

Data Path : Z:\HPCHEM1\BNA F\Data\BF122816\
 Data File : BF091998.D
 Acq On : 28 Dec 2016 17:01
 Operator : UM/SJ
 Sample : H6238-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 17:32:38 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	207287	20.00	ng	-0.05
21) Naphthalene-d8	7.98	136	765518	20.00	ng	-0.06
38) Acenaphthene-d10	9.74	164	402955	20.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	646191	20.00	ng	-0.05
75) Chrysene-d12	13.86	240	565155	20.00	ng	-0.05
86) Perylene-d12	15.24	264	406637	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1555754	125.32	ng	-0.01
7) Phenol-d6	6.37	99	1971974	130.10	ng	-0.03
23) Nitrobenzene-d5	7.28	82	1430837	103.93	ng	-0.05
41) 2,4,6-Tribromophenol	10.53	330	462742	138.76	ng	-0.05
44) 2-Fluorobiphenyl	9.07	172	2084236	109.73	ng	-0.05
78) Terphenyl-d14	12.82	244	2247931	96.47	ng	-0.03

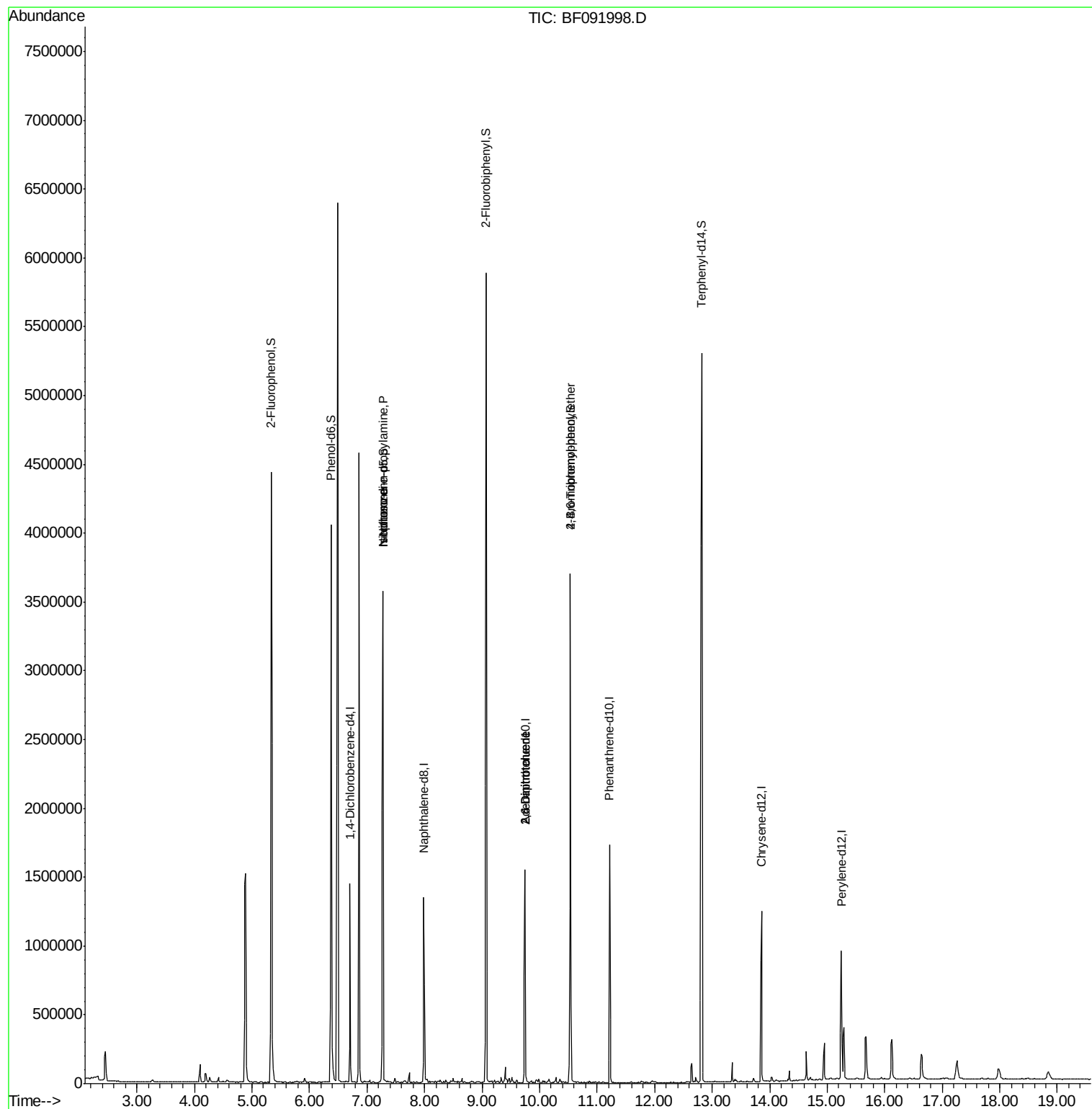
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	193241	19.16	ng	# 75
25) Isophorone	7.28	82	1367012	53.82	ng	# 65
37) 2-Methylnaphthalene	8.70	142	850	Below Cal		87
50) 2,6-Dinitrotoluene	9.74	165	52312	9.27	ng	# 30
56) 2,4-Dinitrotoluene	9.74	165	52316	7.39	ng	# 19
66) 4-Bromophenyl-phenylether	10.53	248	28843	4.29	ng	# 1
71) Anthracene	11.24	178	8966	Below Cal		98
73) Di-n-butylphthalate	11.79	149	5252	Below Cal	#	92
74) Fluoranthene	12.43	202	580	Below Cal		61

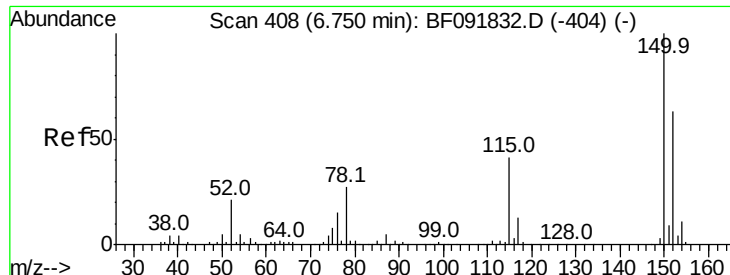
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.05 min

Lab File: BF091998.D

Acq: 28 Dec 2016 17:01

Instrument :

BNA_F

ClientSampleId :

