

Data Path : Z:\HPCHEM1\BNA F\Data\BF122816\
 Data File : BF091999.D
 Acq On : 28 Dec 2016 17:29
 Operator : UM/SJ
 Sample : H6238-17
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 17:56:07 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	198270	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	778058	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	442943	20.00	ng	-0.01
63) Phenanthrene-d10	11.22	188	716540	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	629934	20.00	ng	-0.01
86) Perylene-d12	15.24	264	450335	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1637000	137.86	ng	0.01
7) Phenol-d6	6.37	99	1917483	132.26	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1525858	109.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	511466	139.53	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	2148332	101.95	ng	-0.01
78) Terphenyl-d14	12.82	244	2312965	89.05	ng	0.00

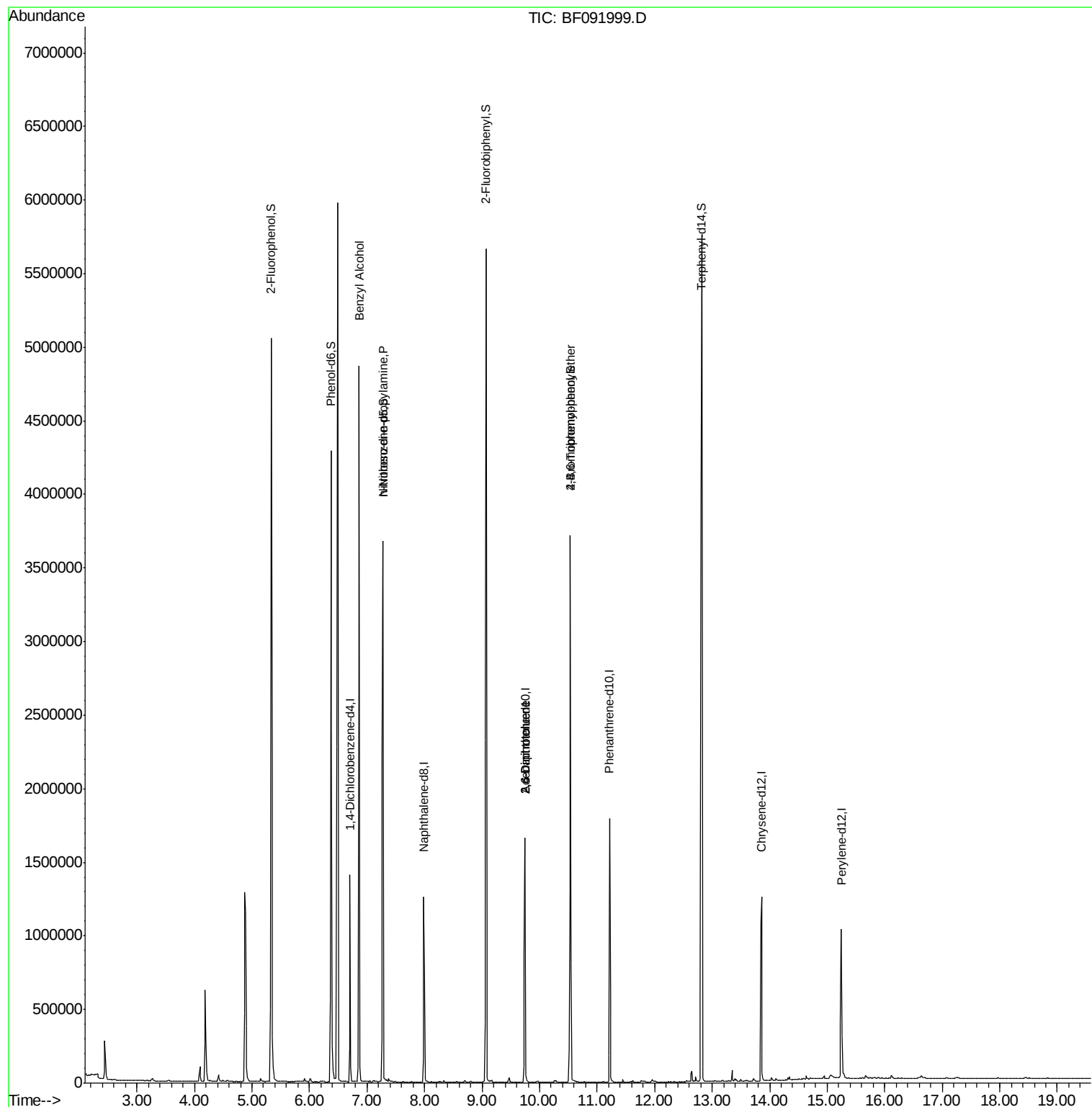
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.86	79	26200	2.33	ng	# 27
19) n-Nitroso-di-n-propylamine	7.28	70	210248	21.80	ng	# 75
37) 2-Methylnaphthalene	8.70	142	3610	Below Cal		96
50) 2,6-Dinitrotoluene	9.74	165	55345	8.93	ng	# 30
56) 2,4-Dinitrotoluene	9.74	165	55345	7.11	ng	# 19
66) 4-Bromophenyl-phenylether	10.53	248	31641	4.24	ng	# 1
71) Anthracene	11.24	178	6744	Below Cal		95
73) Di-n-butylphthalate	11.79	149	4253	Below Cal	#	76
74) Fluoranthene	12.43	202	507	Below Cal		61

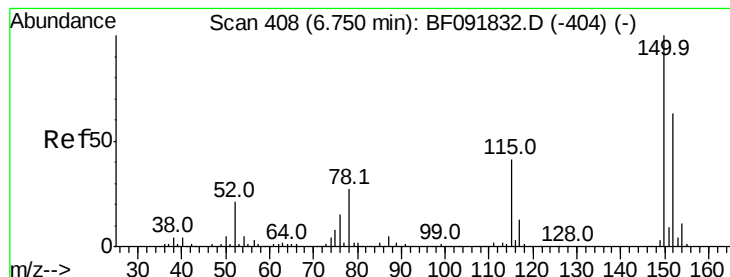
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF091999.D

Acq: 28 Dec 2016 17:29

Instrument :

BNA_F

ClientSampled :

