

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
 Data File : BF093772.D
 Acq On : 20 Mar 2017 18:57
 Operator : SJ/MA
 Sample : I2304-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

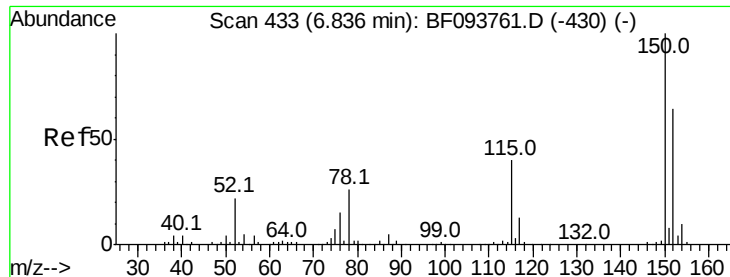
Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)

Quant Time: Mar 21 01:04:29 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	250093	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	925728	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	437564	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	705663	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	418058	20.00	ng	-0.03
86) Perylene-d12	15.38	264	379517	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1892526	132.33	ng	0.00
7) Phenol-d6	6.47	99	2467076	139.61	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1438201	88.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	464957	137.19	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	2039312	78.37	ng	-0.01
78) Terphenyl-d14	12.94	244	1492722	72.80	ng	-0.01
Target Compounds						
10) Phenol	6.48	94	107726	5.42	ng	# 65
19) n-Nitroso-di-n-propylamine	7.40	70	193570	16.72	ng	# 80
