

Data Path : Z:\HPCHEM1\BNA F\Data\BF022017\
 Data File : BF093062.D
 Acq On : 21 Feb 2017 8:35
 Operator : SJ/MA
 Sample : I1884-12
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 13:20:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

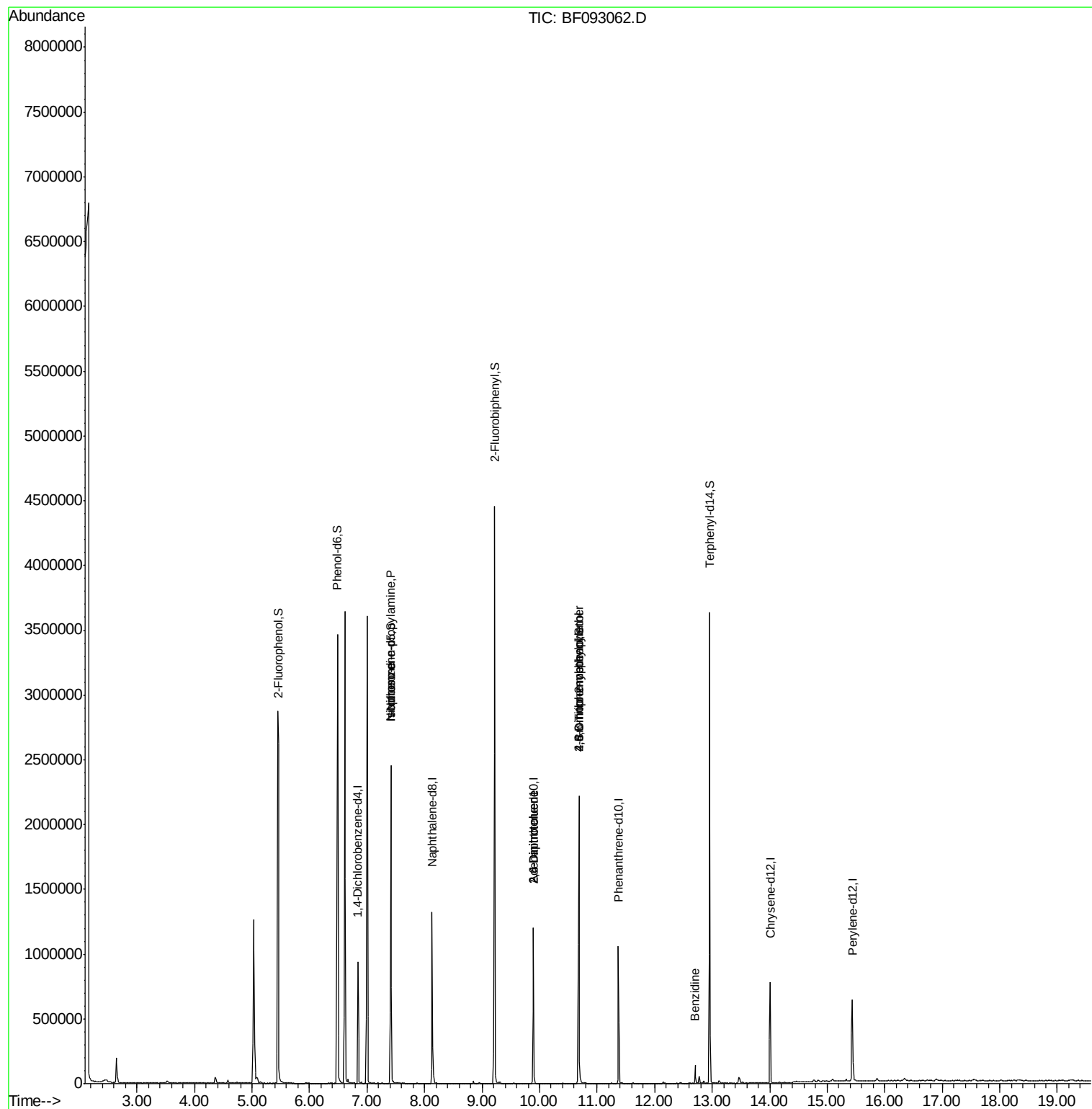
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	150708	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	580268	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	267579	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	434305	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	300562	20.00	ng	-0.01
86) Perylene-d12	15.44	264	285666	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1186114	135.02	ng	0.01
7) Phenol-d6	6.49	99	1272195	112.56	ng	0.00
23) Nitrobenzene-d5	7.41	82	885144	84.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	276670	142.96	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1730450	117.16	ng	0.00
78) Terphenyl-d14	12.96	244	1102571	86.19	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	115678	16.08	ng	# 81
25) Isophorone	7.41	82	753155	38.79	ng	# 65
50) 2,6-Dinitrotoluene	9.89	165	33532	8.61	ng	# 31
56) 2,4-Dinitrotoluene	9.89	165	33532	6.47	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	552	2.87	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	21551	4.75	ng	# 1
76) Benzidine	12.71	184	61629	4.81	ng	97

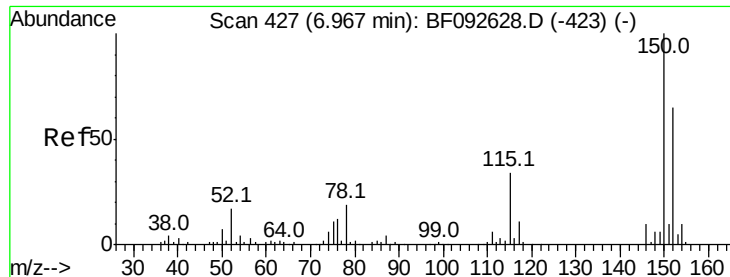
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093062.D

Acq: 21 Feb 2017 8:35

Instrument :

BNA_F

ClientSampleId :