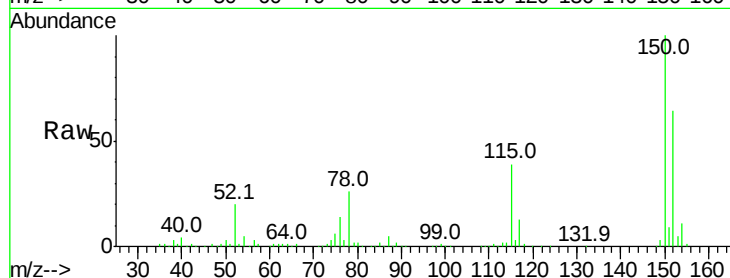
Tot Ion:152 Resp: 198270

Ion Ratio Lower Upper

152 100

150 156.0 124.9 187.3

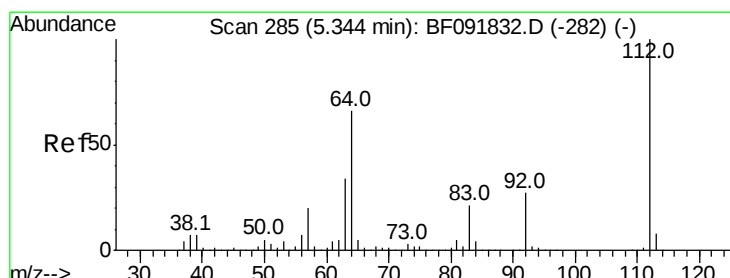
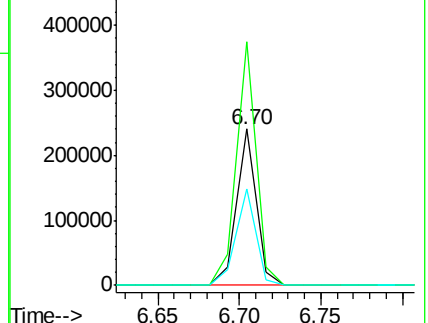
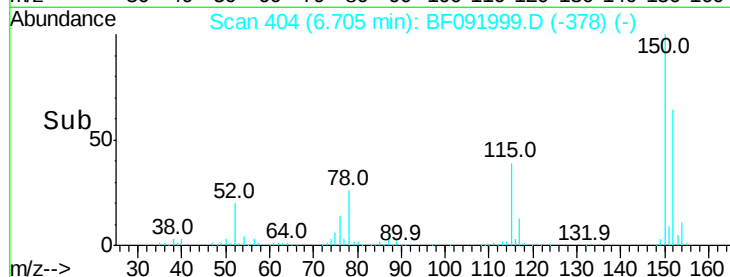
115 61.5 46.0 69.0



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: 137.86 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: BF091999.D

Acq: 28 Dec 2016 17:29

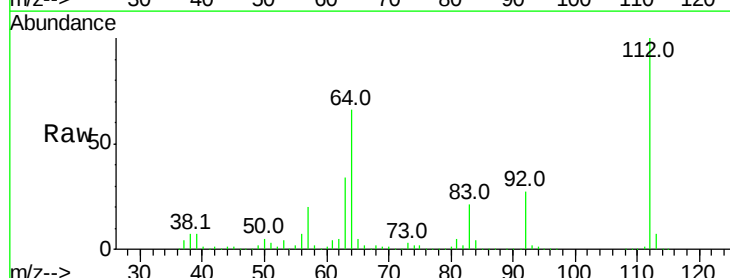
Tgt Ion:112 Resp: 1637000

Ion Ratio Lower Upper

112 100

64 66.5 46.1 69.1

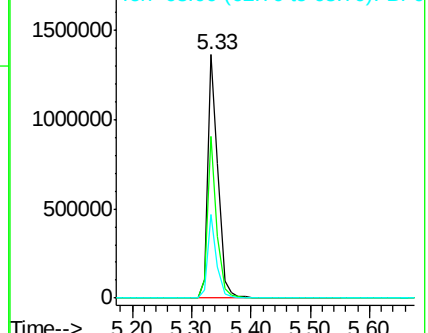
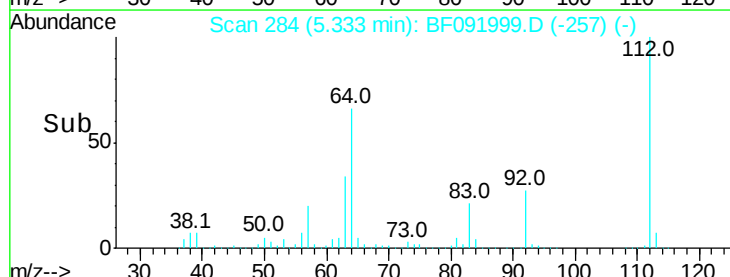
63 34.1 23.8 35.6

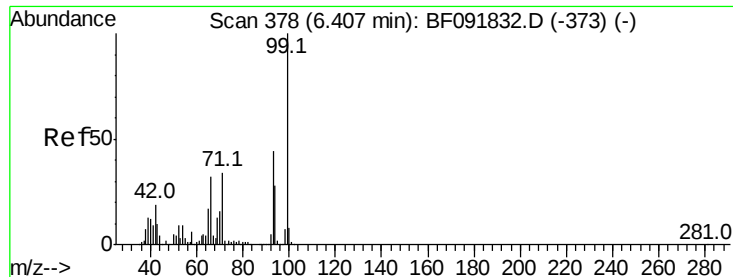


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.26 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF091999.D

Acq: 28 Dec 2016 17:29

Instrument :

BNA_F

ClientSampleId :

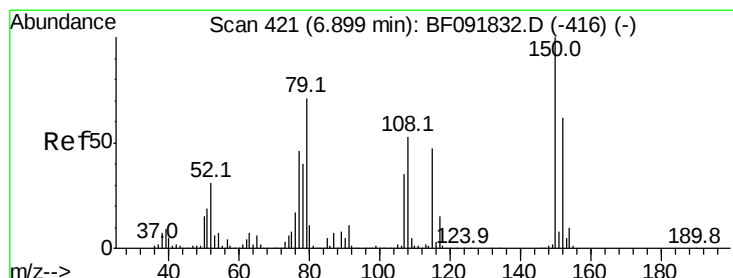
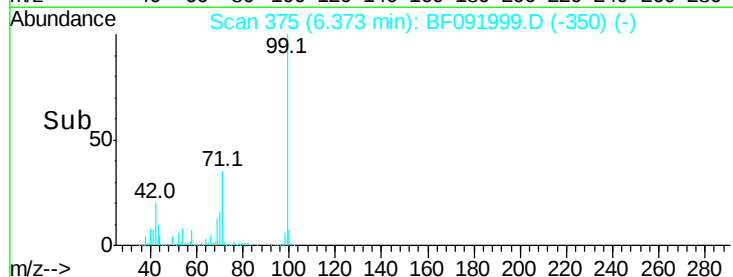
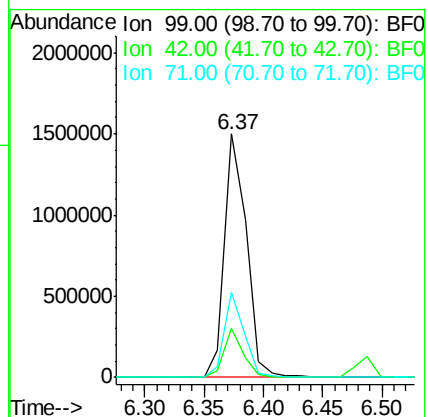
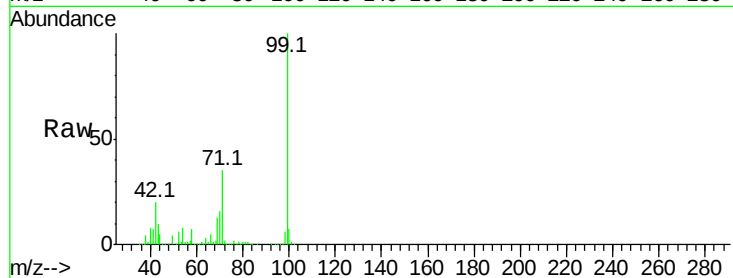
Tot Ion: 99 Resp: 1917483

