

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031817\
 Data File : BF093753.D
 Acq On : 18 Mar 2017 14:55
 Operator : SJ/MA
 Sample : I2270-02
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 41B-9-11

Quant Time: Mar 20 01:08:00 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

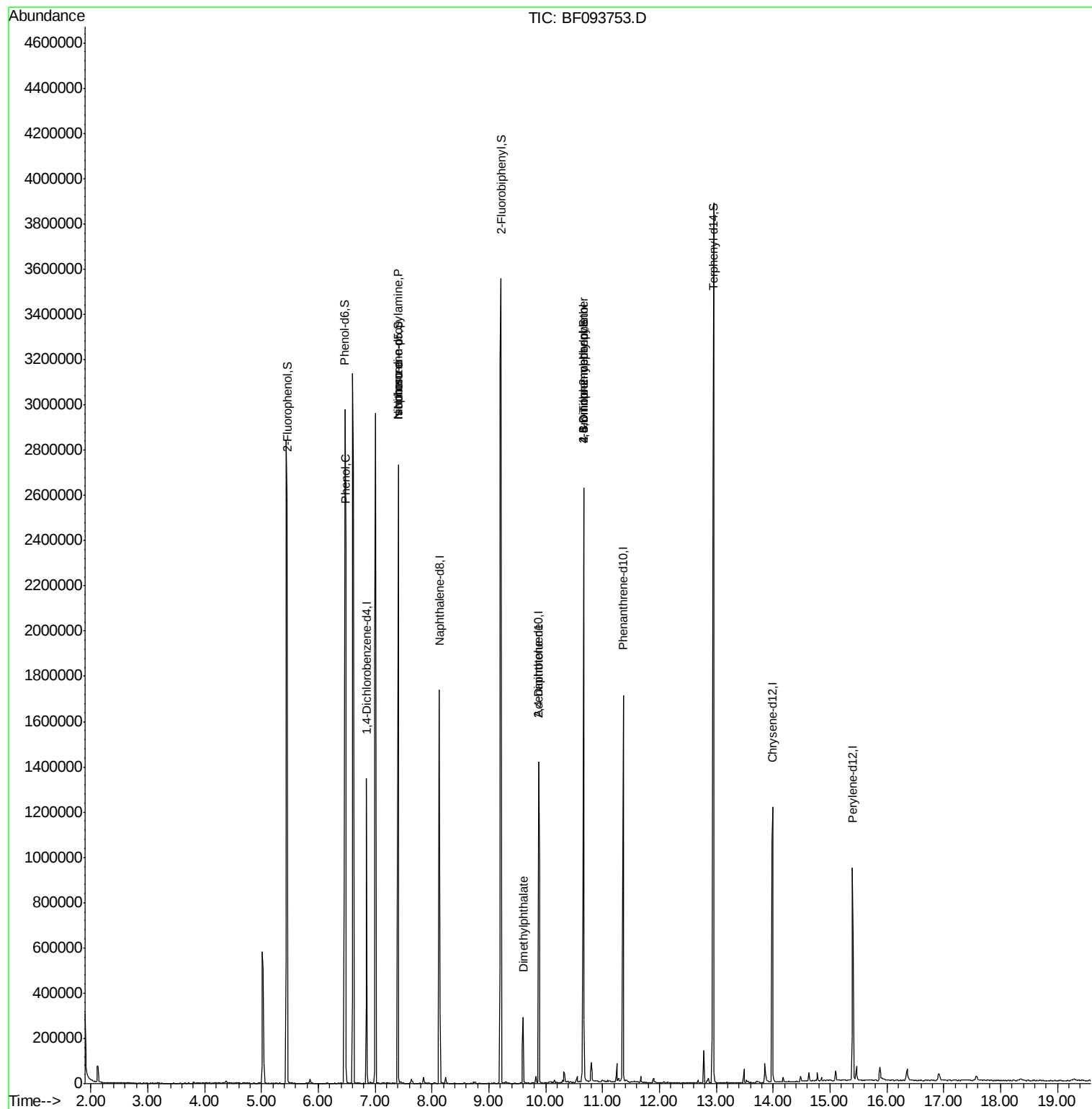
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	202865	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	780263	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	364733	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	704076	20.00	ng	0.00
75) Chrysene-d12	13.99	240	592240	20.00	ng	-0.01
86) Perylene-d12	15.40	264	446736	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1254991	103.14	ng	0.01
7) Phenol-d6	6.47	99	1556219	103.19	ng	-0.01
23) Nitrobenzene-d5	7.41	82	998174	76.78	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	280312	117.43	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1732616	89.64	ng	0.00
78) Terphenyl-d14	12.95	244	1472299	53.51	ng	0.00
Target Compounds						
9) Benzaldehyde	6.48	77	2964	Below Cal	#	1
10) Phenol	6.48	94	77028	4.37 ng	#	58
19) n-Nitroso-di-n-propylamine	7.41	70	131987	13.18 ng	#	79
25) Isophorone	7.41	82	972136	38.85 ng	#	67
49) Dimethylphthalate	9.60	163	150971	6.34 ng		97
56) 2,4-Dinitrotoluene	9.88	165	45615	6.66 ng	#	33
64) 4,6-Dinitro-2-methylphenol	10.67	198	638	4.08 ng	#	1
66) 4-Bromophenyl-phenylether	10.67	248	20373	3.06 ng	#	1

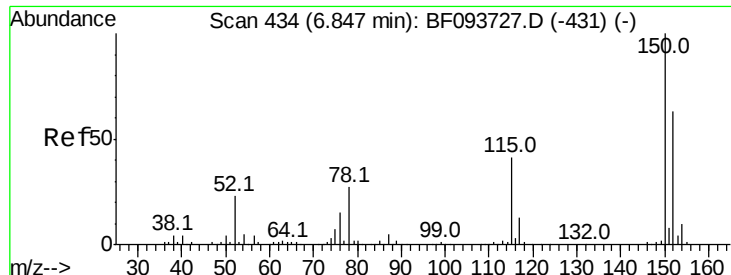
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF093753.D

Acq: 18 Mar 2017 14:55

Instrument :

BNA_F

ClientSampleId :

