

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031817\
 Data File : BF093755.D
 Acq On : 18 Mar 2017 15:49
 Operator : SJ/MA
 Sample : I2207-02
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 41D-9-11

Quant Time: Mar 20 01:08:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 18 05:21:29 2017
 Response via : Initial Calibration

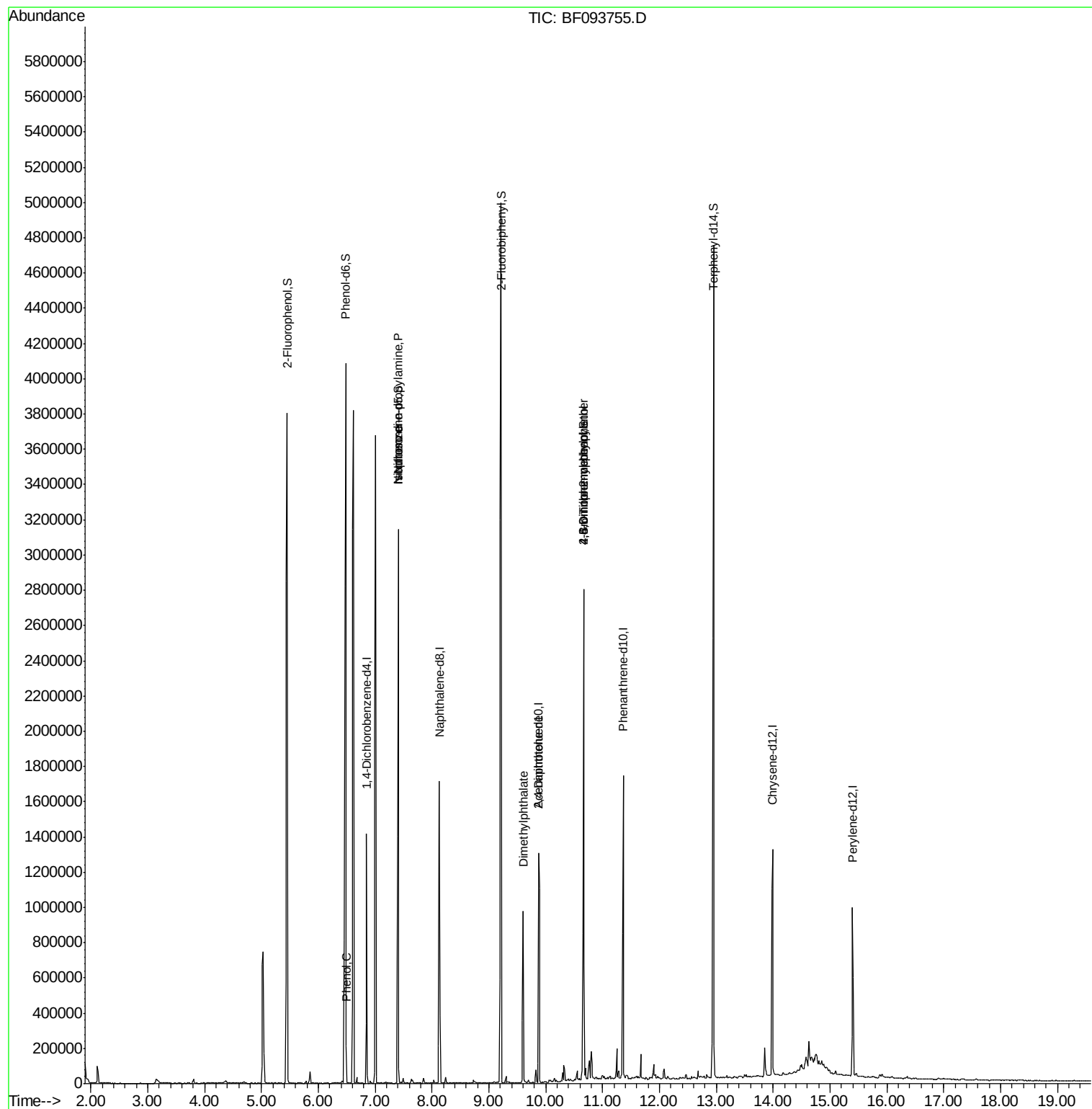
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	209392	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	789400	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	366863	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	699389	20.00	ng	0.00
75) Chrysene-d12	13.99	240	573078	20.00	ng	-0.01
86) Perylene-d12	15.40	264	438250	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1480245	117.86	ng	0.01
7) Phenol-d6	6.48	99	1925023	123.66	ng	0.00
23) Nitrobenzene-d5	7.41	82	1121114	85.24	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	352232	146.70	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	2053623	105.63	ng	0.00
78) Terphenyl-d14	12.95	244	1628549	61.17	ng	0.00
Target Compounds						
10) Phenol	6.49	94	80935	4.45	ng	Qvalue 76
19) n-Nitroso-di-n-propylamine	7.41	70	151722	14.68	ng	# 80
25) Isophorone	7.41	82	1088650	43.00	ng	# 67
49) Dimethylphthalate	9.60	163	439596	18.35	ng	99
56) 2,4-Dinitrotoluene	9.88	165	46638	6.77	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.66	198	924	4.15	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	22868	3.46	ng	# 1

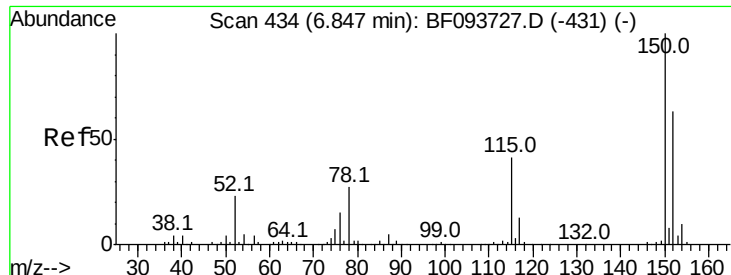
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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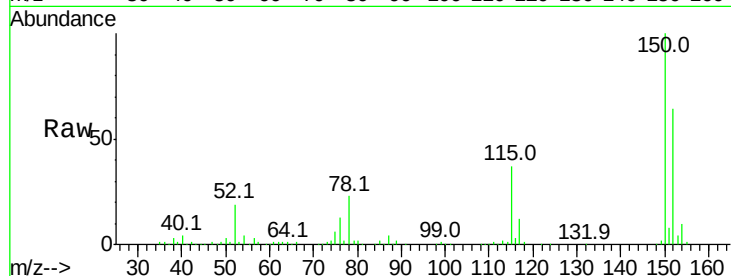


