

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032117\
 Data File : BF093808.D
 Acq On : 21 Mar 2017 19:49
 Operator : SJ/MA
 Sample : I2333-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-003-A

Quant Time: Mar 22 00:55:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 21 14:38:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	206954	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	837778	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	393881	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	623192	20.00	ng	0.00
75) Chrysene-d12	13.97	240	398625	20.00	ng	0.00
86) Perylene-d12	15.37	264	345976	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1233584	104.23	ng	0.01
7) Phenol-d6	6.46	99	1513962	103.53	ng	0.00
23) Nitrobenzene-d5	7.38	82	921913	62.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	329604	108.04	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1658296	70.80	ng	0.00
78) Terphenyl-d14	12.93	244	1217311	62.26	ng	0.00

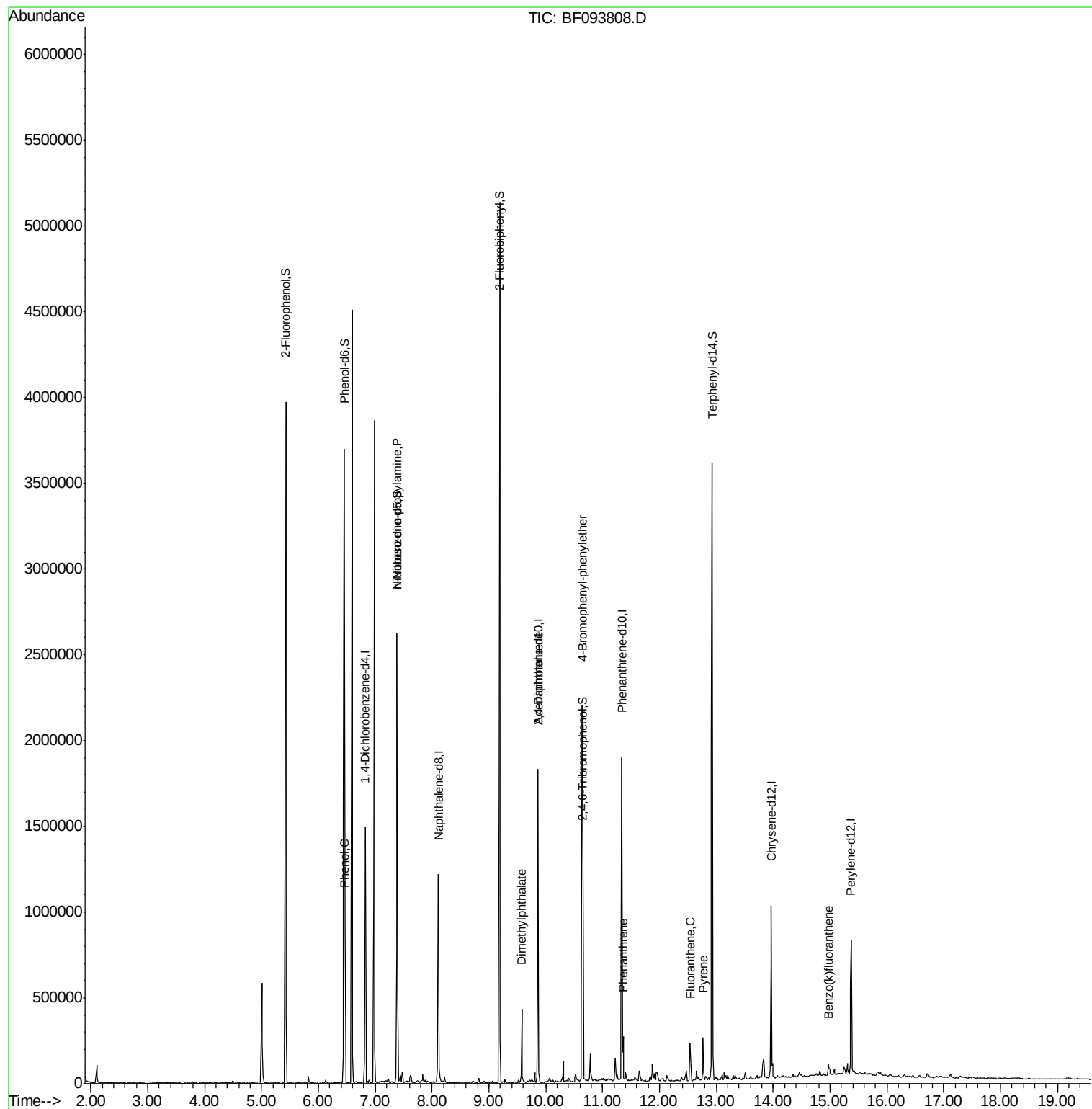
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.47	94	96482	5.87	ng	96
19) n-Nitroso-di-n-propylamine	7.38	70	124686	13.01	ng	# 79
49) Dimethylphthalate	9.58	163	160551	5.73	ng	100
56) 2,4-Dinitrotoluene	9.86	165	50129	6.42	ng	# 33
66) 4-Bromophenyl-phenylether	10.64	248	21863	3.64	ng	# 1
70) Phenanthrene	11.36	178	84893	2.56	ng	99
74) Fluoranthene	12.54	202	97843	2.87	ng	95
77) Pyrene	12.77	202	89887	2.71	ng	99
88) Benzo(k)fluoranthene	14.97	252	45424	2.64	ng	97