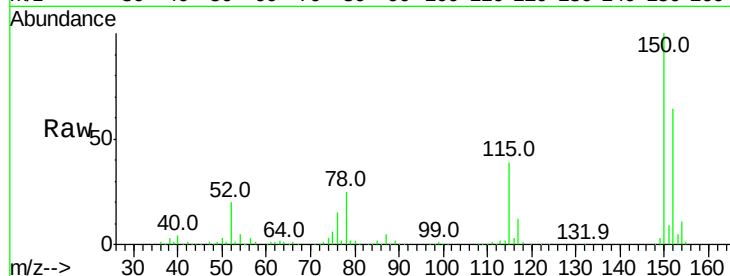
Tot Ion:152 Resp: 207287

Ion Ratio Lower Upper

152 100

150 155.4 124.9 187.3

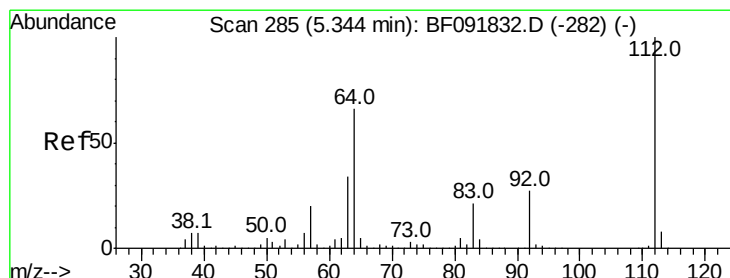
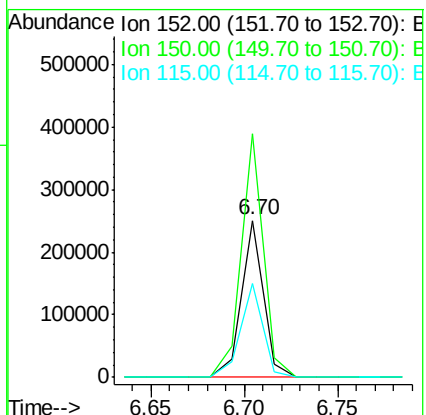
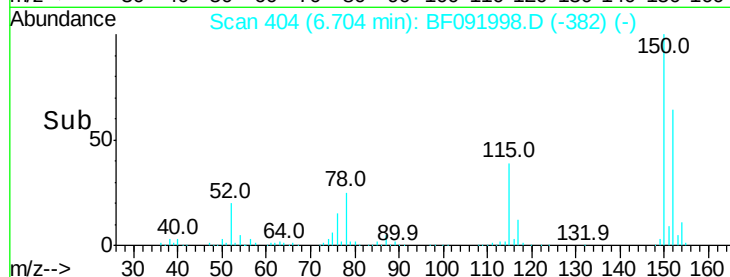
115 59.8 46.0 69.0



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: 125.32 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: BF091998.D

Acq: 28 Dec 2016 17:01

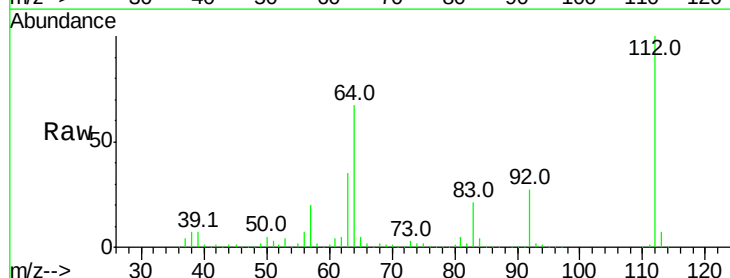
Tgt Ion:112 Resp: 1555754

Ion Ratio Lower Upper

112 100

64 66.9 46.1 69.1

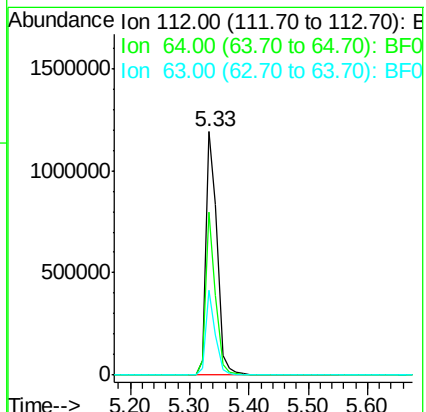
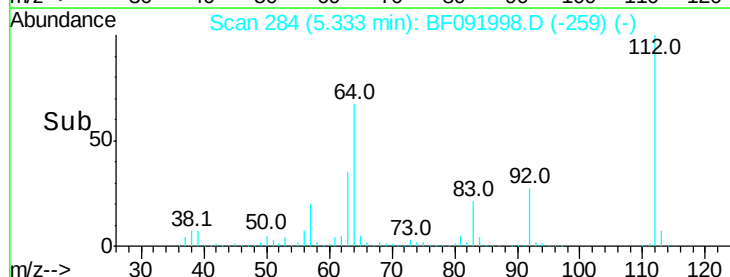
63 34.7 23.8 35.6

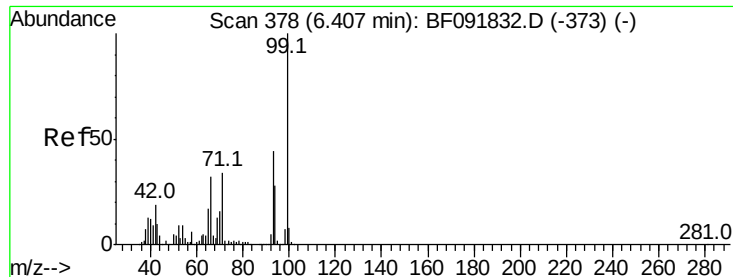


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 130.10 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.03 min

Lab File: BF091998.D

Acq: 28 Dec 2016 17:01

Instrument :

BNA_F

ClientSampleId :

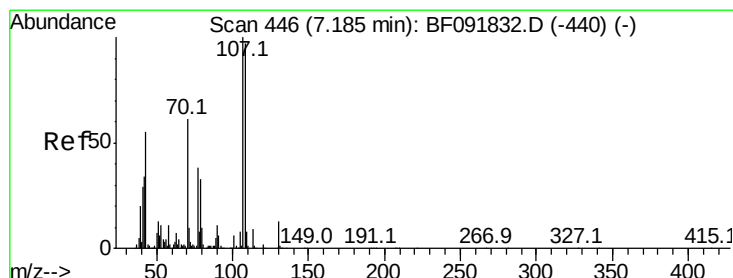
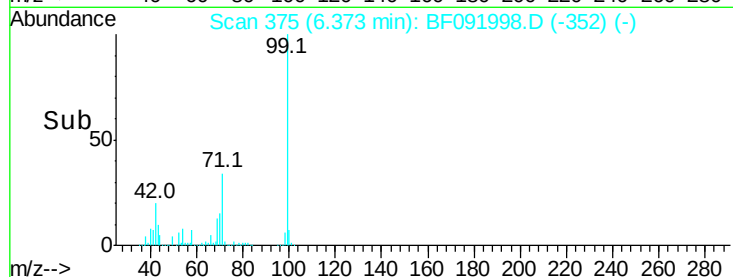
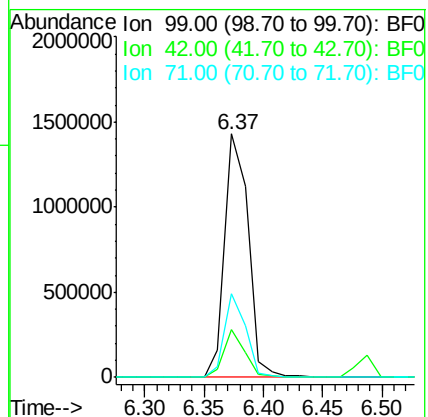
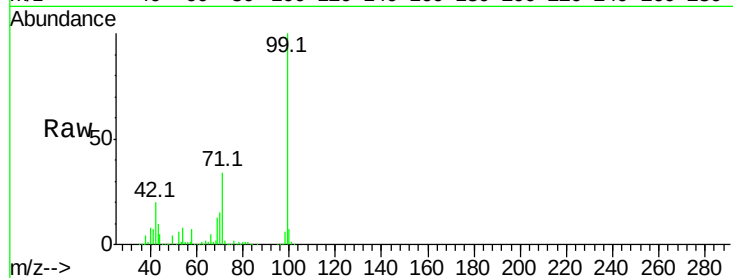
Tot Ion: 99 Resp: 1971974