25) Isophorone	7.40	82	1418731	49.07	ng	# 67
49) Dimethylphthalate	9.59	163	356838	11.46	ng	99
56) 2,4-Dinitrotoluene	9.88	165	58283	6.72	ng	# 34
66) 4-Bromophenyl-phenylether	10.65	248	29221	4.30	ng	# 1

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

```
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```

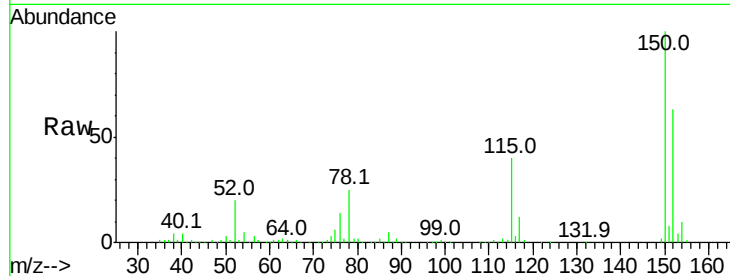


#1

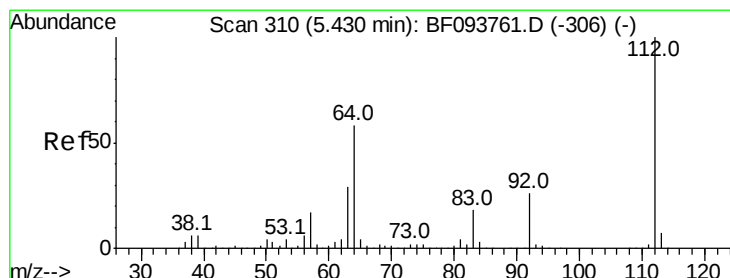
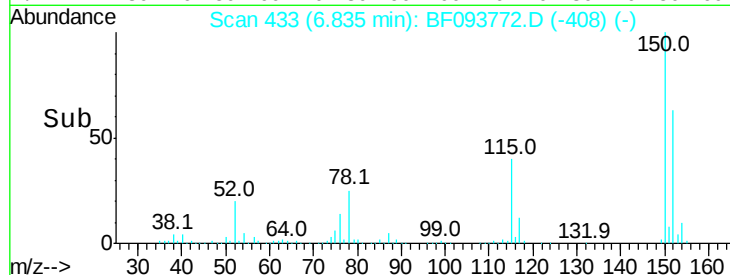
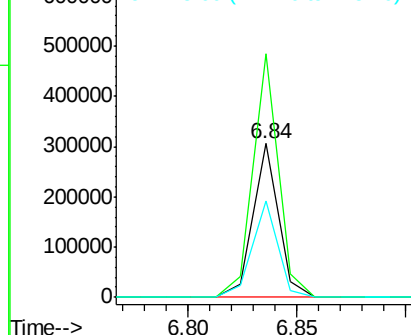
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 433
Delta R.T. -0.01 min
Lab File: BF093772.D
Acq: 20 Mar 2017 18:57

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)

Tot Ion:152 Resp: 250093
Ion Ratio Lower Upper
152 100
150 158.3 126.2 189.2
115 62.7 52.2 78.2



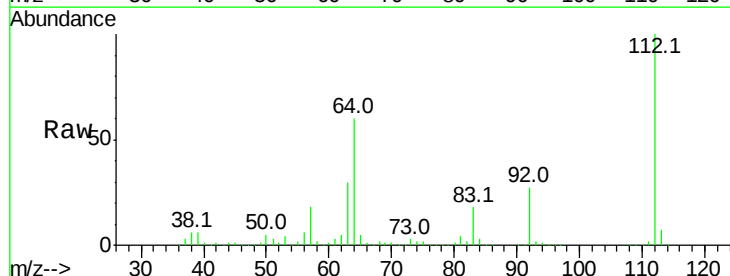
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



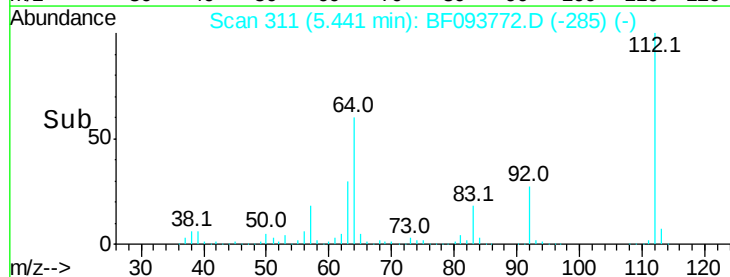
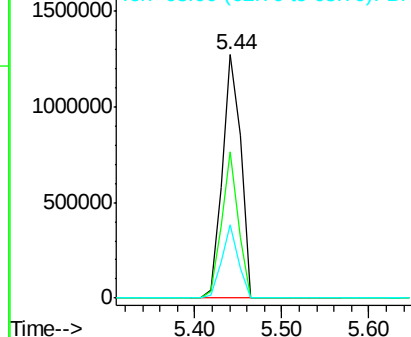
#5

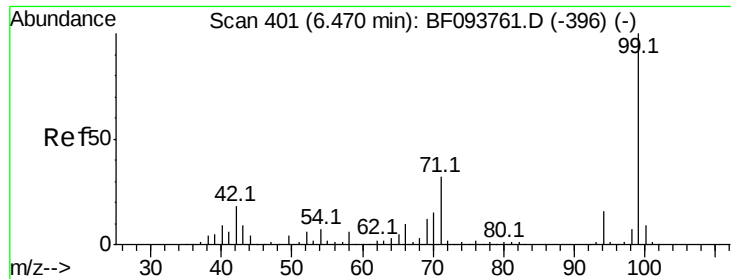
2-Fluorophenol
Concen: 132.33 ng
RT: 5.44 min Scan# 311
Delta R.T. 0.00 min
Lab File: BF093772.D
Acq: 20 Mar 2017 18:57

Tgt Ion:112 Resp: 1892526
Ion Ratio Lower Upper
