

Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\
 Data File : BF093570.D
 Acq On : 11 Mar 2017 16:37
 Operator : SJ/MA
 Sample : I2159-01RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 15:42:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

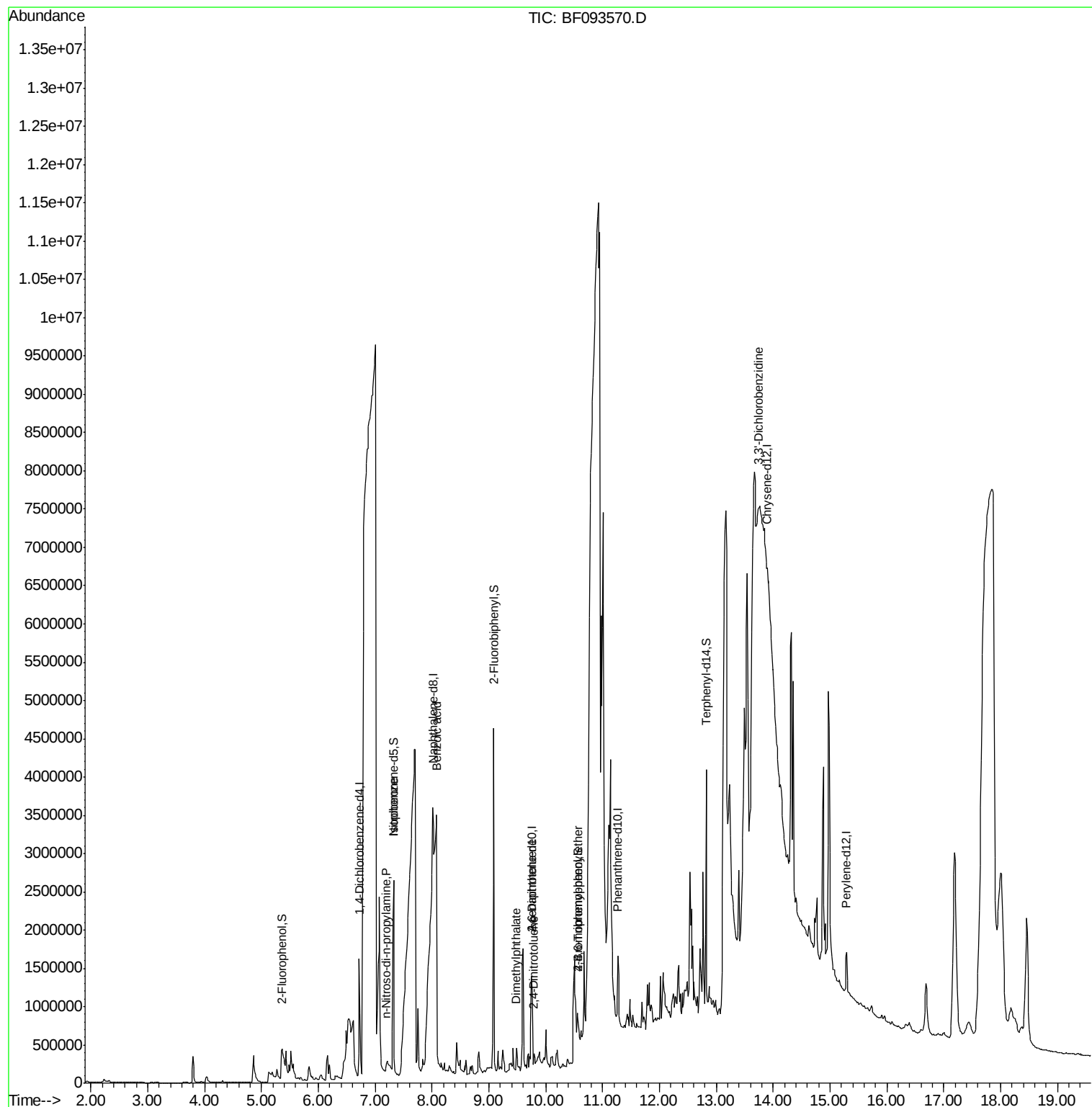
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	185536	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	639280	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	314791	20.00	ng	-0.01
63) Phenanthrene-d10	11.27	188	500213	20.00	ng	0.02
75) Chrysene-d12	13.89	240	228686	20.00	ng	0.00
86) Perylene-d12	15.29	264	345868	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	540986	48.53	ng	0.05
7) Phenol-d6	6.42	99	20418	1.45	ng	0.05
23) Nitrobenzene-d5	7.33	82	1187800	103.09	ng	0.02
41) 2,4,6-Tribromophenol	10.56	330	185591	90.49	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	1685324	99.58	ng	0.00
78) Terphenyl-d14	12.83	244	1046993	119.03	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	21533	2.23	ng	# 85
25) Isophorone	7.33	82	1187800	51.12	ng	# 65
32) Benzoic acid	8.08	122	3786314	758.14	ng	97
49) Dimethylphthalate	9.49	163	116073	5.56	ng	99
50) 2,6-Dinitrotoluene	9.75	165	65733	14.35	ng	# 38
56) 2,4-Dinitrotoluene	9.80	165	14751	2.62	ng	# 53
66) 4-Bromophenyl-phenylether	10.56	248	15620	2.95	ng	# 1
81) 3,3'-Dichlorobenzidine	13.74	252	63131	13.35	ng	# 1

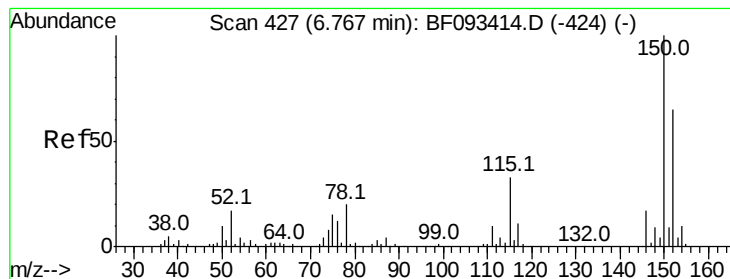
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 13 15:05:08 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF093570.D

Acq: 11 Mar 2017 16:37

Instrument :

BNA_F

ClientSampleId :

