

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
 Data File : BF093778.D
 Acq On : 20 Mar 2017 21:42
 Operator : SJ/MA
 Sample : I2304-07 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPA-B4(0-5)

Quant Time: Mar 21 01:06:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 16:03:59 2017
 Response via : Initial Calibration

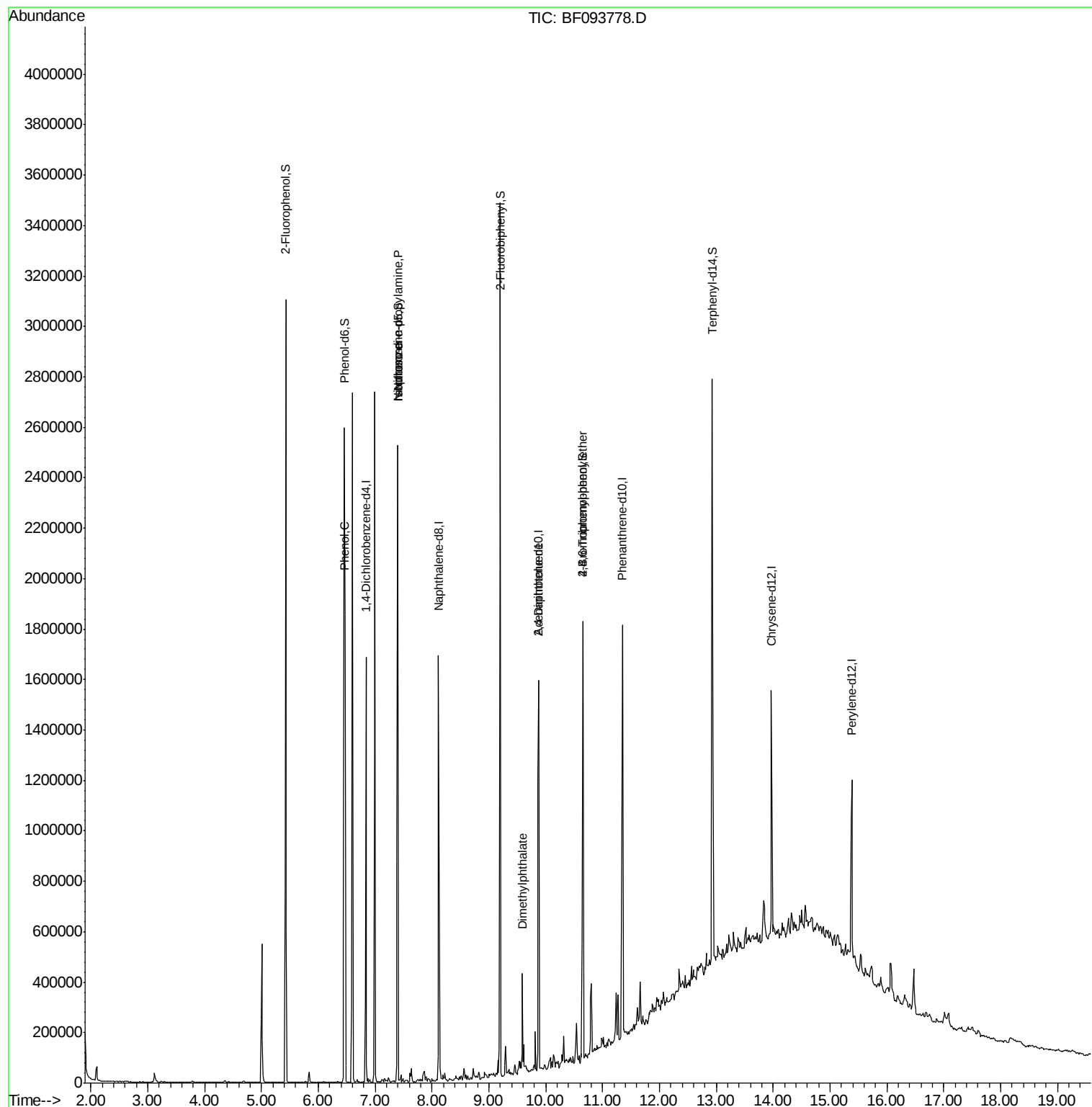
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	245953	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	882548	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	399926	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	657689	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	402435	20.00	ng	-0.03
86) Perylene-d12	15.39	264	368208	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	919368	65.37	ng	-0.01
7) Phenol-d6	6.46	99	1269682	73.06	ng	-0.02
23) Nitrobenzene-d5	7.40	82	822066	52.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	177422	57.28	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	1342350	56.44	ng	-0.01
78) Terphenyl-d14	12.93	244	742073	37.60	ng	-0.02
Target Compounds						
10) Phenol	6.47	94	60843	3.11	ng	# 55
19) n-Nitroso-di-n-propylamine	7.40	70	109672	9.63	ng	# 78
25) Isophorone	7.40	82	808536	29.34	ng	# 67
49) Dimethylphthalate	9.59	163	146848	5.16	ng	# 97
56) 2,4-Dinitrotoluene	9.88	165	54247	6.84	ng	# 34
66) 4-Bromophenyl-phenylether	10.65	248	13129	2.07	ng	# 1

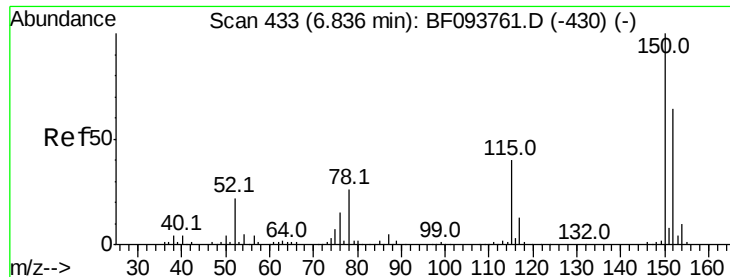
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF093778.D

Acq: 20 Mar 2017 21:42

Instrument :

BNA_F

ClientSampleId :

SPA-B4(0-5)

