

Data Path : U:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084506.D
 Acq On : 15 Jan 2016 22:22
 Operator : SJ/UM
 Sample : H1147-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 01:38:10 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 01:26:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	269122	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	1131047	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	467720	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	810228	20.00	ng	0.00
75) Chrysene-d12	13.99	240	606498	20.00	ng	0.00
86) Perylene-d12	15.40	264	562101	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1073093	64.49	ng	0.00
7) Phenol-d6	6.46	99	905694	43.34	ng	0.00
23) Nitrobenzene-d5	7.39	82	1859511	91.50	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	731740	154.96	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	3197575	123.10	ng	0.00
78) Terphenyl-d14	12.93	244	2408715	88.65	ng	0.00

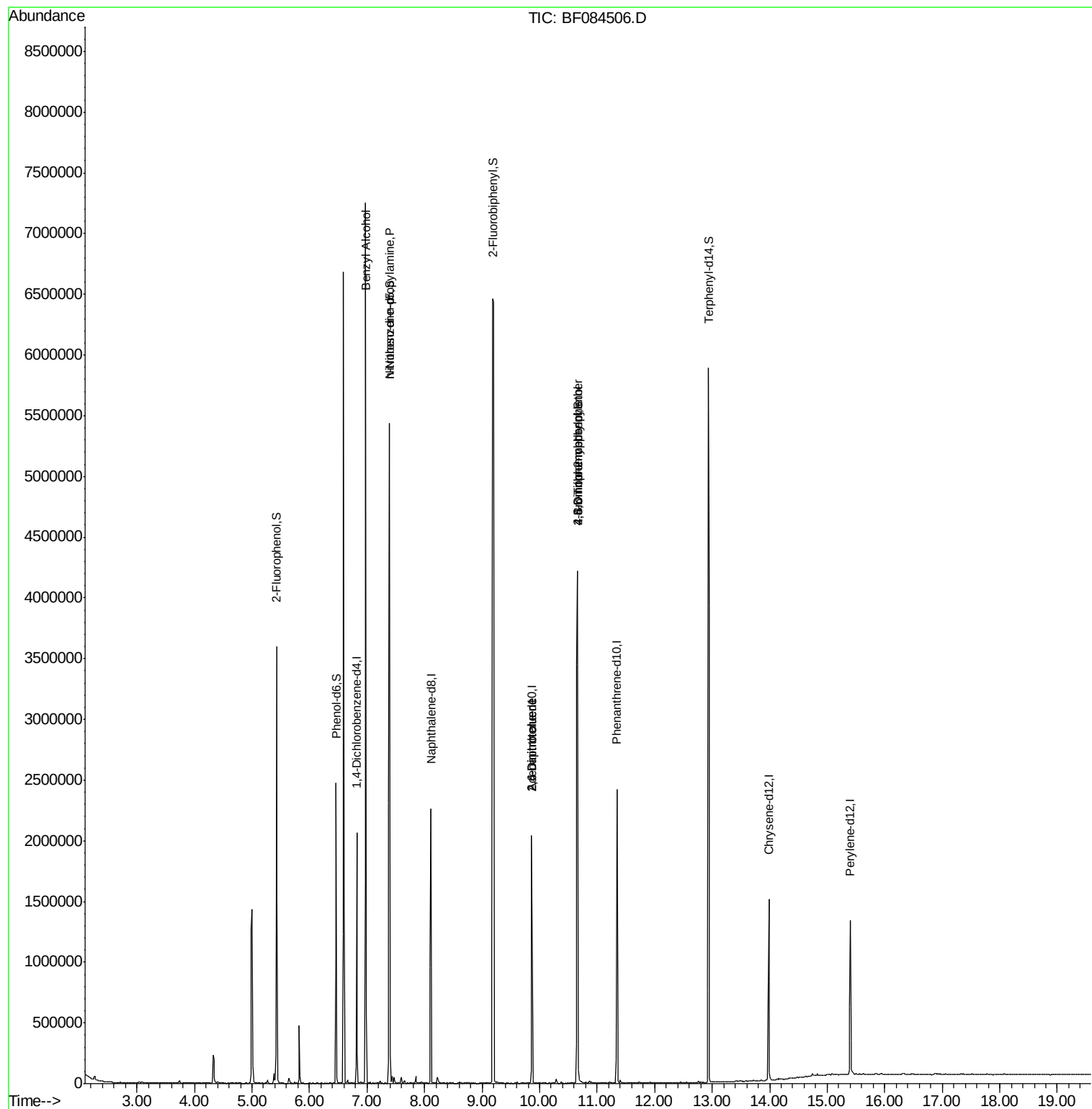
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.98	79	35484	2.02	ng	# 44
19) n-Nitroso-di-n-propylamine	7.39	70	269000	19.02	ng	# 73
50) 2,6-Dinitrotoluene	9.86	165	60526	8.25	ng	# 37
54) Dibenzofuran	10.06	168	785	Below Cal		# 83
56) 2,4-Dinitrotoluene	9.86	165	60519	6.52	ng	# 21
57) Fluorene	10.65	166	30037	Below Cal		# 89
60) 4-Chlorophenyl-phenylether	10.41	204	372	Below Cal		# 24
64) 4,6-Dinitro-2-methylphenol	10.66	198	1763	6.68	ng	# 11
66) 4-Bromophenyl-phenylether	10.66	248	48374	5.55	ng	# 1
73) Di-n-butylphthalate	11.92	149	5057	Below Cal		# 94

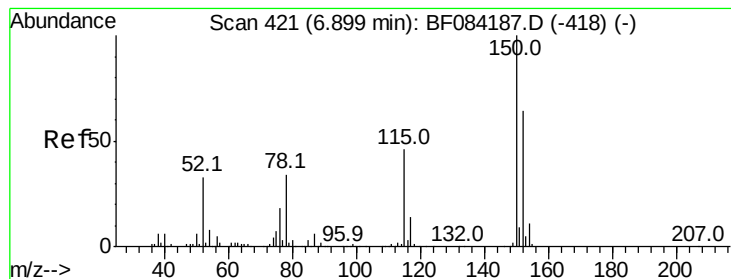
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jan 16 01:26:38 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF084506.D

Acq: 15 Jan 2016 22:22

Instrument :

BNA_F

ClientSampleId :

