

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031017\
 Data File : BF093533.D
 Acq On : 10 Mar 2017 20:23
 Operator : SJ/MA
 Sample : I2172-25
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-49

Quant Time: Mar 10 22:18:01 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

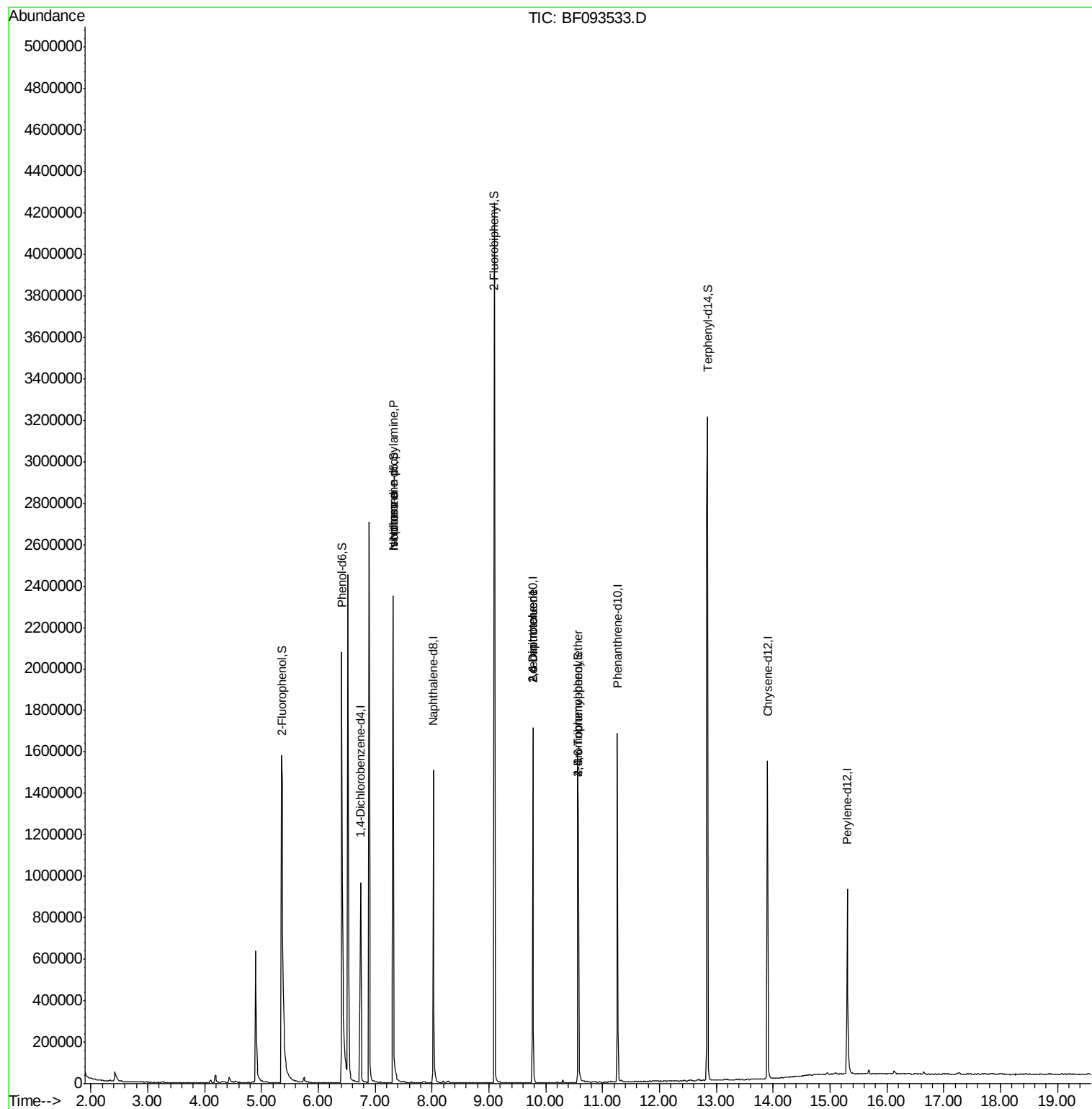
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	167763	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	685839	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	329286	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	608756	20.00	ng	-0.02
75) Chrysene-d12	13.90	240	550566	20.00	ng	-0.02
86) Perylene-d12	15.31	264	399977	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	988602	98.08	ng	0.01
7) Phenol-d6	6.41	99	1190010	93.62	ng	0.00
23) Nitrobenzene-d5	7.32	82	824528	66.70	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	244714	114.07	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	1283846	72.52	ng	-0.03
78) Terphenyl-d14	12.85	244	1396071	65.93	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.41	77	1743	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.32	70	106180	12.15	ng	# 82
25) Isophorone	7.32	82	826252	33.15	ng	# 65
50) 2,6-Dinitrotoluene	9.77	165	42640	8.90	ng	# 31
56) 2,4-Dinitrotoluene	9.77	165	42642	7.25	ng	# 20
66) 4-Bromophenyl-phenylether	10.57	248	18383	2.86	ng	# 1

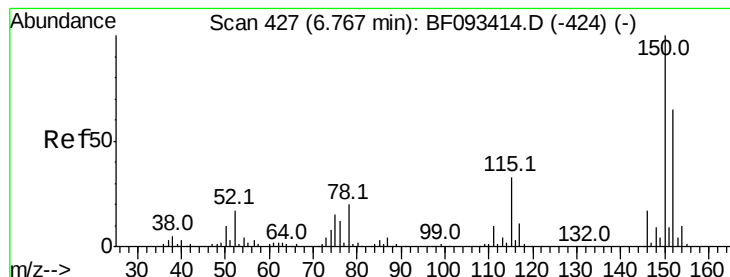
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF093533.D

Acq: 10 Mar 2017 20:23

Instrument :

BNA_F

ClientSampleId :