Ion Ratio Lower Upper

99 100

42 20.0 15.6 23.4

71 35.1 27.5 41.3



#15

Benzyl Alcohol

Concen: 2.33 ng

RT: 6.86 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF091999.D

Acq: 28 Dec 2016 17:29

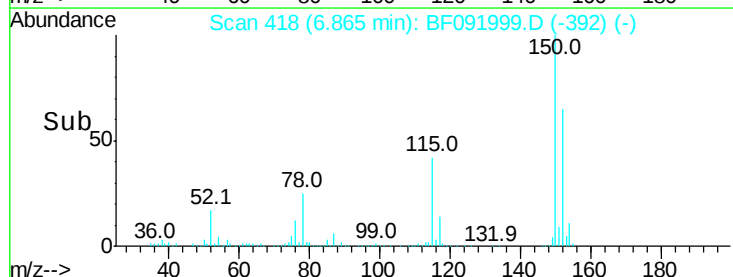
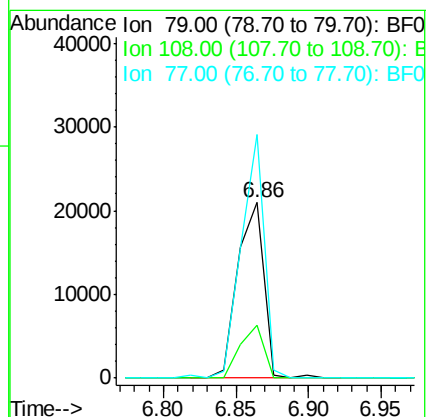
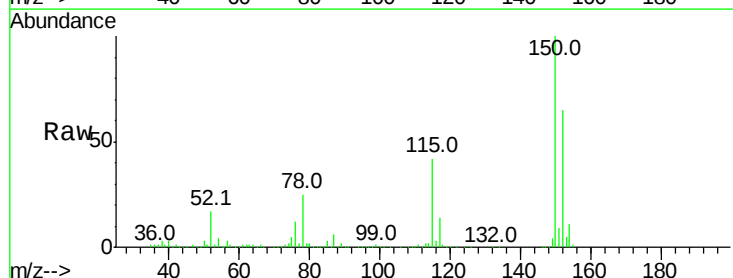
Tgt Ion: 79 Resp: 26200

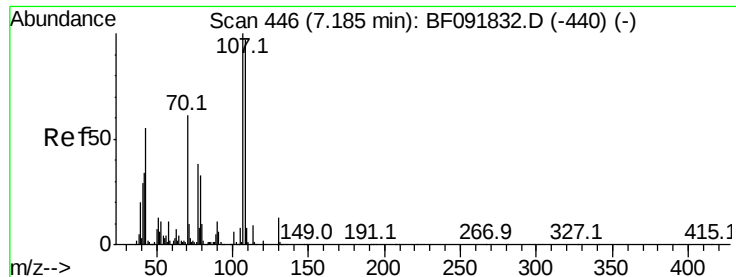
Ion Ratio Lower Upper

79 100

108 29.8 61.4 92.0#

77 138.8 50.9 76.3#





#19

n-Nitroso-di-n-propylamine

Concen: 21.80 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.14 min

Lab File: BF091999.D

Acq: 28 Dec 2016 17:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 210248

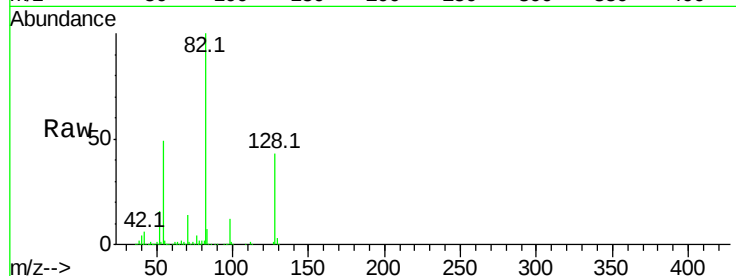
Ion Ratio Lower Upper

70 100

42 44.9 49.4 74.0#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

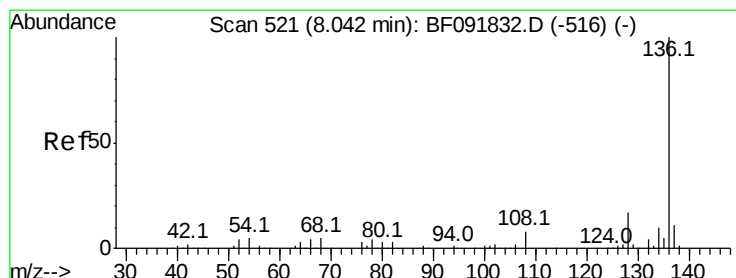
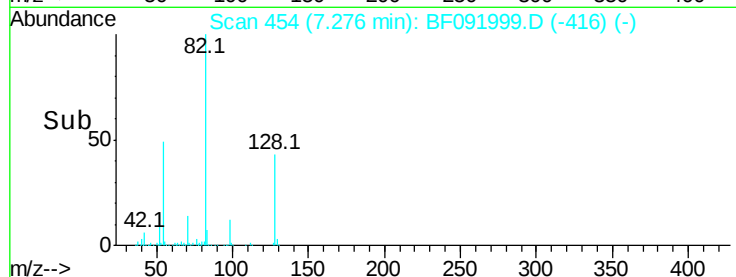
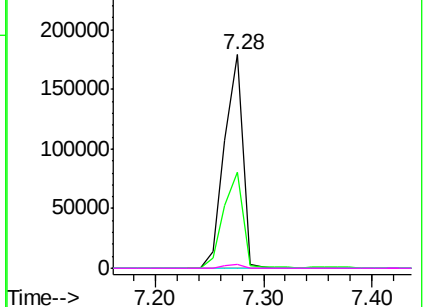


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF091999.D

Acq: 28 Dec 2016 17:29

Tgt Ion: 136 Resp: 778058

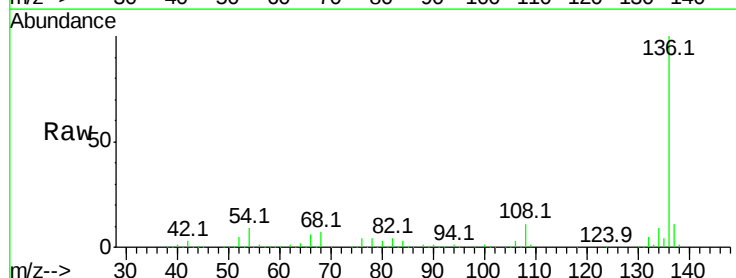
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 9.3 4.5 6.7#

