

Data Path : U:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084510.D
 Acq On : 16 Jan 2016 00:41
 Operator : SJ/UM
 Sample : H1148-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 03:24:48 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 16 03:20:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	273073	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	1110606	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	472825	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	850421	20.00	ng	0.00
75) Chrysene-d12	13.99	240	652709	20.00	ng	0.00
86) Perylene-d12	15.40	264	563277	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1147461	67.97	ng	0.00
7) Phenol-d6	6.46	99	1002523	47.28	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1875217	93.97	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	739454	154.91	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	3220082	122.60	ng	0.00
78) Terphenyl-d14	12.93	244	2444741	83.61	ng	0.00

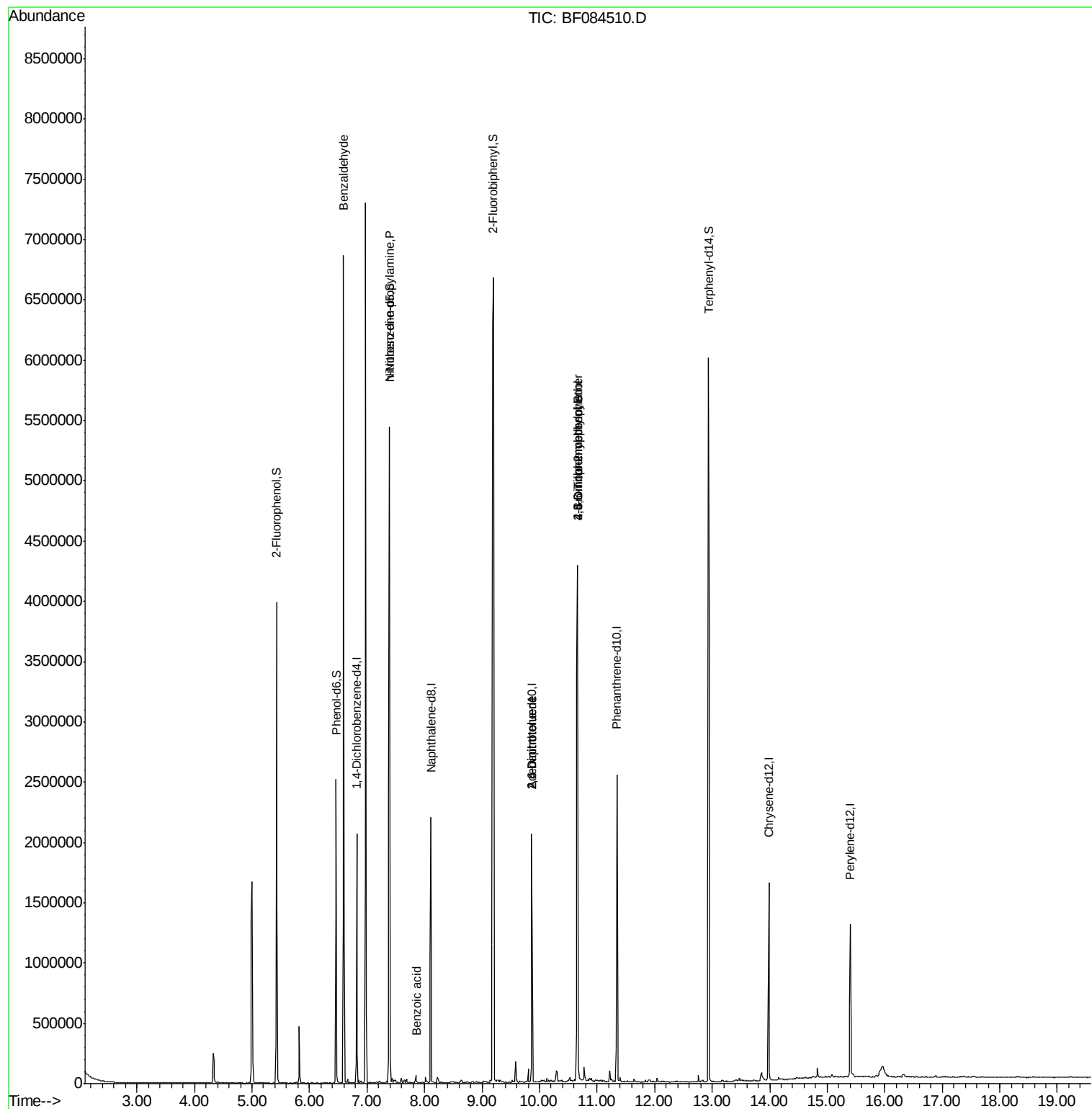
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.59	77	43790	3.17	ng	# 73
19) n-Nitroso-di-n-propylamine	7.39	70	268245	18.69	ng	# 72
32) Benzoic acid	7.86	122	211	6.26	ng	# 29
50) 2,6-Dinitrotoluene	9.86	165	61238	8.26	ng	# 37
54) Dibenzofuran	10.06	168	623	Below Cal		# 45
56) 2,4-Dinitrotoluene	9.86	165	61242	6.53	ng	# 21
57) Fluorene	10.19	166	1740	Below Cal		# 8
64) 4,6-Dinitro-2-methylphenol	10.66	198	1999	6.71	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	48836	5.34	ng	# 1
73) Di-n-butylphthalate	11.92	149	8750	Below Cal		# 96

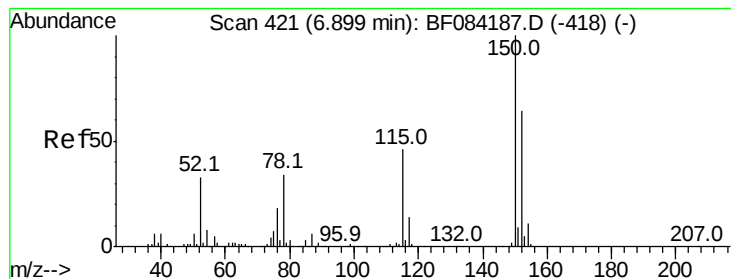
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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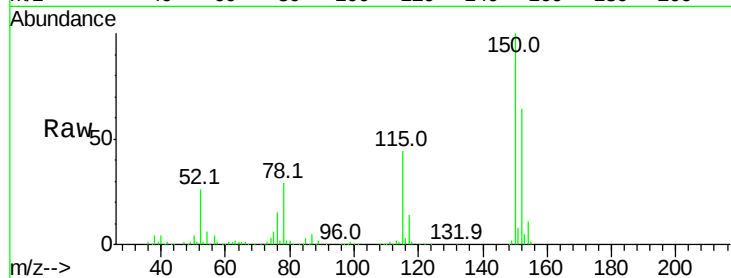


#1

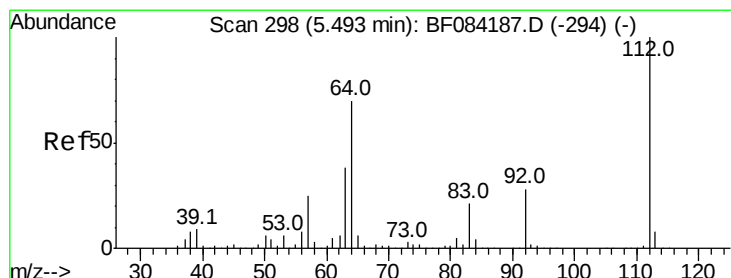
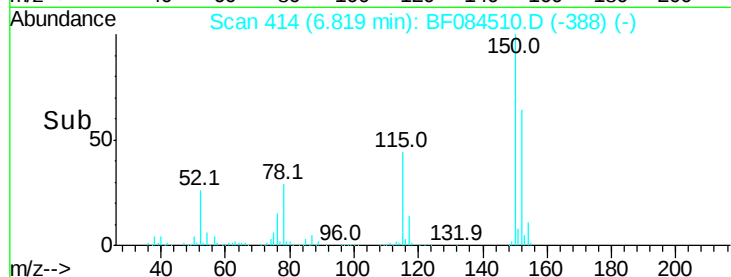
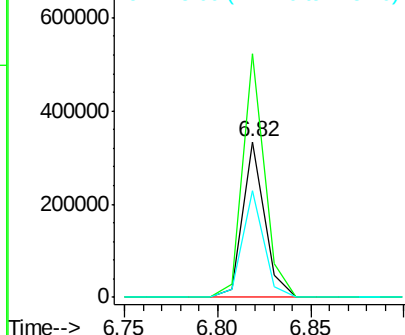
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. -0.00 min
Lab File: BF084510.D
Acq: 16 Jan 2016 00:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 273073
Ion Ratio Lower Upper
152 100
150 156.3 123.0 184.4
115 68.6 51.4 77.2