D-49

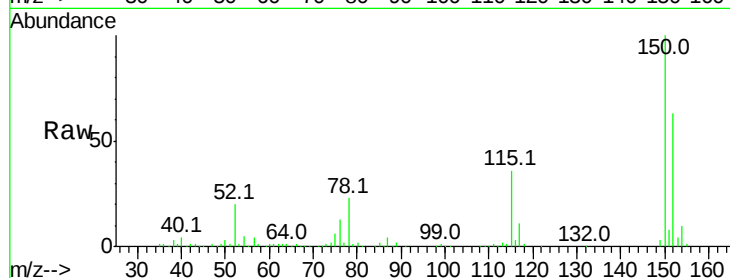
Tot Ion:152 Resp: 167763

Ion Ratio Lower Upper

152 100

150 158.5 124.9 187.3

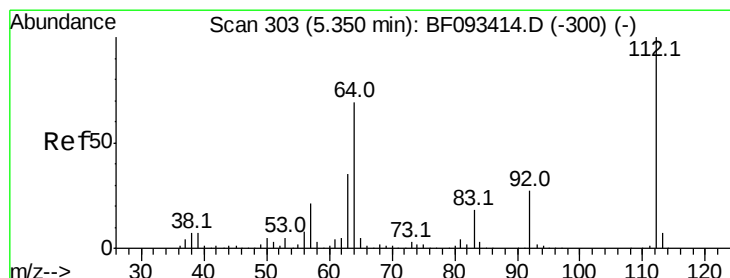
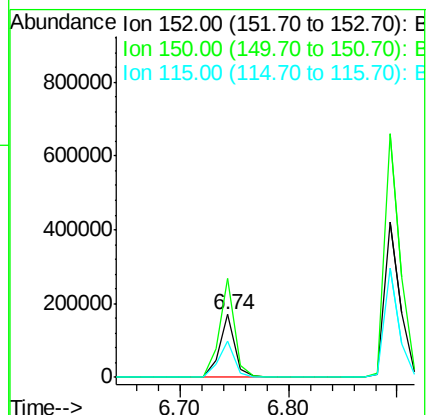
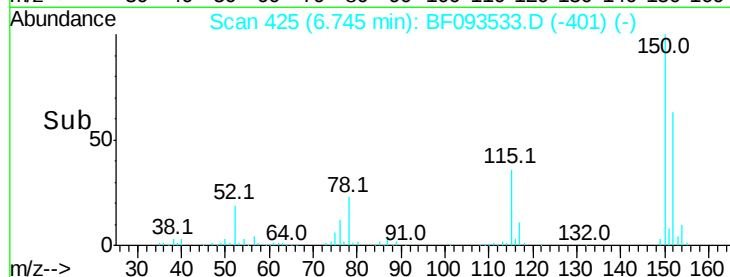
115 57.3 46.0 69.0



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: 98.08 ng

RT: 5.36 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF093533.D

Acq: 10 Mar 2017 20:23

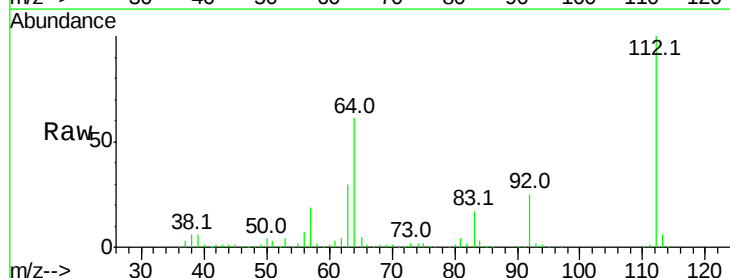
Tgt Ion:112 Resp: 988602

Ion Ratio Lower Upper

112 100

64 60.9 46.1 69.1

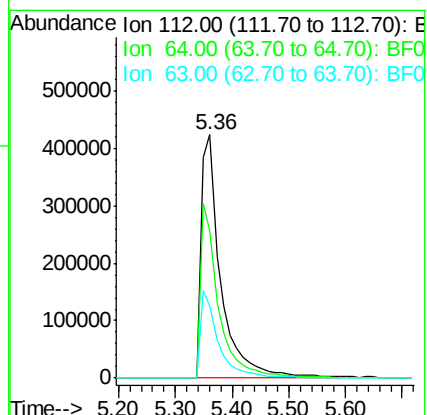
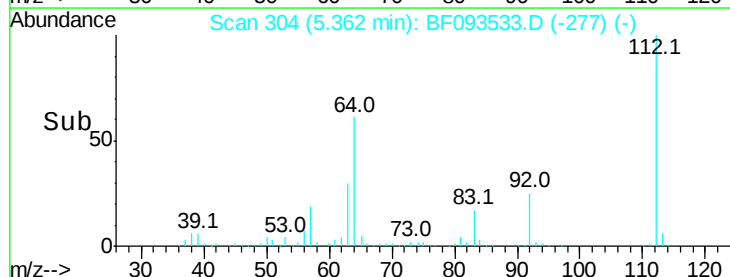
63 29.9 23.8 35.6

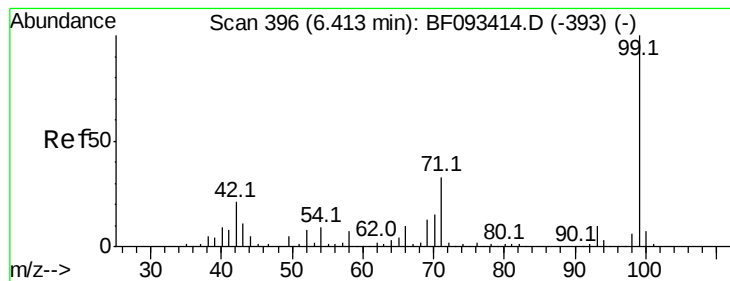


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 93.62 ng

RT: 6.41 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF093533.D

Acq: 10 Mar 2017 20:23

Instrument :

BNA_F

ClientSampled :

