

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
 Data File : BF093433.D
 Acq On : 8 Mar 2017 17:29
 Operator : SJ/MA
 Sample : I2099-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 39B-9-11

Quant Time: Mar 08 17:53:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

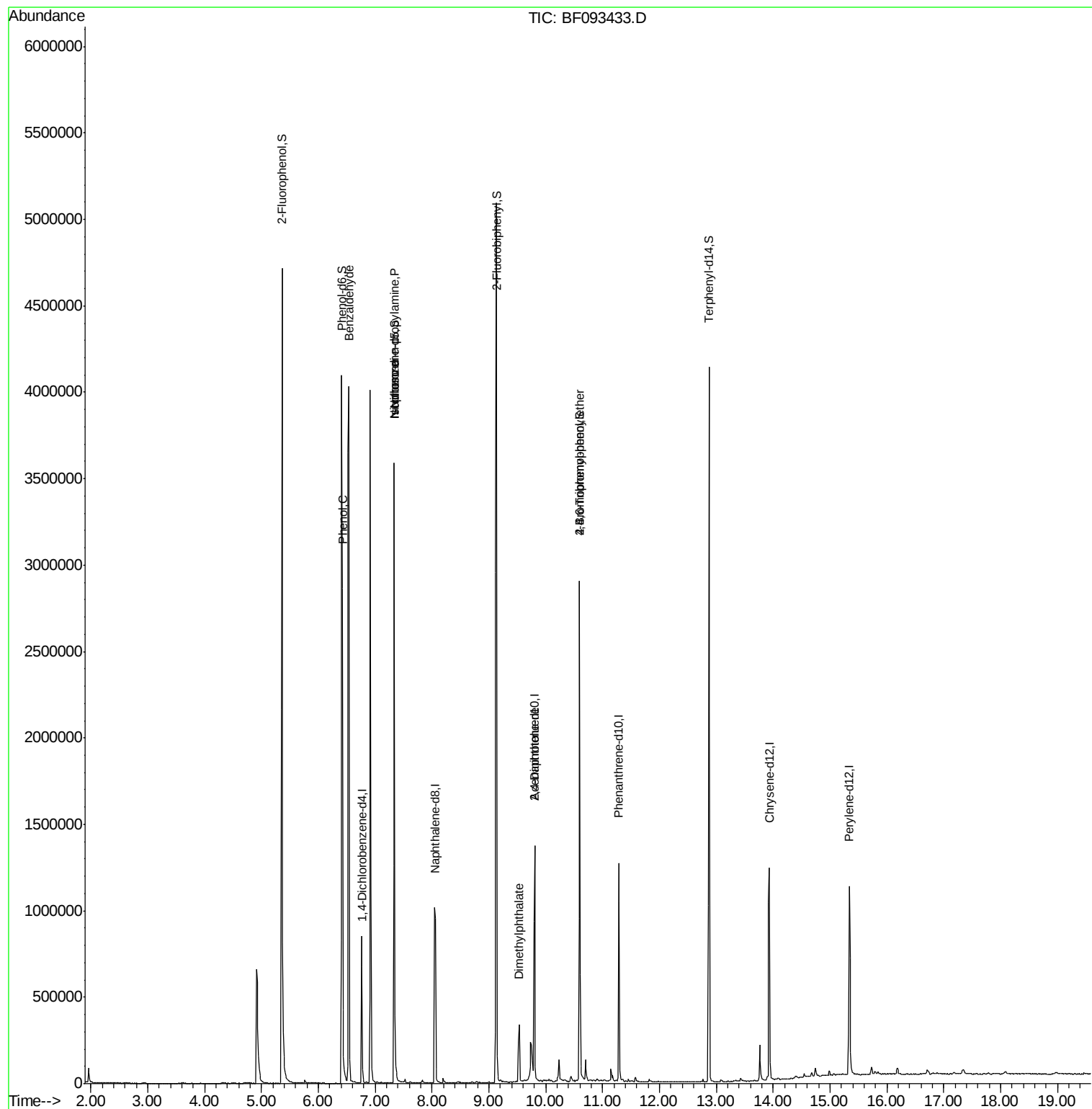
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	178211	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	697538	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	342232	20.00	ng	0.00
63) Phenanthrene-d10	11.28	188	649821	20.00	ng	0.00
75) Chrysene-d12	13.93	240	606317	20.00	ng	0.01
86) Perylene-d12	15.34	264	507218	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1577101	147.29	ng	0.01
7) Phenol-d6	6.41	99	1987553	147.20	ng	0.00
23) Nitrobenzene-d5	7.34	82	1274237	101.36	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	356970	160.10	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1938215	105.34	ng	0.00
78) Terphenyl-d14	12.87	244	1652977	70.88	ng	0.00
Target Compounds						
9) Benzaldehyde	6.54	77	34543	2.66	ng	Qvalue 83
10) Phenol	6.42	94	139408	8.43	ng	85
19) n-Nitroso-di-n-propylamine	7.34	70	174497	18.80	ng	# 81
25) Isophorone	7.34	82	972761	38.37	ng	# 65
49) Dimethylphthalate	9.53	163	186277	8.21	ng	99
56) 2,4-Dinitrotoluene	9.81	165	42340	6.92	ng	# 20
66) 4-Bromophenyl-phenylether	10.60	248	26145	3.80	ng	# 1

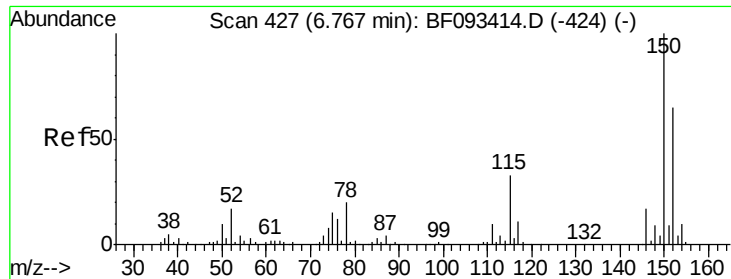
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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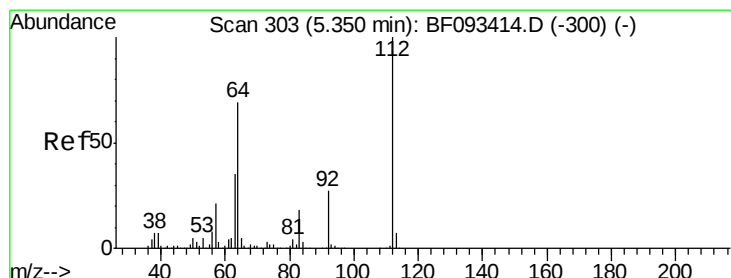
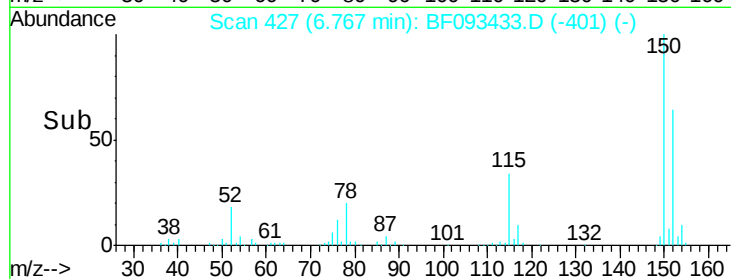
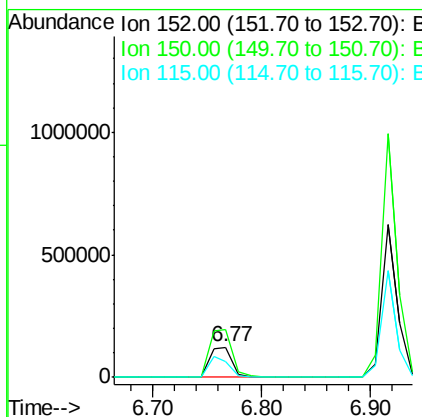
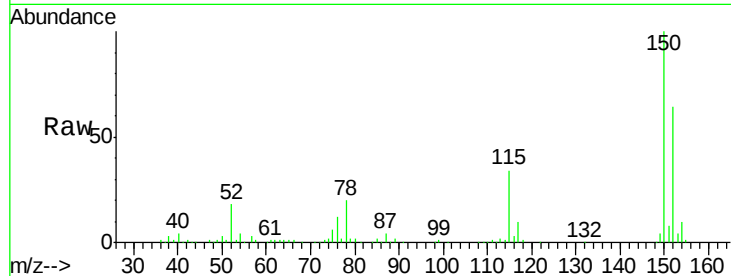


