

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031017\
 Data File : BF093546.D
 Acq On : 11 Mar 2017 2:38
 Operator : SJ/MA
 Sample : I2198-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-04

Quant Time: Mar 11 03:05:39 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

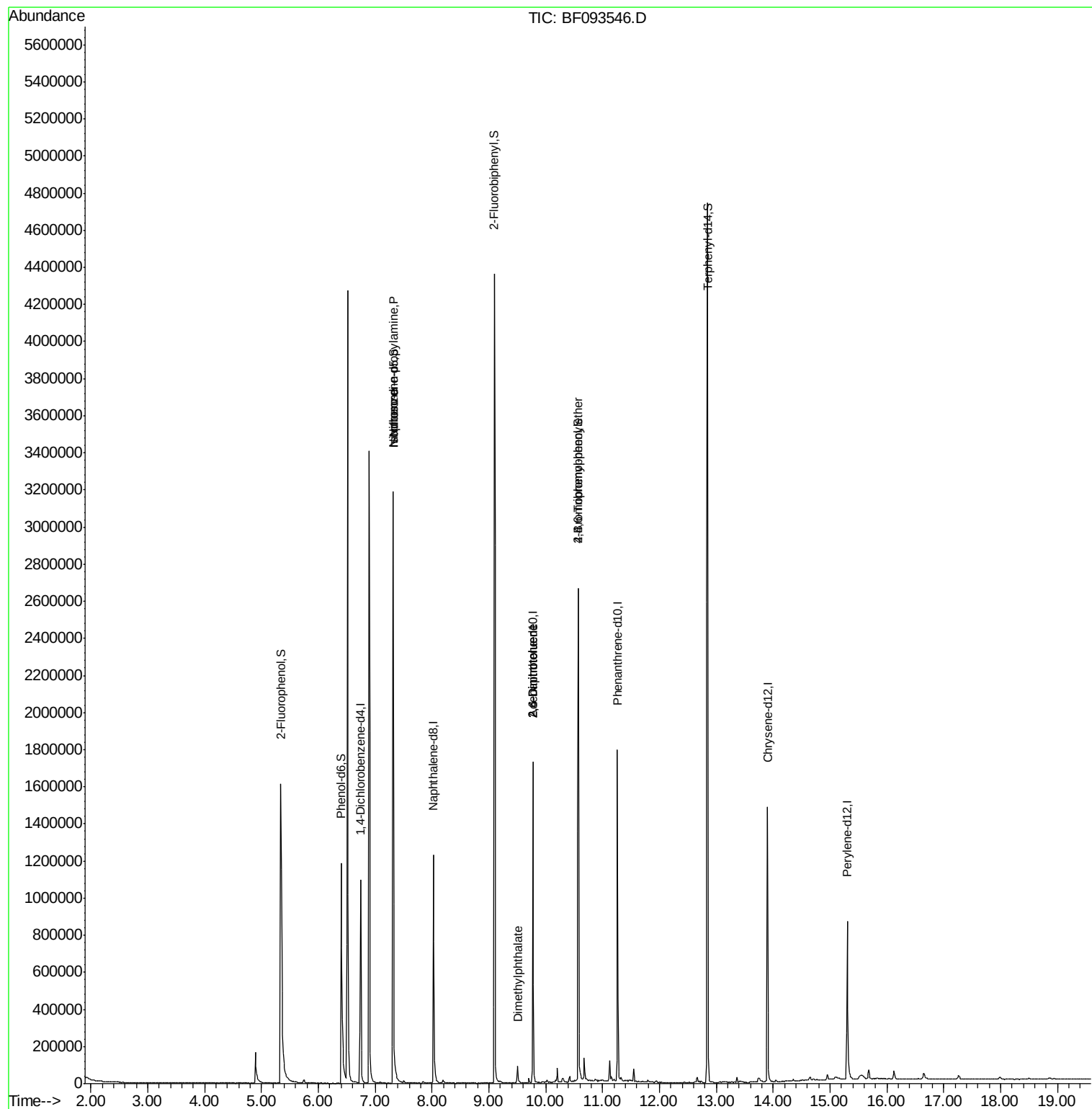
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	183211	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	725262	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	341799	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	648713	20.00	ng	-0.02
75) Chrysene-d12	13.90	240	534929	20.00	ng	-0.02
86) Perylene-d12	15.31	264	382180	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	782639	71.10	ng	-0.01
7) Phenol-d6	6.40	99	668233	48.14	ng	-0.01
23) Nitrobenzene-d5	7.32	82	1126752	86.20	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	330879	148.58	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	1853131	100.85	ng	-0.03
78) Terphenyl-d14	12.85	244	1664349	80.89	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.40	77	1201	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.32	70	148935	15.61	ng	# 82
25) Isophorone	7.32	82	1128632	42.82	ng	# 65
49) Dimethylphthalate	9.51	163	58628	2.59	ng	100
50) 2,6-Dinitrotoluene	9.77	165	44768	9.00	ng	# 31
56) 2,4-Dinitrotoluene	9.77	165	44770	7.33	ng	# 20
66) 4-Bromophenyl-phenylether	10.57	248	26029	3.79	ng	# 1

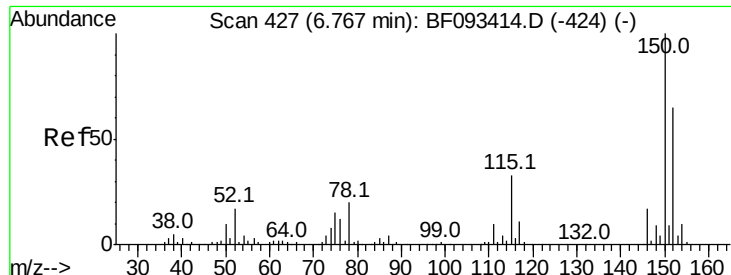
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF093546.D

Acq: 11 Mar 2017 2:38

Instrument :

BNA_F

ClientSampled :