112 100
64 59.9 46.0 69.0
63 30.3 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: 139.61 ng

RT: 6.47 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF093772.D

Acq: 20 Mar 2017 18:57

Instrument :

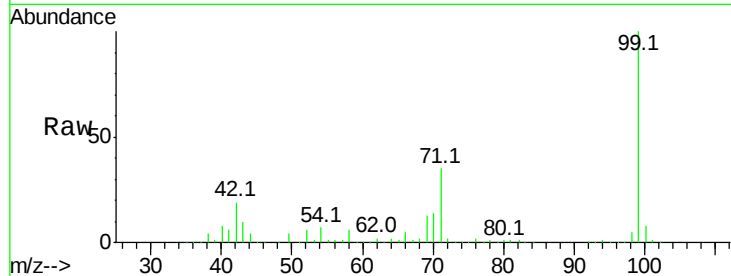
BNA_F

ClientSampleId :

SPA-B6(0-5)

Tot Ion: 99 Resp: 2467076

Ion	Ratio	Lower	Upper
99	100		
42	19.3	13.5	20.3
71	34.6	24.5	36.7

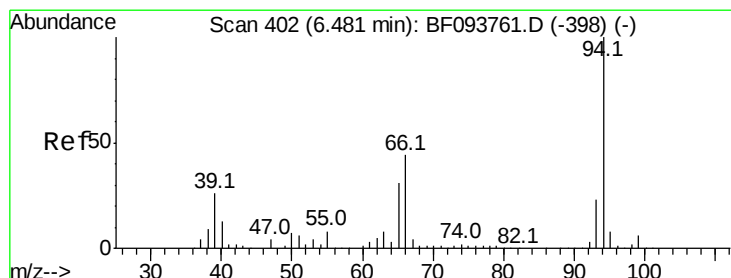
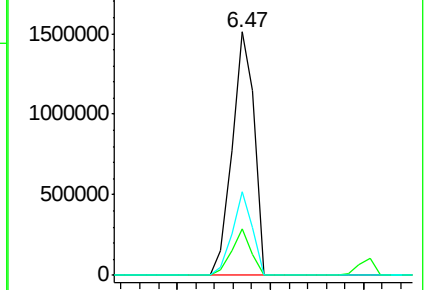
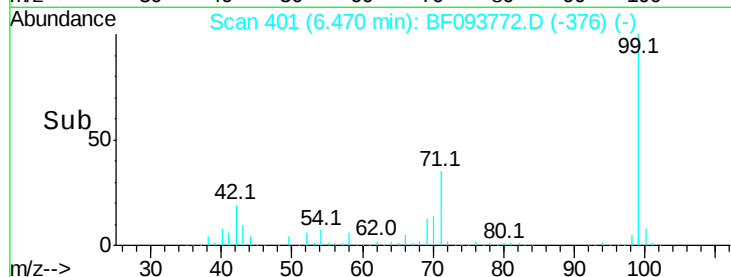


Abundance

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: 5.42 ng

RT: 6.48 min Scan# 402

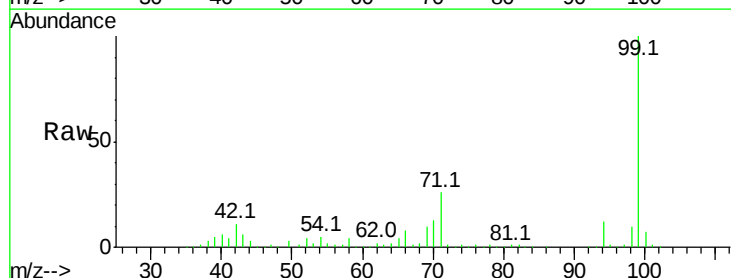
Delta R.T. -0.01 min

Lab File: BF093772.D

Acq: 20 Mar 2017 18:57

Tgt Ion: 94 Resp: 107726

Ion	Ratio	Lower	Upper
94	100		
65	38.8	9.9	49.9
66	73.7	23.1	63.1

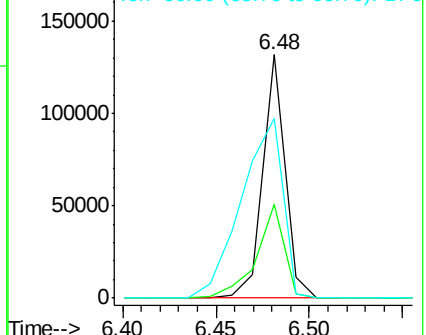
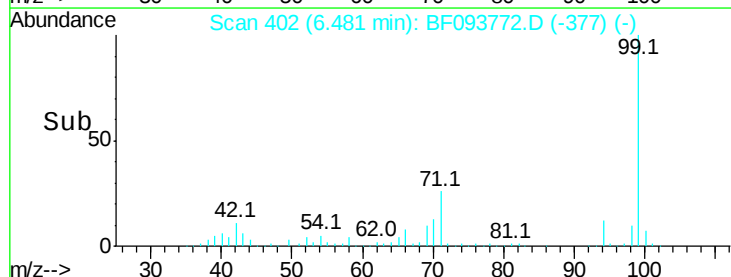


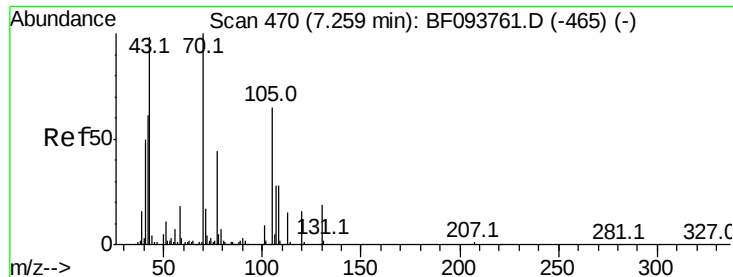
Abundance

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

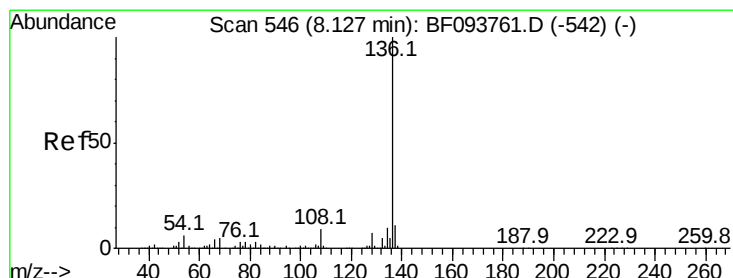
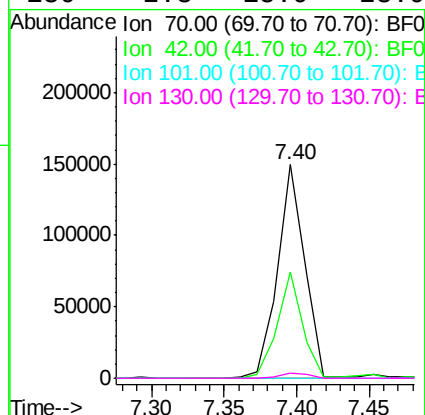
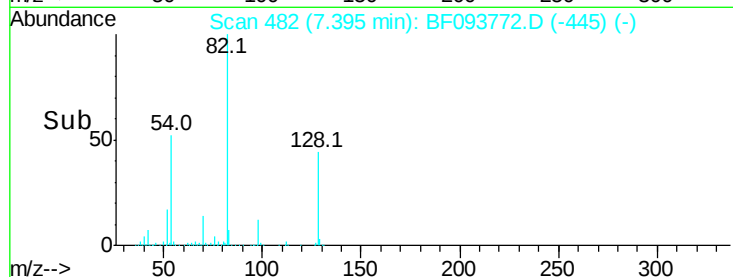
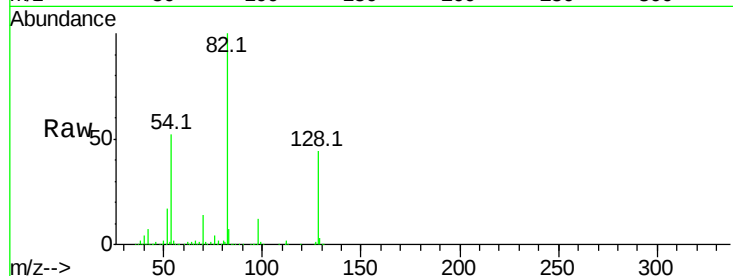




