

Data Path : Z:\HPCHEM1\BNA F\Data\BF122816\
 Data File : BF091997.D
 Acq On : 28 Dec 2016 16:33
 Operator : UM/SJ
 Sample : H6226-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 17:01:18 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	253640	20.00	ng	-0.05
21) Naphthalene-d8	7.98	136	856603	20.00	ng	-0.06
38) Acenaphthene-d10	9.74	164	486125	20.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	848654	20.00	ng	-0.05
75) Chrysene-d12	13.86	240	748344	20.00	ng	-0.05
86) Perylene-d12	15.24	264	497580	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1873029	123.30	ng	-0.01
7) Phenol-d6	6.37	99	1815835	97.91	ng	-0.03
23) Nitrobenzene-d5	7.28	82	1482216	96.22	ng	-0.05
41) 2,4,6-Tribromophenol	10.53	330	504904	125.50	ng	-0.05
44) 2-Fluorobiphenyl	9.07	172	2325988	100.37	ng	-0.05
78) Terphenyl-d14	12.82	244	2636647	85.45	ng	-0.03

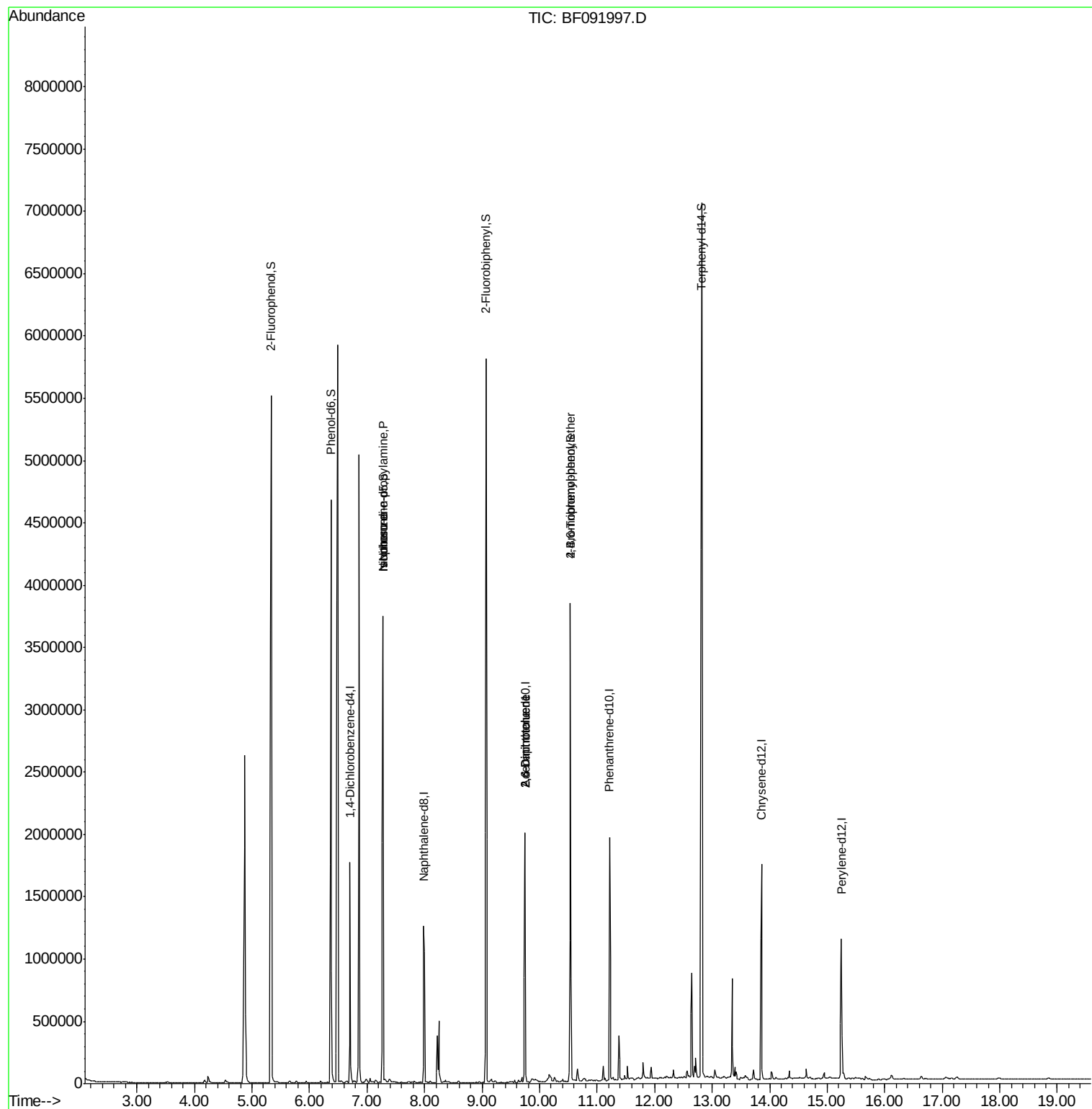
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.37	77	2551	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.28	70	200967	16.29	ng	77
25) Isophorone	7.28	82	1418387	49.91	ng	65
37) 2-Methylnaphthalene	8.70	142	634	Below Cal	#	89
50) 2,6-Dinitrotoluene	9.74	165	64172	9.43	ng	30
56) 2,4-Dinitrotoluene	9.74	165	64174	7.51	ng	19
66) 4-Bromophenyl-phenylether	10.53	248	29778	3.37	ng	1
71) Anthracene	11.24	178	2026	Below Cal	#	60
73) Di-n-butylphthalate	11.79	149	14713	Below Cal		97
74) Fluoranthene	12.43	202	273	Below Cal		61
76) Benzydine	12.57	184	28210	Below Cal		96

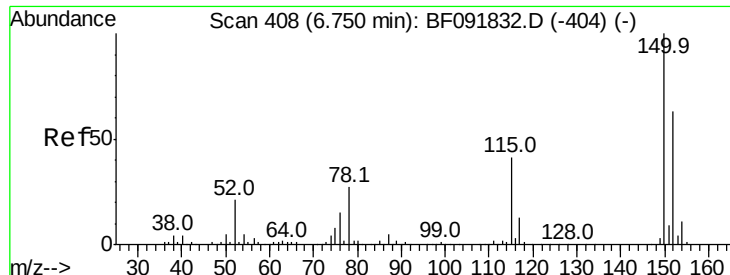
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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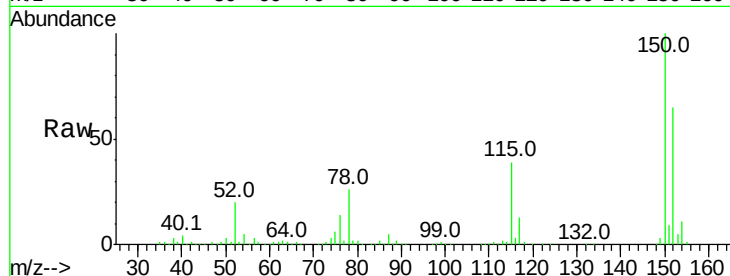