W-04

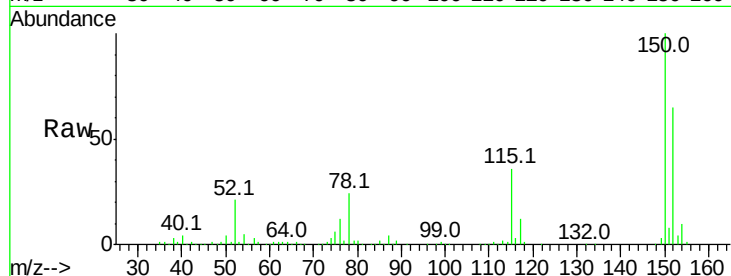
Tot Ion:152 Resp: 183211

Ion Ratio Lower Upper

152 100

150 154.9 124.9 187.3

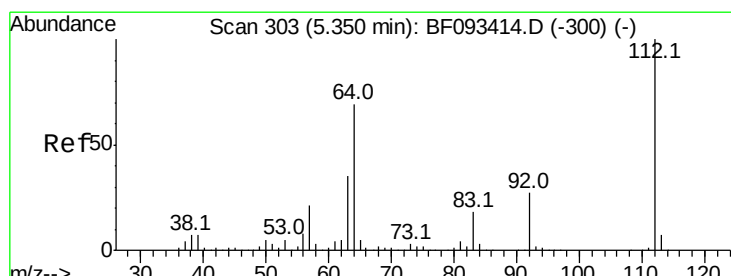
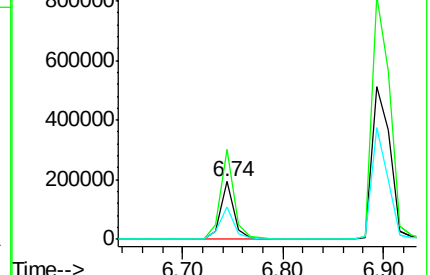
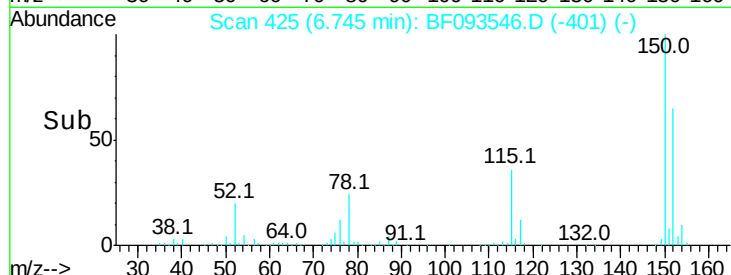
115 56.2 46.0 69.0



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: 71.10 ng

RT: 5.34 min Scan# 302

Delta R.T. -0.01 min

Lab File: BF093546.D

Acq: 11 Mar 2017 2:38

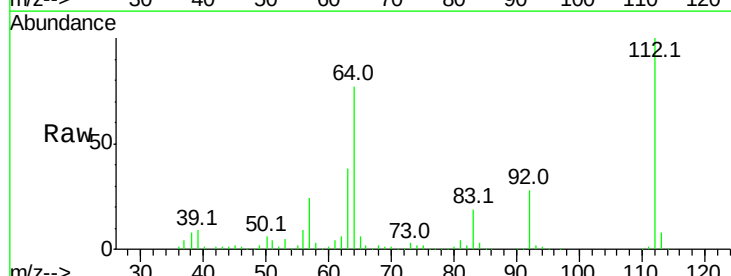
Tgt Ion:112 Resp: 782639

Ion Ratio Lower Upper

112 100

64 77.1 46.1 69.1#

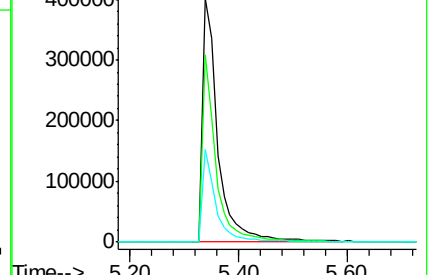
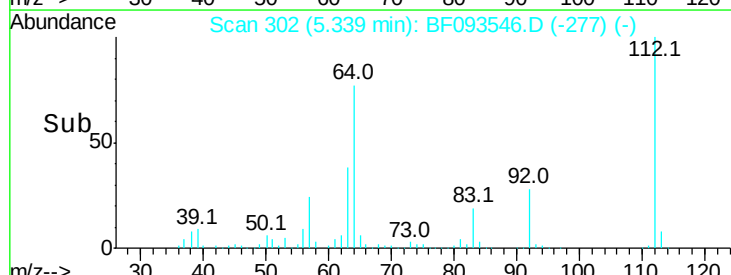
63 38.2 23.8 35.6#

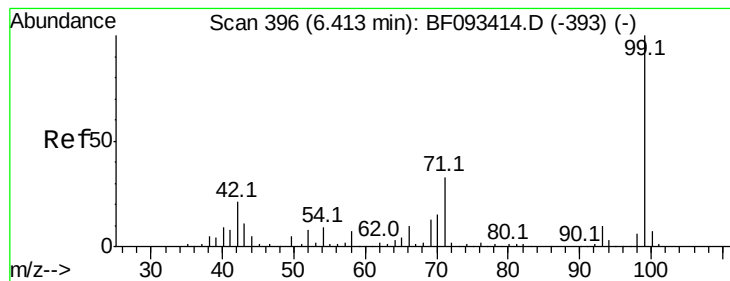


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 48.14 ng

RT: 6.40 min Scan# 395

Delta R.T. -0.01 min

Lab File: BF093546.D

Acq: 11 Mar 2017 2:38

Instrument :

BNA_F

ClientSampled :

W-04

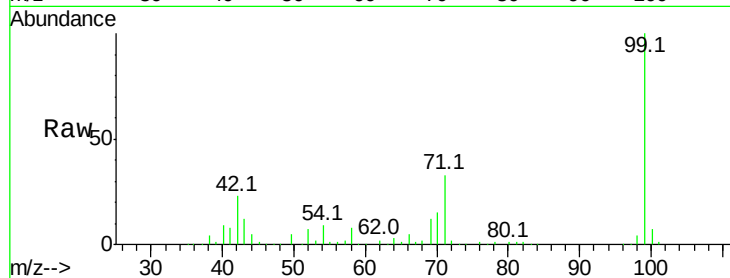
Tot Ion: 99 Resp: 668233

Ion Ratio Lower Upper

99 100

42 23.0 15.6 23.4

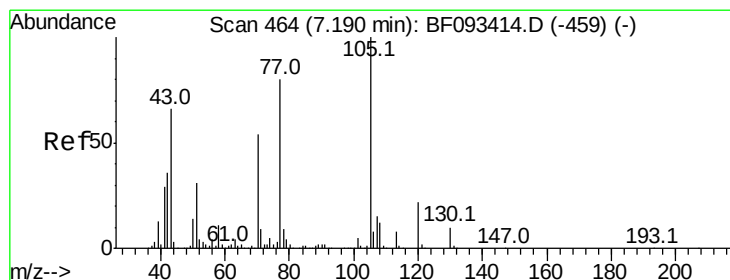
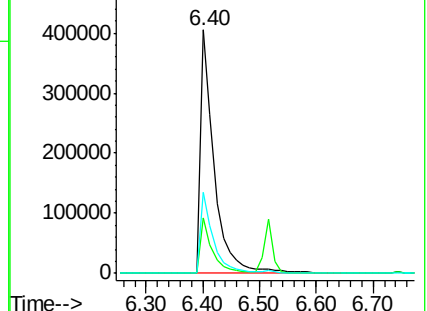
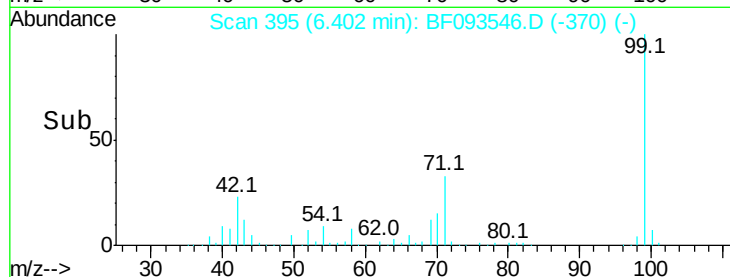
71 33.2 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.61 ng