68 7.0 3.6 5.4#

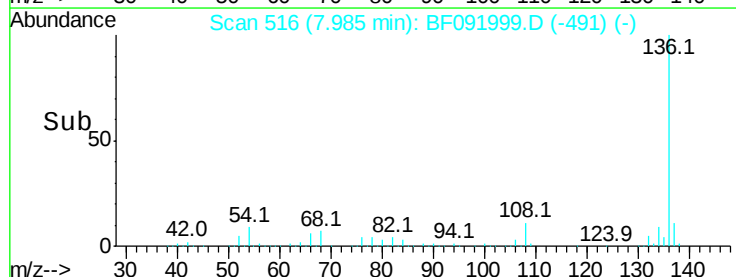
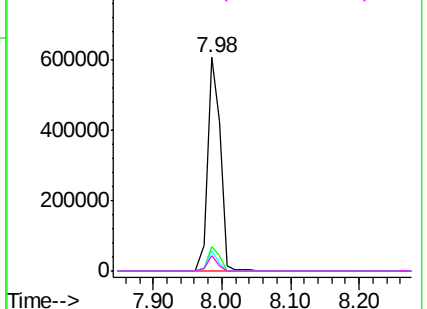


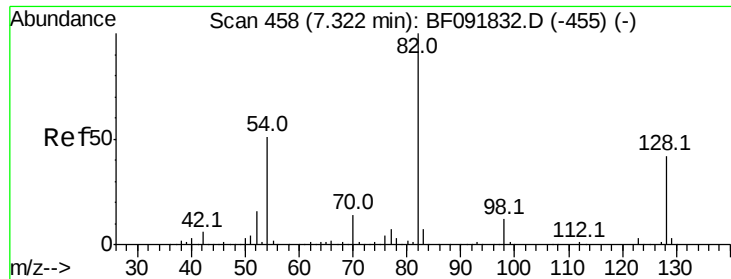
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

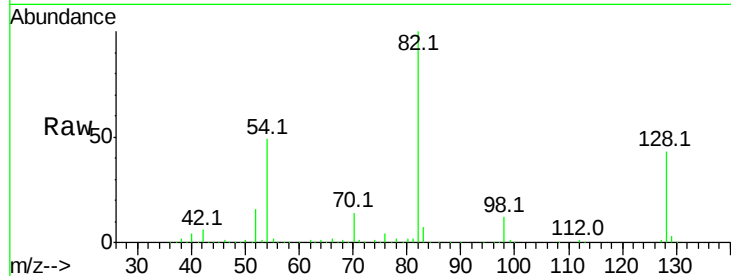




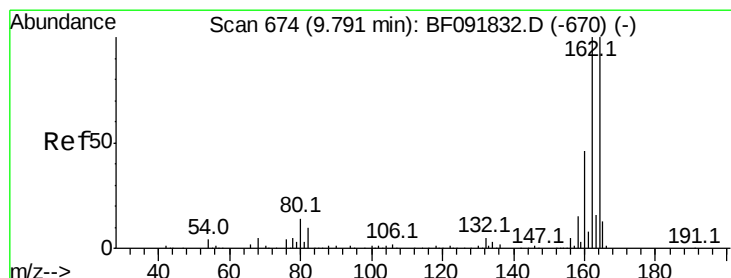
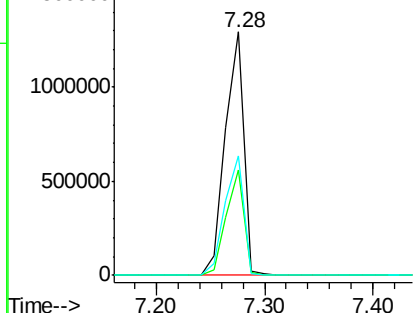
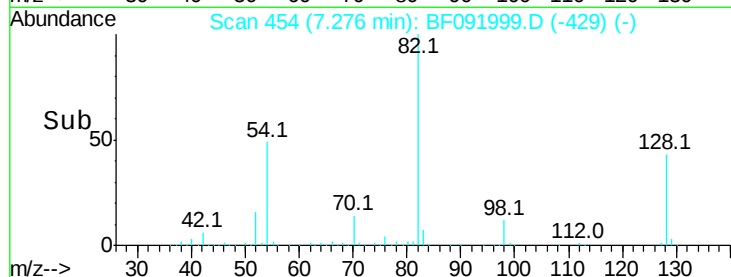
#23
Nitrobenzene-d5
Concen: 109.05 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF091999.D
Acq: 28 Dec 2016 17:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1525858
Ion Ratio Lower Upper
82 100
128 43.5 34.6 52.0
54 48.9 39.5 59.3

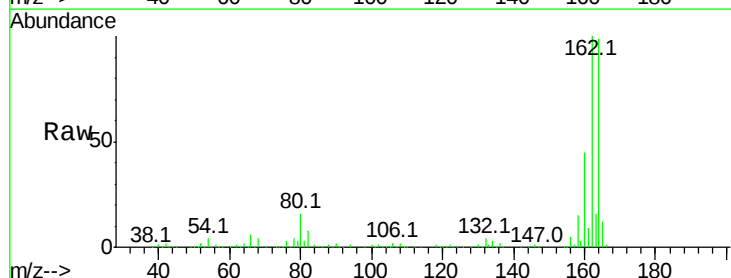


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

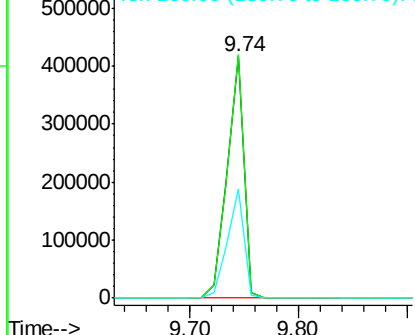
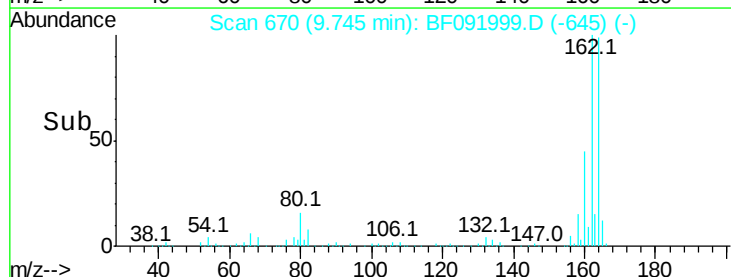


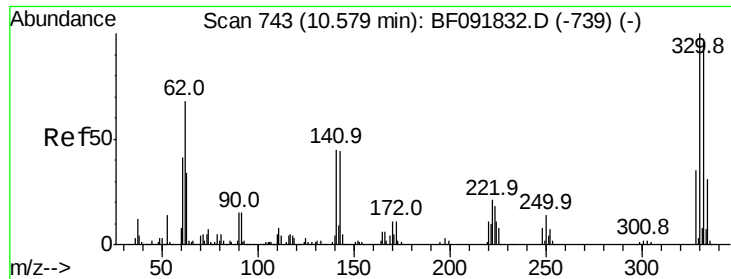
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF091999.D
Acq: 28 Dec 2016 17:29

Tgt Ion:164 Resp: 442943
Ion Ratio Lower Upper
164 100
162 100.6 80.2 120.2
160 45.4 36.9 55.3