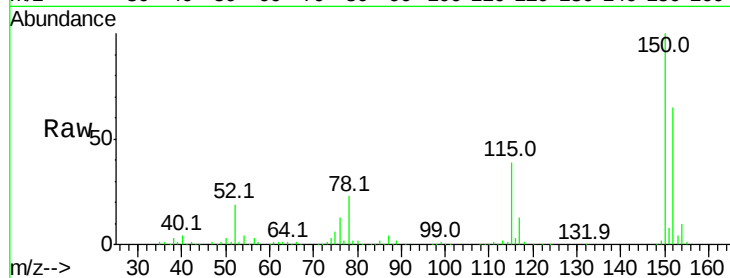
Tot Ion:152 Resp: 245953

Ion Ratio Lower Upper

152 100

150 153.2 126.2 189.2

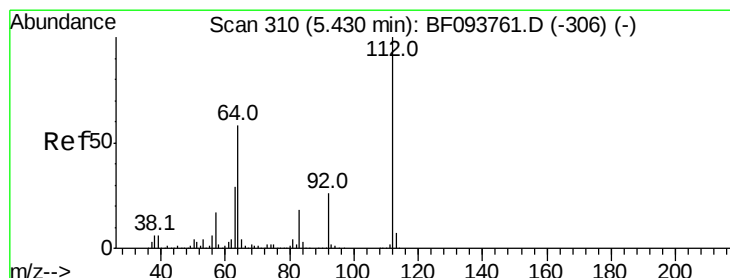
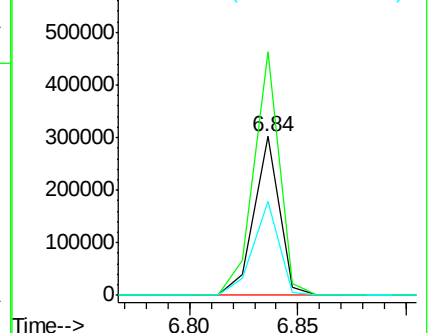
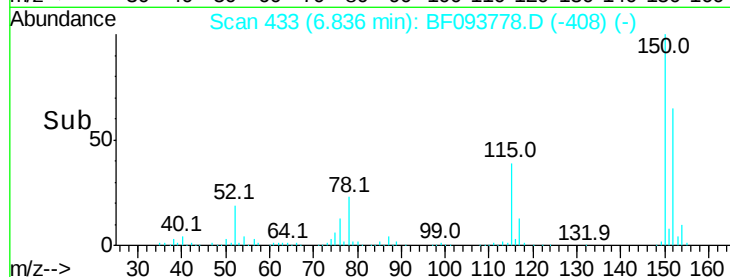
115 59.2 52.2 78.2



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: 65.37 ng

RT: 5.43 min Scan# 310

Delta R.T. -0.01 min

Lab File: BF093778.D

Acq: 20 Mar 2017 21:42

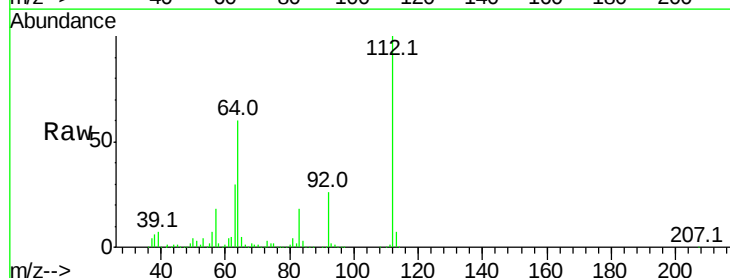
Tgt Ion:112 Resp: 919368

Ion Ratio Lower Upper

112 100

64 60.2 46.0 69.0

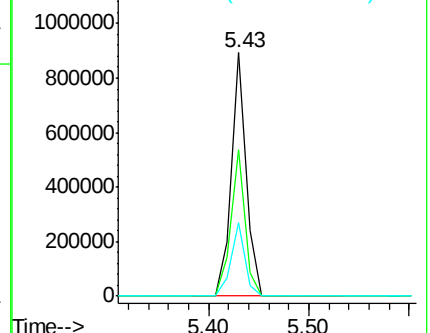
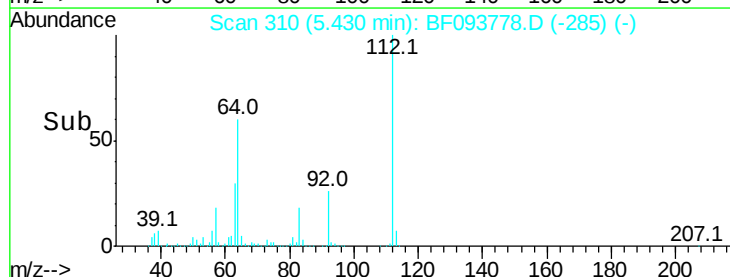
63 30.1 23.4 35.0

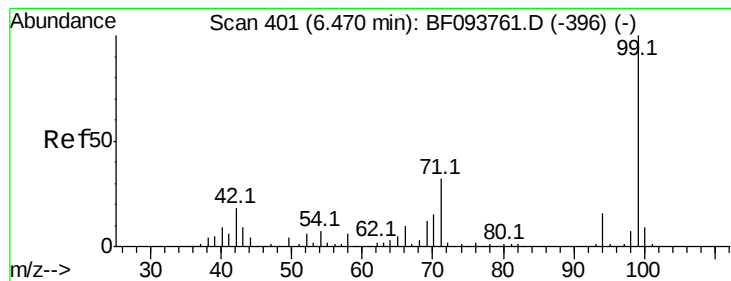


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 73.06 ng

RT: 6.46 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF093778.D

Acq: 20 Mar 2017 21:42

Instrument :

BNA_F

ClientSampleId :

SPA-B4(0-5)

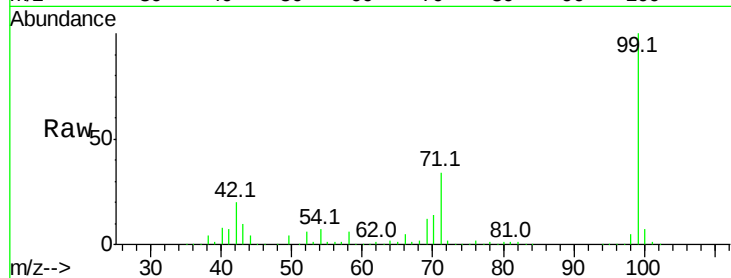
Tot Ion: 99 Resp: 1269682

Ion Ratio Lower Upper

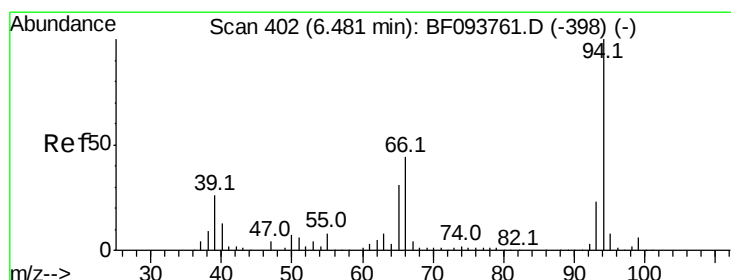
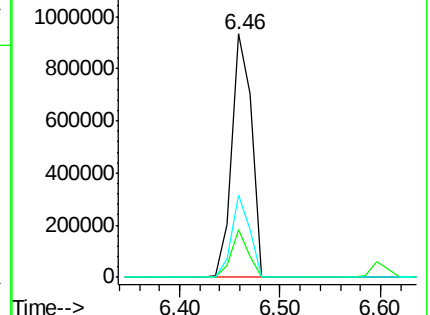
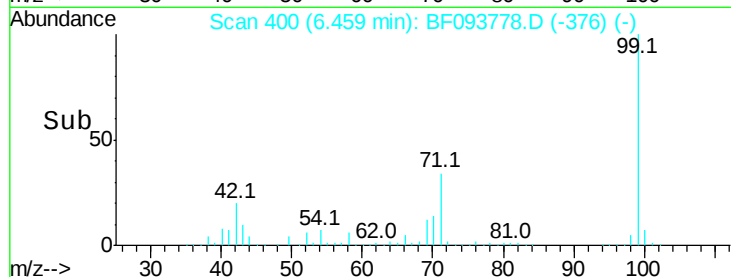
99 100