#1

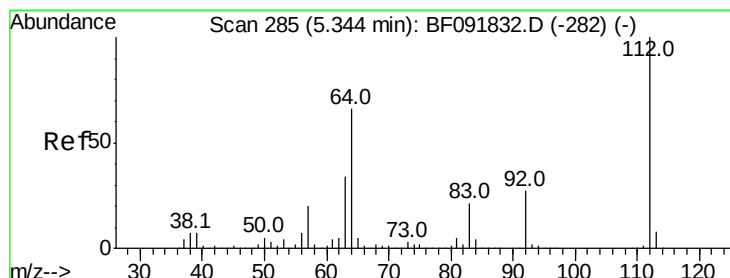
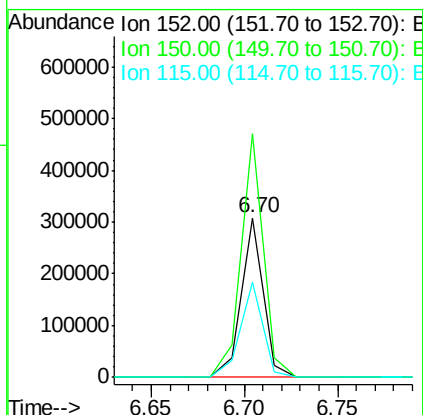
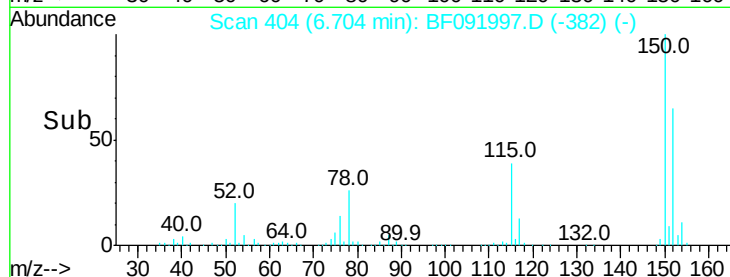
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.05 min
Lab File: BF091997.D
Acq: 28 Dec 2016 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 253640
Ion Ratio Lower Upper
152 100
150 152.9 124.9 187.3
115 60.1 46.0 69.0



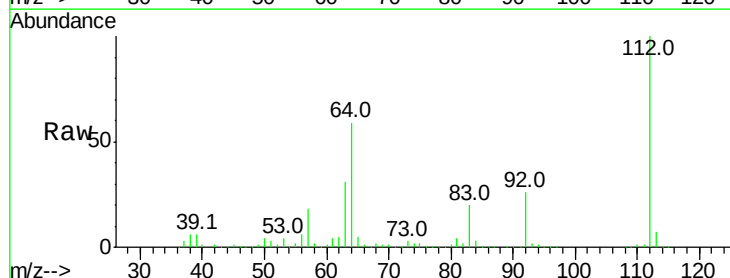
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



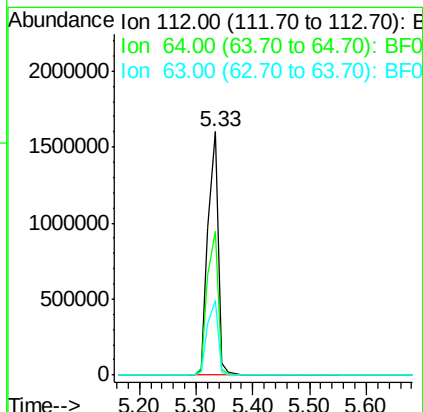
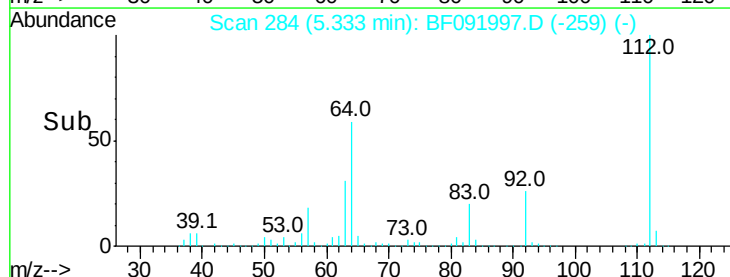
#5

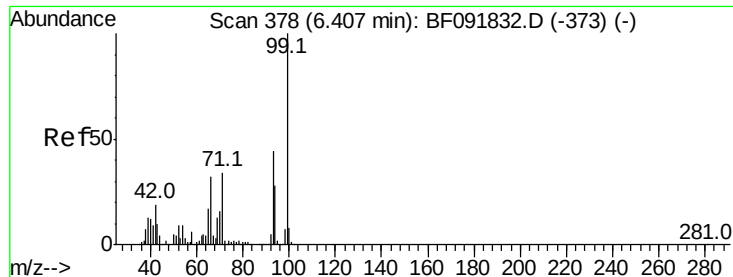
2-Fluorophenol
Concen: 123.30 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.01 min
Lab File: BF091997.D
Acq: 28 Dec 2016 16:33

Tgt Ion:112 Resp: 1873029
Ion Ratio Lower Upper
112 100
64 59.1 46.1 69.1
63 30.8 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: 97.91 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.03 min

Lab File: BF091997.D

Acq: 28 Dec 2016 16:33

Instrument :

BNA_F

ClientSampleId :

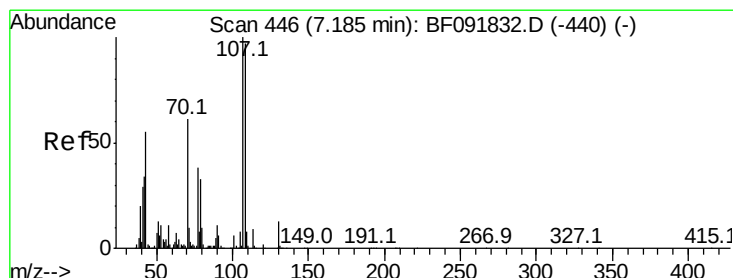
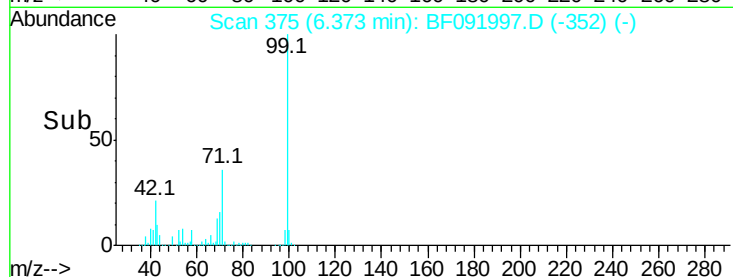
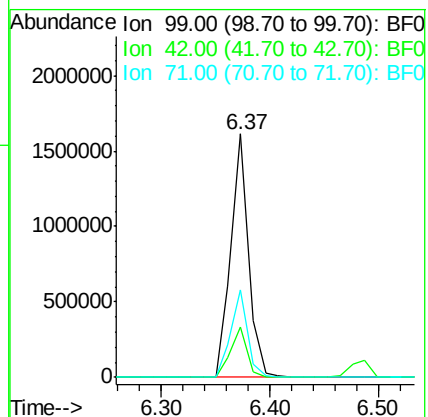
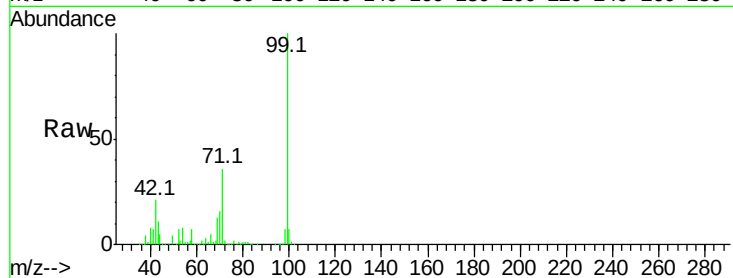
Tot Ion: 99 Resp: 1815835