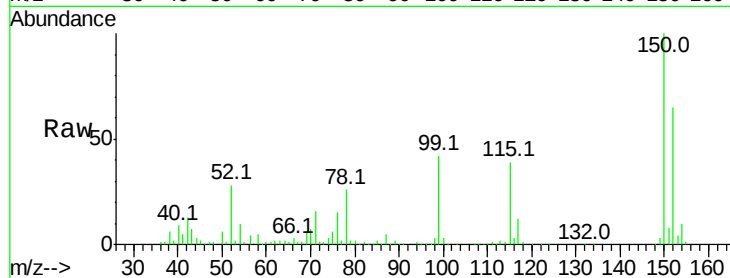
Tot Ion:152 Resp: 185536

Ion Ratio Lower Upper

152 100

150 153.2 124.9 187.3

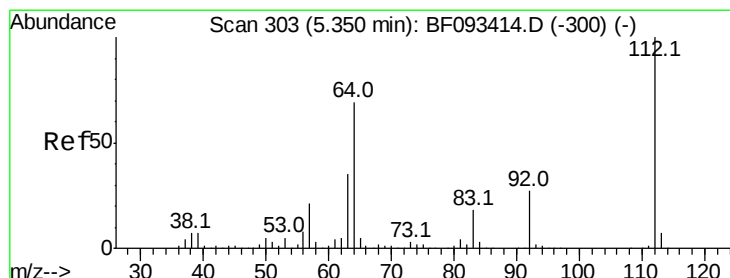
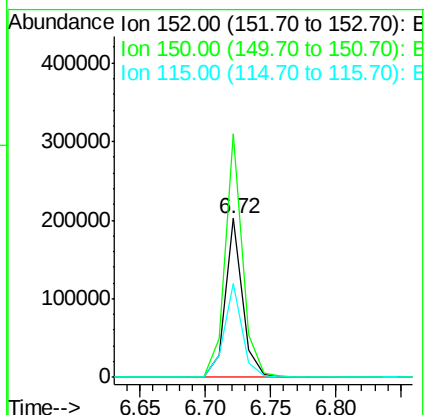
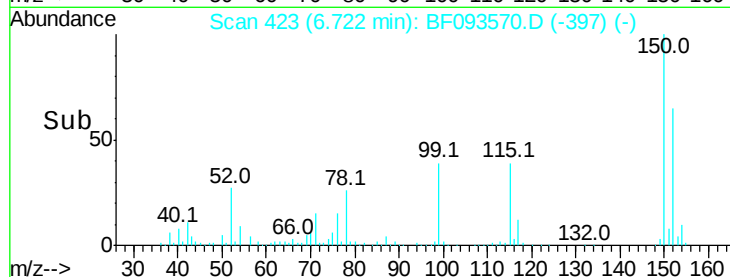
115 59.2 46.0 69.0



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: 48.53 ng

RT: 5.36 min Scan# 304

Delta R.T. 0.05 min

Lab File: BF093570.D

Acq: 11 Mar 2017 16:37

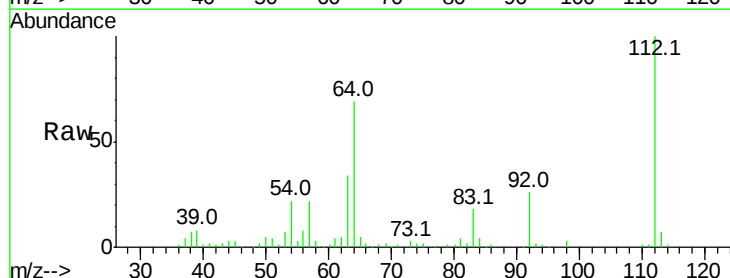
Tgt Ion:112 Resp: 540986

Ion Ratio Lower Upper

112 100

64 69.1 46.1 69.1

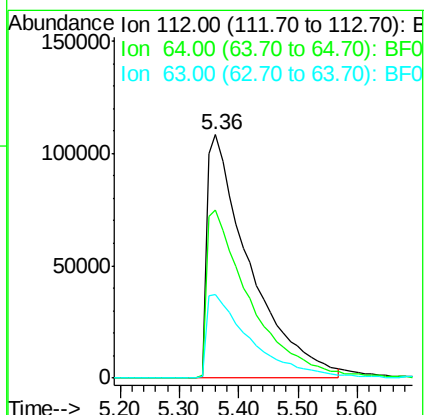
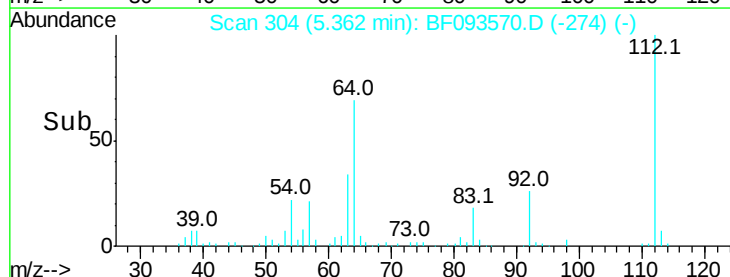
63 34.4 23.8 35.6

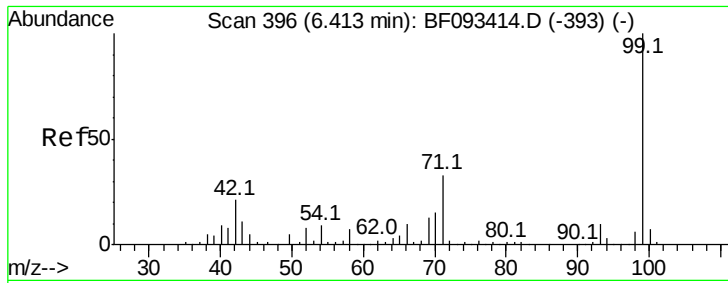


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.45 ng

RT: 6.42 min Scan# 397

Delta R.T. 0.05 min

Lab File: BF093570.D

Acq: 11 Mar 2017 16:37

Instrument :

BNA_F

ClientSampled :

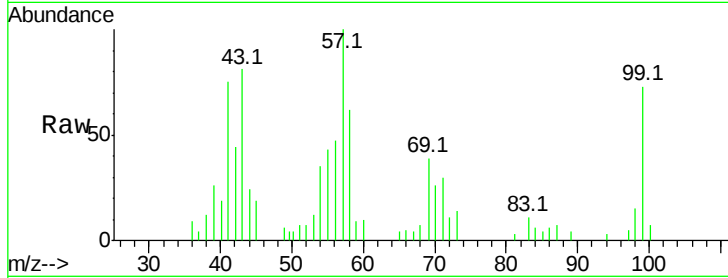
Tot Ion: 99 Resp: 20418

Ion Ratio Lower Upper

99 100

42 60.4 15.6 23.4#

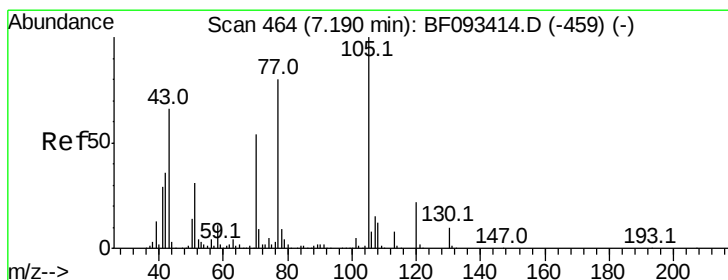
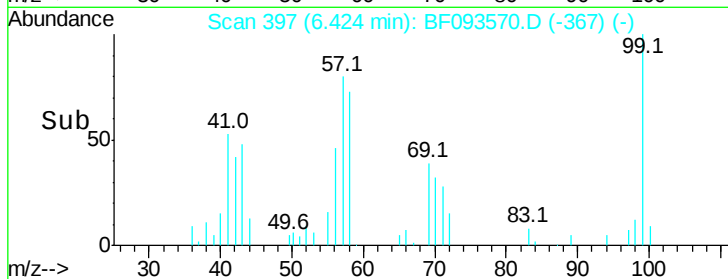
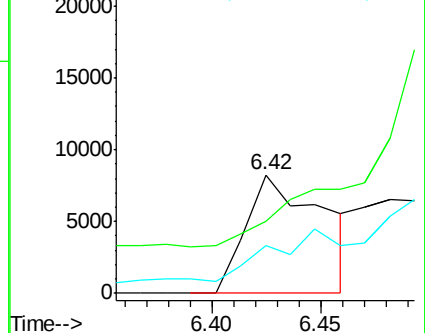
71 40.4 27.5 41.3