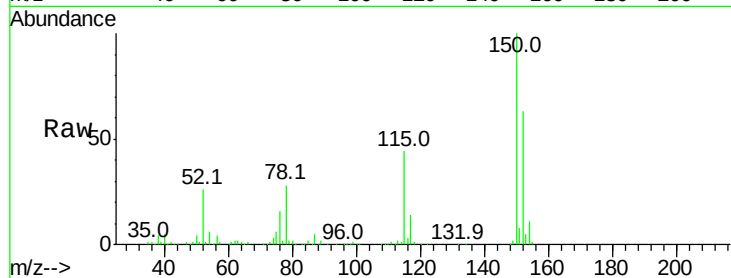
Tot Ion:152 Resp: 269122

Ion Ratio Lower Upper

152 100

150 158.6 123.0 184.4

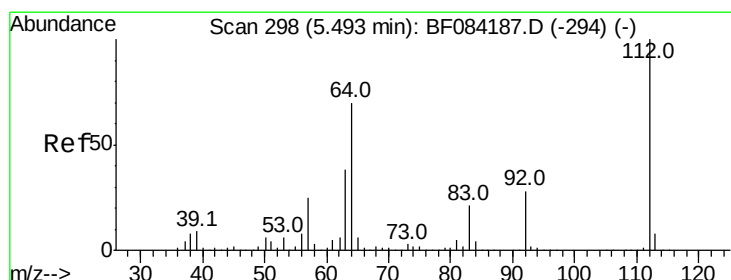
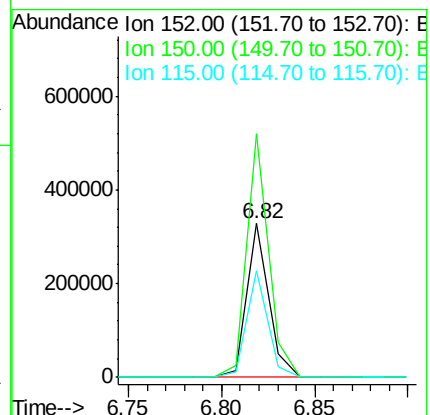
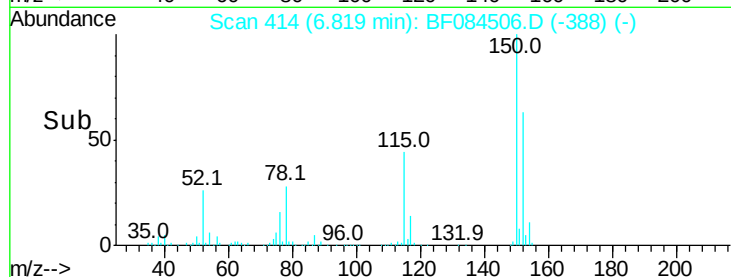
115 69.3 51.4 77.2



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: 64.49 ng

RT: 5.42 min Scan# 292

Delta R.T. 0.00 min

Lab File: BF084506.D

Acq: 15 Jan 2016 22:22

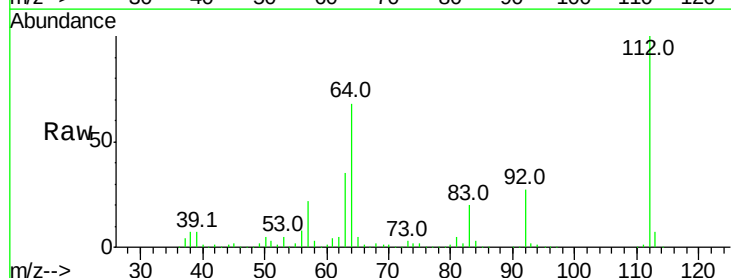
Tgt Ion:112 Resp: 1073093

Ion Ratio Lower Upper

112 100

64 68.1 36.6 55.0#

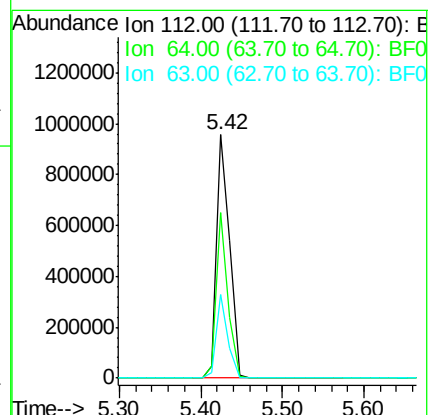
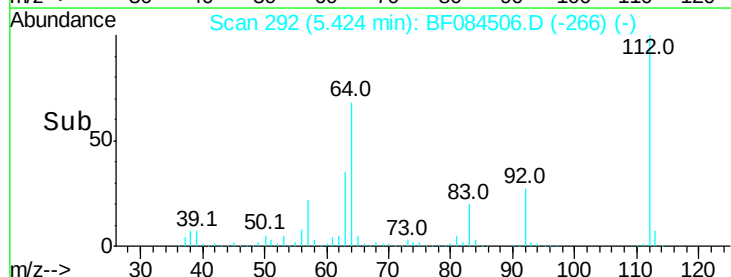
63 34.6 19.4 29.0#

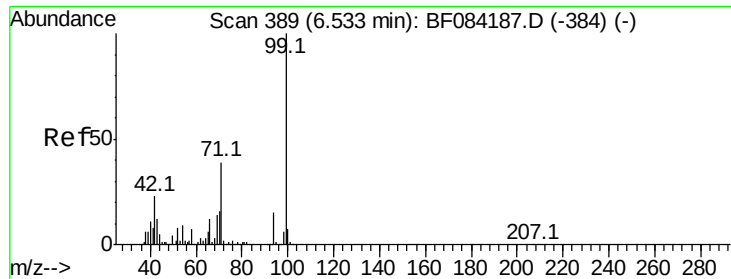


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.34 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.00 min

Lab File: BF084506.D

Acq: 15 Jan 2016 22:22

Instrument :

BNA_F

ClientSampleId :

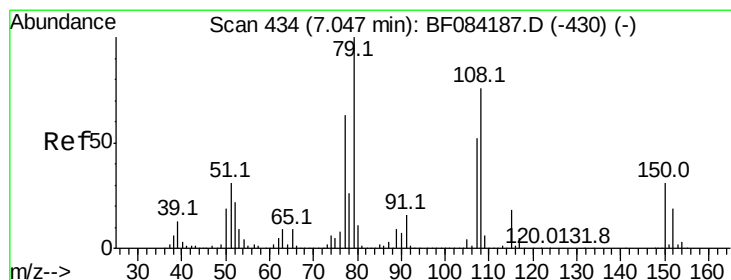
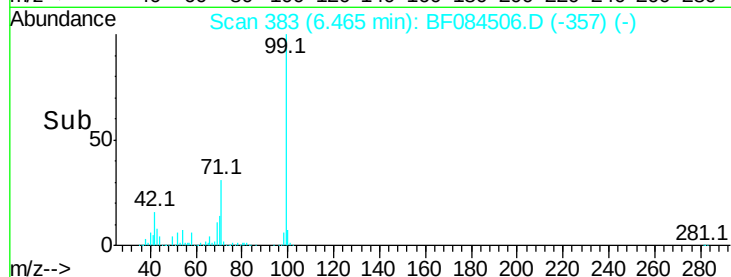
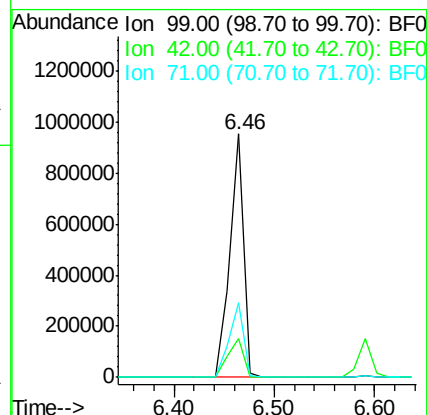
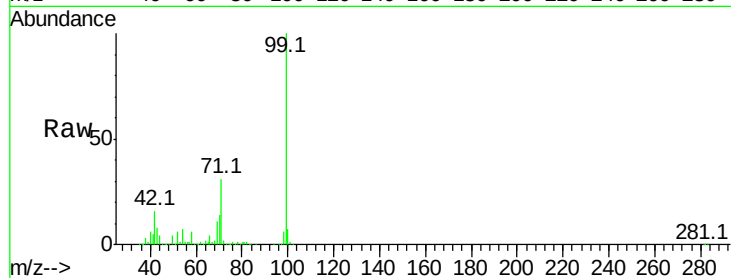
Tot Ion: 99 Resp: 905694