RT: 7.32 min Scan# 475

Delta R.T. 0.13 min

Lab File: BF093546.D

Acq: 11 Mar 2017 2:38

Tgt Ion: 70 Resp: 148935

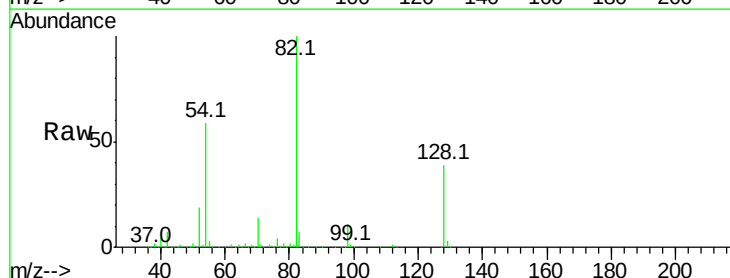
Ion Ratio Lower Upper

70 100

42 53.1 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

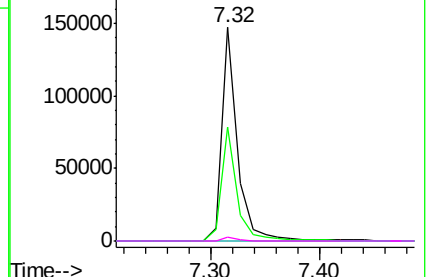
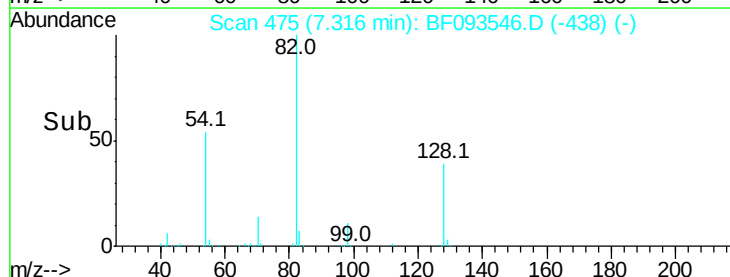


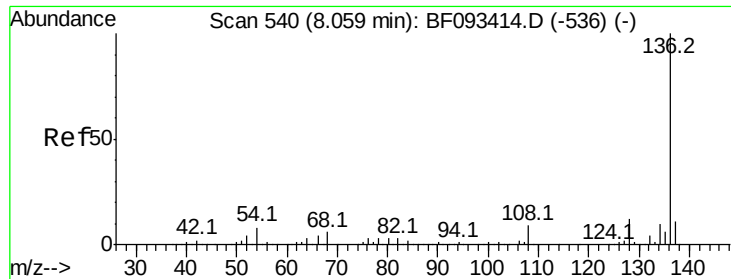
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

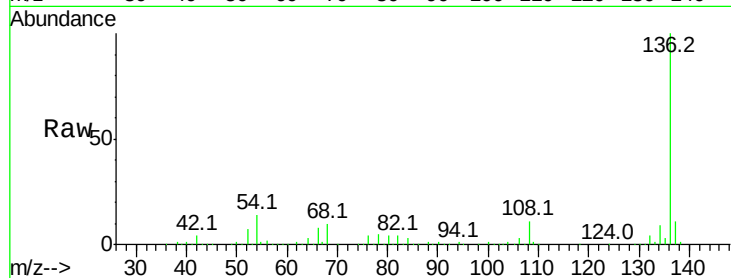




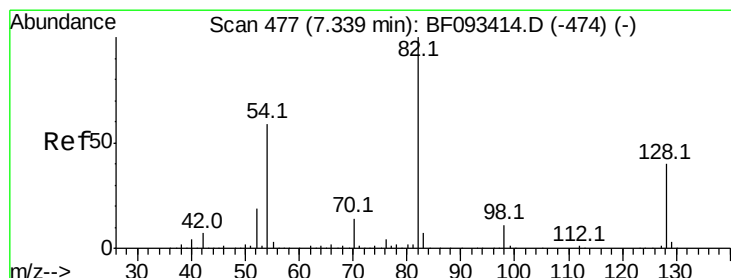
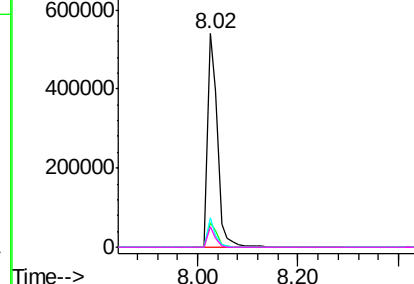
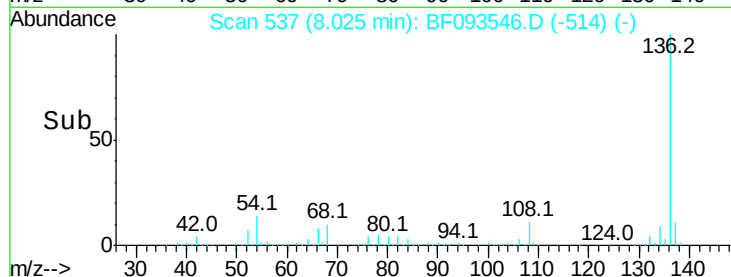
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF093546.D
Acq: 11 Mar 2017 2:38

Instrument :
BNA_F
ClientSampleId :
W-04

Tot Ion:	136	Resp:	725262
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.4	12.6
54	13.9	4.5	6.7#
68	9.8	3.6	5.4#

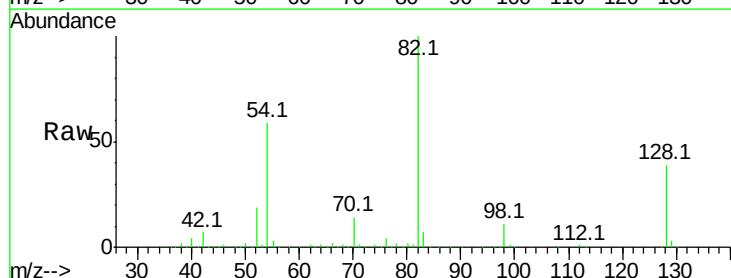


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

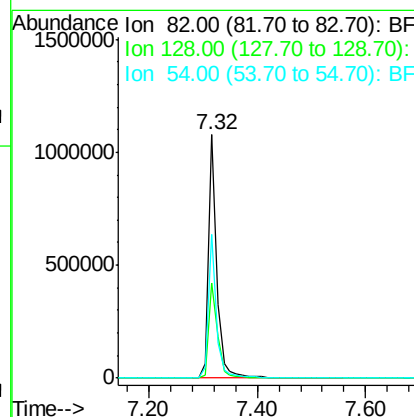
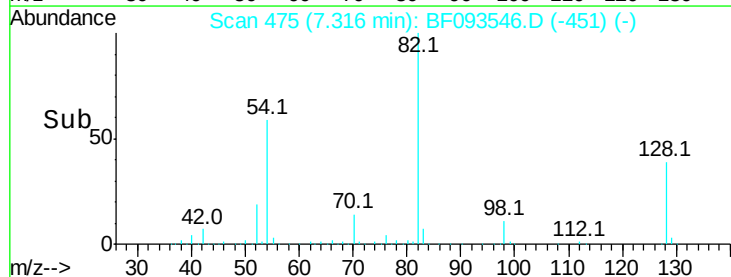