Ion Ratio Lower Upper

99 100

42 19.7 15.6 23.4

71 34.4 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 19.16 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.09 min

Lab File: BF091998.D

Acq: 28 Dec 2016 17:01

Tgt Ion: 70 Resp: 193241

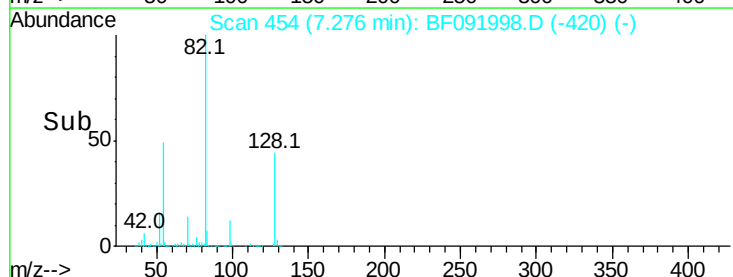
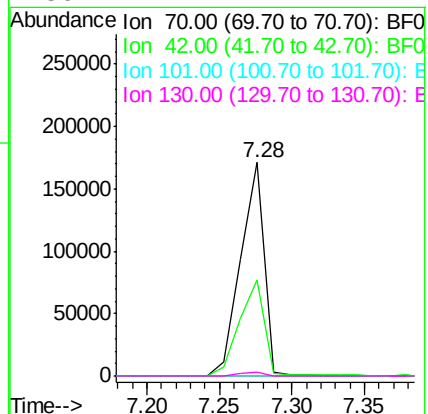
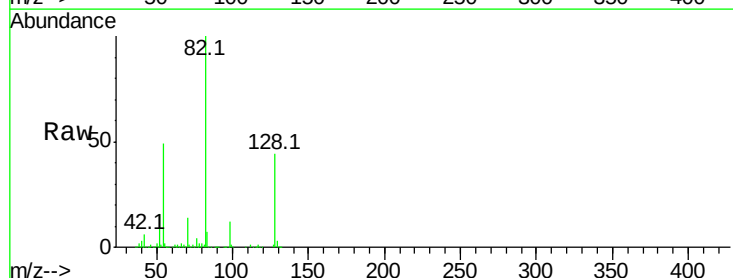
Ion Ratio Lower Upper

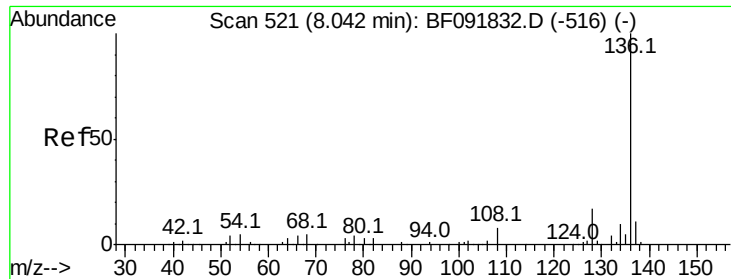
70 100

42 45.1 49.4 74.0#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

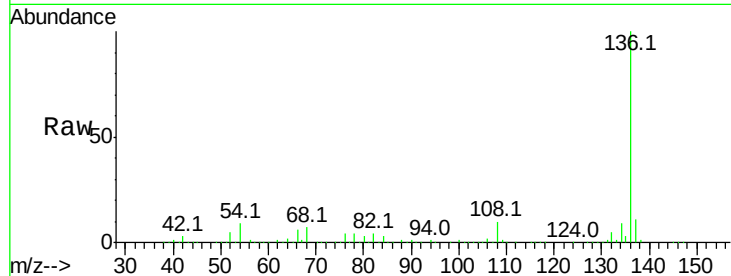




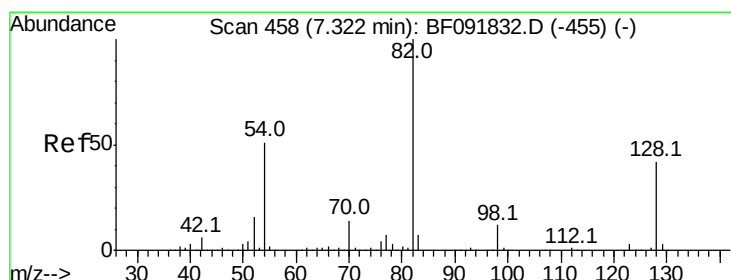
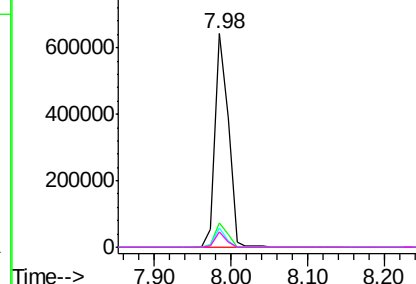
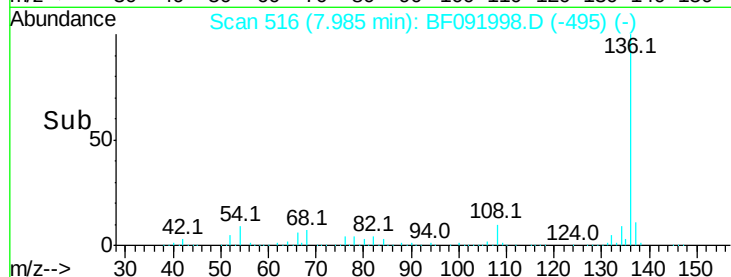
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.06 min
Lab File: BF091998.D
Acq: 28 Dec 2016 17:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	765518
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	9.2	4.5	6.7#
68	7.0	3.6	5.4#

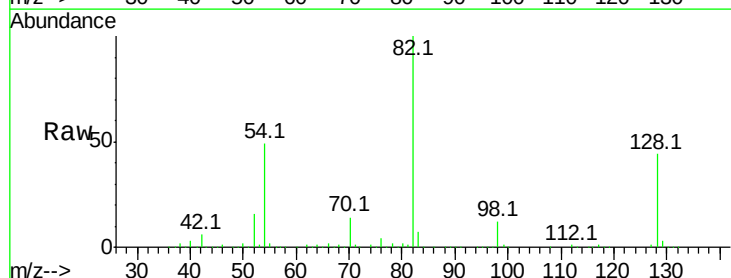


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

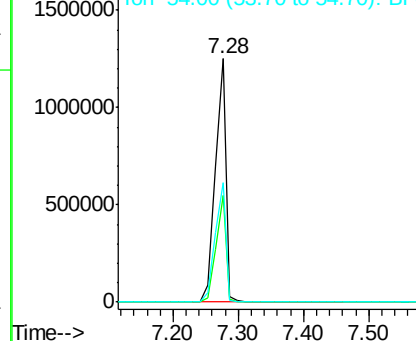
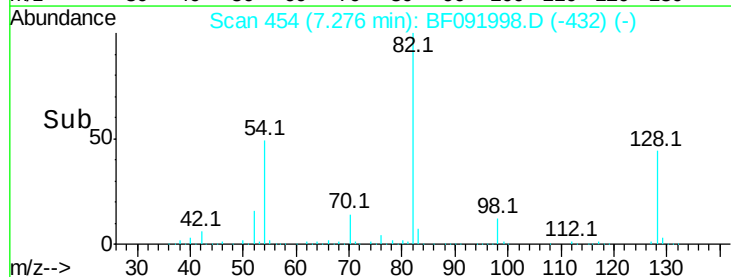