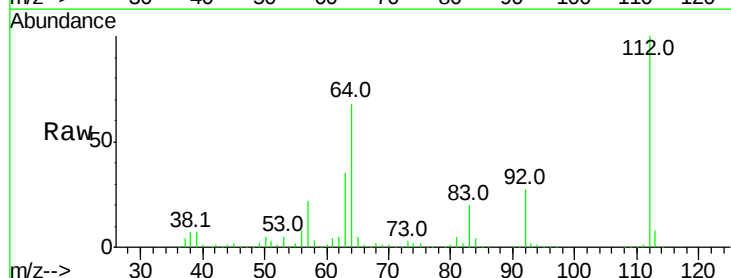
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



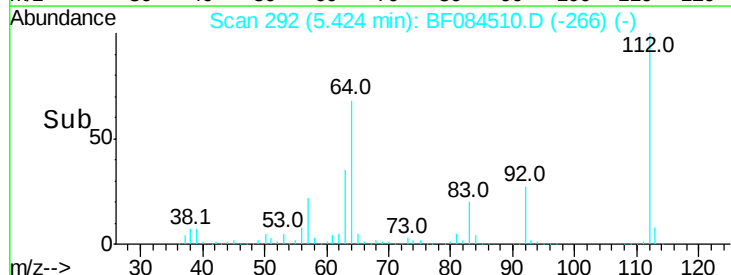
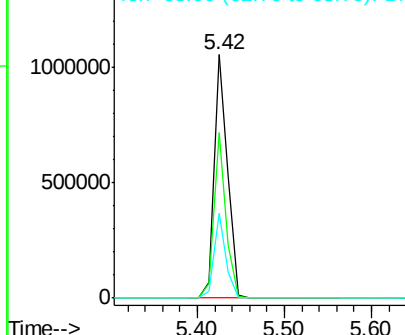
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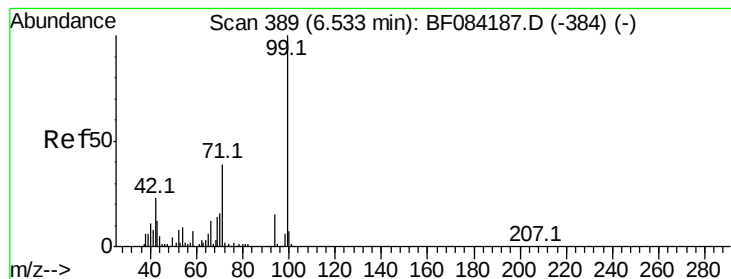
2-Fluorophenol
Concen: 67.97 ng
RT: 5.42 min Scan# 292
Delta R.T. -0.00 min
Lab File: BF084510.D
Acq: 16 Jan 2016 00:41

Tgt Ion:112 Resp: 1147461
Ion Ratio Lower Upper
112 100
64 68.0 36.6 55.0#
63 34.8 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: 47.28 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF084510.D

Acq: 16 Jan 2016 00:41

Instrument :

BNA_F

ClientSampleId :

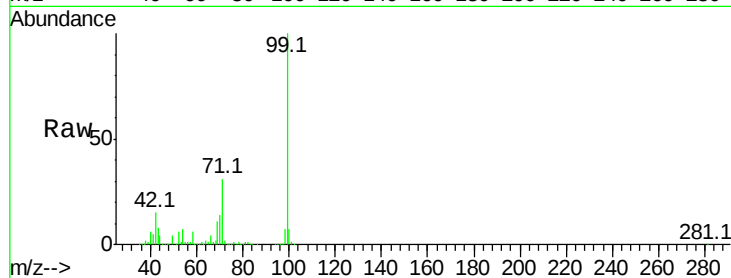
Tot Ion: 99 Resp: 1002523

Ion Ratio Lower Upper

99 100

42 15.4 12.8 19.2

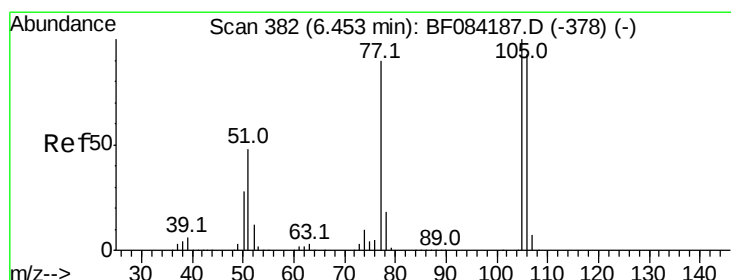
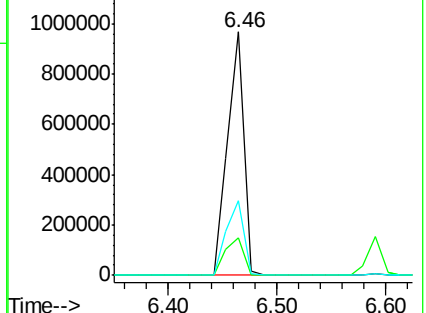
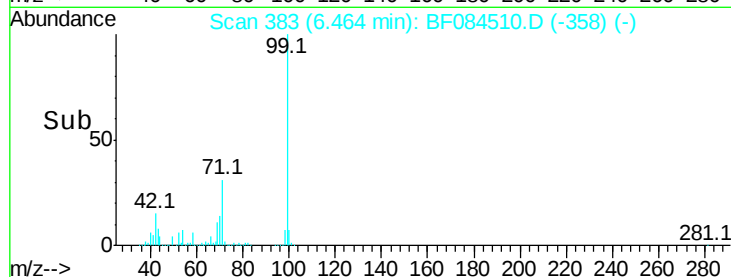
71 30.9 30.9 46.3



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: 3.17 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.22 min

Lab File: BF084510.D

Acq: 16 Jan 2016 00:41

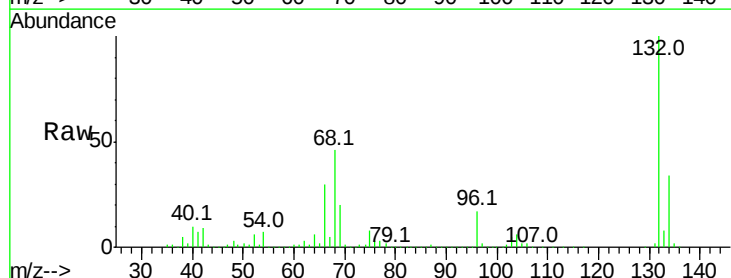
Tgt Ion: 77 Resp: 43790

Ion Ratio Lower Upper

77 100

105 76.3 83.0 123.0#

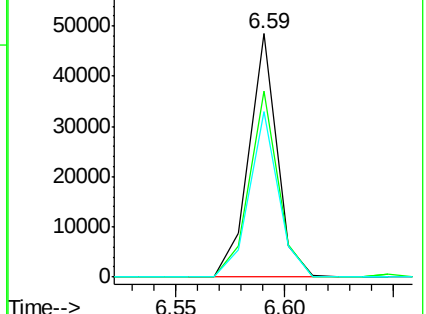
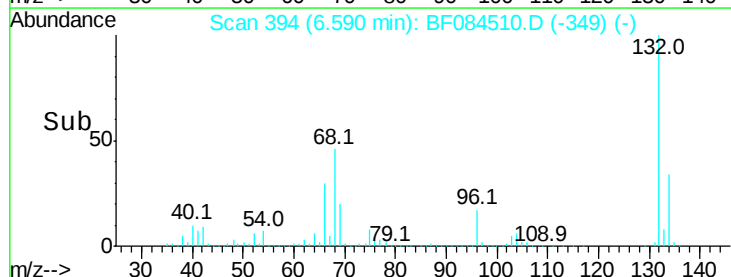
106 68.0 74.6 114.6#