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF093433.D
Acq: 8 Mar 2017 17:29

Instrument :
BNA_F
ClientSampleId :
39B-9-11

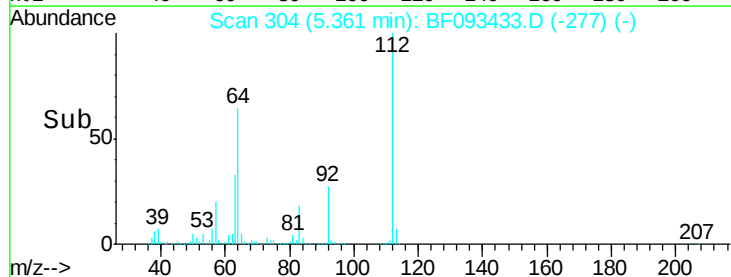
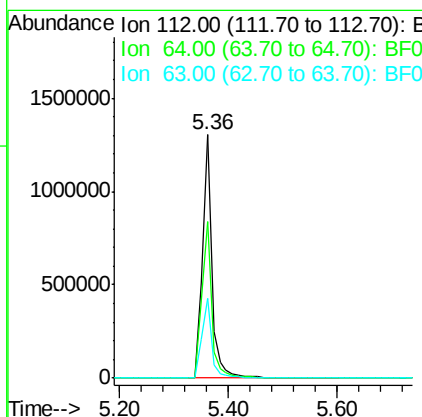
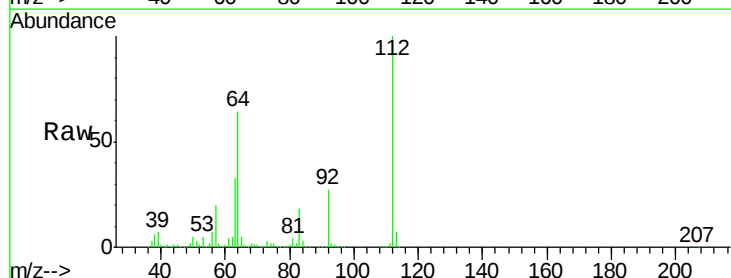
Tot Ion:152 Resp: 178211
Ion Ratio Lower Upper
152 100
150 156.6 124.9 187.3
115 53.7 46.0 69.0

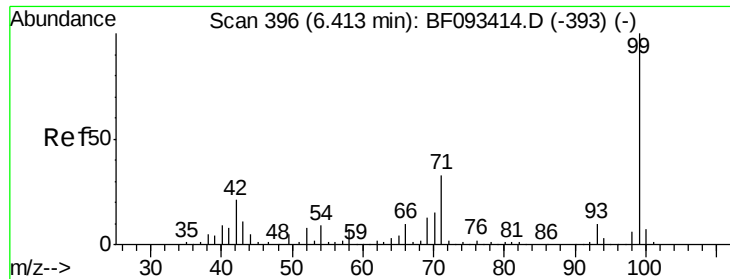


#5

2-Fluorophenol
Concen: 147.29 ng
RT: 5.36 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF093433.D
Acq: 8 Mar 2017 17:29

Tgt Ion:112 Resp: 1577101
Ion Ratio Lower Upper
112 100
64 64.5 46.1 69.1
63 33.0 23.8 35.6





#7

Phenol-d6

Concen: 147.20 ng

RT: 6.41 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF093433.D

Acq: 8 Mar 2017 17:29

Instrument :

BNA_F

ClientSampleId :

39B-9-11

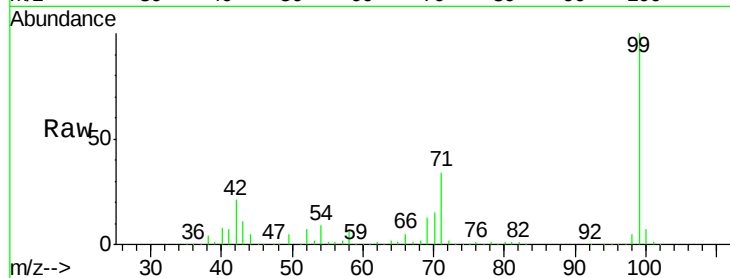
Tot Ion: 99 Resp: 1987553

Ion Ratio Lower Upper

99 100

42 21.2 15.6 23.4

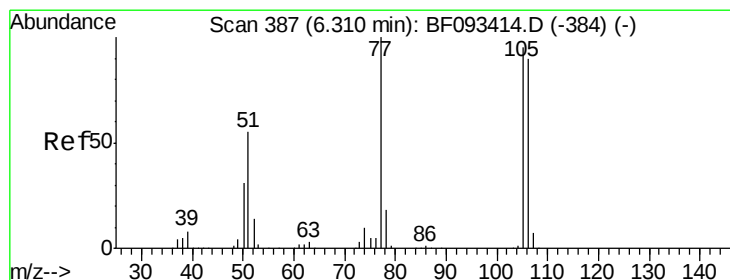
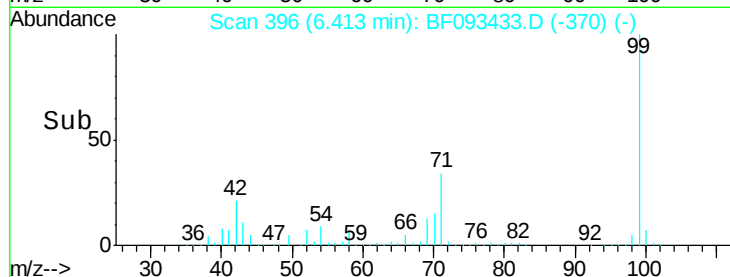
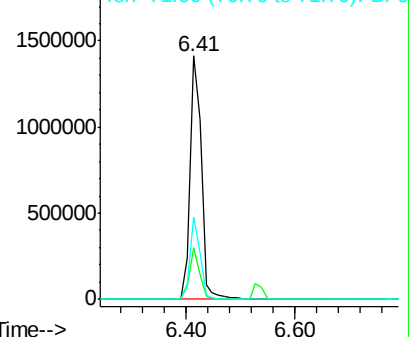
71 33.8 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.66 ng