Ion Ratio Lower Upper

99 100

42 20.6 15.6 23.4

71 35.9 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.29 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.09 min

Lab File: BF091997.D

Acq: 28 Dec 2016 16:33

Tgt Ion: 70 Resp: 200967

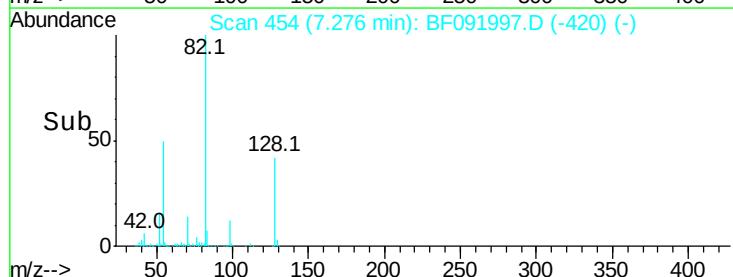
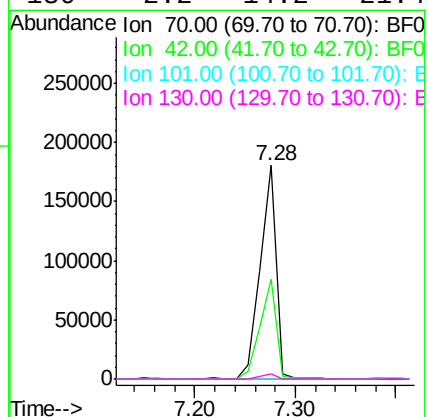
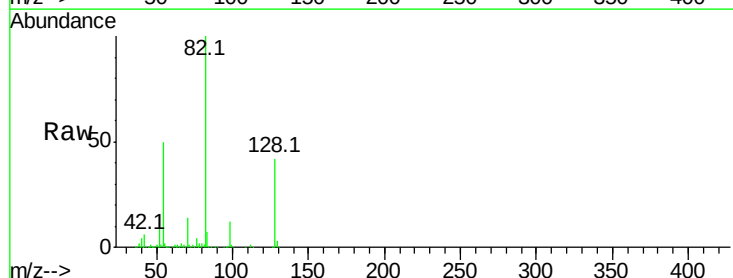
Ion Ratio Lower Upper

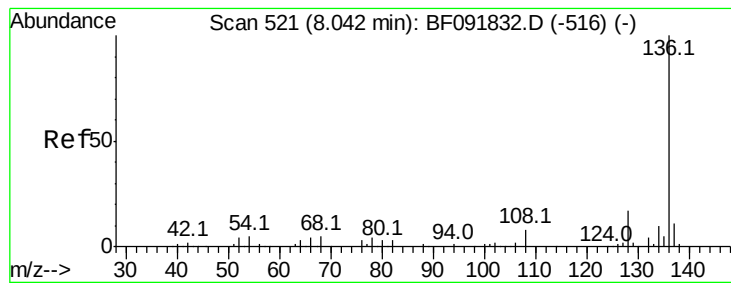
70 100

42 46.9 49.4 74.0#

101 0.0 7.4 11.2#

130 2.2 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: BF091997.D

Acq: 28 Dec 2016 16:33

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 856603

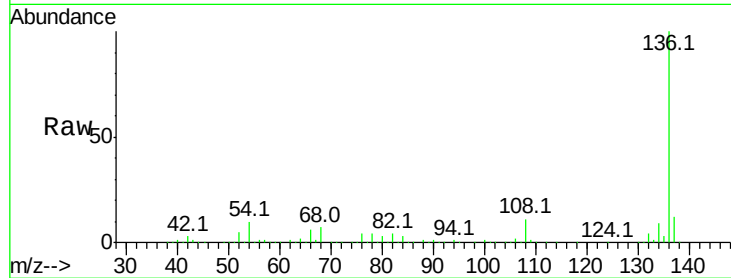
Ion Ratio Lower Upper

136 100

137 11.6 8.4 12.6

54 9.5 4.5 6.7#

68 7.1 3.6 5.4#

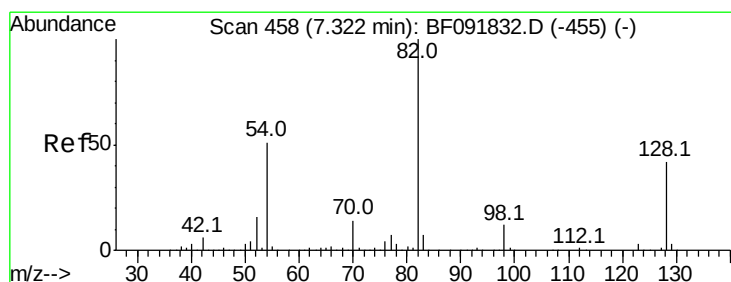
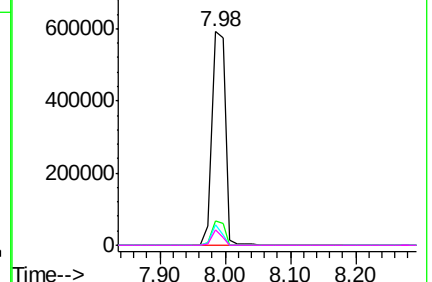
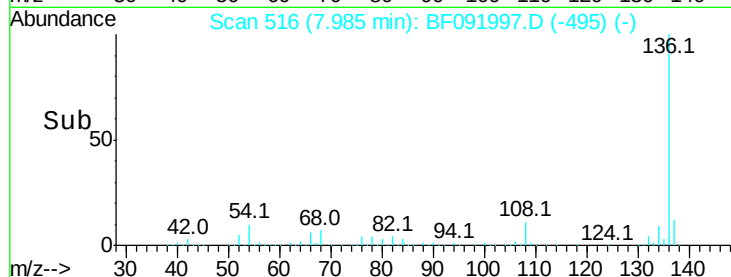


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.22 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.05 min