Ion Ratio Lower Upper

99 100

42 15.9 12.8 19.2

71 30.5 30.9 46.3#



#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.01 min

Lab File: BF084506.D

Acq: 15 Jan 2016 22:22

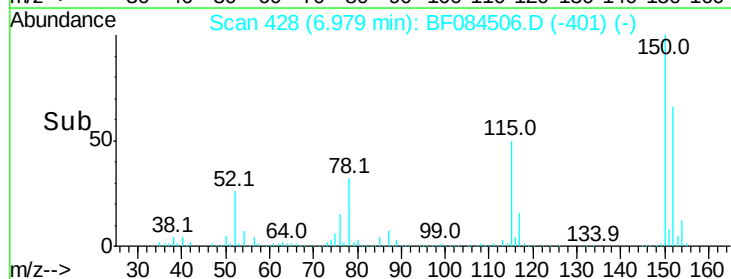
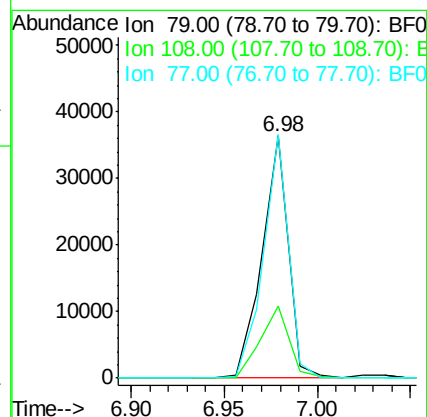
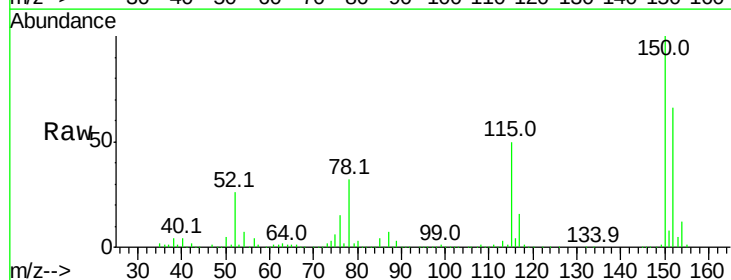
Tgt Ion: 79 Resp: 35484

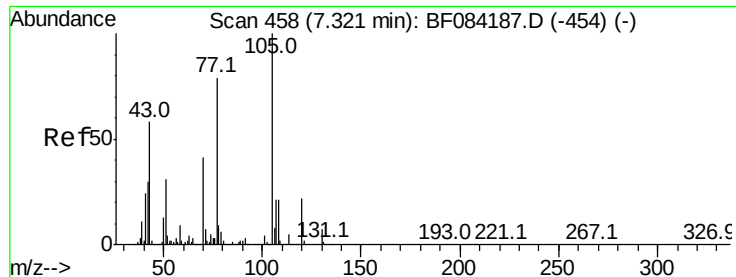
Ion Ratio Lower Upper

79 100

108 29.6 69.0 103.4#

77 100.7 50.0 75.0#

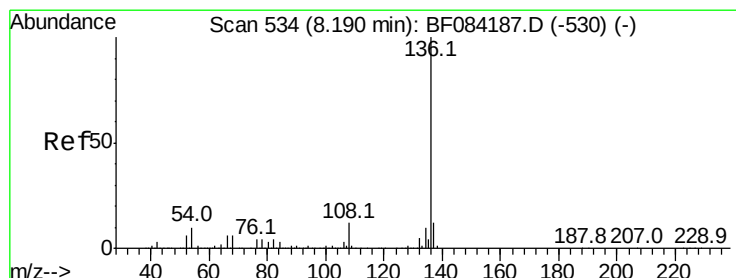
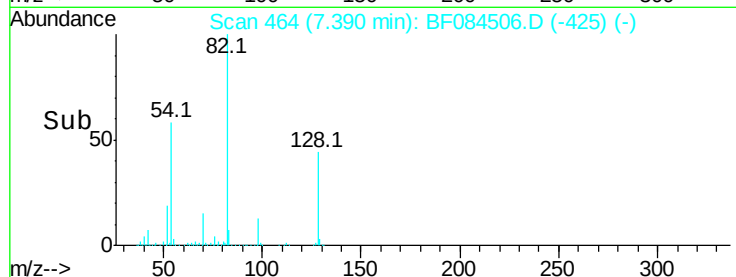
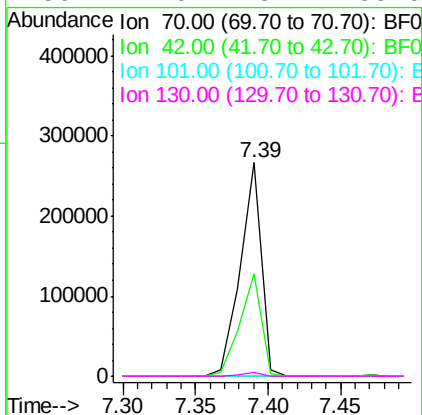
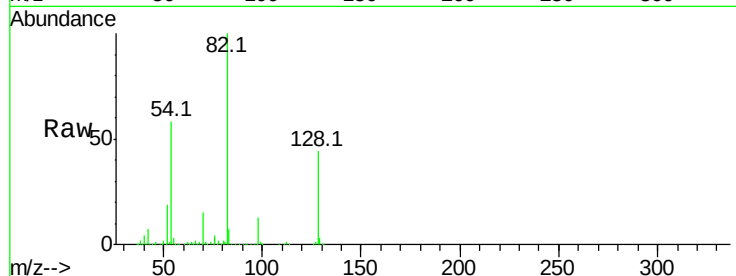




#19
n-Nitroso-di-n-propylamine
Concen: 19.02 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.15 min
Lab File: BF084506.D
Acq: 15 Jan 2016 22:22

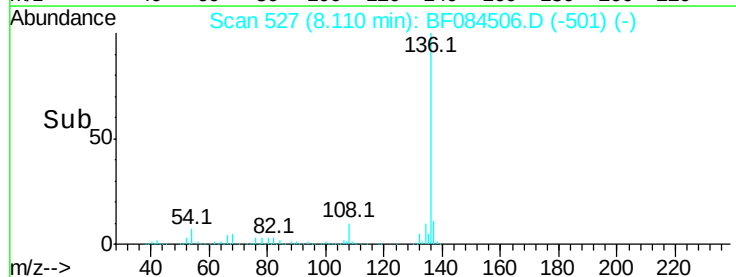
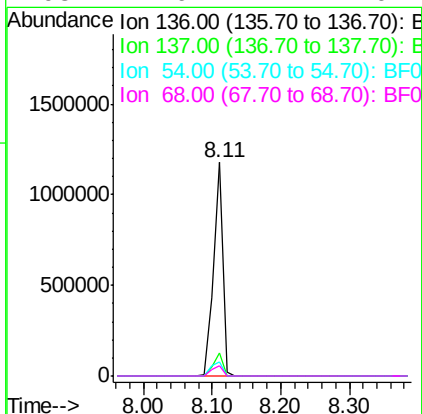
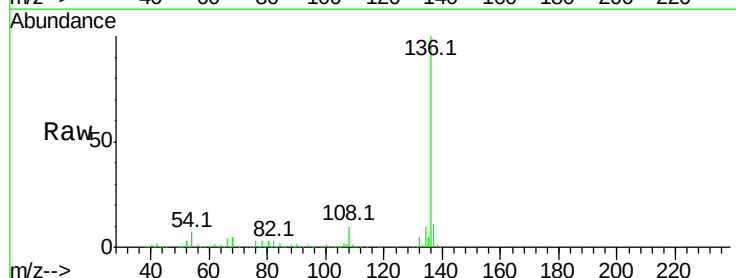
Instrument :
BNA_F
ClientSampleId :