41B-9-11

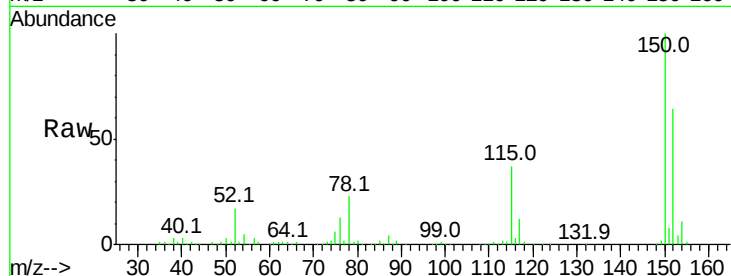
Tot Ion:152 Resp: 202865

Ion Ratio Lower Upper

152 100

150 155.7 126.2 189.2

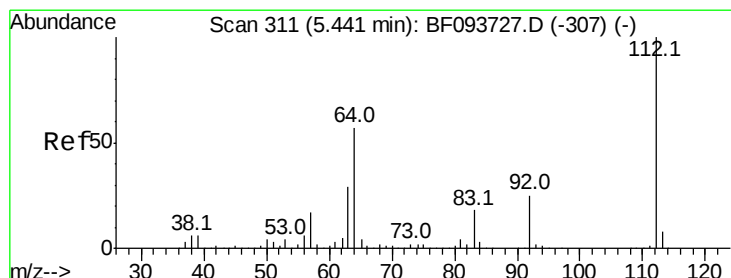
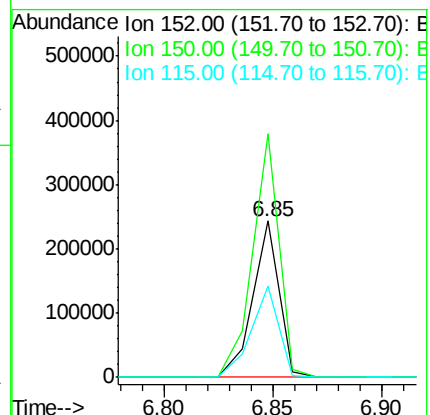
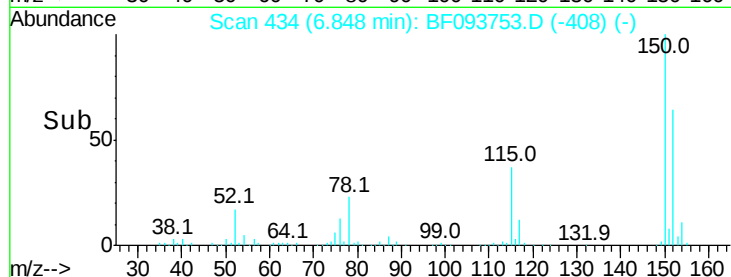
115 58.0 52.2 78.2



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: 103.14 ng

RT: 5.45 min Scan# 312

Delta R.T. 0.01 min

Lab File: BF093753.D

Acq: 18 Mar 2017 14:55

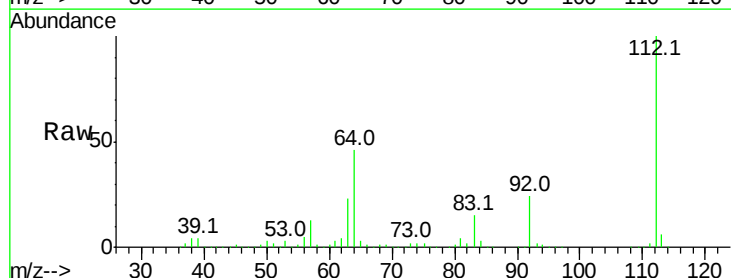
Tgt Ion:112 Resp: 1254991

Ion Ratio Lower Upper

112 100

64 46.0 46.0 69.0

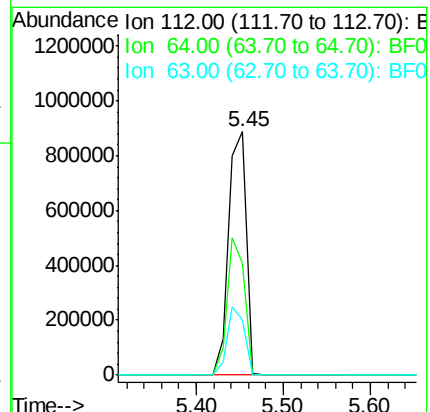
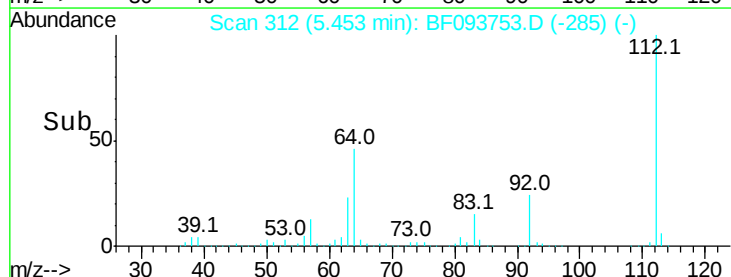
63 22.8 23.4 35.0#

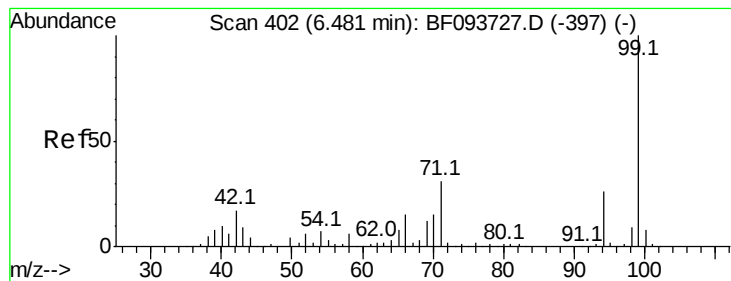


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.19 ng

RT: 6.47 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF093753.D

Acq: 18 Mar 2017 14:55

Instrument :

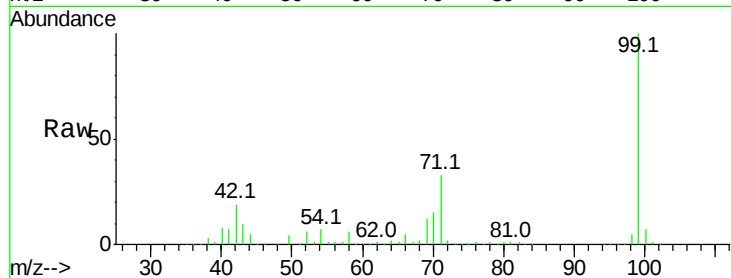
BNA_F

ClientSampled :

41B-9-11

Tot Ion: 99 Resp: 1556219

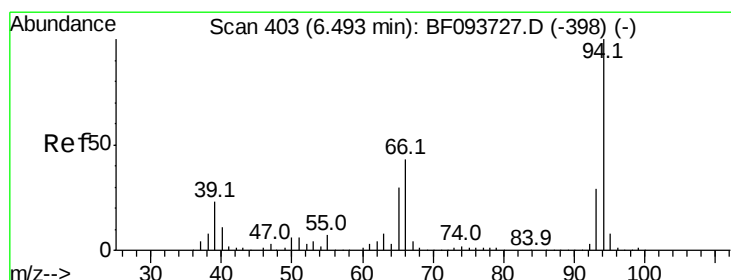
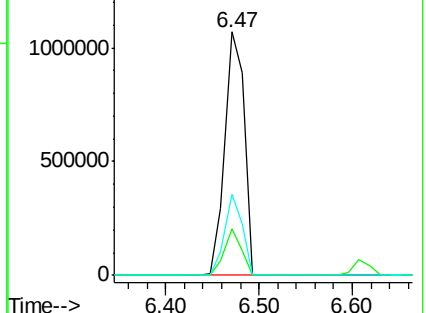
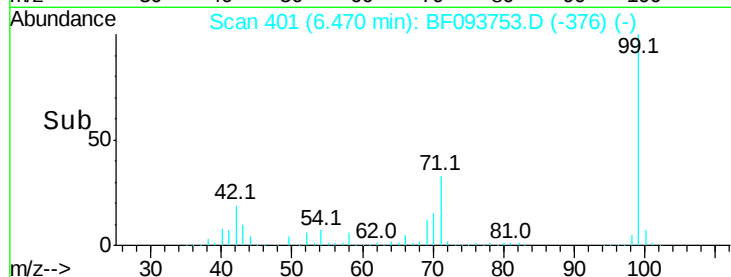
Ion	Ratio	Lower	Upper
99	100		
42	19.3	13.5	20.3
71	33.3	24.5	36.7