RT: 6.54 min Scan# 407

Delta R.T. 0.23 min

Lab File: BF093433.D

Acq: 8 Mar 2017 17:29

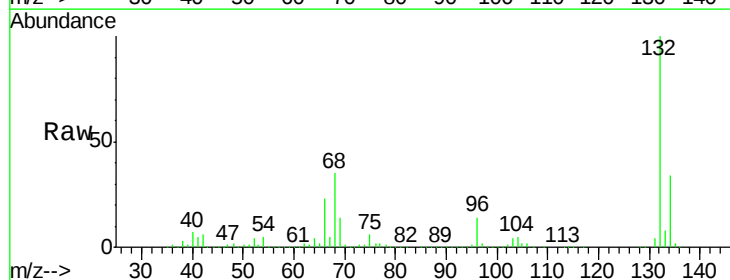
Tgt Ion: 77 Resp: 34543

Ion Ratio Lower Upper

77 100

105 87.6 83.9 123.9

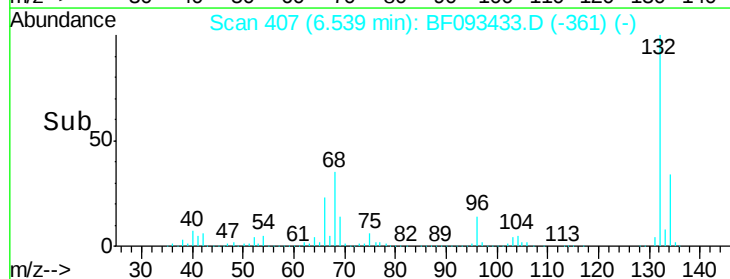
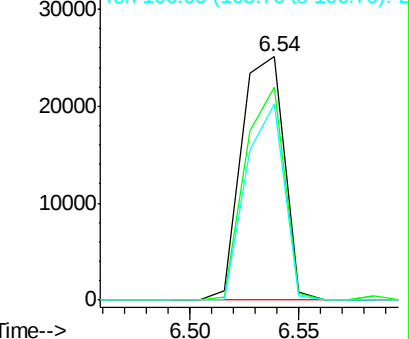
106 80.4 77.6 117.6

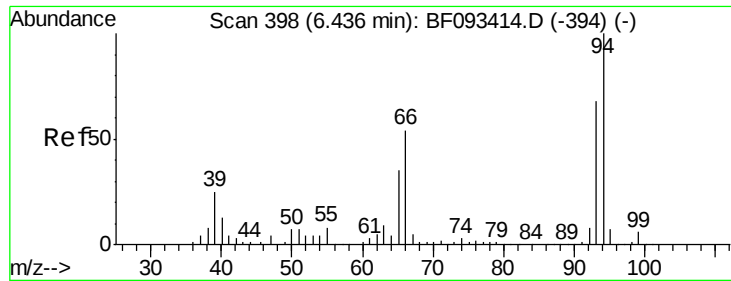


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 8.43 ng

RT: 6.42 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF093433.D

Acq: 8 Mar 2017 17:29

Instrument :

BNA_F

ClientSampleId :

39B-9-11

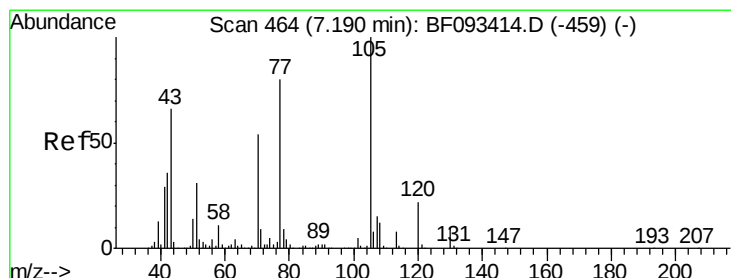
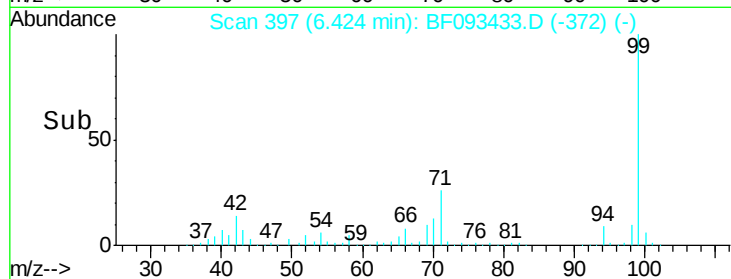
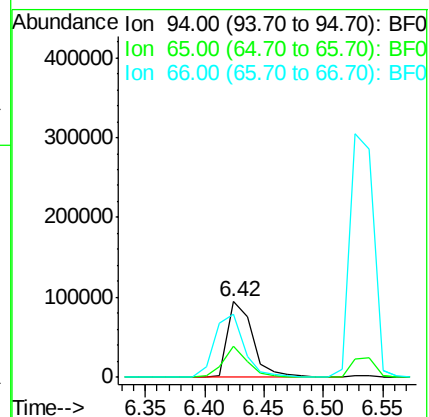
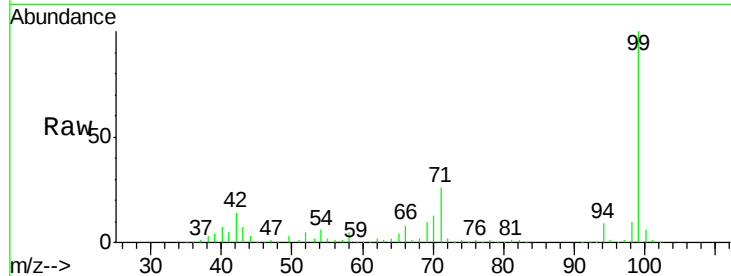
Tot Ion: 94 Resp: 139408

Ion Ratio Lower Upper

94 100

65 41.6 21.4 61.4

66 83.0 44.0 84.0



#19

n-Nitroso-di-n-propylamine

Concen: 18.80 ng

RT: 7.34 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF093433.D

Acq: 8 Mar 2017 17:29

Tgt Ion: 70 Resp: 174497

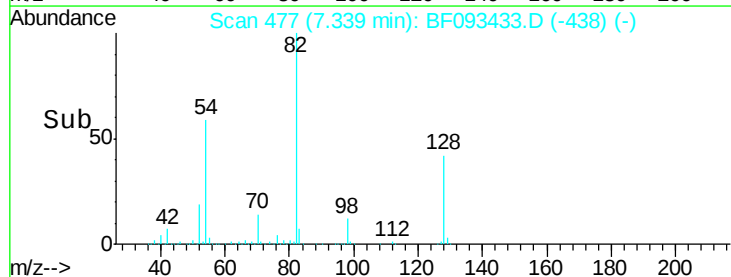
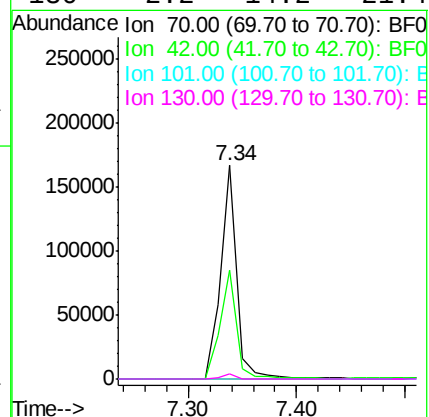
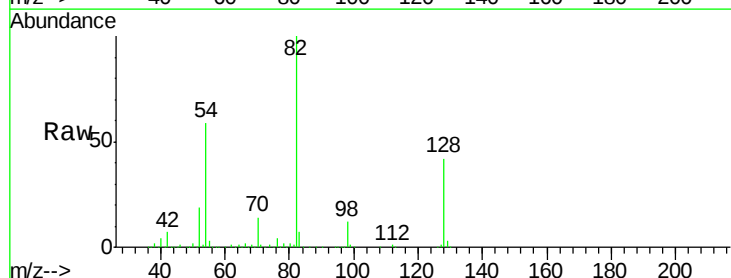
Ion Ratio Lower Upper