Lab File: BF091997.D

Acq: 28 Dec 2016 16:33

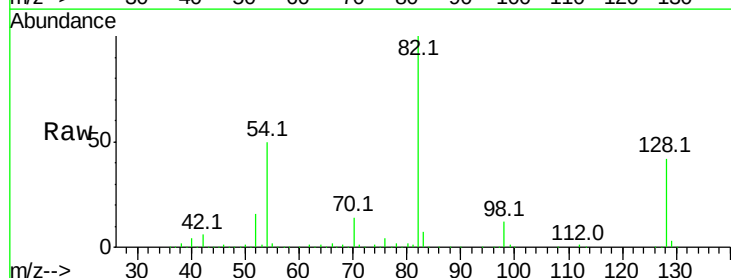
Tgt Ion: 82 Resp: 1482216

Ion Ratio Lower Upper

82 100

128 41.5 34.6 52.0

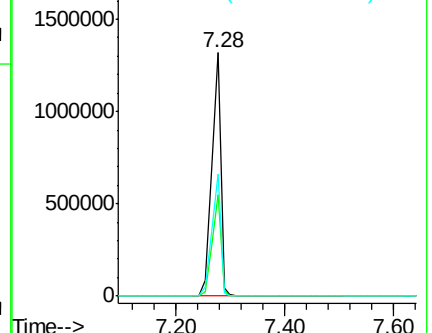
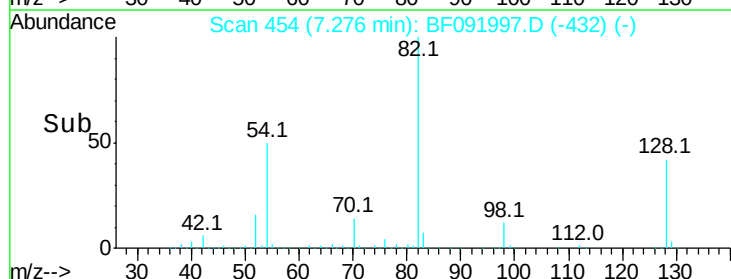
54 50.2 39.5 59.3

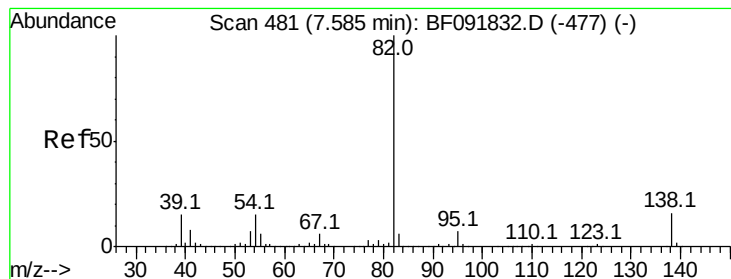


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 49.91 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.31 min

Lab File: BF091997.D

Acq: 28 Dec 2016 16:33

Instrument :

BNA_F

ClientSampleId :

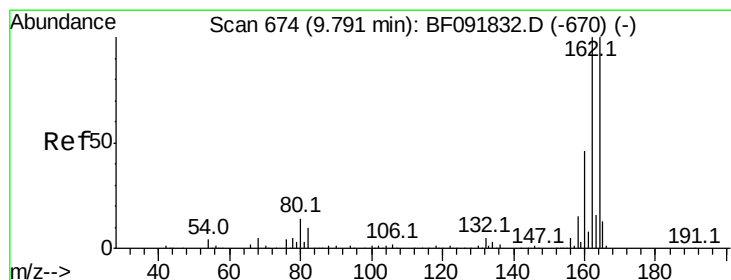
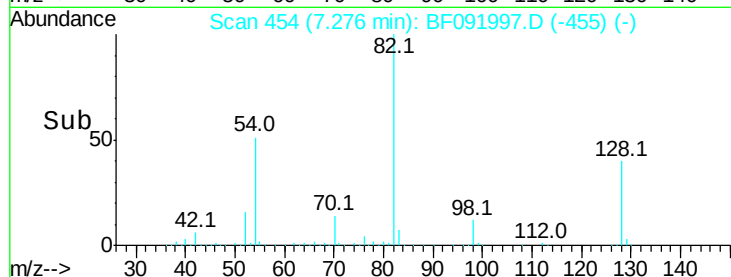
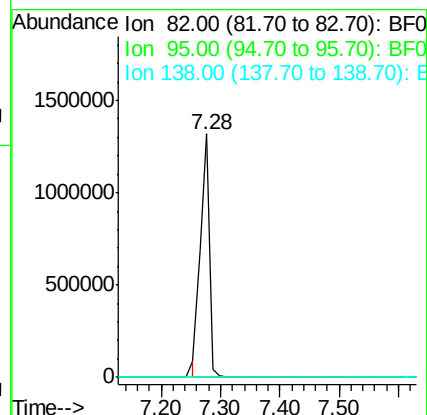
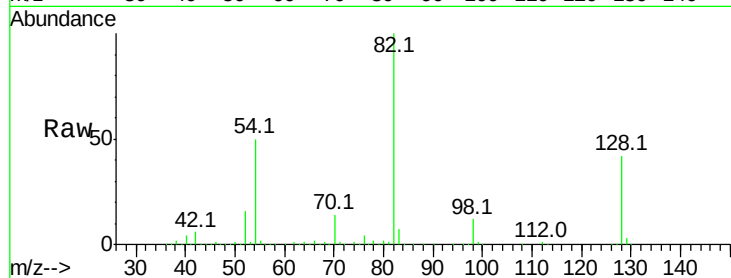
Tot Ion: 82 Resp: 1418387

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.05 min

Lab File: BF091997.D

Acq: 28 Dec 2016 16:33

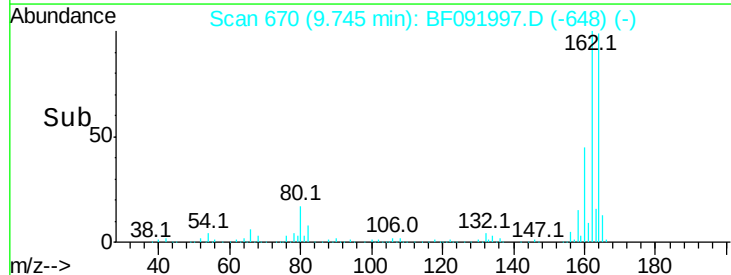
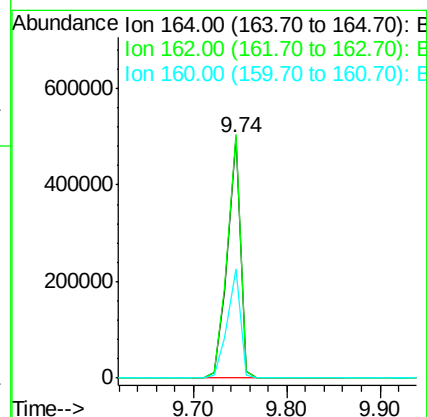
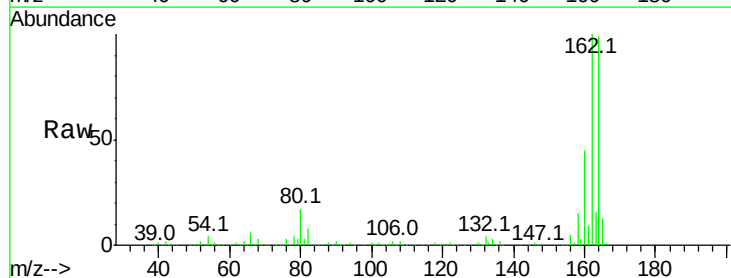
Tgt Ion:164 Resp: 486125