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: 2.23 ng

RT: 7.20 min Scan# 465

Delta R.T. 0.06 min

Lab File: BF093570.D

Acq: 11 Mar 2017 16:37

Tgt Ion: 70 Resp: 21533

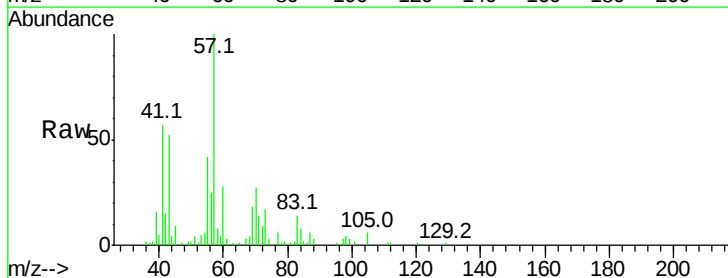
Ion Ratio Lower Upper

70 100

42 55.1 49.4 74.0

101 7.4 7.4 11.2#

130 0.0 14.2 21.4#

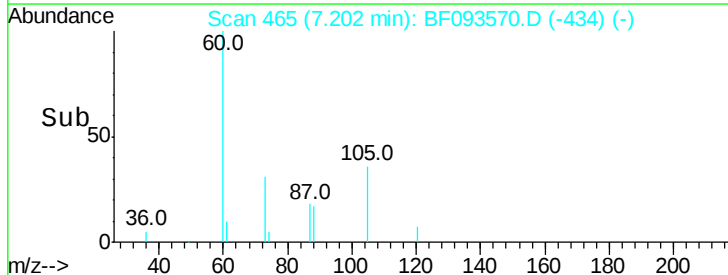
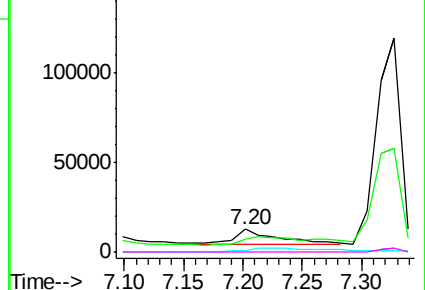


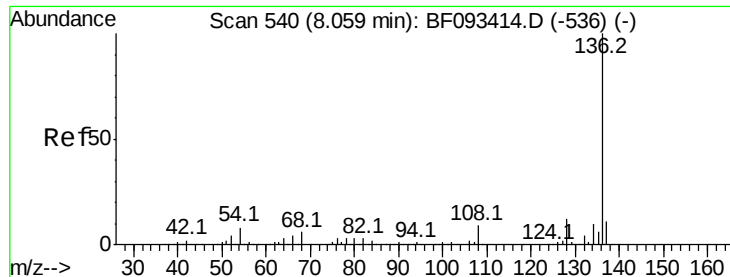
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.01 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF093570.D

Acq: 11 Mar 2017 16:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 639280

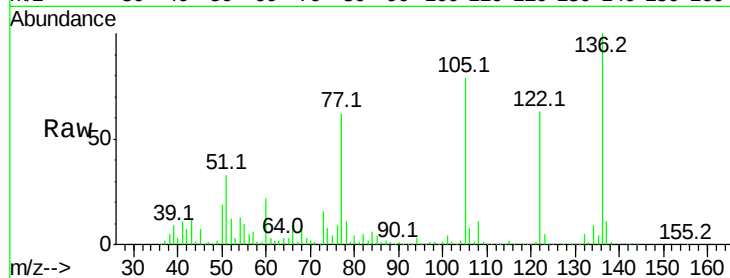
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 13.2 4.5 6.7#

68 9.1 3.6 5.4#

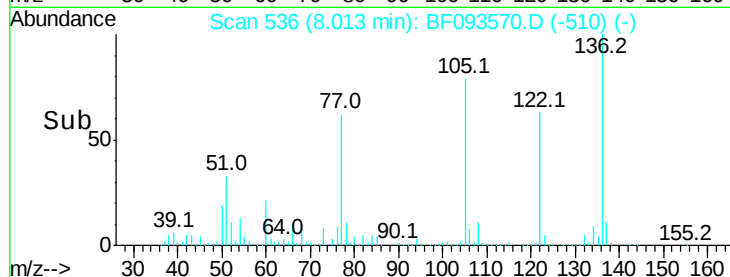


Abundance Ion 136.00 (135.70 to 136.70): E

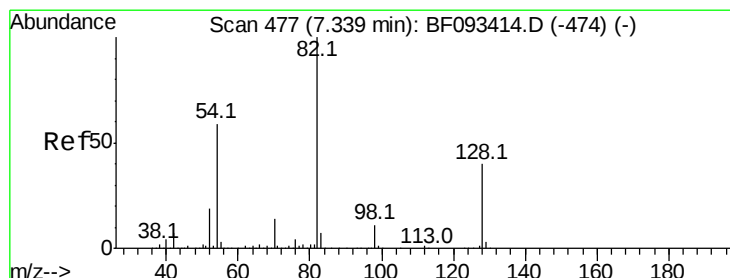
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 103.09 ng

RT: 7.33 min Scan# 476

Delta R.T. 0.02 min

Lab File: BF093570.D

Acq: 11 Mar 2017 16:37

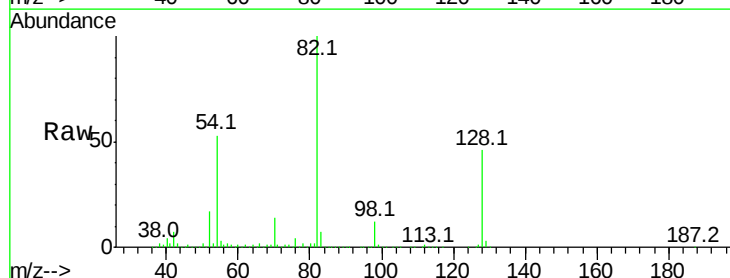
Tgt Ion: 82 Resp: 1187800

Ion Ratio Lower Upper

82 100

128 45.5 34.6 52.0

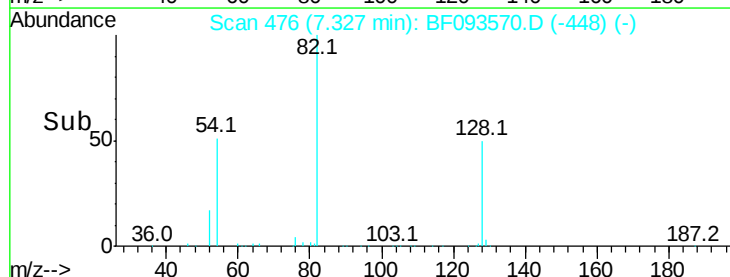
54 53.2 39.5 59.3



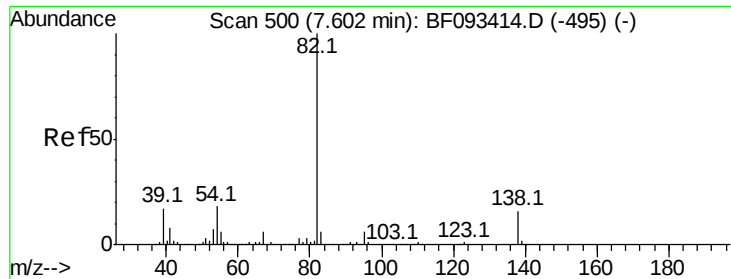
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 51.12 ng

RT: 7.33 min Scan# 476

Delta R.T. -0.23 min

Lab File: BF093570.D

Acq: 11 Mar 2017 16:37

Instrument :

BNA_F

ClientSampleId :