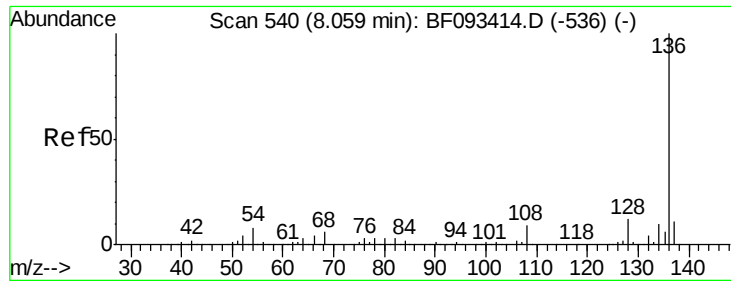
70 100

42 51.3 49.4 74.0

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

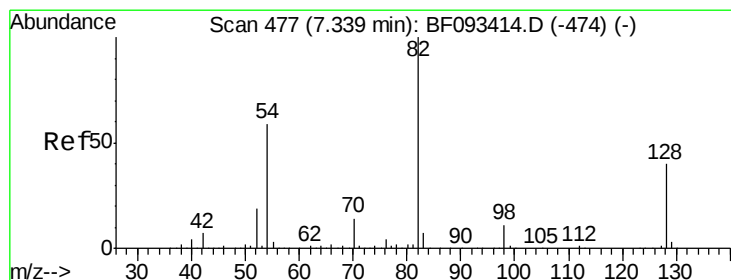
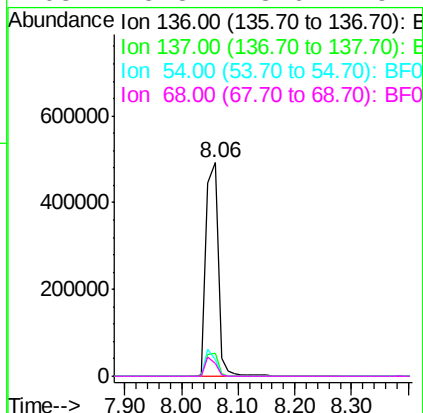
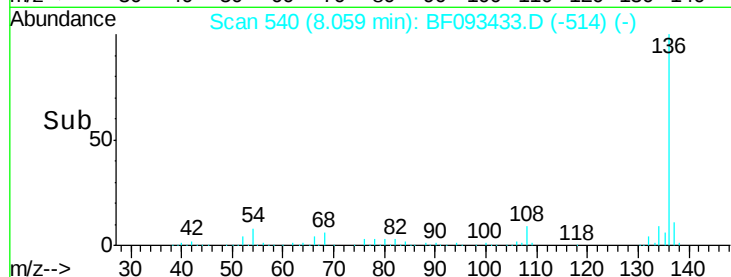
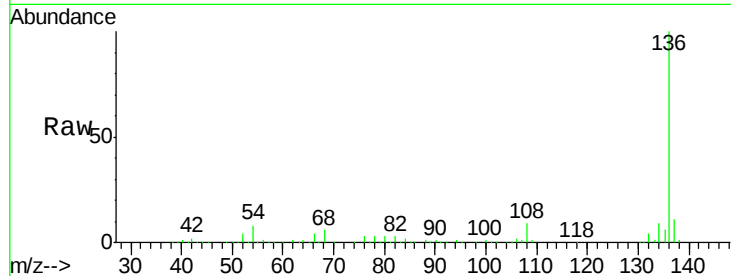




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 540
Delta R.T. -0.00 min
Lab File: BF093433.D
Acq: 8 Mar 2017 17:29

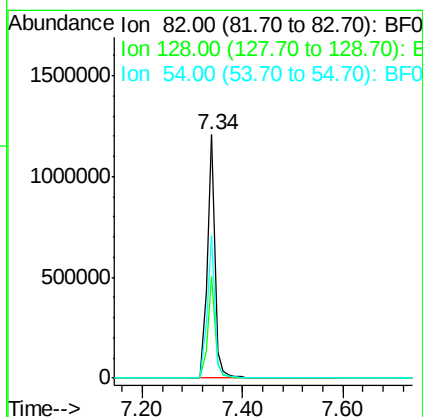
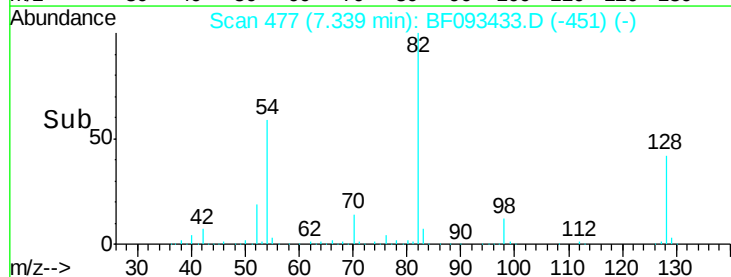
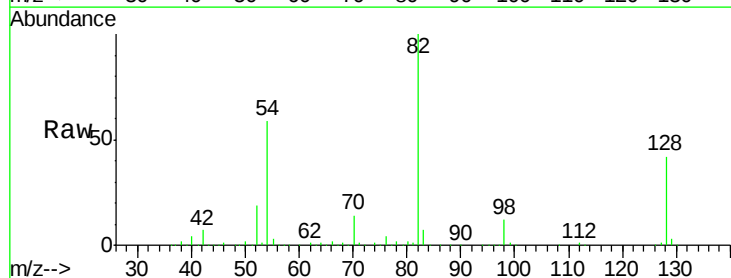
Instrument :
BNA_F
ClientSampleId :
39B-9-11

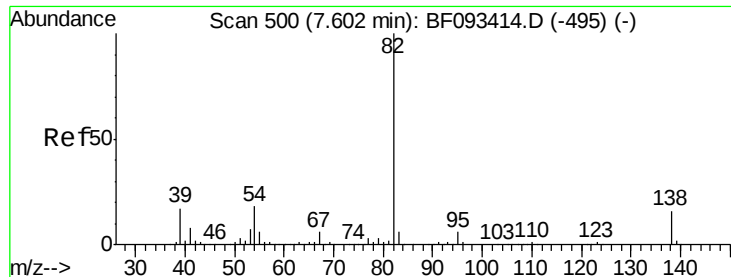
Tot Ion:136	Resp:	697538
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.4 12.6
54	7.8	4.5 6.7#
68	5.8	3.6 5.4#