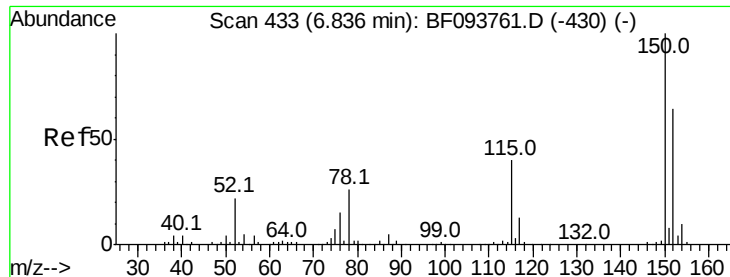
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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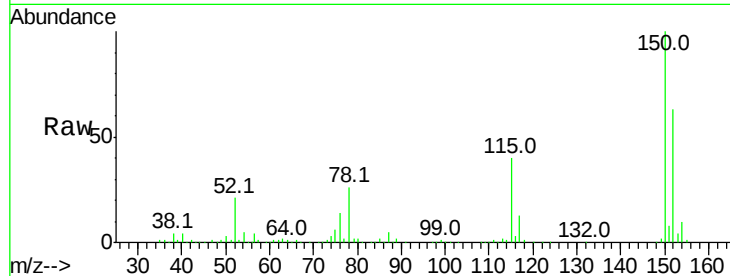


#1

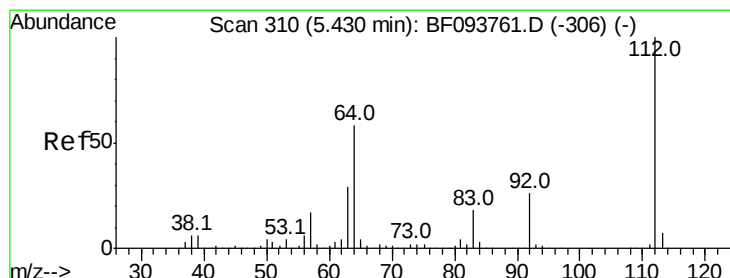
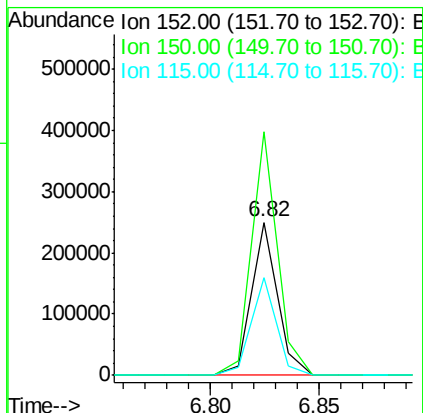
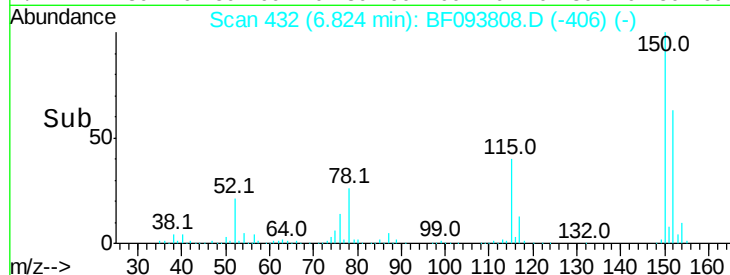
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 432
Delta R.T. -0.00 min
Lab File: BF093808.D
Acq: 21 Mar 2017 19:49

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-003-A

Tot Ion:152 Resp: 206954
Ion Ratio Lower Upper
152 100
150 159.0 126.2 189.2
115 63.7 52.2 78.2



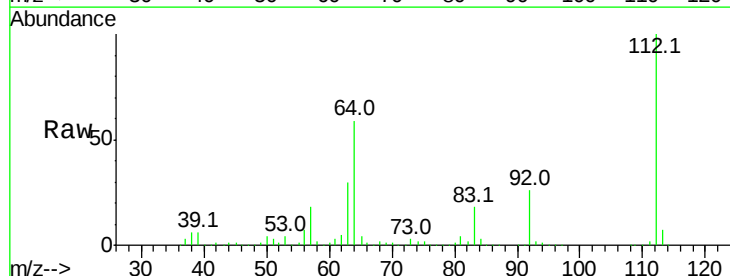
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