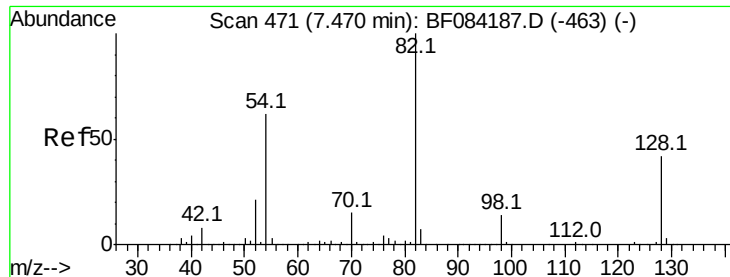
Tot Ion	Ratio	Lower	Upper
70	100		
42	48.0	33.3	49.9
101	0.0	9.3	13.9#
130	2.0	23.4	35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF084506.D
Acq: 15 Jan 2016 22:22

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	6.8	5.8	8.8
68	4.6	4.2	6.2





#23

Nitrobenzene-d5

Concen: 91.50 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.00 min

Lab File: BF084506.D

Acq: 15 Jan 2016 22:22

Instrument :

BNA_F

ClientSampled :

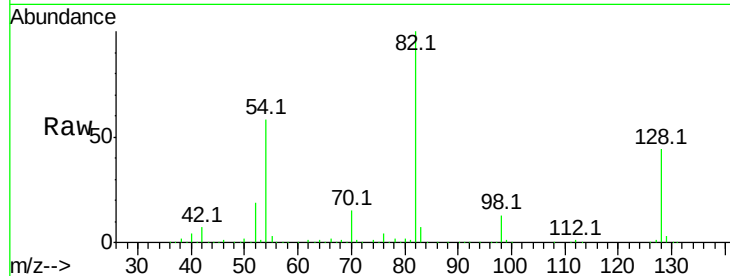
Tot Ion: 82 Resp: 1859511

Ion Ratio Lower Upper

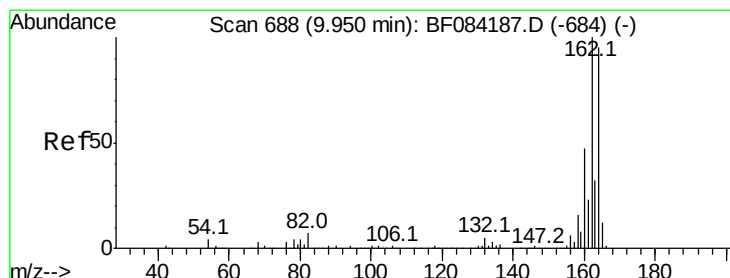
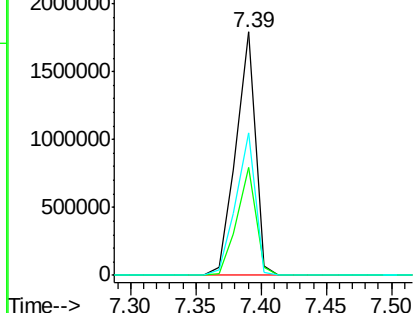
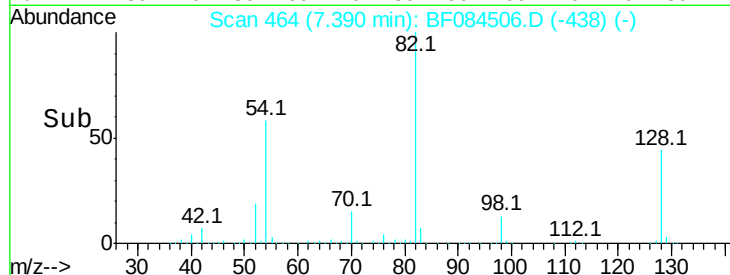
82 100

128 44.3 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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF084506.D

Acq: 15 Jan 2016 22:22

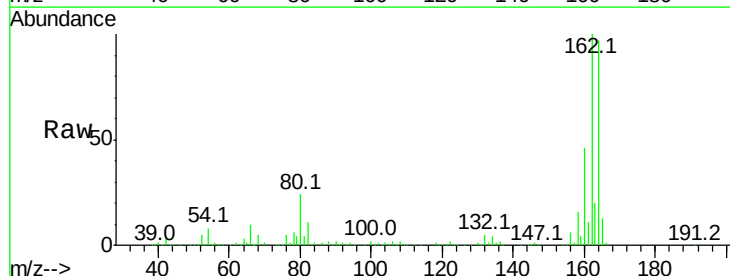
Tgt Ion:164 Resp: 467720

Ion Ratio Lower Upper

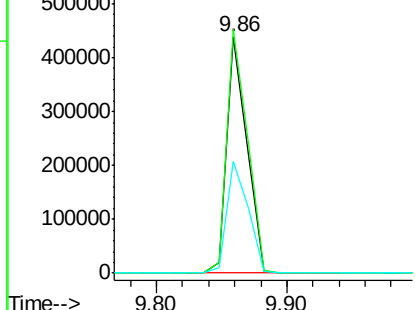
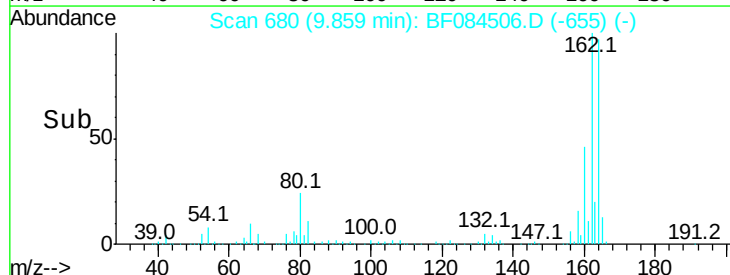
164 100