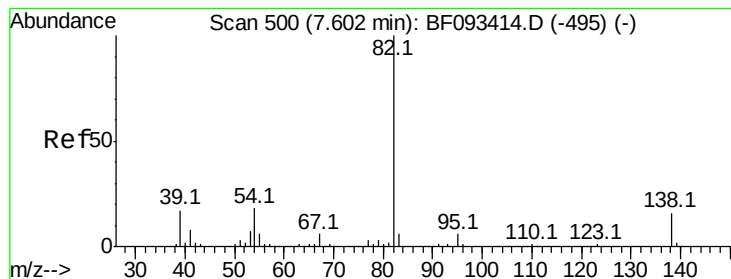
#23
Nitrobenzene-d5
Concen: 86.20 ng
RT: 7.32 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF093546.D
Acq: 11 Mar 2017 2:38

Tgt Ion:	82	Resp:	1126752
Ion	Ratio	Lower	Upper
82	100		
128	39.1	34.6	52.0
54	59.3	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: 42.82 ng

RT: 7.32 min Scan# 475

Delta R.T. -0.29 min

Lab File: BF093546.D

Acq: 11 Mar 2017 2:38

Instrument :

BNA_F

ClientSampleId :

W-04

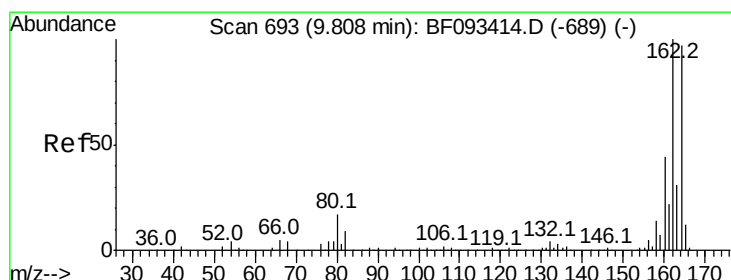
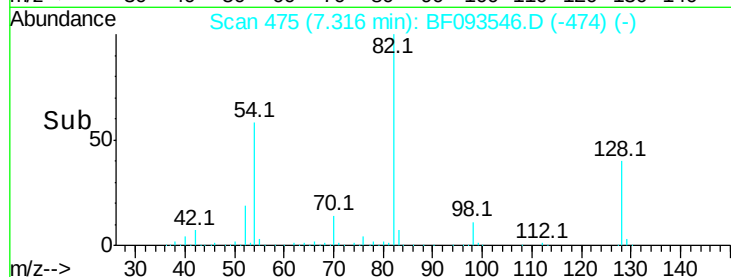
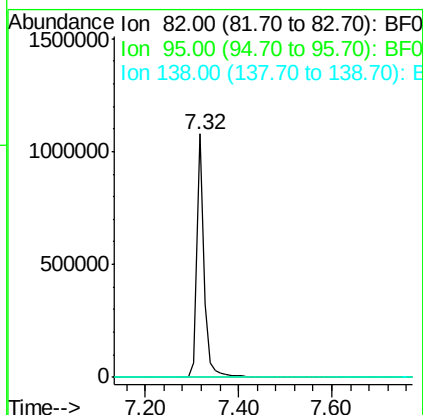
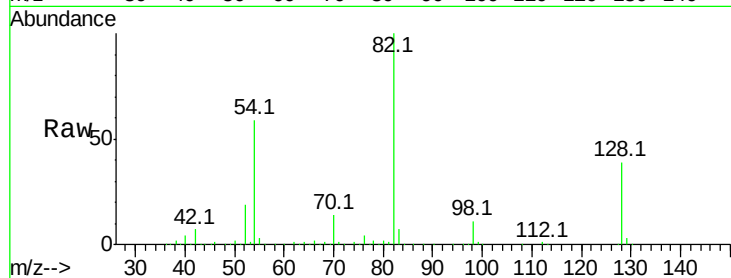
Tot Ion: 82 Resp: 1128632

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: 9.77 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF093546.D

Acq: 11 Mar 2017 2:38

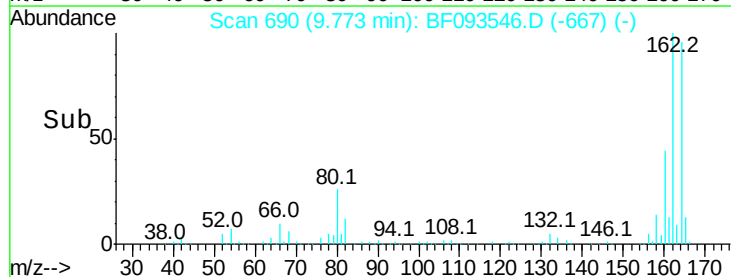
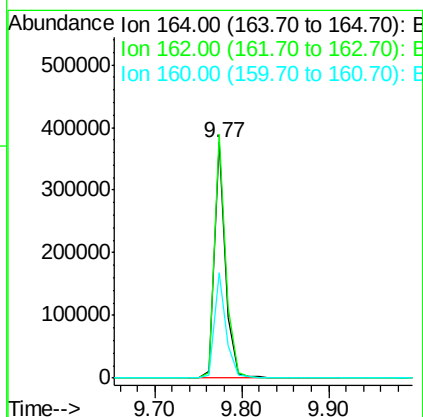
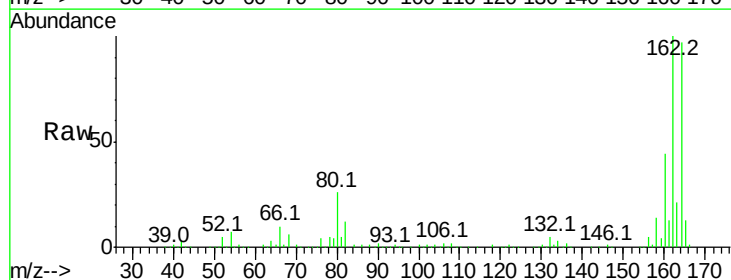
Tgt Ion:164 Resp: 341799