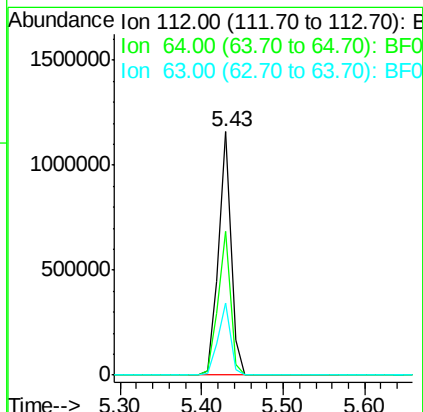
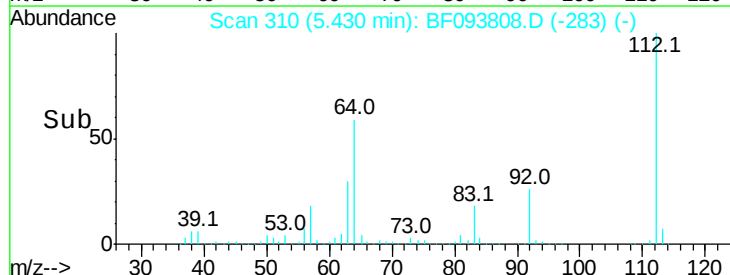
#5

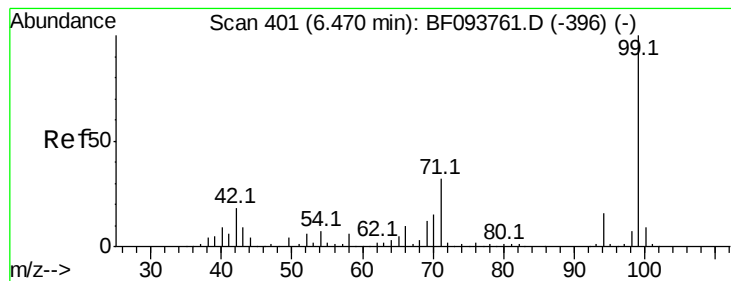
2-Fluorophenol
Concen: 104.23 ng
RT: 5.43 min Scan# 310
Delta R.T. 0.01 min
Lab File: BF093808.D
Acq: 21 Mar 2017 19:49

Tgt Ion:112 Resp: 1233584
Ion Ratio Lower Upper
112 100
64 58.9 46.0 69.0
63 29.8 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: 103.53 ng

RT: 6.46 min Scan# 400

Delta R.T. -0.00 min

Lab File: BF093808.D

Acq: 21 Mar 2017 19:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-003-A

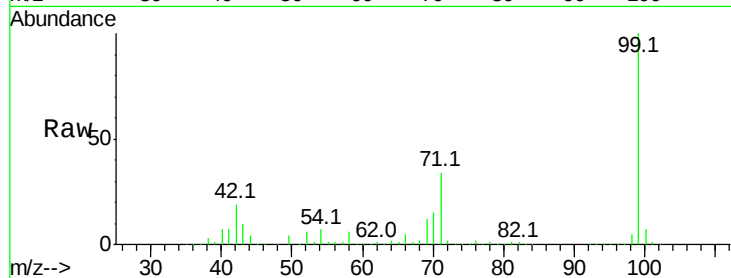
Tot Ion: 99 Resp: 1513962

Ion	Ratio	Lower	Upper
99	100		
42	18.9	13.5	20.3
71	33.5	24.5	36.7

99 100

42 18.9 13.5 20.3

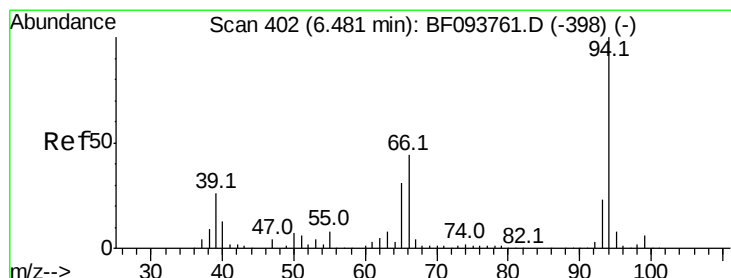
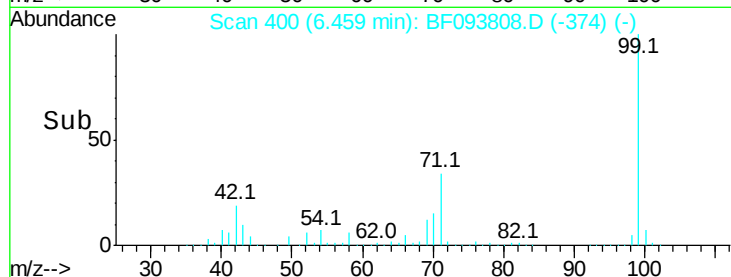
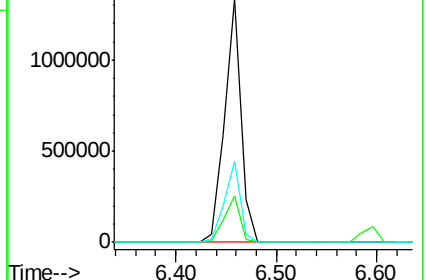
71 33.5 24.5 36.7