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: 4.37 ng

RT: 6.48 min Scan# 402

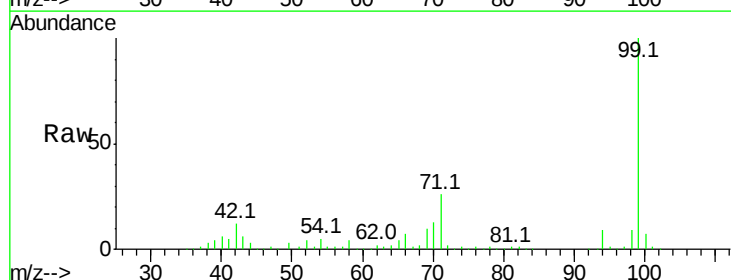
Delta R.T. -0.01 min

Lab File: BF093753.D

Acq: 18 Mar 2017 14:55

Tgt Ion: 94 Resp: 77028

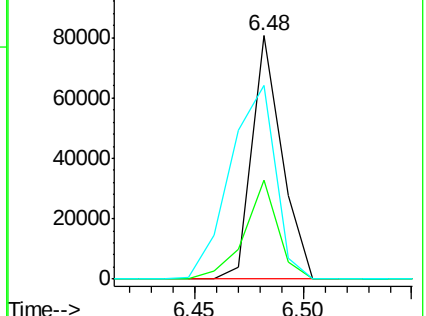
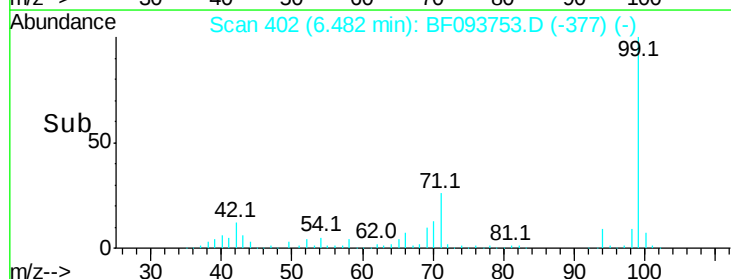
Ion	Ratio	Lower	Upper
94	100		
65	40.5	9.9	49.9
66	79.6	23.1	63.1

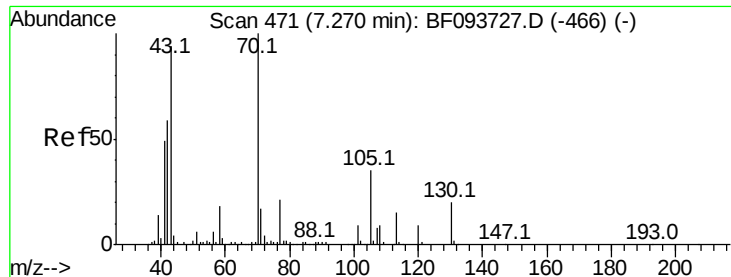


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

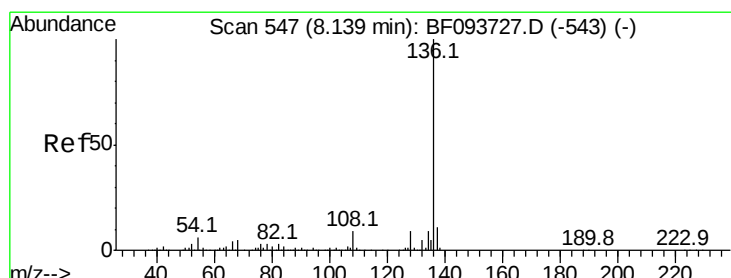
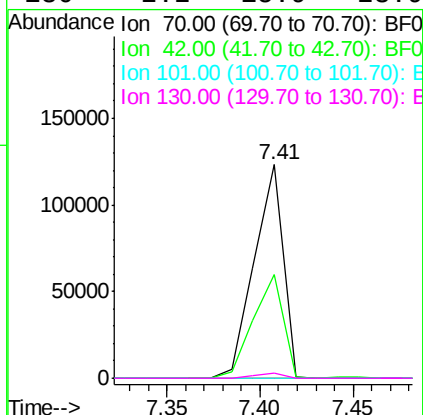
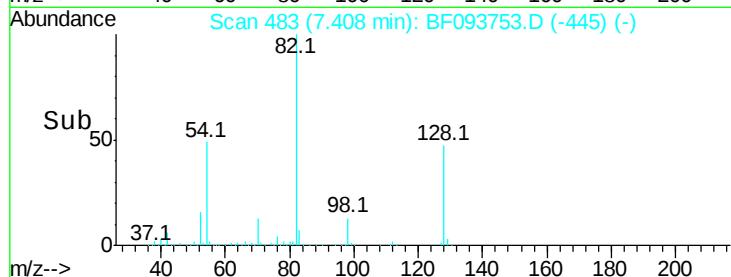
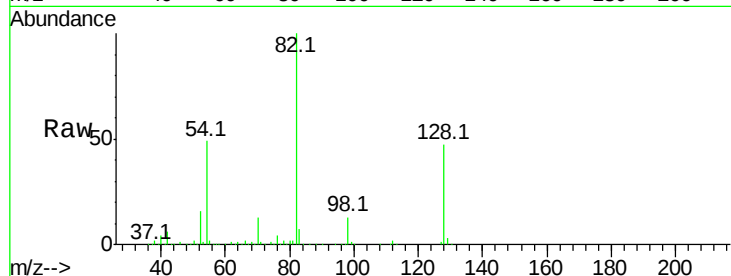




#19
n-Nitroso-di-n-propylamine
Concen: 13.18 ng
RT: 7.41 min Scan# 483
Delta R.T. 0.14 min
Lab File: BF093753.D
Acq: 18 Mar 2017 14:55

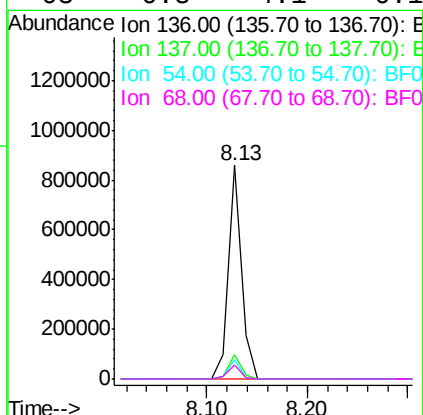
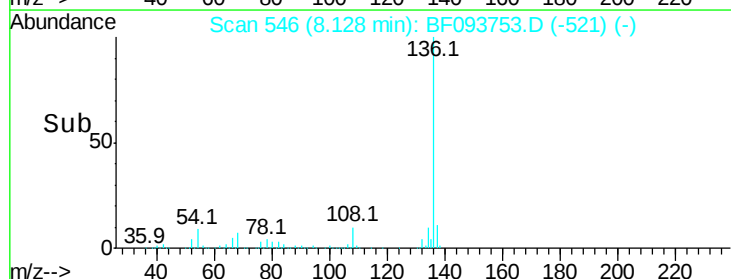
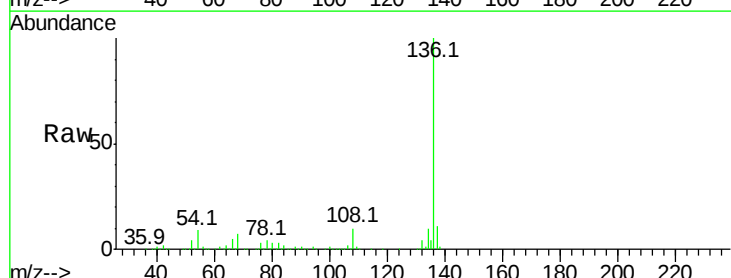
Instrument :
BNA_F
ClientSampleId :
41B-9-11

