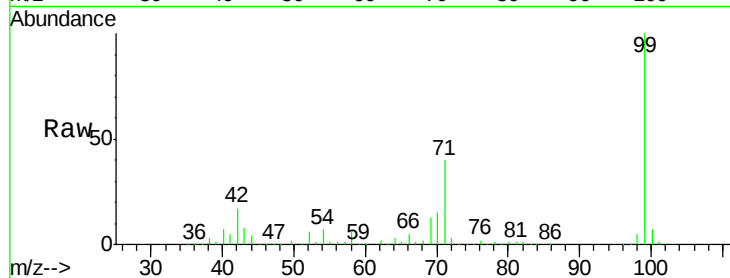
Tgt Ion: 99 Resp: 432998

Ion Ratio Lower Upper

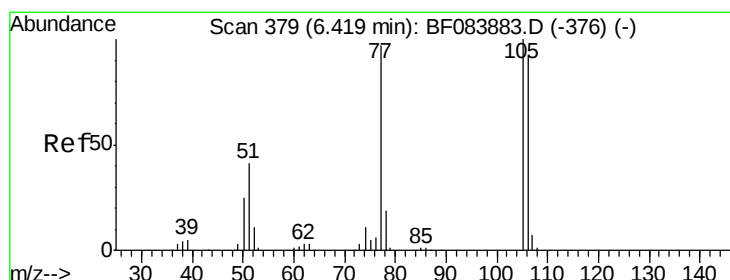
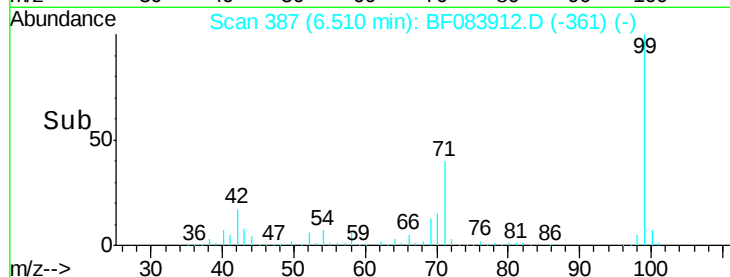
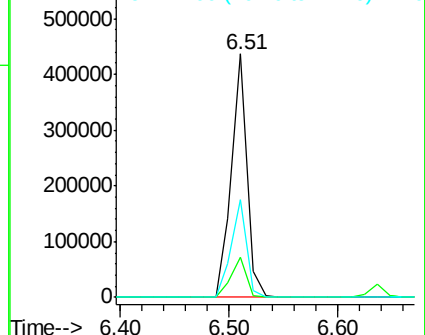
99 100

42 16.6 12.8 19.2

71 40.1 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: 3.38 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.22 min

Lab File: BF083912.D

Acq: 18 Dec 2015 14:53

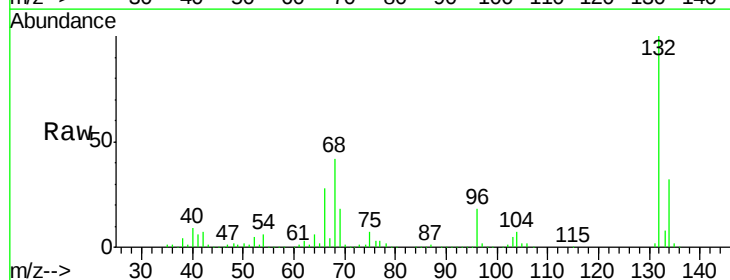
Tgt Ion: 77 Resp: 8741

Ion Ratio Lower Upper

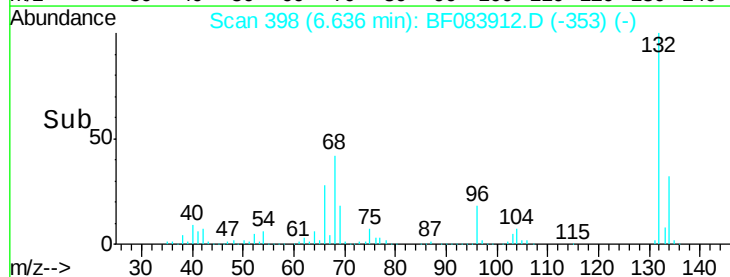
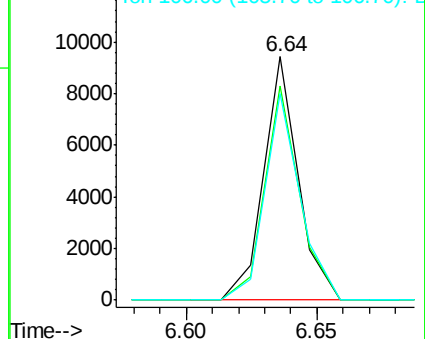
77 100