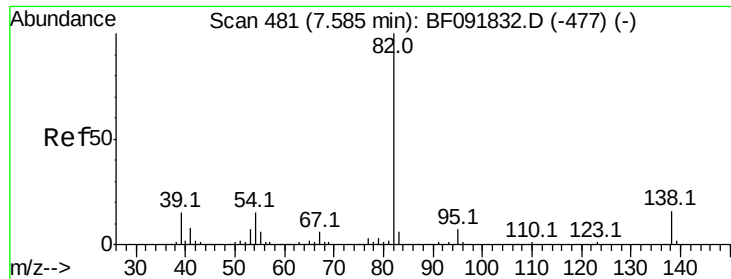
#23
Nitrobenzene-d5
Concen: 103.93 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.05 min
Lab File: BF091998.D
Acq: 28 Dec 2016 17:01

Tgt Ion:	82	Resp:	1430837
Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.6	52.0
54	48.8	39.5	59.3



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





#25

Isophorone

Concen: 53.82 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.31 min

Lab File: BF091998.D

Acq: 28 Dec 2016 17:01

Instrument :

BNA_F

ClientSampleId :

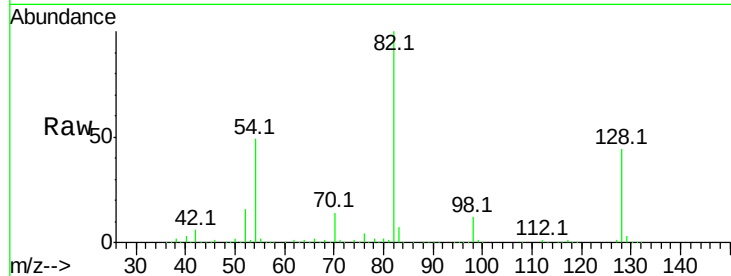
Tot Ion: 82 Resp: 1367012

Ion Ratio Lower Upper

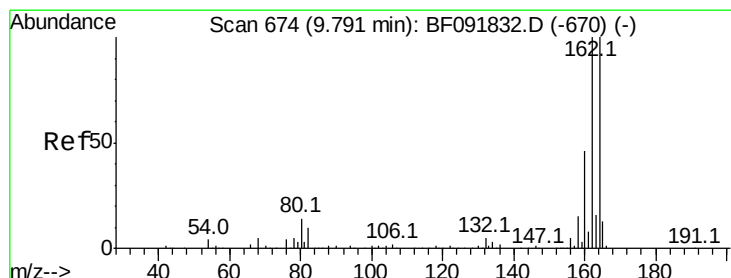
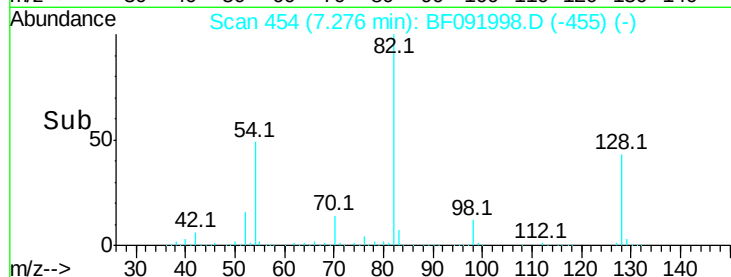
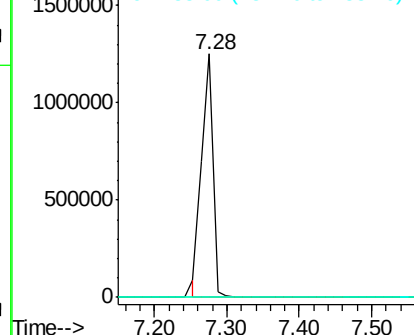
82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.05 min

Lab File: BF091998.D

Acq: 28 Dec 2016 17:01

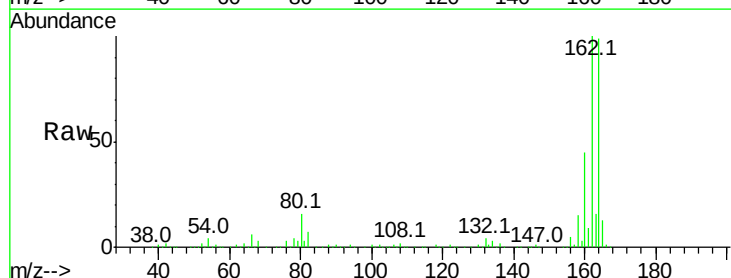
Tgt Ion:164 Resp: 402955

Ion Ratio Lower Upper

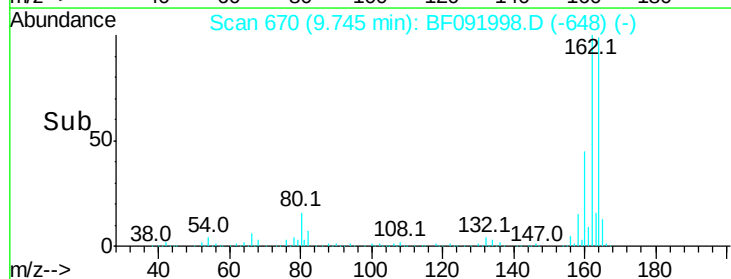
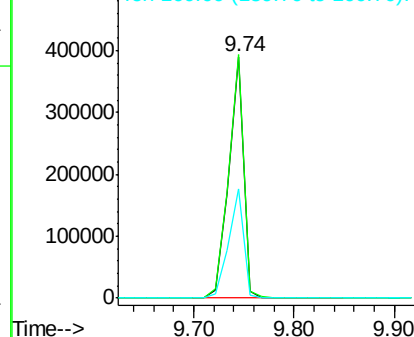
164 100