42 19.8 13.5 20.3

71 33.7 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: 3.11 ng

RT: 6.47 min Scan# 401

Delta R.T. -0.02 min

Lab File: BF093778.D

Acq: 20 Mar 2017 21:42

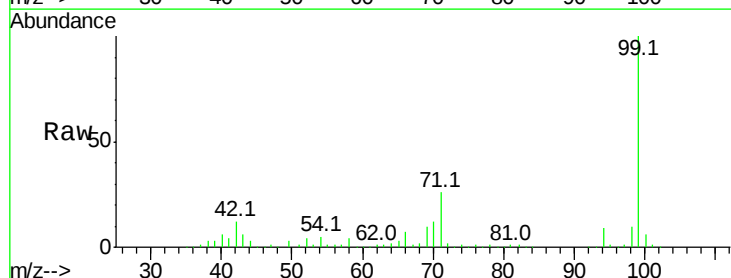
Tgt Ion: 94 Resp: 60843

Ion Ratio Lower Upper

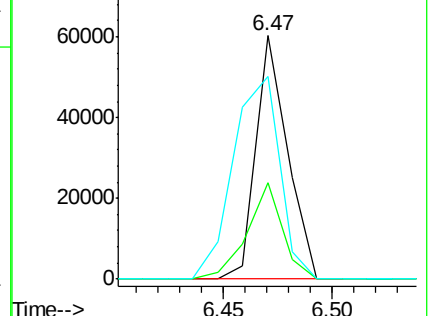
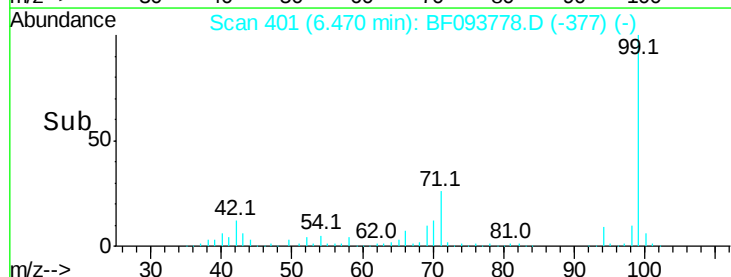
94 100

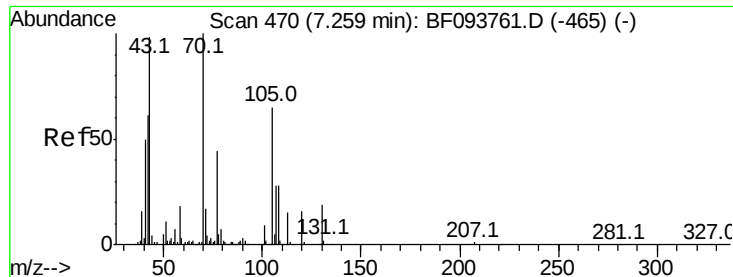
65 39.8 9.9 49.9

66 83.4 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

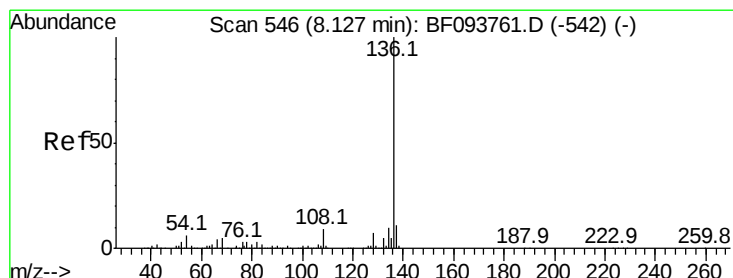
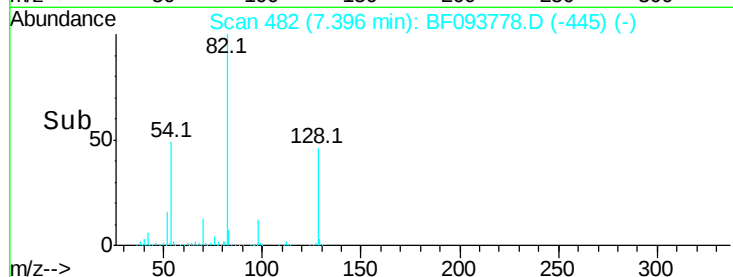
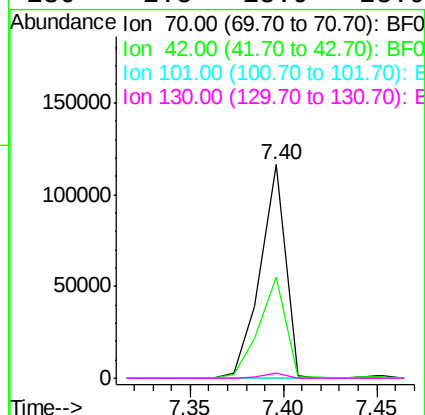
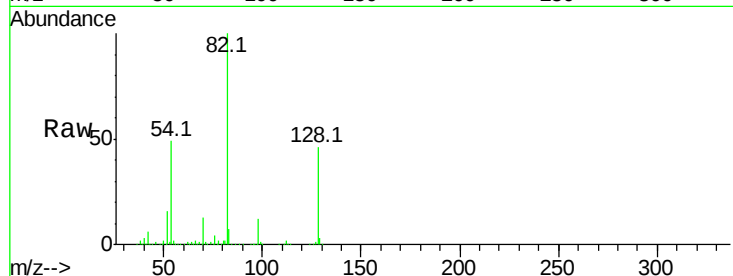




#19
n-Nitroso-di-n-propylamine
Concen: 9.63 ng
RT: 7.40 min Scan# 482
Delta R.T. 0.13 min
Lab File: BF093778.D
Acq: 20 Mar 2017 21:42