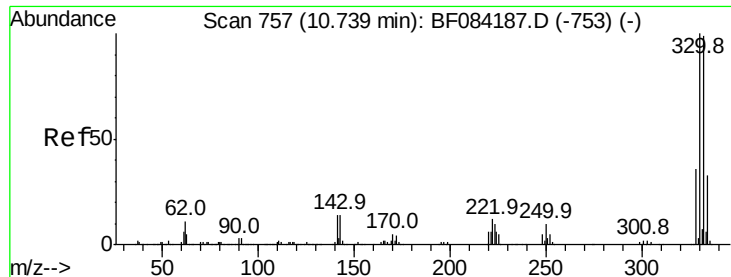
162 103.0 85.1 127.7

160 47.2 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

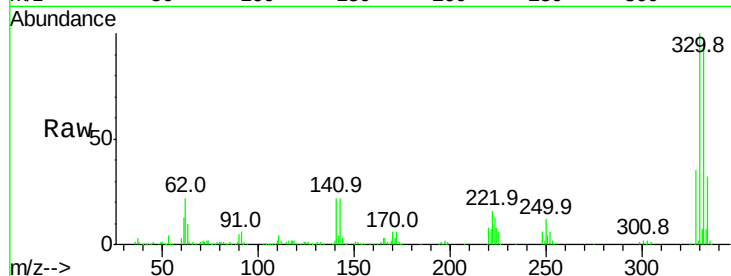




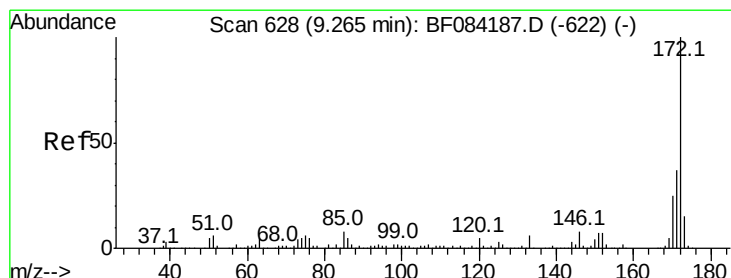
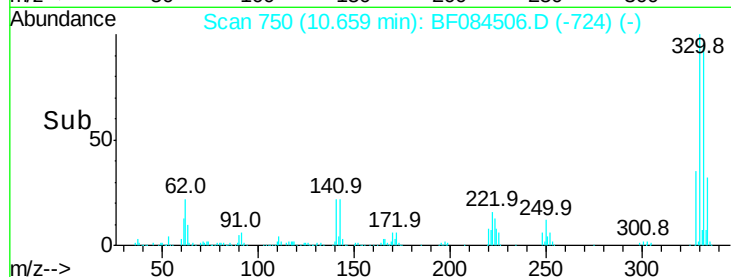
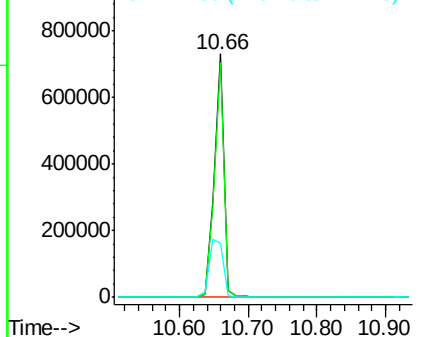
#41
 2,4,6-Tribromophenol
 Concen: 154.96 ng
 RT: 10.66 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF084506.D
 Acq: 15 Jan 2016 22:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	114.8
141	33.7	27.8	41.6

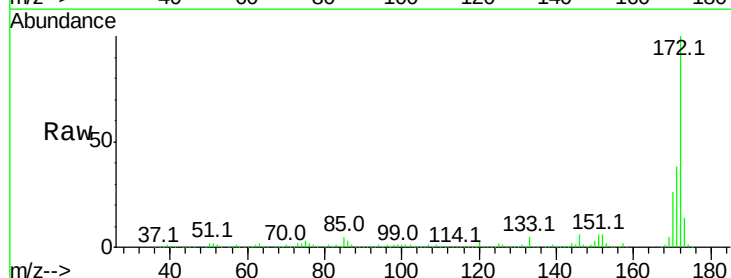


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

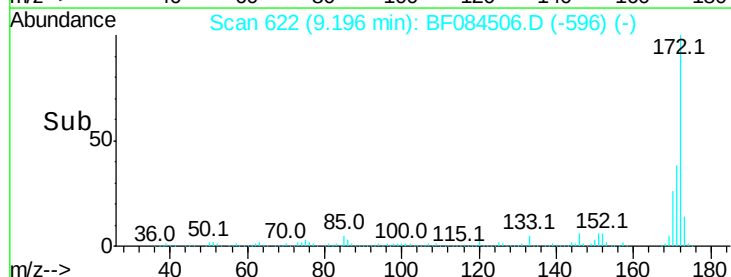
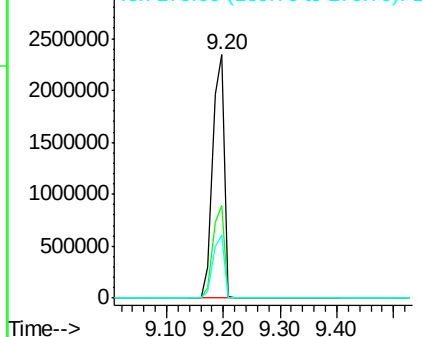


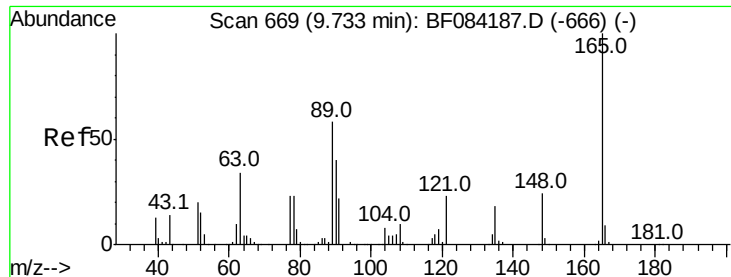
#44
 2-Fluorobiphenyl
 Concen: 123.10 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084506.D
 Acq: 15 Jan 2016 22:22

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

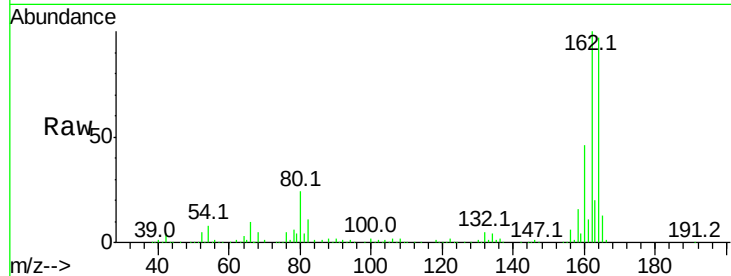




#50
 2,6-Dinitrotoluene
 Concen: 8.25 ng
 RT: 9.86 min Scan# 680
 Delta R.T. 0.21 min
 Lab File: BF084506.D
 Acq: 15 Jan 2016 22:22

Instrument :
 BNA_F
 ClientSampleId :

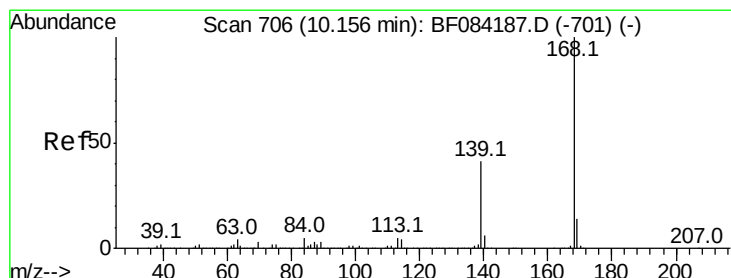
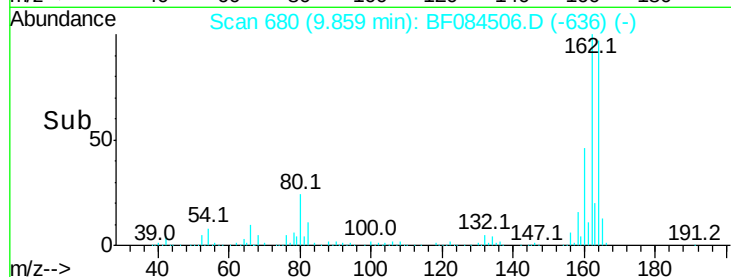
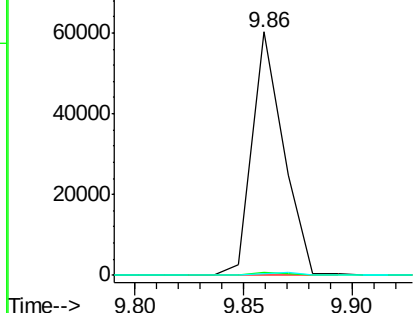
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	28.8	43.2#
89	0.7	35.1	52.7#