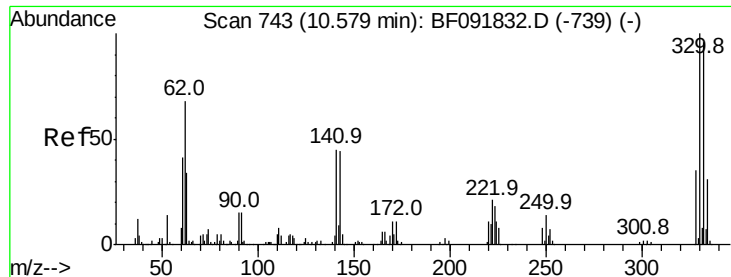
162 100.9 80.2 120.2

160 45.1 36.9 55.3



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

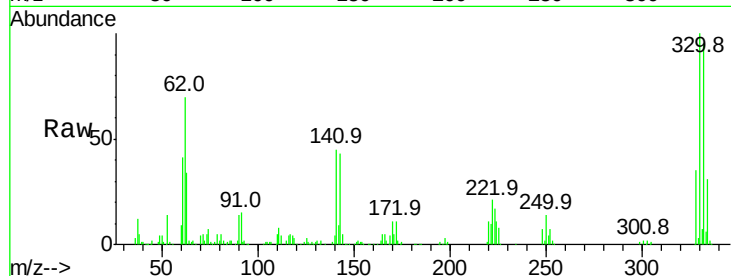




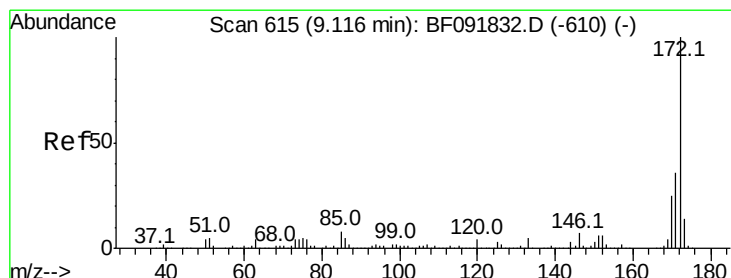
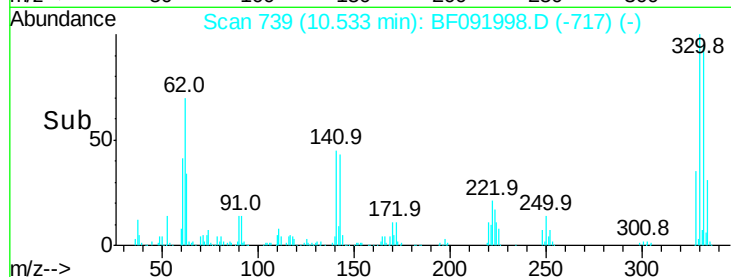
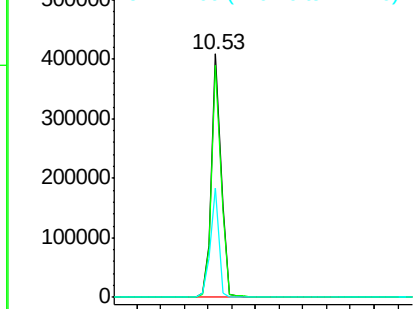
#41
 2,4,6-Tribromophenol
 Concen: 138.76 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.05 min
 Lab File: BF091998.D
 Acq: 28 Dec 2016 17:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 462742
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.4 116.2
 141 40.1 34.1 51.1

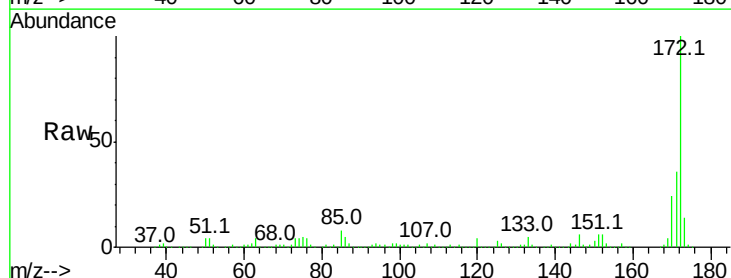


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

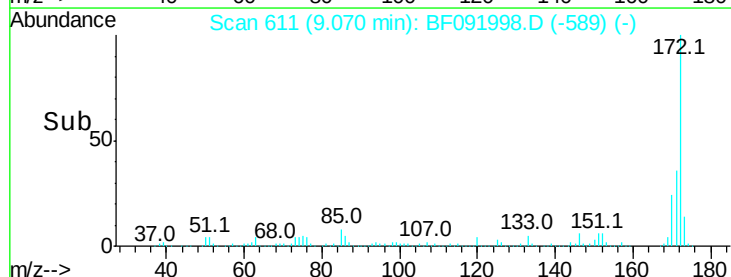
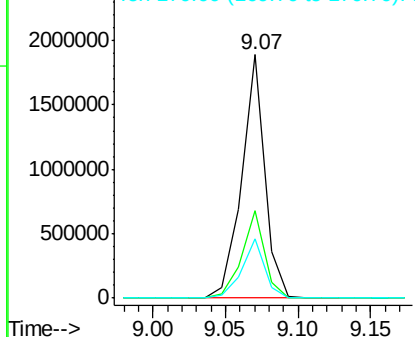


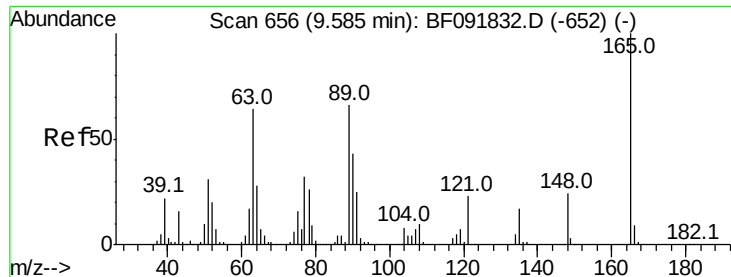
#44
 2-Fluorobiphenyl
 Concen: 109.73 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.05 min
 Lab File: BF091998.D
 Acq: 28 Dec 2016 17:01

Tgt Ion:172 Resp: 2084236
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.3 20.2 30.4



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

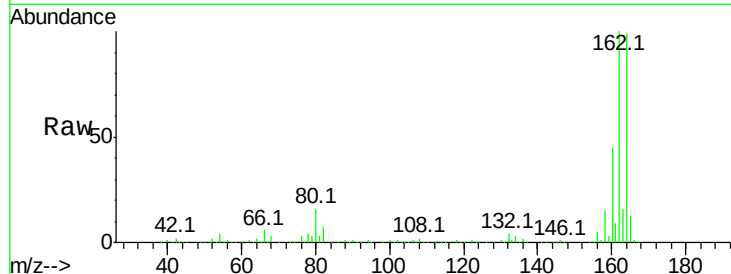




#50
2,6-Dinitrotoluene
Concen: 9.27 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.16 min
Lab File: BF091998.D
Acq: 28 Dec 2016 17:01

Instrument :
BNA_F
ClientSampleId :

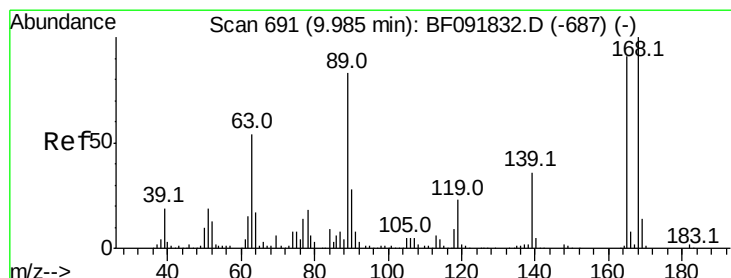
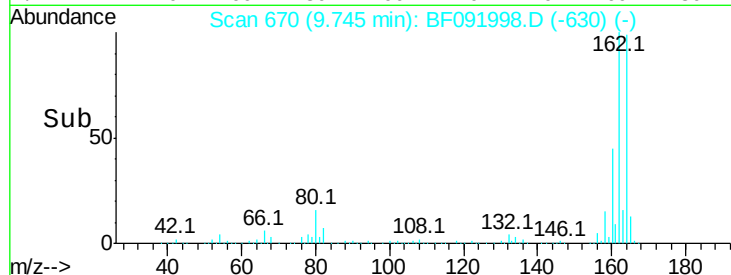
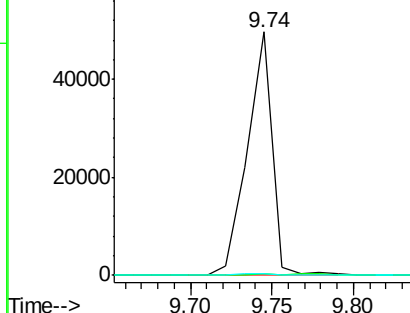
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.2	54.4#
89	1.0	40.2	60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