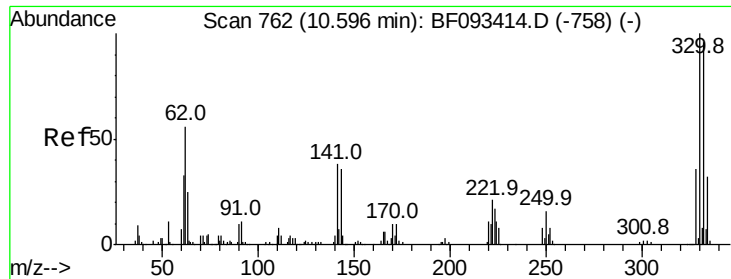
Ion Ratio Lower Upper

164 100

162 103.3 80.2 120.2

160 45.0 36.9 55.3

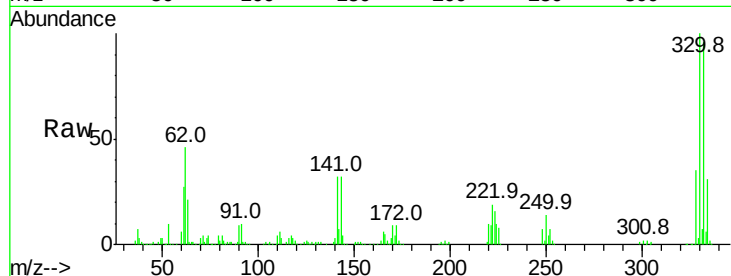




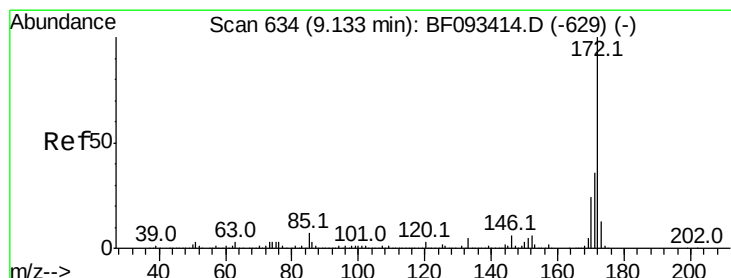
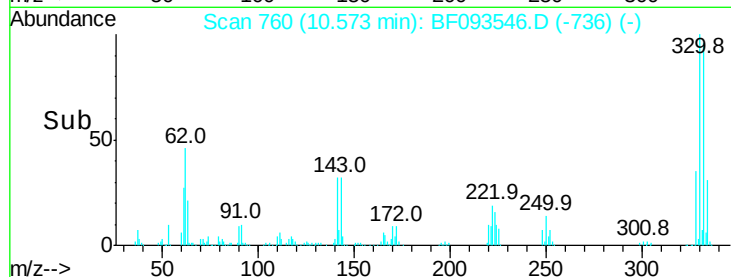
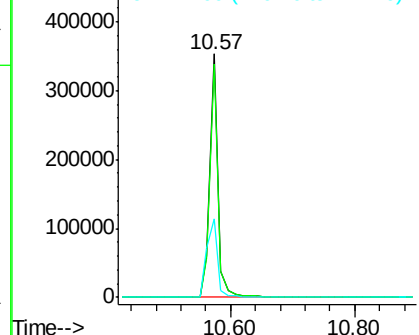
#41
 2,4,6-Tribromophenol
 Concen: 148.58 ng
 RT: 10.57 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: BF093546.D
 Acq: 11 Mar 2017 2:38

Instrument :
 BNA_F
 ClientSampleId :
 W-04

Tot Ion:330 Resp: 330879
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.2
 141 43.3 34.1 51.1

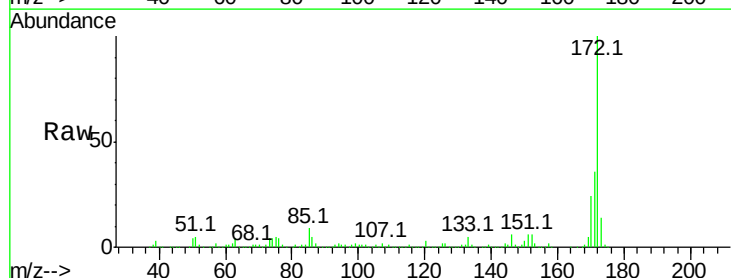


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

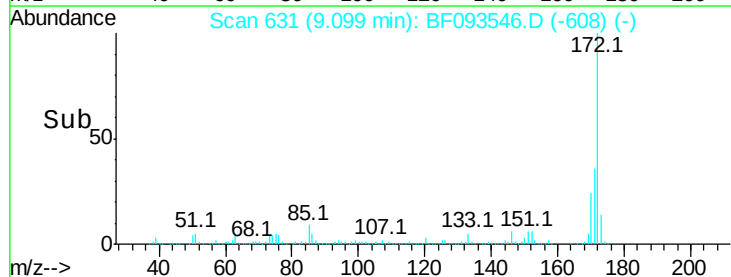
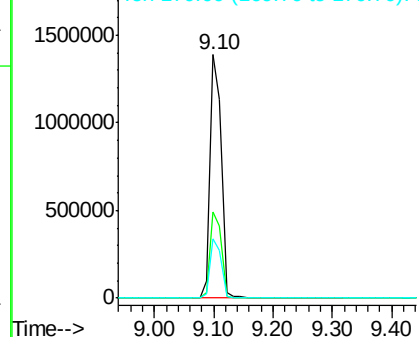


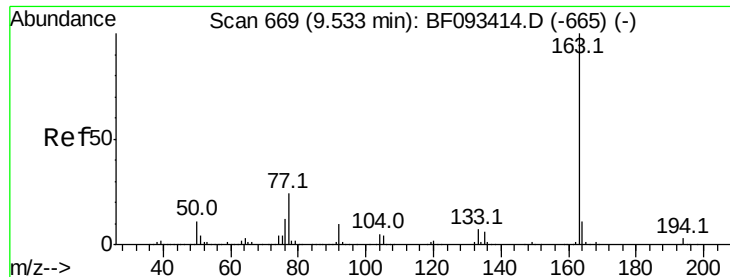
#44
 2-Fluorobiphenyl
 Concen: 100.85 ng
 RT: 9.10 min Scan# 631
 Delta R.T. -0.03 min
 Lab File: BF093546.D
 Acq: 11 Mar 2017 2:38

Tgt Ion:172 Resp: 1853131
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.0
 170 24.4 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: 2.59 ng

RT: 9.51 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF093546.D

Acq: 11 Mar 2017 2:38

Instrument :

BNA_F

ClientSampleId :