Abundance Ion 165.00 (164.70 to 165.70): E

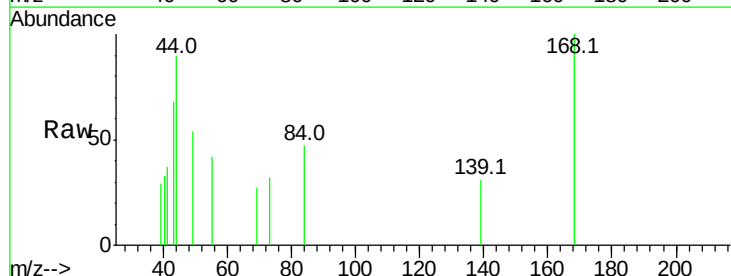
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#54
 Dibenzofuran
 Concen: Below Cal
 RT: 10.06 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: BF084506.D
 Acq: 15 Jan 2016 22:22

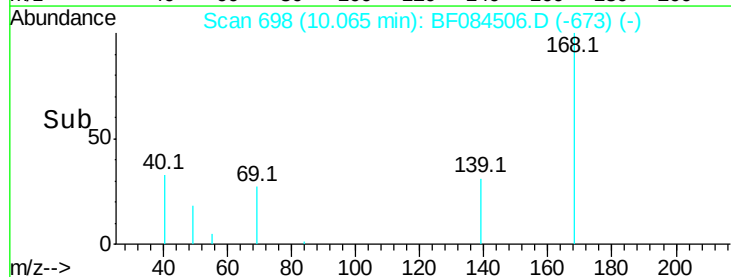
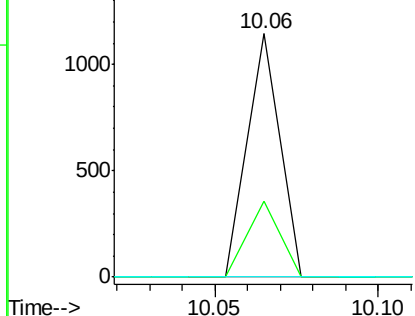
Tgt Ion	Ratio	Lower	Upper
168	100		
139	31.2	30.5	45.7
169	0.0	10.4	15.6#

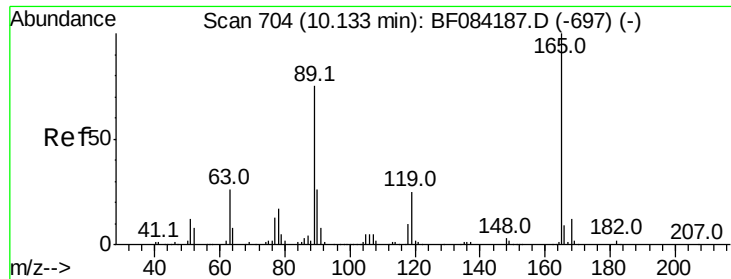


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

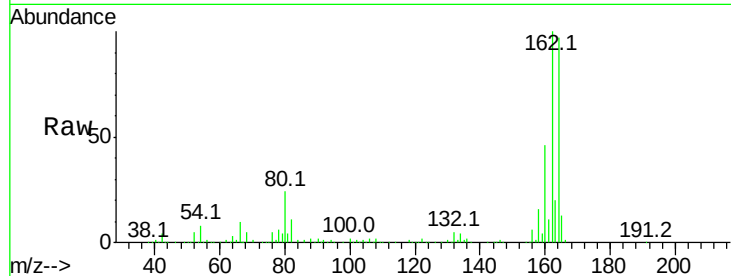




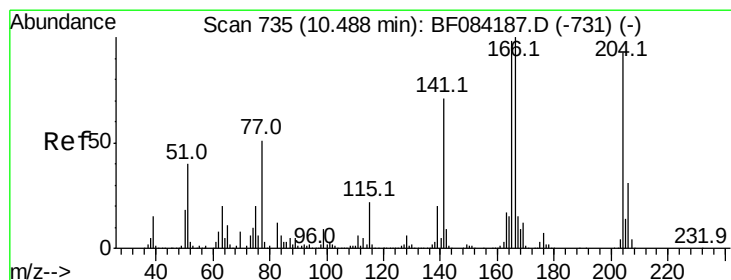
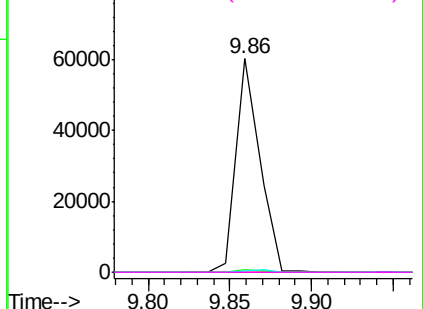
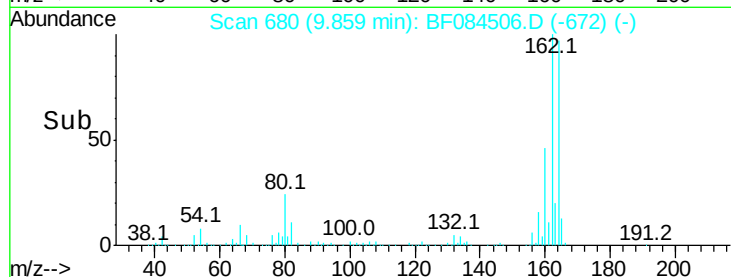
#56
 2,4-Dinitrotoluene
 Concen: 6.52 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.21 min
 Lab File: BF084506.D
 Acq: 15 Jan 2016 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 60519
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.7 55.1#
 89 0.7 61.9 92.9#
 182 0.0 2.0 3.0#

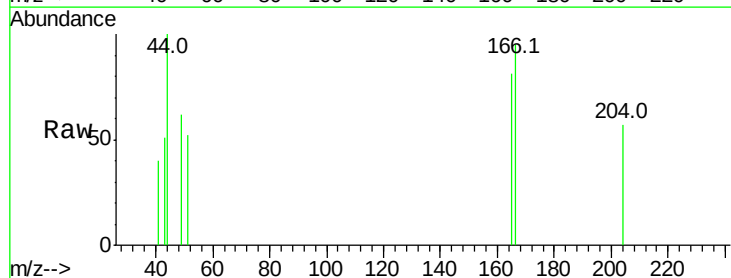


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

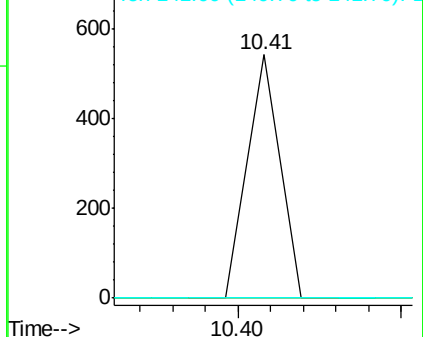
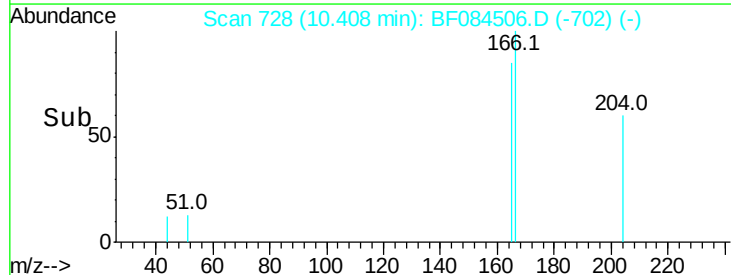


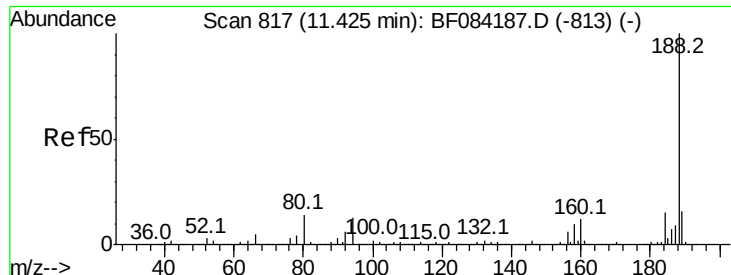
#60
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.41 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: BF084506.D
 Acq: 15 Jan 2016 22:22