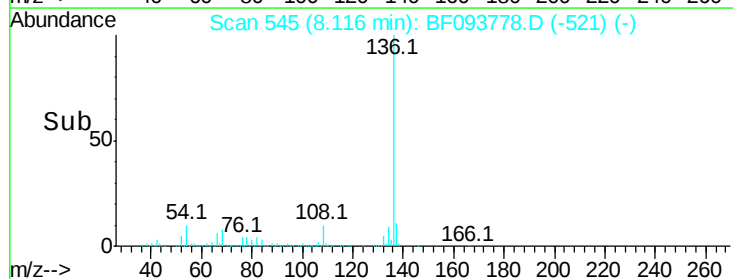
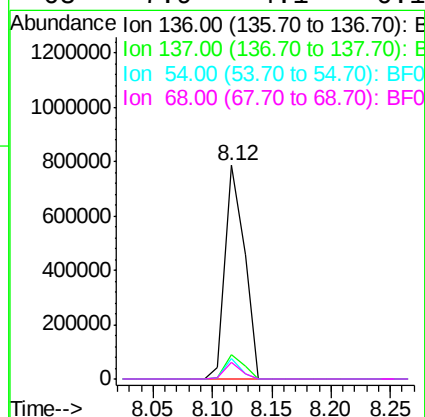
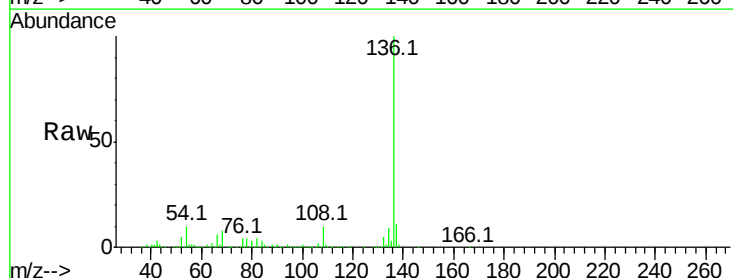
Instrument :
BNA_F
ClientSampleId :
SPA-B4(0-5)

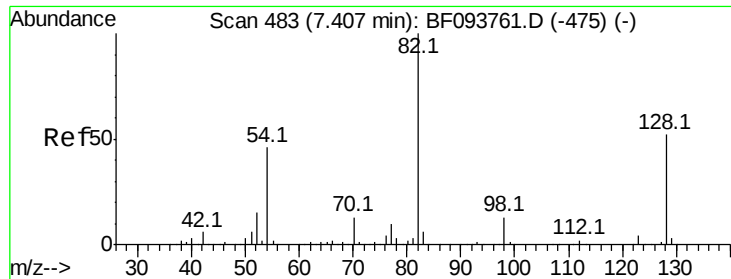
Tot Ion: 70 Resp: 109672
Ion Ratio Lower Upper
70 100
42 47.1 47.2 70.8#
101 0.0 7.2 10.8#
130 2.5 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 545
Delta R.T. -0.02 min
Lab File: BF093778.D
Acq: 20 Mar 2017 21:42

Tgt Ion: 136 Resp: 882548
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 9.8 4.9 7.3#
68 7.9 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 52.84 ng

RT: 7.40 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF093778.D

Acq: 20 Mar 2017 21:42

Instrument :

BNA_F

ClientSampleId :

SPA-B4(0-5)

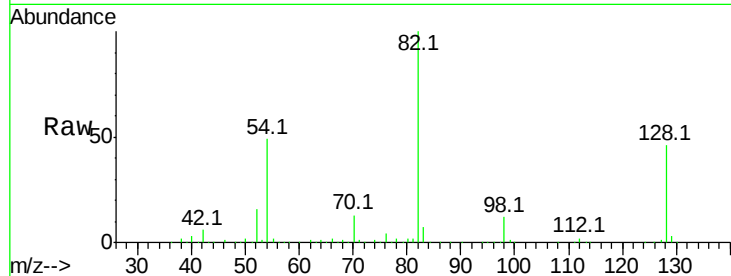
Tot Ion: 82 Resp: 822066

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

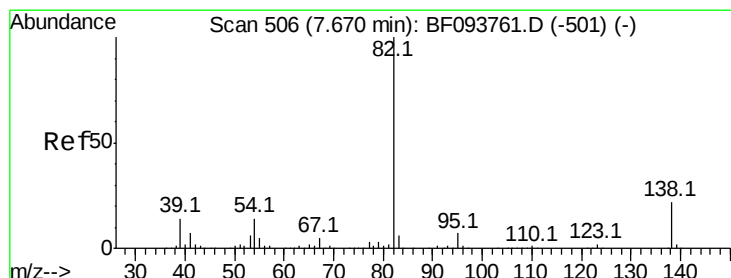
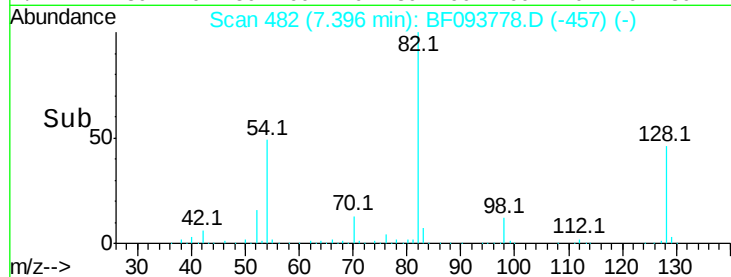
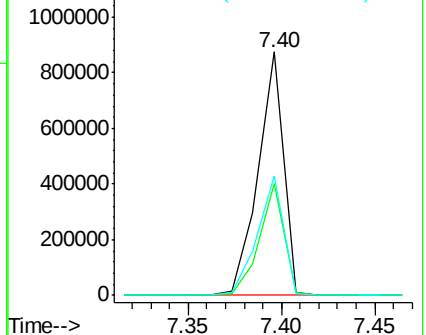
54 49.2 42.2 63.2



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: 29.34 ng

RT: 7.40 min Scan# 482

Delta R.T. -0.27 min

Lab File: BF093778.D

Acq: 20 Mar 2017 21:42

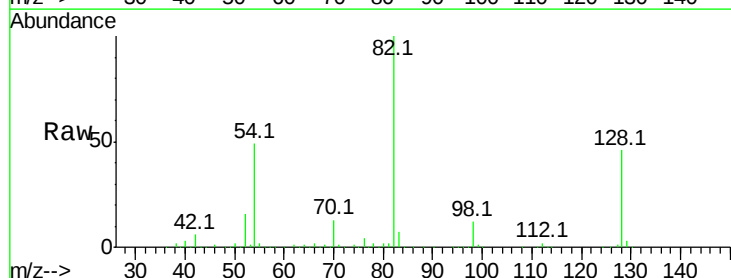
Tgt Ion: 82 Resp: 808536

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

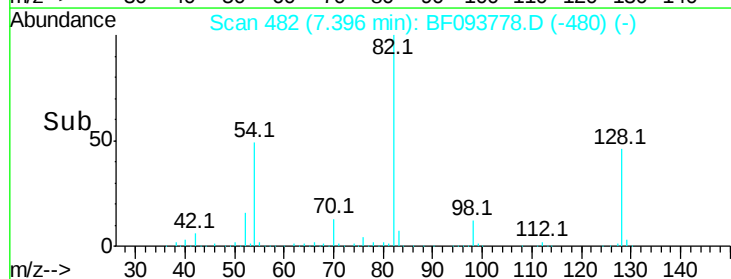
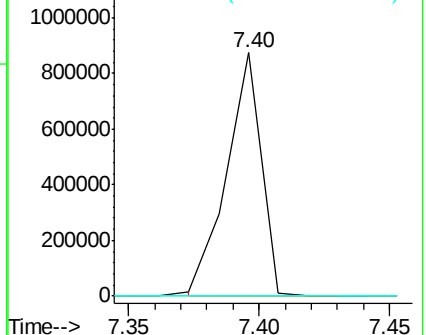
138 0.0 13.1 19.7#