D-49

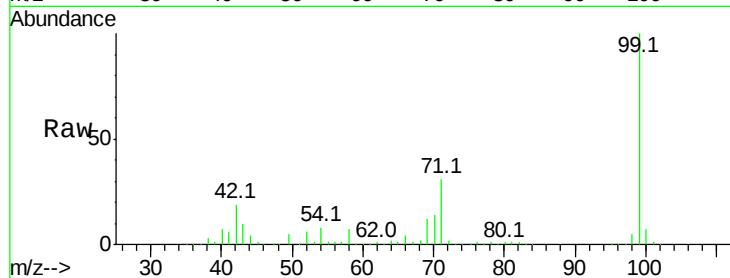
Tot Ion: 99 Resp: 1190010

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

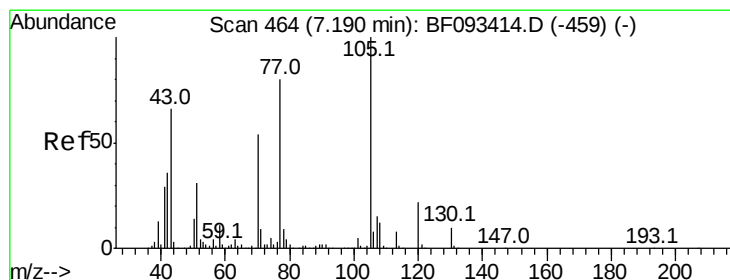
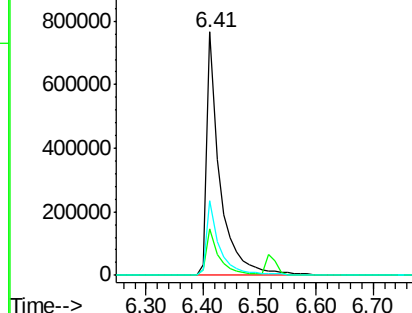
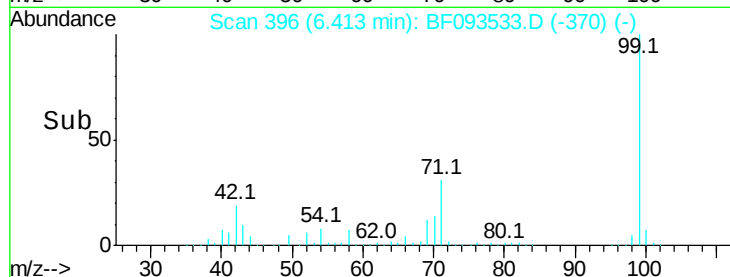
71 30.7 27.5 41.3



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: 12.15 ng

RT: 7.32 min Scan# 475

Delta R.T. 0.13 min

Lab File: BF093533.D

Acq: 10 Mar 2017 20:23

Tgt Ion: 70 Resp: 106180

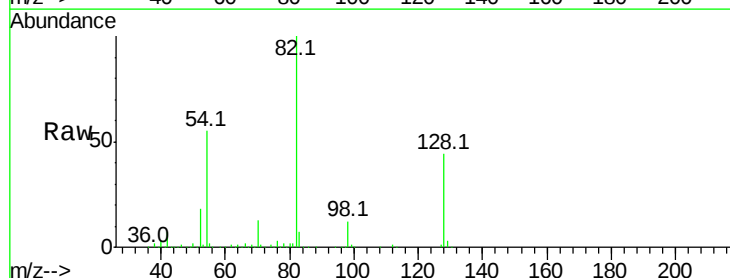
Ion Ratio Lower Upper

70 100

42 52.7 49.4 74.0

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

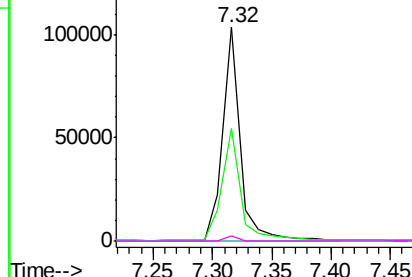
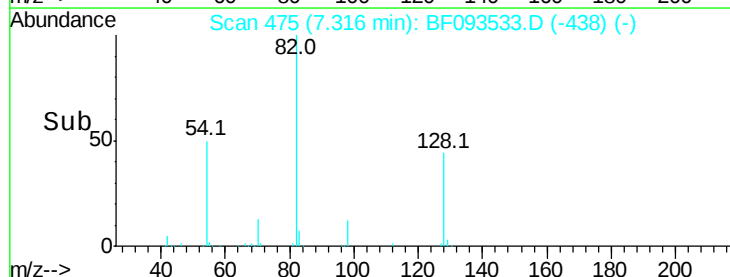


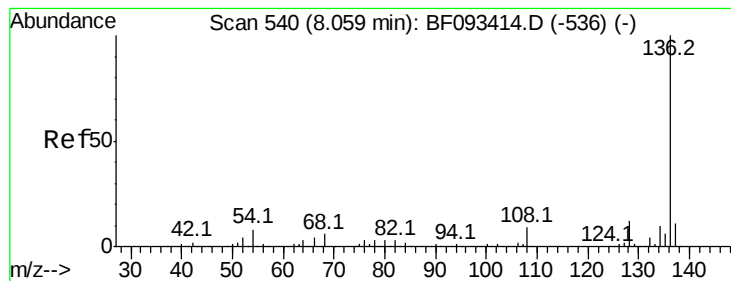
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 537

Delta R.T. -0.03 min

Lab File: BF093533.D

Acq: 10 Mar 2017 20:23

Instrument :

BNA_F

ClientSampleId :

D-49

Tot Ion:136 Resp: 685839

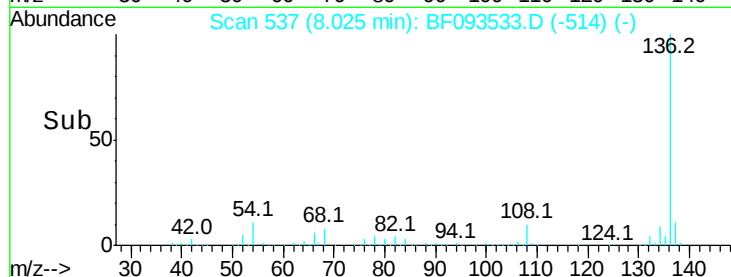
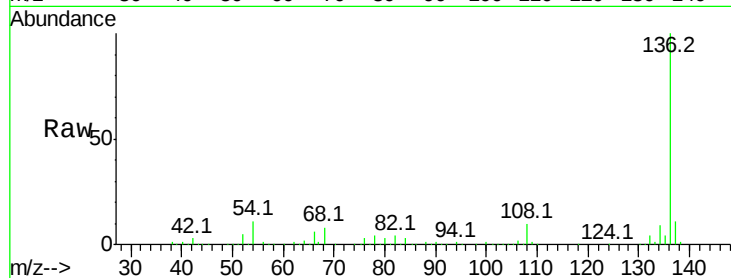
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 11.5 4.5 6.7#

68 8.2 3.6 5.4#

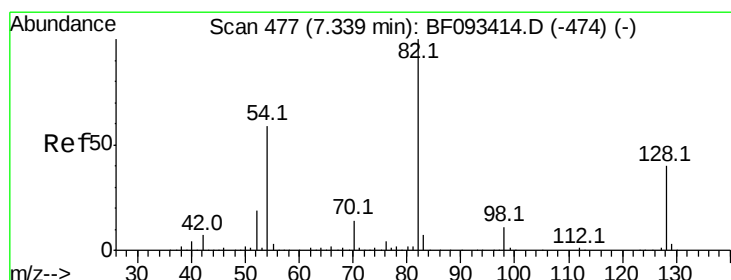
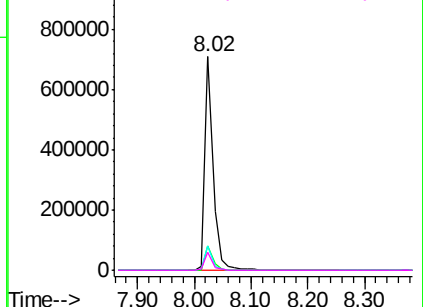