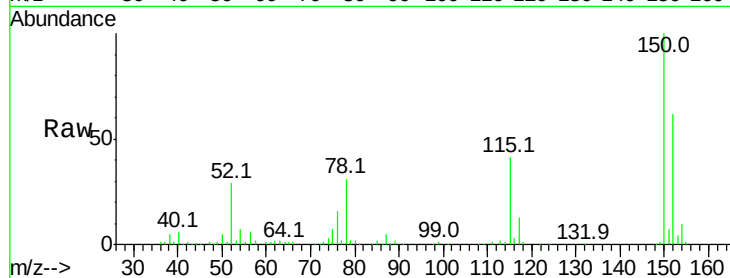
Tot Ion:152 Resp: 150708

Ion Ratio Lower Upper

152 100

150 160.6 124.9 187.3

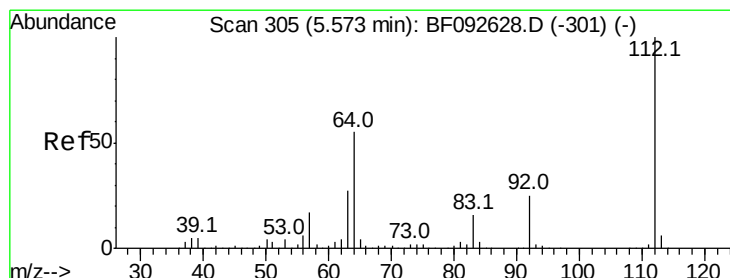
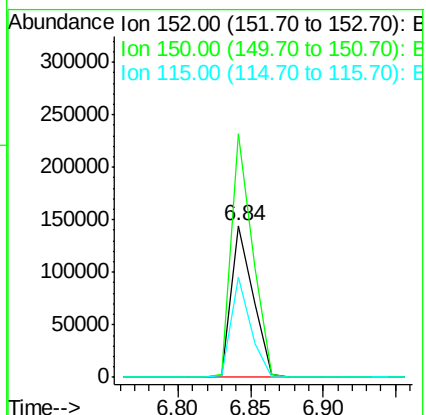
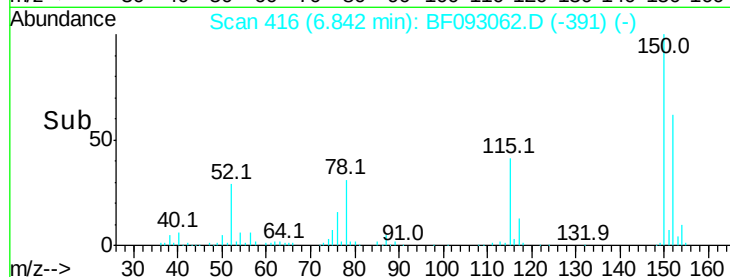
115 66.2 46.0 69.0



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: 135.02 ng

RT: 5.46 min Scan# 295

Delta R.T. 0.01 min

Lab File: BF093062.D

Acq: 21 Feb 2017 8:35

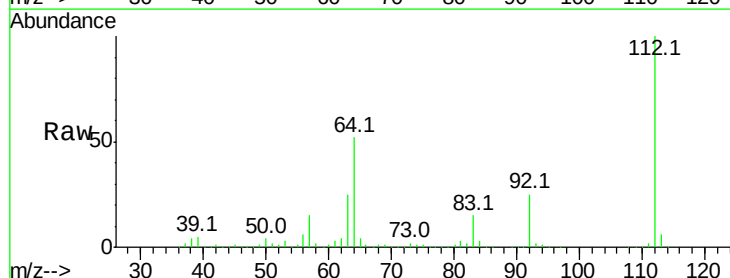
Tgt Ion:112 Resp: 1186114

Ion Ratio Lower Upper

112 100

64 52.0 46.1 69.1

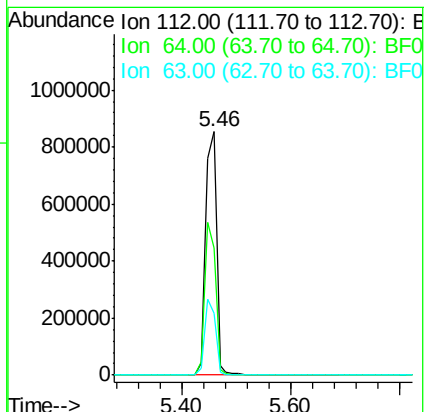
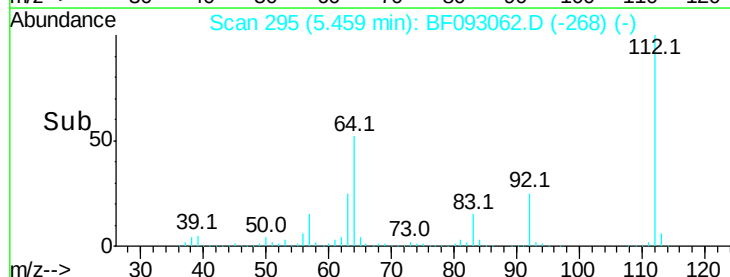
63 25.4 23.8 35.6

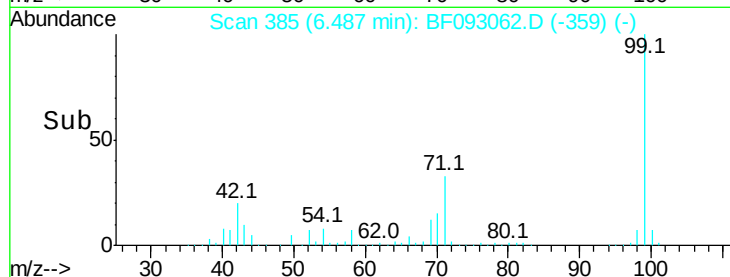
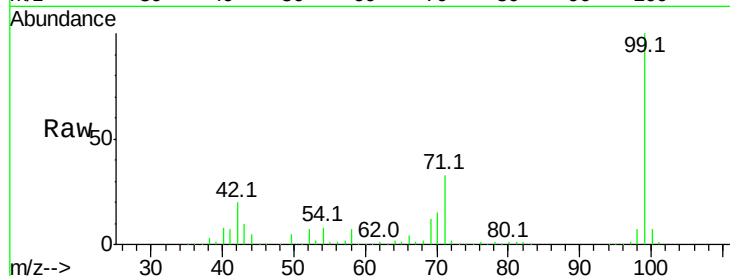
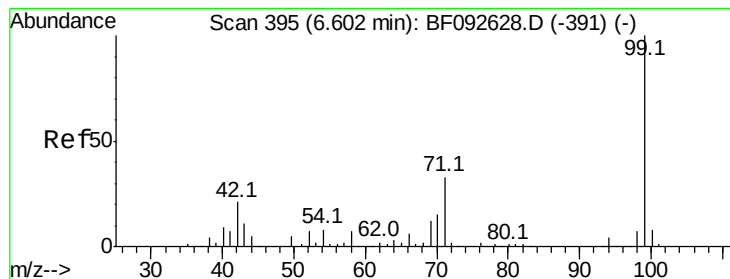


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.56 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF093062.D

Acq: 21 Feb 2017 8:35

Instrument :

BNA_F

ClientSampleId :