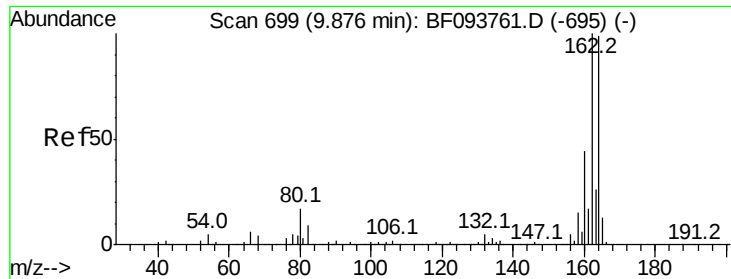


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF093778.D

Acq: 20 Mar 2017 21:42

Instrument :

BNA_F

ClientSampleId :

SPA-B4(0-5)

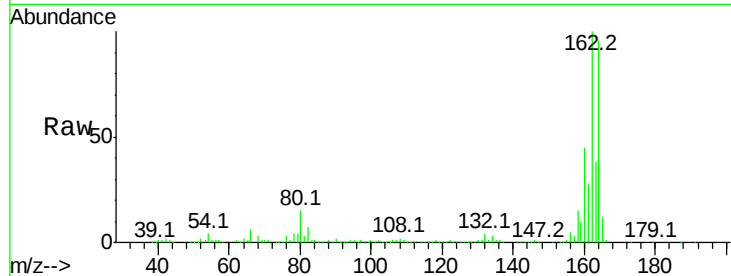
Tot Ion:164 Resp: 399926

Ion Ratio Lower Upper

164 100

162 104.1 82.6 123.8

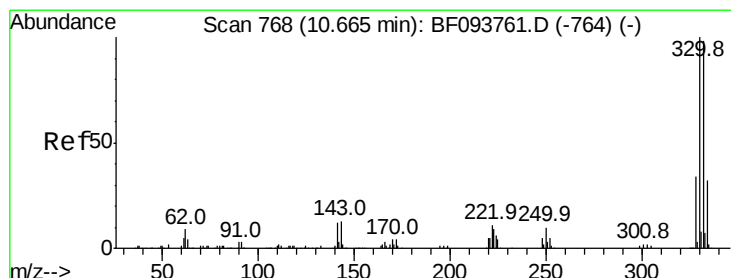
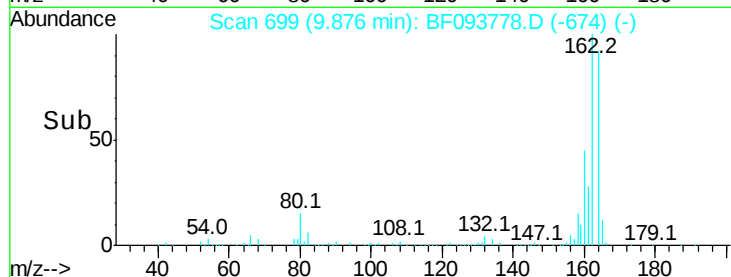
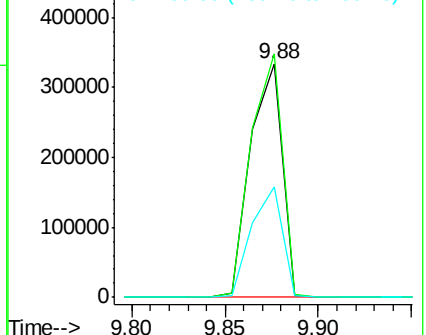
160 47.0 36.2 54.2



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: 57.28 ng

RT: 10.65 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF093778.D

Acq: 20 Mar 2017 21:42

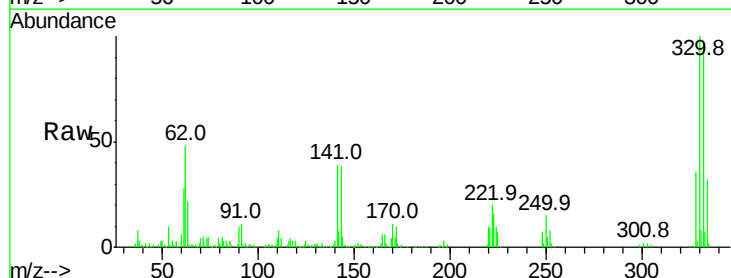
Tgt Ion:330 Resp: 177422

Ion Ratio Lower Upper

330 100

332 97.4 76.6 115.0

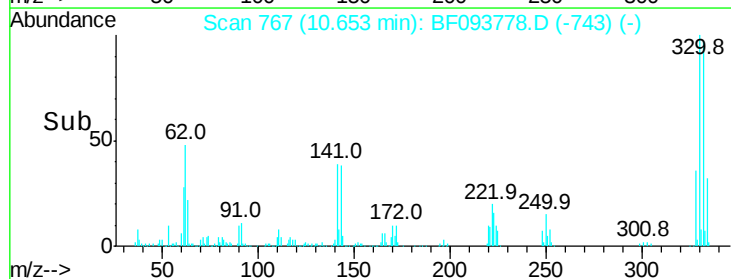
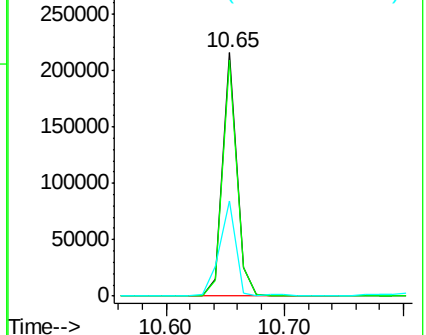
141 44.1 31.4 47.2