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: 5.87 ng

RT: 6.47 min Scan# 401

Delta R.T. -0.00 min

Lab File: BF093808.D

Acq: 21 Mar 2017 19:49

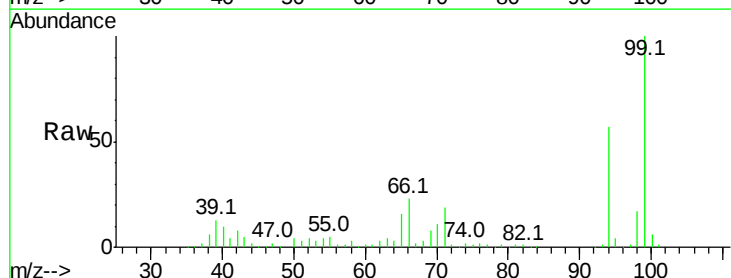
Tgt Ion: 94 Resp: 96482

Ion	Ratio	Lower	Upper
94	100		
65	28.9	9.9	49.9
66	40.1	23.1	63.1

94 100

65 28.9 9.9 49.9

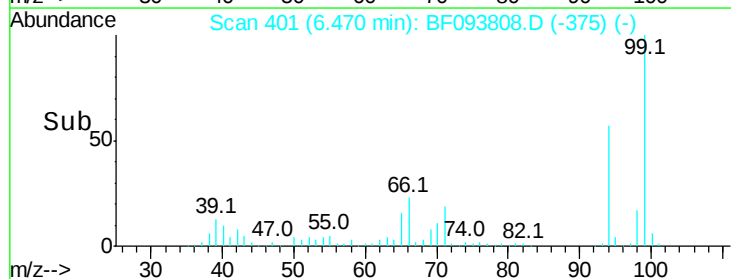
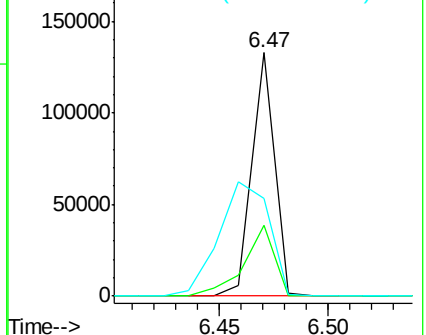
66 40.1 23.1 63.1

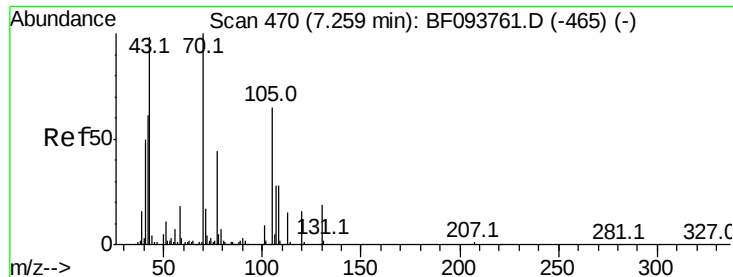


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 13.01 ng

RT: 7.38 min Scan# 481

Delta R.T. 0.14 min

Lab File: BF093808.D

Acq: 21 Mar 2017 19:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-003-A

Tot Ion: 70 Resp: 124686

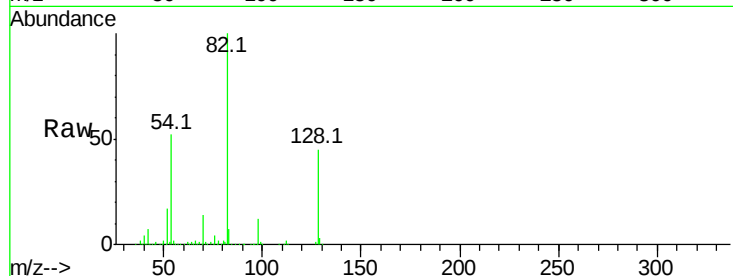
Ion Ratio Lower Upper

70 100

42 48.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

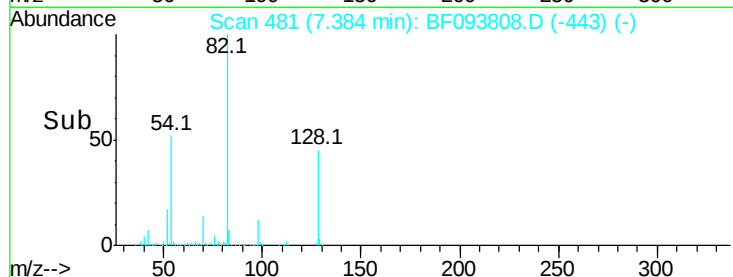
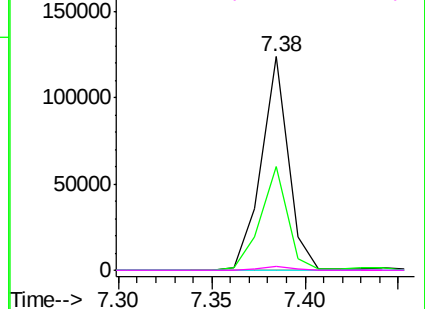