#1

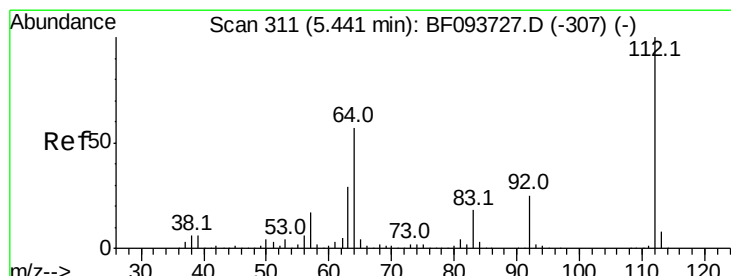
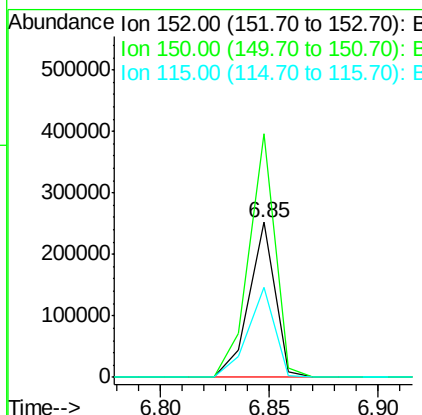
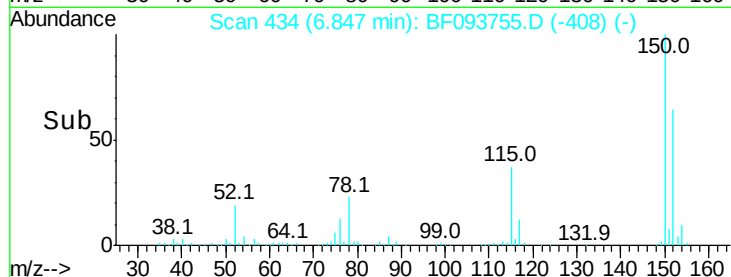
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 434
 Delta R.T. 0.00 min
 Lab File: BF093755.D
 Acq: 18 Mar 2017 15:49

Instrument :
 BNA_F
 ClientSampled :
 41D-9-11

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	58.1	52.2	78.2



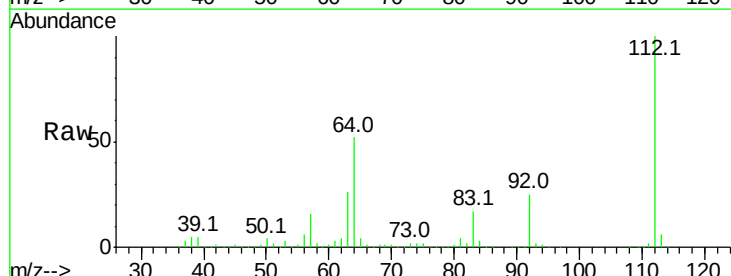
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



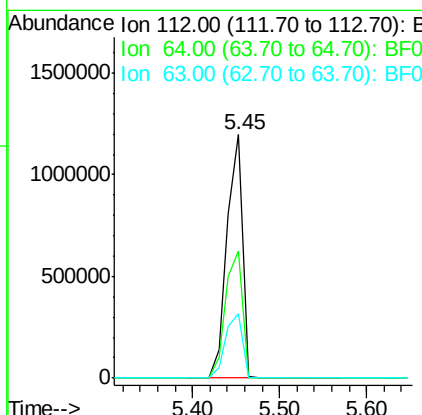
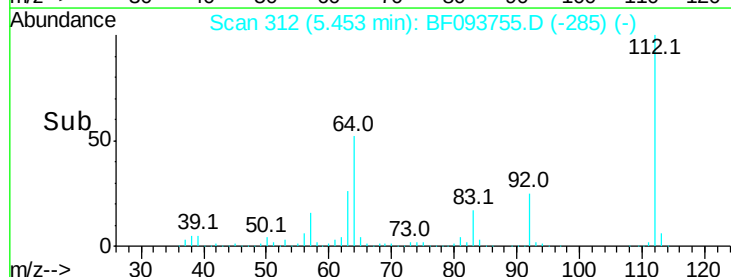
#5

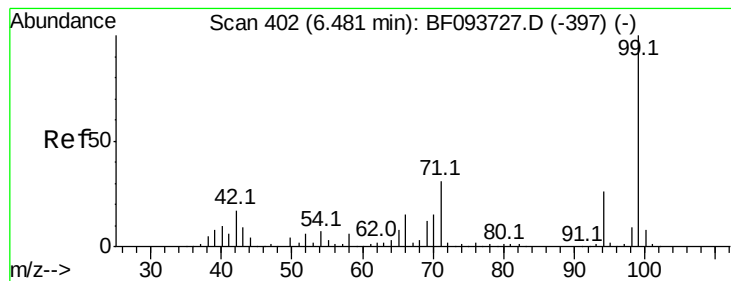
2-Fluorophenol
 Concen: 117.86 ng
 RT: 5.45 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: BF093755.D
 Acq: 18 Mar 2017 15:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	46.0	69.0
63	26.4	23.4	35.0



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: 123.66 ng

RT: 6.48 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF093755.D

Acq: 18 Mar 2017 15:49

Instrument :

BNA_F

ClientSampleId :

41D-9-11

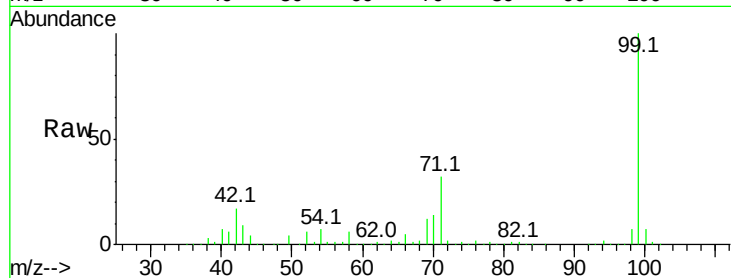
Tot Ion: 99 Resp: 1925023

Ion Ratio Lower Upper

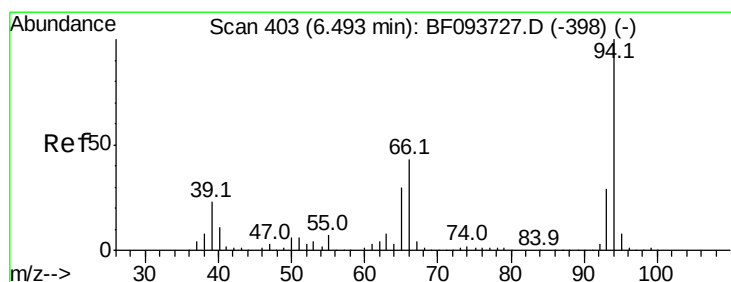
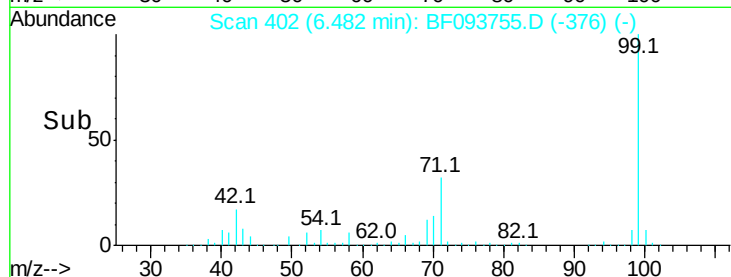
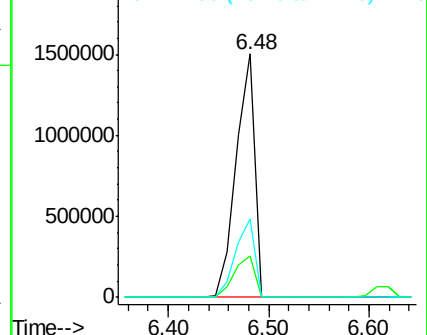
99 100