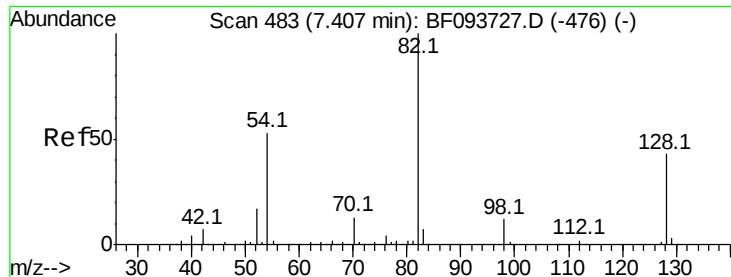
Tot Ion: 70 Resp: 131987
Ion Ratio Lower Upper
70 100
42 48.4 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF093753.D
Acq: 18 Mar 2017 14:55

Tgt Ion: 136 Resp: 780263
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 8.7 4.9 7.3#
68 6.8 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 76.78 ng

RT: 7.41 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF093753.D

Acq: 18 Mar 2017 14:55

Instrument :

BNA_F

ClientSampleId :

41B-9-11

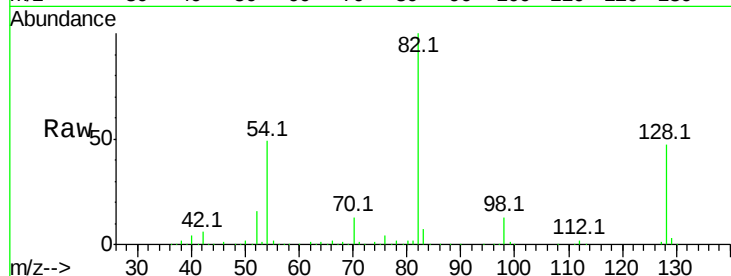
Tot Ion: 82 Resp: 998174

Ion Ratio Lower Upper

82 100

128 47.3 34.0 51.0

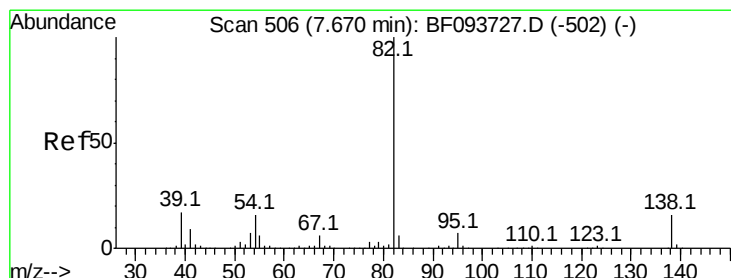
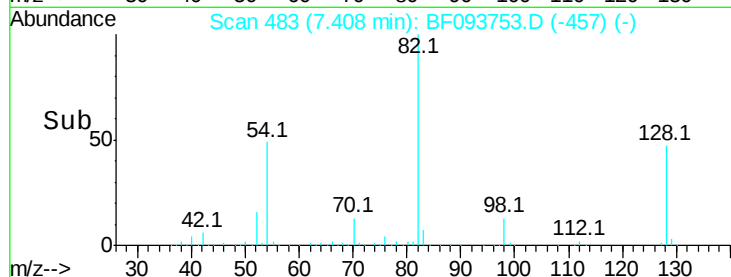
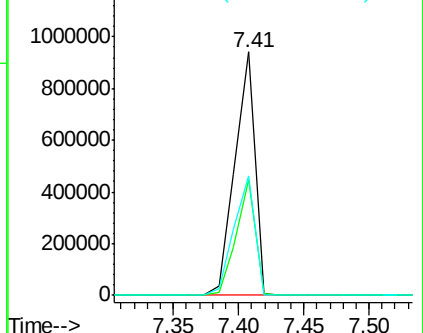
54 49.0 42.2 63.2



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: 38.85 ng

RT: 7.41 min Scan# 483

Delta R.T. -0.26 min

Lab File: BF093753.D

Acq: 18 Mar 2017 14:55

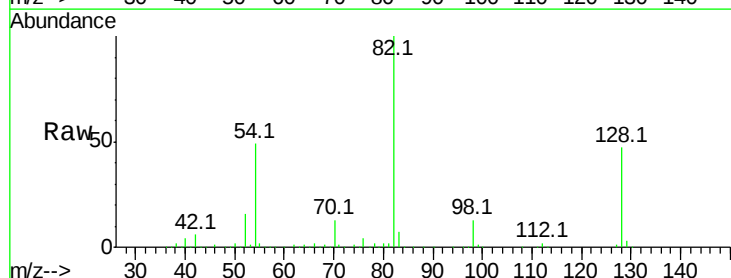
Tgt Ion: 82 Resp: 972136

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

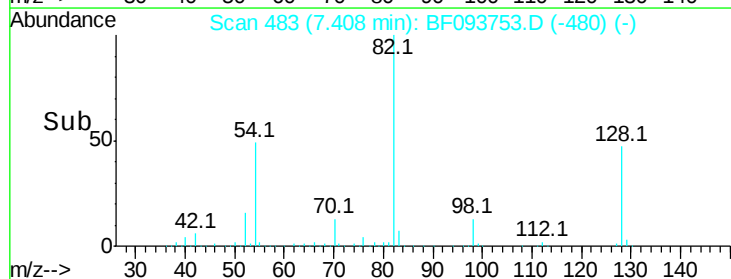
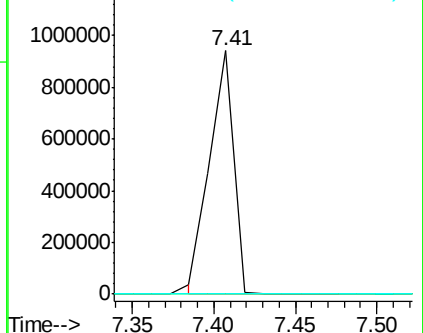
138 0.0 13.1 19.7#