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.12 min Scan# 545

Delta R.T. -0.00 min

Lab File: BF093808.D

Acq: 21 Mar 2017 19:49

Tgt Ion:136 Resp: 837778

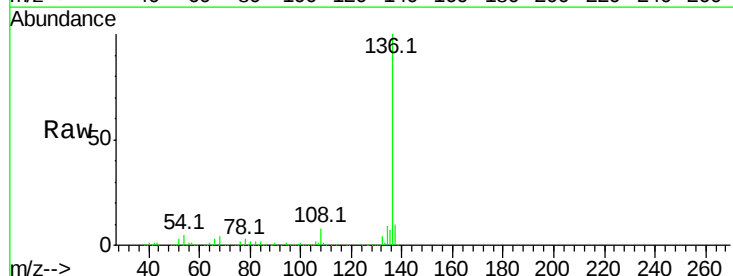
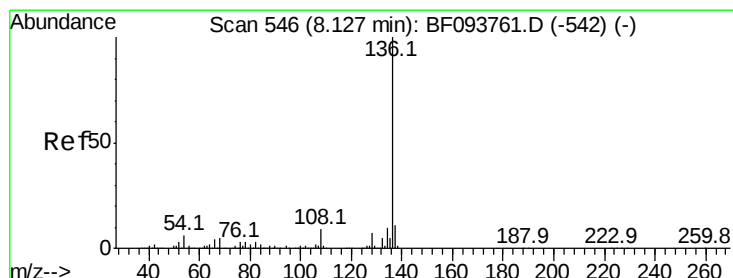
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 4.9 4.9 7.3

68 4.2 4.1 6.1

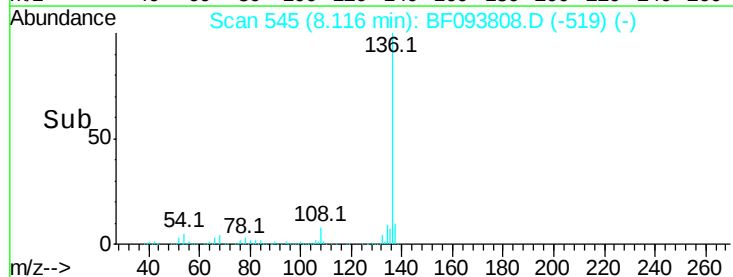
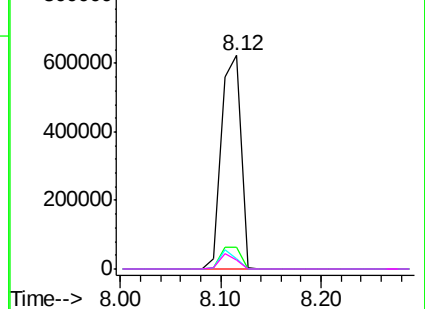


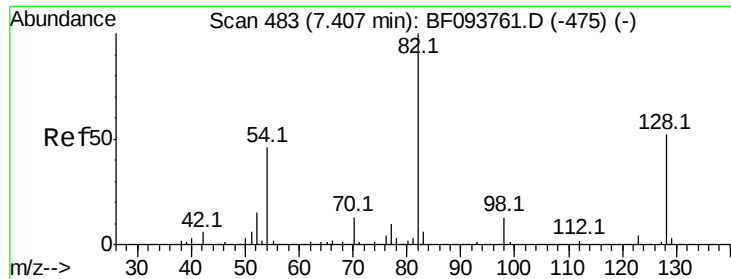
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 62.42 ng