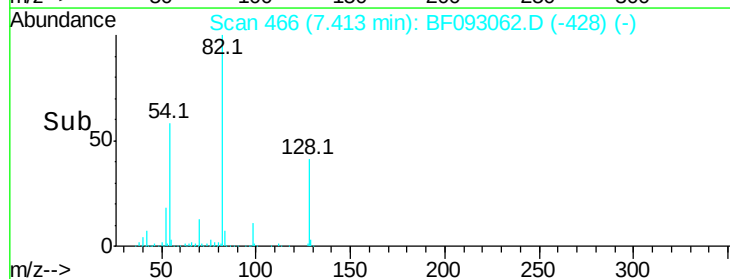
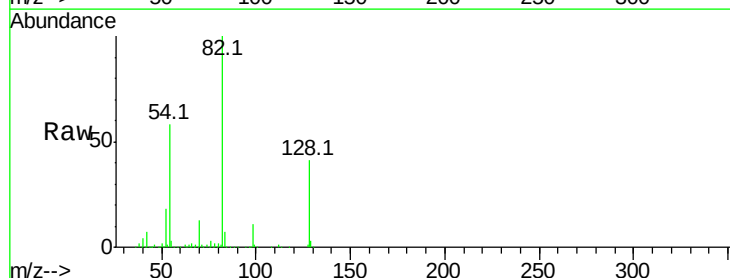
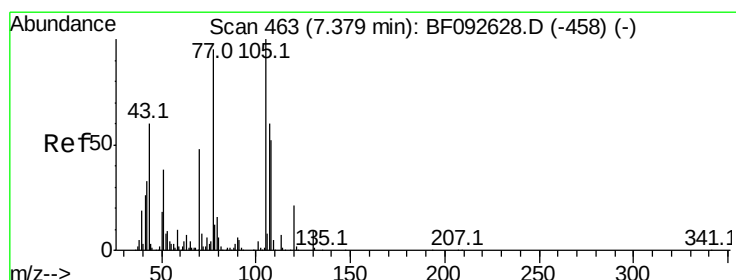
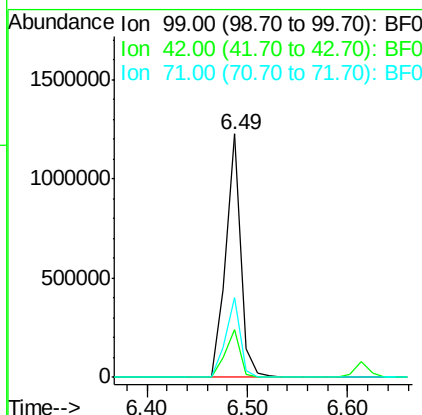
Tot Ion: 99 Resp: 1272195

Ion Ratio Lower Upper

99 100

42 19.7 15.6 23.4

71 32.9 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.08 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093062.D

Acq: 21 Feb 2017 8:35

Tgt Ion: 70 Resp: 115678

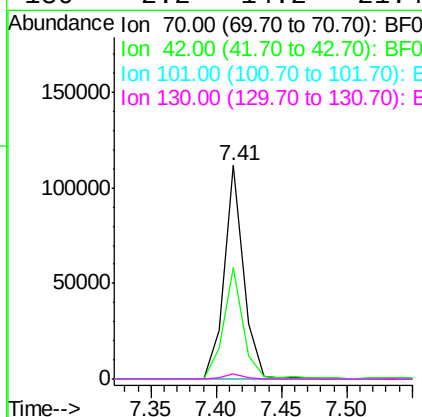
Ion Ratio Lower Upper

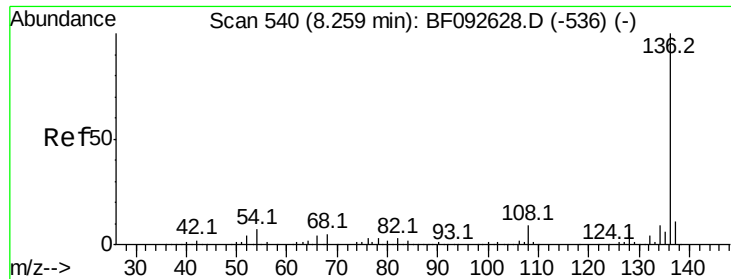
70 100

42 52.0 49.4 74.0

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

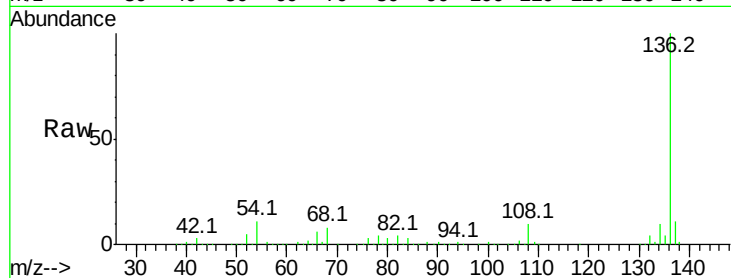




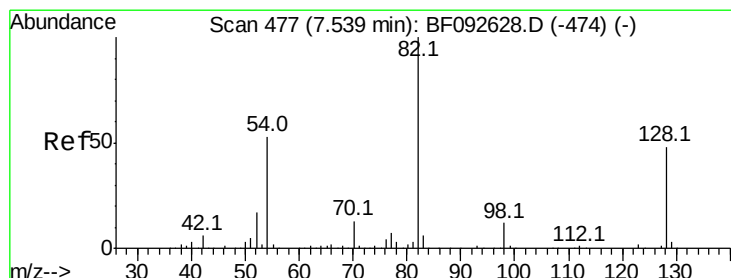
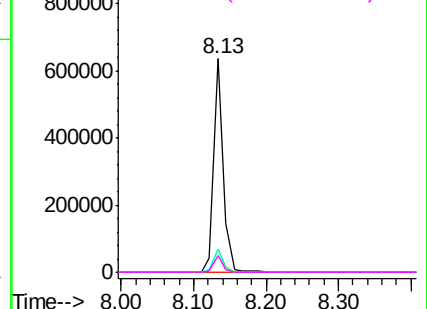
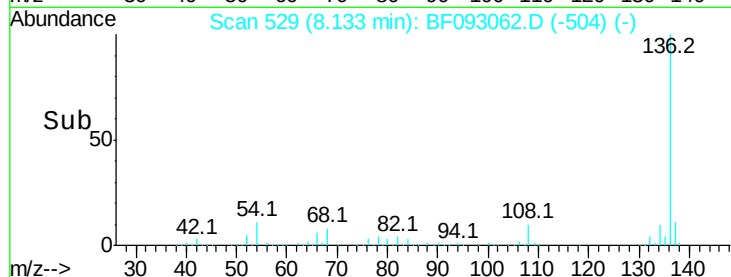
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093062.D
Acq: 21 Feb 2017 8:35

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	580268
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	11.1	4.5	6.7#
68	7.8	3.6	5.4#

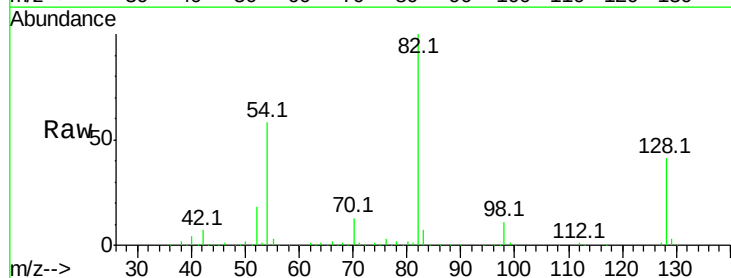


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

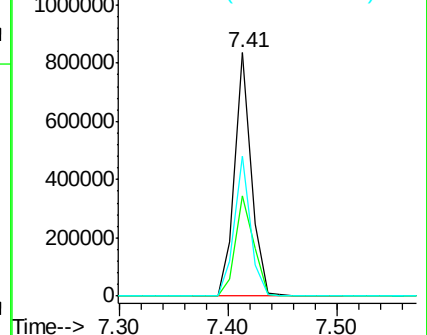
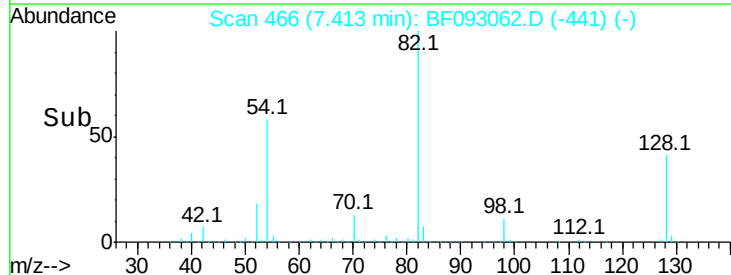