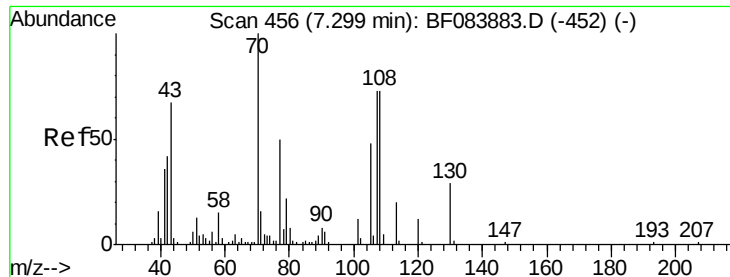
105 88.2 83.0 123.0

106 85.0 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

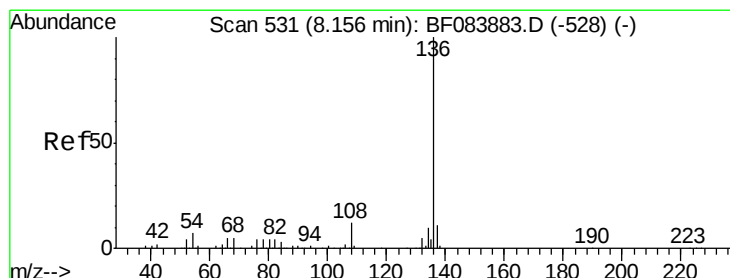
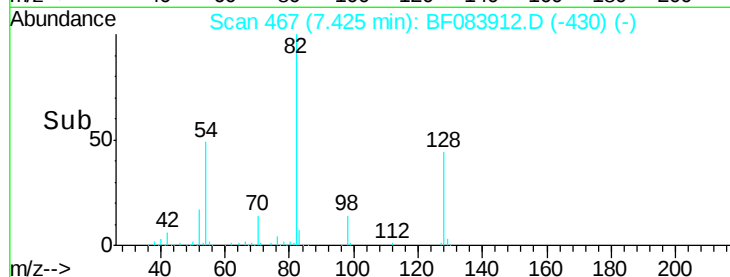
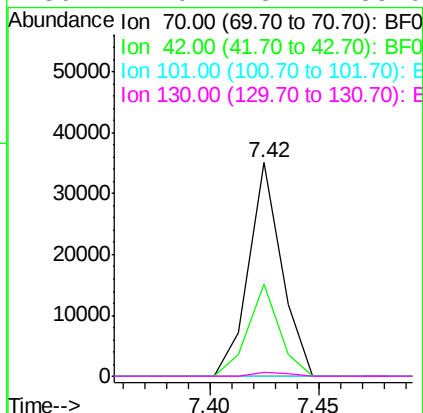
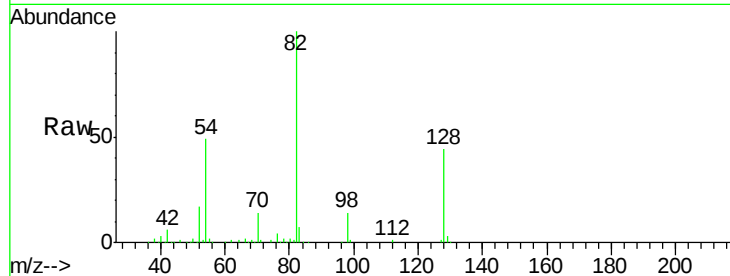




#19
n-Nitroso-di-n-propylamine
Concen: 14.85 ng
RT: 7.42 min Scan# 467
Delta R.T. 0.13 min
Lab File: BF083912.D
Acq: 18 Dec 2015 14:53

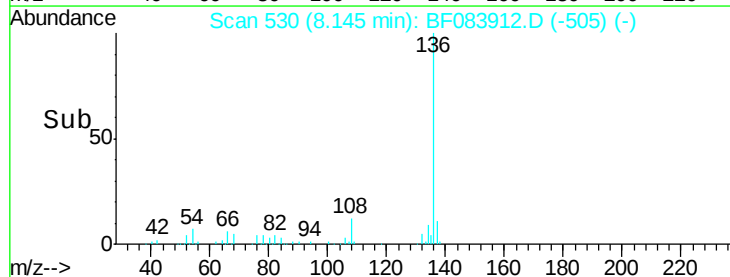
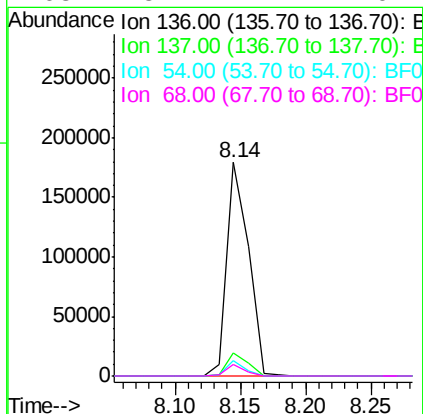
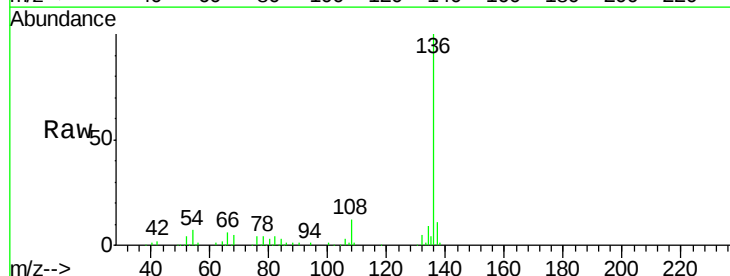
Instrument :
BNA_F
ClientSampled :
PB87340BL

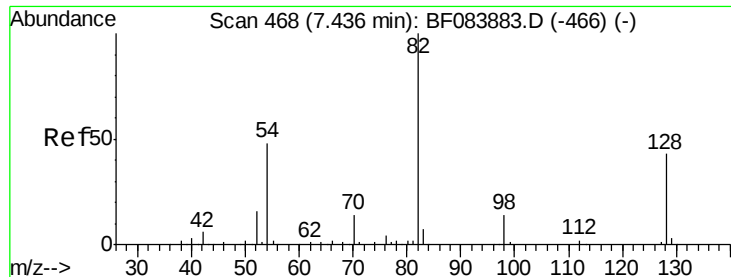
Tgt Ion: 70 Resp: 37200
Ion Ratio Lower Upper
70 100
42 42.9 33.3 49.9
101 0.0 9.3 13.9#
130 2.0 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.01 min
Lab File: BF083912.D
Acq: 18 Dec 2015 14:53

Tgt Ion: 136 Resp: 206921
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.0 5.8 8.8
68 5.2 4.2 6.2

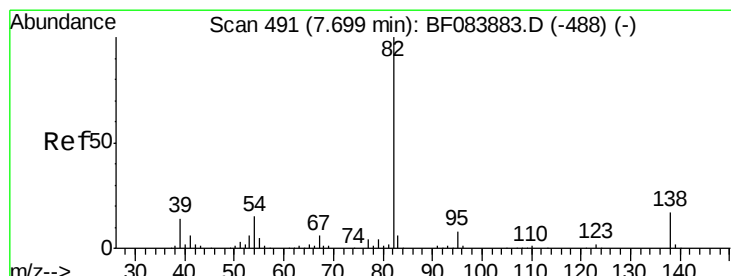
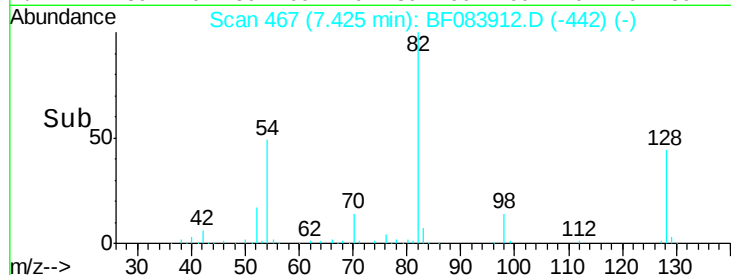
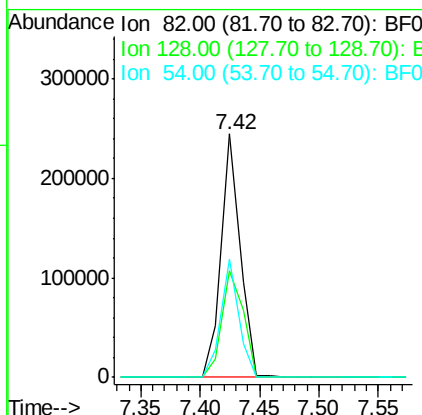
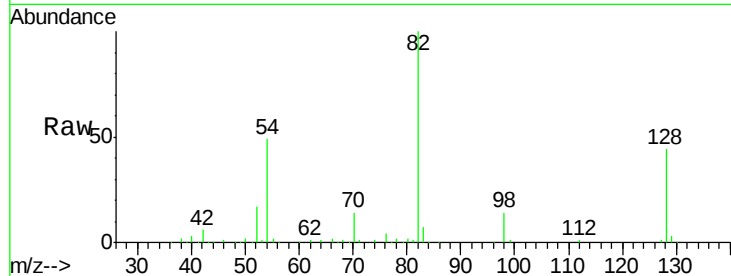