RT: 7.38 min Scan# 481

Delta R.T. -0.01 min

Lab File: BF093808.D

Acq: 21 Mar 2017 19:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-003-A

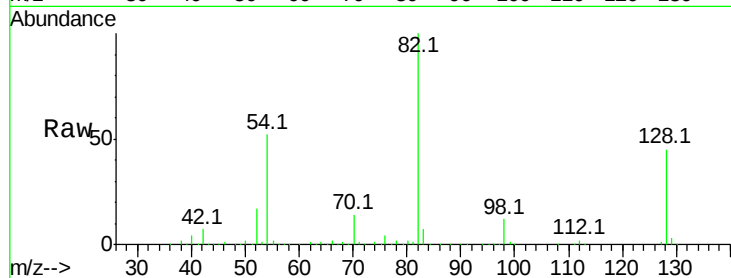
Tot Ion: 82 Resp: 921913

Ion Ratio Lower Upper

82 100

128 44.6 34.0 51.0

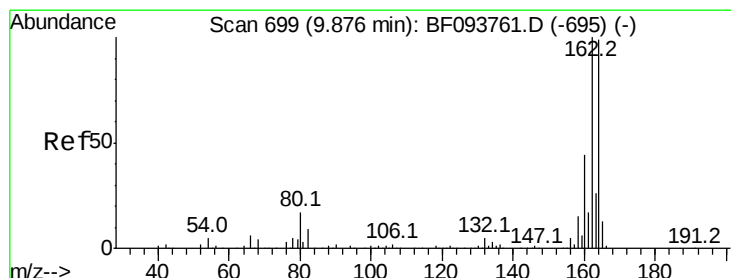
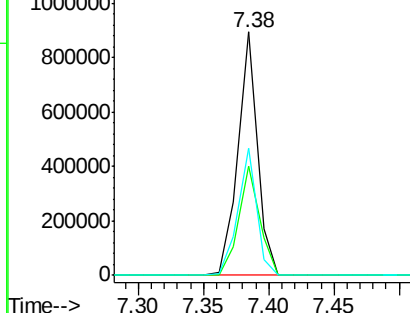
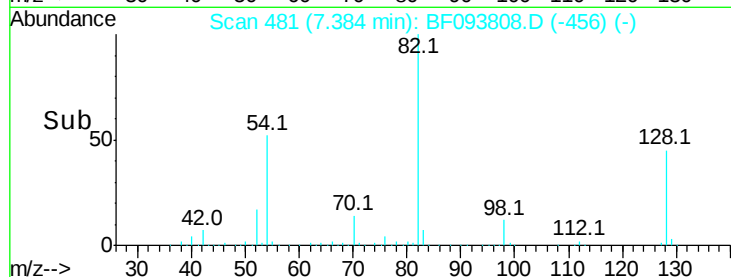
54 52.4 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF093808.D

Acq: 21 Mar 2017 19:49

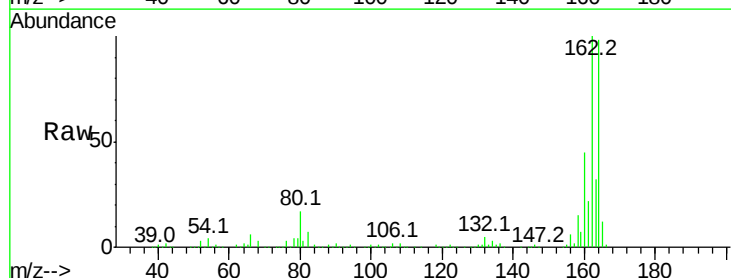
Tgt Ion:164 Resp: 393881

Ion Ratio Lower Upper

164 100

162 102.0 82.6 123.8

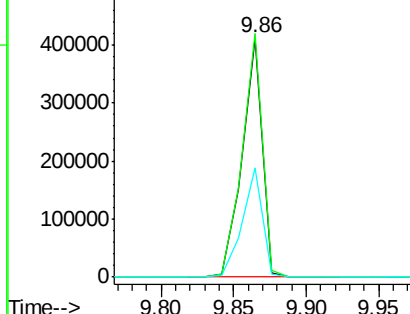
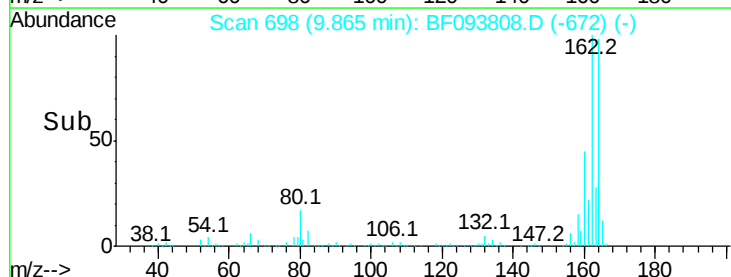
160 45.6 36.2 54.2