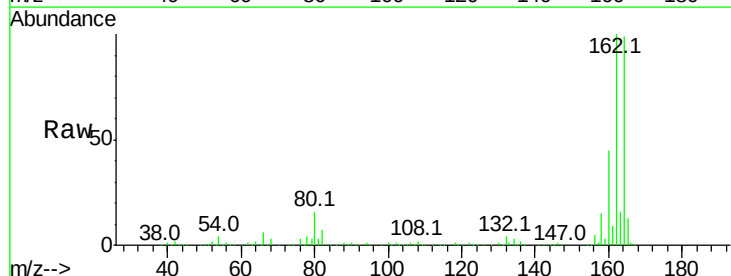
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
2,4-Dinitrotoluene
Concen: 7.39 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.24 min
Lab File: BF091998.D
Acq: 28 Dec 2016 17:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	40.2	60.4#
89	1.0	62.5	93.7#
182	0.0	1.8	2.8#

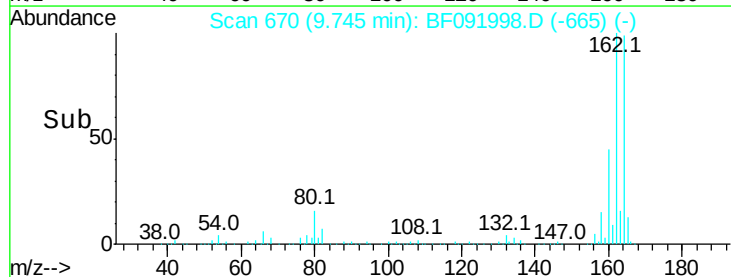
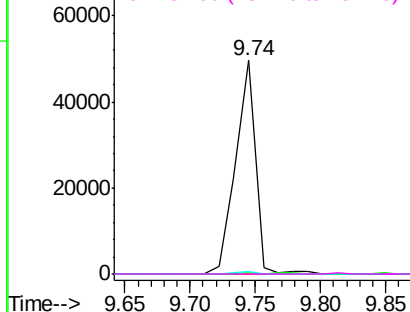


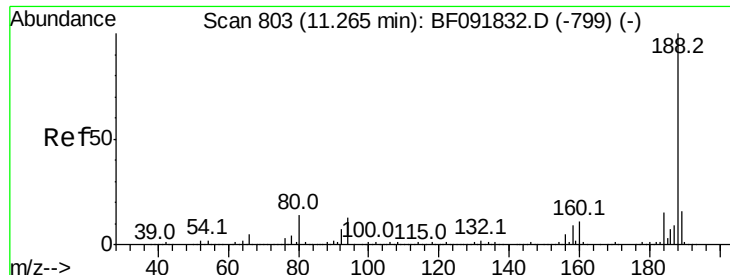
Abundance Ion 165.00 (164.70 to 165.70): E

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

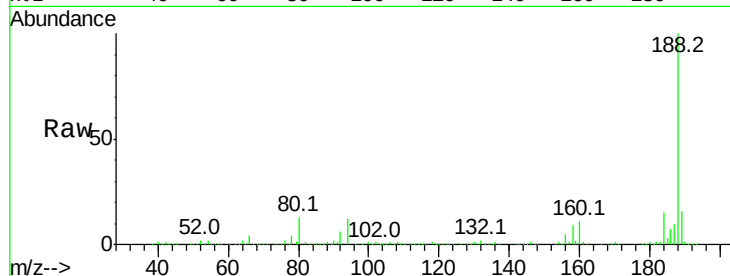




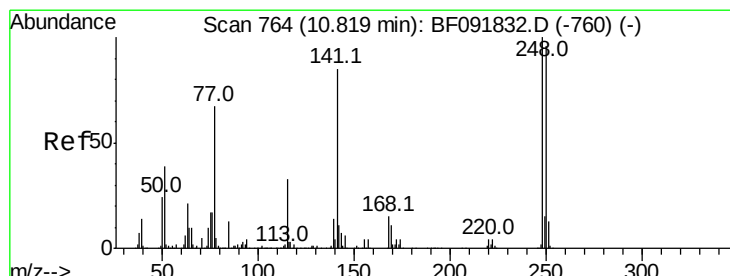
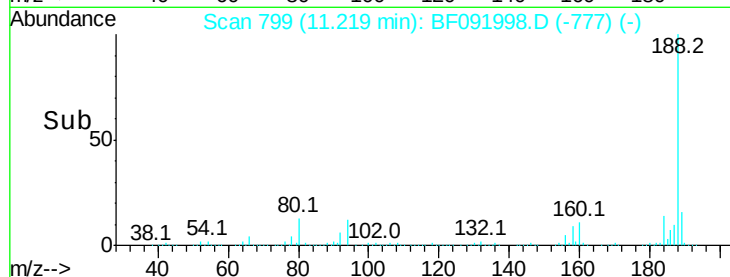
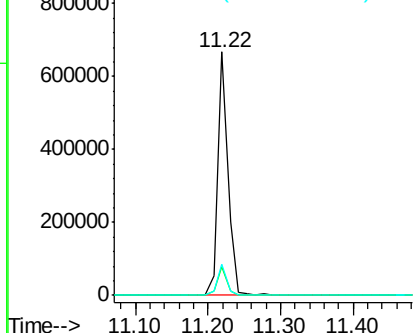
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.05 min
 Lab File: BF091998.D
 Acq: 28 Dec 2016 17:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 646191
 Ion Ratio Lower Upper
 188 100
 94 11.5 10.0 15.0
 80 12.6 11.2 16.8

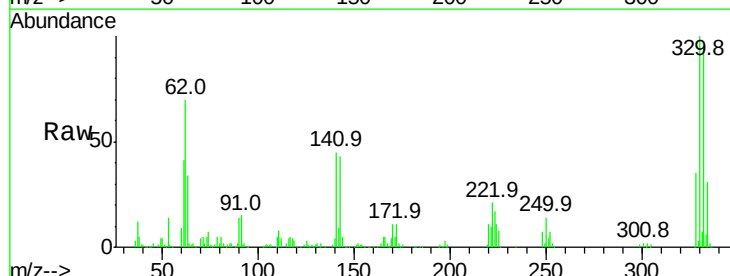


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

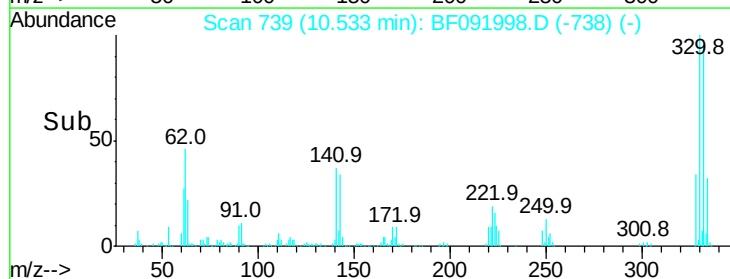
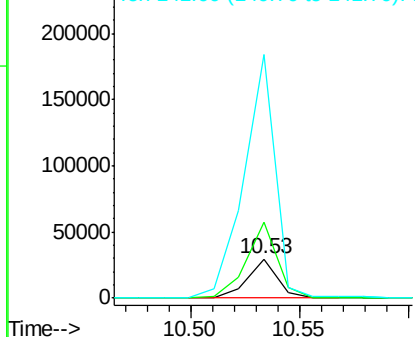