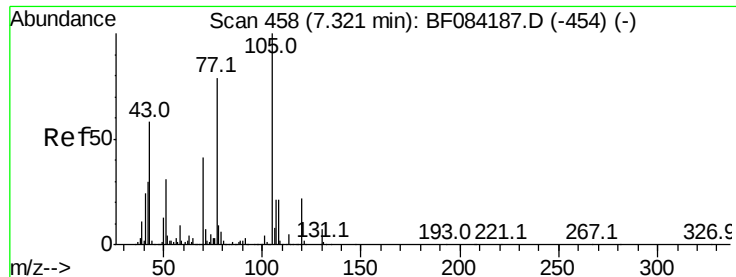


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

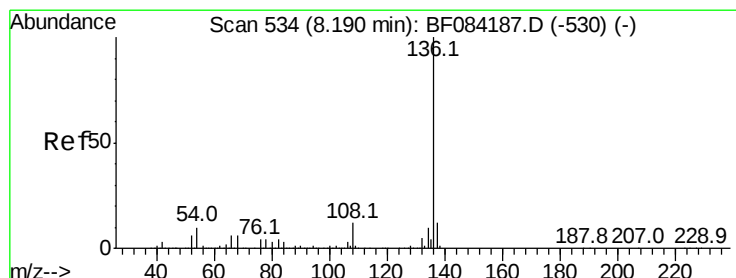
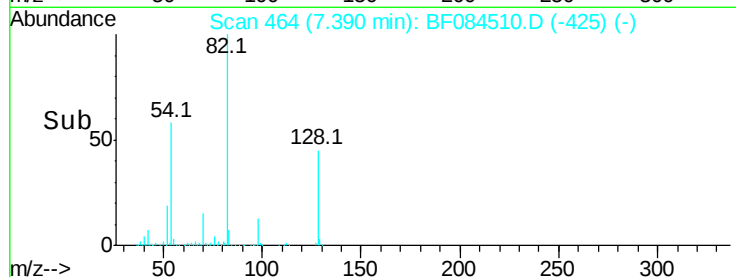
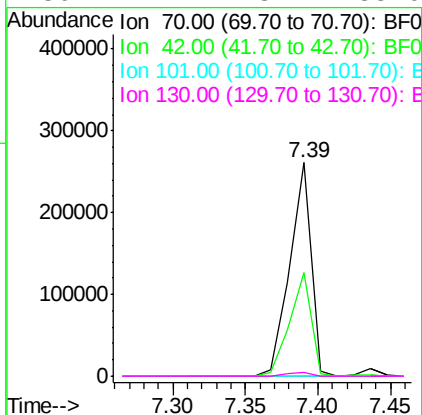
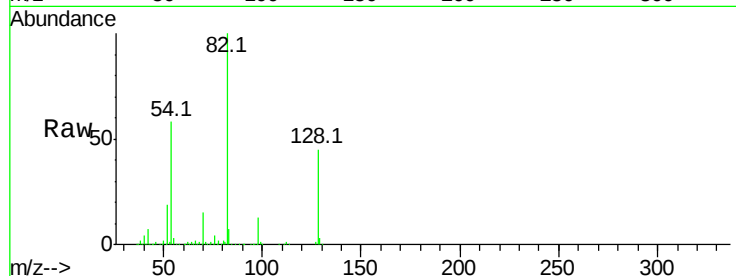




#19
n-Nitroso-di-n-propylamine
Concen: 18.69 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.15 min
Lab File: BF084510.D
Acq: 16 Jan 2016 00:41

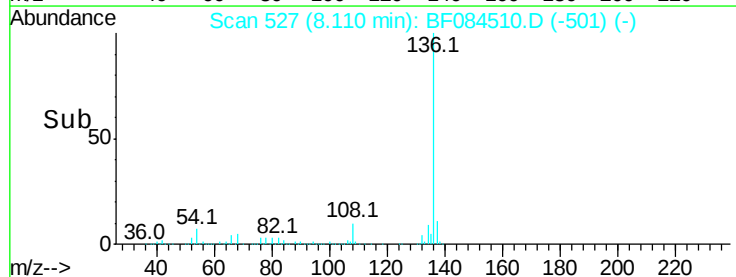
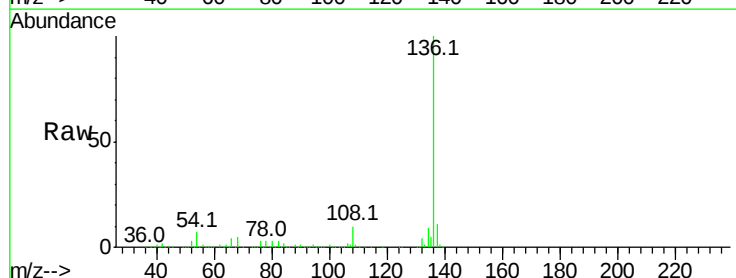
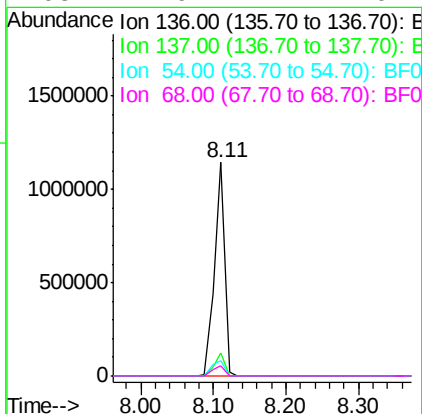
Instrument :
BNA_F
ClientSampleId :

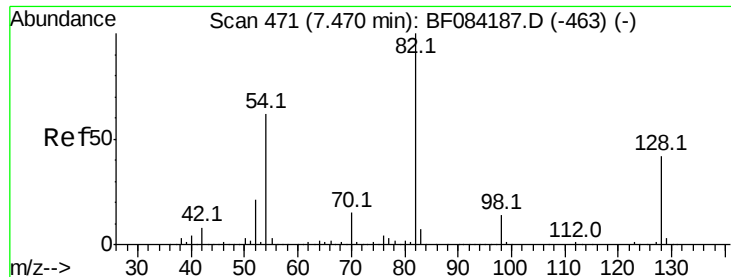
Tot Ion	Ratio	Lower	Upper
70	100		
42	48.6	33.3	49.9
101	0.0	9.3	13.9#
130	2.1	23.4	35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF084510.D
Acq: 16 Jan 2016 00:41

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.0	5.8	8.8
68	4.6	4.2	6.2





#23

Nitrobenzene-d5

Concen: 93.97 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF084510.D

Acq: 16 Jan 2016 00:41

Instrument :

BNA_F

ClientSampled :