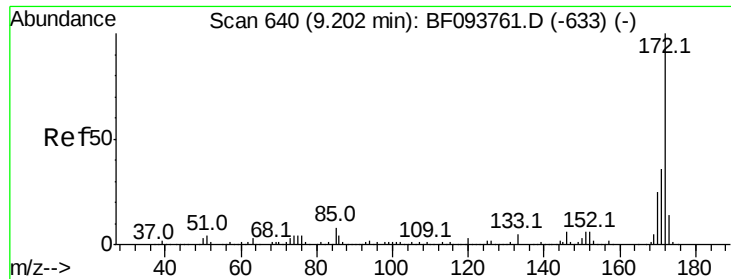


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

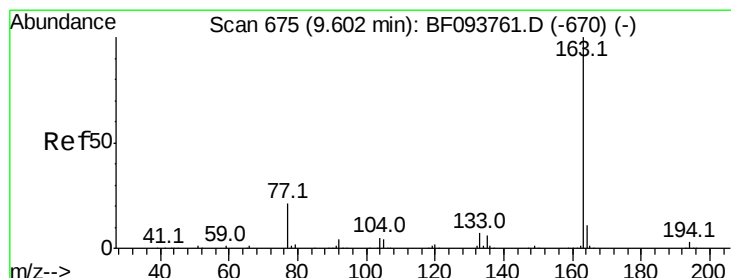
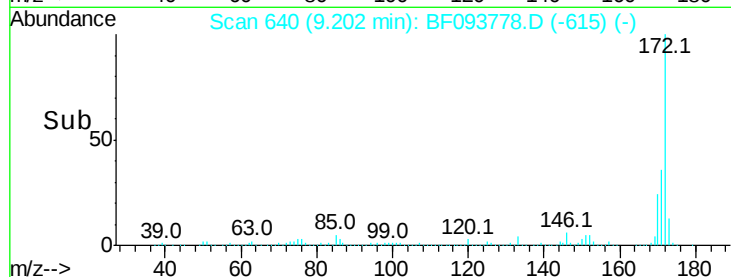
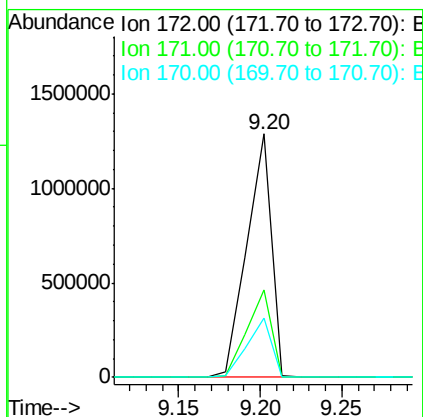
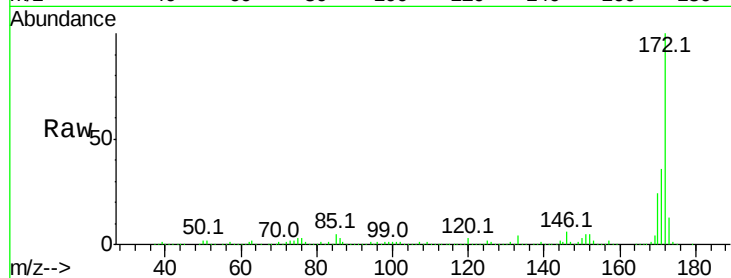




#44
2-Fluorobiphenyl
Concen: 56.44 ng
RT: 9.20 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF093778.D
Acq: 20 Mar 2017 21:42

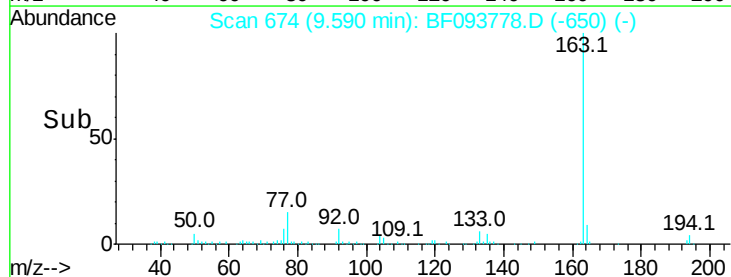
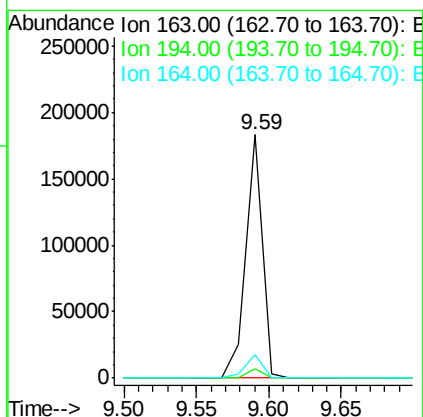
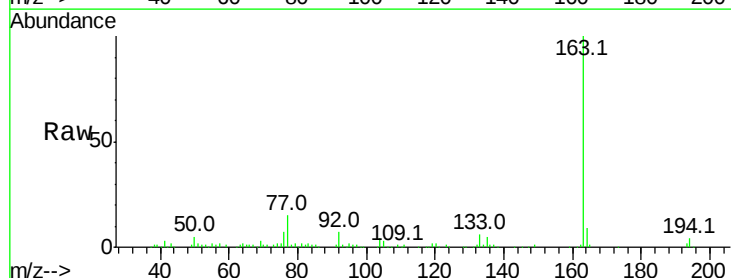
Instrument :
BNA_F
ClientSampleId :
SPA-B4(0-5)

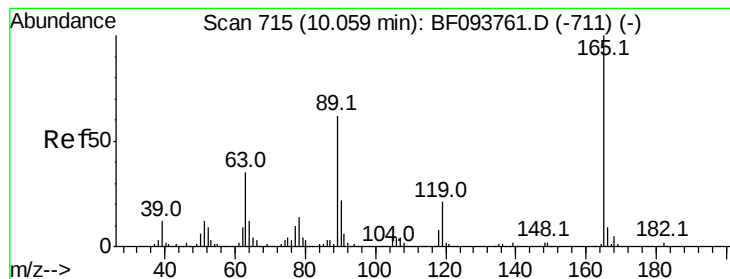
Tot Ion:172 Resp: 1342350
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.4 19.8 29.8



#49
Dimethylphthalate
Concen: 5.16 ng
RT: 9.59 min Scan# 674
Delta R.T. -0.02 min
Lab File: BF093778.D
Acq: 20 Mar 2017 21:42

Tgt Ion:163 Resp: 146848
Ion Ratio Lower Upper
163 100
194 4.1 2.6 4.0#
164 9.5 8.4 12.6





#56

2,4-Dinitrotoluene

Concen: 6.84 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.19 min

Lab File: BF093778.D

Acq: 20 Mar 2017 21:42

Instrument :

BNA_F

ClientSampleId :

SPA-B4(0-5)