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.70 ng

RT: 7.32 min Scan# 475

Delta R.T. -0.02 min

Lab File: BF093533.D

Acq: 10 Mar 2017 20:23

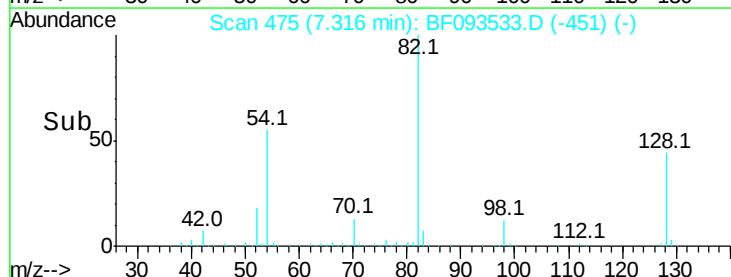
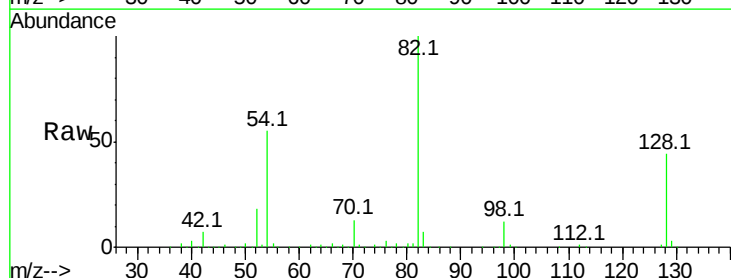
Tgt Ion: 82 Resp: 824528

Ion Ratio Lower Upper

82 100

128 43.5 34.6 52.0

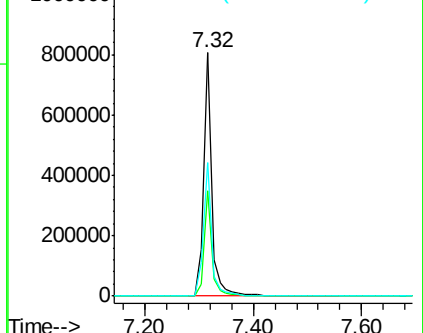
54 55.0 39.5 59.3

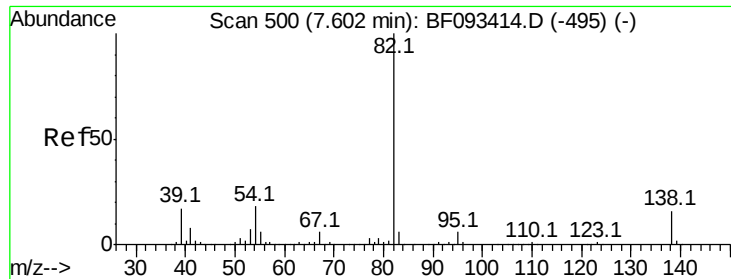


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.15 ng

RT: 7.32 min Scan# 475

Delta R.T. -0.29 min

Lab File: BF093533.D

Acq: 10 Mar 2017 20:23

Instrument :

BNA_F

ClientSampleId :

D-49

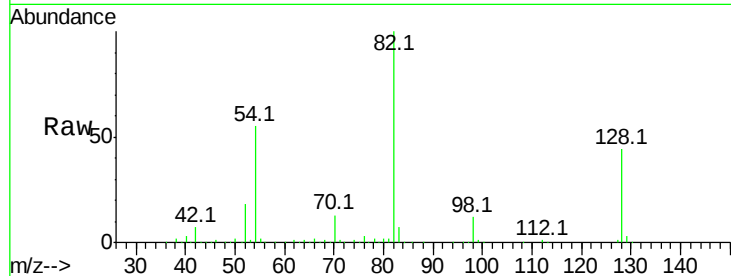
Tot Ion: 82 Resp: 826252

Ion Ratio Lower Upper

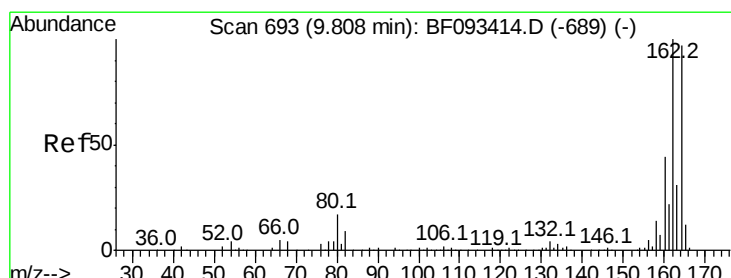
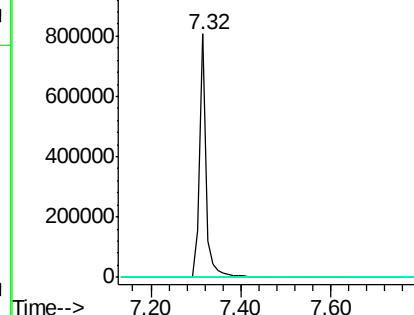
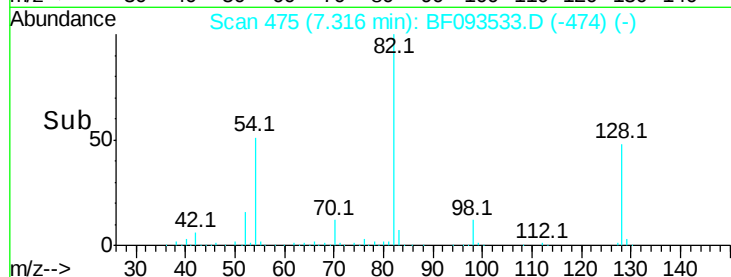
82 100

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: 9.77 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF093533.D