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

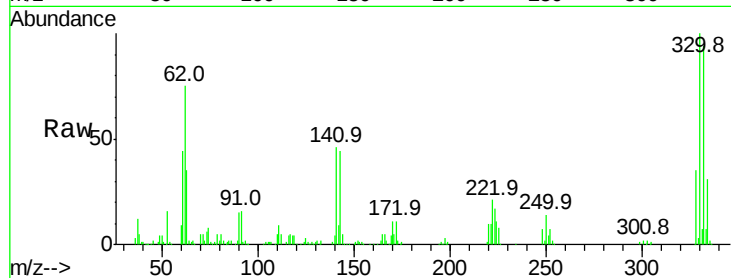




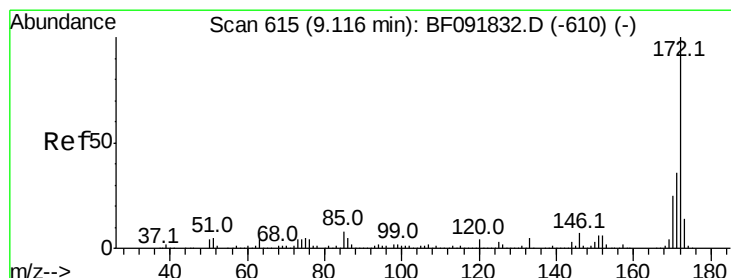
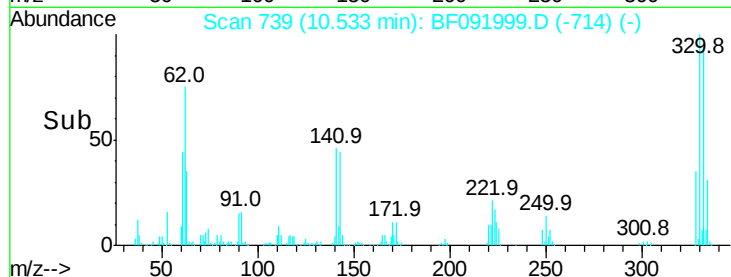
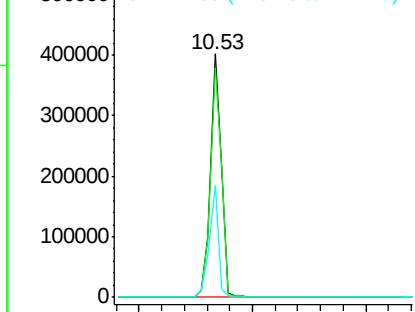
#41
 2,4,6-Tribromophenol
 Concen: 139.53 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: BF091999.D
 Acq: 28 Dec 2016 17:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.2
141	37.9	34.1	51.1

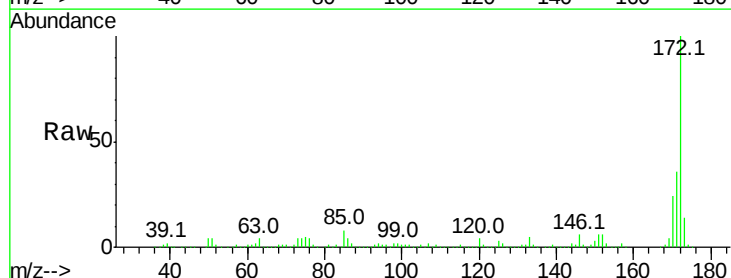


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

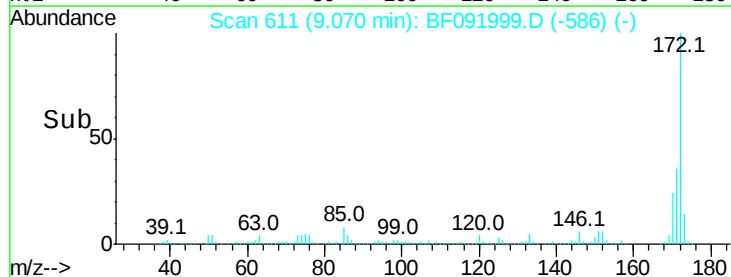
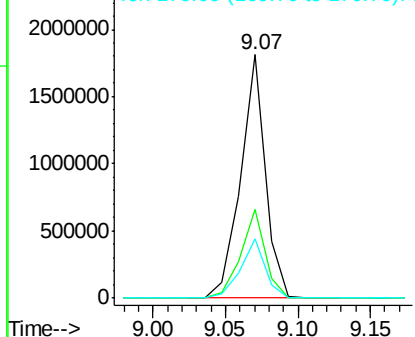


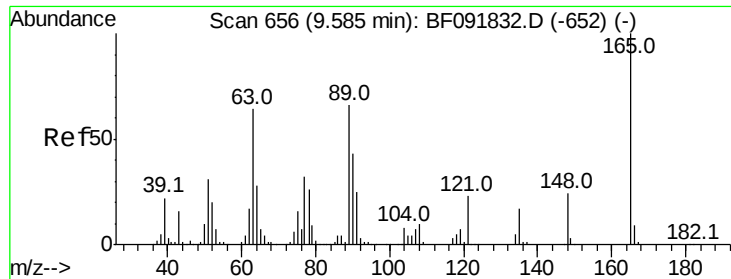
#44
 2-Fluorobiphenyl
 Concen: 101.95 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF091999.D
 Acq: 28 Dec 2016 17:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.5	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

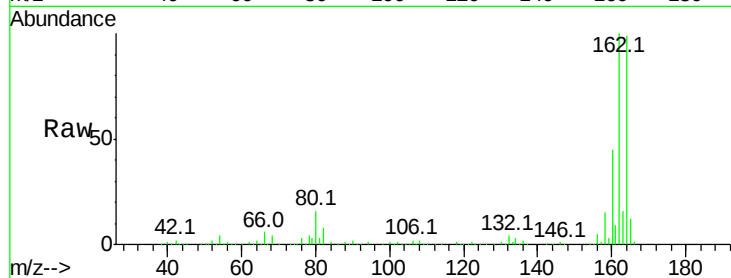




#50
2,6-Dinitrotoluene
Concen: 8.93 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.19 min
Lab File: BF091999.D
Acq: 28 Dec 2016 17:29

Instrument :
BNA_F
ClientSampleId :