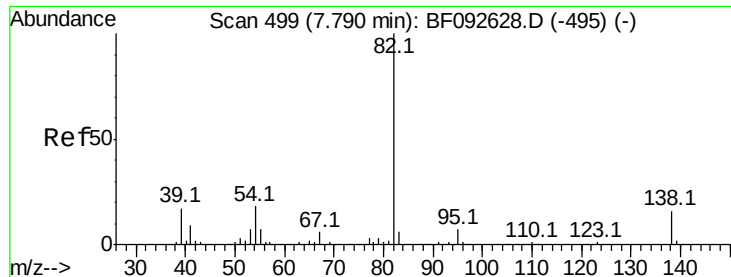
#23
Nitrobenzene-d5
Concen: 84.95 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093062.D
Acq: 21 Feb 2017 8:35

Tgt Ion:	82	Resp:	885144
Ion	Ratio	Lower	Upper
82	100		
128	41.1	34.6	52.0
54	57.7	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: 38.79 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093062.D

Acq: 21 Feb 2017 8:35

Instrument :

BNA_F

ClientSampleId :

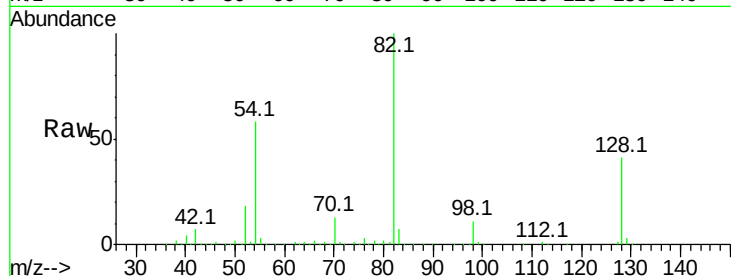
Tot Ion: 82 Resp: 753155

Ion Ratio Lower Upper

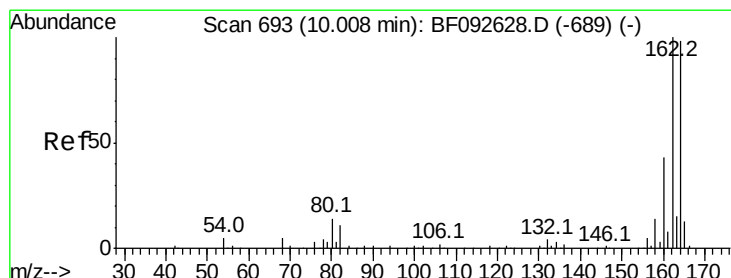
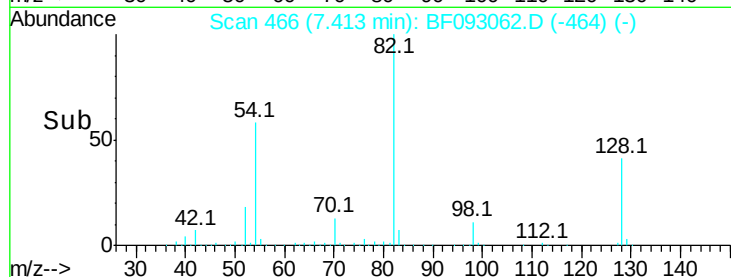
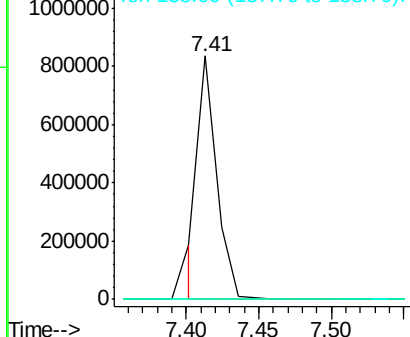
82 100

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: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF093062.D

Acq: 21 Feb 2017 8:35

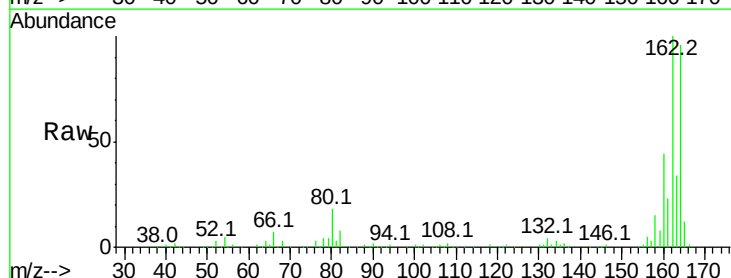
Tgt Ion:164 Resp: 267579

Ion Ratio Lower Upper

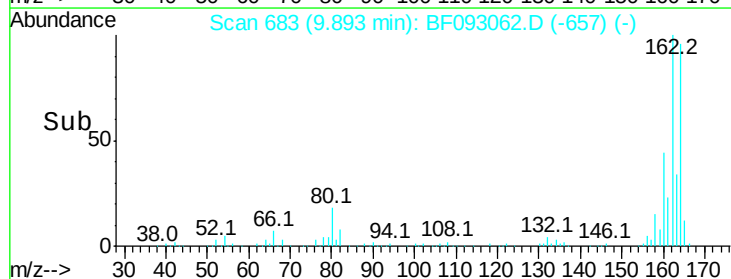
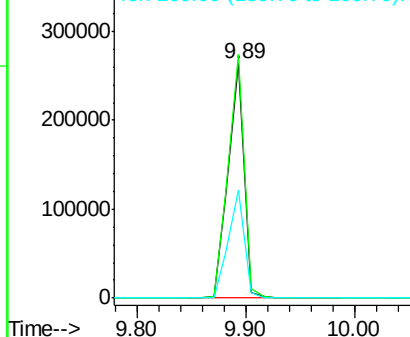
164 100