#23
Nitrobenzene-d5
Concen: 101.36 ng
RT: 7.34 min Scan# 477
Delta R.T. -0.00 min
Lab File: BF093433.D
Acq: 8 Mar 2017 17:29

Tgt Ion: 82	Resp:	1274237
Ion Ratio	Lower	Upper
82	100	
128	41.7	34.6 52.0
54	58.5	39.5 59.3





#25

Isophorone

Concen: 38.37 ng

RT: 7.34 min Scan# 477

Delta R.T. -0.26 min

Lab File: BF093433.D

Acq: 8 Mar 2017 17:29

Instrument :

BNA_F

ClientSampleId :

39B-9-11

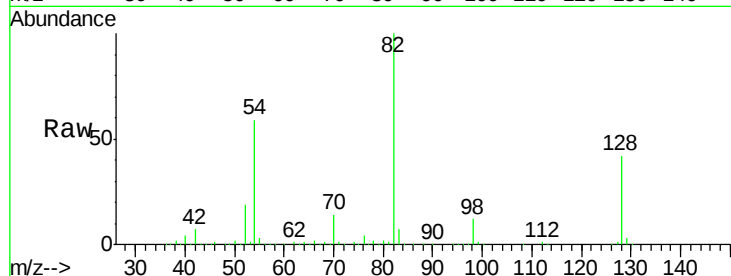
Tot Ion: 82 Resp: 972761

Ion Ratio Lower Upper

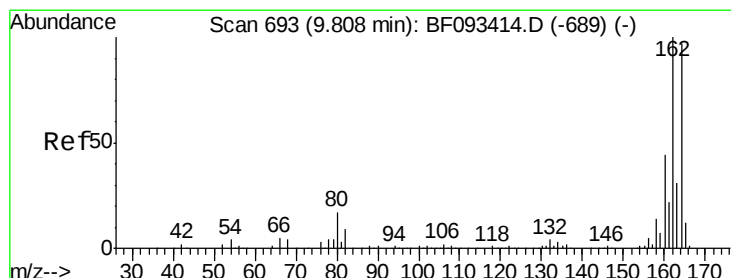
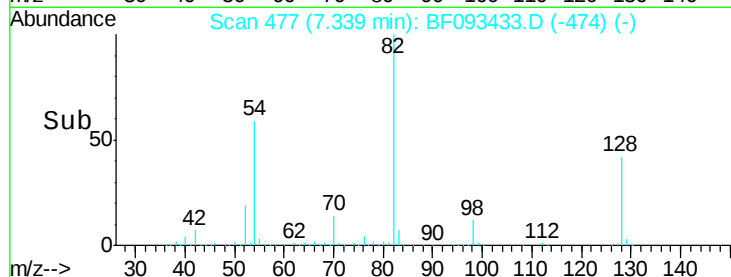
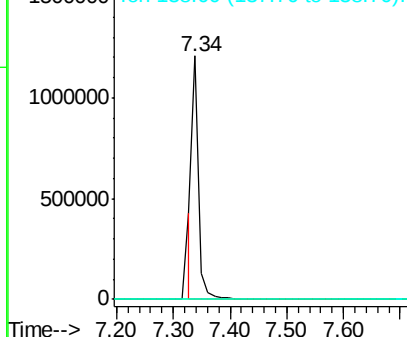
82 100

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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF093433.D

Acq: 8 Mar 2017 17:29

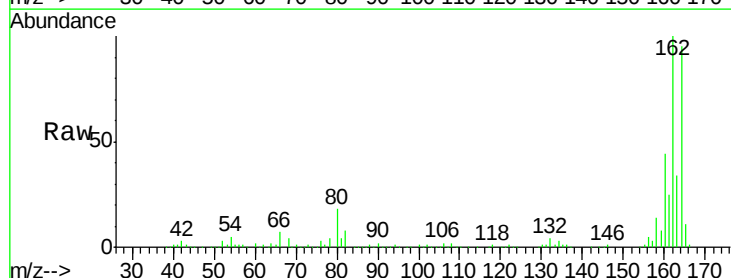
Tgt Ion:164 Resp: 342232

Ion Ratio Lower Upper

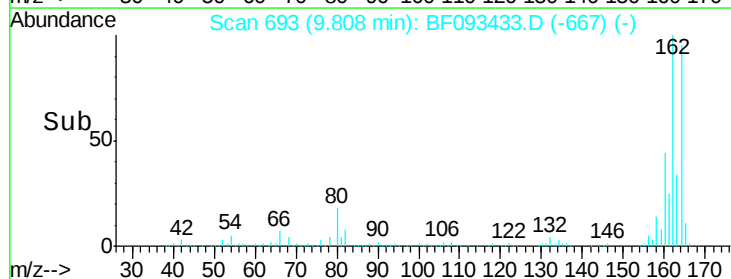
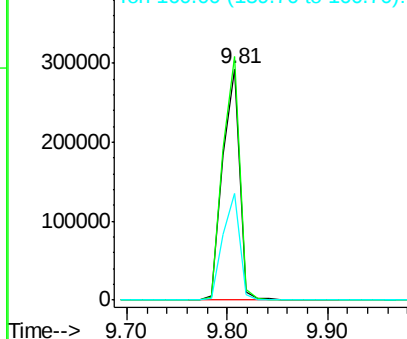
164 100