42 16.9 13.5 20.3

71 32.2 24.5 36.7



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



#10

Phenol

Concen: 4.45 ng

RT: 6.49 min Scan# 403

Delta R.T. 0.00 min

Lab File: BF093755.D

Acq: 18 Mar 2017 15:49

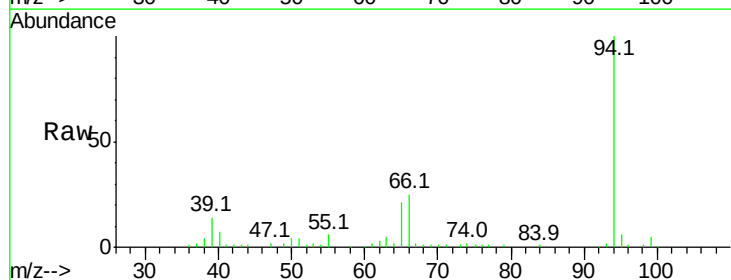
Tgt Ion: 94 Resp: 80935

Ion Ratio Lower Upper

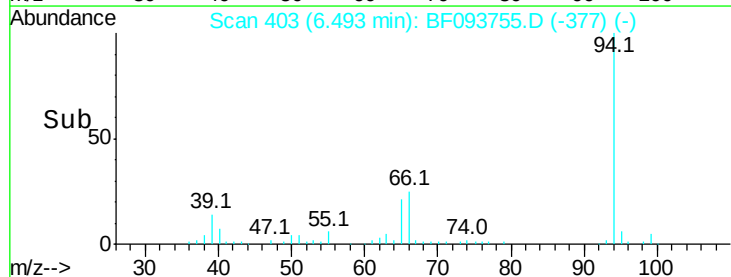
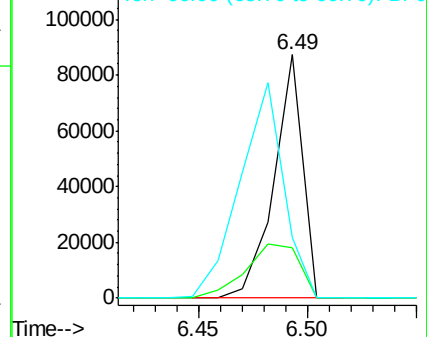
94 100

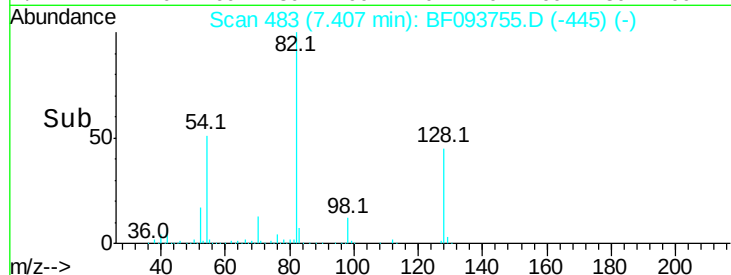
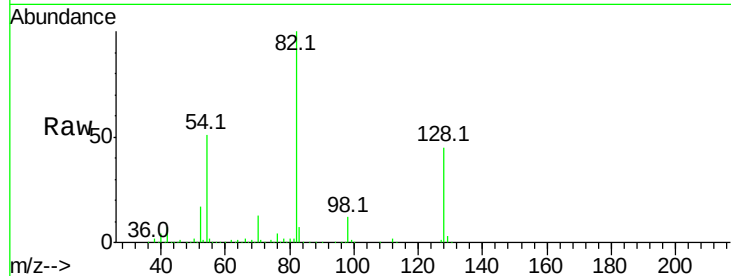
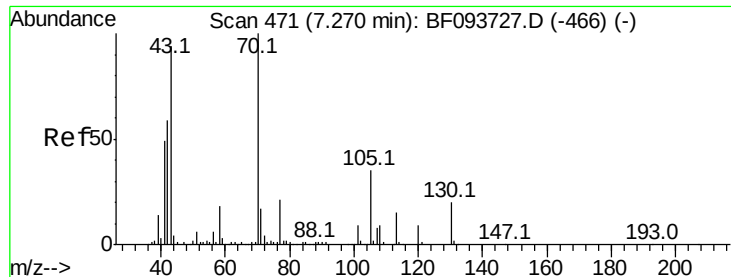
65 20.7 9.9 49.9

66 25.0 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

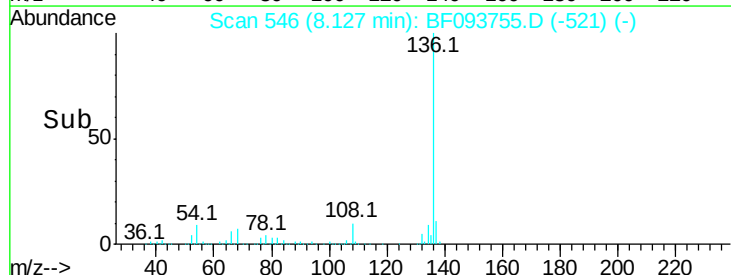
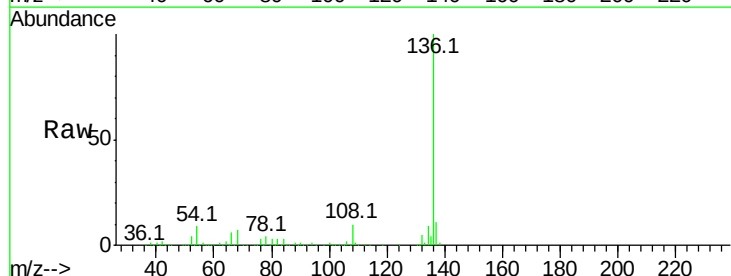
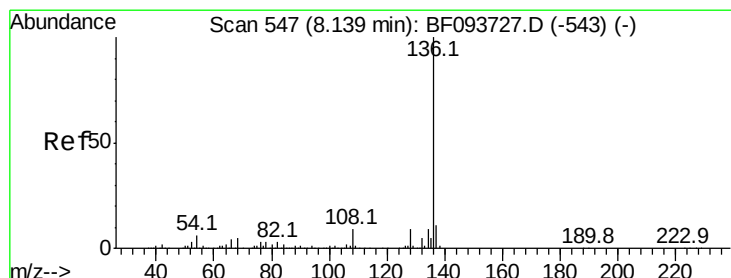
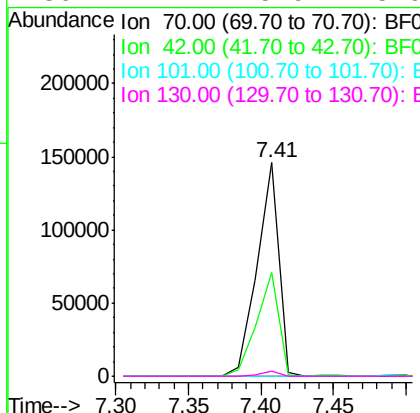




#19
n-Nitroso-di-n-propylamine
Concen: 14.68 ng
RT: 7.41 min Scan# 483
Delta R.T. 0.14 min
Lab File: BF093755.D
Acq: 18 Mar 2017 15:49