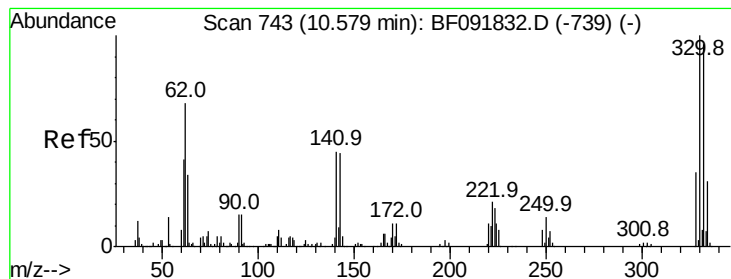
Ion Ratio Lower Upper

164 100

162 101.2 80.2 120.2

160 45.4 36.9 55.3





#41

2,4,6-Tribromophenol

Concen: 125.50 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.05 min

Lab File: BF091997.D

Acq: 28 Dec 2016 16:33

Instrument :

BNA_F

ClientSampled :

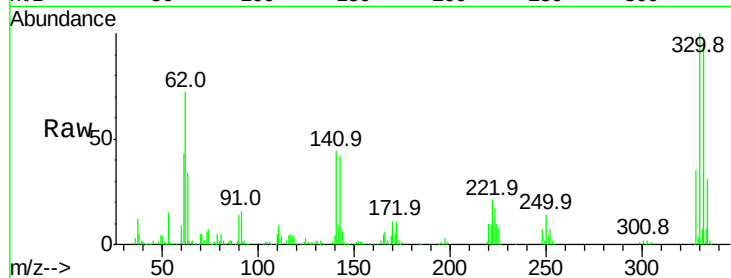
Tot Ion:330 Resp: 504904

Ion Ratio Lower Upper

330 100

332 95.0 77.4 116.2

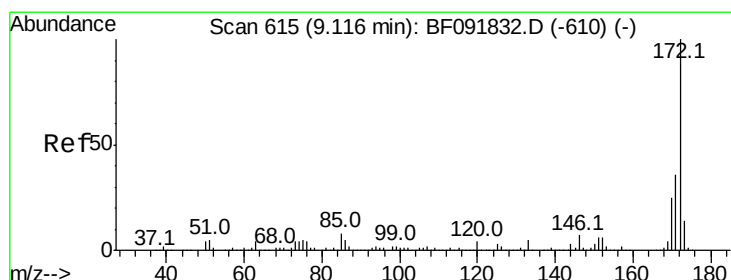
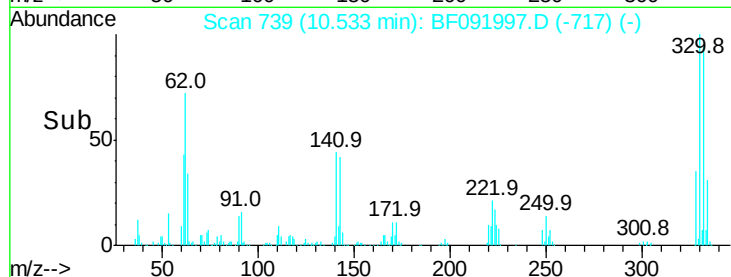
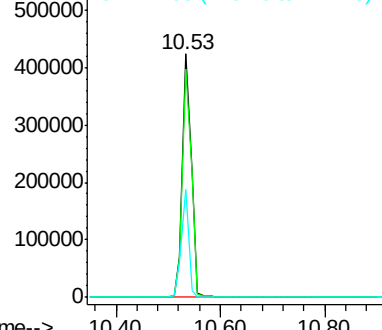
141 36.7 34.1 51.1



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: 100.37 ng

RT: 9.07 min Scan# 611

Delta R.T. -0.05 min

Lab File: BF091997.D

Acq: 28 Dec 2016 16:33

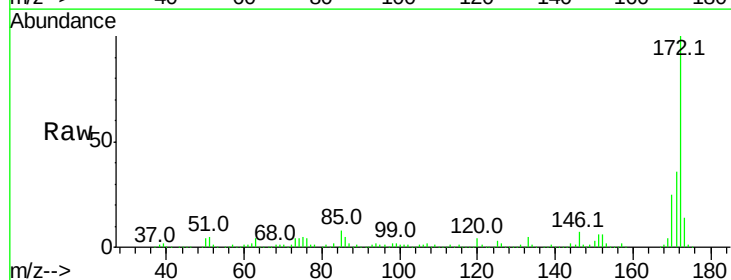
Tgt Ion:172 Resp: 2325988

Ion Ratio Lower Upper

172 100

171 36.1 29.4 44.0

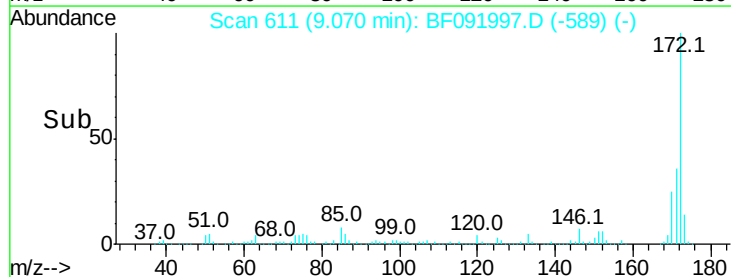
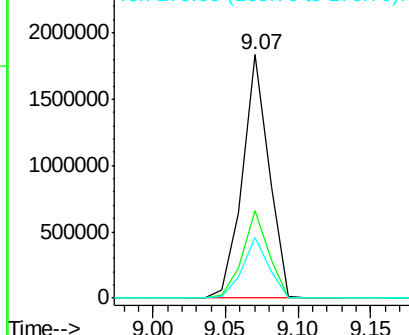
170 25.1 20.2 30.4

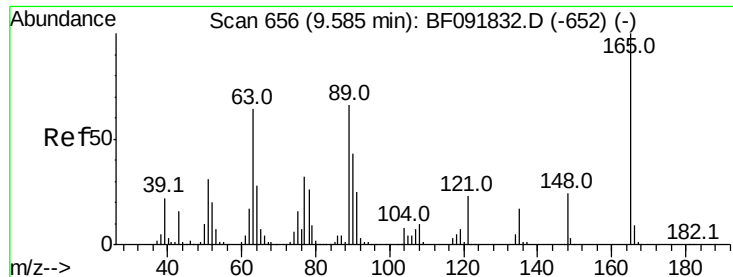


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

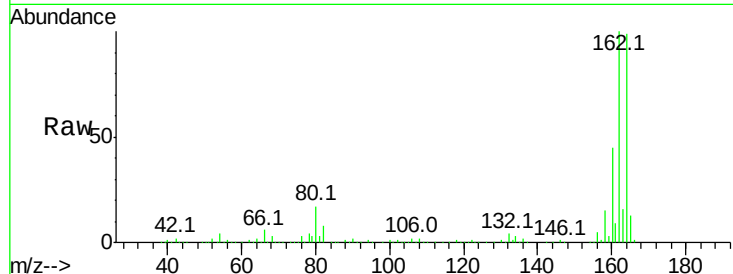




#50
2,6-Dinitrotoluene
Concen: 9.43 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.16 min
Lab File: BF091997.D
Acq: 28 Dec 2016 16:33

Instrument :
BNA_F
ClientSampleId :