#19
n-Nitroso-di-n-propylamine
Concen: 16.72 ng
RT: 7.40 min Scan# 482
Delta R.T. 0.13 min
Lab File: BF093772.D
Acq: 20 Mar 2017 18:57

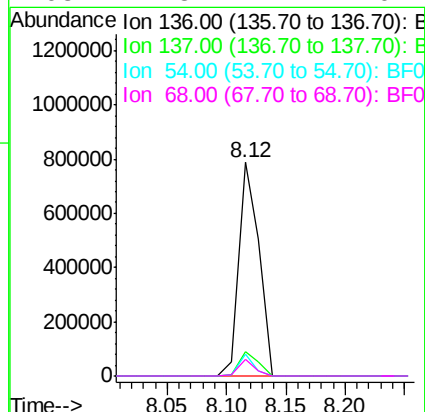
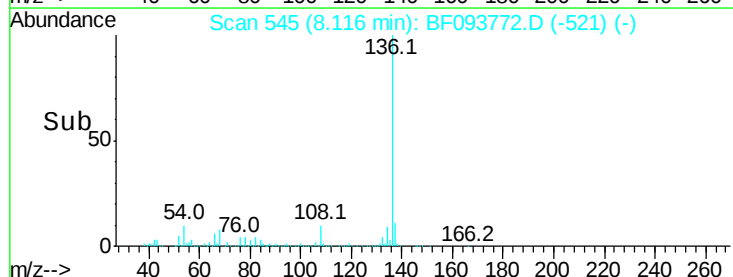
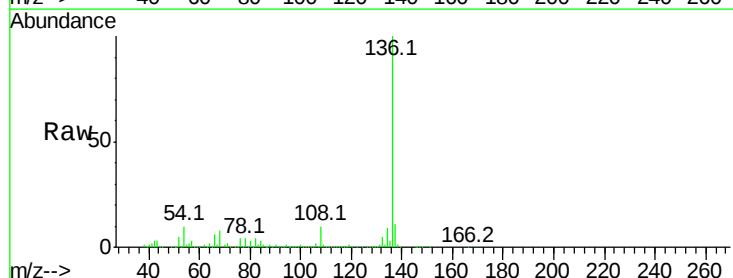
Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)

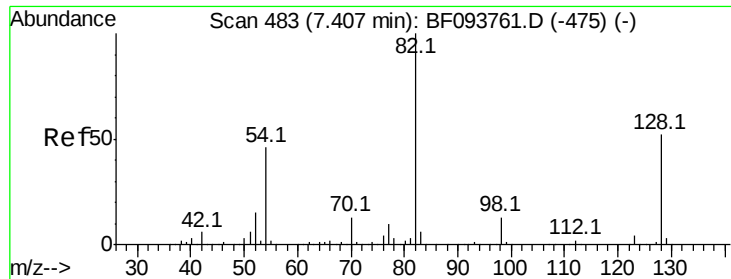
Tot Ion: 70 Resp: 193570
Ion Ratio Lower Upper
70 100
42 49.5 47.2 70.8
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 545
Delta R.T. -0.02 min
Lab File: BF093772.D
Acq: 20 Mar 2017 18:57

Tgt Ion:136 Resp: 925728
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 10.0 4.9 7.3#
68 7.8 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 88.13 ng

RT: 7.40 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF093772.D

Acq: 20 Mar 2017 18:57

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)

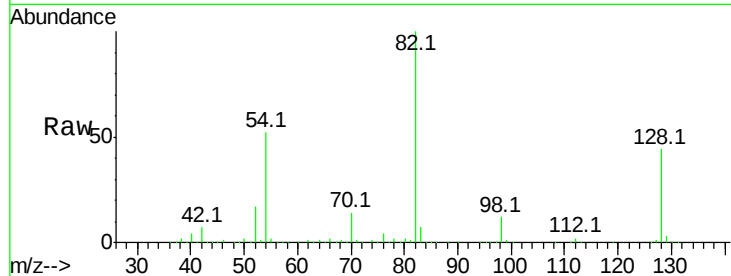
Tot Ion: 82 Resp: 1438201

Ion Ratio Lower Upper

82 100

128 44.1 34.0 51.0

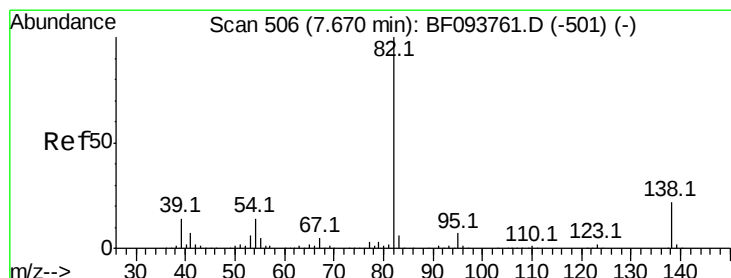
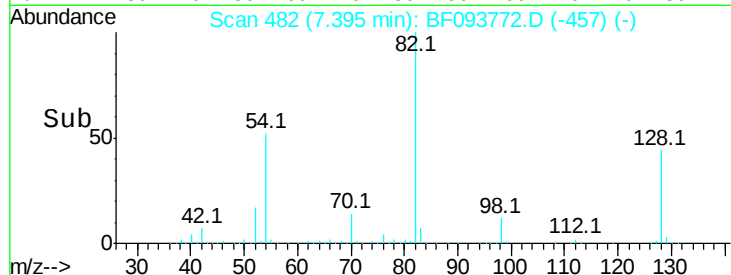
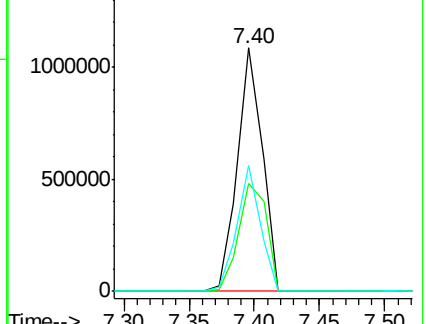
54 51.8 42.2 63.2



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: 49.07 ng