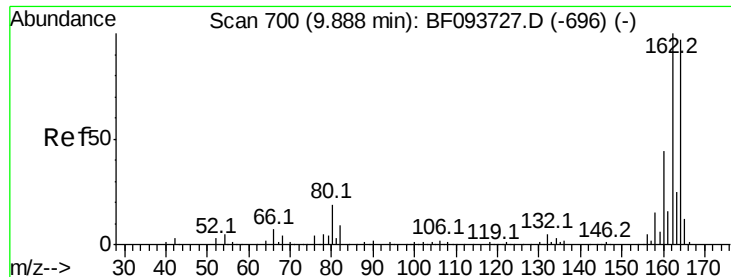


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

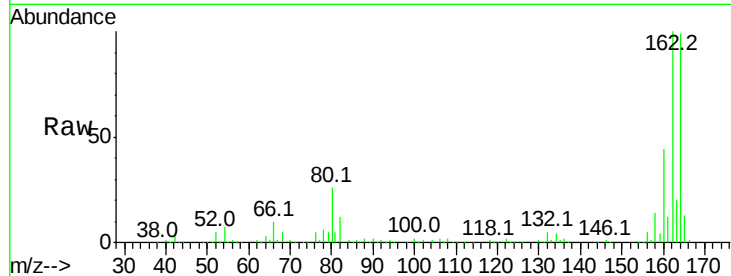




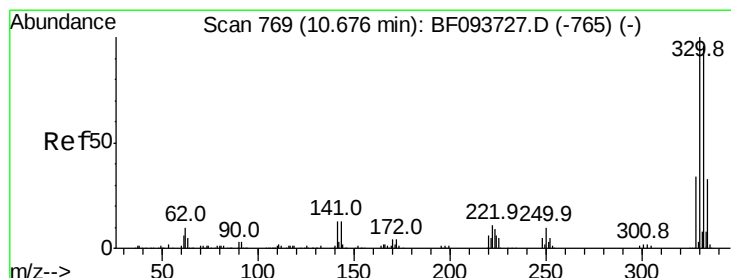
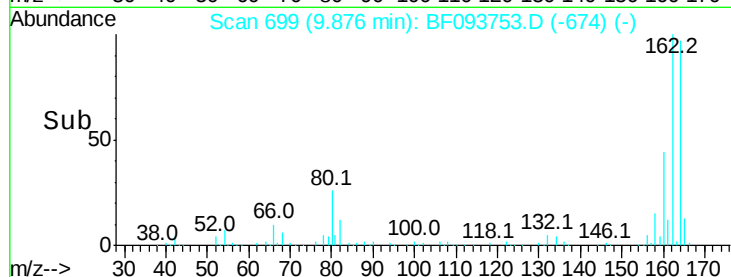
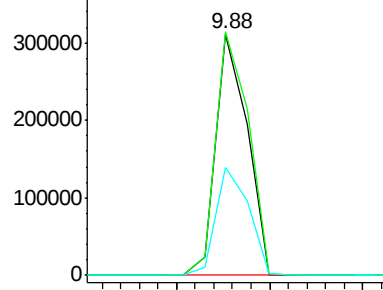
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF093753.D
Acq: 18 Mar 2017 14:55

Instrument :
BNA_F
ClientSampleId :
41B-9-11

Tot Ion:164 Resp: 364733
Ion Ratio Lower Upper
164 100
162 100.9 82.6 123.8
160 44.6 36.2 54.2

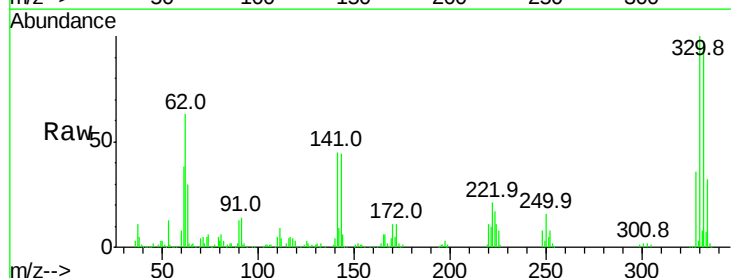


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

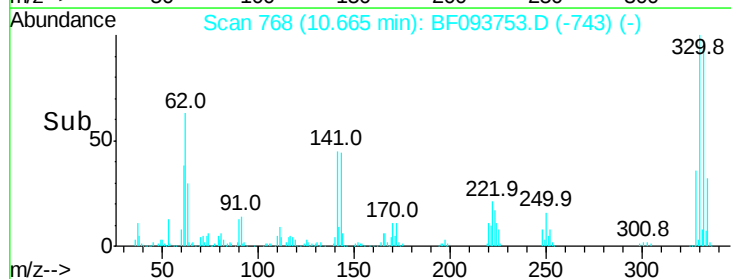
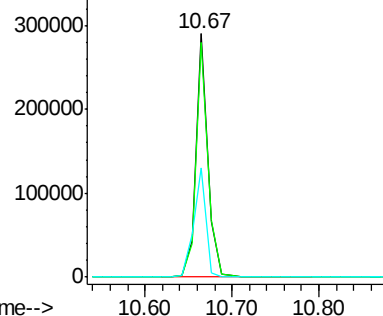


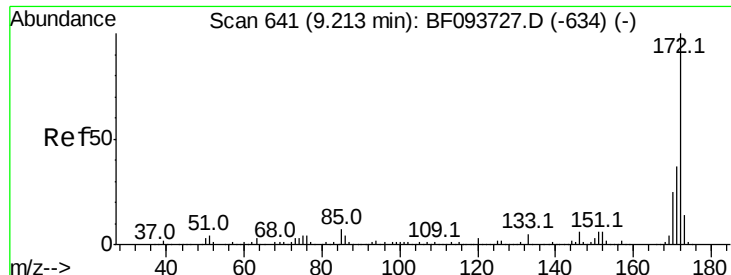
#41
2,4,6-Tribromophenol
Concen: 117.43 ng
RT: 10.67 min Scan# 768
Delta R.T. -0.01 min
Lab File: BF093753.D
Acq: 18 Mar 2017 14:55

Tgt Ion:330 Resp: 280312
Ion Ratio Lower Upper
330 100
332 97.3 76.6 115.0
141 46.8 31.4 47.2



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



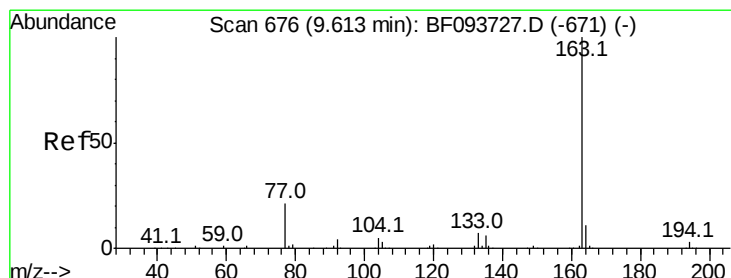
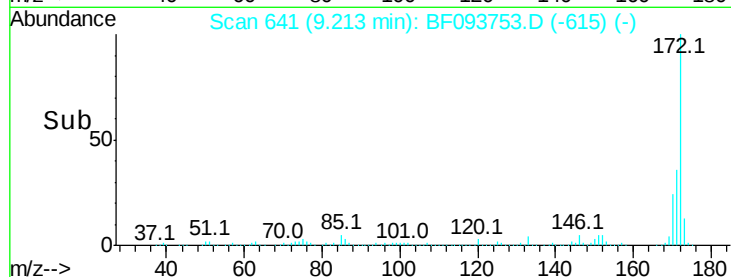
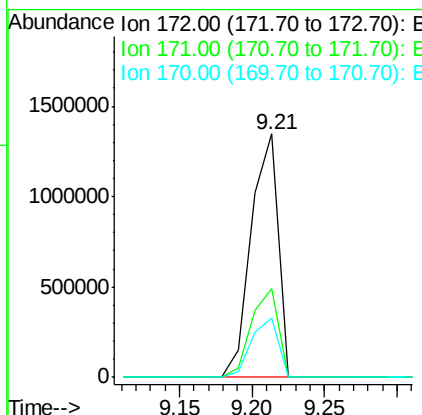
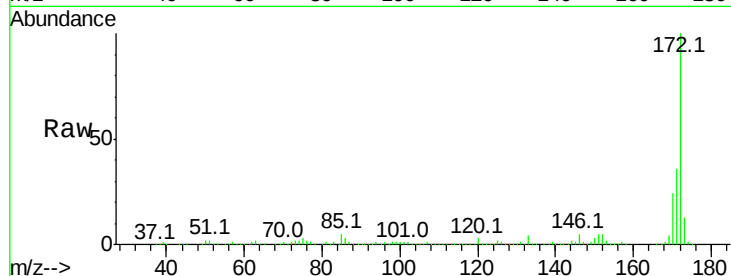