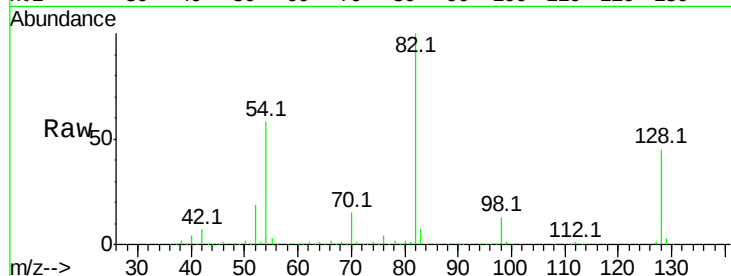
Tot Ion: 82 Resp: 1875217

Ion Ratio Lower Upper

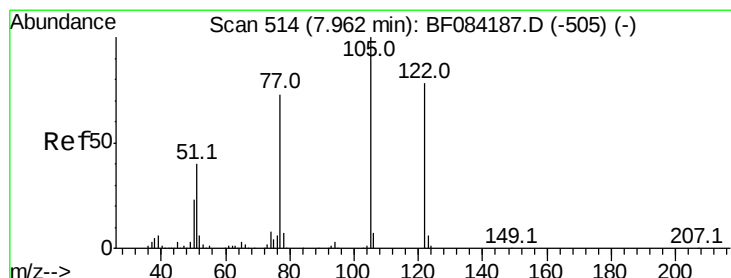
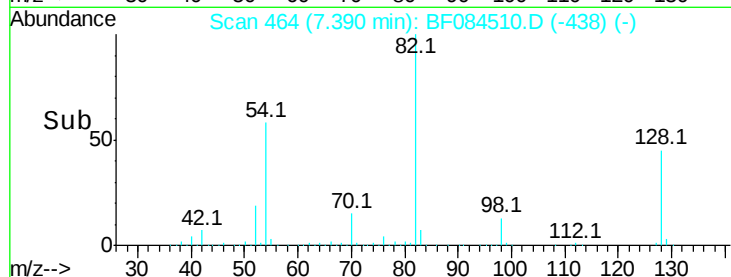
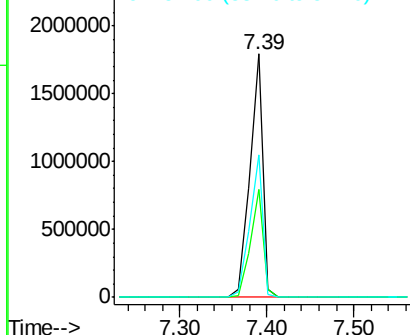
82 100

128 44.5 34.6 51.8

54 58.3 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



#32

Benzoic acid

Concen: 6.26 ng

RT: 7.86 min Scan# 505

Delta R.T. -0.05 min

Lab File: BF084510.D

Acq: 16 Jan 2016 00:41

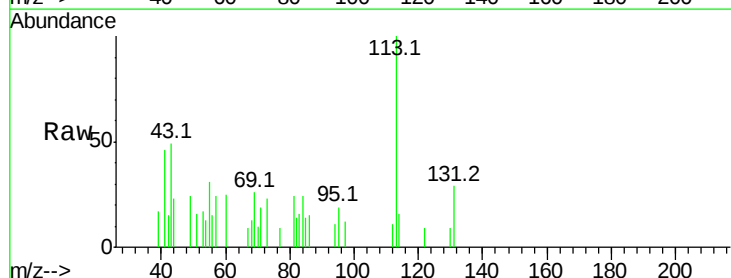
Tgt Ion:122 Resp: 211

Ion Ratio Lower Upper

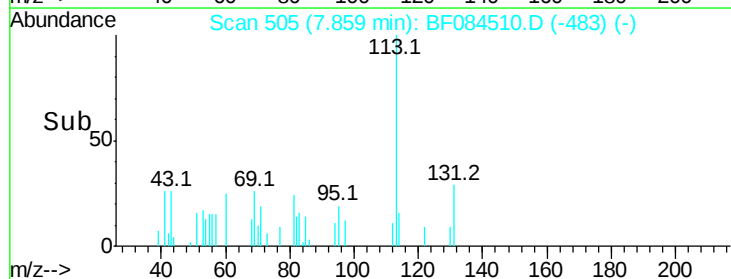
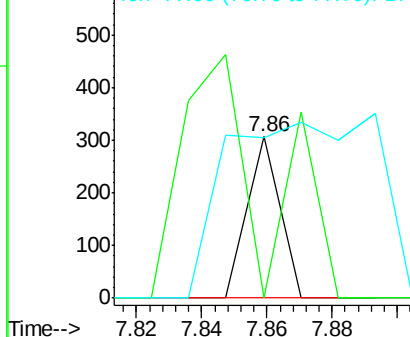
122 100

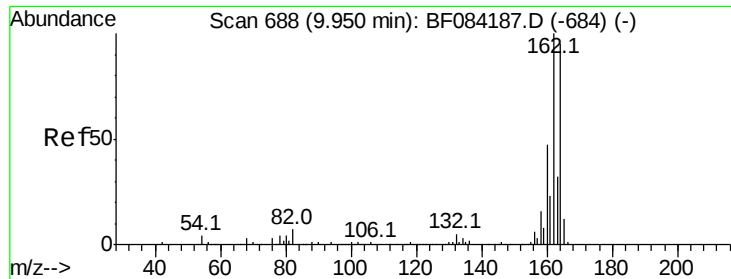
105 0.0 100.3 140.3#

77 99.0 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

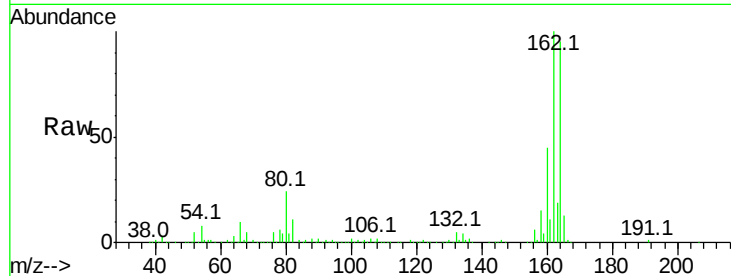




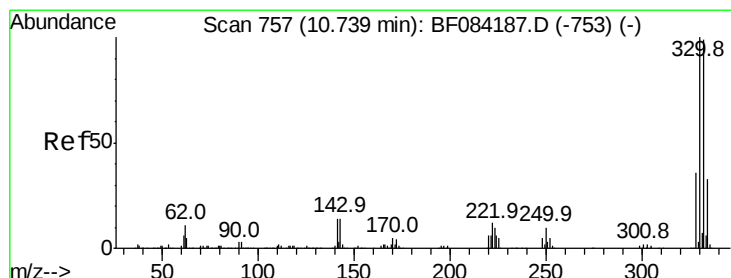
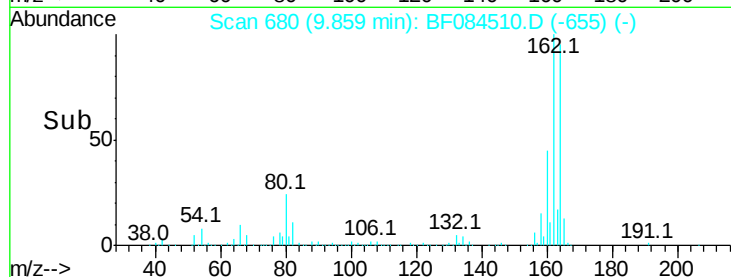
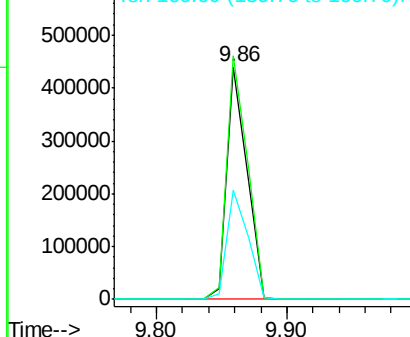
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF084510.D
Acq: 16 Jan 2016 00:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 472825
Ion Ratio Lower Upper
164 100
162 104.8 85.1 127.7
160 47.1 37.5 56.3