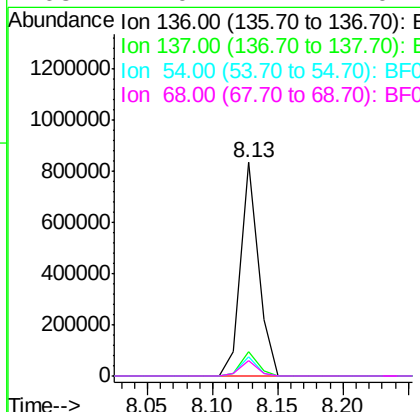
Instrument :
BNA_F
ClientSampleId :
41D-9-11

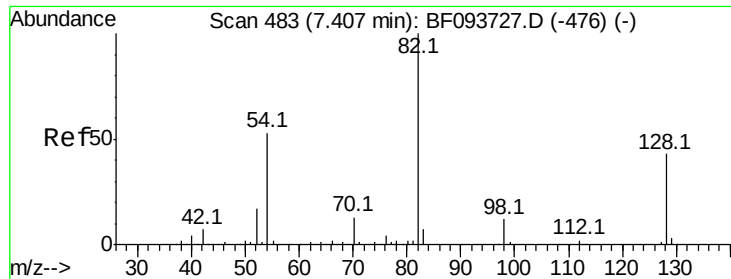
Tot Ion: 70 Resp: 151722
Ion Ratio Lower Upper
70 100
42 48.8 47.2 70.8
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF093755.D
Acq: 18 Mar 2017 15:49

Tgt Ion: 136 Resp: 789400
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 8.9 4.9 7.3#
68 7.0 4.1 6.1#

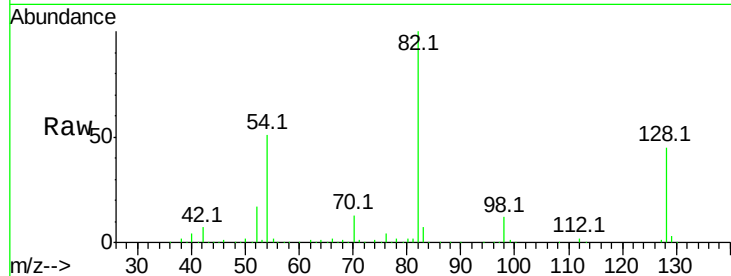




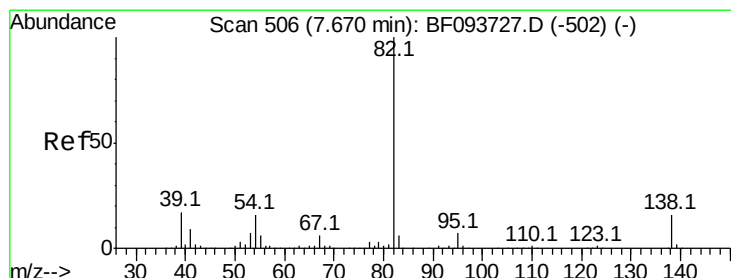
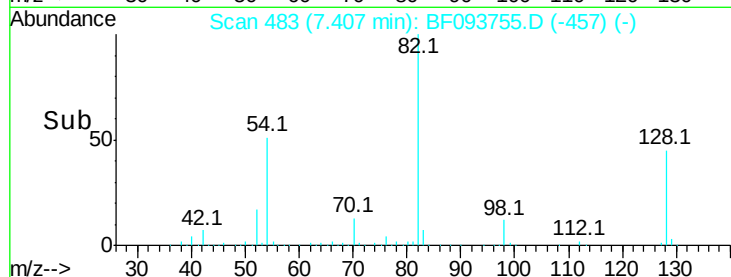
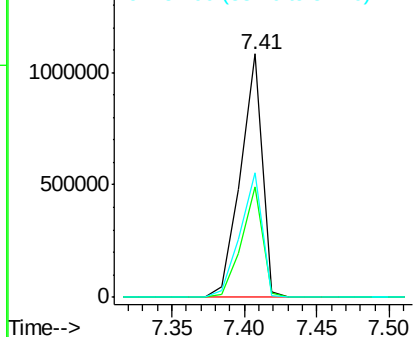
#23
 Nitrobenzene-d5
 Concen: 85.24 ng
 RT: 7.41 min Scan# 483
 Delta R.T. 0.00 min
 Lab File: BF093755.D
 Acq: 18 Mar 2017 15:49

Instrument :
 BNA_F
 ClientSampleId :
 41D-9-11

Tot Ion: 82 Resp: 1121114
 Ion Ratio Lower Upper
 82 100
 128 45.2 34.0 51.0
 54 51.1 42.2 63.2

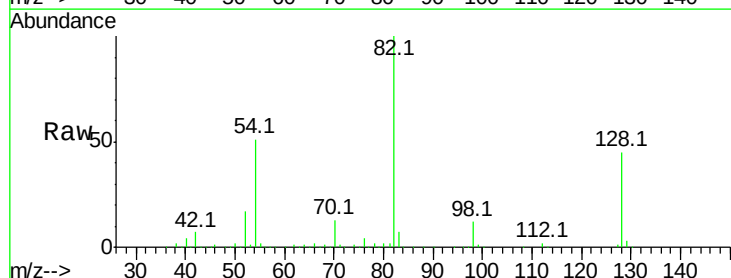


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

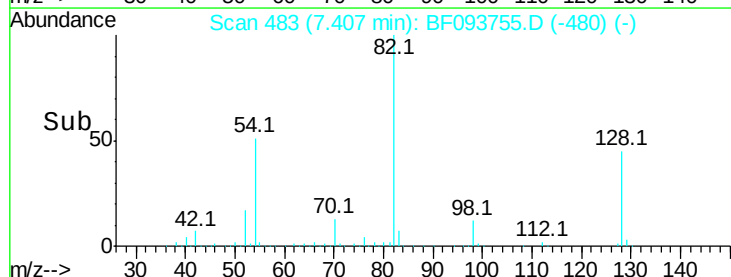
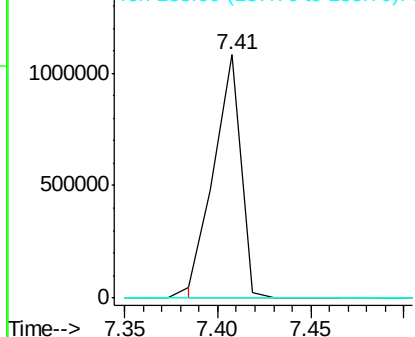


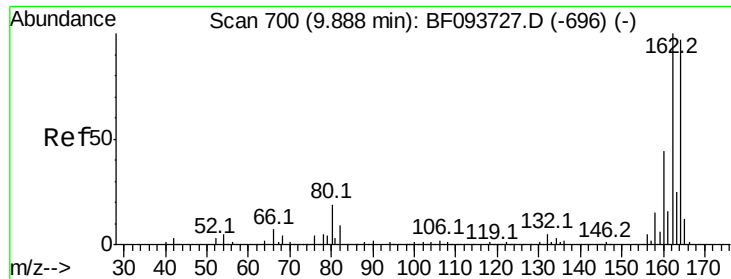
#25
 Isophorone
 Concen: 43.00 ng
 RT: 7.41 min Scan# 483
 Delta R.T. -0.26 min
 Lab File: BF093755.D
 Acq: 18 Mar 2017 15:49