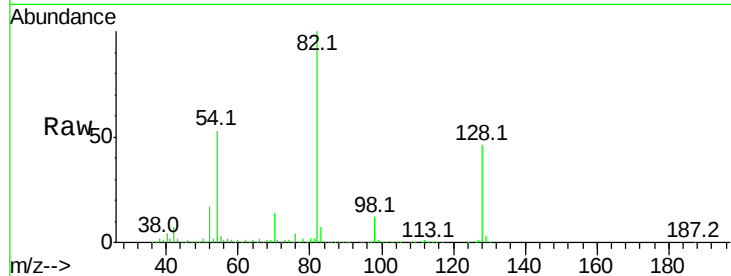
Tot Ion: 82 Resp: 1187800

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

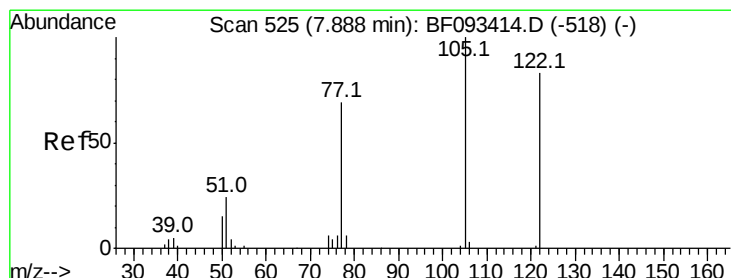
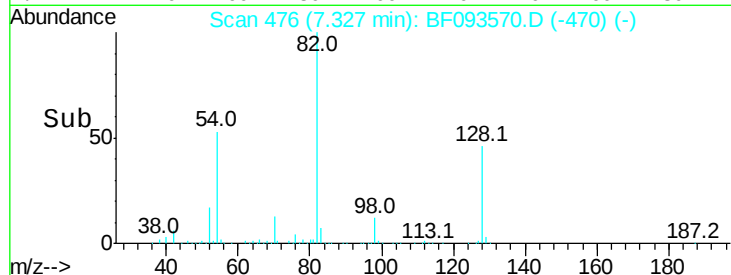
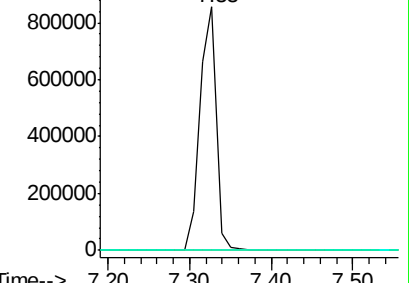
138 0.0 14.6 22.0#



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



#32

Benzoic acid

Concen: 758.14 ng

RT: 8.08 min Scan# 542

Delta R.T. 0.23 min

Lab File: BF093570.D

Acq: 11 Mar 2017 16:37

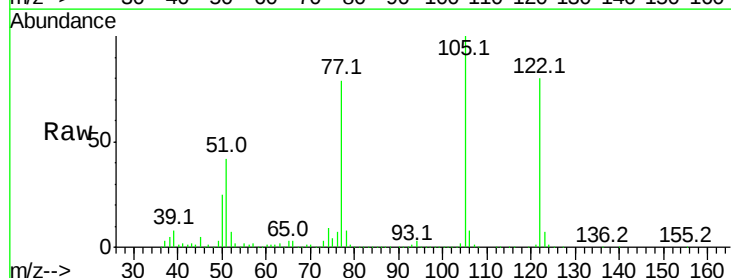
Tgt Ion:122 Resp: 3786314

Ion Ratio Lower Upper

122 100

105 124.8 107.2 147.2

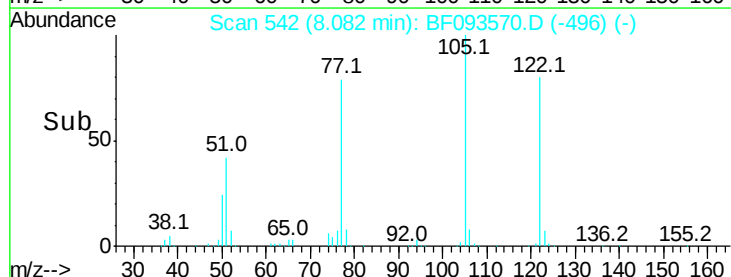
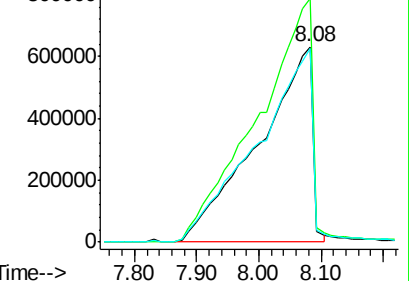
77 99.1 74.5 114.5

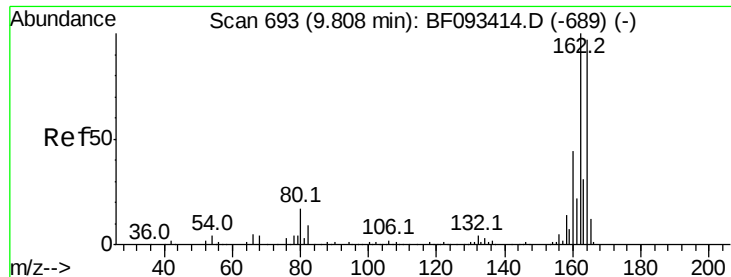


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

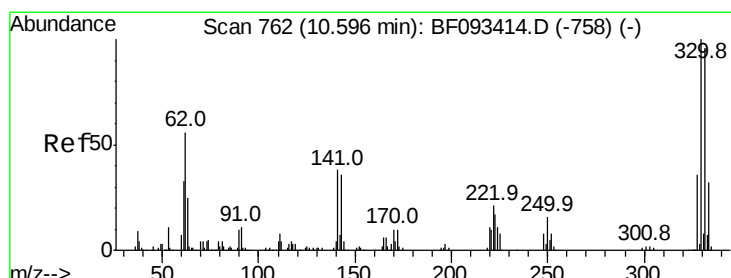
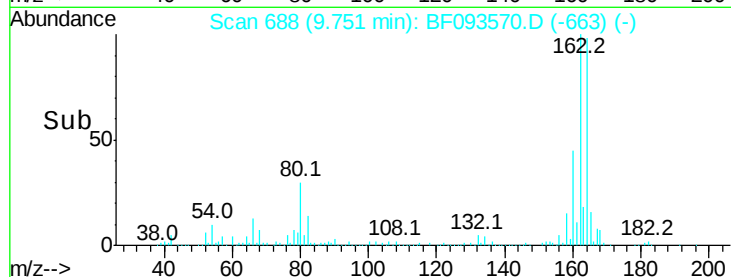
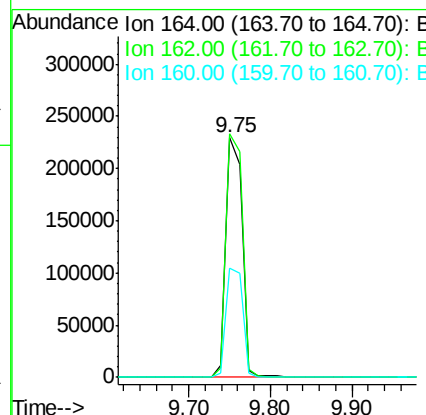
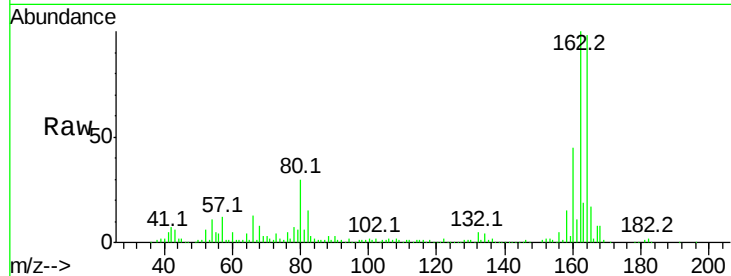