Tgt Ion:204 Resp: 372
 Ion Ratio Lower Upper
 204 100
 206 0.0 25.7 38.5#
 141 0.0 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

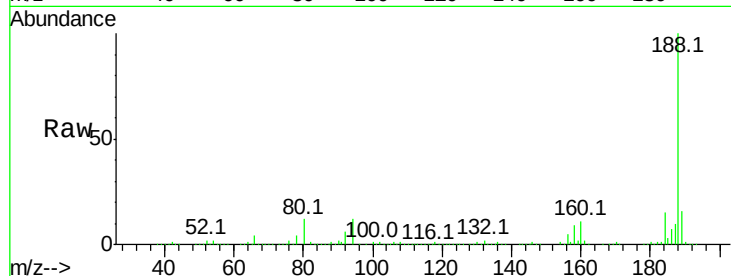




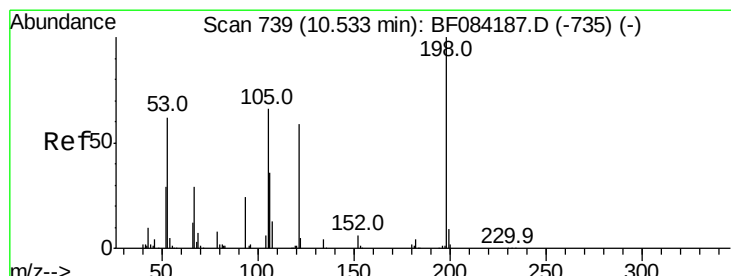
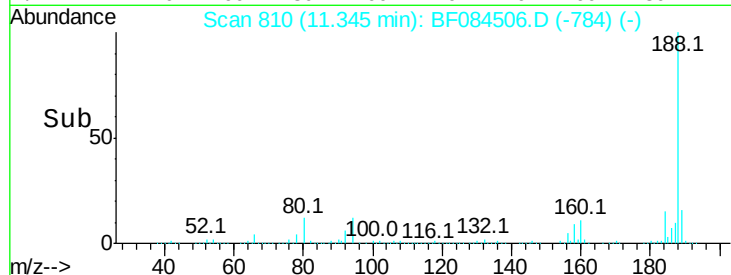
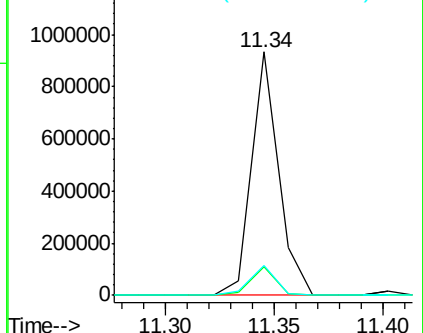
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF084506.D
 Acq: 15 Jan 2016 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 810228
 Ion Ratio Lower Upper
 188 100
 94 11.5 9.0 13.4
 80 12.2 9.6 14.4

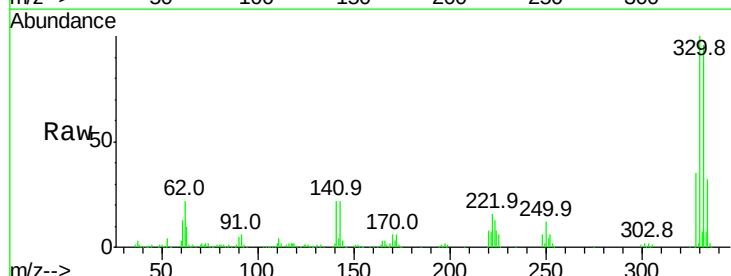


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

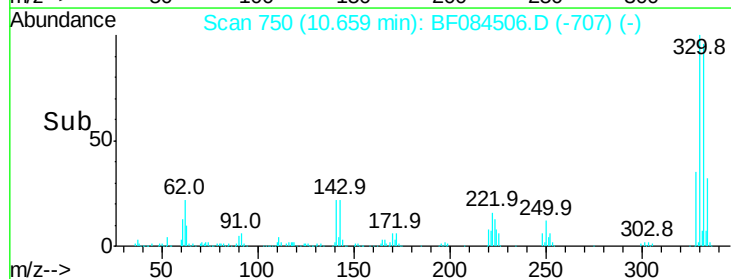
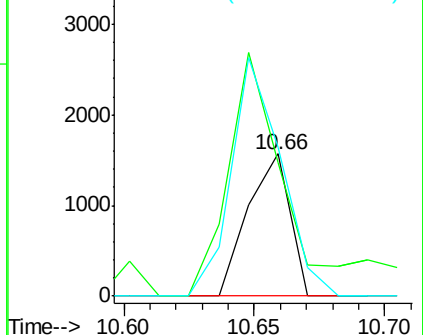


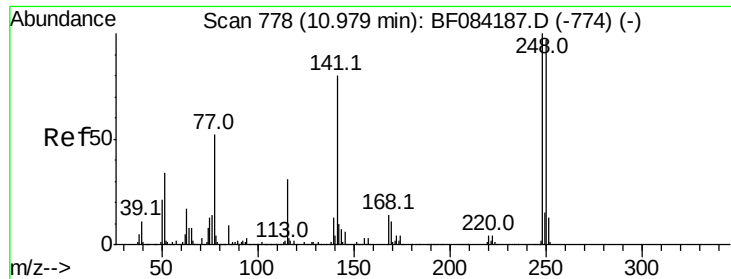
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.68 ng
 RT: 10.66 min Scan# 750
 Delta R.T. 0.19 min
 Lab File: BF084506.D
 Acq: 15 Jan 2016 22:22

Tgt Ion:198 Resp: 1763
 Ion Ratio Lower Upper
 198 100
 51 94.0 18.9 58.9#
 105 105.2 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