#23
 Nitrobenzene-d5
 Concen: 75.04 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: BF083912.D
 Acq: 18 Dec 2015 14:53

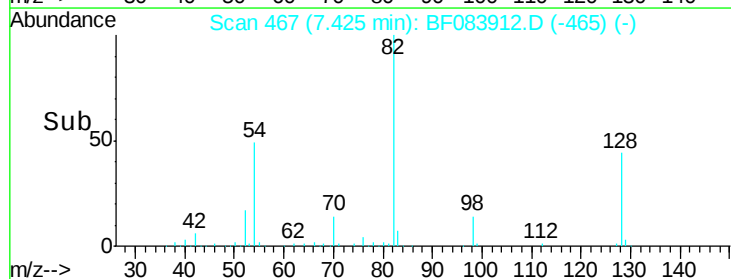
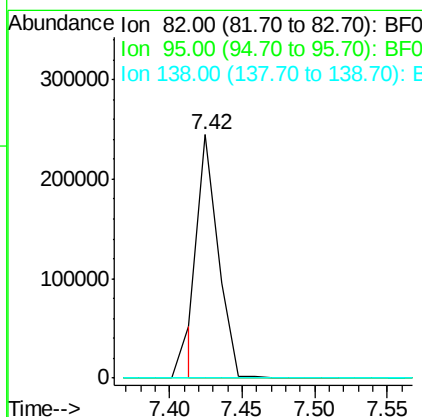
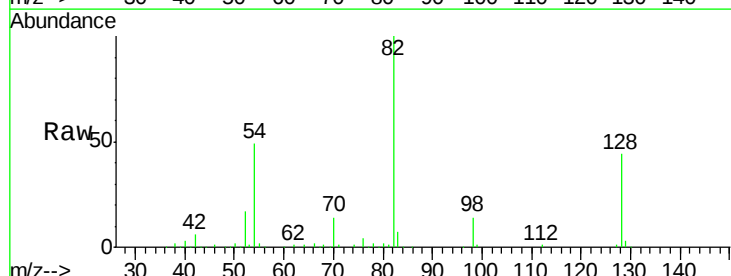
Instrument :
 BNA_F
 ClientSampleId :
 PB87340BL

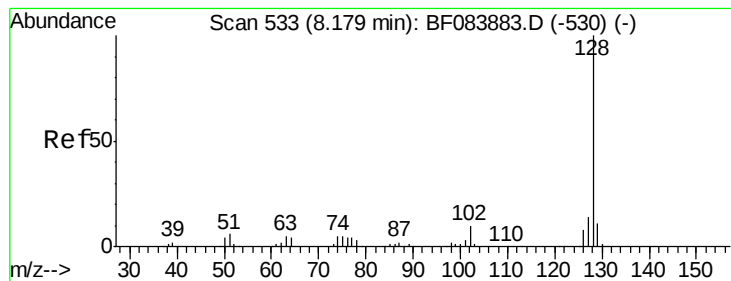
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.6	51.8
54	48.7	38.4	57.6



#25
 Isophorone
 Concen: 34.63 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.27 min
 Lab File: BF083912.D
 Acq: 18 Dec 2015 14:53

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





#31

Naphthalene

Concen: Below Cal

RT: 8.27 min Scan# 541

Delta R.T. 0.09 min

Lab File: BF083912.D

Acq: 18 Dec 2015 14:53

Instrument :

BNA_F

ClientSampleId :

PB87340BL

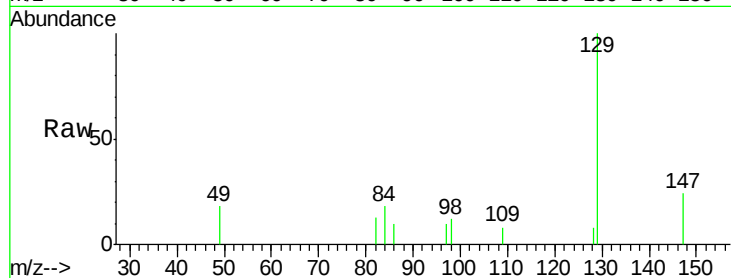
Tgt Ion:128 Resp: 240

Ion Ratio Lower Upper

128 100

129 1215.7 9.1 13.7#

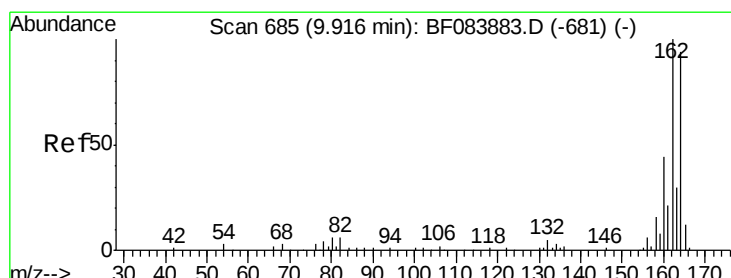
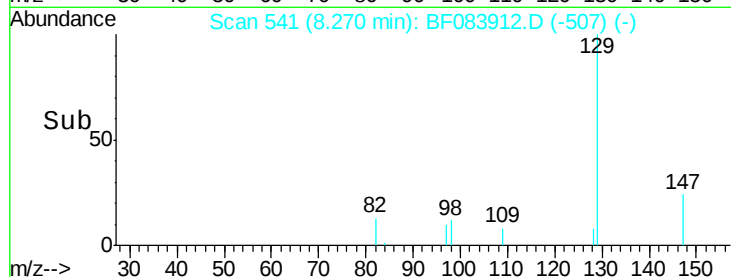
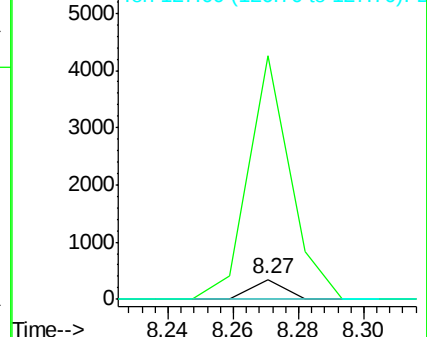
127 0.0 11.1 16.7#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF083912.D