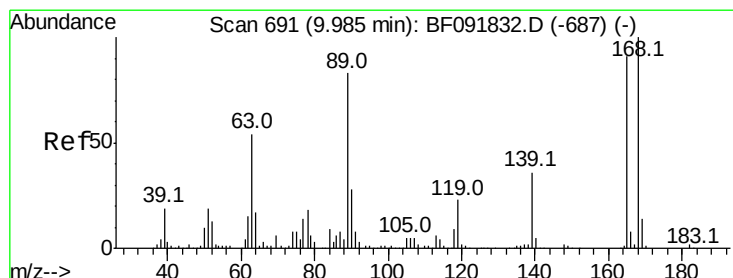
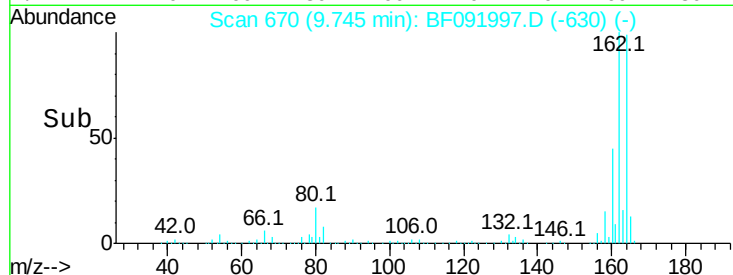
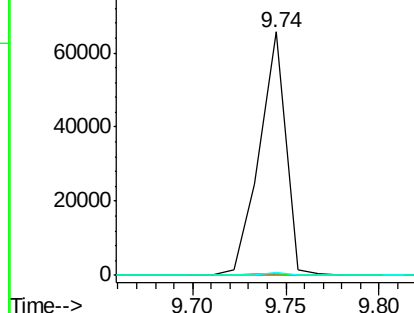
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.2	54.4#
89	1.0	40.2	60.4#



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: 7.51 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.24 min
Lab File: BF091997.D
Acq: 28 Dec 2016 16:33

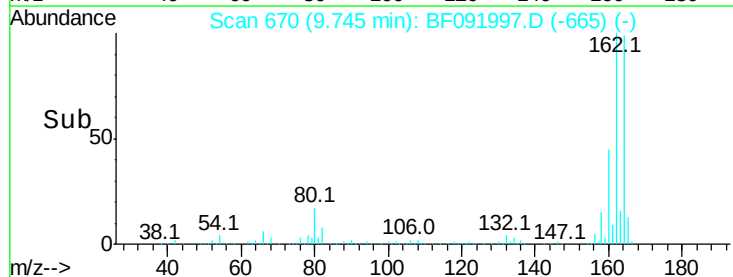
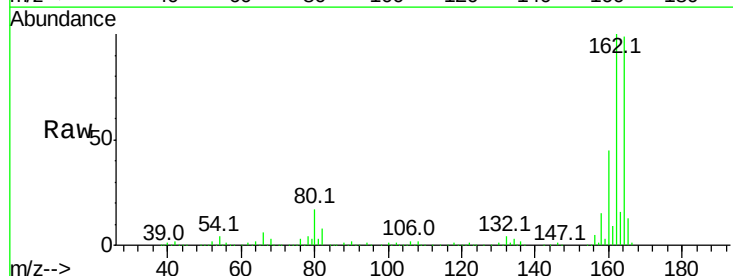
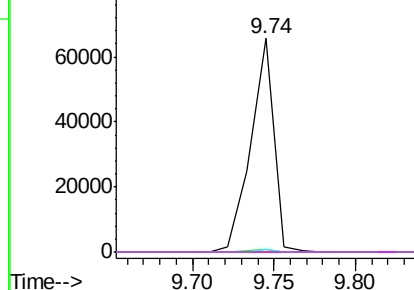
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	40.2	60.4#
89	1.0	62.5	93.7#
182	0.0	1.8	2.8#

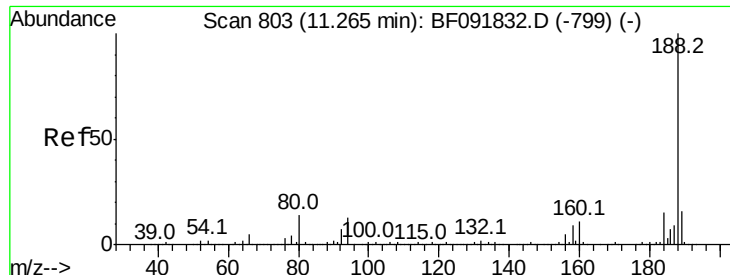
Abundance Ion 165.00 (164.70 to 165.70): E

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

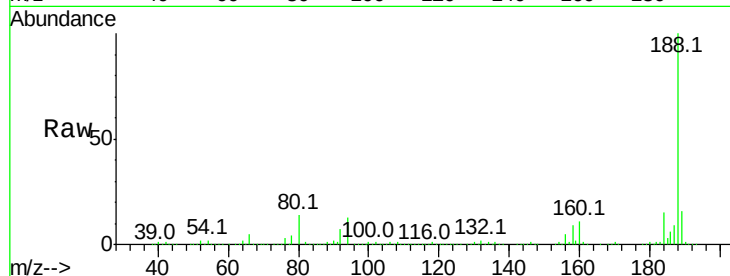




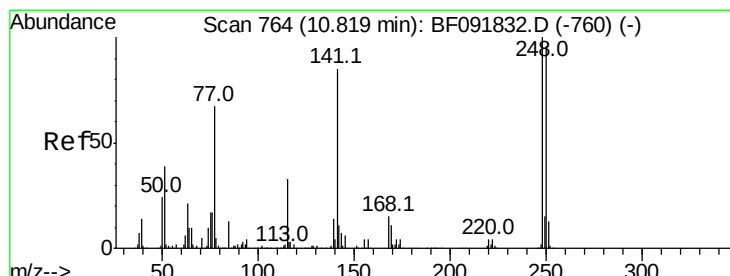
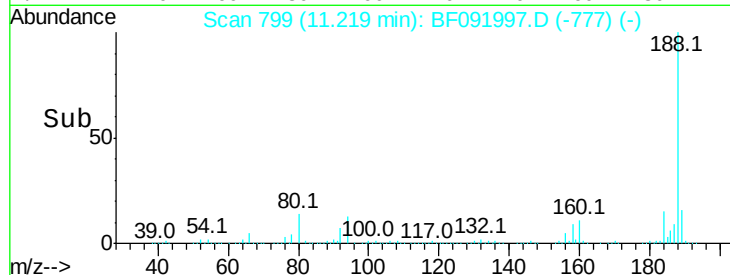
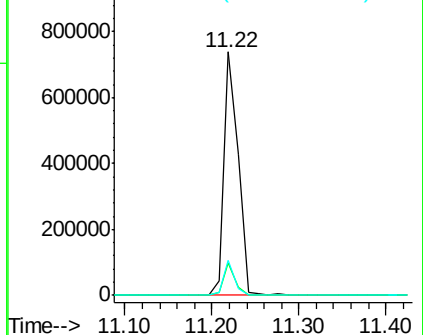
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.05 min
 Lab File: BF091997.D
 Acq: 28 Dec 2016 16:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 848654
 Ion Ratio Lower Upper
 188 100
 94 13.1 10.0 15.0
 80 14.4 11.2 16.8