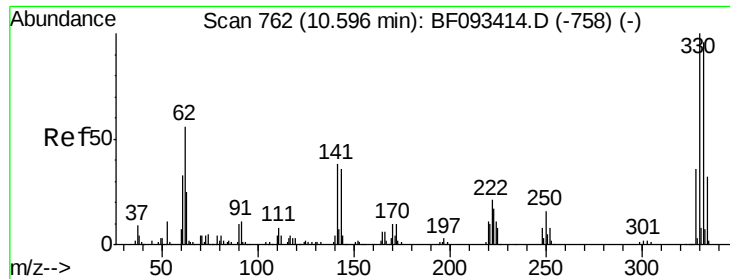
162 105.2 80.2 120.2

160 46.2 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

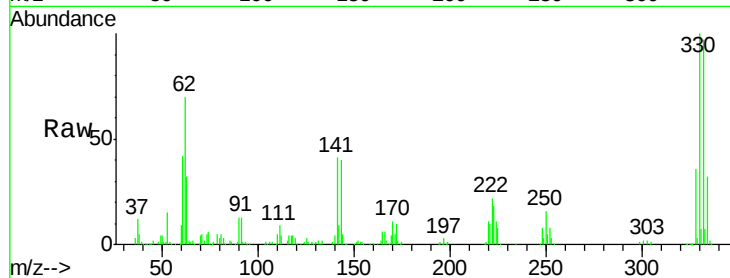




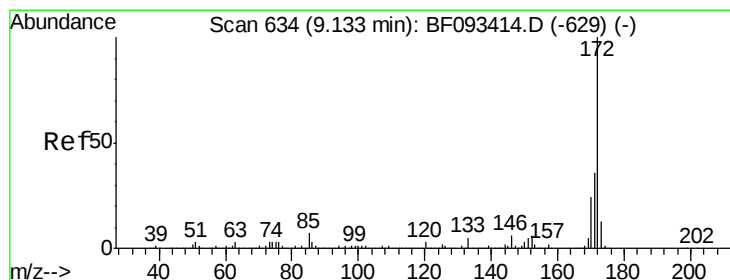
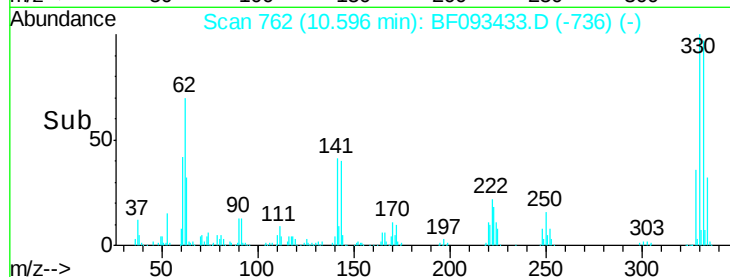
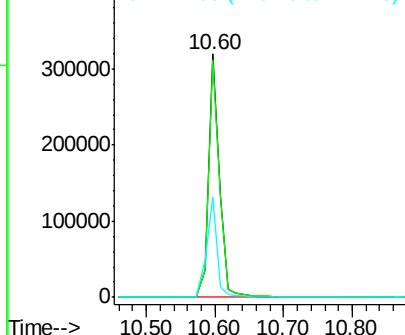
#41
 2,4,6-Tribromophenol
 Concen: 160.10 ng
 RT: 10.60 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BF093433.D
 Acq: 8 Mar 2017 17:29

Instrument :
 BNA_F
 ClientSampleId :
 39B-9-11

Tot Ion:330 Resp: 356970
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 39.4 34.1 51.1

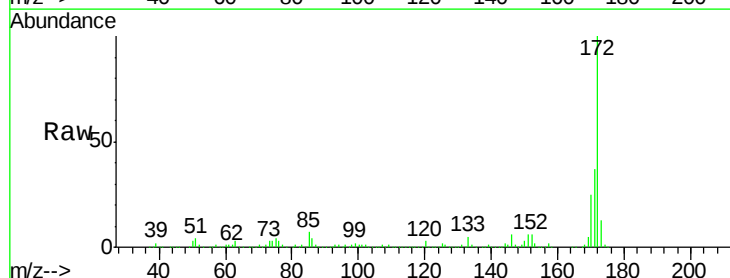


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

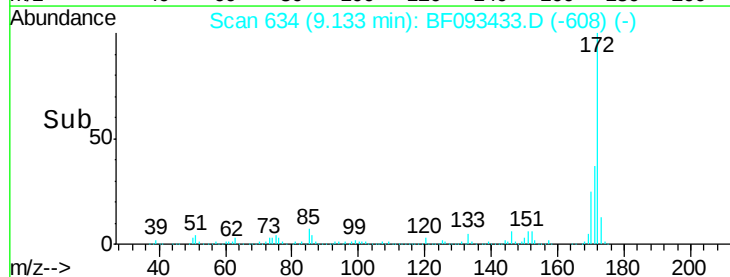
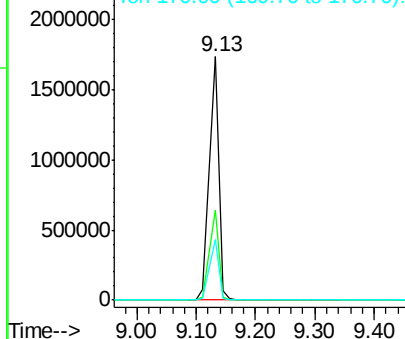


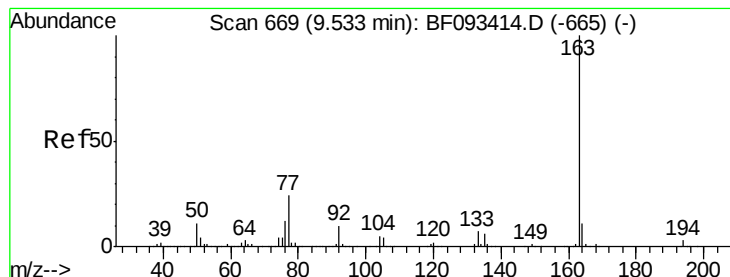
#44
 2-Fluorobiphenyl
 Concen: 105.34 ng
 RT: 9.13 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: BF093433.D
 Acq: 8 Mar 2017 17:29

Tgt Ion:172 Resp: 1938215
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 24.9 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





#49

Dimethylphthalate

Concen: 8.21 ng

RT: 9.53 min Scan# 669

Delta R.T. -0.00 min

Lab File: BF093433.D

Acq: 8 Mar 2017 17:29

Instrument :

BNA_F

ClientSampleId :

39B-9-11

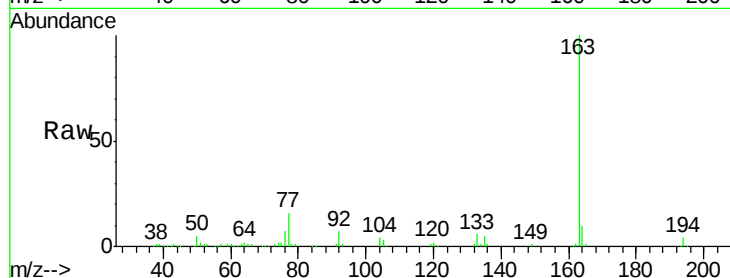
Tot Ion:163 Resp: 186277

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

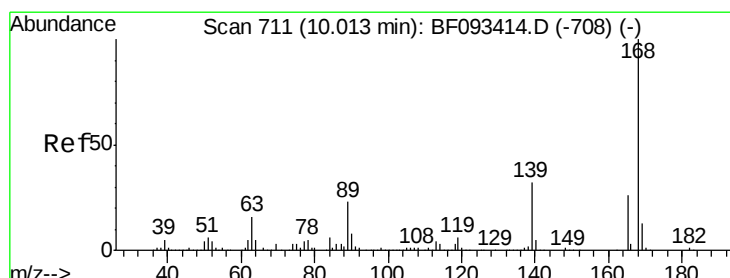
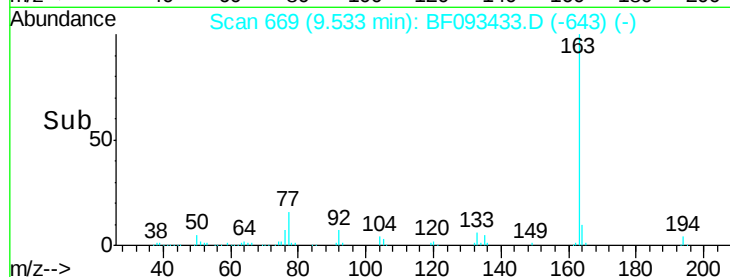
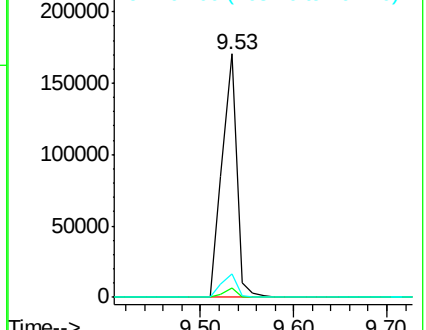
164 9.7 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.92 ng