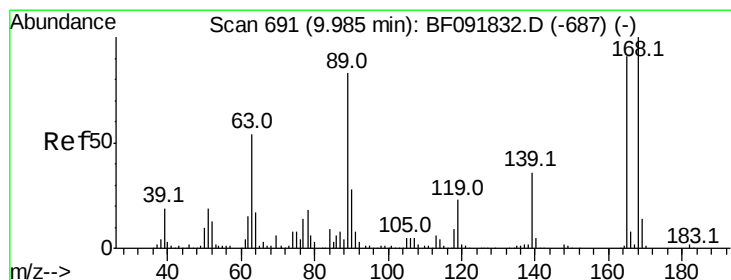
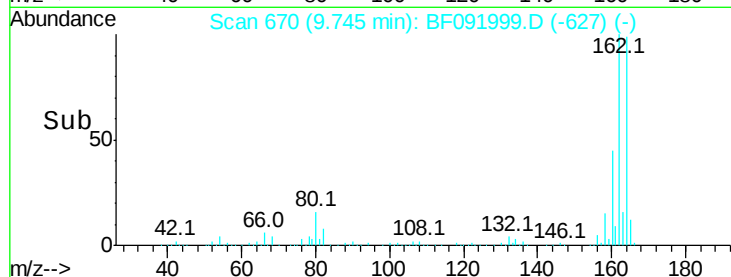
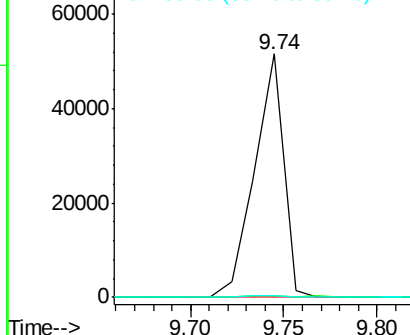
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.6	36.2	54.4#
89	0.9	40.2	60.4#



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: 7.11 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.21 min
Lab File: BF091999.D
Acq: 28 Dec 2016 17:29

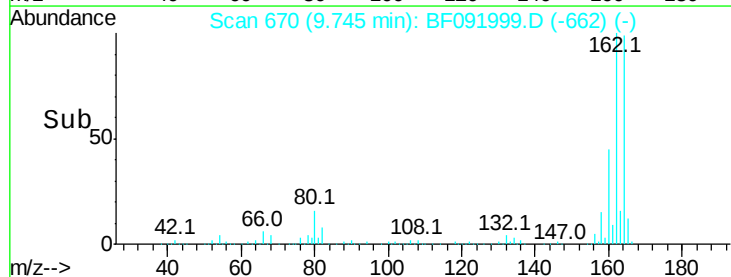
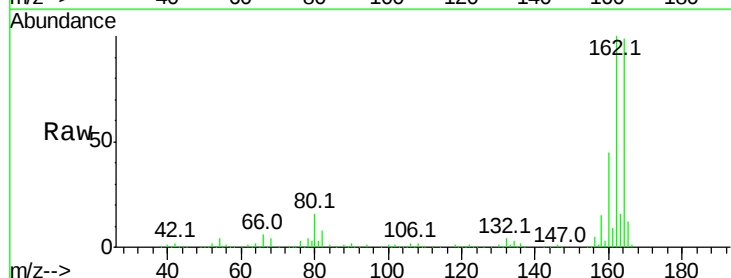
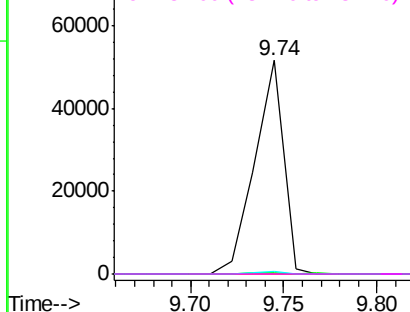
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.6	40.2	60.4#
89	0.9	62.5	93.7#
182	0.0	1.8	2.8#

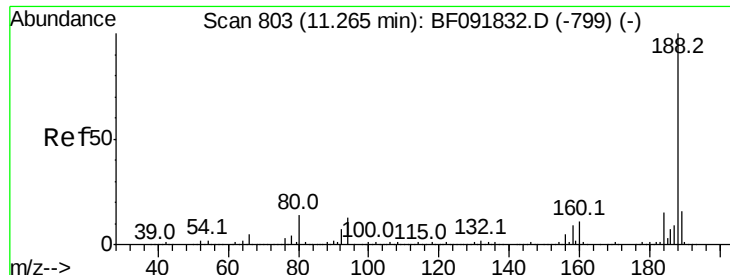
Abundance Ion 165.00 (164.70 to 165.70): E

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

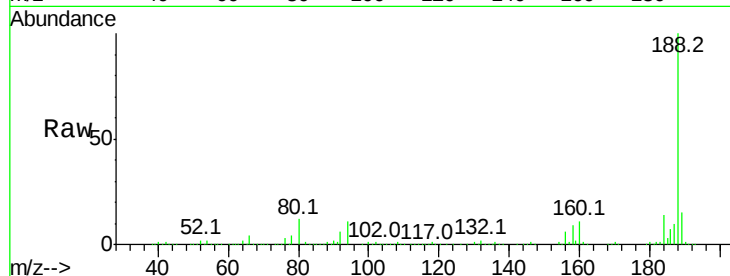




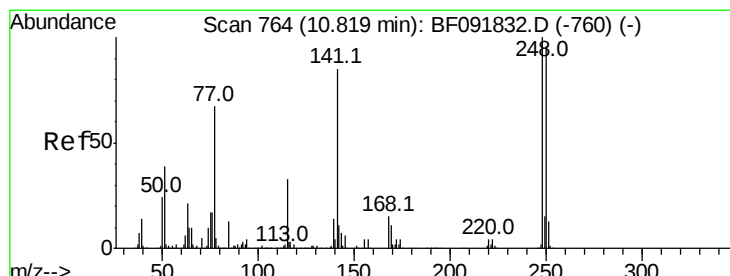
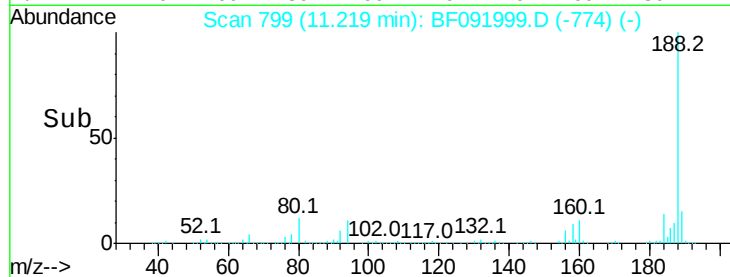
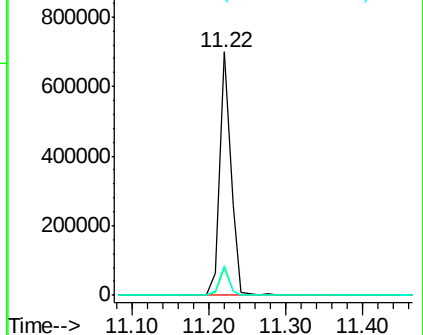
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF091999.D
 Acq: 28 Dec 2016 17:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 716540
 Ion Ratio Lower Upper
 188 100
 94 11.3 10.0 15.0
 80 12.4 11.2 16.8