Tgt Ion: 82 Resp: 1088650
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#



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

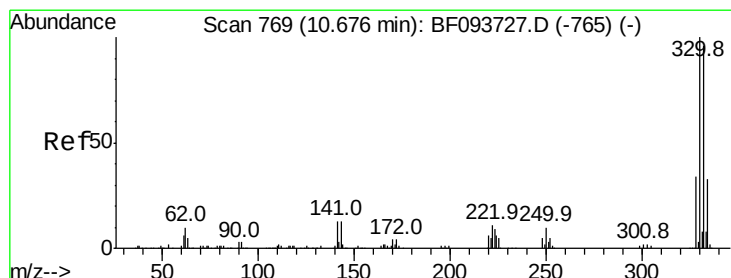
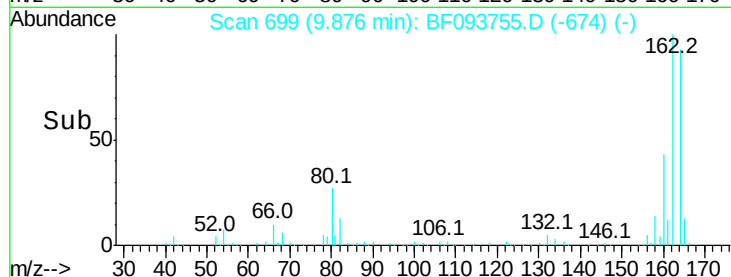
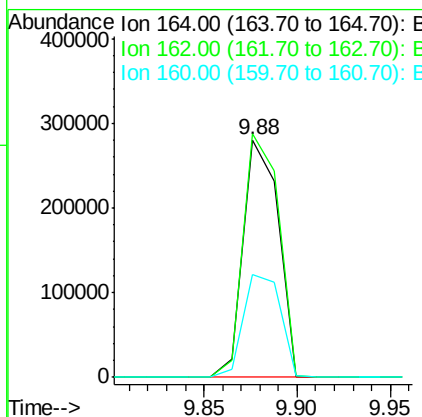
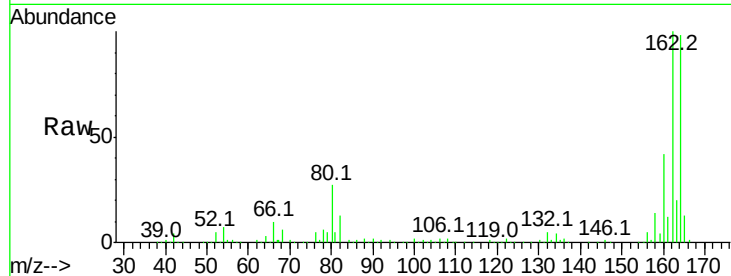




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF093755.D
Acq: 18 Mar 2017 15:49

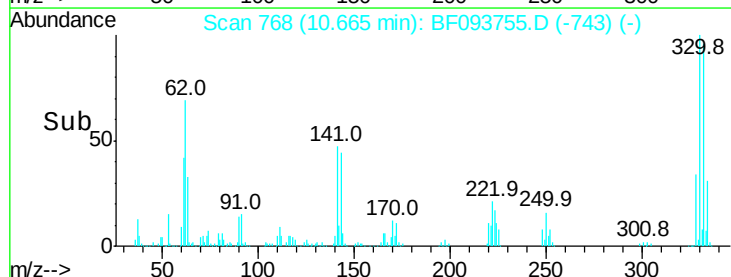
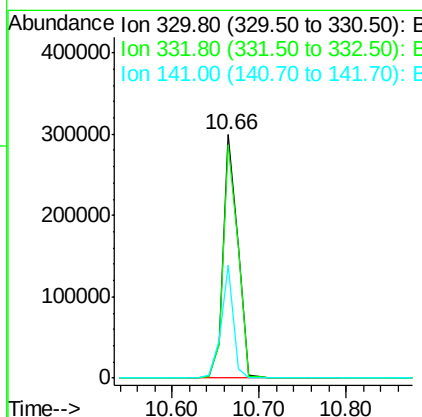
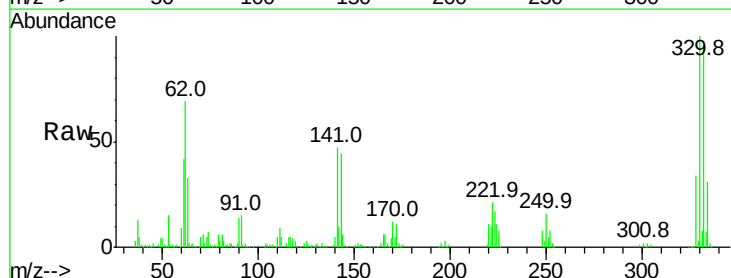
Instrument :
BNA_F
ClientSampleId :
41D-9-11

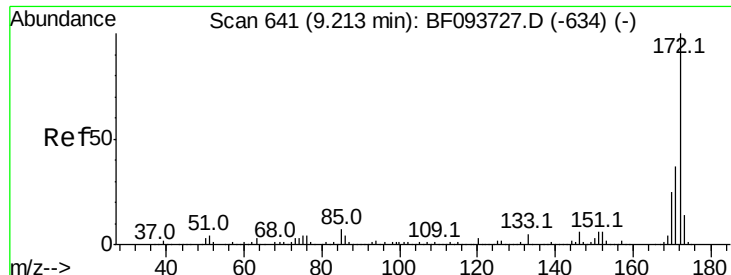
Tot Ion:164 Resp: 366863
Ion Ratio Lower Upper
164 100
162 102.4 82.6 123.8
160 43.4 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 146.70 ng
RT: 10.66 min Scan# 768
Delta R.T. -0.01 min
Lab File: BF093755.D
Acq: 18 Mar 2017 15:49

Tgt Ion:330 Resp: 352232
Ion Ratio Lower Upper
330 100
332 96.7 76.6 115.0
141 39.7 31.4 47.2



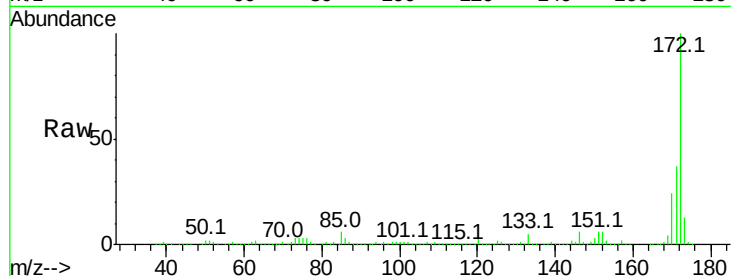


#44
 2-Fluorobiphenyl
 Concen: 105.63 ng
 RT: 9.21 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF093755.D
 Acq: 18 Mar 2017 15:49