Acq: 10 Mar 2017 20:23

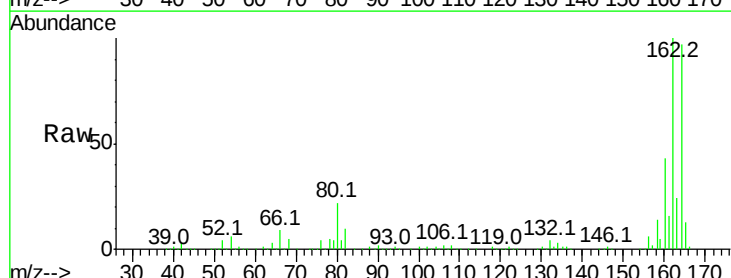
Tgt Ion: 164 Resp: 329286

Ion Ratio Lower Upper

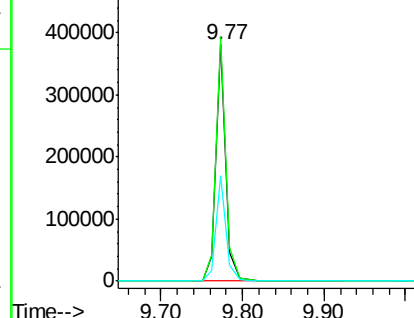
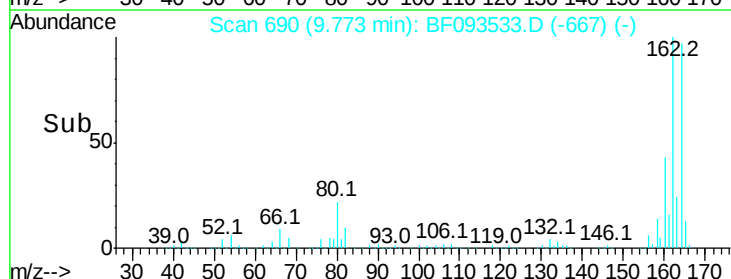
164 100

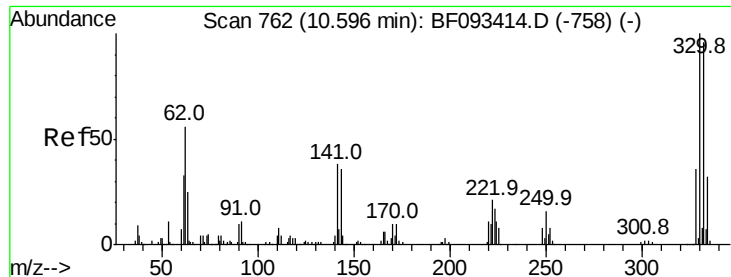
162 102.7 80.2 120.2

160 44.6 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

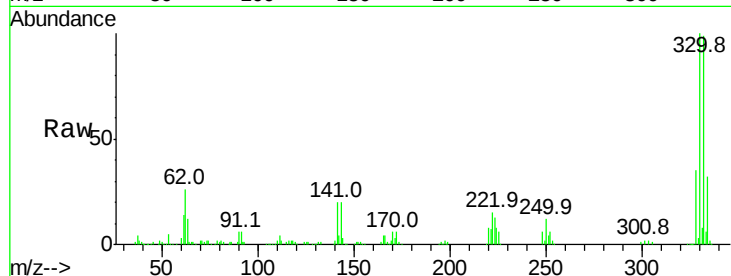




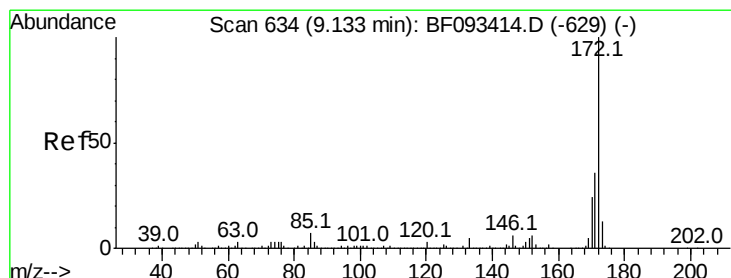
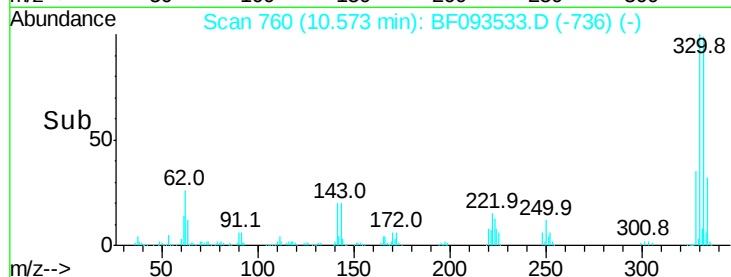
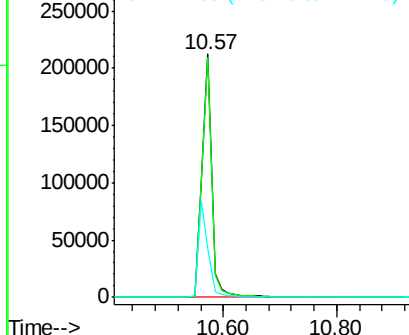
#41
 2,4,6-Tribromophenol
 Concen: 114.07 ng
 RT: 10.57 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: BF093533.D
 Acq: 10 Mar 2017 20:23

Instrument :
 BNA_F
 ClientSampleId :
 D-49

Tot Ion:330 Resp: 244714
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.4 116.2
 141 40.0 34.1 51.1

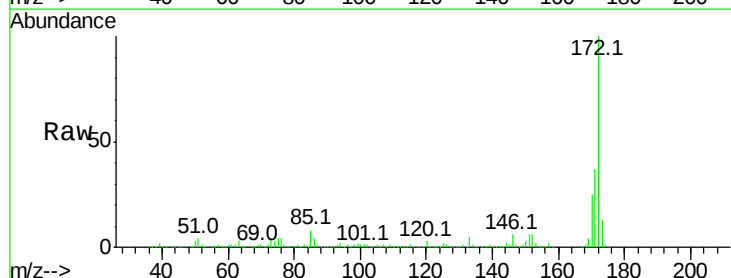


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

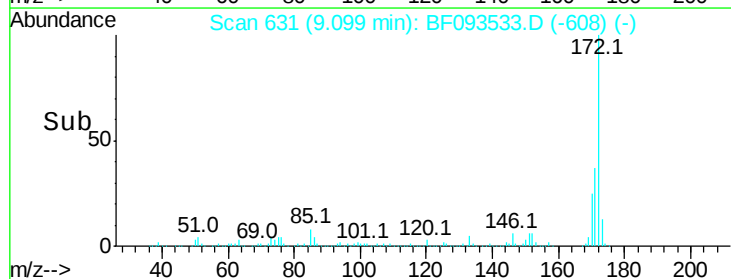
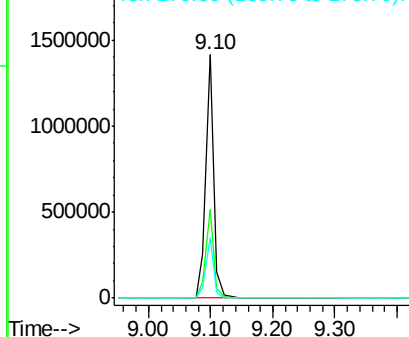