Acq: 18 Dec 2015 14:53

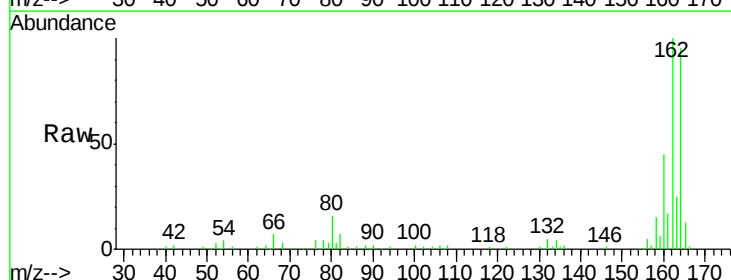
Tgt Ion:164 Resp: 110235

Ion Ratio Lower Upper

164 100

162 105.6 85.1 127.7

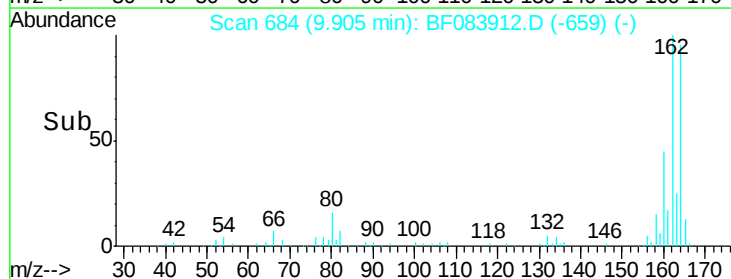
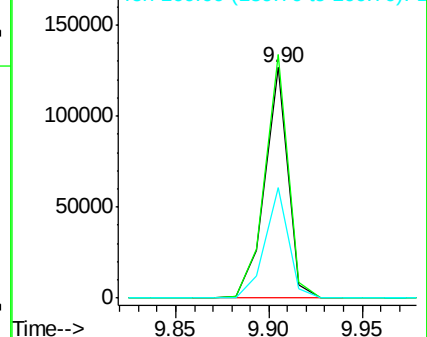
160 47.8 37.5 56.3

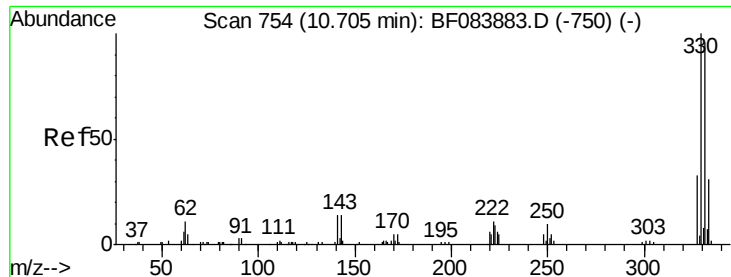


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

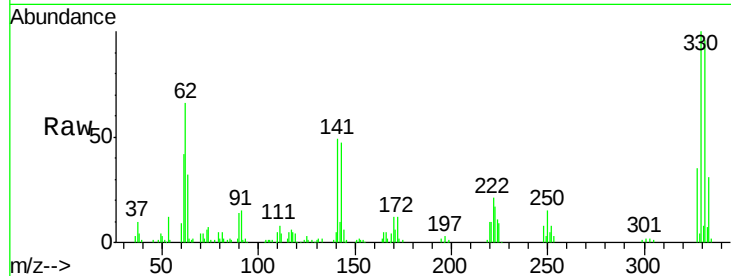




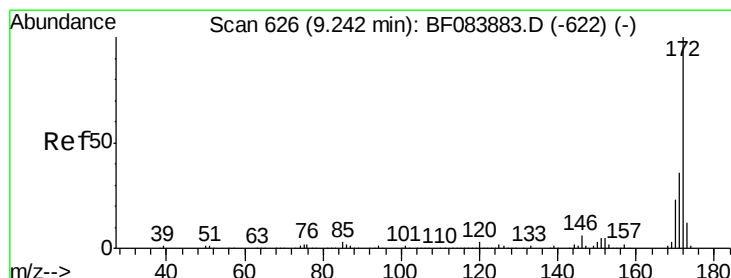
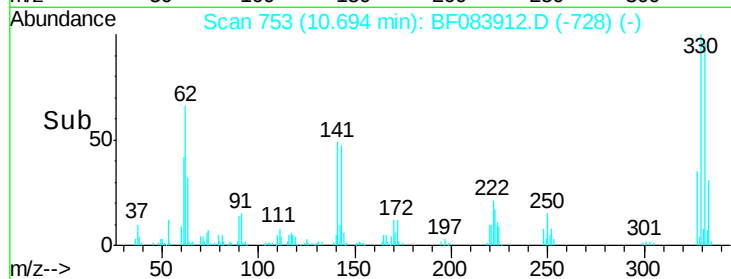
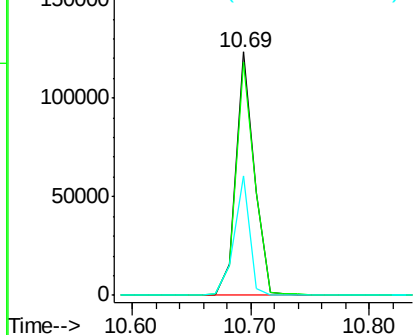
#41
 2,4,6-Tribromophenol
 Concen: 110.05 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: BF083912.D
 Acq: 18 Dec 2015 14:53

Instrument :
 BNA_F
 ClientSampleId :
 PB87340BL

Tgt Ion:330 Resp: 133642
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 114.8
 141 41.3 27.8 41.6