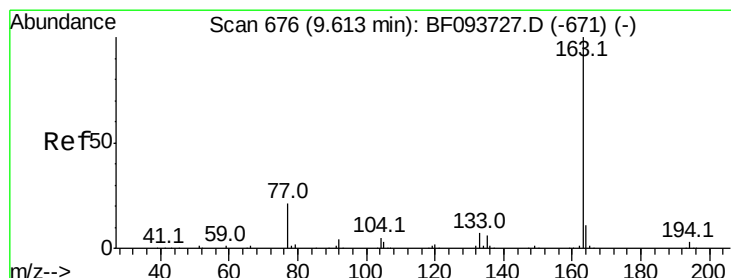
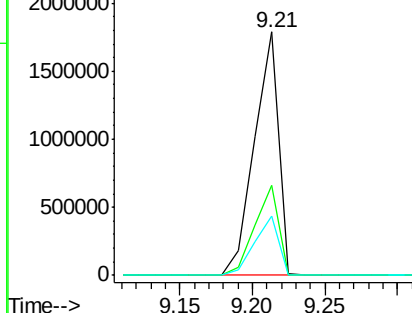
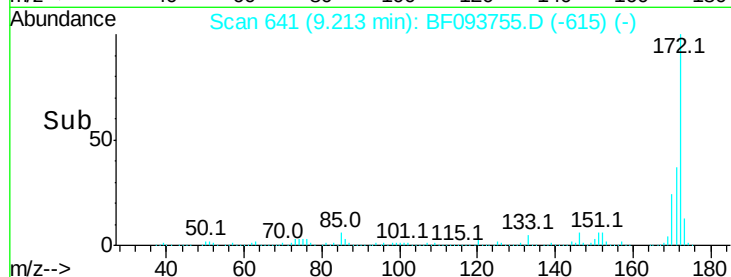
Instrument :
 BNA_F
 ClientSampleId :
 41D-9-11

Tot Ion:172 Resp: 2053623

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.2	19.8	29.8



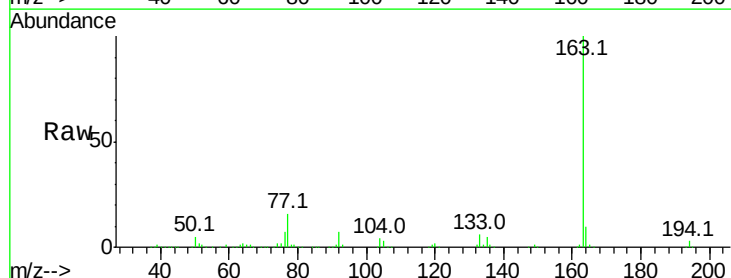
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



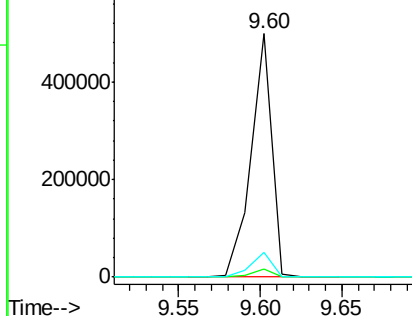
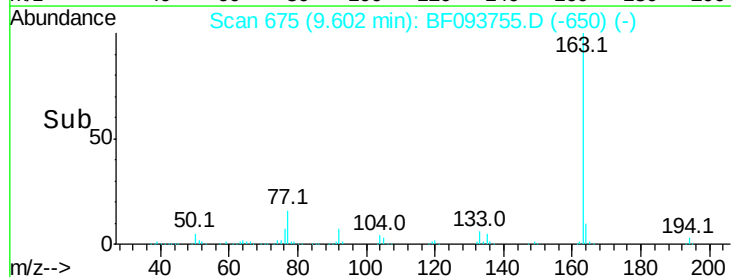
#49
 Dimethylphthalate
 Concen: 18.35 ng
 RT: 9.60 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF093755.D
 Acq: 18 Mar 2017 15:49

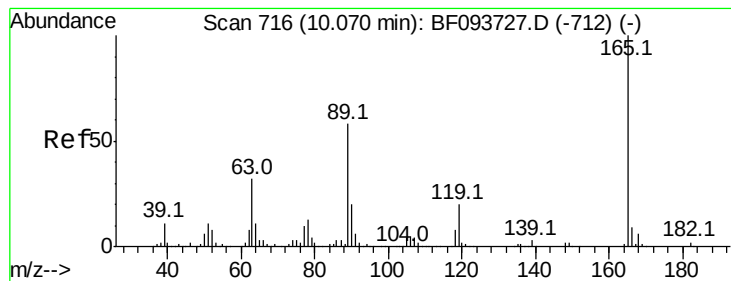
Tgt Ion:163 Resp: 439596

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.0	8.4	12.6



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: 6.77 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.19 min

Lab File: BF093755.D

Acq: 18 Mar 2017 15:49

Instrument :

BNA_F

ClientSampleId :

41D-9-11

Tot Ion:165 Resp: 46638

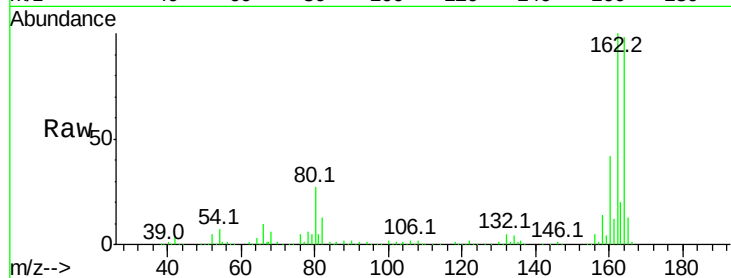
Ion Ratio Lower Upper

165 100

63 1.1 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

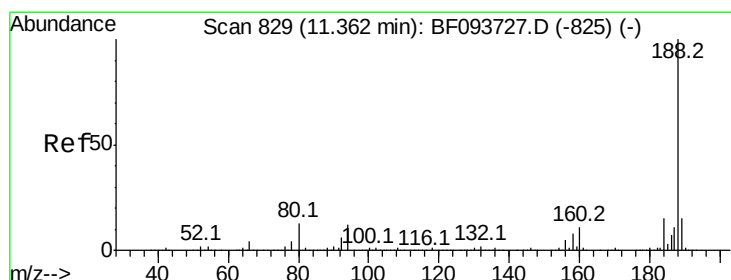
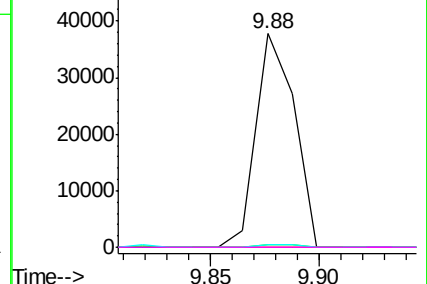
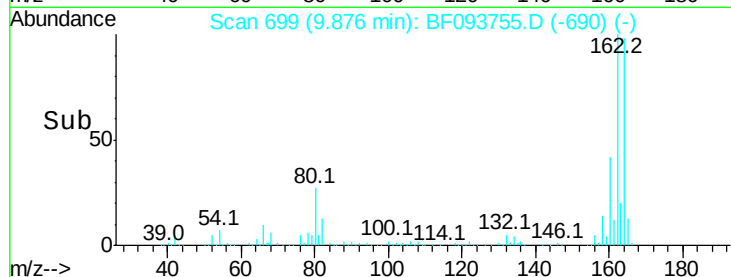