W-04

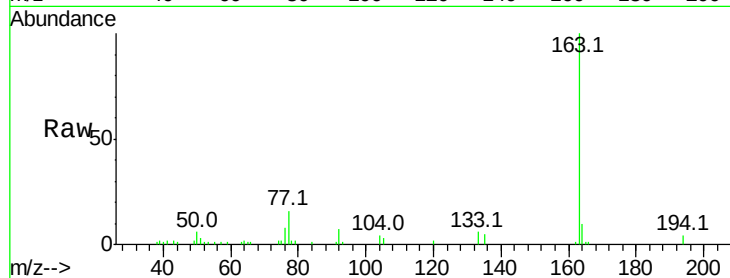
Tot Ion:163 Resp: 58628

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

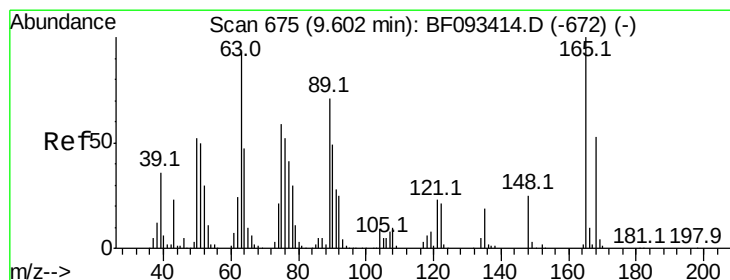
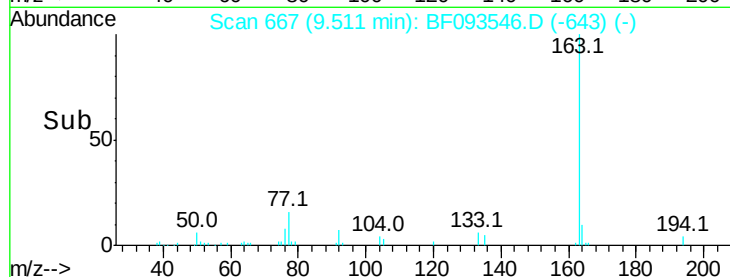
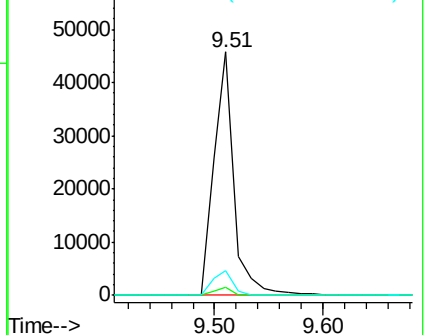
164 9.9 8.0 12.0



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



#50

2,6-Dinitrotoluene

Concen: 9.00 ng

RT: 9.77 min Scan# 690

Delta R.T. 0.17 min

Lab File: BF093546.D

Acq: 11 Mar 2017 2:38

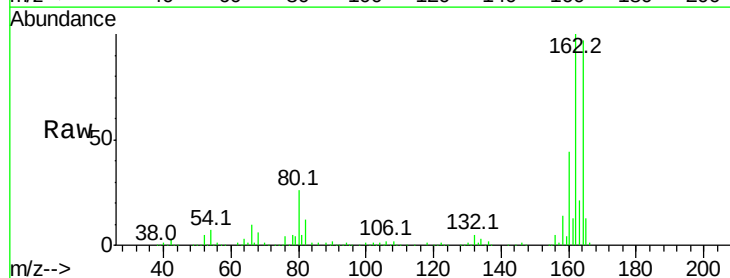
Tgt Ion:165 Resp: 44768

Ion Ratio Lower Upper

165 100

63 1.4 36.2 54.4#

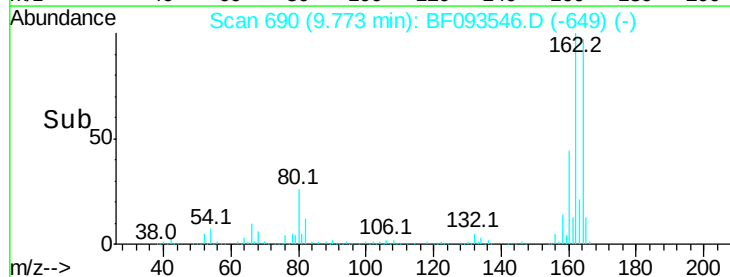
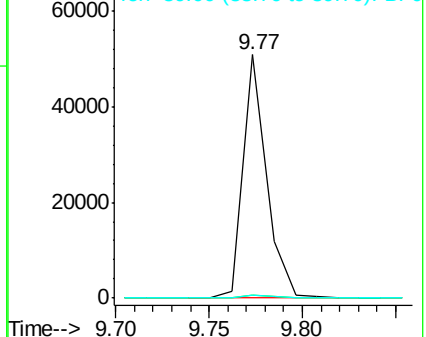
89 1.2 40.2 60.4#

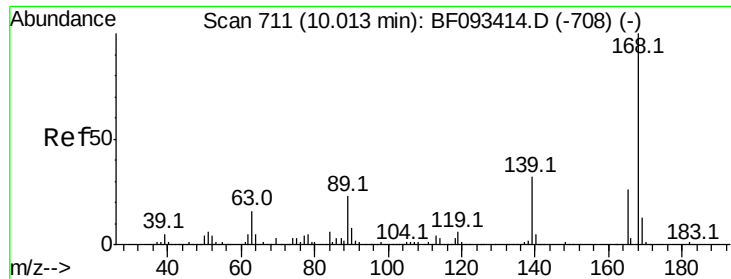


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

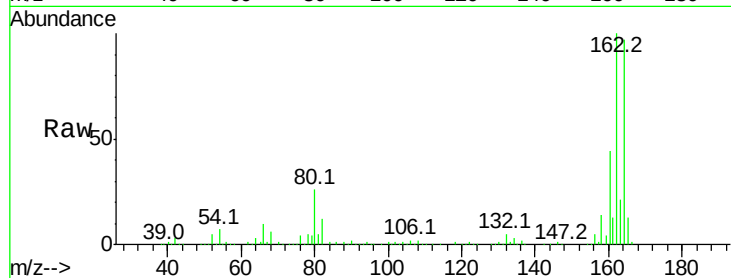




#56
 2,4-Dinitrotoluene
 Concen: 7.33 ng
 RT: 9.77 min Scan# 690
 Delta R.T. -0.24 min
 Lab File: BF093546.D
 Acq: 11 Mar 2017 2:38

Instrument :
 BNA_F
 ClientSampleId :
 W-04

Tot Ion:165	Resp:	44770
Ion Ratio	Lower	Upper
165	100	
63	1.4	40.2 60.4#
89	1.2	62.5 93.7#
182	0.0	1.8 2.8#