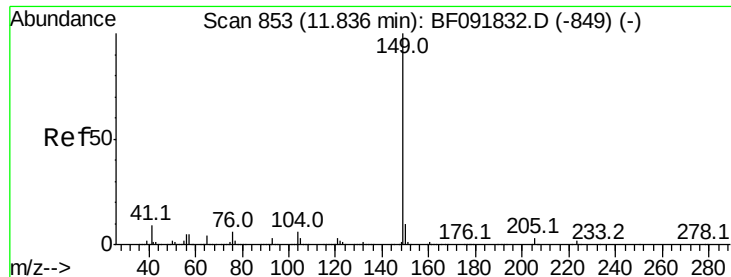
#66
 4-Bromophenyl-phenylether
 Concen: 4.29 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.29 min
 Lab File: BF091998.D
 Acq: 28 Dec 2016 17:01

Tgt Ion:248 Resp: 28843
 Ion Ratio Lower Upper
 248 100
 250 194.2 76.9 115.3#
 141 619.7 68.2 102.4#



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





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.79 min Scan# 849

Delta R.T. -0.05 min

Lab File: BF091998.D

Acq: 28 Dec 2016 17:01

Instrument :

BNA_F

ClientSampleId :

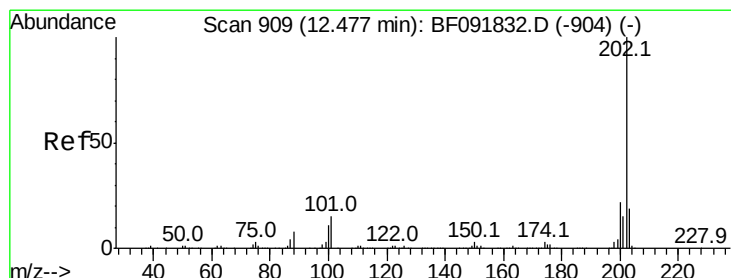
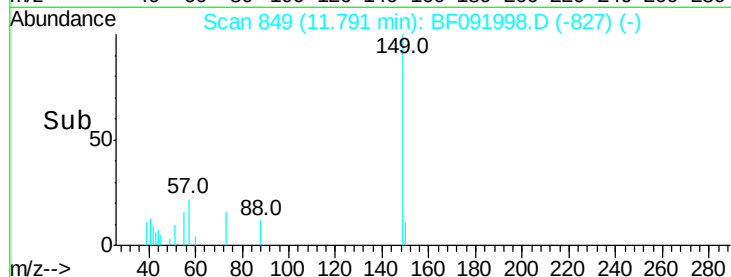
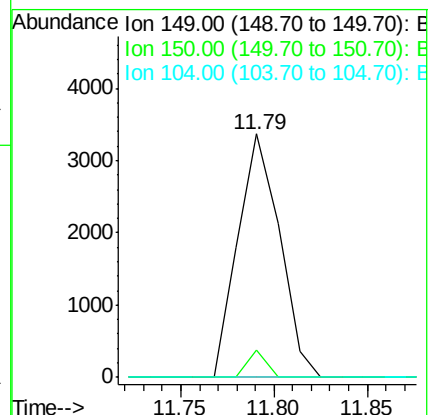
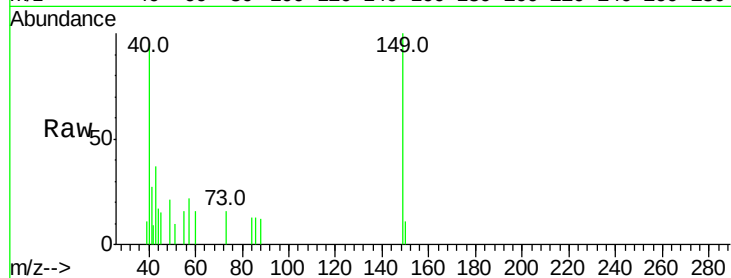
Tot Ion:149 Resp: 5252

Ion Ratio Lower Upper

149 100

150 11.0 8.1 12.1

104 0.0 4.6 7.0#



#74

Fluoranthene

Concen: Below Cal

RT: 12.43 min Scan# 905

Delta R.T. -0.05 min

Lab File: BF091998.D

Acq: 28 Dec 2016 17:01

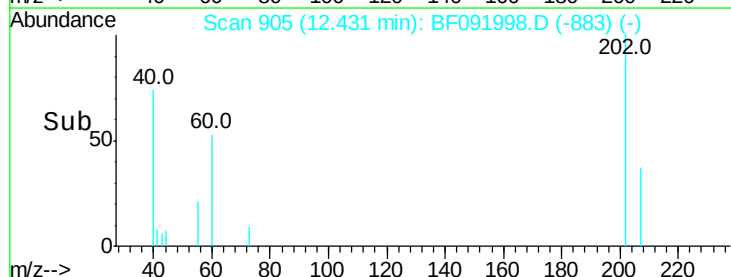
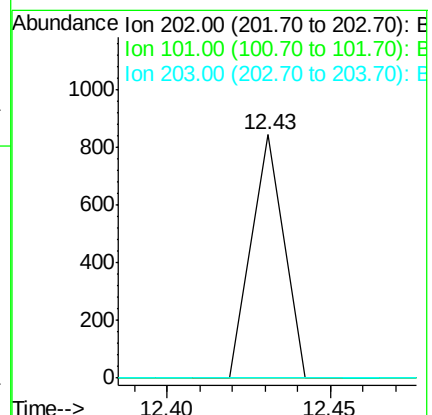
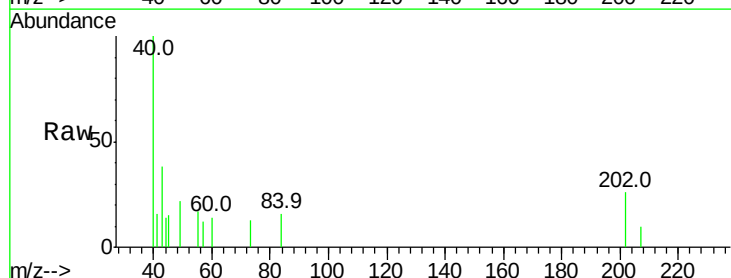
Tgt Ion:202 Resp: 580

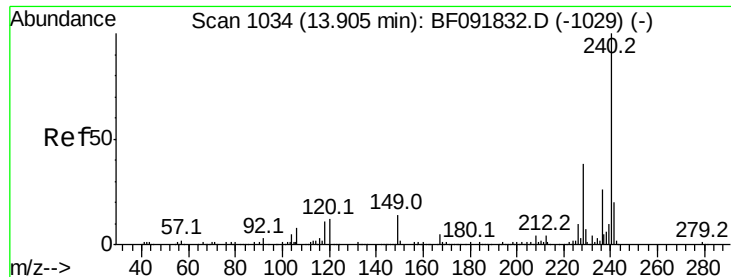
Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