#44
 2-Fluorobiphenyl
 Concen: 89.64 ng
 RT: 9.21 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF093753.D
 Acq: 18 Mar 2017 14:55

Instrument :
 BNA_F
 ClientSampleId :
 41B-9-11

Tot Ion:172 Resp: 1732616

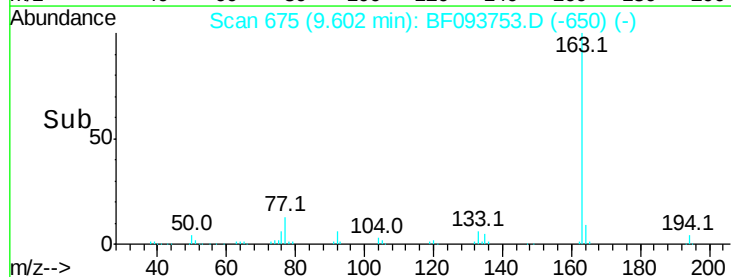
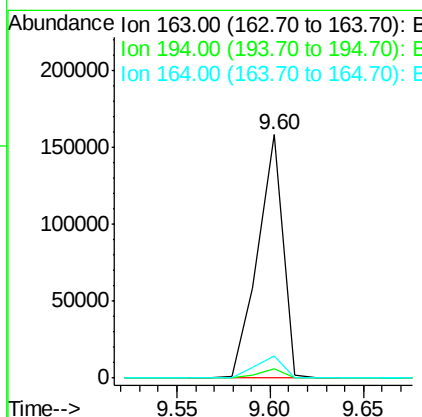
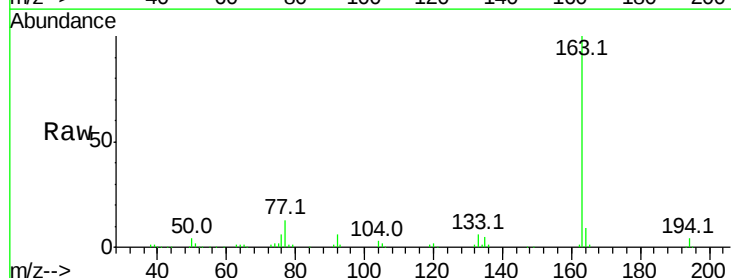
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.1	19.8	29.8

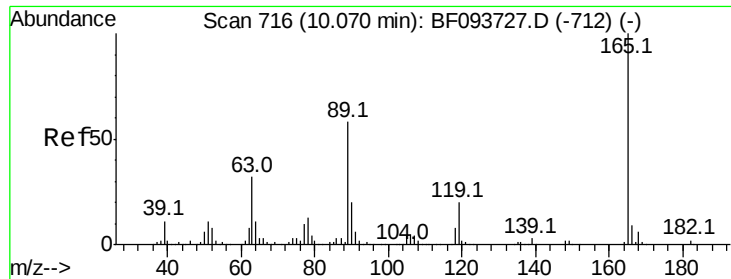


#49
 Dimethylphthalate
 Concen: 6.34 ng
 RT: 9.60 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF093753.D
 Acq: 18 Mar 2017 14:55

Tgt Ion:163 Resp: 150971

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	9.4	8.4	12.6

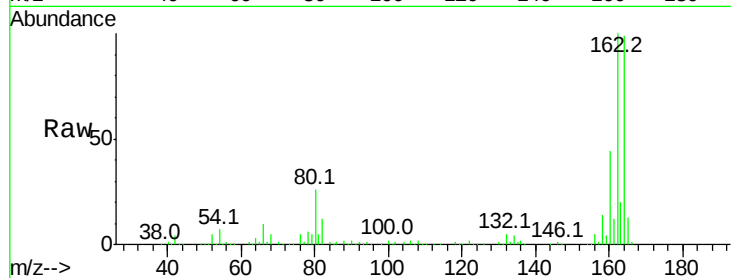




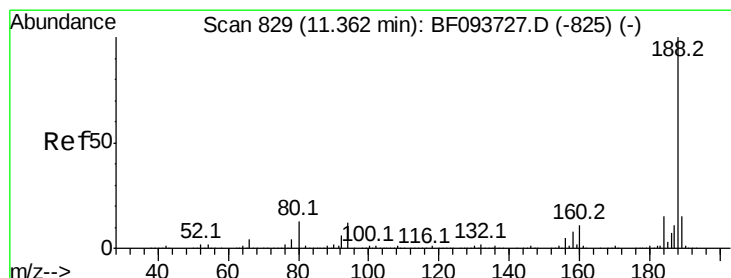
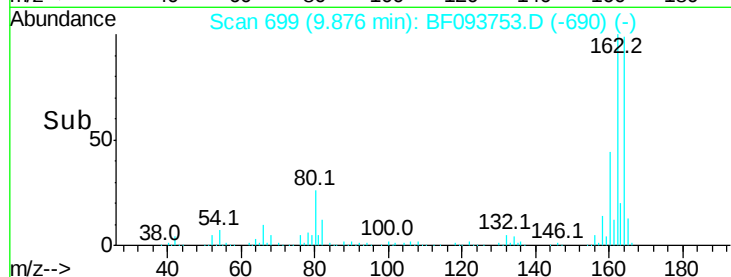
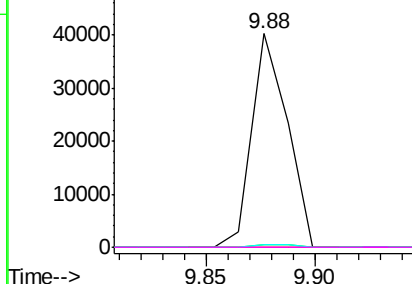
#56
2,4-Dinitrotoluene
Concen: 6.66 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.19 min
Lab File: BF093753.D
Acq: 18 Mar 2017 14:55