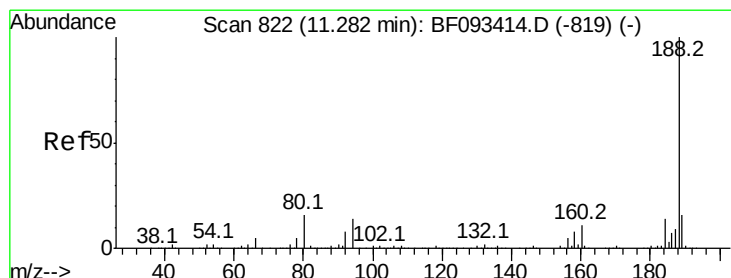
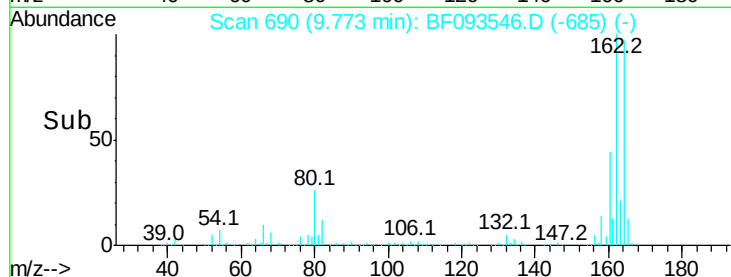
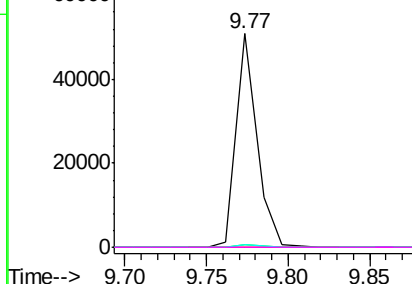


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

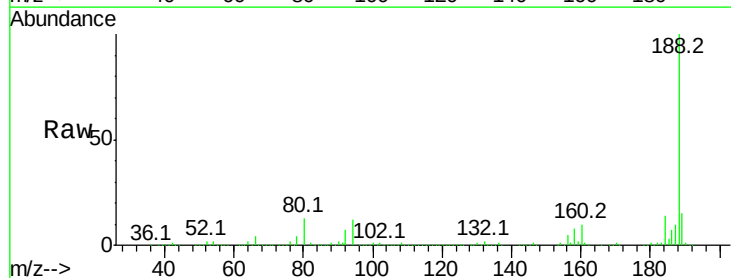
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 820
 Delta R.T. -0.02 min
 Lab File: BF093546.D
 Acq: 11 Mar 2017 2:38

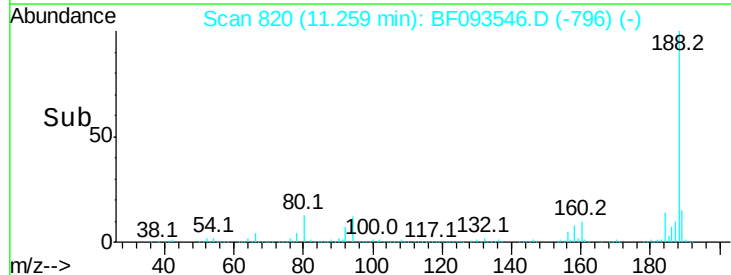
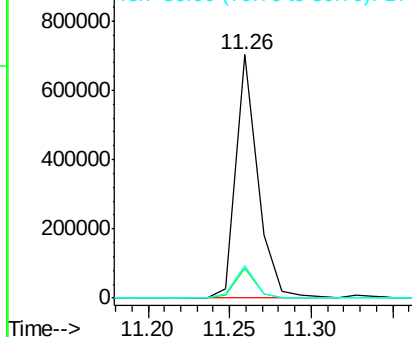
Tgt Ion:188	Resp:	648713
Ion Ratio	Lower	Upper
188	100	
94	12.1	10.0 15.0
80	13.1	11.2 16.8

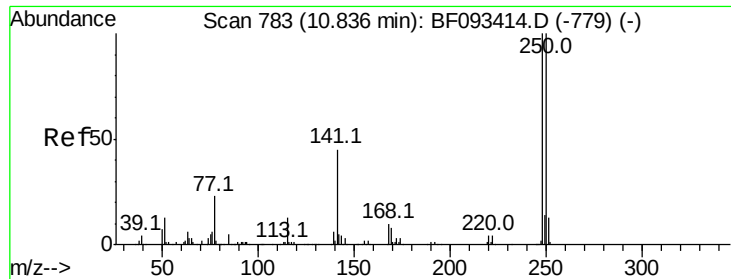


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.79 ng

RT: 10.57 min Scan# 760

Delta R.T. -0.26 min

Lab File: BF093546.D

Acq: 11 Mar 2017 2:38

Instrument :

BNA_F

ClientSampleId :

W-04

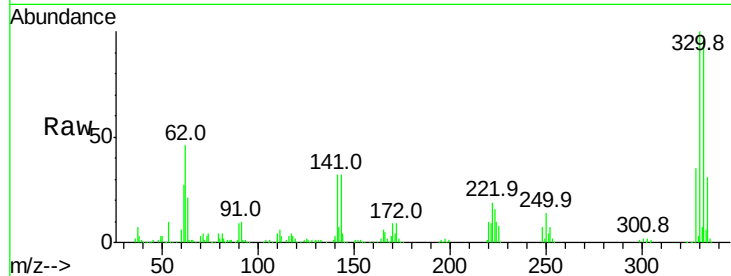
Tot Ion:248 Resp: 26029

Ion Ratio Lower Upper

248 100

250 199.9 76.9 115.3#

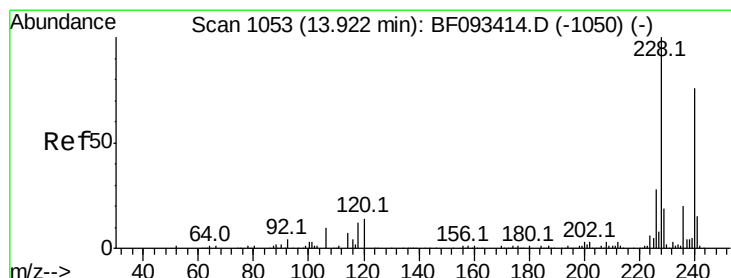
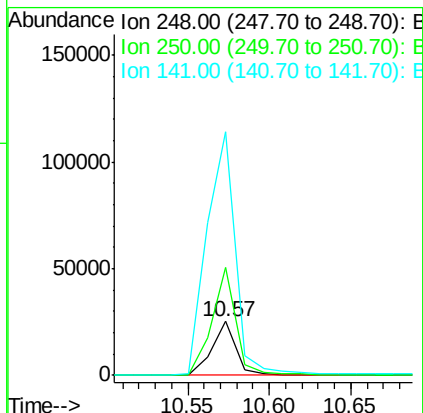
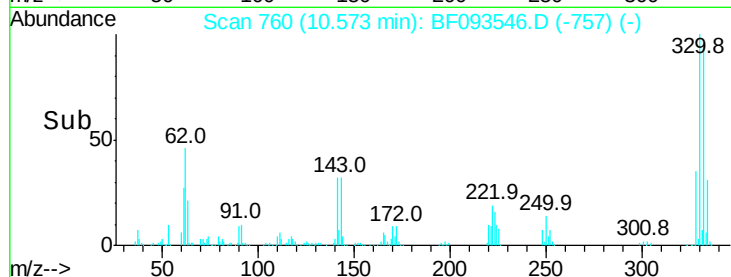
141 450.5 68.2 102.4#