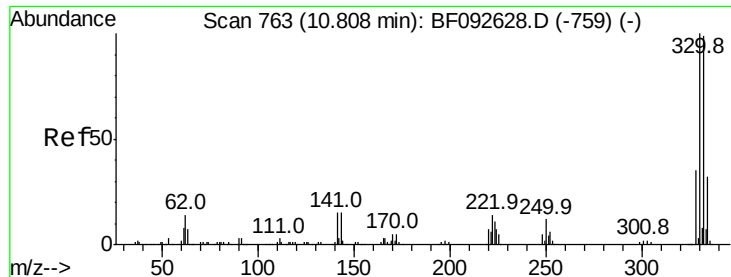
162 104.0 80.2 120.2

160 46.1 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

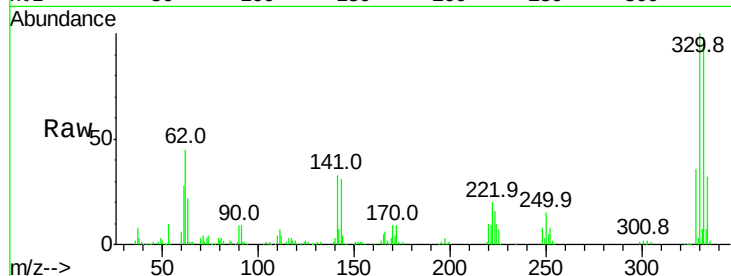




#41
 2,4,6-Tribromophenol
 Concen: 142.96 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF093062.D
 Acq: 21 Feb 2017 8:35

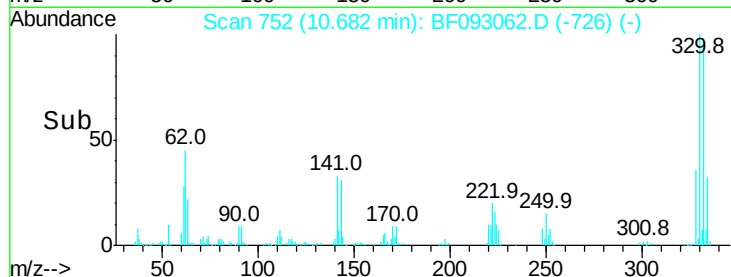
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.4	116.2
141	40.3	34.1	51.1

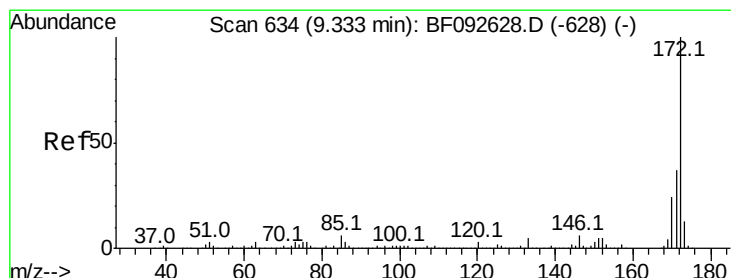


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

10.68

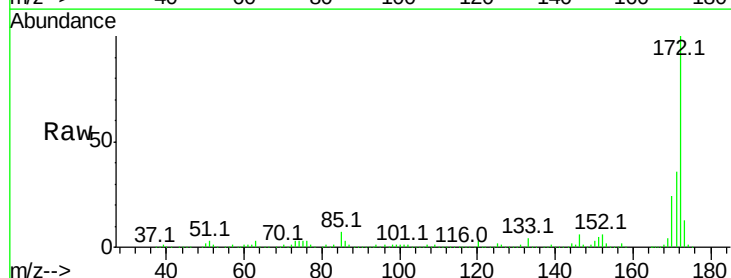


Time-->



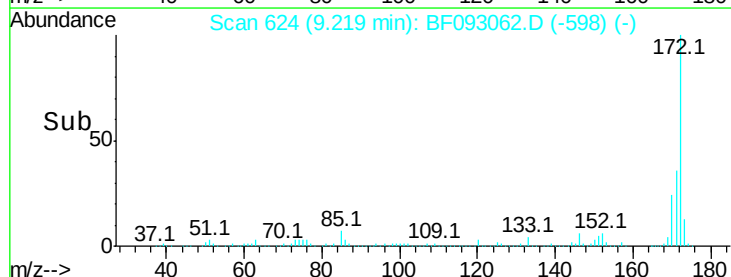
#44
 2-Fluorobiphenyl
 Concen: 117.16 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF093062.D
 Acq: 21 Feb 2017 8:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	24.5	20.2	30.4

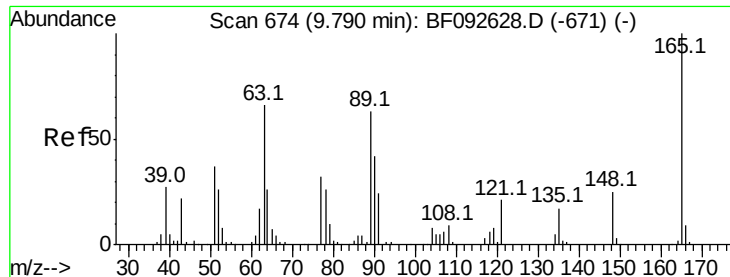


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

9.22



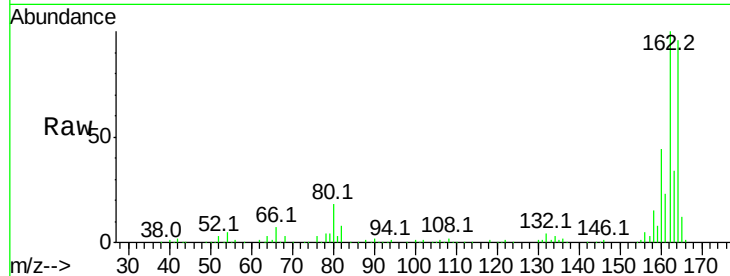
Time-->



#50
 2,6-Dinitrotoluene
 Concen: 8.61 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.21 min
 Lab File: BF093062.D
 Acq: 21 Feb 2017 8:35

Instrument :
 BNA_F
 ClientSampleId :

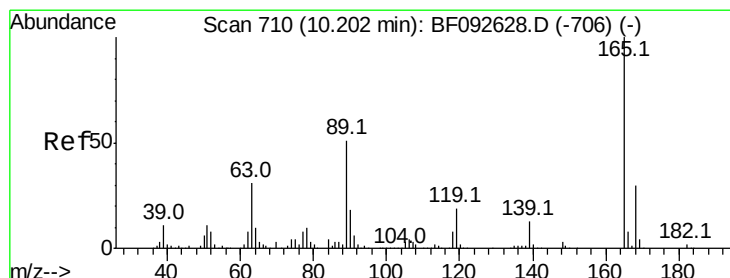
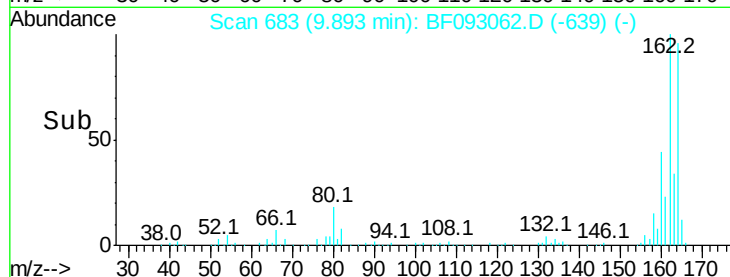
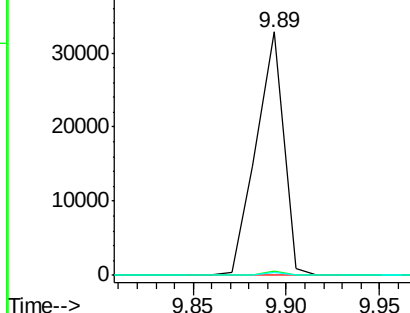
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.2	54.4#
89	1.5	40.2	60.4#