Instrument :
BNA_F
ClientSampleId :
41B-9-11

Tot Ion:165 Resp: 45615
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#

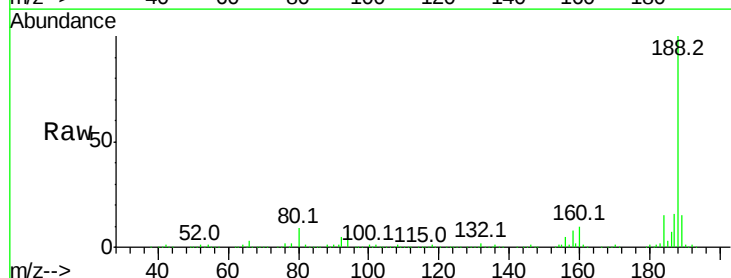


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

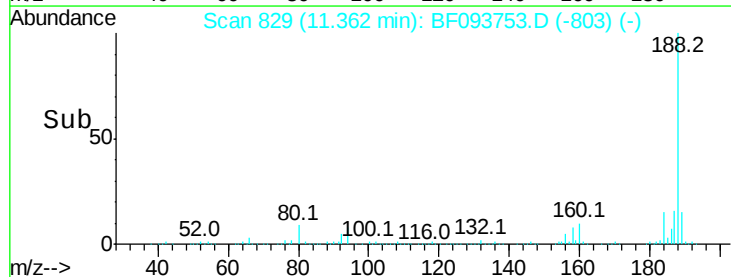
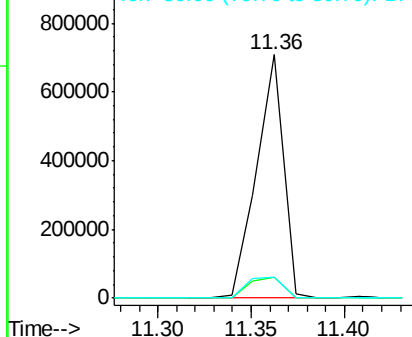


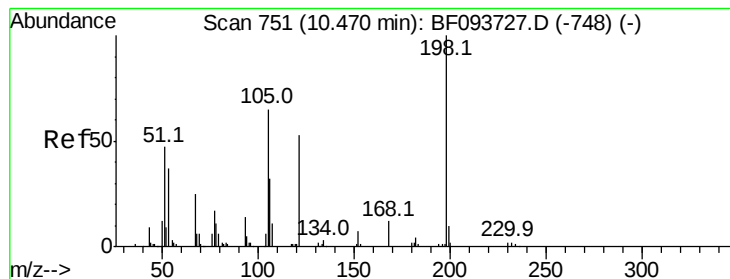
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 829
Delta R.T. 0.00 min
Lab File: BF093753.D
Acq: 18 Mar 2017 14:55

Tgt Ion:188 Resp: 704076
Ion Ratio Lower Upper
188 100
94 8.4 9.4 14.2#
80 8.6 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: 4.08 ng

RT: 10.67 min Scan# 768

Delta R.T. 0.20 min

Lab File: BF093753.D

Acq: 18 Mar 2017 14:55

Instrument :

BNA_F

ClientSampleId :

41B-9-11

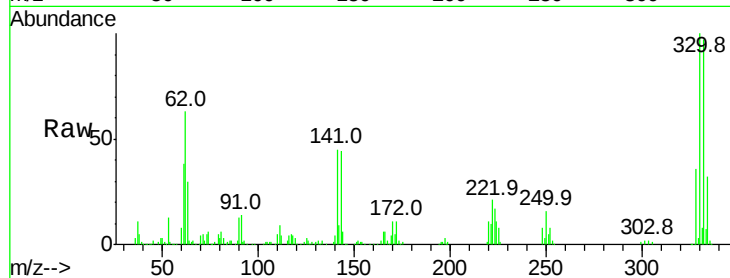
Tot Ion:198 Resp: 638

Ion Ratio Lower Upper

198 100

51 166.1 53.2 93.2#

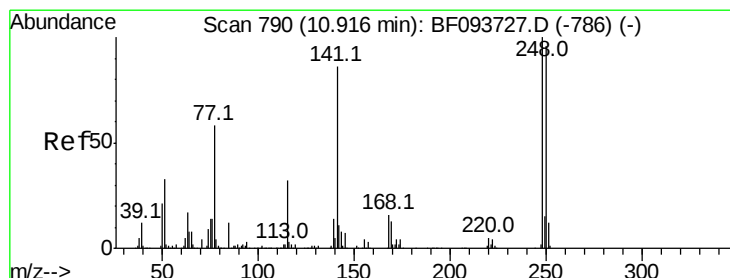
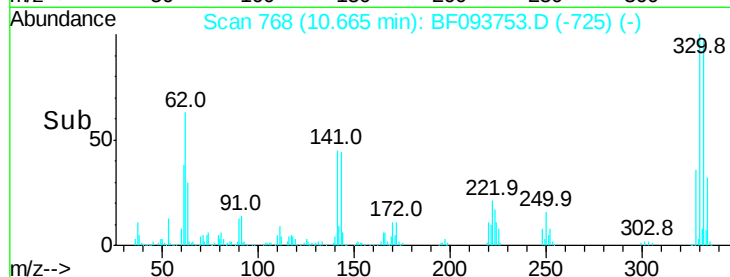
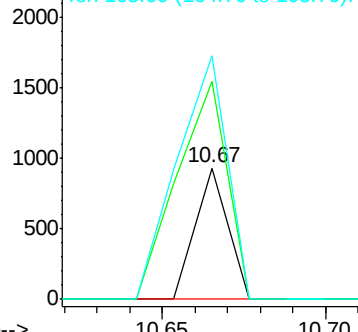
105 185.8 45.8 85.8#



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: 3.06 ng

RT: 10.67 min Scan# 768

Delta R.T. -0.25 min

Lab File: BF093753.D

Acq: 18 Mar 2017 14:55

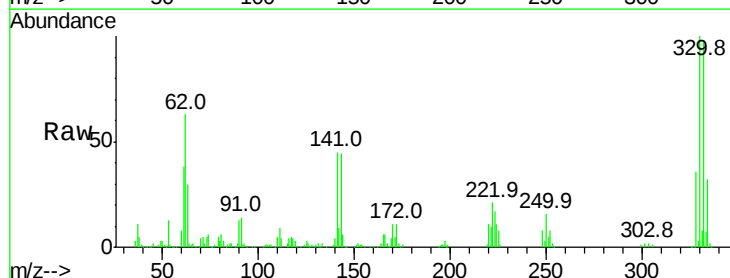
Tgt Ion:248 Resp: 20373

Ion Ratio Lower Upper

248 100

250 200.4 76.8 115.2#

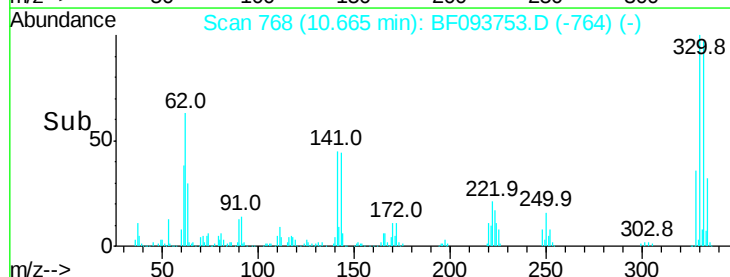
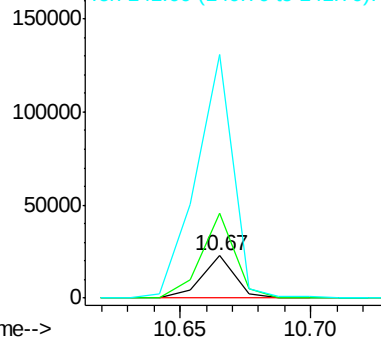
141 573.3 68.6 103.0#