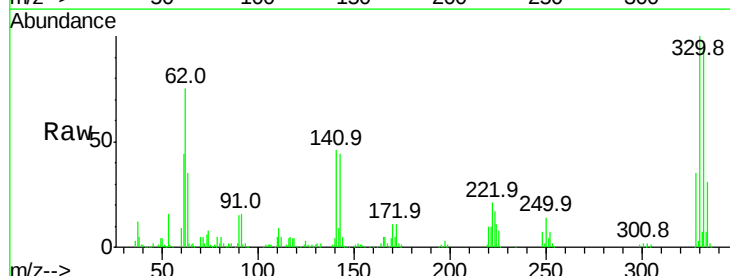


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

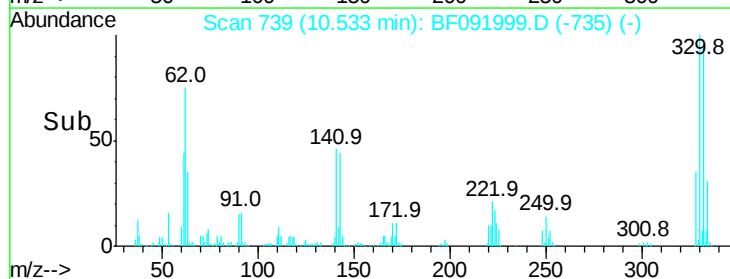
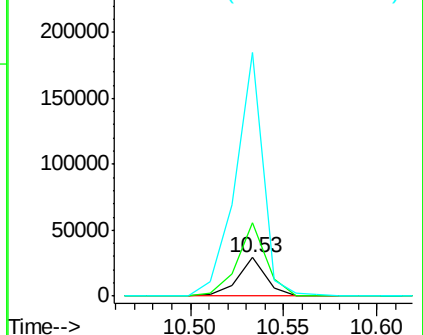


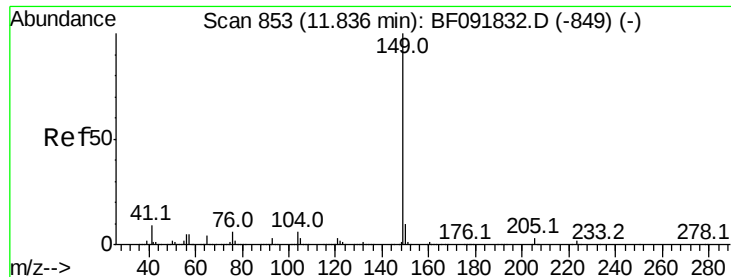
#66
 4-Bromophenyl-phenylether
 Concen: 4.24 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.25 min
 Lab File: BF091999.D
 Acq: 28 Dec 2016 17:29

Tgt Ion:248 Resp: 31641
 Ion Ratio Lower Upper
 248 100
 250 188.0 76.9 115.3#
 141 628.2 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. -0.01 min

Lab File: BF091999.D

Acq: 28 Dec 2016 17:29

Instrument :

BNA_F

ClientSampleId :

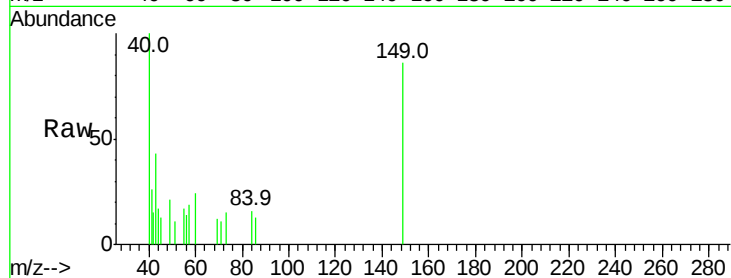
Tot Ion:149 Resp: 4253

Ion Ratio Lower Upper

149 100

150 0.0 8.1 12.1#

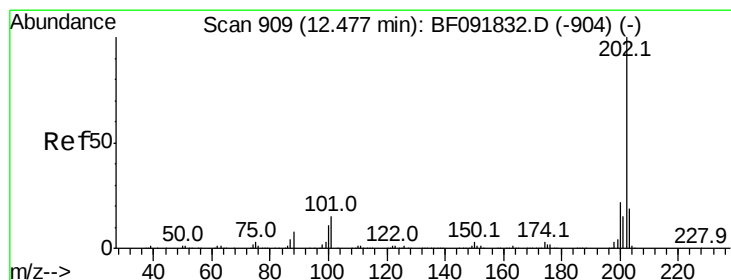
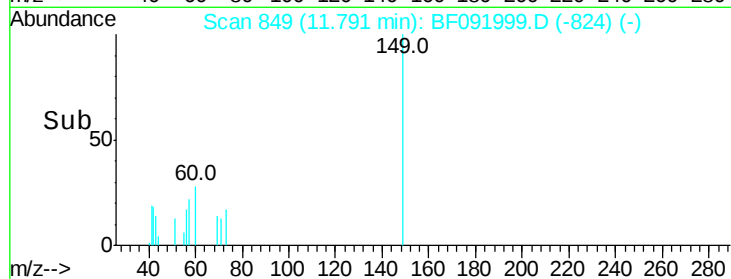
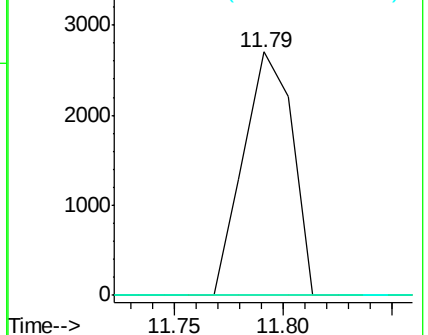
104 0.0 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: Below Cal

RT: 12.43 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF091999.D

Acq: 28 Dec 2016 17:29

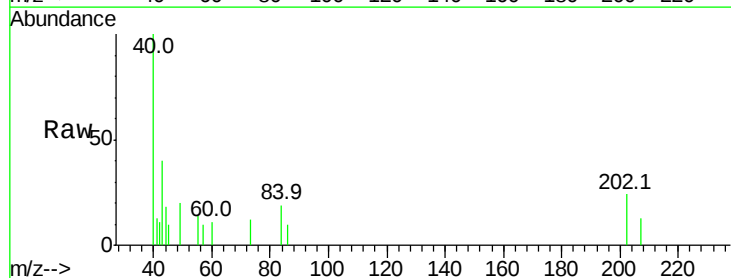
Tgt Ion:202 Resp: 507

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

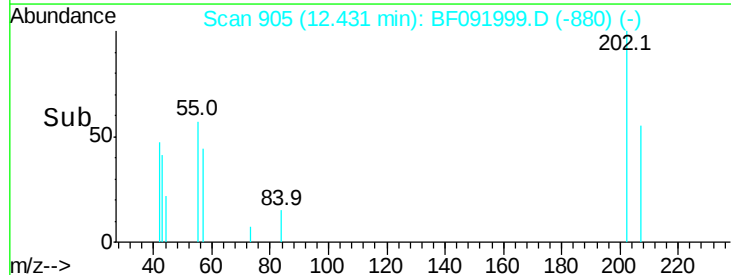
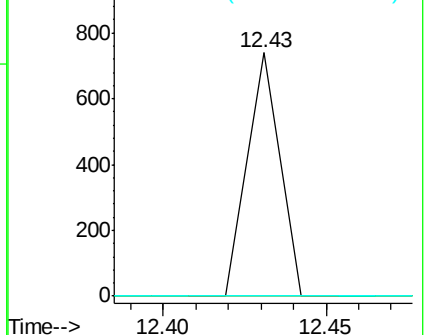
203 0.0 0.0 38.7