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: 13.90 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BF093546.D

Acq: 11 Mar 2017 2:38

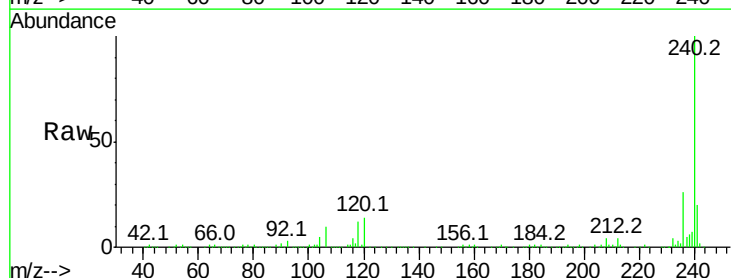
Tgt Ion:240 Resp: 534929

Ion Ratio Lower Upper

240 100

120 14.1 12.9 19.3

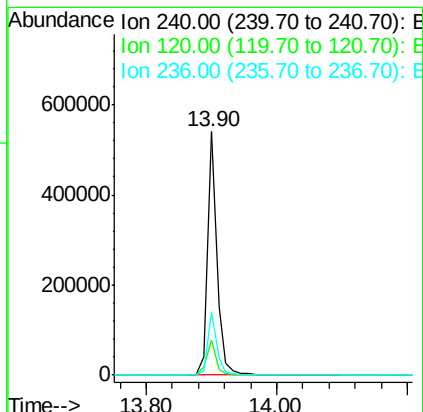
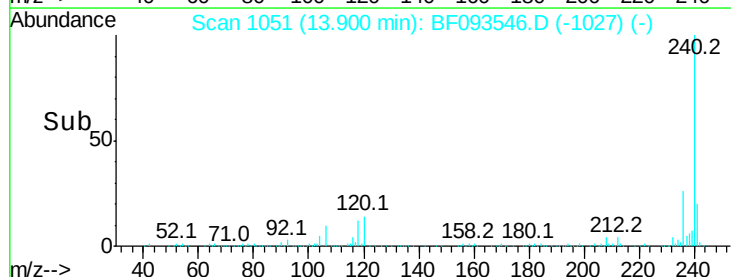
236 26.1 20.9 31.3

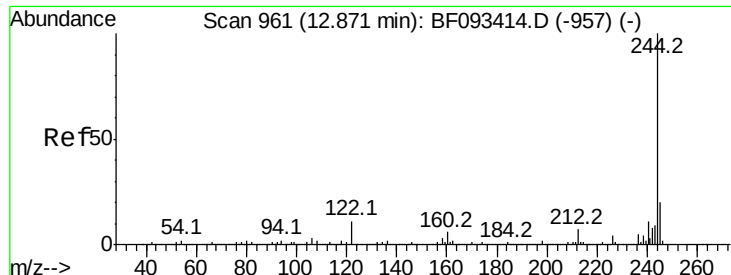


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 80.89 ng

RT: 12.85 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF093546.D

Acq: 11 Mar 2017 2:38

Instrument :

BNA_F

ClientSampleId :

W-04

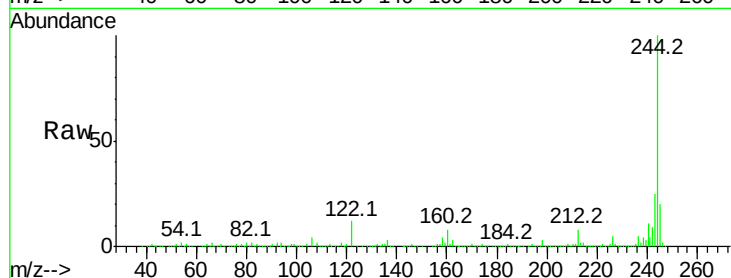
Tot Ion:244 Resp: 1664349

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

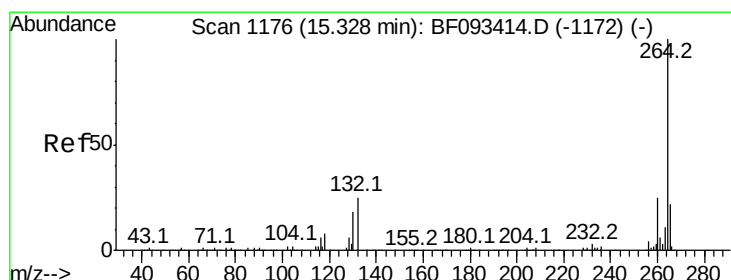
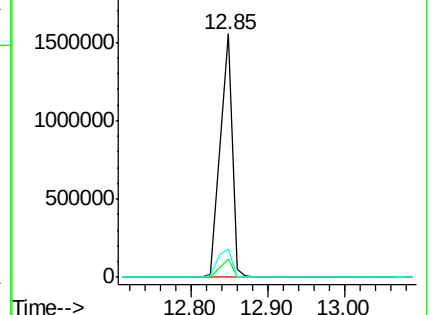
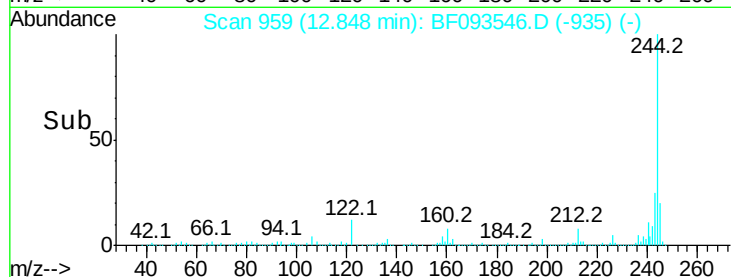
122 11.7 11.4 17.2



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

Perylene-d12

Concen: 20.00 ng

RT: 15.31 min Scan# 1174

Delta R.T. -0.02 min

Lab File: BF093546.D

Acq: 11 Mar 2017 2:38

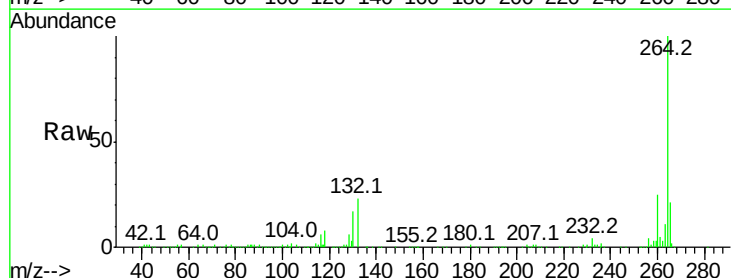
Tgt Ion:264 Resp: 382180

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 21.5 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