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: BF093570.D
 Acq: 11 Mar 2017 16:37

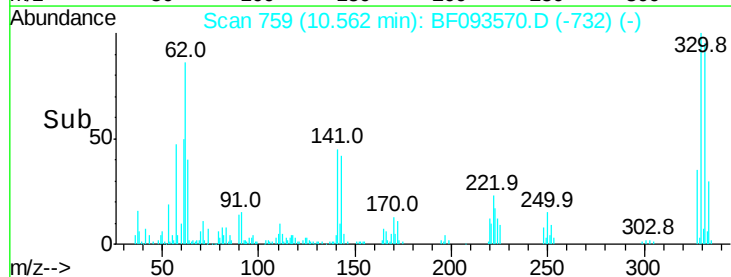
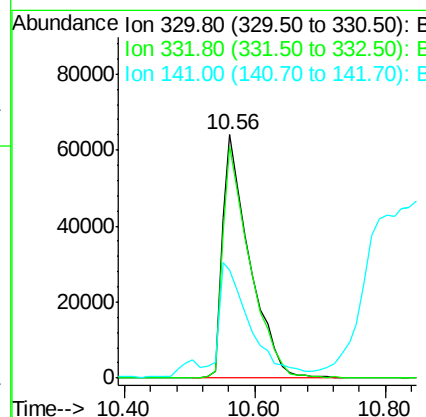
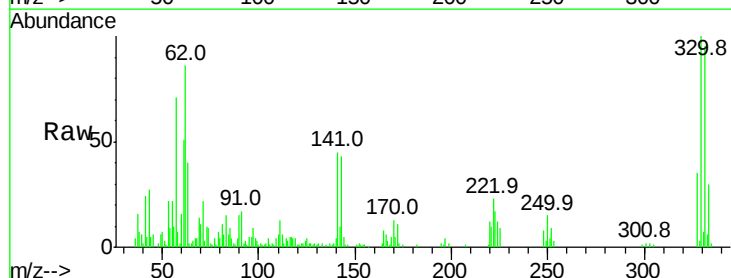
Instrument :
 BNA_F
 ClientSampleId :

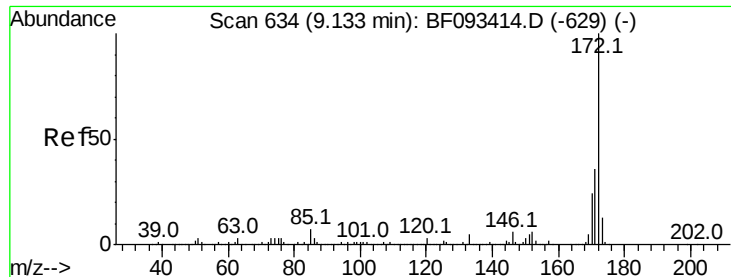
Tot Ion:164 Resp: 314791
 Ion Ratio Lower Upper
 164 100
 162 101.7 80.2 120.2
 160 45.5 36.9 55.3



#41
 2,4,6-Tribromophenol
 Concen: 90.49 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093570.D
 Acq: 11 Mar 2017 16:37

Tgt Ion:330 Resp: 185591
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.2
 141 48.5 34.1 51.1





#44

2-Fluorobiphenyl

Concen: 99.58 ng

RT: 9.09 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF093570.D

Acq: 11 Mar 2017 16:37

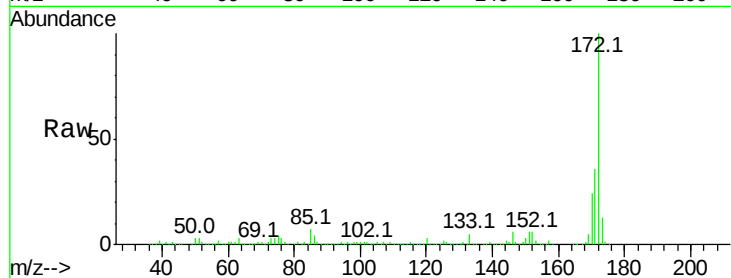
Instrument :

BNA_F

ClientSampled :

Tot Ion:172 Resp: 1685324

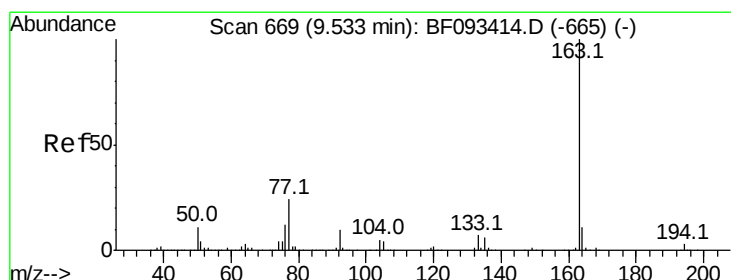
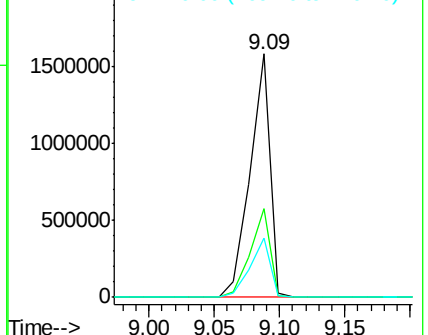
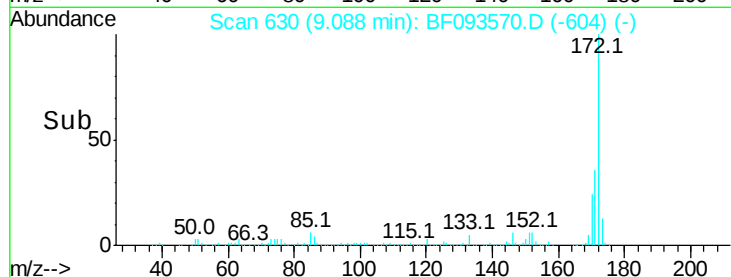
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.3	20.2	30.4



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: 5.56 ng

RT: 9.49 min Scan# 665

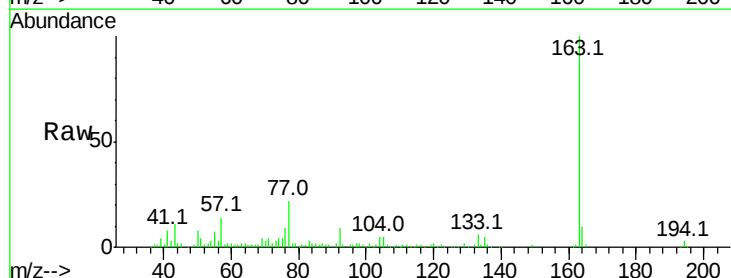
Delta R.T. -0.01 min

Lab File: BF093570.D

Acq: 11 Mar 2017 16:37

Tgt Ion:163 Resp: 116073

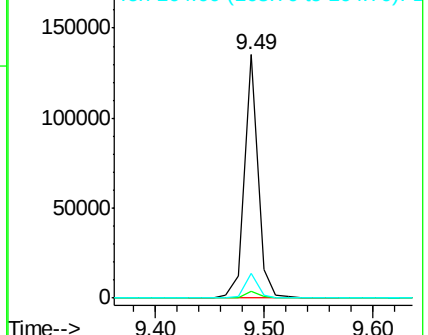
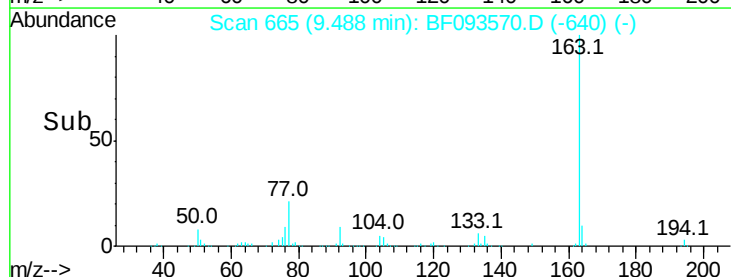
Ion	Ratio	Lower	Upper
163	100		
194	3.0	3.0	4.4
164	9.9	8.0	12.0