Tot Ion:165 Resp: 54247

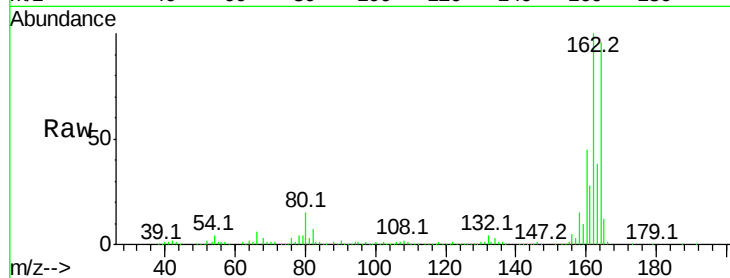
Ion Ratio Lower Upper

165 100

63 1.8 25.4 38.0#

89 2.0 46.4 69.6#

182 0.0 1.8 2.6#

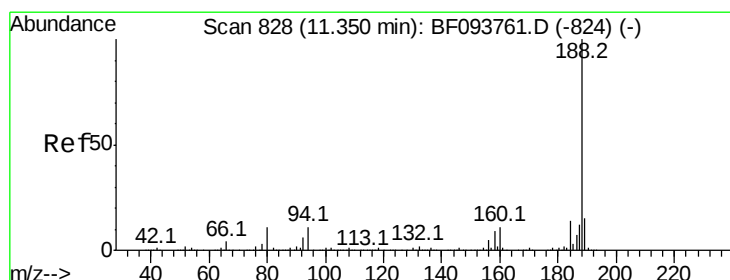
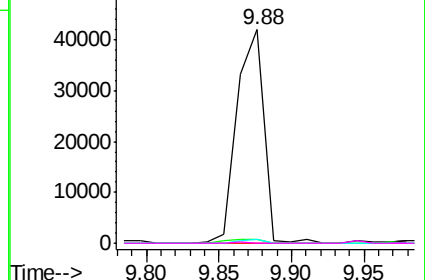
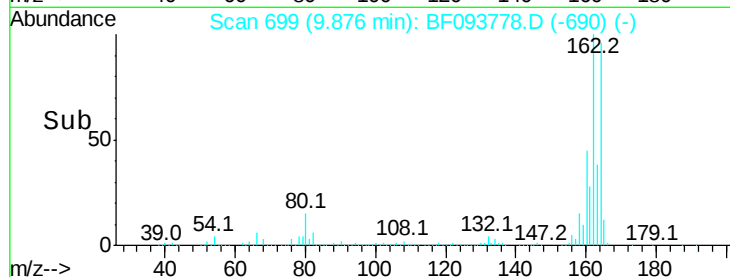


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.35 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF093778.D

Acq: 20 Mar 2017 21:42

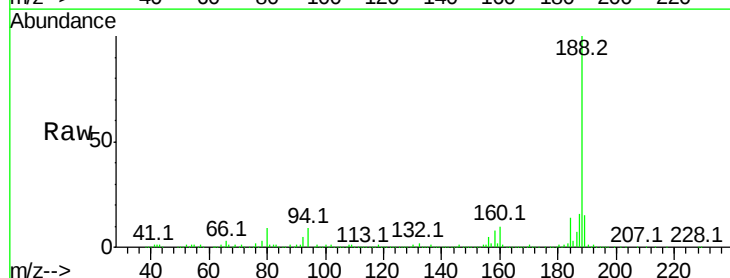
Tgt Ion:188 Resp: 657689

Ion Ratio Lower Upper

188 100

94 8.8 9.4 14.2#

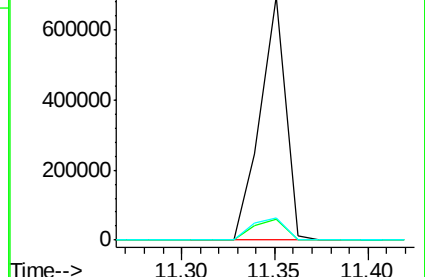
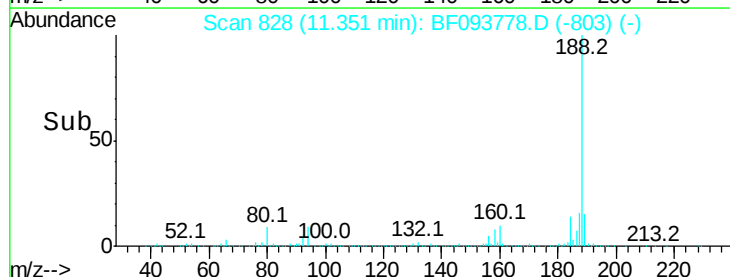
80 8.9 10.2 15.2#

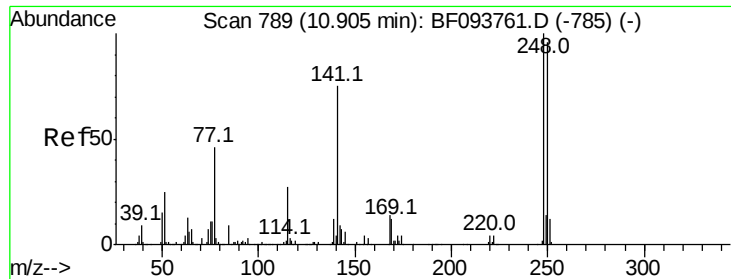


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.07 ng

RT: 10.65 min Scan# 767

Delta R.T. -0.26 min

Lab File: BF093778.D

Acq: 20 Mar 2017 21:42

Instrument :

BNA_F

ClientSampleId :

SPA-B4(0-5)

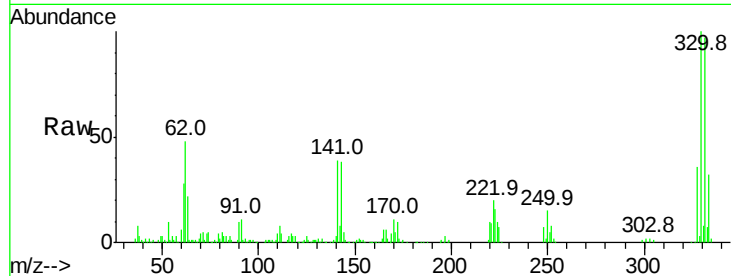
Tot Ion:248 Resp: 13129

Ion Ratio Lower Upper

248 100

250 206.6 76.8 115.2#

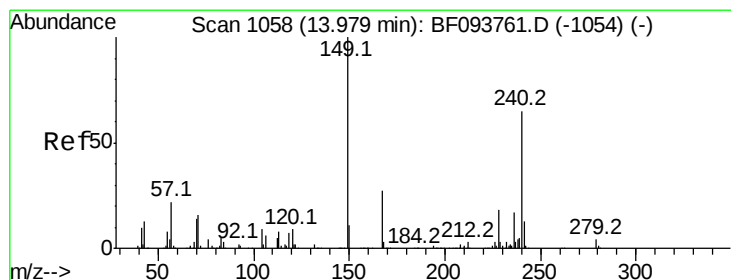
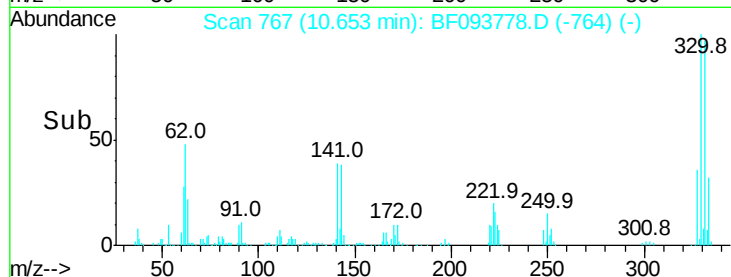
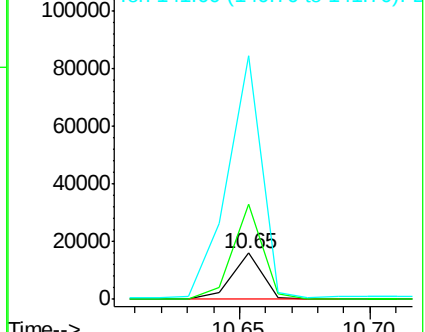
141 530.3 68.6 103.0#