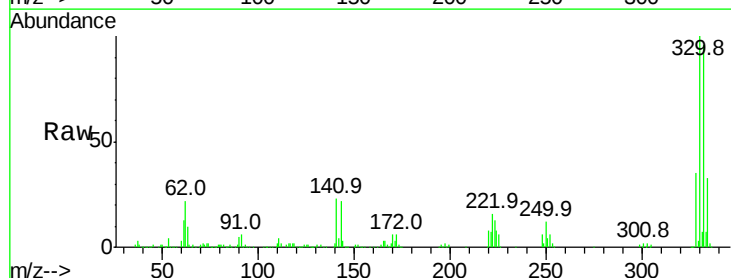


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

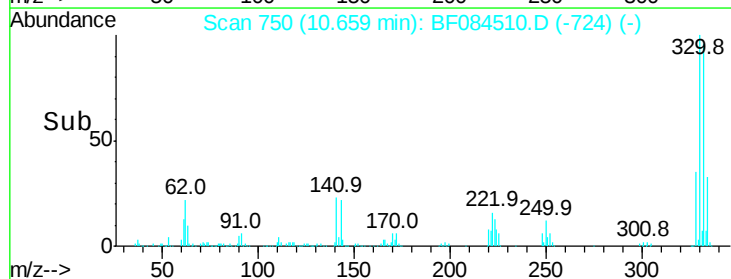
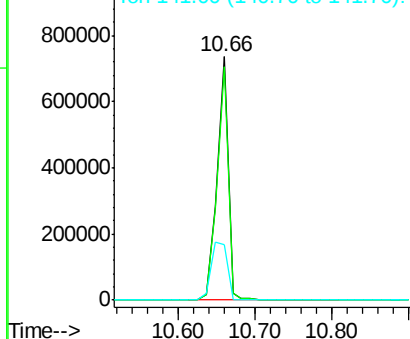


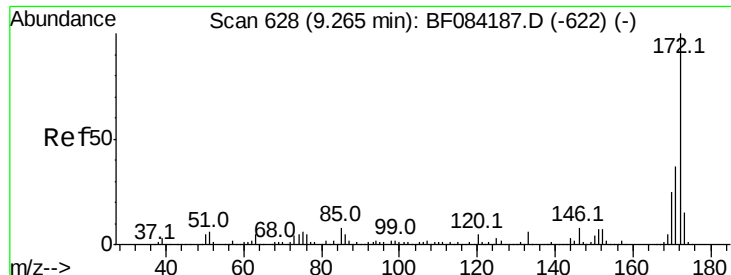
#41
2,4,6-Tribromophenol
Concen: 154.91 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.00 min
Lab File: BF084510.D
Acq: 16 Jan 2016 00:41

Tgt Ion:330 Resp: 739454
Ion Ratio Lower Upper
330 100
332 96.7 76.6 114.8
141 34.4 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



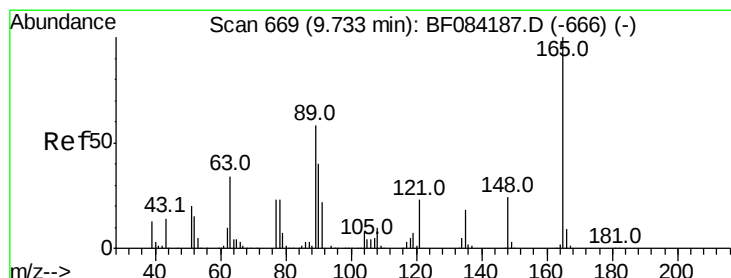
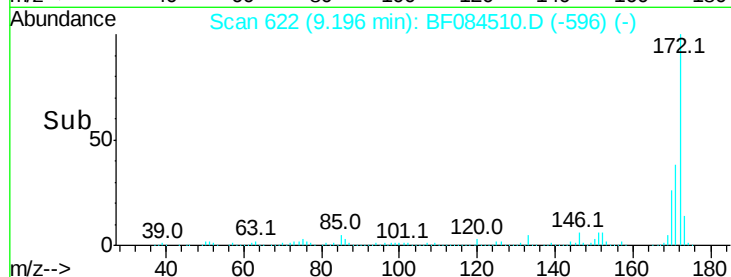
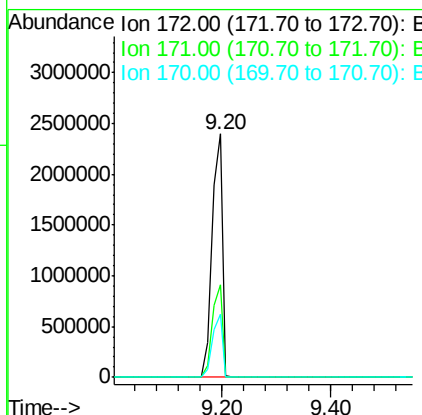
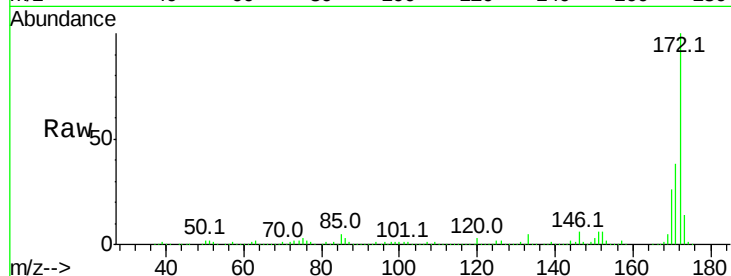


#44
 2-Fluorobiphenyl
 Concen: 122.60 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF084510.D
 Acq: 16 Jan 2016 00:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 3220082

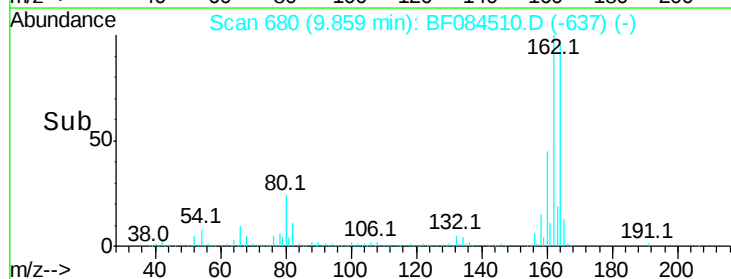
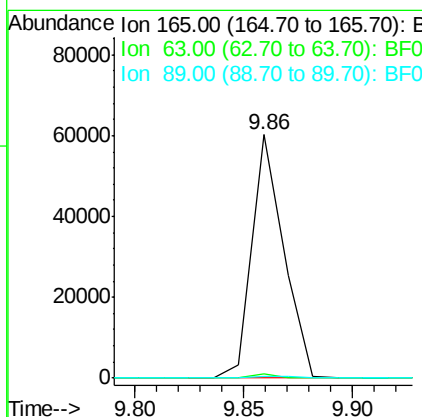
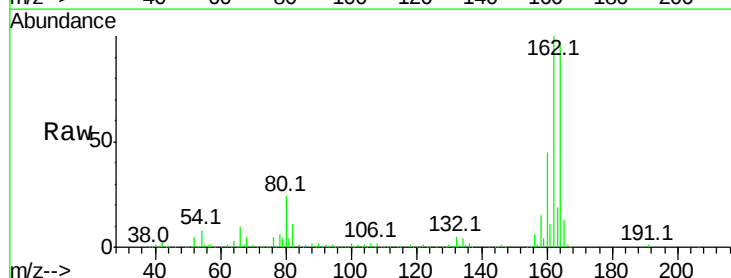
Ion	Ratio	Lower	Upper
172	100		
171	38.0	28.9	43.3
170	25.8	18.6	27.8