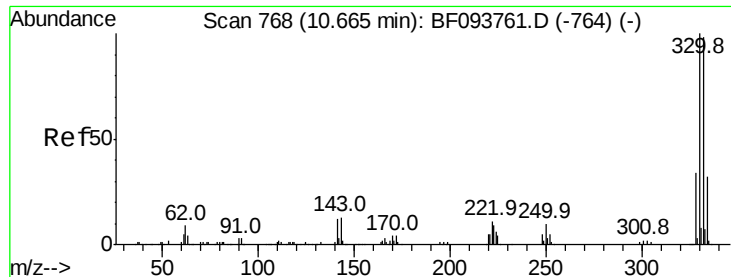


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

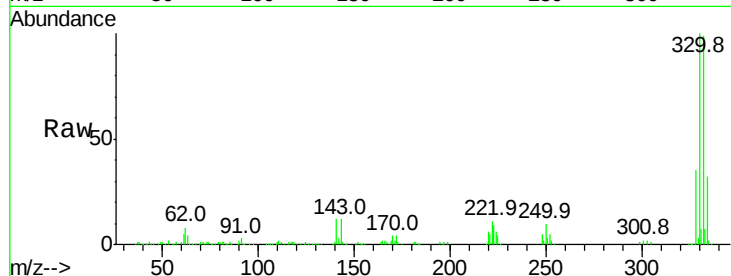




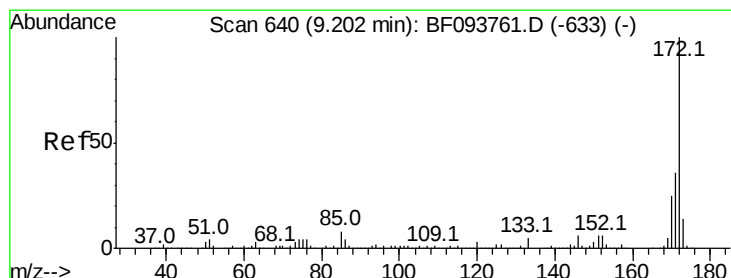
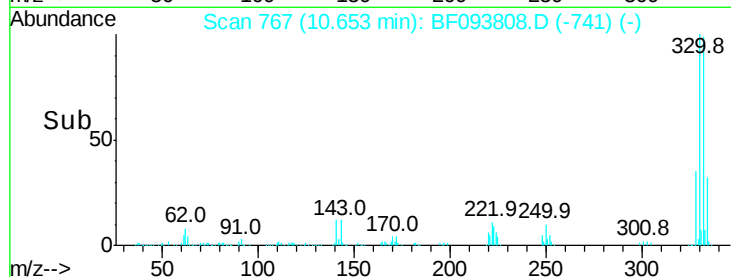
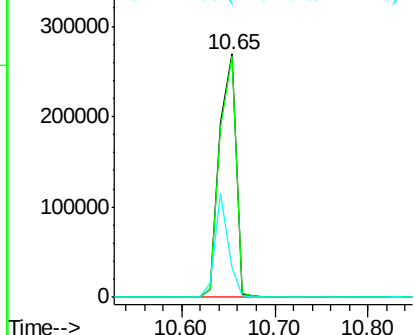
#41
 2,4,6-Tribromophenol
 Concen: 108.04 ng
 RT: 10.65 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BF093808.D
 Acq: 21 Mar 2017 19:49

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-003-A

Tot Ion:330 Resp: 329604
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.6 115.0
 141 35.3 31.4 47.2

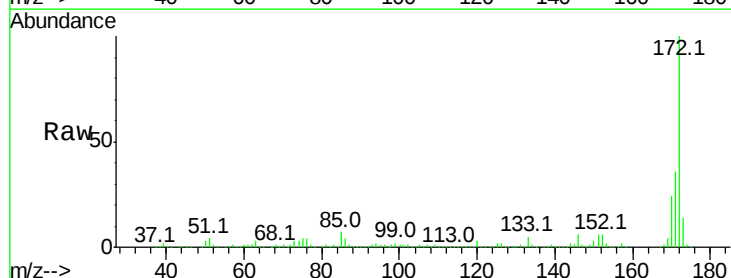


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

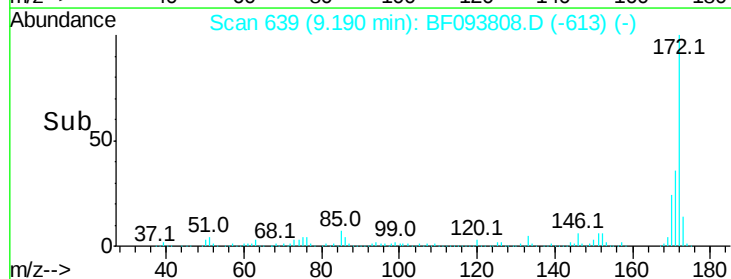
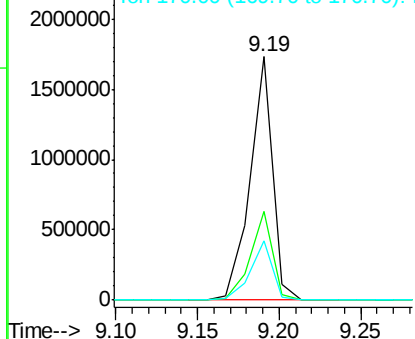


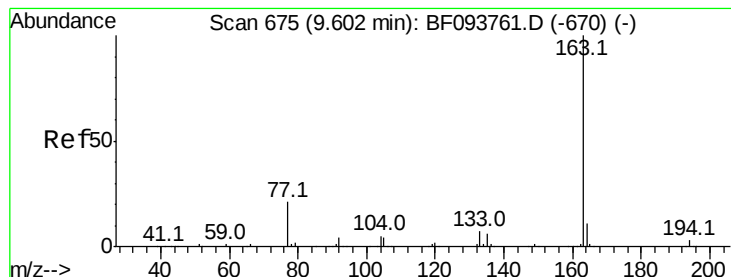
#44
 2-Fluorobiphenyl
 Concen: 70.80 ng
 RT: 9.19 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: BF093808.D
 Acq: 21 Mar 2017 19:49

Tgt Ion:172 Resp: 1658296
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.5 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: 5.73 ng