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: 13.97 min Scan# 1057

Delta R.T. -0.03 min

Lab File: BF093778.D

Acq: 20 Mar 2017 21:42

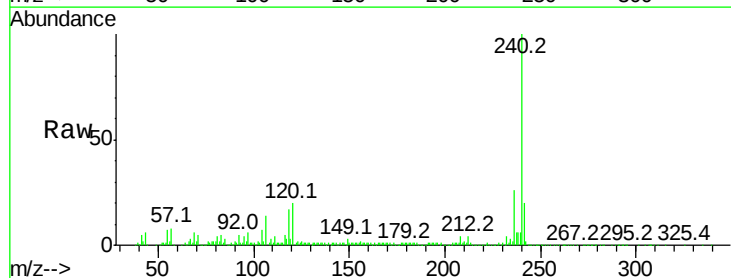
Tgt Ion:240 Resp: 402435

Ion Ratio Lower Upper

240 100

120 20.1 5.8 8.8#

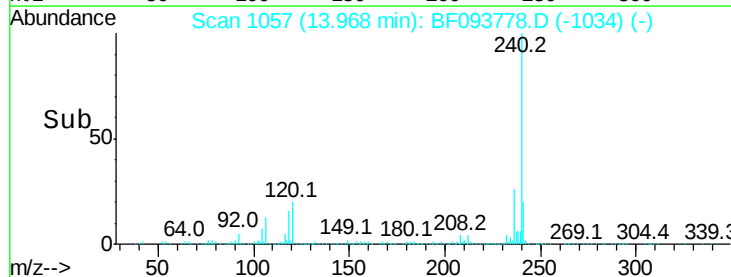
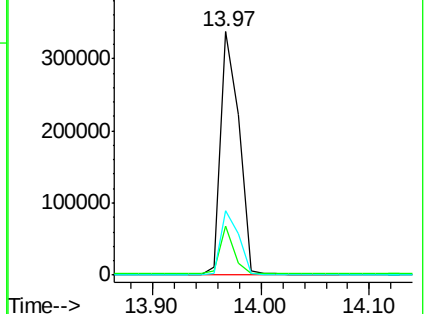
236 26.5 20.5 30.7

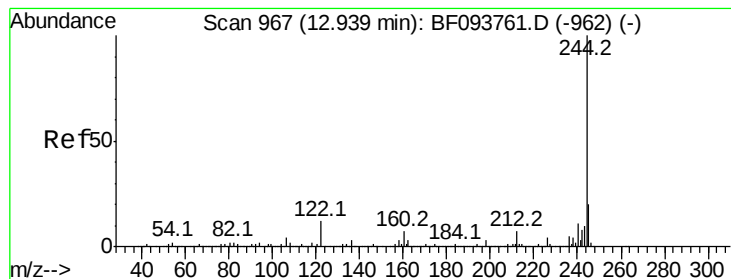


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 37.60 ng

RT: 12.93 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF093778.D

Acq: 20 Mar 2017 21:42

Instrument :

BNA_F

ClientSampleId :

SPA-B4(0-5)

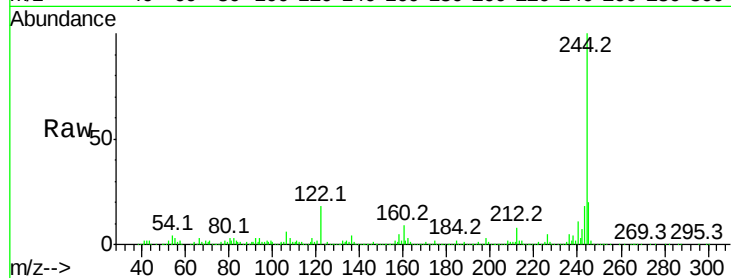
Tot Ion:244 Resp: 742073

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

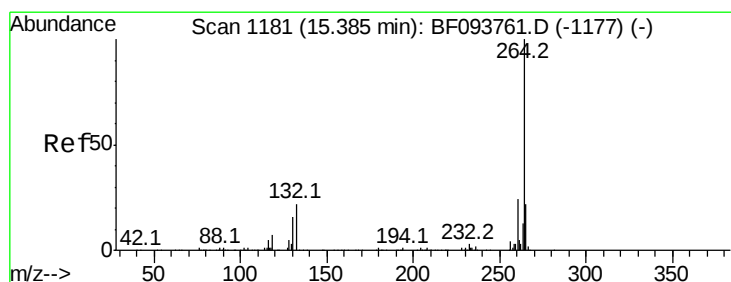
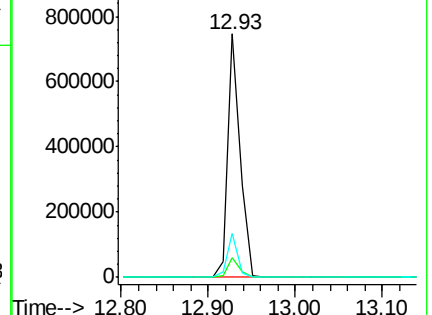
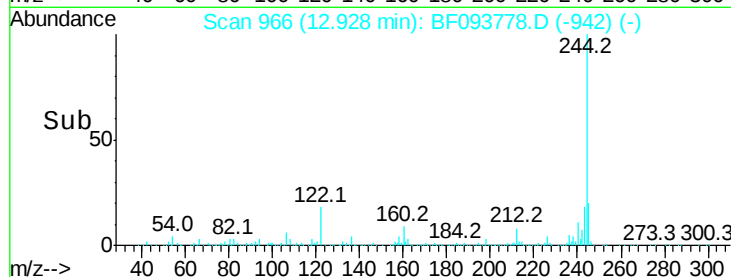
122 17.8 10.3 15.5#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.39 min Scan# 1181

Delta R.T. -0.02 min

Lab File: BF093778.D

Acq: 20 Mar 2017 21:42

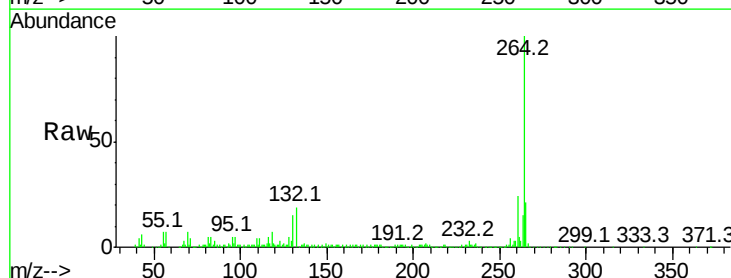
Tgt Ion:264 Resp: 368208

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 21.1 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