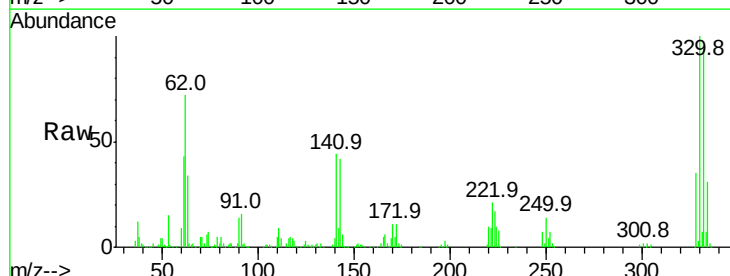


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

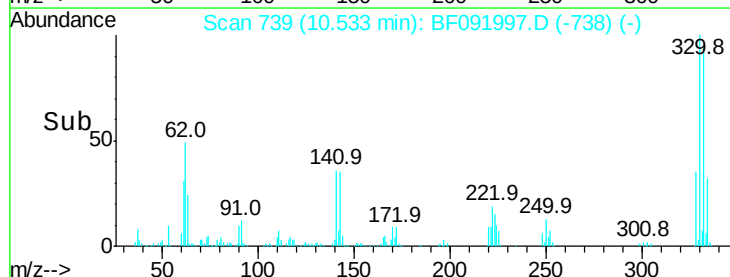
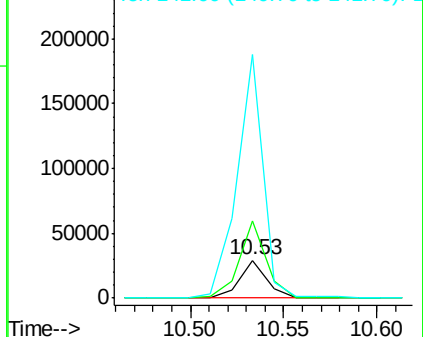


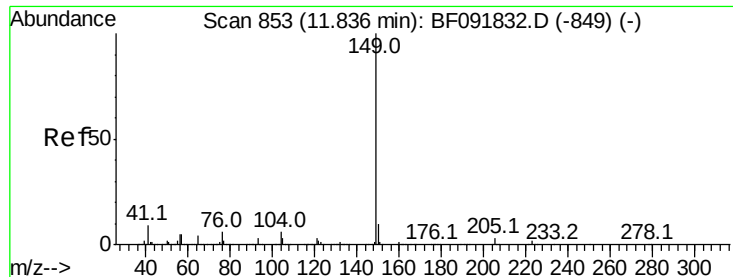
#66
 4-Bromophenyl-phenylether
 Concen: 3.37 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.29 min
 Lab File: BF091997.D
 Acq: 28 Dec 2016 16:33

Tgt Ion:248 Resp: 29778
 Ion Ratio Lower Upper
 248 100
 250 204.7 76.9 115.3#
 141 648.1 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: BF091997.D

Acq: 28 Dec 2016 16:33

Instrument :

BNA_F

ClientSampleId :

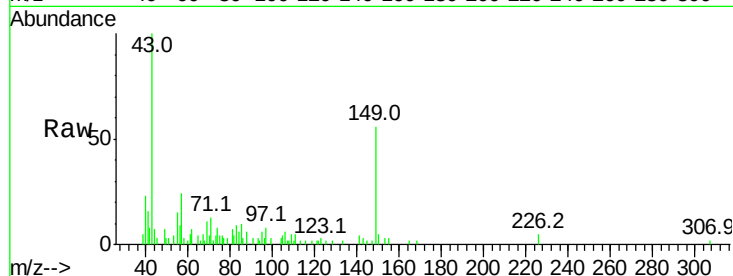
Tot Ion:149 Resp: 14713

Ion Ratio Lower Upper

149 100

150 8.2 8.1 12.1

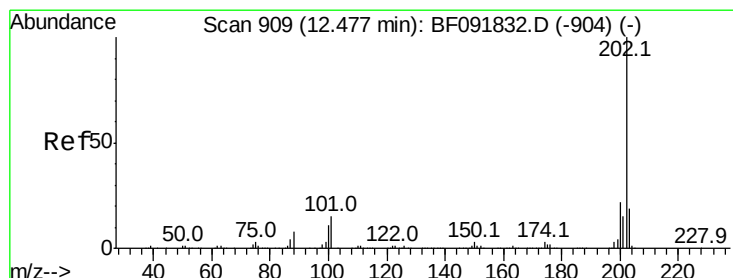
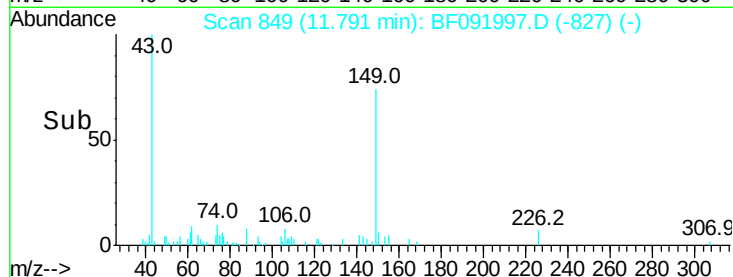
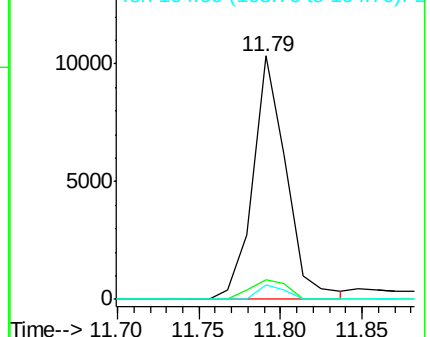
104 6.0 4.6 7.0



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. -0.05 min

Lab File: BF091997.D

Acq: 28 Dec 2016 16:33

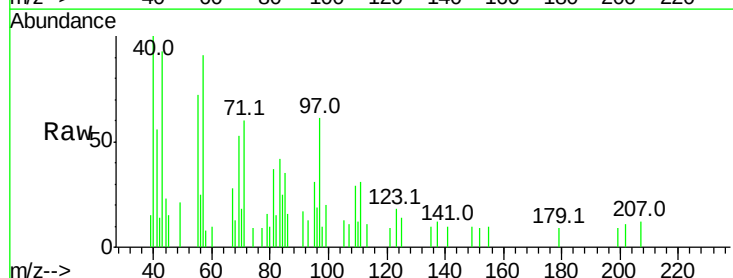
Tgt Ion:202 Resp: 273

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

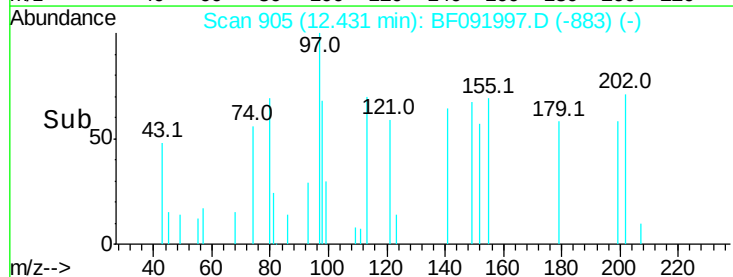
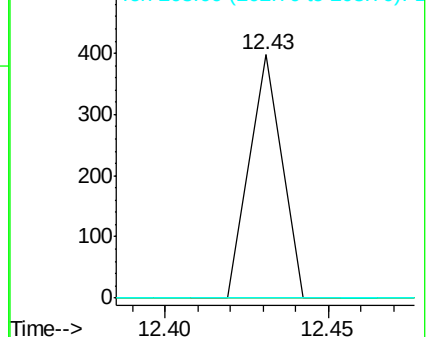
203 0.0 0.0 38.7