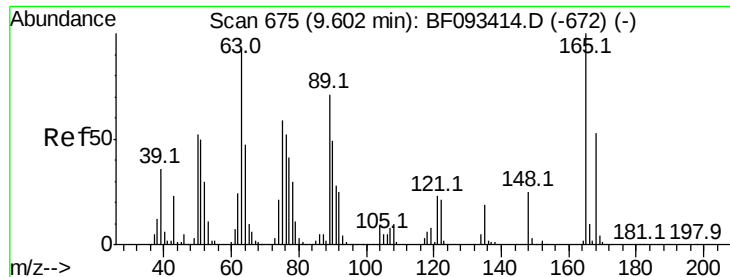


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

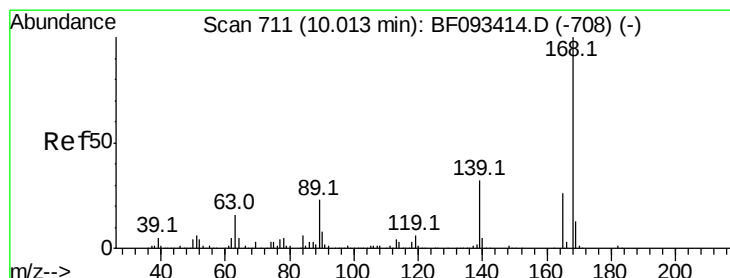
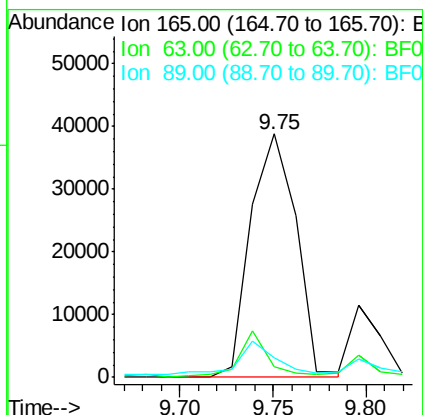
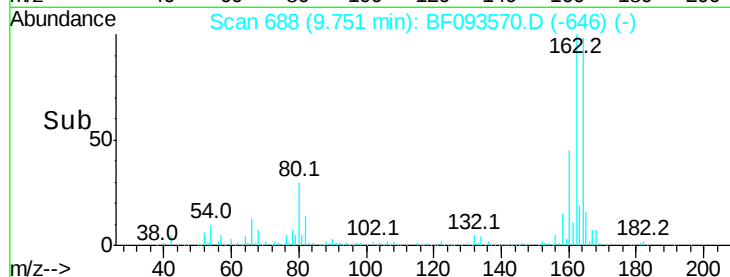
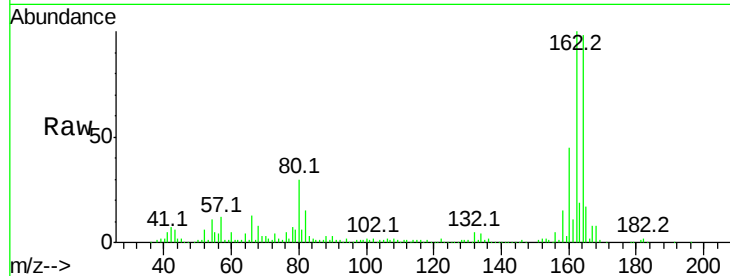




#50
 2,6-Dinitrotoluene
 Concen: 14.35 ng
 RT: 9.75 min Scan# 688
 Delta R.T. 0.18 min
 Lab File: BF093570.D
 Acq: 11 Mar 2017 16:37

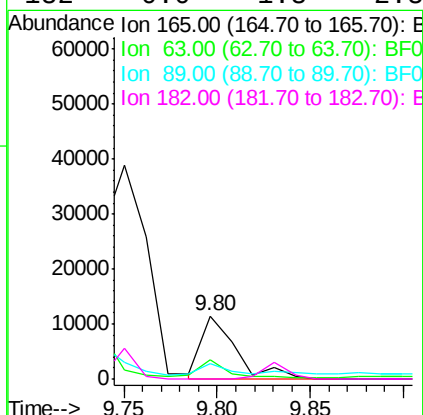
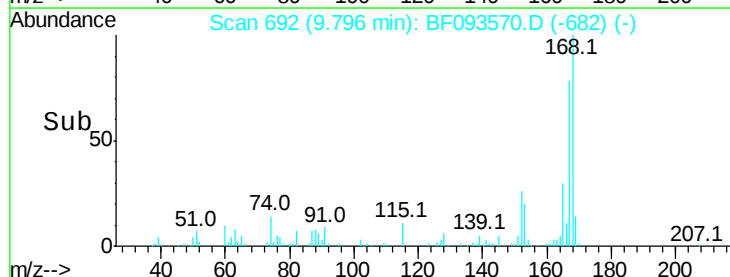
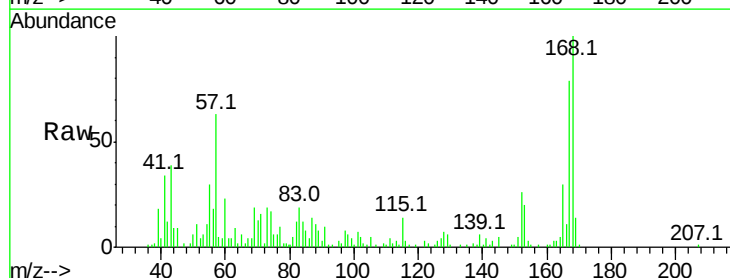
Instrument :
 BNA_F
 ClientSampled :

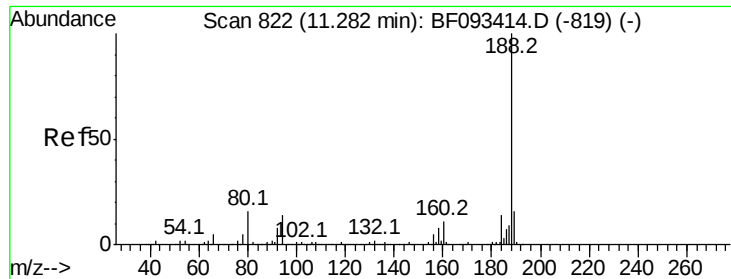
Tot Ion:165 Resp: 65733
 Ion Ratio Lower Upper
 165 100
 63 4.2 36.2 54.4#
 89 8.0 40.2 60.4#



#56
 2,4-Dinitrotoluene
 Concen: 2.62 ng
 RT: 9.80 min Scan# 692
 Delta R.T. -0.18 min
 Lab File: BF093570.D
 Acq: 11 Mar 2017 16:37