RT: 7.40 min Scan# 482

Delta R.T. -0.27 min

Lab File: BF093772.D

Acq: 20 Mar 2017 18:57

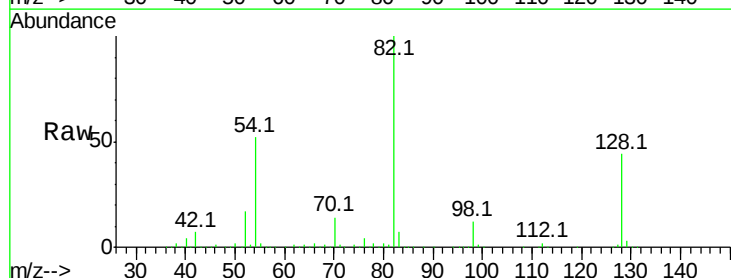
Tgt Ion: 82 Resp: 1418731

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

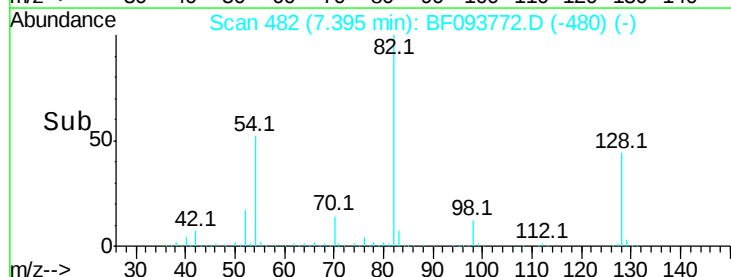
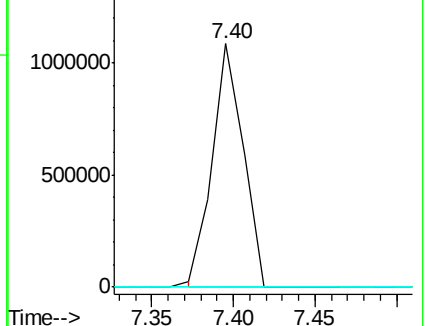
138 0.0 13.1 19.7#

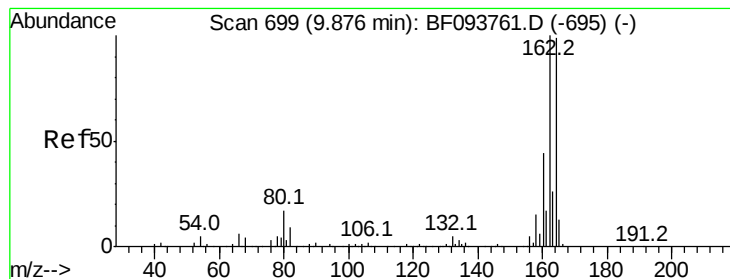


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF093772.D

Acq: 20 Mar 2017 18:57

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)

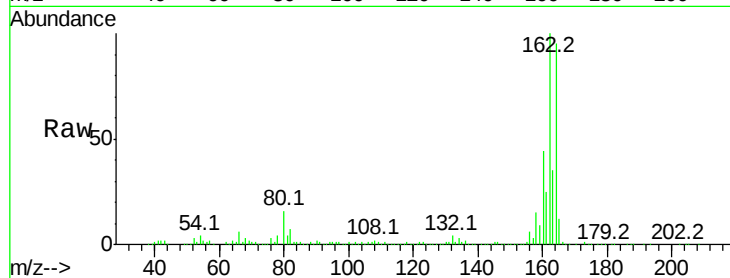
Tot Ion:164 Resp: 437564

Ion Ratio Lower Upper

164 100

162 105.1 82.6 123.8

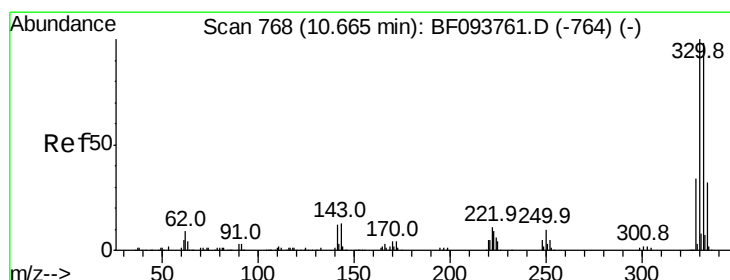
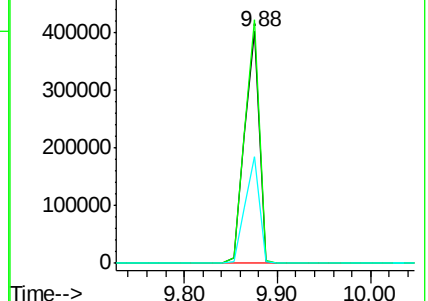
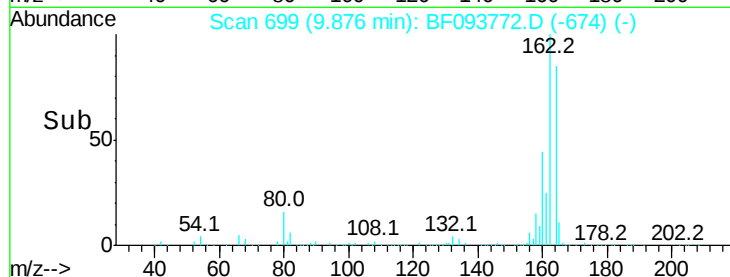
160 45.9 36.2 54.2



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: 137.19 ng

RT: 10.66 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF093772.D

Acq: 20 Mar 2017 18:57

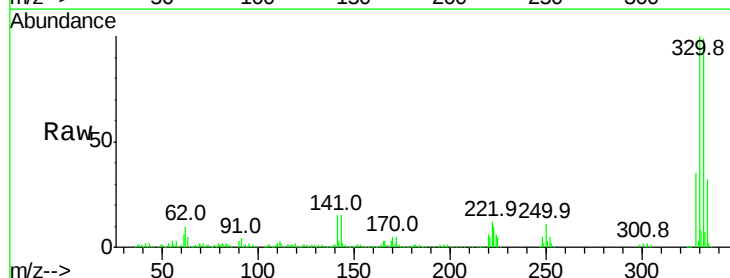
Tgt Ion:330 Resp: 464957

Ion Ratio Lower Upper

330 100

332 97.6 76.6 115.0

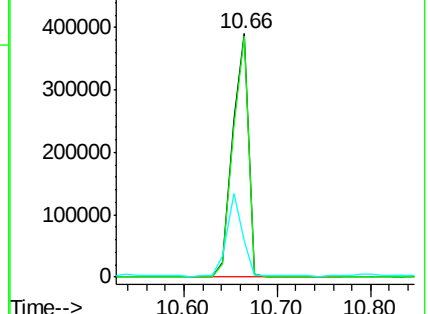
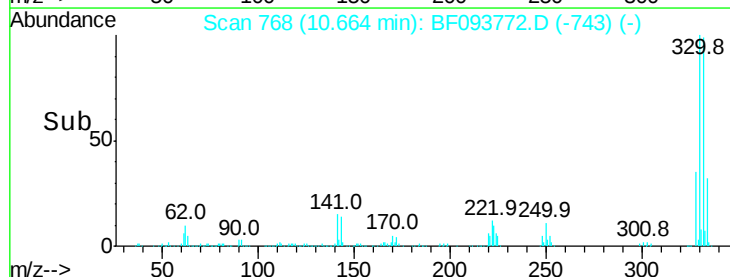