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: 6.47 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.19 min
 Lab File: BF093062.D
 Acq: 21 Feb 2017 8:35

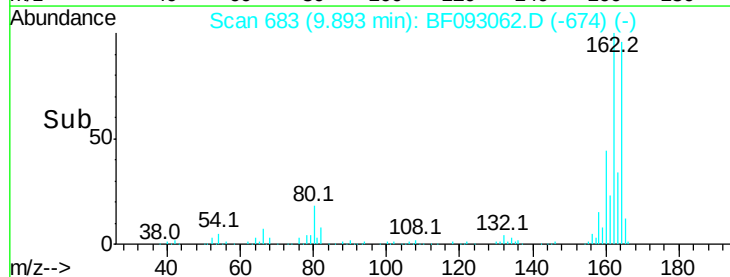
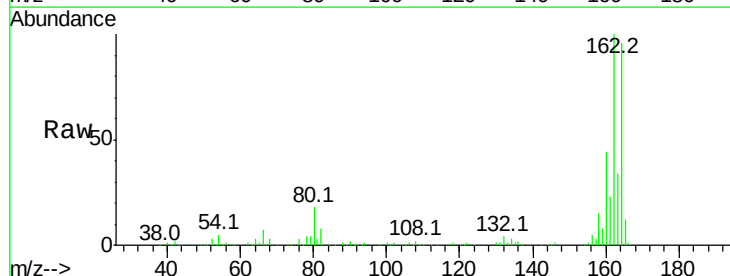
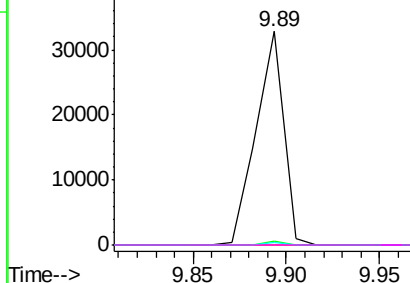
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	40.2	60.4#
89	1.5	62.5	93.7#
182	0.0	1.8	2.8#

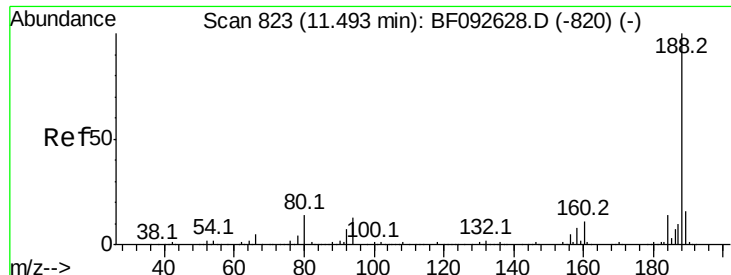
Abundance Ion 165.00 (164.70 to 165.70): E

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

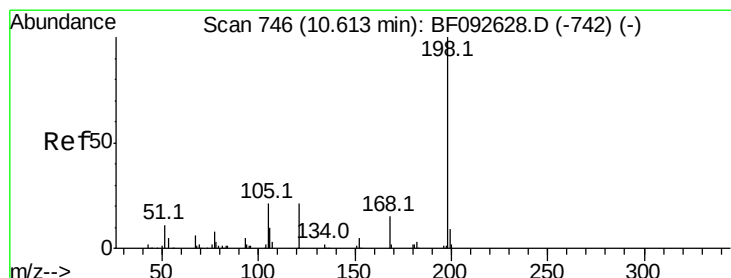
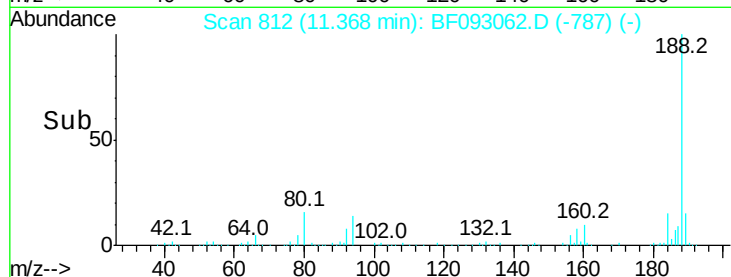
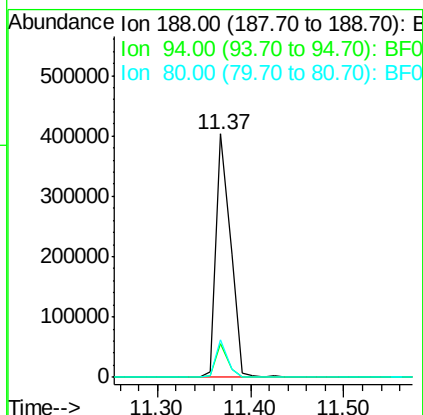
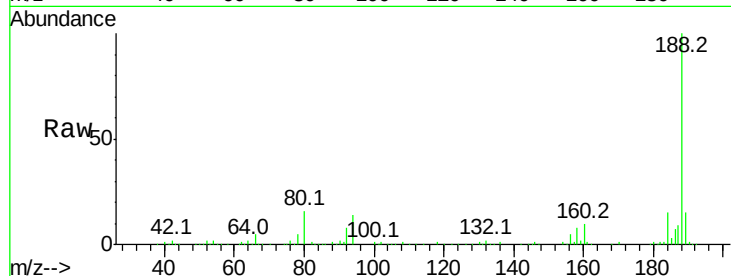




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF093062.D
 Acq: 21 Feb 2017 8:35

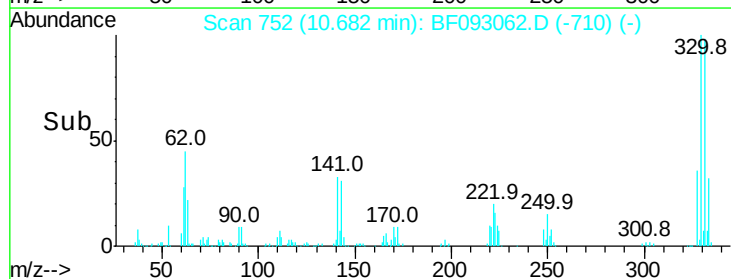
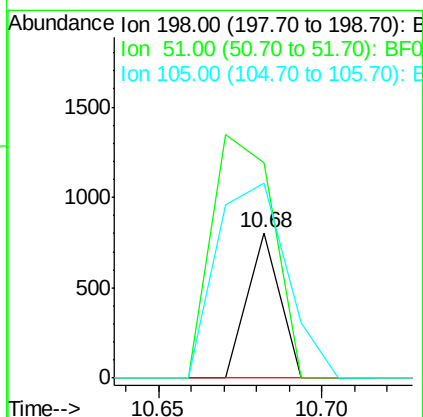
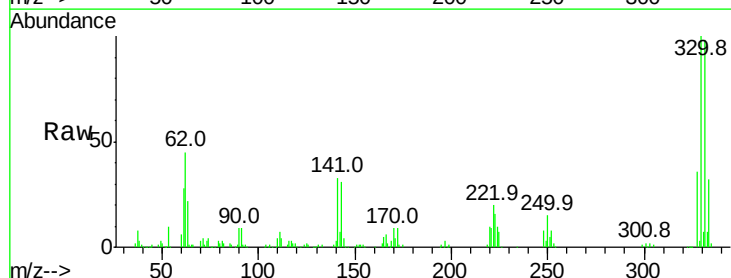
Instrument :
 BNA_F
 ClientSampleId :