Tgt Ion:165 Resp: 14751
 Ion Ratio Lower Upper
 165 100
 63 31.3 40.2 60.4#
 89 25.1 62.5 93.7#
 182 0.0 1.8 2.8#

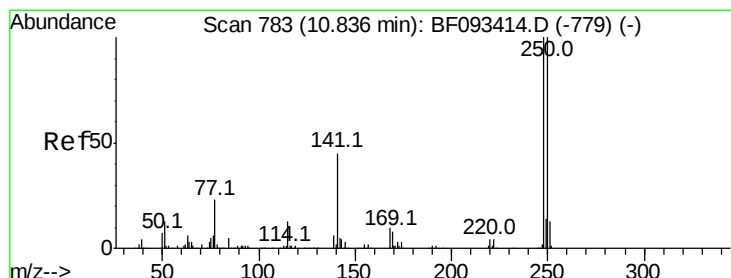
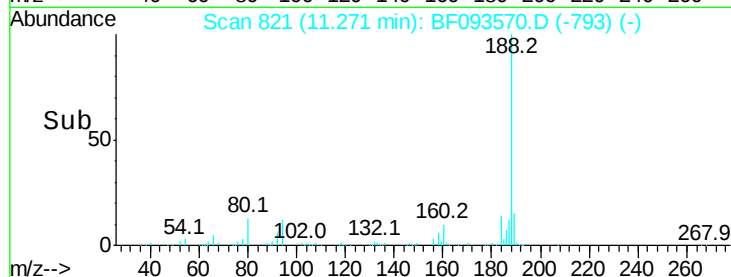
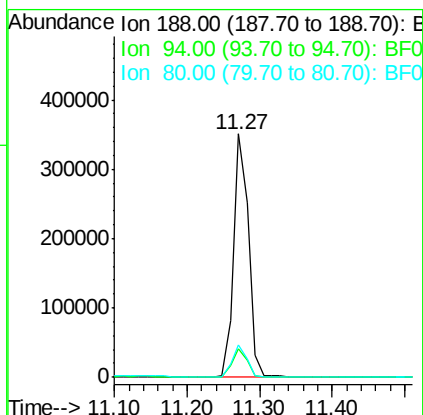
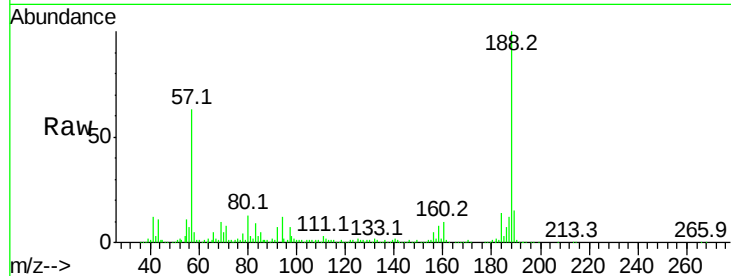




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 821
Delta R.T. 0.02 min
Lab File: BF093570.D
Acq: 11 Mar 2017 16:37

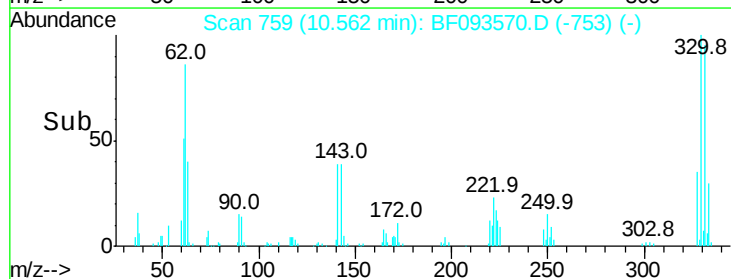
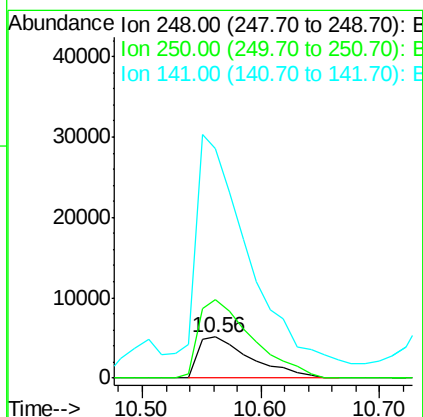
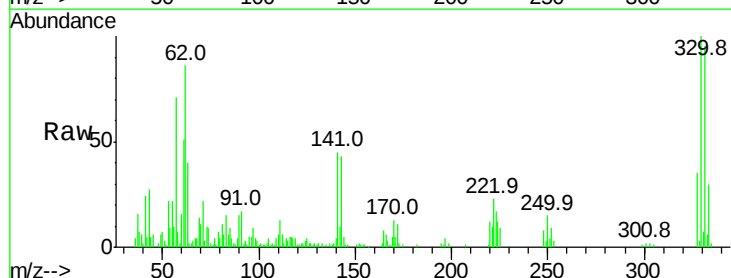
Instrument :
BNA_F
ClientSampleId :

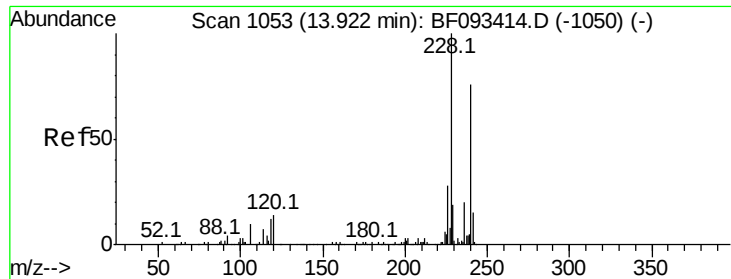
Tot Ion:188 Resp: 500213
Ion Ratio Lower Upper
188 100
94 11.7 10.0 15.0
80 13.3 11.2 16.8



#66
4-Bromophenyl-phenylether
Concen: 2.95 ng
RT: 10.56 min Scan# 759
Delta R.T. -0.23 min
Lab File: BF093570.D
Acq: 11 Mar 2017 16:37

Tgt Ion:248 Resp: 15620
Ion Ratio Lower Upper
248 100
250 192.8 76.9 115.3#
141 563.2 68.2 102.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF093570.D

Acq: 11 Mar 2017 16:37

Instrument :

BNA_F

ClientSampleId :