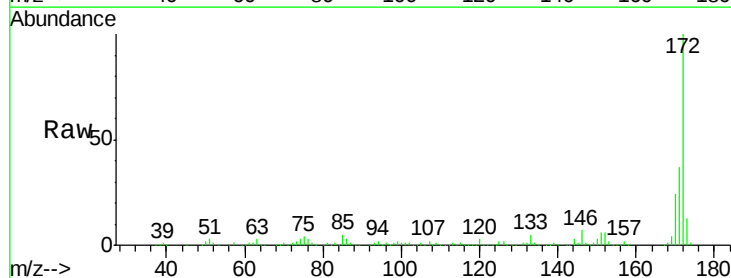


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

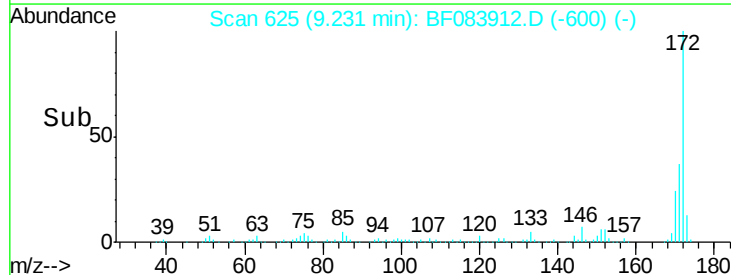
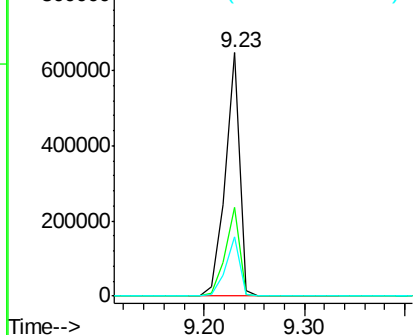


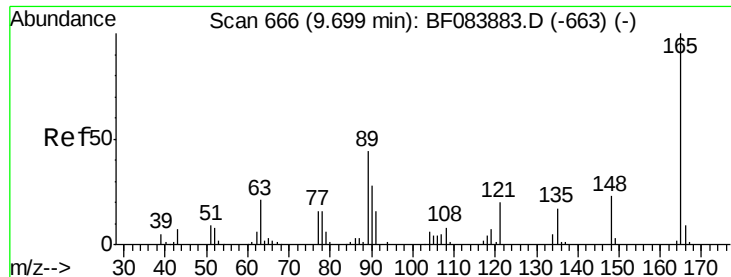
#44
 2-Fluorobiphenyl
 Concen: 81.01 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF083912.D
 Acq: 18 Dec 2015 14:53

Tgt Ion:172 Resp: 640680
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.9 43.3
 170 24.3 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

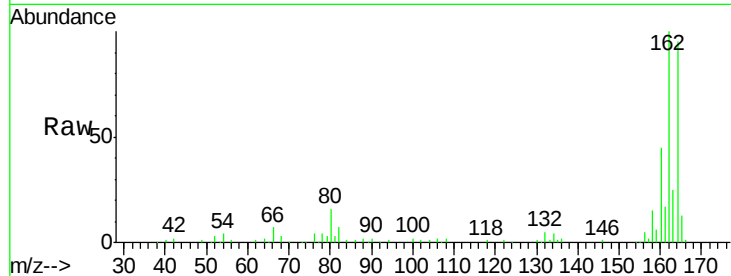




#50
 2,6-Dinitrotoluene
 Concen: 7.16 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.21 min
 Lab File: BF083912.D
 Acq: 18 Dec 2015 14:53

Instrument :
 BNA_F
 ClientSampleId :
 PB87340BL

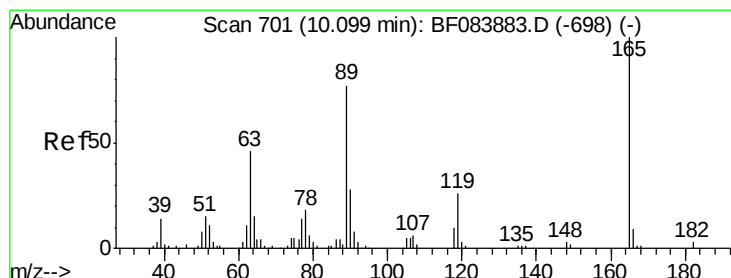
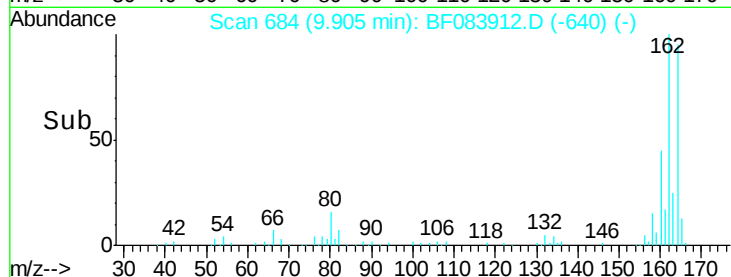
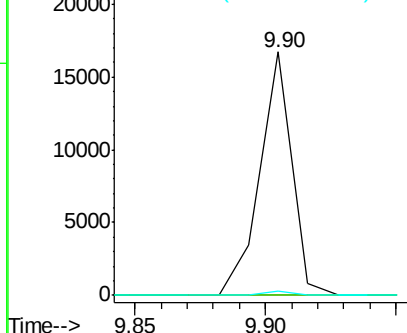
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.8	43.2#
89	1.8	35.1	52.7#



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



#56
 2,4-Dinitrotoluene
 Concen: 5.59 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.19 min
 Lab File: BF083912.D
 Acq: 18 Dec 2015 14:53