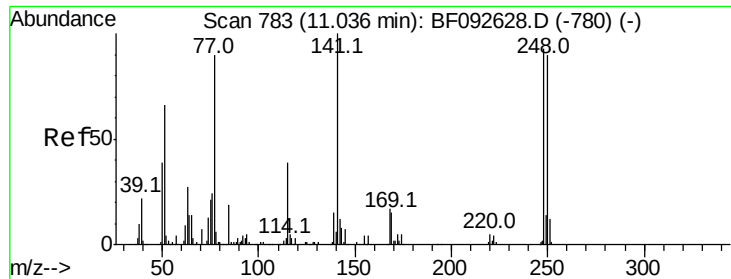
Tot Ion:188 Resp: 434305
 Ion Ratio Lower Upper
 188 100
 94 13.7 10.0 15.0
 80 15.7 11.2 16.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.87 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.18 min
 Lab File: BF093062.D
 Acq: 21 Feb 2017 8:35

Tgt Ion:198 Resp: 552
 Ion Ratio Lower Upper
 198 100
 51 147.8 6.7 46.7#
 105 134.2 16.6 56.6#





#66

4-Bromophenyl-phenylether

Concen: 4.75 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.24 min

Lab File: BF093062.D

Acq: 21 Feb 2017 8:35

Instrument :

BNA_F

ClientSampleId :

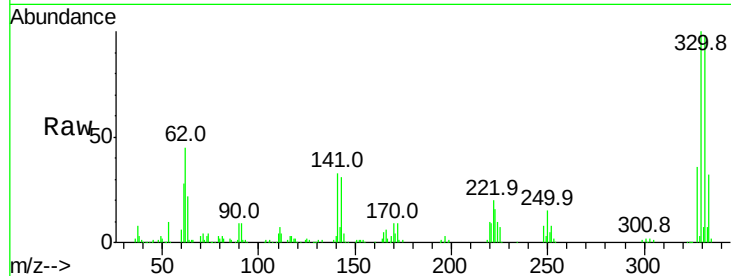
Tot Ion:248 Resp: 21551

Ion Ratio Lower Upper

248 100

250 195.7 76.9 115.3#

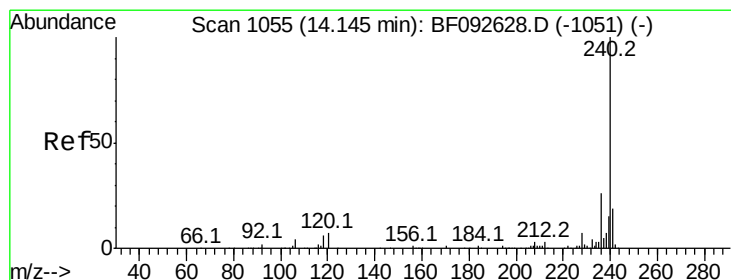
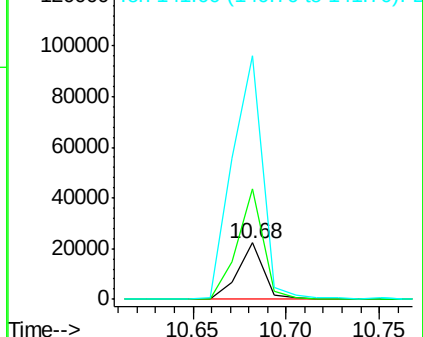
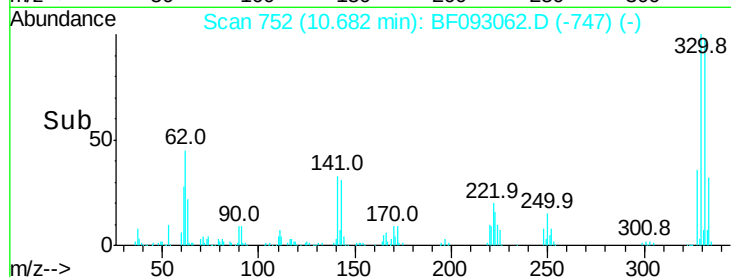
141 430.8 68.2 102.4#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093062.D

Acq: 21 Feb 2017 8:35

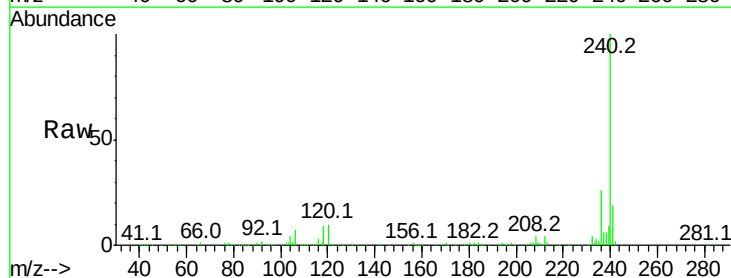
Tgt Ion:240 Resp: 300562

Ion Ratio Lower Upper

240 100

120 10.1 12.9 19.3#

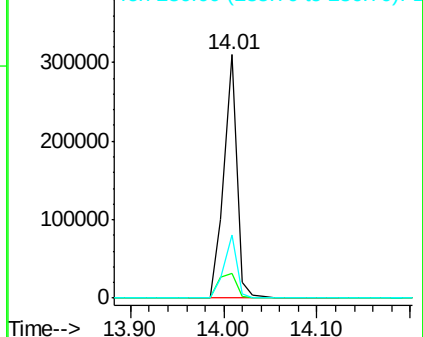
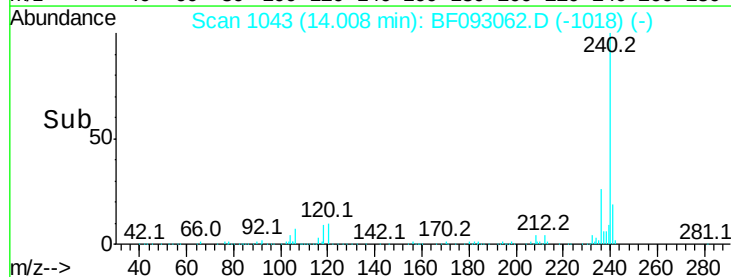
236 26.1 20.9 31.3