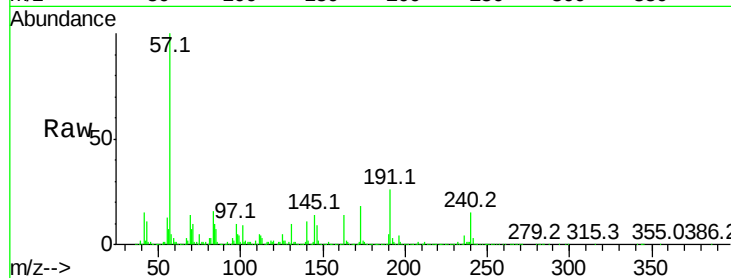
Tot Ion:240 Resp: 228686

Ion Ratio Lower Upper

240 100

120 13.1 12.9 19.3

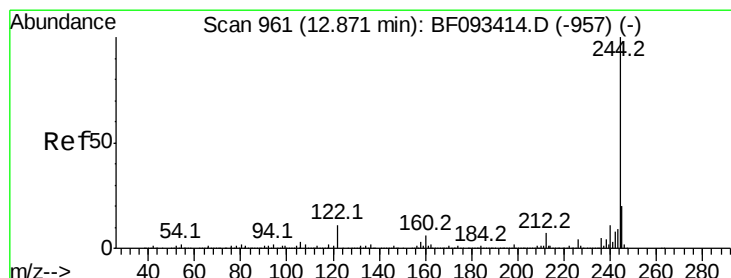
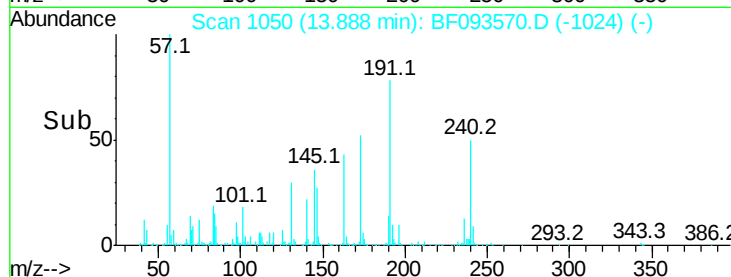
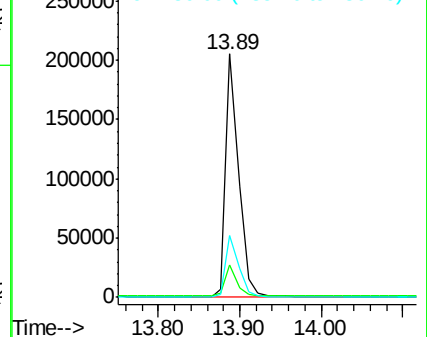
236 25.6 20.9 31.3



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: 119.03 ng

RT: 12.83 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF093570.D

Acq: 11 Mar 2017 16:37

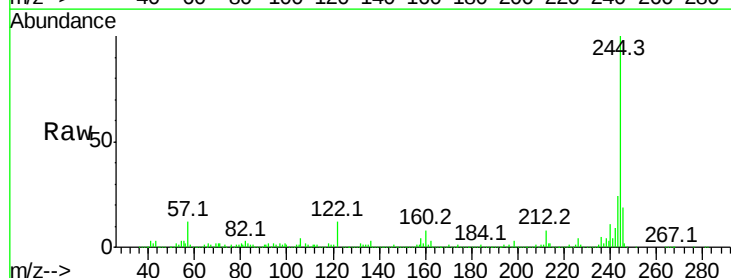
Tgt Ion:244 Resp: 1046993

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

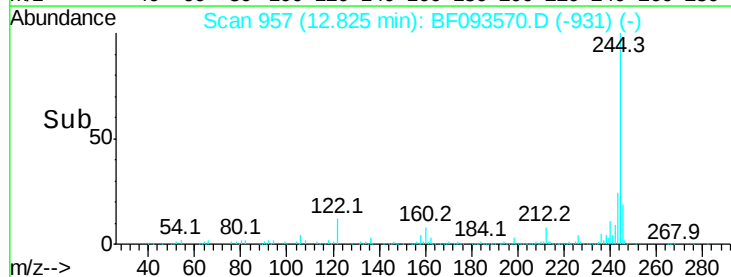
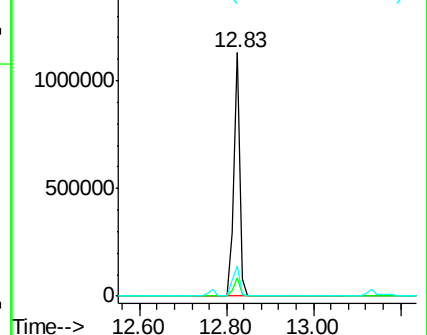
122 12.5 11.4 17.2

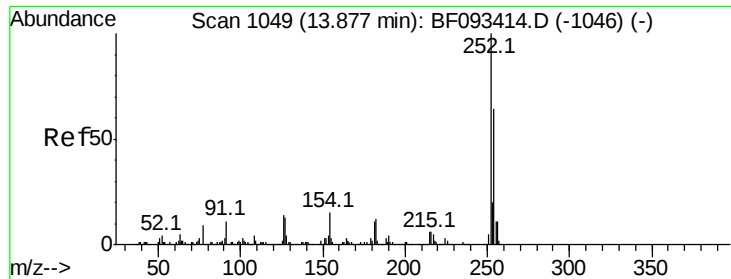


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

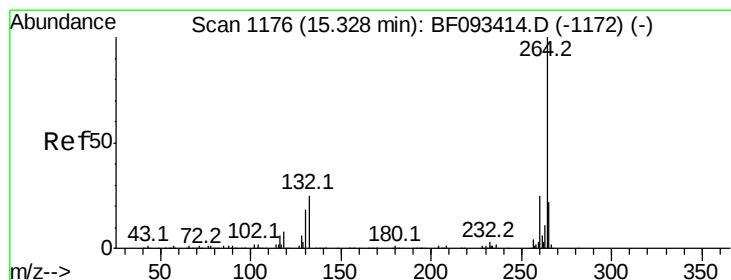
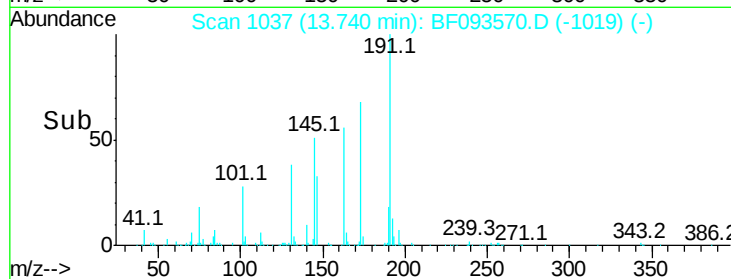
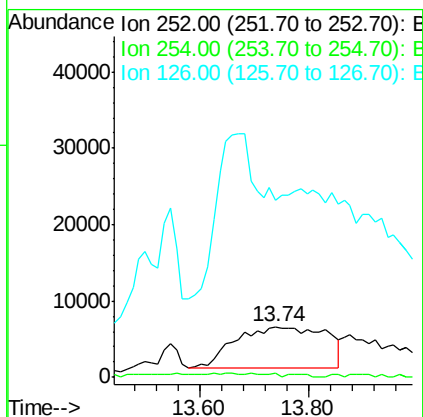
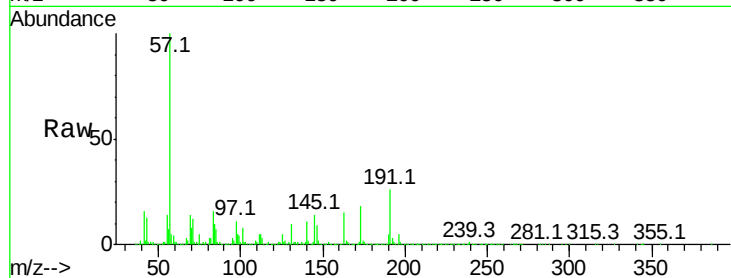




#81
 3,3'-Dichlorobenzidine
 Concen: 13.35 ng
 RT: 13.74 min Scan# 1037
 Delta R.T. -0.09 min
 Lab File: BF093570.D
 Acq: 11 Mar 2017 16:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:252 Resp: 63131
 Ion Ratio Lower Upper
 252 100
 254 7.7 52.3 78.5#
 126 348.6 13.6 20.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1173
 Delta R.T. 0.01 min
 Lab File: BF093570.D
 Acq: 11 Mar 2017 16:37

Tgt Ion:264 Resp: 345868
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.2 17.4 26.0