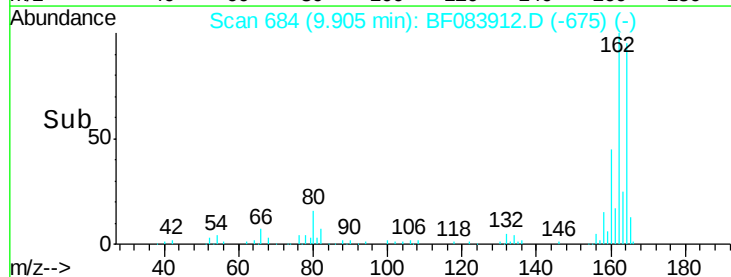
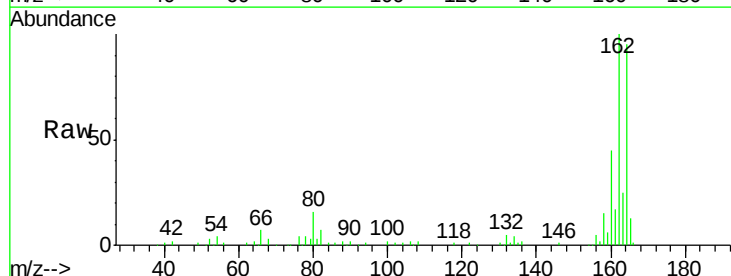
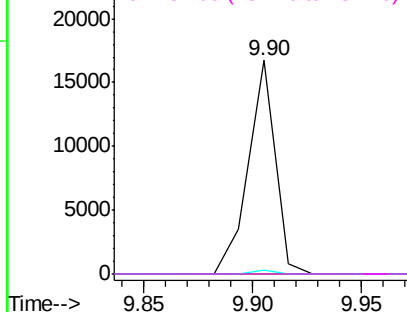
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.7	55.1#
89	1.8	61.9	92.9#
182	0.0	2.0	3.0#

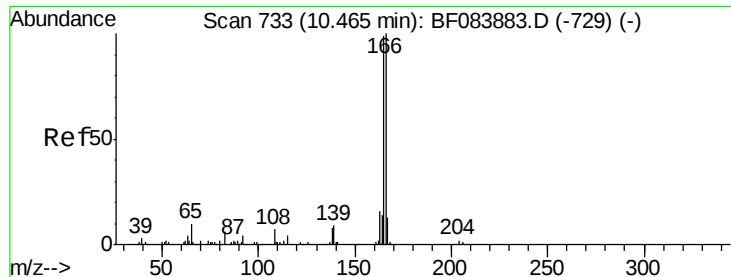
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.69 min Scan# 753

Delta R.T. 0.23 min

Lab File: BF083912.D

Acq: 18 Dec 2015 14:53

Instrument :

BNA_F

ClientSampleId :

PB87340BL

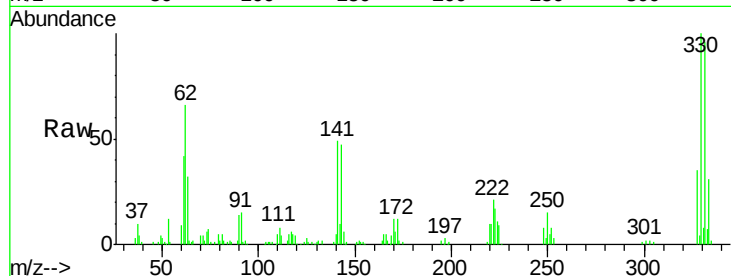
Tgt Ion:166 Resp: 5866

Ion Ratio Lower Upper

166 100

165 104.4 79.1 118.7

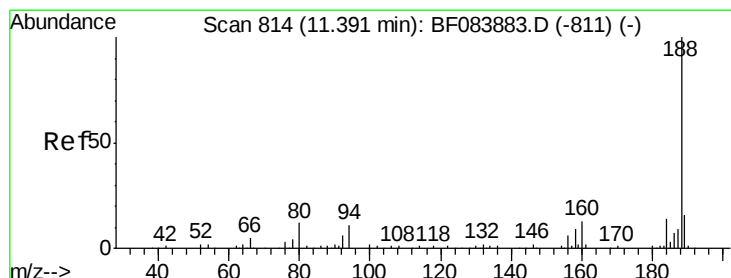
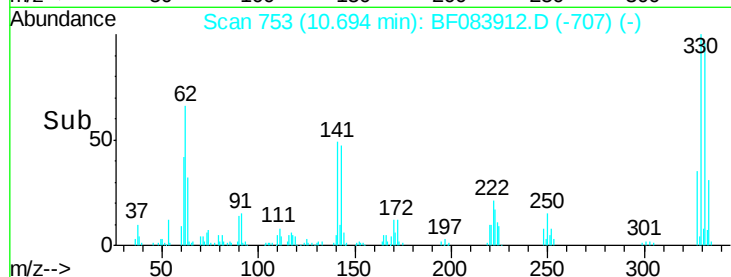
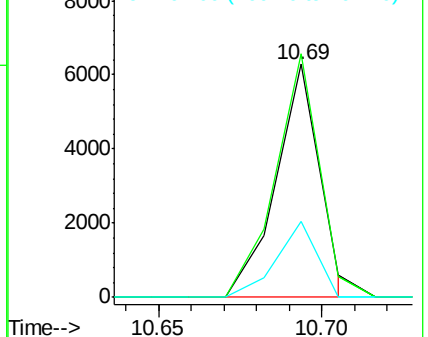
167 32.4 10.4 15.6#



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: 11.39 min Scan# 814

Delta R.T. 0.00 min

Lab File: BF083912.D

Acq: 18 Dec 2015 14:53

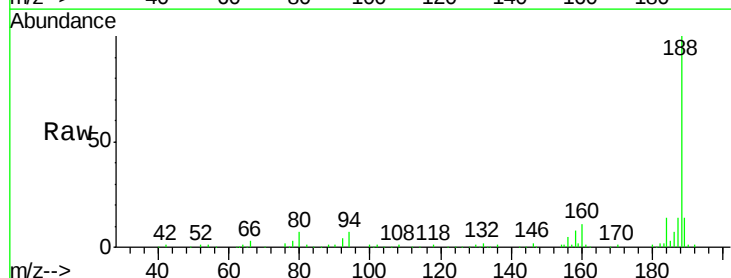
Tgt Ion:188 Resp: 208842

Ion Ratio Lower Upper

188 100

94 6.6 9.0 13.4#

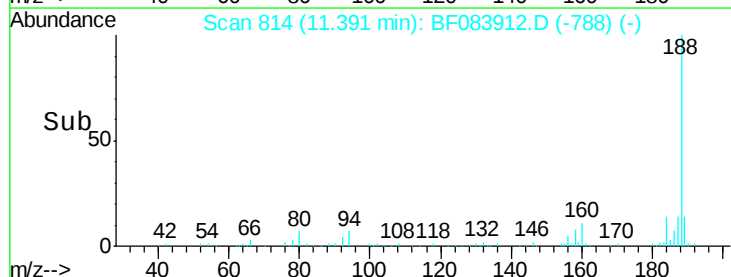
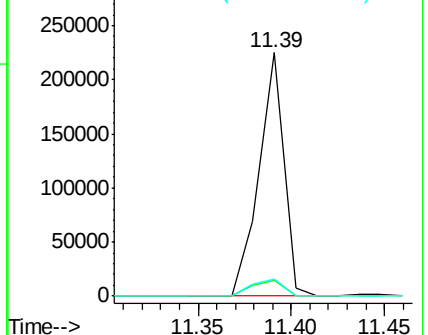
80 7.2 9.6 14.4#