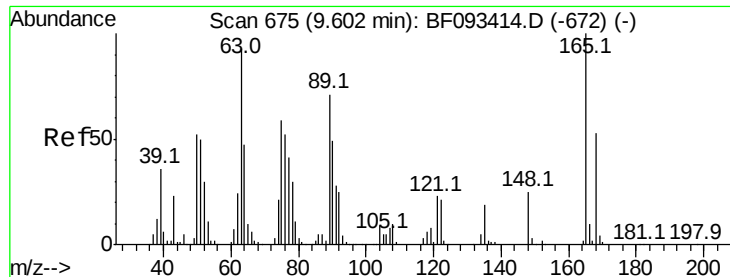
#44
 2-Fluorobiphenyl
 Concen: 72.52 ng
 RT: 9.10 min Scan# 631
 Delta R.T. -0.03 min
 Lab File: BF093533.D
 Acq: 10 Mar 2017 20:23

Tgt Ion:172 Resp: 1283846
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 24.6 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

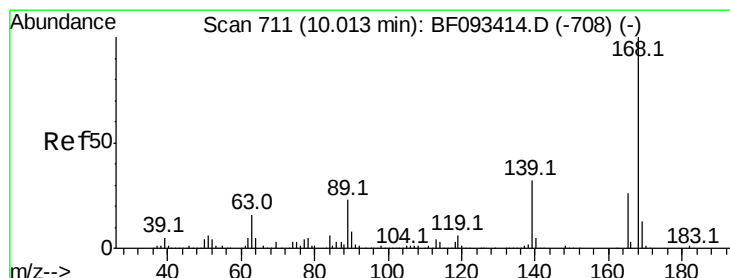
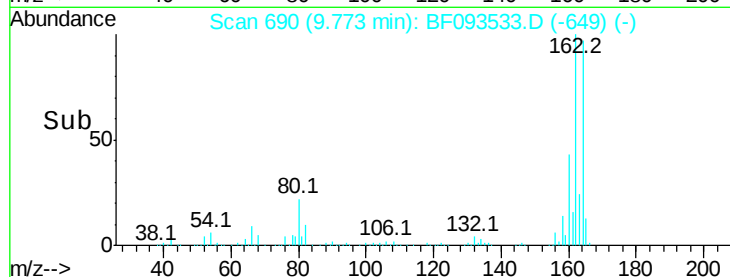
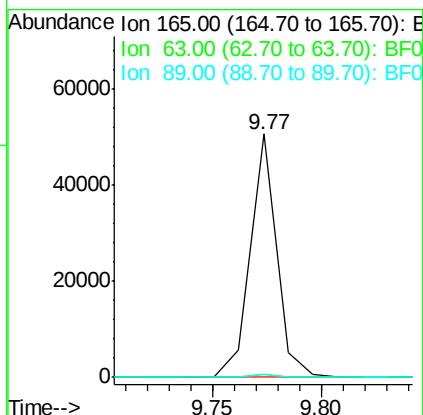
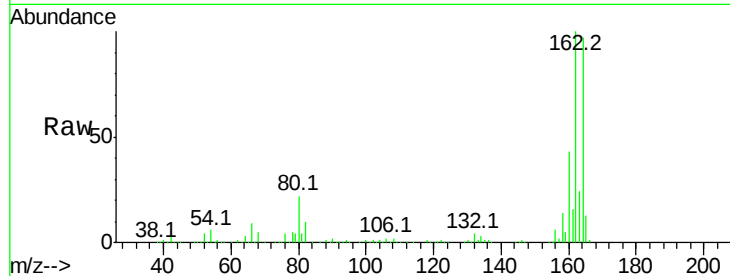




#50
2,6-Dinitrotoluene
Concen: 8.90 ng
RT: 9.77 min Scan# 690
Delta R.T. 0.17 min
Lab File: BF093533.D
Acq: 10 Mar 2017 20:23

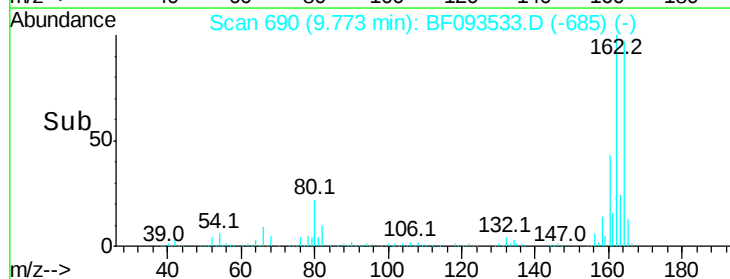
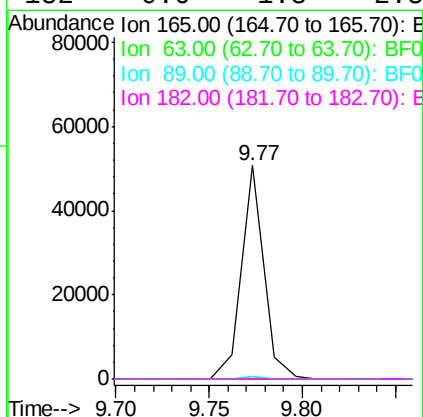
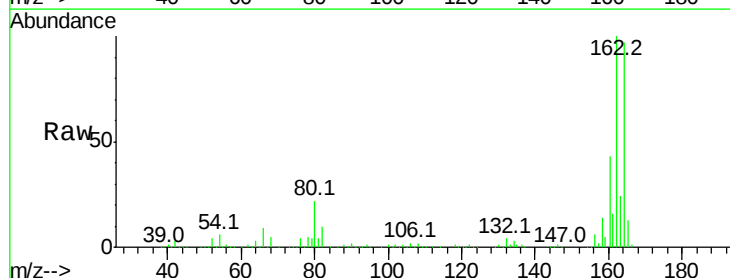
Instrument :
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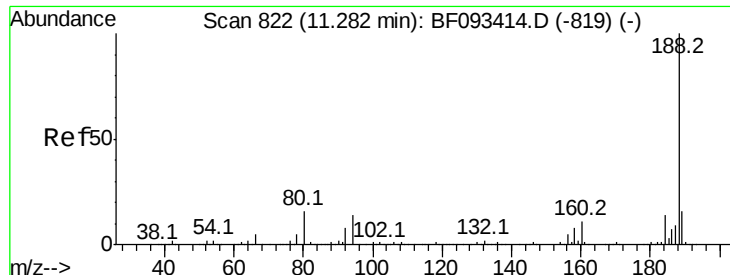
Tot Ion:165 Resp: 42640
Ion Ratio Lower Upper
165 100
63 1.4 36.2 54.4#
89 1.1 40.2 60.4#