141 34.0 31.4 47.2

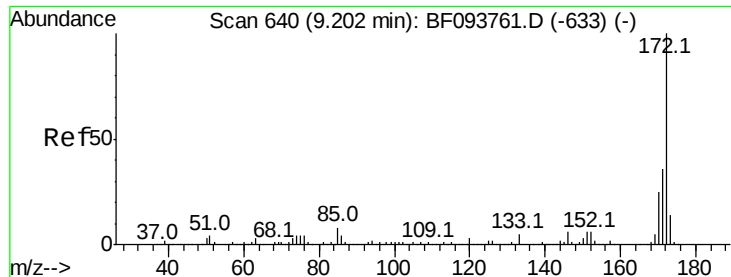


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

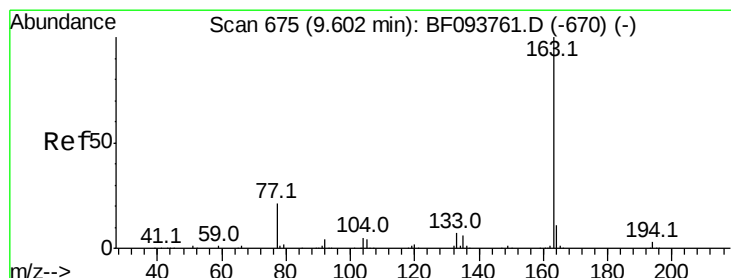
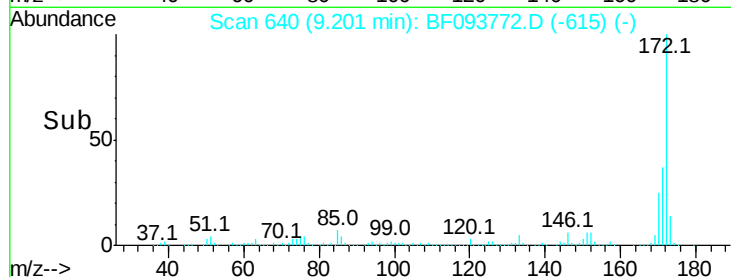
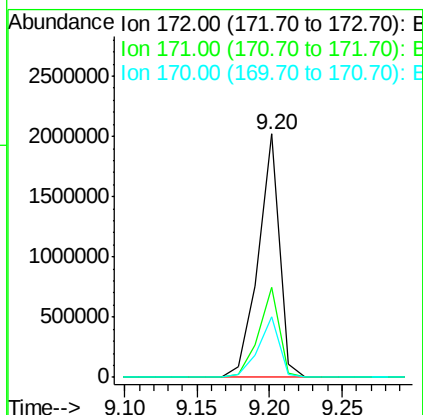
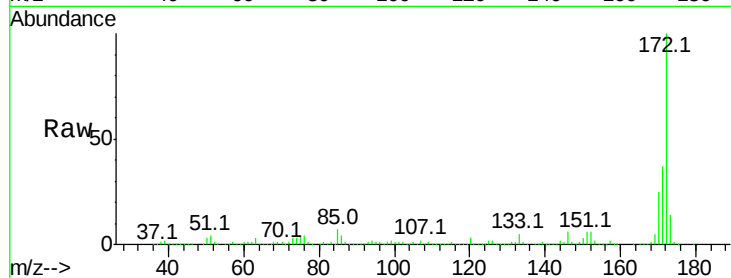




#44
2-Fluorobiphenyl
Concen: 78.37 ng
RT: 9.20 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF093772.D
Acq: 20 Mar 2017 18:57

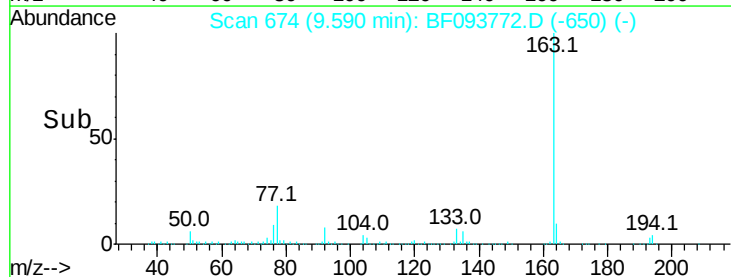
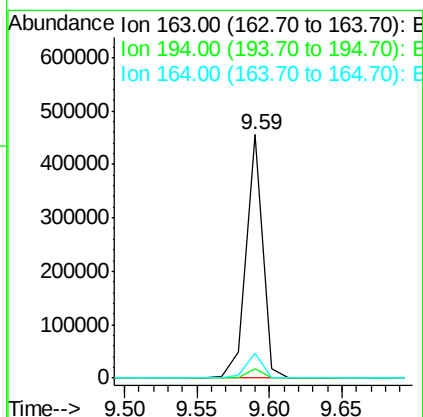
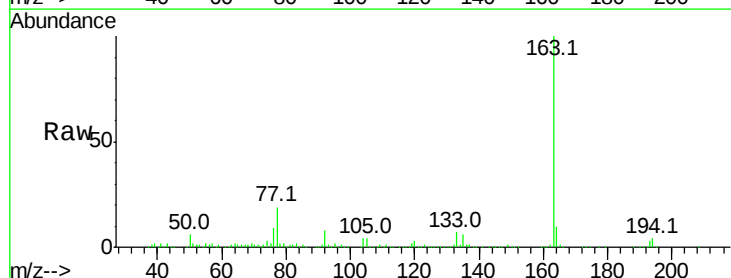
Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)

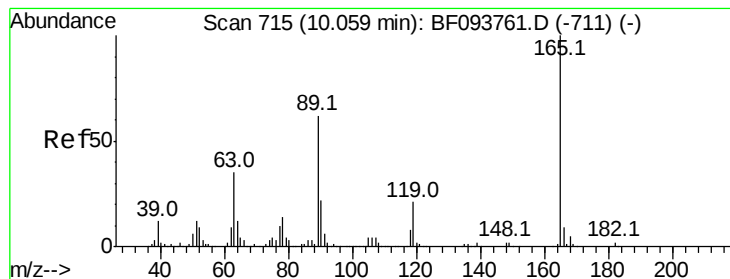
Tot Ion:172 Resp: 2039312
Ion Ratio Lower Upper
172 100
171 37.0 29.6 44.4
170 25.0 19.8 29.8



#49
Dimethylphthalate
Concen: 11.46 ng
RT: 9.59 min Scan# 674
Delta R.T. -0.02 min
Lab File: BF093772.D
Acq: 20 Mar 2017 18:57

Tgt Ion:163 Resp: 356838
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 10.3 8.4 12.6





#56

2,4-Dinitrotoluene

Concen: 6.72 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.19 min

Lab File: BF093772.D

Acq: 20 Mar 2017 18:57

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)