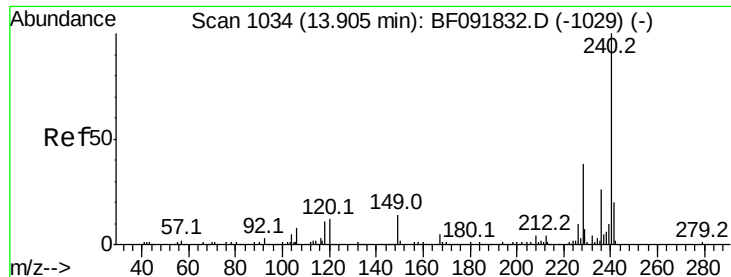


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.05 min

Lab File: BF091997.D

Acq: 28 Dec 2016 16:33

Instrument :

BNA_F

ClientSampleId :

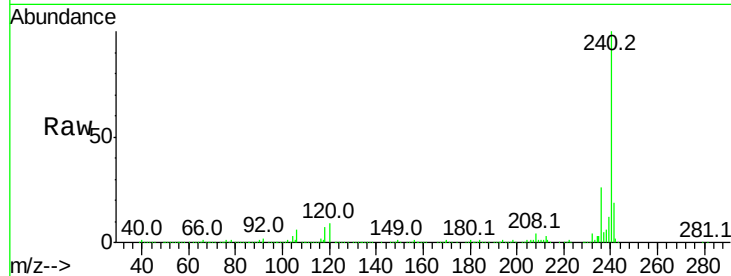
Tot Ion:240 Resp: 748344

Ion Ratio Lower Upper

240 100

120 8.5 12.9 19.3#

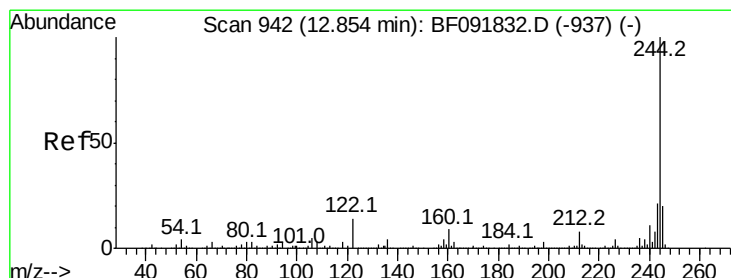
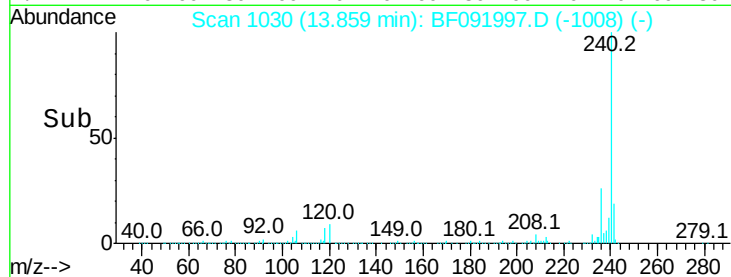
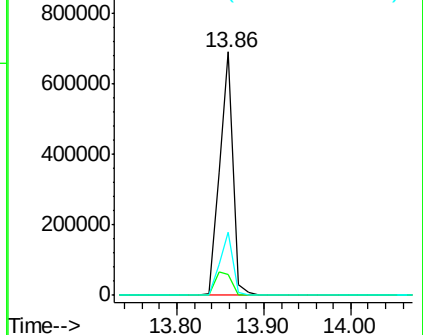
236 25.8 20.9 31.3



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: 85.45 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.03 min

Lab File: BF091997.D

Acq: 28 Dec 2016 16:33

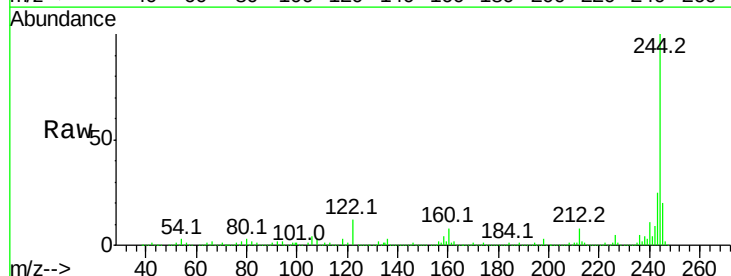
Tgt Ion:244 Resp: 2636647

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

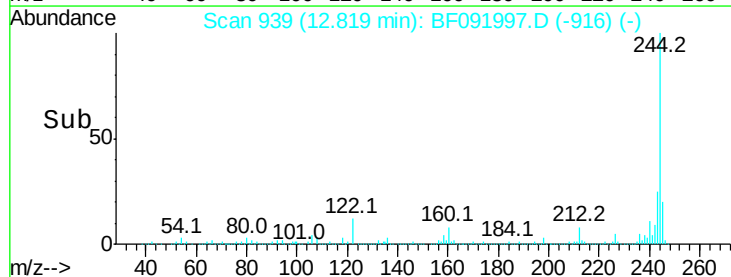
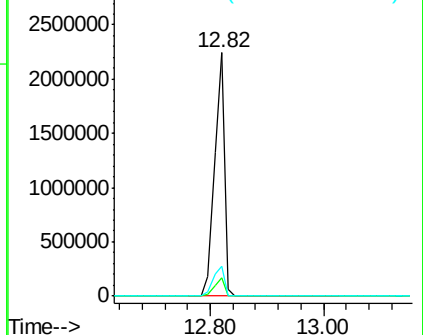
122 12.4 11.4 17.2

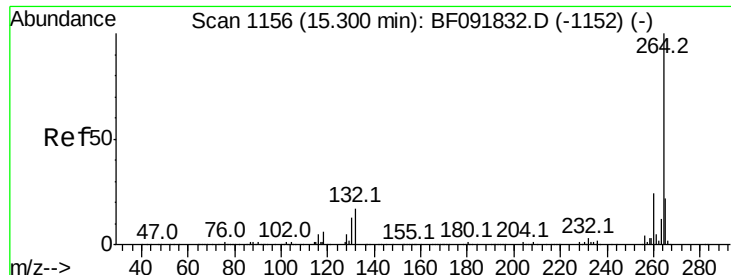


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

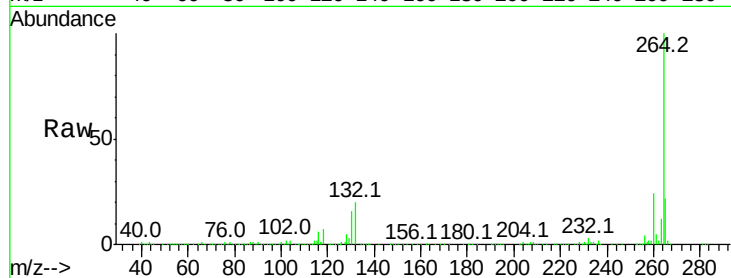




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.24 min Scan# 1151
 Delta R.T. -0.06 min
 Lab File: BF091997.D
 Acq: 28 Dec 2016 16:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.7	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