#56
2,4-Dinitrotoluene
Concen: 7.25 ng
RT: 9.77 min Scan# 690
Delta R.T. -0.24 min
Lab File: BF093533.D
Acq: 10 Mar 2017 20:23

Tgt Ion:165 Resp: 42642
Ion Ratio Lower Upper
165 100
63 1.4 40.2 60.4#
89 1.1 62.5 93.7#
182 0.0 1.8 2.8#

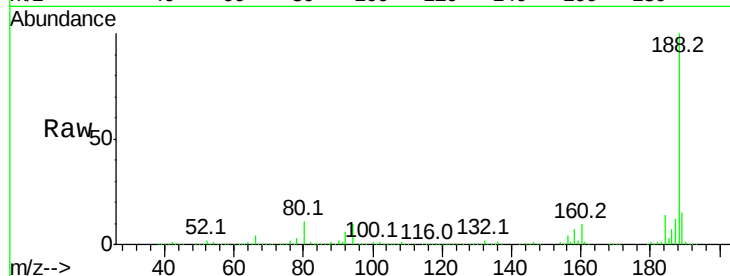




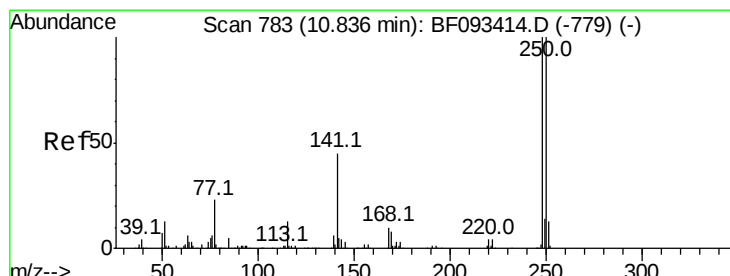
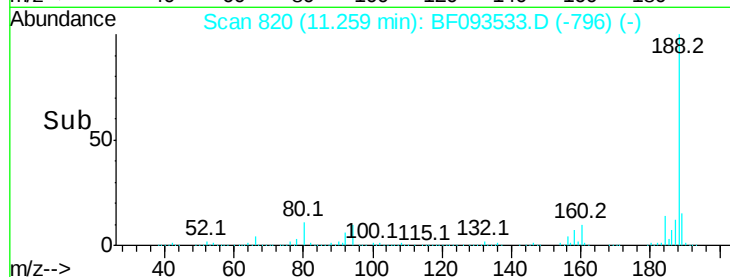
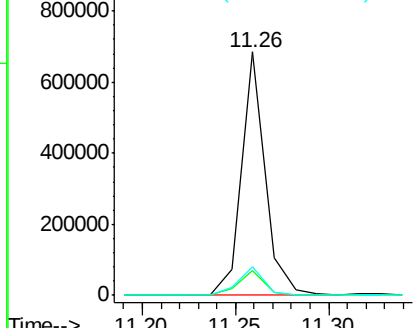
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 820
 Delta R.T. -0.02 min
 Lab File: BF093533.D
 Acq: 10 Mar 2017 20:23

Instrument :
 BNA_F
 ClientSampleId :
 D-49

Tot Ion:188 Resp: 608756
 Ion Ratio Lower Upper
 188 100
 94 10.3 10.0 15.0
 80 11.5 11.2 16.8

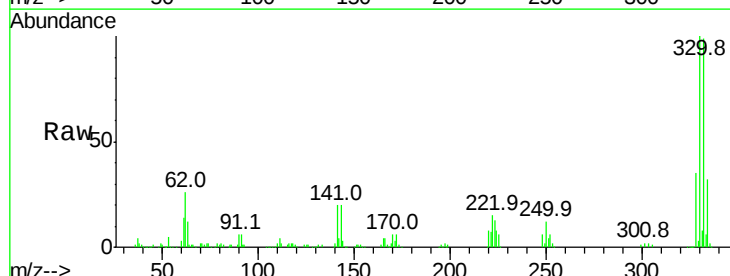


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

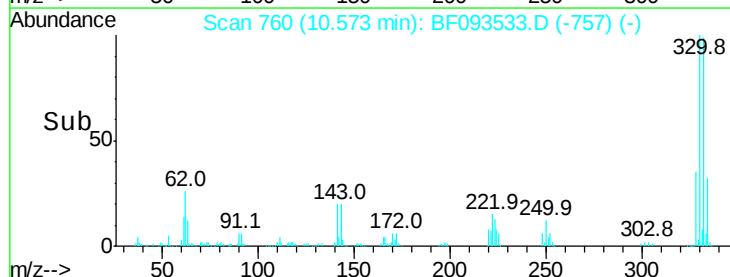
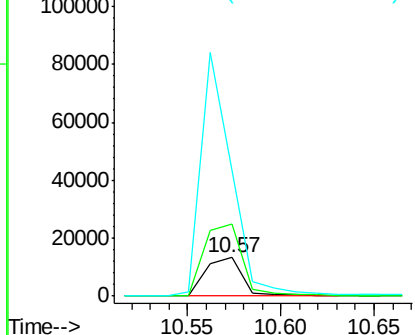


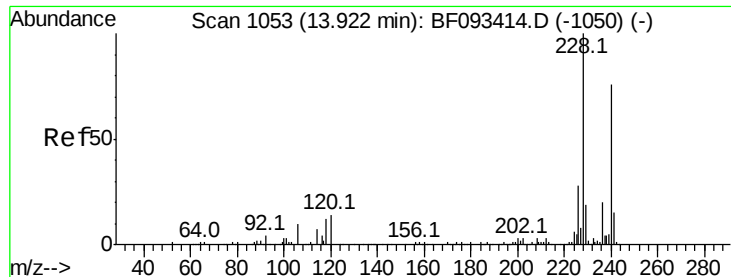
#66
 4-Bromophenyl-phenylether
 Concen: 2.86 ng
 RT: 10.57 min Scan# 760
 Delta R.T. -0.26 min
 Lab File: BF093533.D
 Acq: 10 Mar 2017 20:23

Tgt Ion:248 Resp: 18383
 Ion Ratio Lower Upper
 248 100
 250 188.7 76.9 115.3#
 141 327.6 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: BF093533.D

Acq: 10 Mar 2017 20:23

Instrument :

BNA_F

ClientSampleId :