Tot Ion:165 Resp: 58283

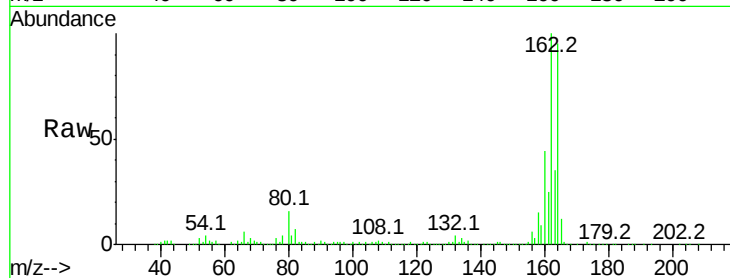
Ion Ratio Lower Upper

165 100

63 1.8 25.4 38.0#

89 2.3 46.4 69.6#

182 1.0 1.8 2.6#

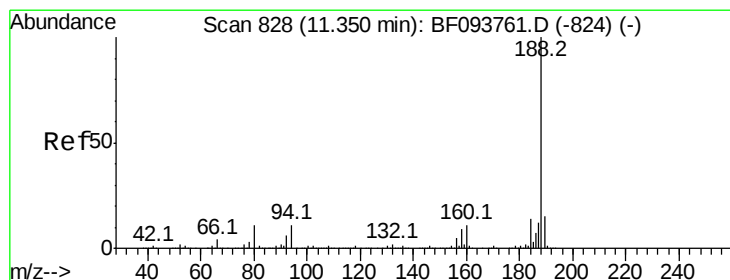
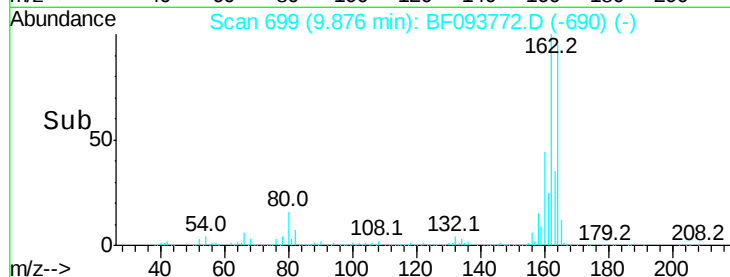
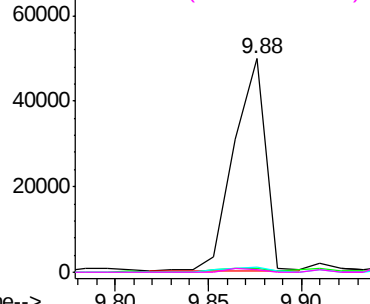


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF093772.D

Acq: 20 Mar 2017 18:57

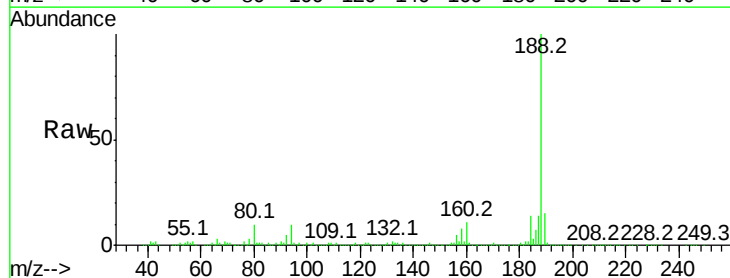
Tgt Ion:188 Resp: 705663

Ion Ratio Lower Upper

188 100

94 10.0 9.4 14.2

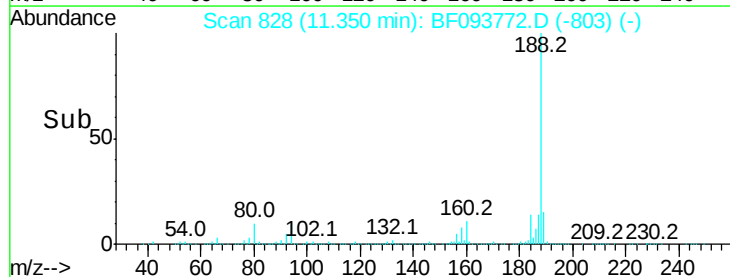
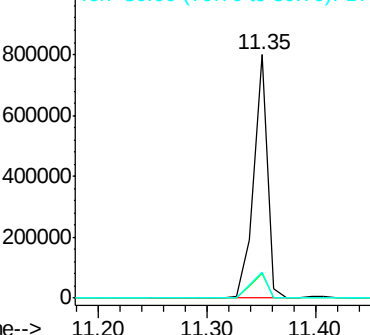
80 10.4 10.2 15.2

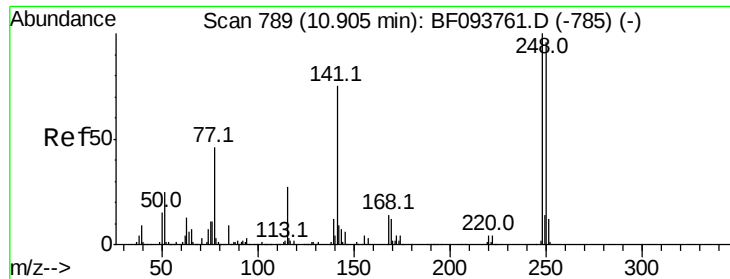


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

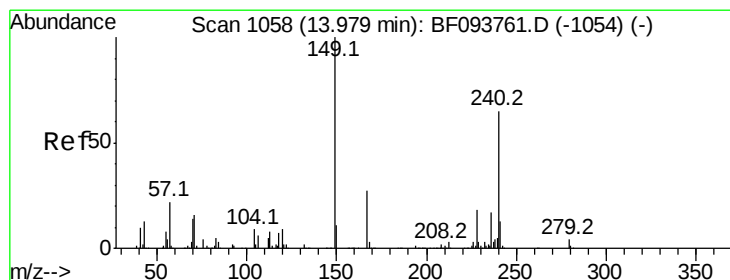
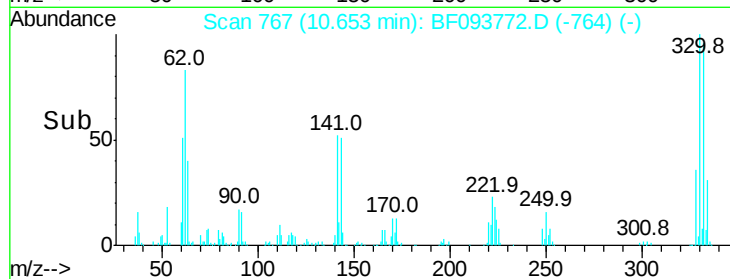
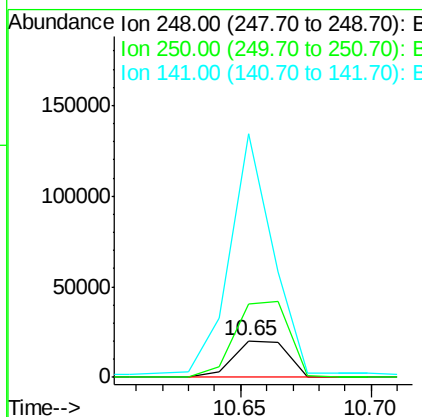
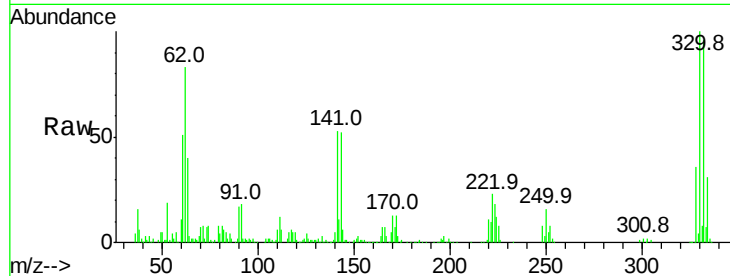




#66
 4-Bromophenyl-phenylether
 Concen: 4.30 ng
 RT: 10.65 min Scan# 767
 Delta R.T. -0.26 min
 Lab File: BF093772.D
 Acq: 20 Mar 2017 18:57

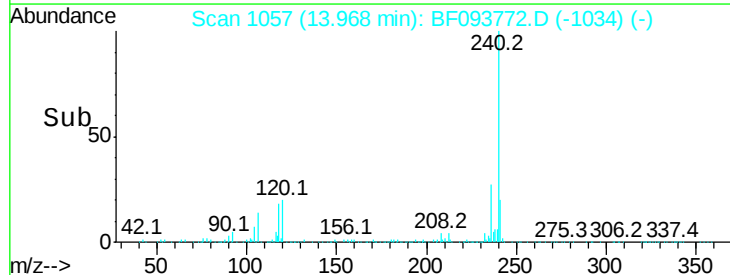
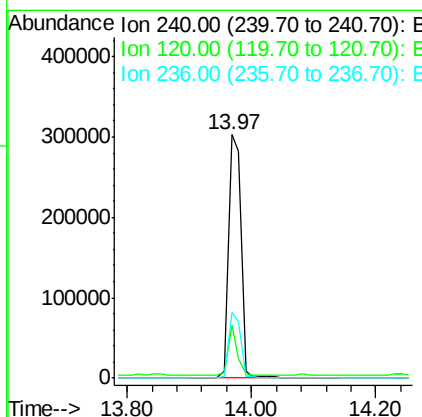
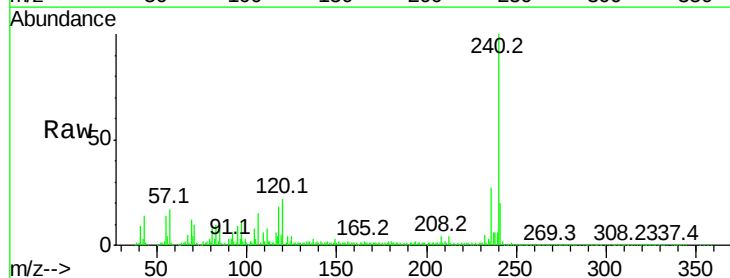
Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)