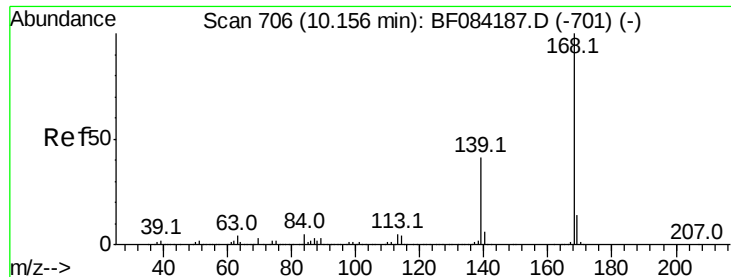


#50
 2,6-Dinitrotoluene
 Concen: 8.26 ng
 RT: 9.86 min Scan# 680
 Delta R.T. 0.19 min
 Lab File: BF084510.D
 Acq: 16 Jan 2016 00:41

Tgt Ion:165 Resp: 61238

Ion	Ratio	Lower	Upper
165	100		
63	1.7	28.8	43.2#
89	0.9	35.1	52.7#





#54

Dibenzofuran

Concen: Below Cal

RT: 10.06 min Scan# 698

Delta R.T. -0.01 min

Lab File: BF084510.D

Acq: 16 Jan 2016 00:41

Instrument :

BNA_F

ClientSampleId :

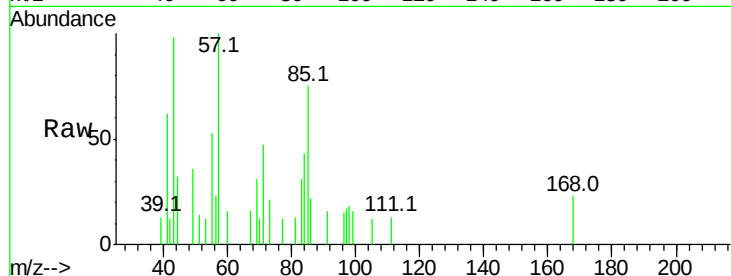
Tot Ion:168 Resp: 623

Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

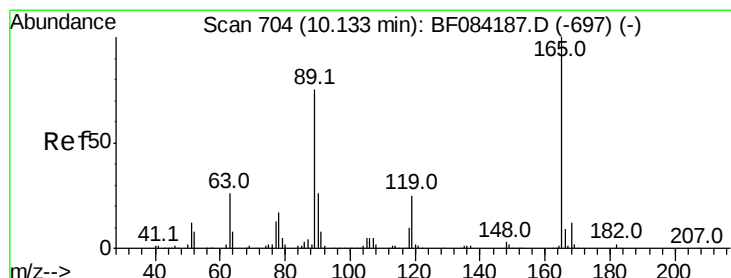
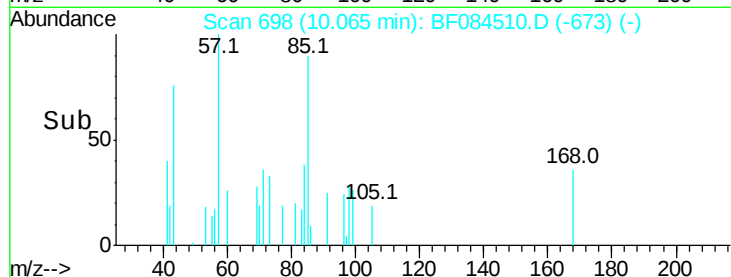
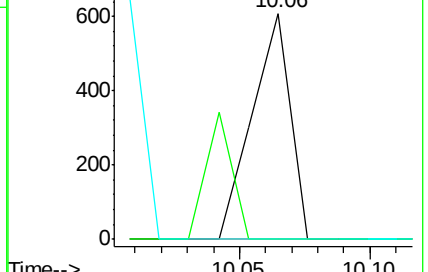
169 0.0 10.4 15.6#



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: 6.53 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.21 min

Lab File: BF084510.D

Acq: 16 Jan 2016 00:41

Tgt Ion:165 Resp: 61242

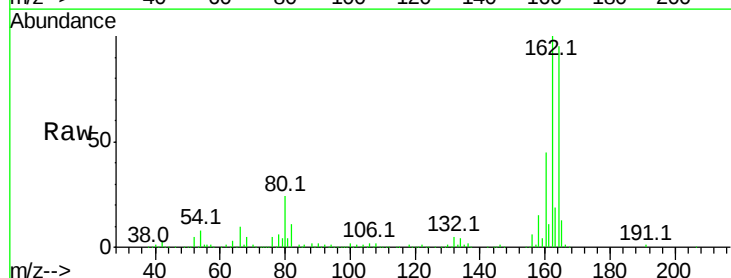
Ion Ratio Lower Upper

165 100

63 1.7 36.7 55.1#

89 0.9 61.9 92.9#

182 0.0 2.0 3.0#

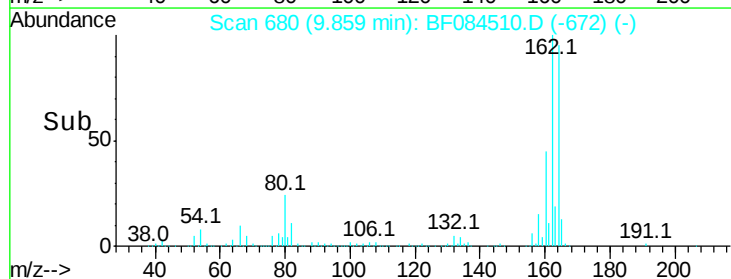
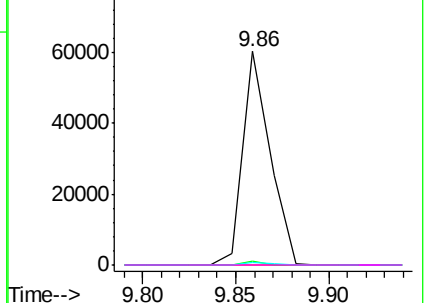


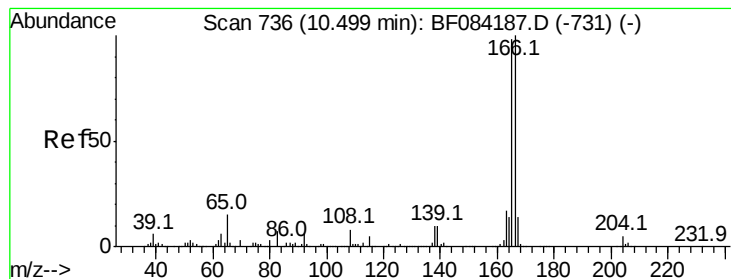
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.19 min Scan# 709

Delta R.T. -0.23 min

Lab File: BF084510.D

Acq: 16 Jan 2016 00:41

Instrument :

BNA_F

ClientSampleId :