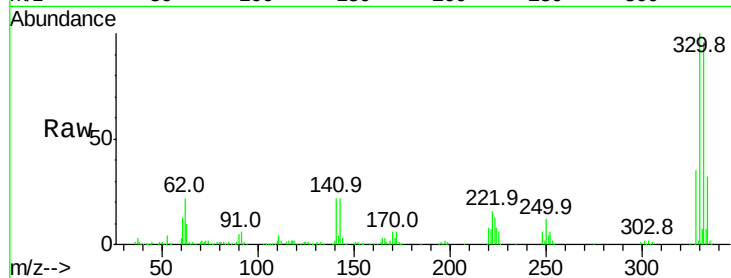




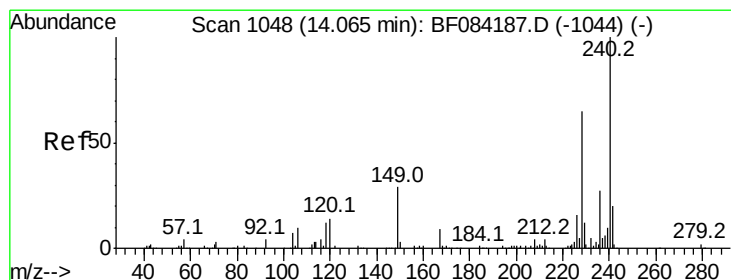
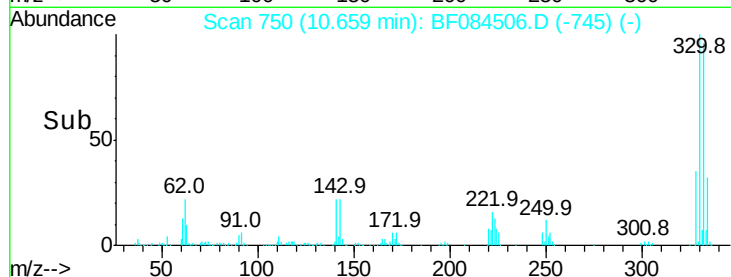
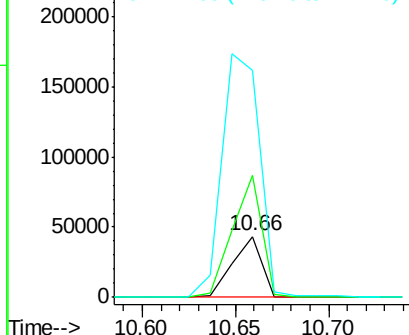
#66
4-Bromophenyl-phenylether
Concen: 5.55 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.24 min
Lab File: BF084506.D
Acq: 15 Jan 2016 22:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 48374
Ion Ratio Lower Upper
248 100
250 200.0 78.4 117.6#
141 371.4 44.0 66.0#

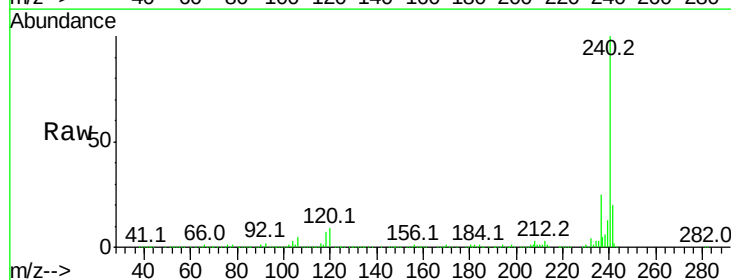


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

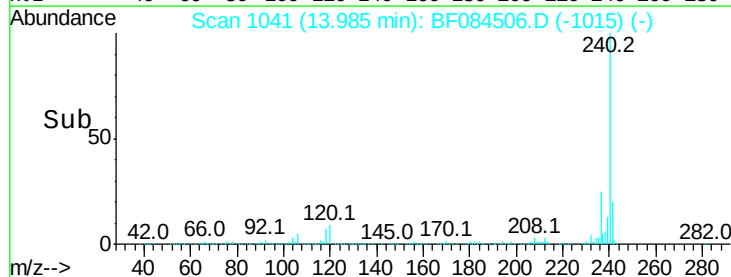
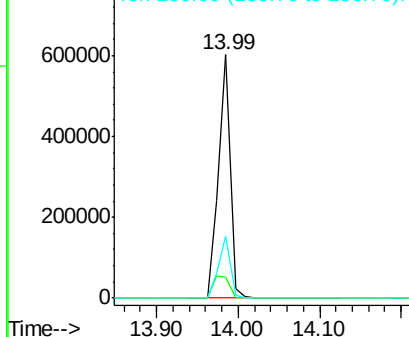


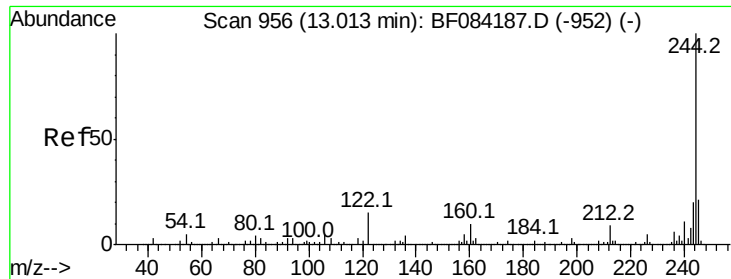
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF084506.D
Acq: 15 Jan 2016 22:22

Tgt Ion:240 Resp: 606498
Ion Ratio Lower Upper
240 100
120 8.6 9.5 14.3#
236 25.5 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

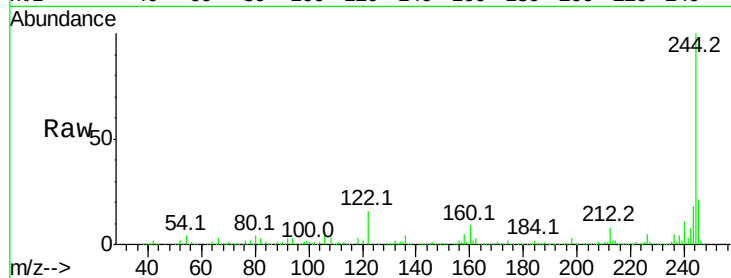




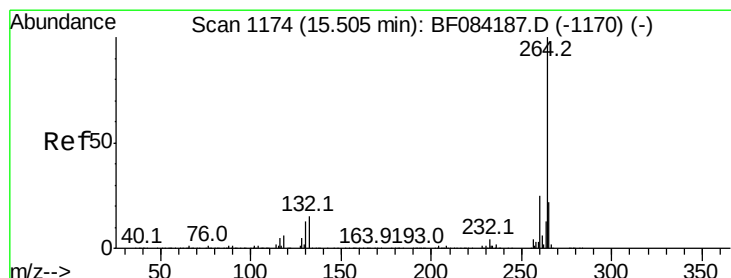
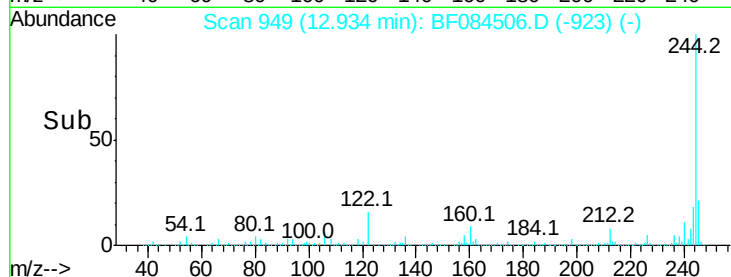
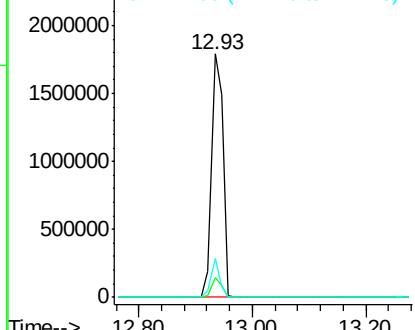
#78
 Terphenyl-d14
 Concen: 88.65 ng
 RT: 12.93 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: BF084506.D
 Acq: 15 Jan 2016 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 2408715
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.7 8.5
 122 16.0 7.4 11.0#

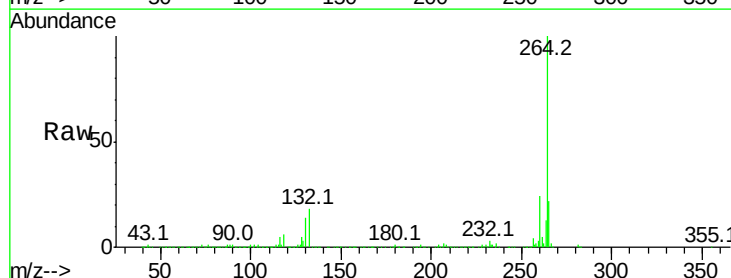


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: BF084506.D
 Acq: 15 Jan 2016 22:22

Tgt Ion:264 Resp: 562101
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.4 29.2
 265 21.8 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