RT: 9.81 min Scan# 693

Delta R.T. -0.21 min

Lab File: BF093433.D

Acq: 8 Mar 2017 17:29

Tgt Ion:165 Resp: 42340

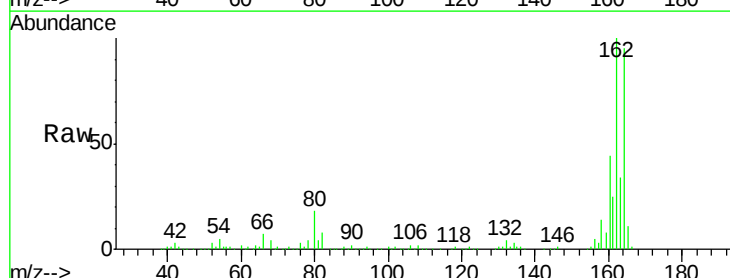
Ion Ratio Lower Upper

165 100

63 1.5 40.2 60.4#

89 1.8 62.5 93.7#

182 0.0 1.8 2.8#

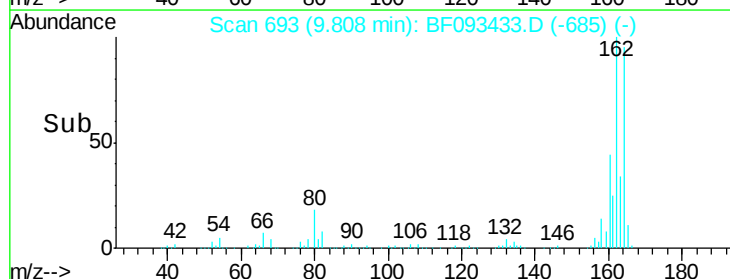
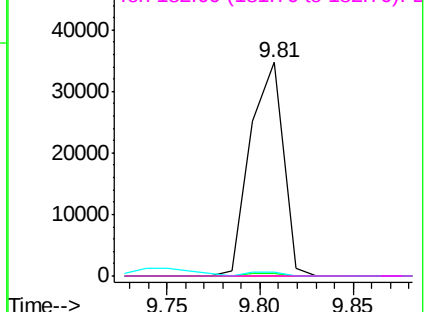


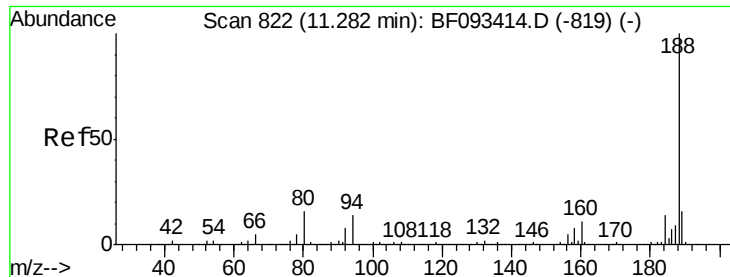
Abundance Ion 165.00 (164.70 to 165.70): E

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

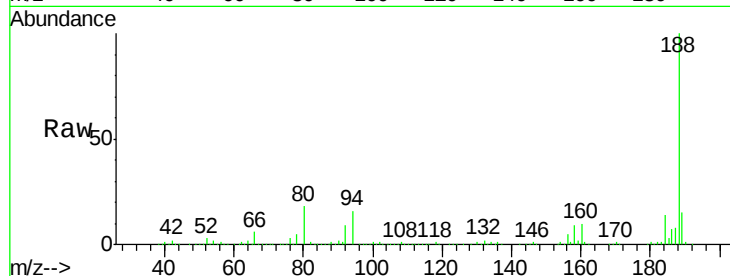




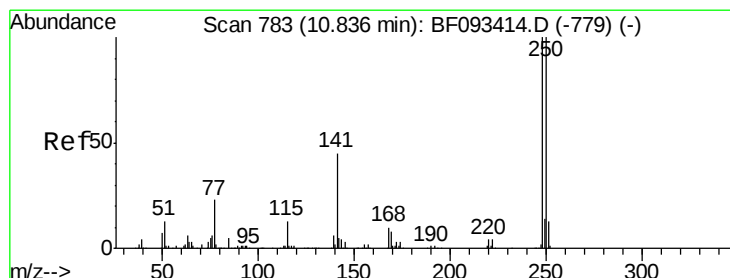
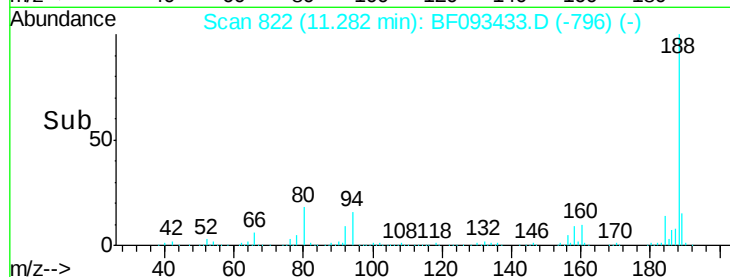
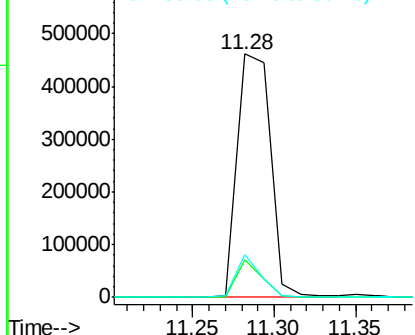
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF093433.D
Acq: 8 Mar 2017 17:29

Instrument :
BNA_F
ClientSampled :
39B-9-11

Tot Ion:188 Resp: 649821
Ion Ratio Lower Upper
188 100
94 15.6 10.0 15.0#
80 17.8 11.2 16.8#

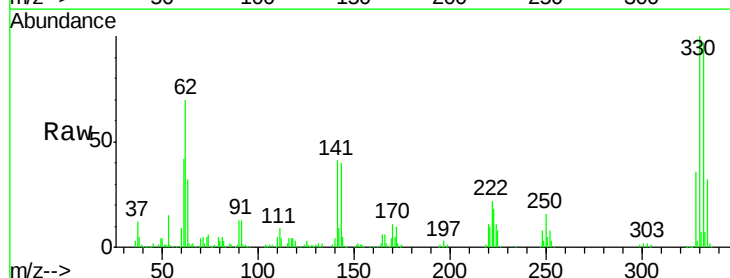


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

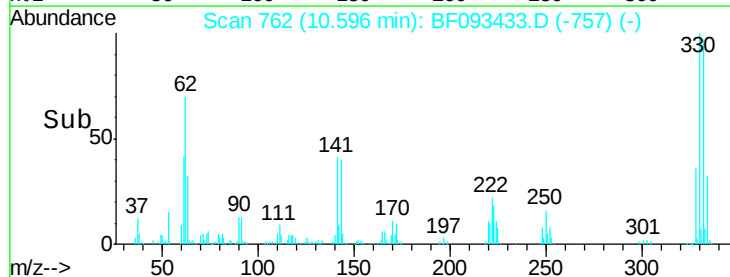
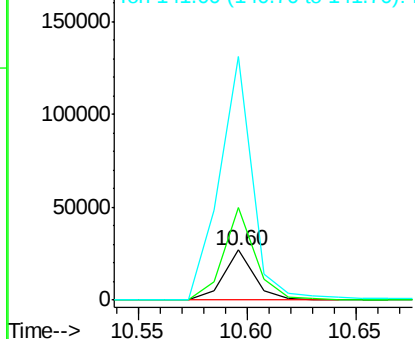