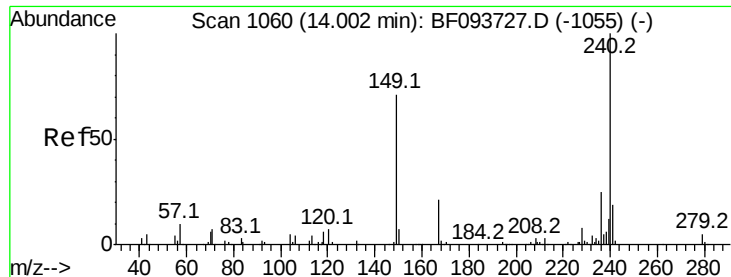


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF093753.D

Acq: 18 Mar 2017 14:55

Instrument :

BNA_F

ClientSampleId :

41B-9-11

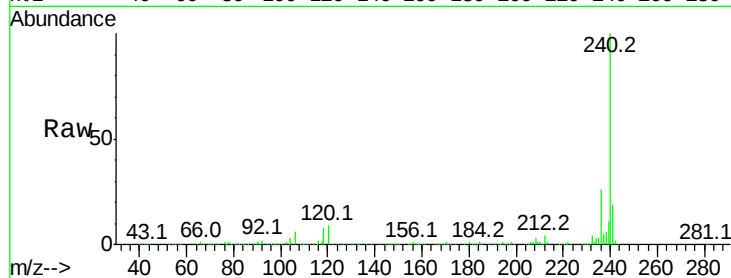
Tot Ion:240 Resp: 592240

Ion Ratio Lower Upper

240 100

120 9.1 5.8 8.8#

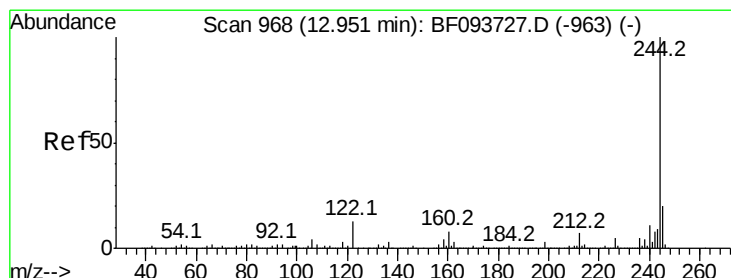
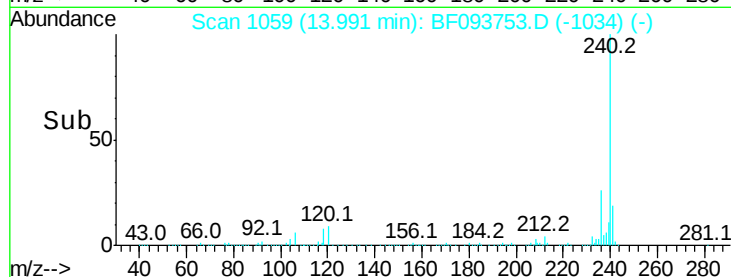
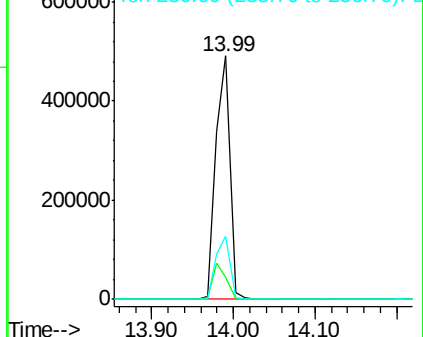
236 25.9 20.5 30.7



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: 53.51 ng

RT: 12.95 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF093753.D

Acq: 18 Mar 2017 14:55

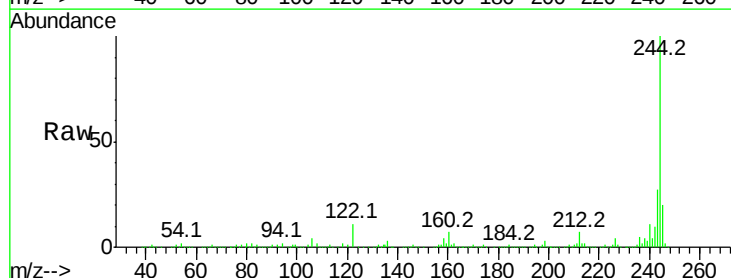
Tgt Ion:244 Resp: 1472299

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

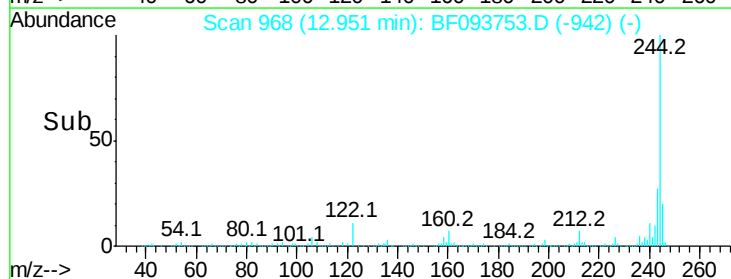
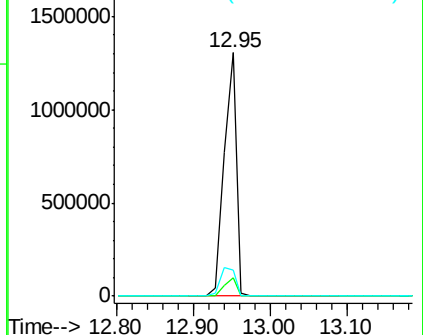
122 10.8 10.3 15.5

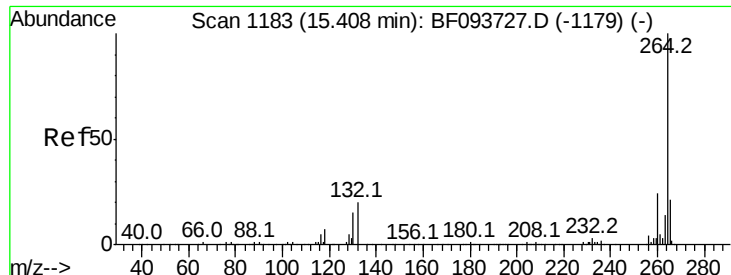


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

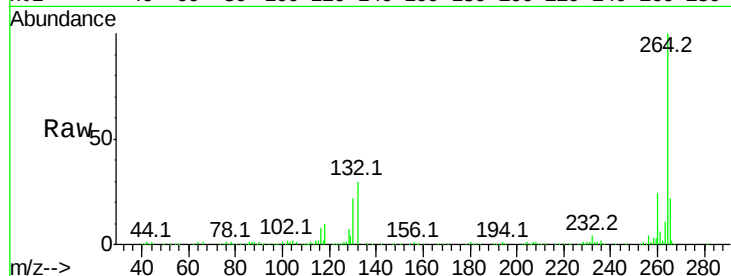




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF093753.D
 Acq: 18 Mar 2017 14:55

Instrument :
 BNA_F
 ClientSampleId :
 41B-9-11

Tot Ion: 264 Resp: 446736
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 21.8 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