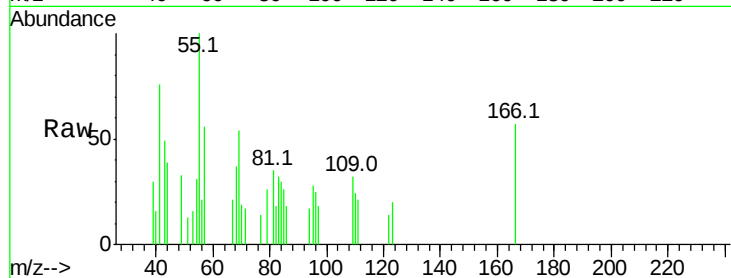
Tot Ion:166 Resp: 1740

Ion Ratio Lower Upper

166 100

165 0.0 79.1 118.7#

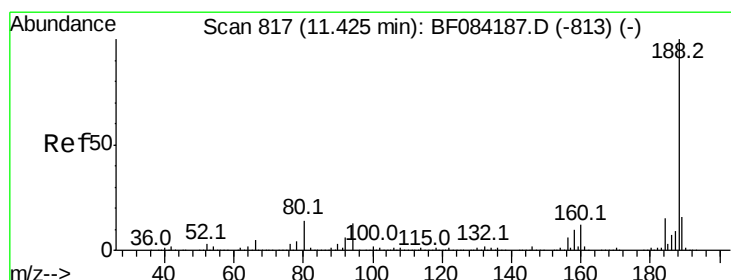
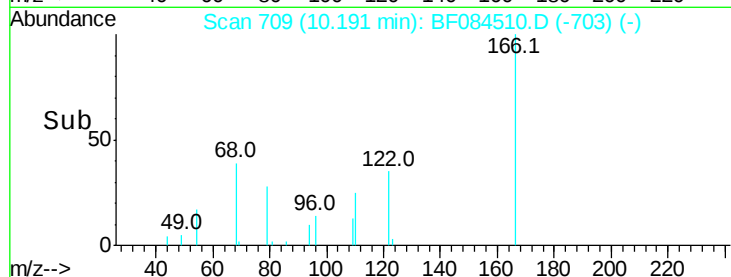
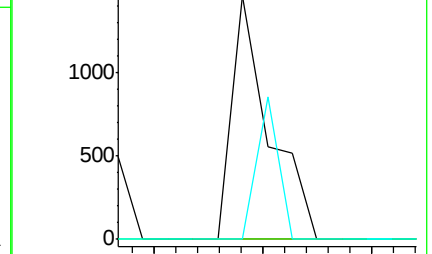
167 0.0 10.4 15.6#



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: 11.34 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF084510.D

Acq: 16 Jan 2016 00:41

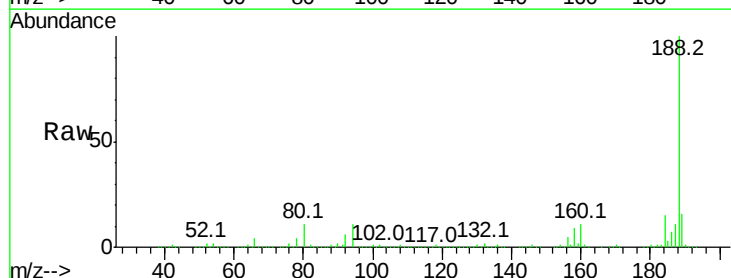
Tgt Ion:188 Resp: 850421

Ion Ratio Lower Upper

188 100

94 11.0 9.0 13.4

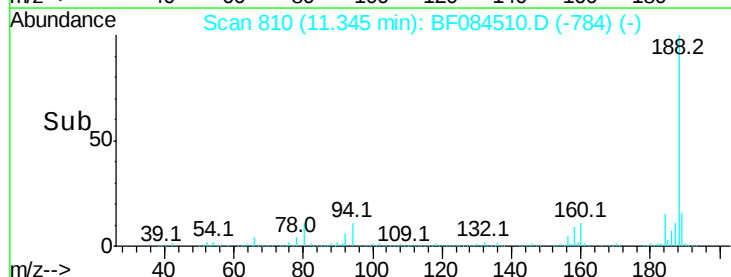
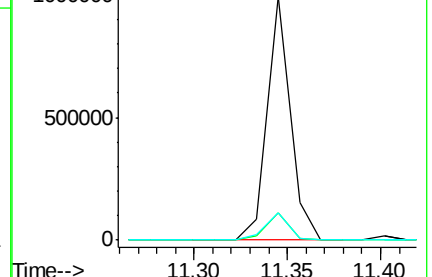
80 11.2 9.6 14.4

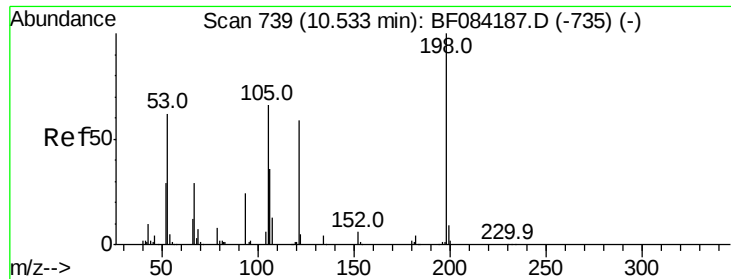


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.71 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.19 min

Lab File: BF084510.D

Acq: 16 Jan 2016 00:41

Instrument :

BNA_F

ClientSampled :

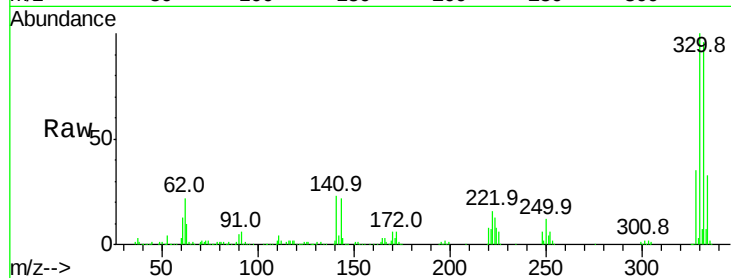
Tot Ion:198 Resp: 1999

Ion Ratio Lower Upper

198 100

51 82.6 18.9 58.9#

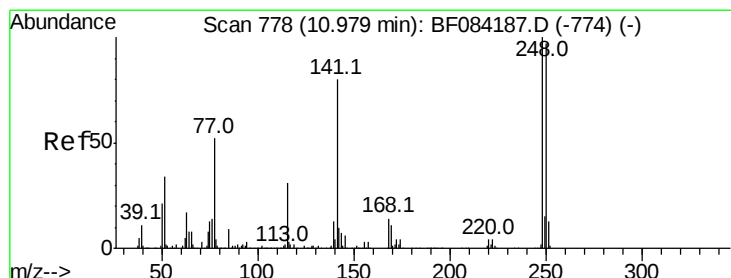
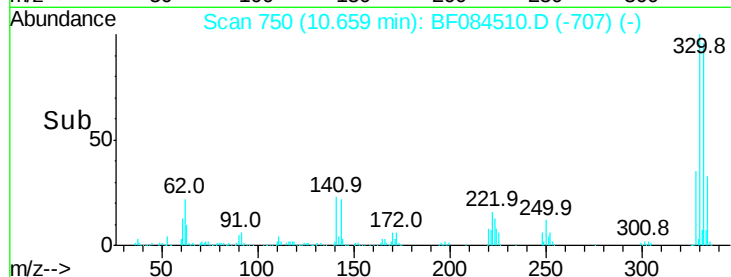
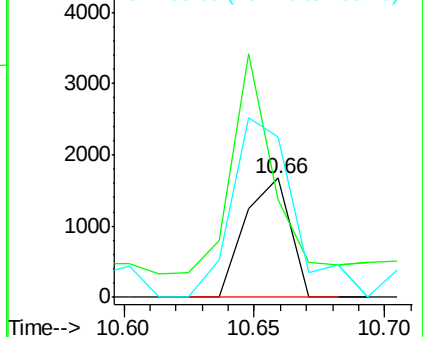
105 134.4 26.4 66.4#



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: 5.34 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.24 min