203 0.0 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BF091998.D

Acq: 28 Dec 2016 17:01

Instrument :

BNA_F

ClientSampleId :

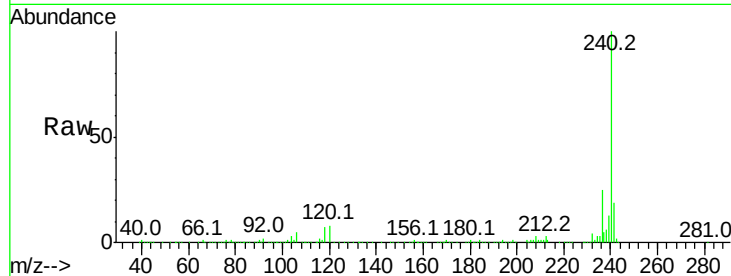
Tot Ion:240 Resp: 565155

Ion Ratio Lower Upper

240 100

120 7.6 12.9 19.3#

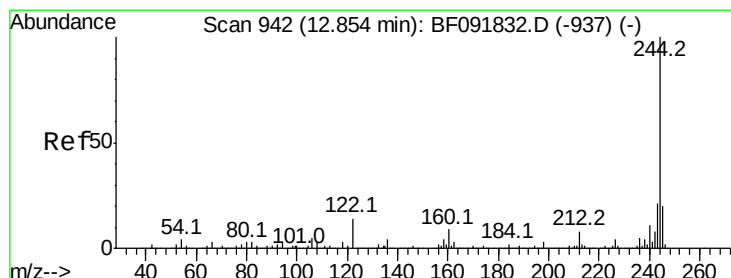
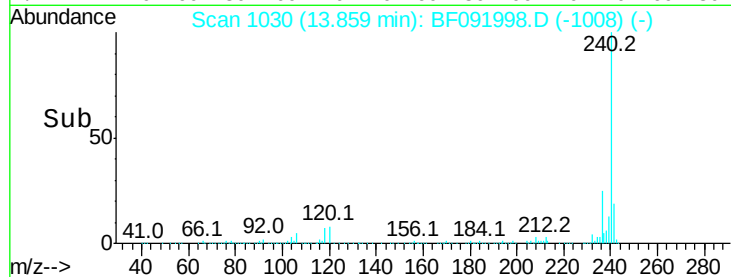
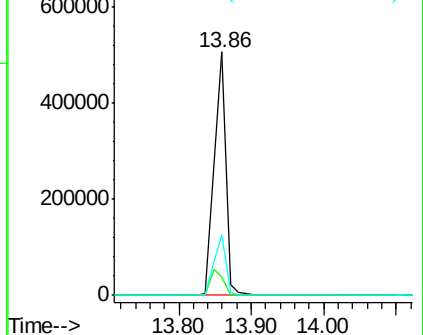
236 25.1 20.9 31.3



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: 96.47 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.03 min

Lab File: BF091998.D

Acq: 28 Dec 2016 17:01

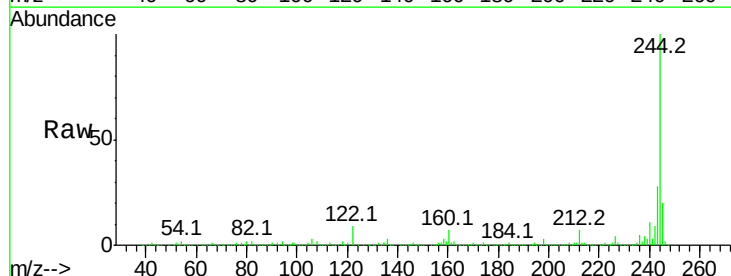
Tgt Ion:244 Resp: 2247931

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

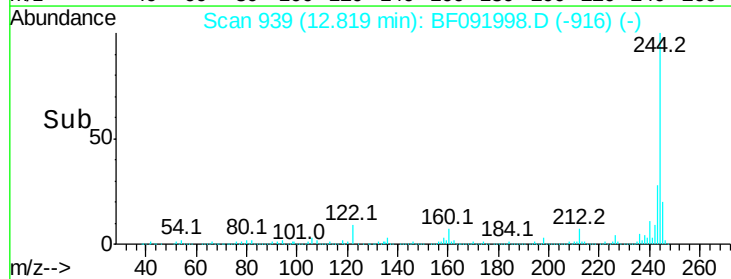
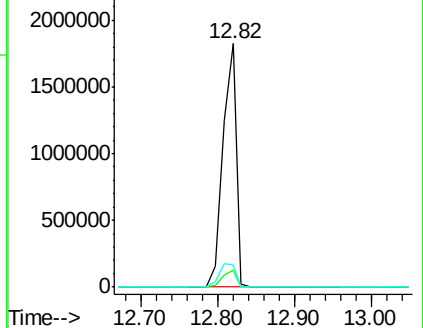
122 9.2 11.4 17.2#

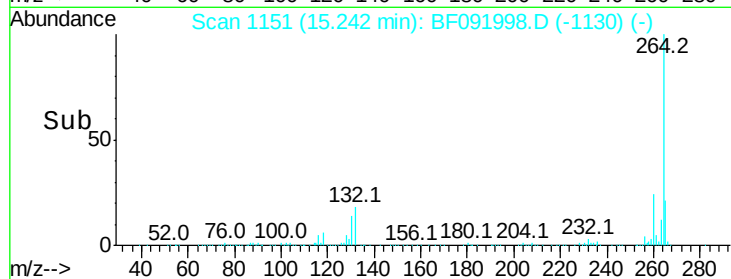
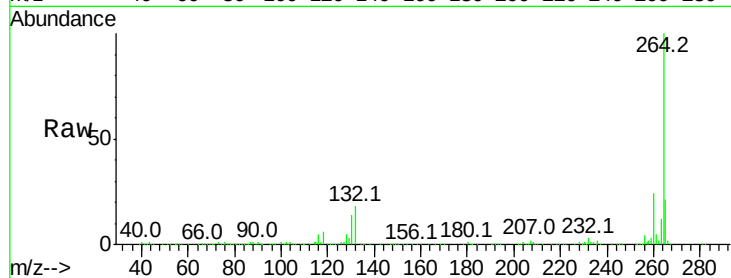
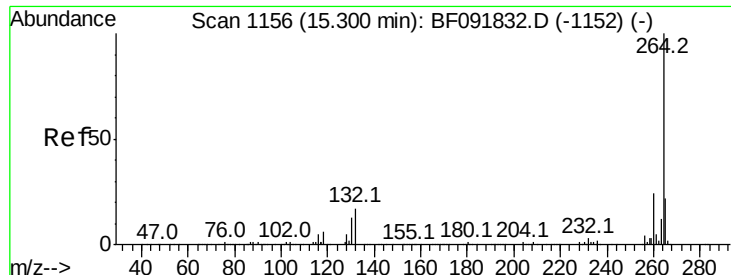


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.24 min Scan# 1151
Delta R.T. -0.06 min
Lab File: BF091998.D
Acq: 28 Dec 2016 17:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	406637
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	21.2	17.4	26.0