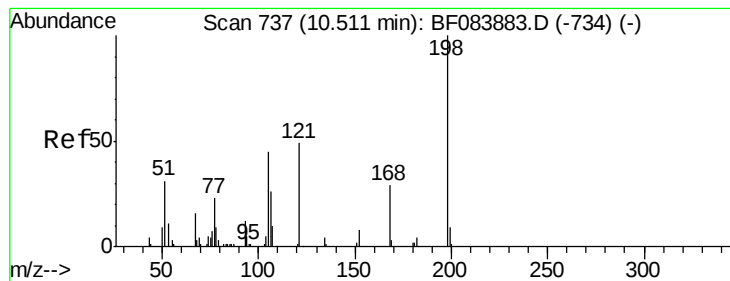


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.08 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.18 min

Lab File: BF083912.D

Acq: 18 Dec 2015 14:53

Instrument :

BNA_F

ClientSampleId :

PB87340BL

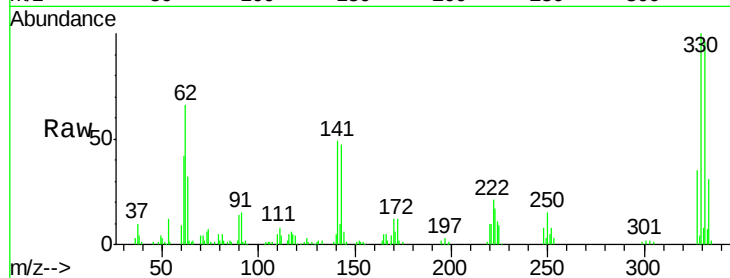
Tgt Ion:198 Resp: 213

Ion Ratio Lower Upper

198 100

51 261.9 18.9 58.9#

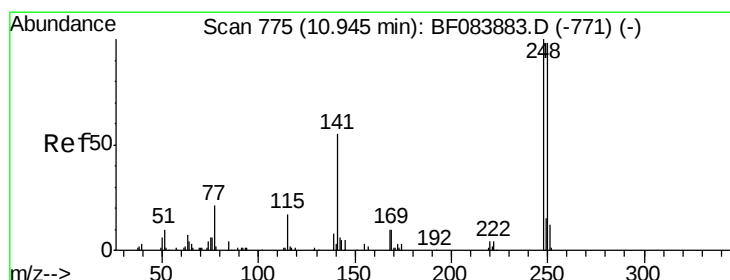
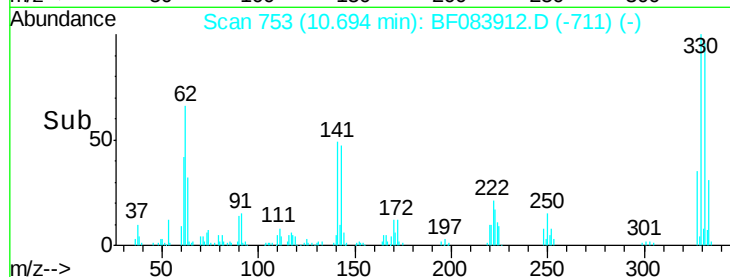
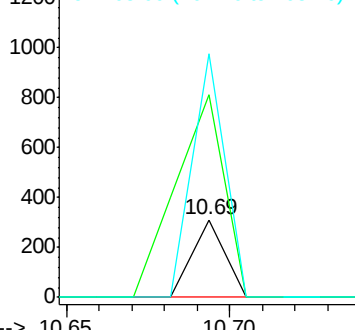
105 314.8 26.4 66.4#



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: 3.49 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.25 min

Lab File: BF083912.D

Acq: 18 Dec 2015 14:53

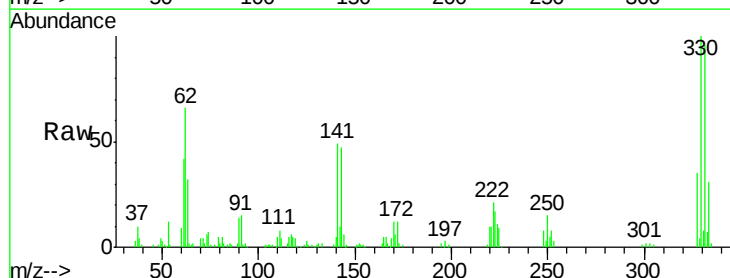
Tgt Ion:248 Resp: 8922

Ion Ratio Lower Upper

248 100

250 195.6 78.4 117.6#

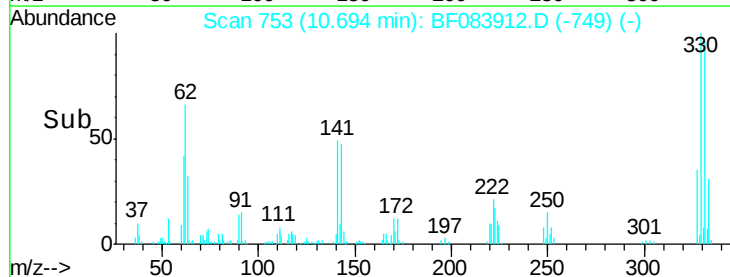
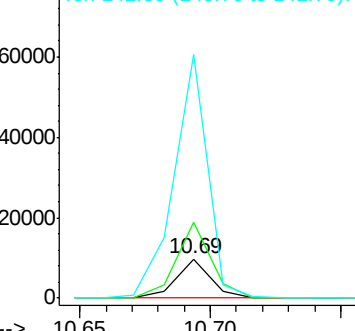
141 624.4 44.0 66.0#

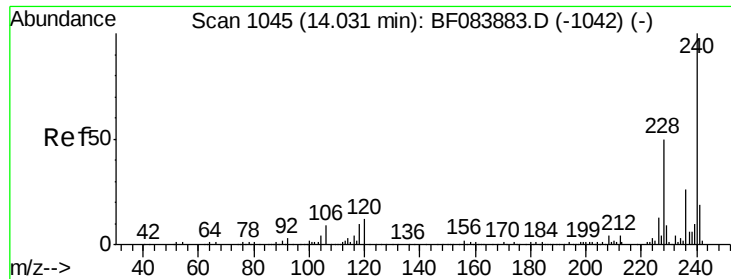


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.03 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BF083912.D