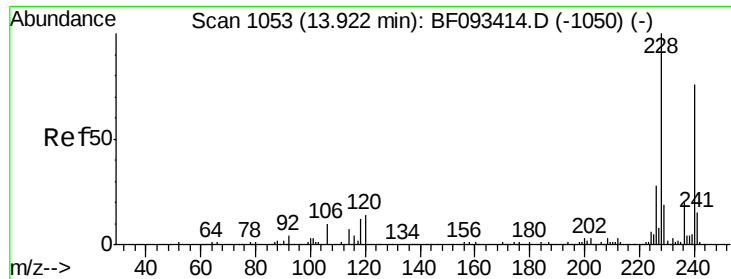
#66
4-Bromophenyl-phenylether
Concen: 3.80 ng
RT: 10.60 min Scan# 762
Delta R.T. -0.24 min
Lab File: BF093433.D
Acq: 8 Mar 2017 17:29

Tgt Ion:248 Resp: 26145
Ion Ratio Lower Upper
248 100
250 184.0 76.9 115.3#
141 484.4 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: 13.93 min Scan# 1054

Delta R.T. 0.01 min

Lab File: BF093433.D

Acq: 8 Mar 2017 17:29

Instrument :

BNA_F

ClientSampleId :

39B-9-11

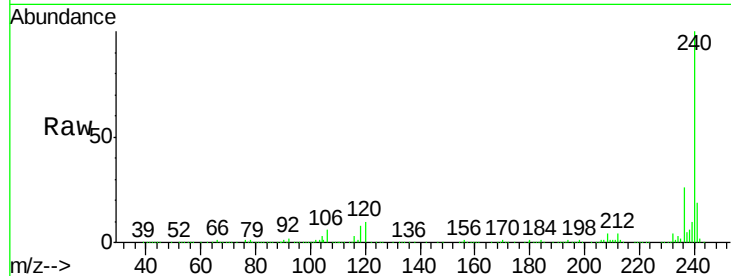
Tot Ion:240 Resp: 606317

Ion Ratio Lower Upper

240 100

120 9.5 12.9 19.3#

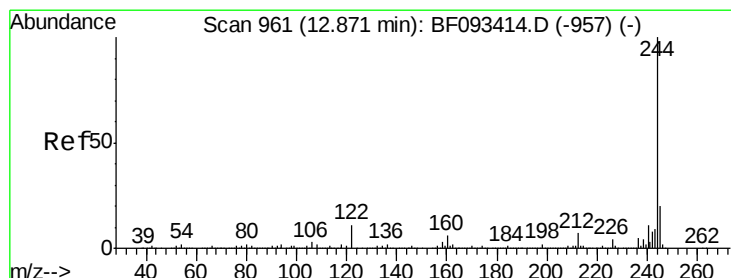
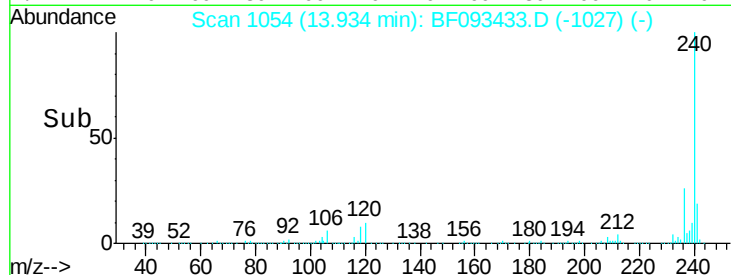
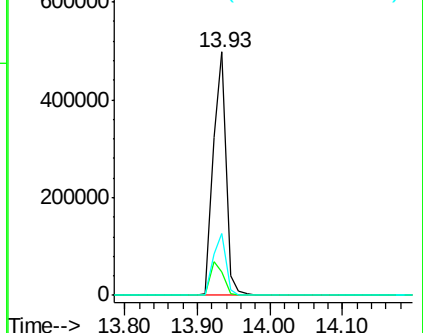
236 25.5 20.9 31.3



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: 70.88 ng

RT: 12.87 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF093433.D

Acq: 8 Mar 2017 17:29

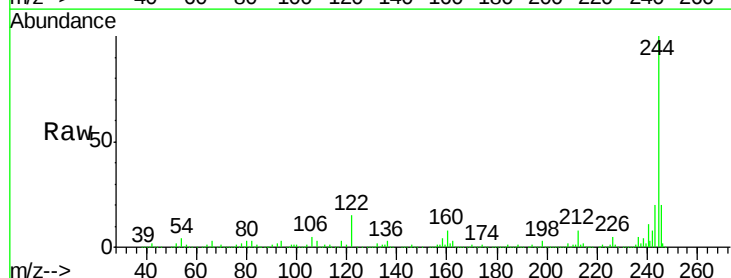
Tgt Ion:244 Resp: 1652977

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

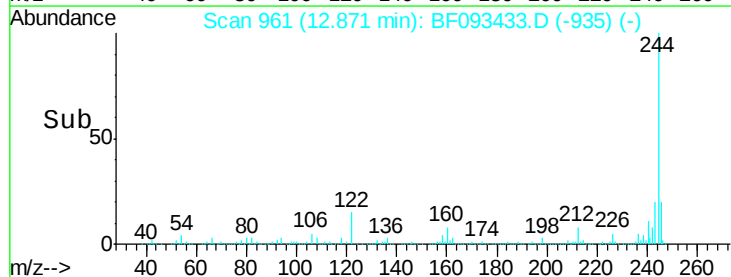
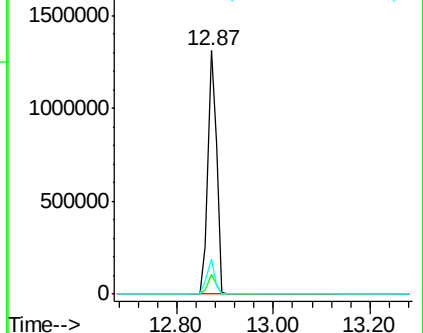
122 14.5 11.4 17.2

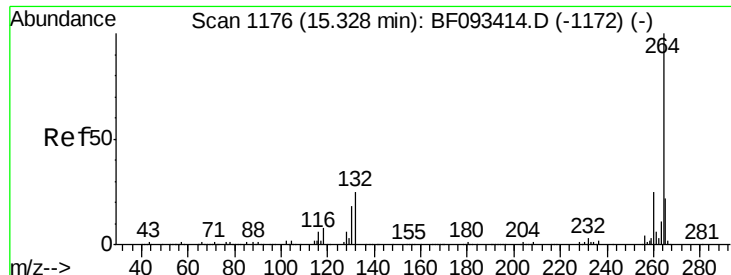


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.34 min Scan# 1177
Delta R.T. 0.01 min
Lab File: BF093433.D
Acq: 8 Mar 2017 17:29

Instrument :
BNA_F
ClientSampleId :
39B-9-11

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.8	17.4	26.0