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 829

Delta R.T. 0.00 min

Lab File: BF093755.D

Acq: 18 Mar 2017 15:49

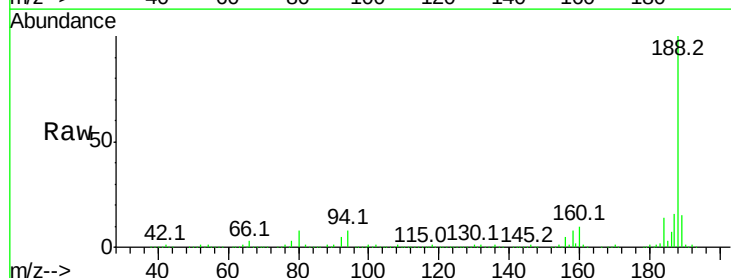
Tgt Ion:188 Resp: 699389

Ion Ratio Lower Upper

188 100

94 8.4 9.4 14.2#

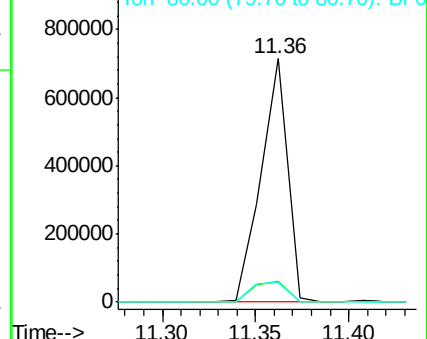
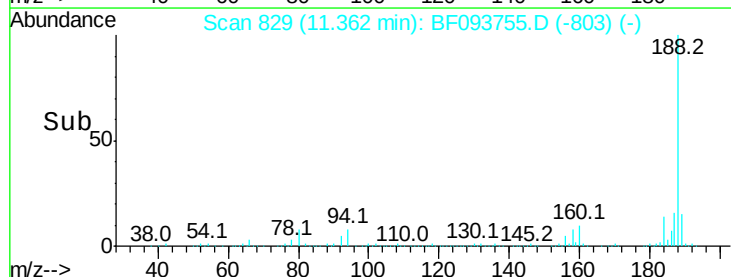
80 8.3 10.2 15.2#

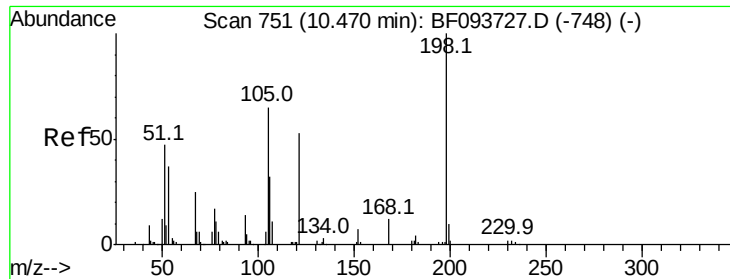


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 4.15 ng

RT: 10.66 min Scan# 768

Delta R.T. 0.19 min

Lab File: BF093755.D

Acq: 18 Mar 2017 15:49

Instrument :

BNA_F

ClientSampleId :

41D-9-11

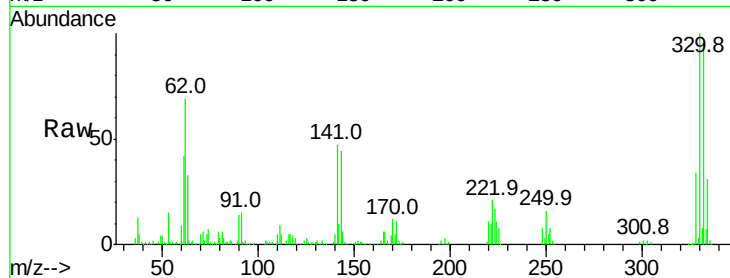
Tot Ion:198 Resp: 924

Ion Ratio Lower Upper

198 100

51 174.4 53.2 93.2#

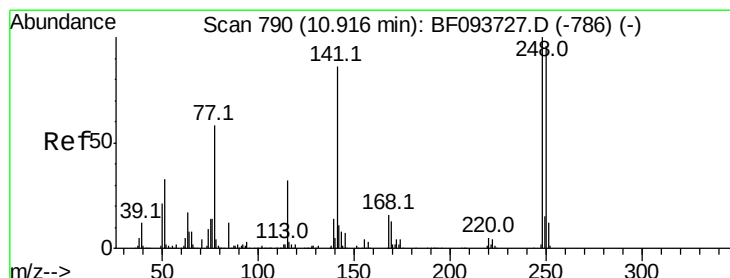
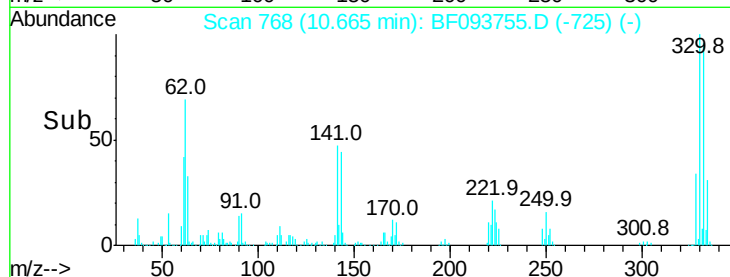
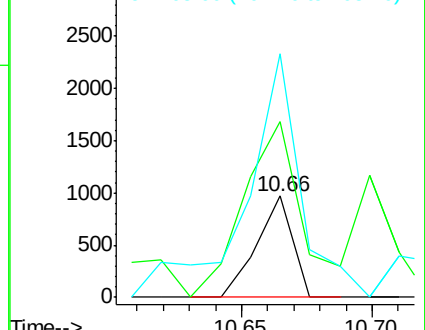
105 241.1 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.46 ng

RT: 10.66 min Scan# 768

Delta R.T. -0.25 min

Lab File: BF093755.D

Acq: 18 Mar 2017 15:49

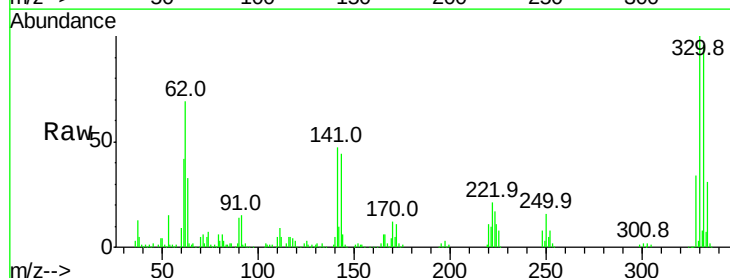
Tgt Ion:248 Resp: 22868

Ion Ratio Lower Upper

248 100

250 203.2 76.8 115.2#

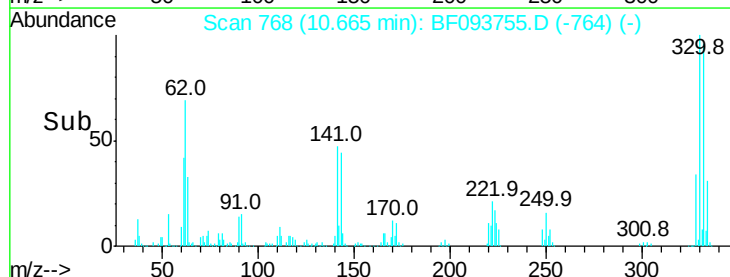
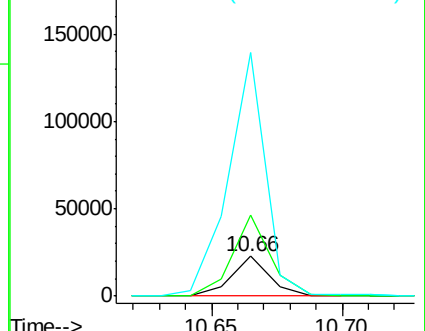
141 609.7 68.6 103.0#