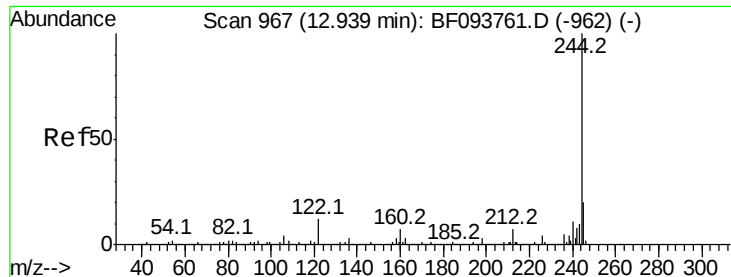
Tot Ion:248 Resp: 29221
 Ion Ratio Lower Upper
 248 100
 250 201.3 76.8 115.2#
 141 663.5 68.6 103.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.97 min Scan# 1057
 Delta R.T. -0.03 min
 Lab File: BF093772.D
 Acq: 20 Mar 2017 18:57

Tgt Ion:240 Resp: 418058
 Ion Ratio Lower Upper
 240 100
 120 21.6 5.8 8.8#
 236 26.8 20.5 30.7





#78

Terphenyl-d14

Concen: 72.80 ng

RT: 12.94 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF093772.D

Acq: 20 Mar 2017 18:57

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)

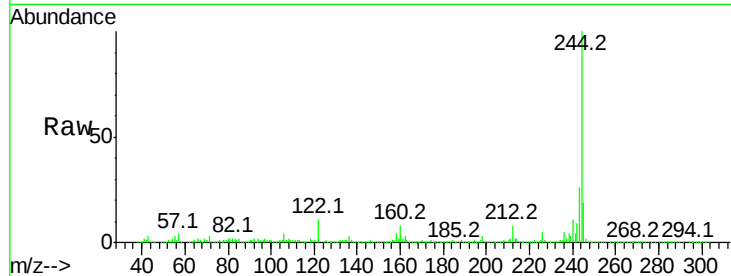
Tot Ion:244 Resp: 1492722

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

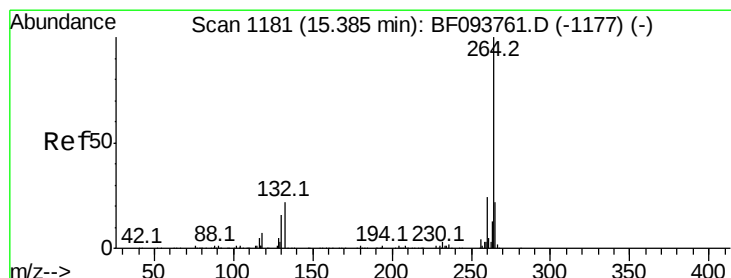
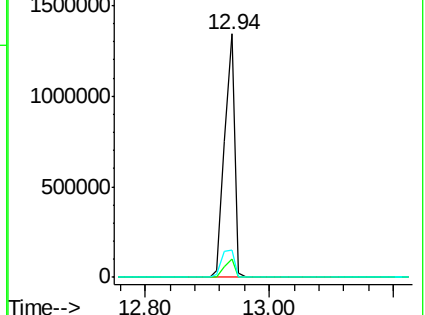
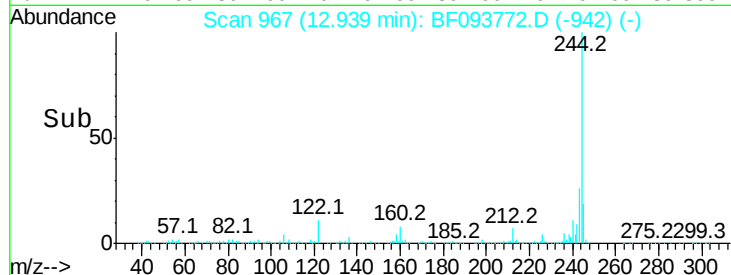
122 11.5 10.3 15.5



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: 15.38 min Scan# 1181

Delta R.T. -0.02 min

Lab File: BF093772.D

Acq: 20 Mar 2017 18:57

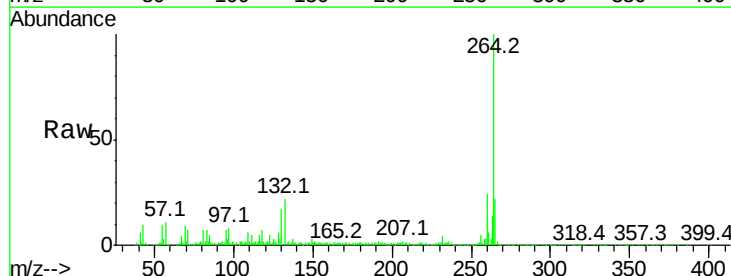
Tgt Ion:264 Resp: 379517

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 22.2 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