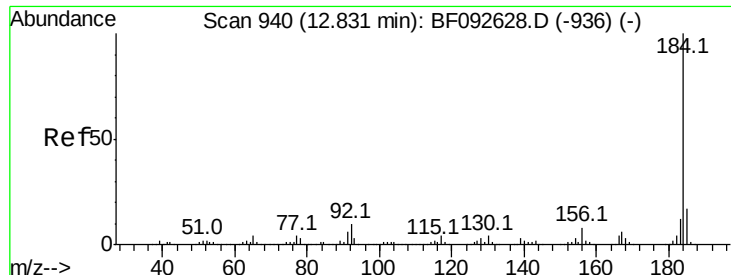


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

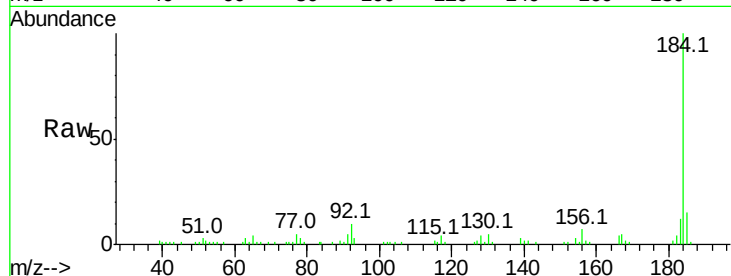




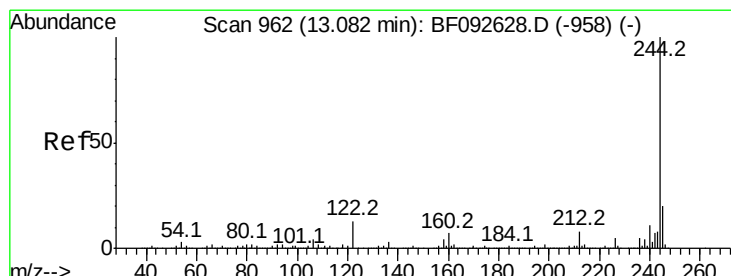
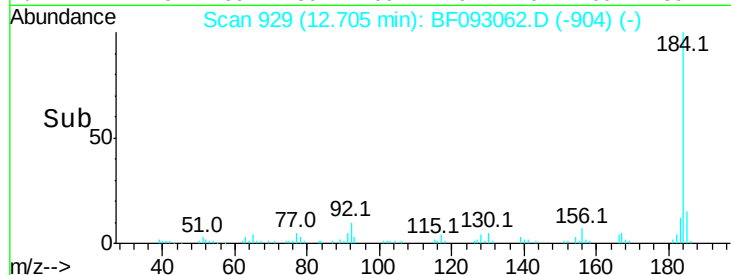
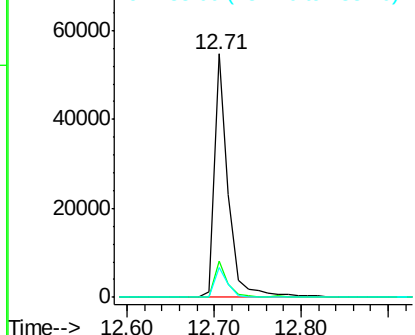
#76
Benzidine
Concen: 4.81 ng
RT: 12.71 min Scan# 929
Delta R.T. -0.01 min
Lab File: BF093062.D
Acq: 21 Feb 2017 8:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 61629
Ion Ratio Lower Upper
184 100
185 15.1 13.4 20.0
183 12.2 9.2 13.8

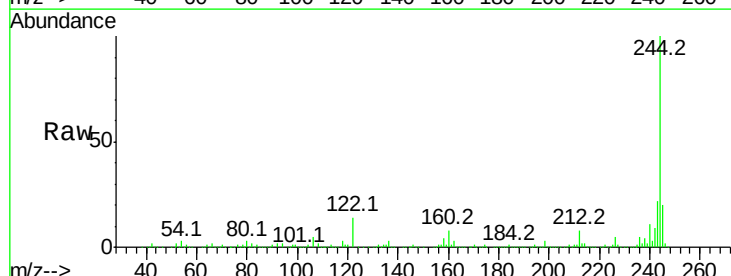


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

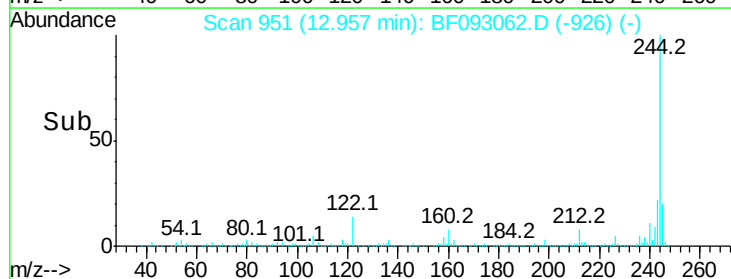
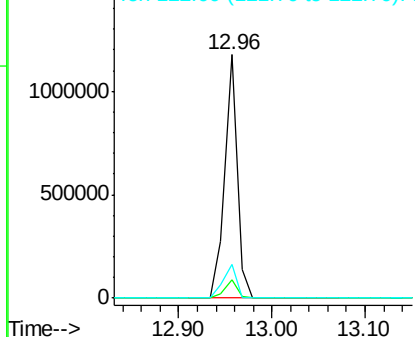


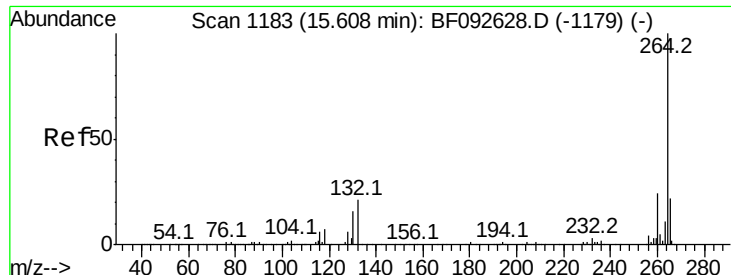
#78
Terphenyl-d14
Concen: 86.19 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF093062.D
Acq: 21 Feb 2017 8:35

Tgt Ion:244 Resp: 1102571
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 13.8 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

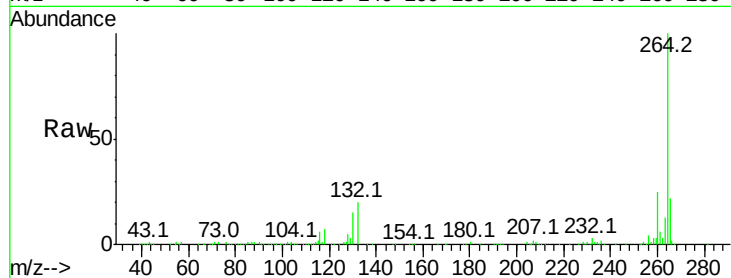




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093062.D
Acq: 21 Feb 2017 8:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	21.9	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