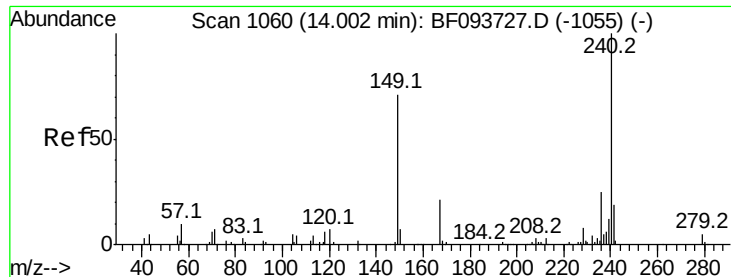


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.99 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF093755.D

Acq: 18 Mar 2017 15:49

Instrument :

BNA_F

ClientSampleId :

41D-9-11

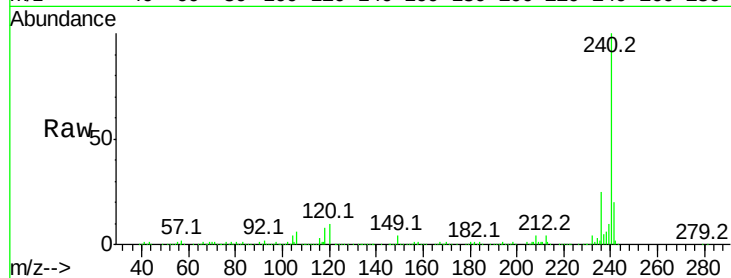
Tot Ion:240 Resp: 573078

Ion Ratio Lower Upper

240 100

120 9.6 5.8 8.8#

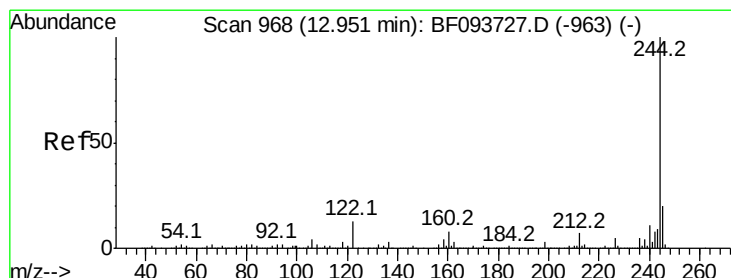
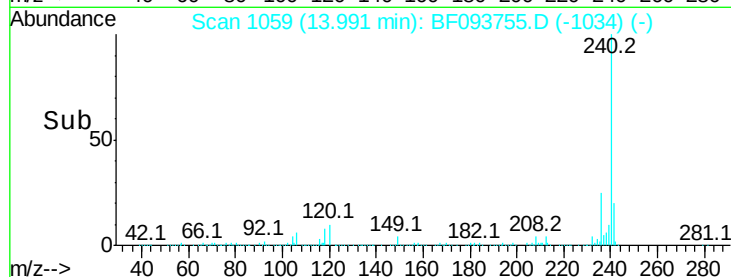
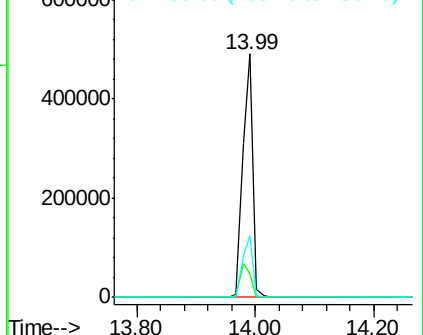
236 25.4 20.5 30.7



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: 61.17 ng

RT: 12.95 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF093755.D

Acq: 18 Mar 2017 15:49

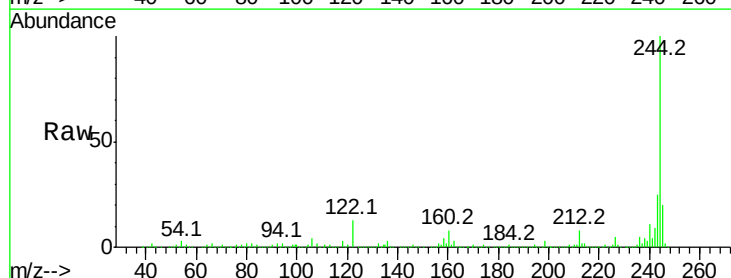
Tgt Ion:244 Resp: 1628549

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

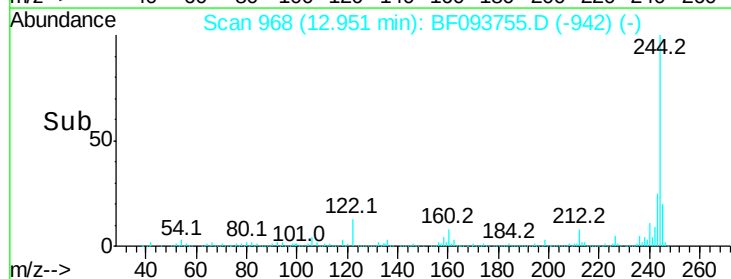
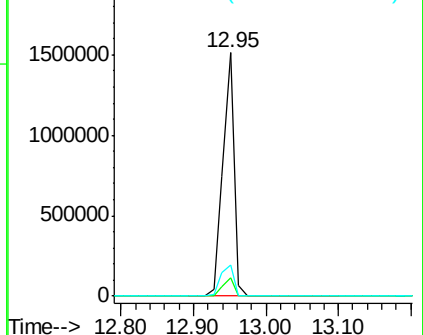
122 12.8 10.3 15.5

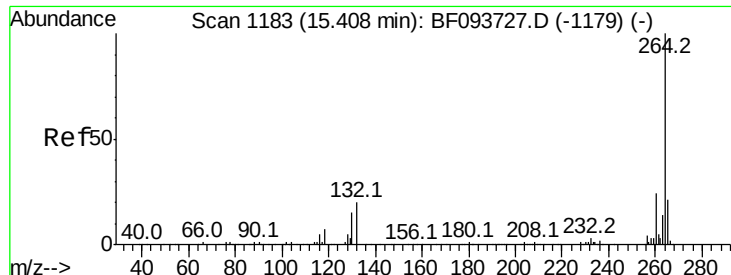


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

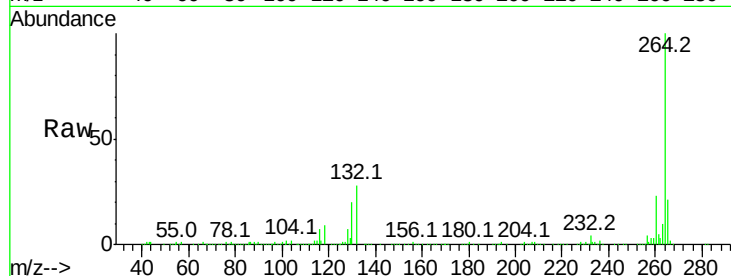




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF093755.D
 Acq: 18 Mar 2017 15:49

Instrument :
 BNA_F
 ClientSampleId :
 41D-9-11

Tot Ion: 264 Resp: 438250
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.5 29.3
 265 21.5 17.2 25.8



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