Acq: 18 Dec 2015 14:53

Instrument :

BNA_F

ClientSampleId :

PB87340BL

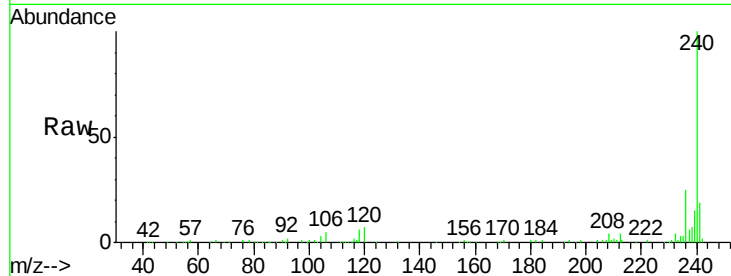
Tgt Ion:240 Resp: 183337

Ion Ratio Lower Upper

240 100

120 6.7 9.5 14.3#

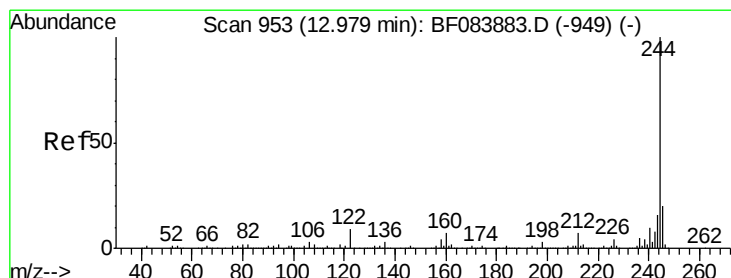
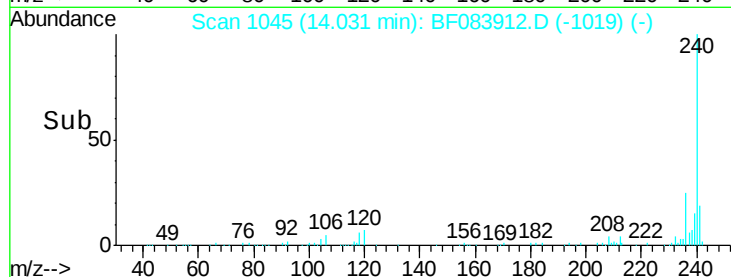
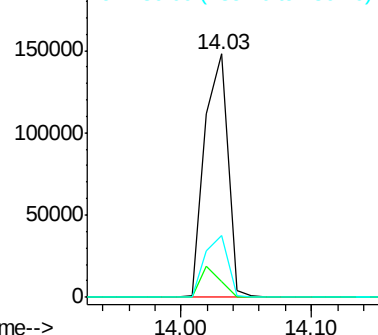
236 25.2 20.6 31.0



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: 88.92 ng

RT: 12.98 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF083912.D

Acq: 18 Dec 2015 14:53

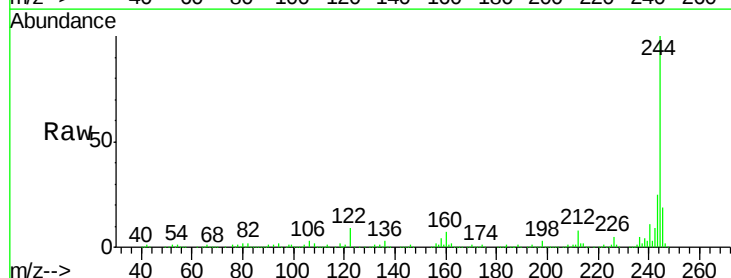
Tgt Ion:244 Resp: 694990

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

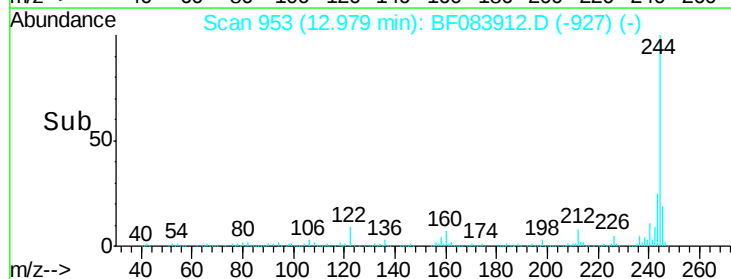
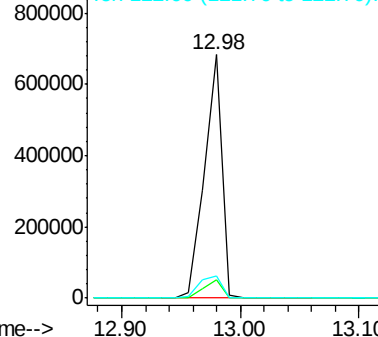
122 9.3 7.4 11.0

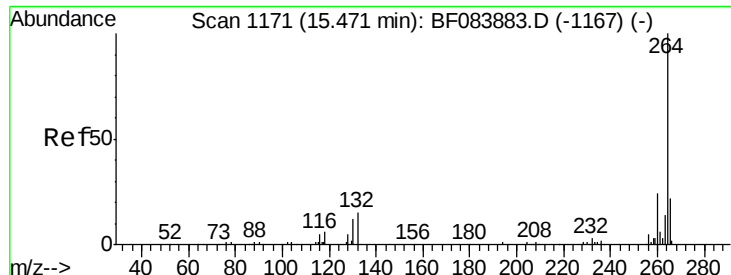


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

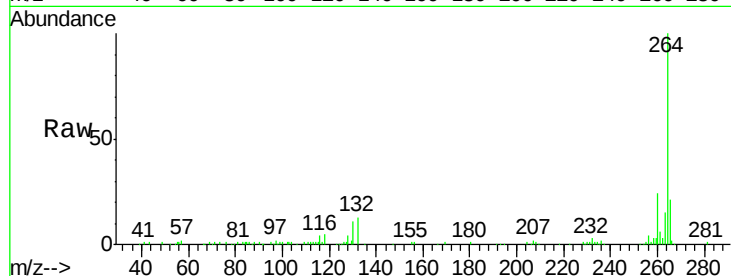




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BF083912.D
Acq: 18 Dec 2015 14:53

Instrument :
BNA_F
ClientSampleId :
PB87340BL

Tgt Ion: 264 Resp: 140206
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 21.5 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