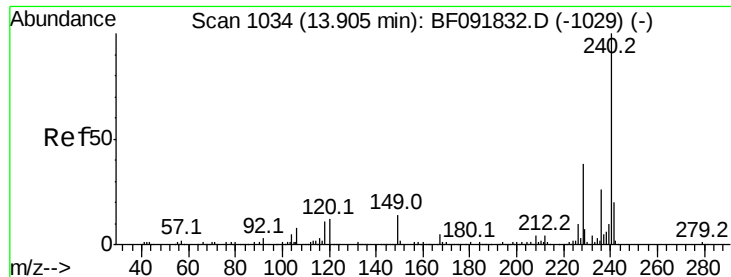


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF091999.D

Acq: 28 Dec 2016 17:29

Instrument :

BNA_F

ClientSampleId :

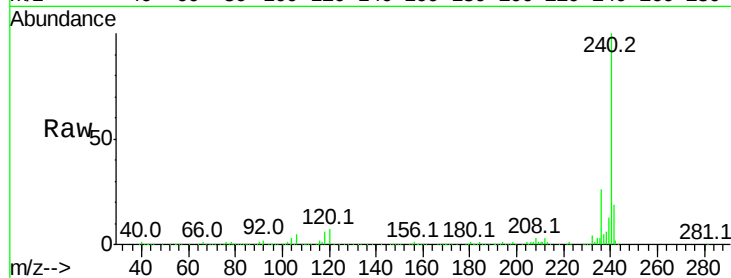
Tot Ion:240 Resp: 629934

Ion Ratio Lower Upper

240 100

120 7.3 12.9 19.3#

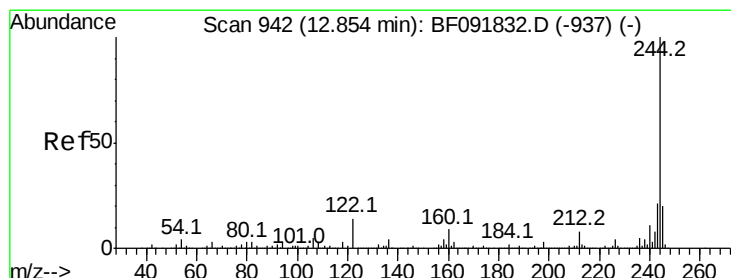
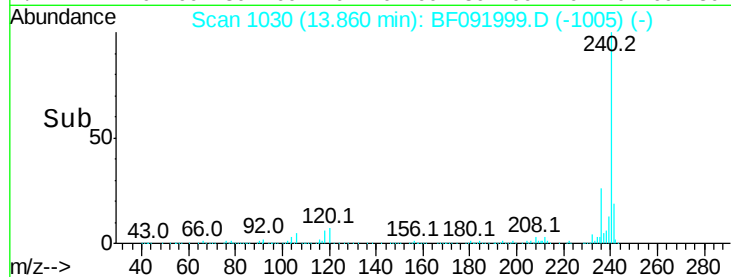
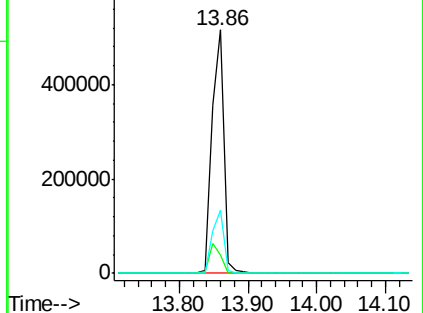
236 25.8 20.9 31.3



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: 89.05 ng

RT: 12.82 min Scan# 939

Delta R.T. 0.00 min

Lab File: BF091999.D

Acq: 28 Dec 2016 17:29

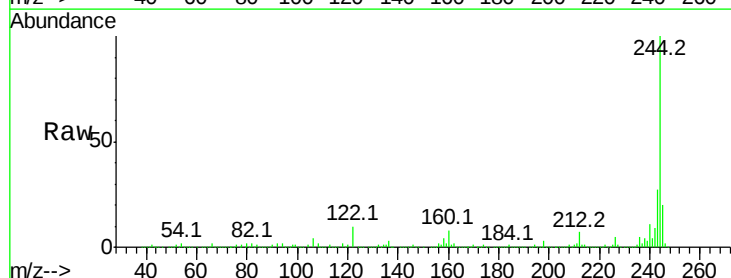
Tgt Ion:244 Resp: 2312965

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

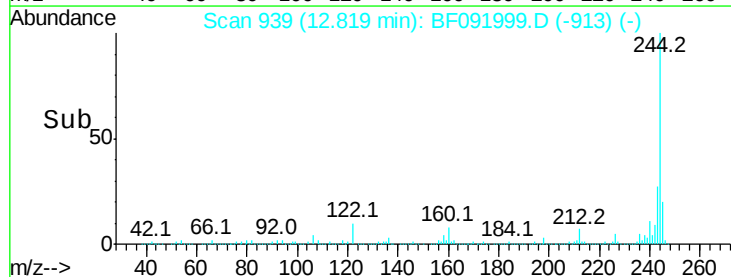
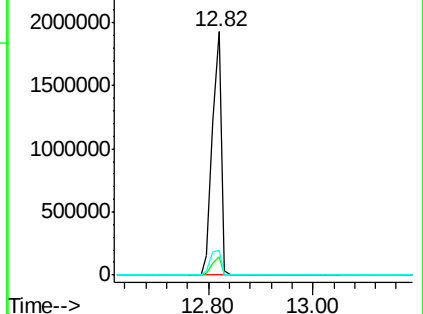
122 10.2 11.4 17.2#

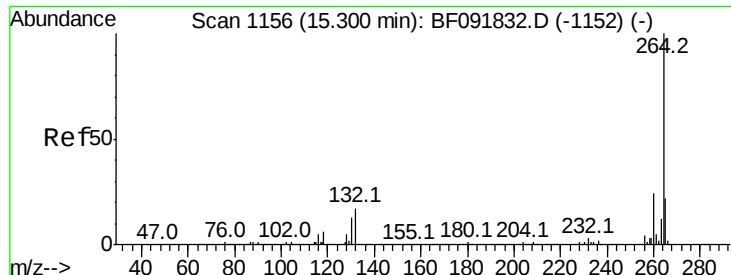


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

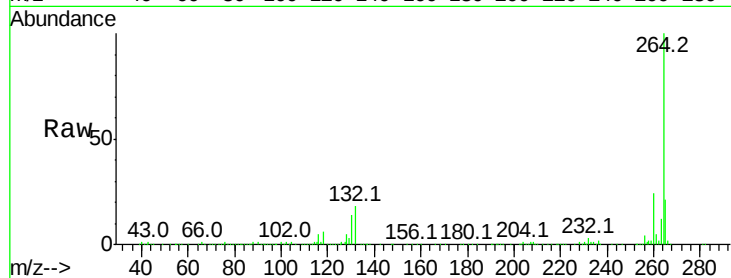




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF091999.D
Acq: 28 Dec 2016 17:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	20.9	17.4	26.0



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