Lab File: BF084510.D

Acq: 16 Jan 2016 00:41

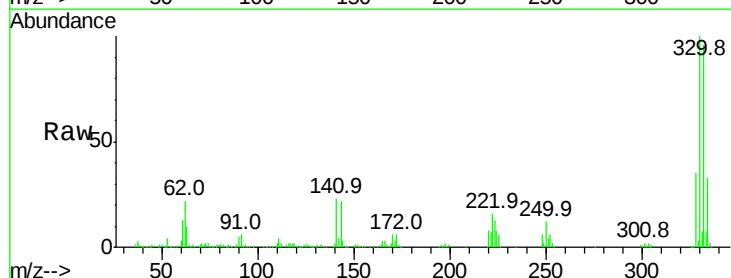
Tgt Ion:248 Resp: 48836

Ion Ratio Lower Upper

248 100

250 209.3 78.4 117.6#

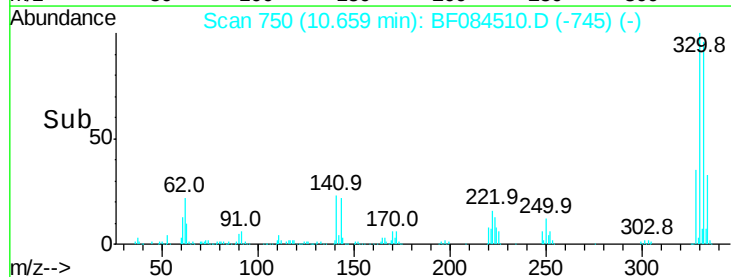
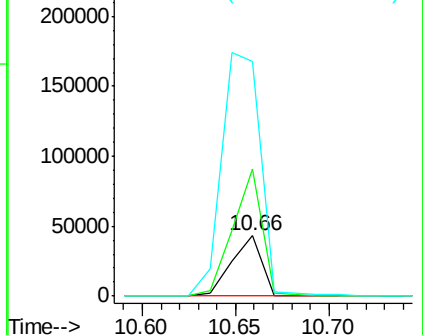
141 387.4 44.0 66.0#

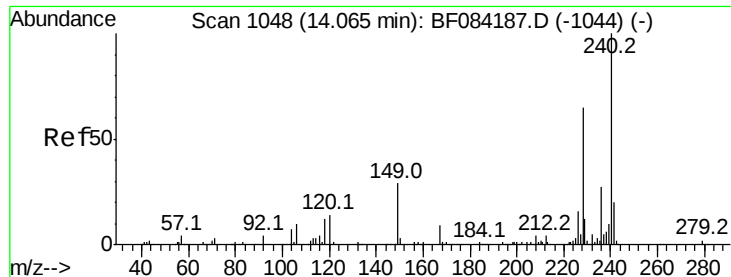


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.99 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF084510.D

Acq: 16 Jan 2016 00:41

Instrument :

BNA_F

ClientSampleId :

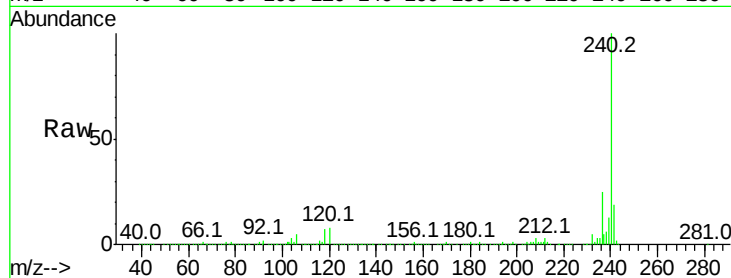
Tot Ion:240 Resp: 652709

Ion Ratio Lower Upper

240 100

120 8.4 9.5 14.3#

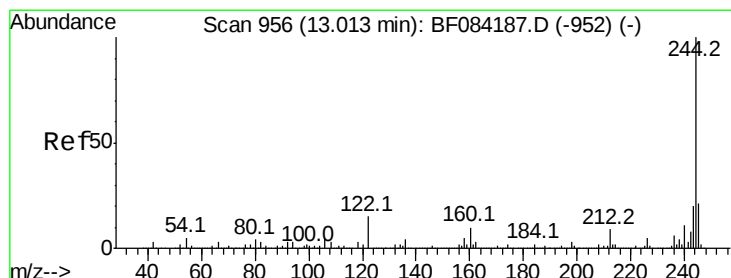
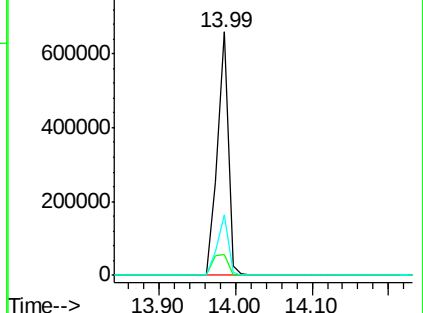
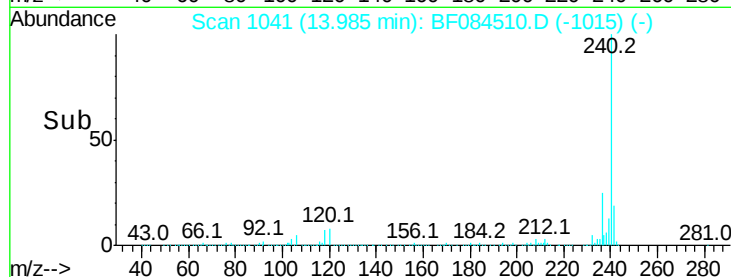
236 25.1 20.6 31.0



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: 83.61 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084510.D

Acq: 16 Jan 2016 00:41

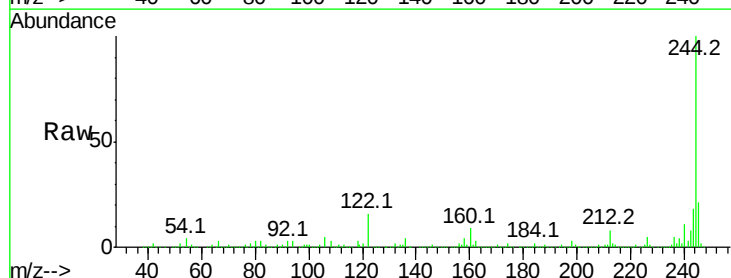
Tgt Ion:244 Resp: 2444741

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

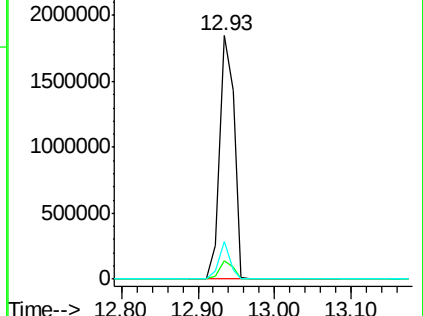
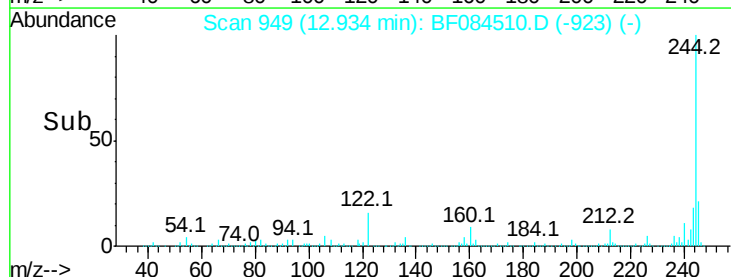
122 15.6 7.4 11.0#

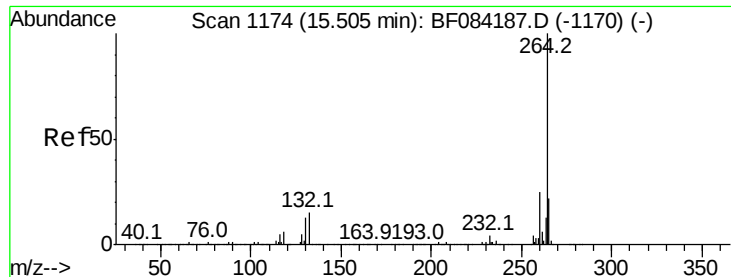


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: BF084510.D
 Acq: 16 Jan 2016 00:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 264 Resp: 563277
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.4 29.2
 265 22.3 17.8 26.6