D-49

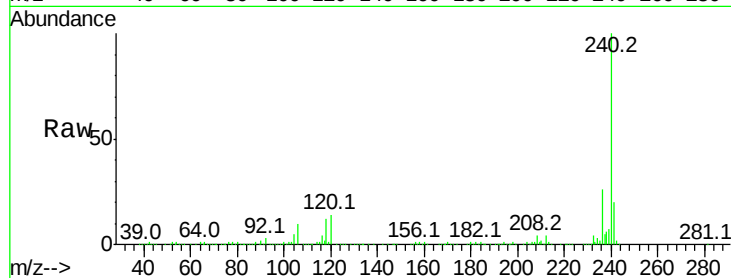
Tot Ion:240 Resp: 550566

Ion Ratio Lower Upper

240 100

120 13.8 12.9 19.3

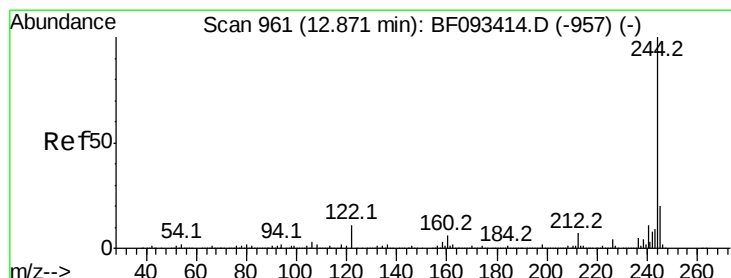
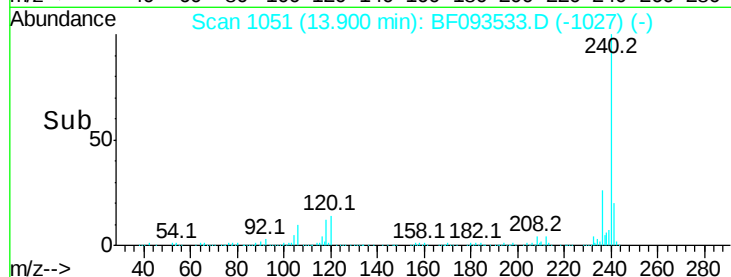
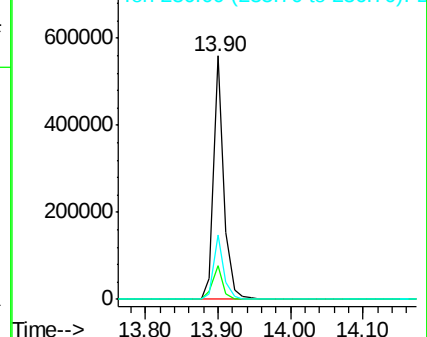
236 26.4 20.9 31.3



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: 65.93 ng

RT: 12.85 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF093533.D

Acq: 10 Mar 2017 20:23

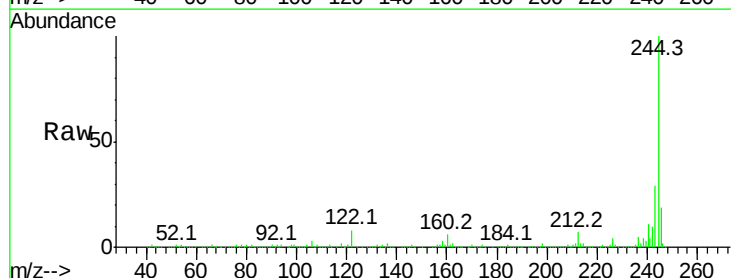
Tgt Ion:244 Resp: 1396071

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

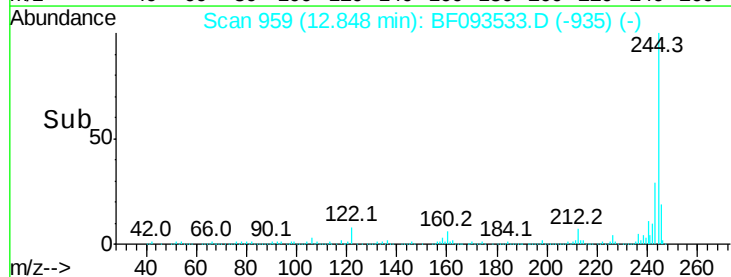
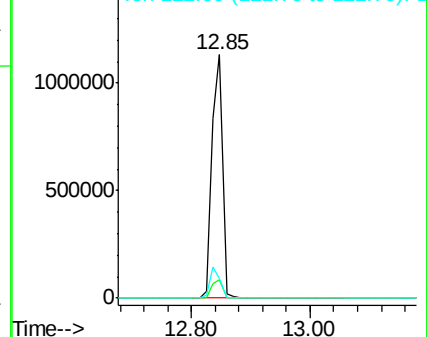
122 8.3 11.4 17.2#

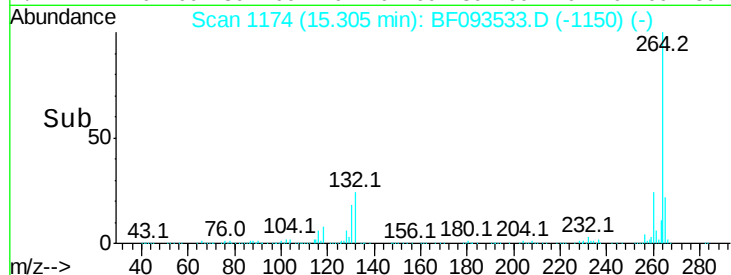
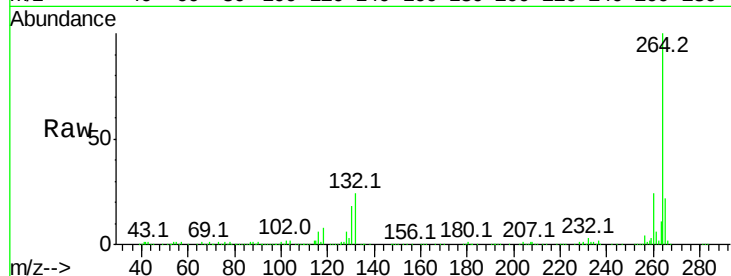
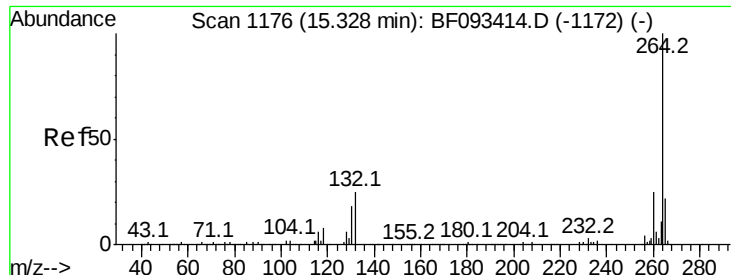


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.31 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: BF093533.D
 Acq: 10 Mar 2017 20:23

Instrument :
 BNA_F
 ClientSampleId :
 D-49

Tot Ion:	264	Resp:	399977
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	22.3	17.4	26.0