RT: 9.58 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF093808.D

Acq: 21 Mar 2017 19:49

Instrument :

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ClientSampleId :

FK-SF-01-003-A

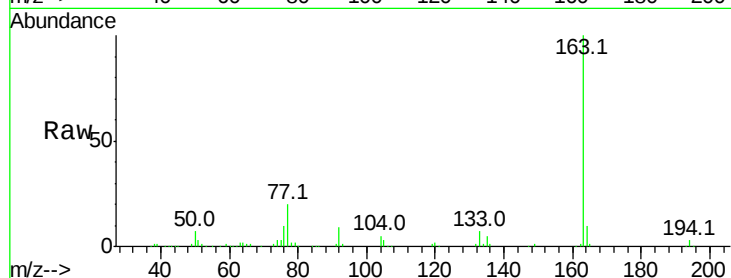
Tot Ion:163 Resp: 160551

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

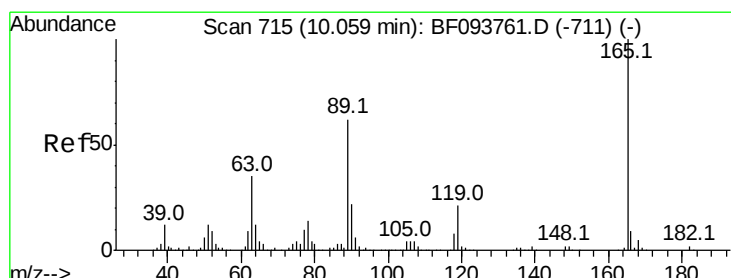
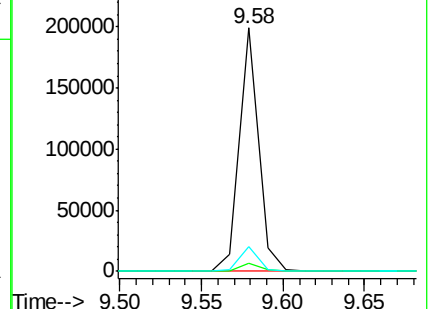
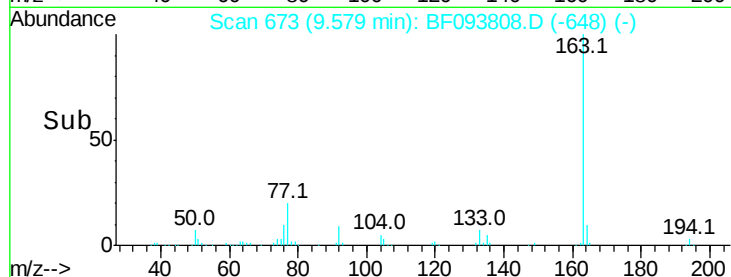
164 10.3 8.4 12.6



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: 6.42 ng

RT: 9.86 min Scan# 698

Delta R.T. -0.18 min

Lab File: BF093808.D

Acq: 21 Mar 2017 19:49

Tgt Ion:165 Resp: 50129

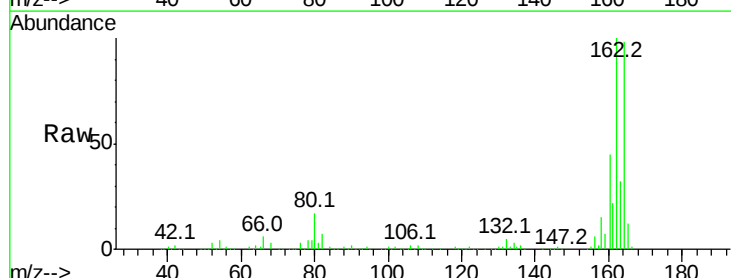
Ion Ratio Lower Upper

165 100

63 1.2 25.4 38.0#

89 1.4 46.4 69.6#

182 0.0 1.8 2.6#

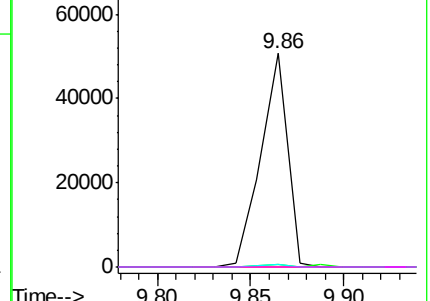
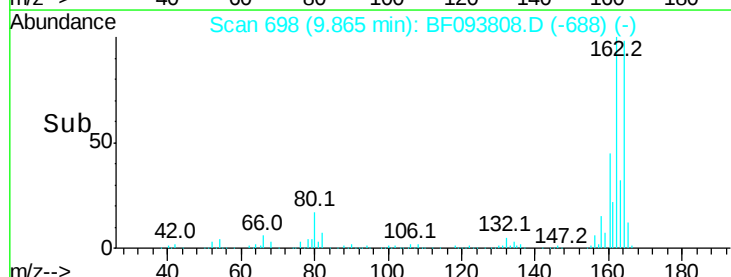


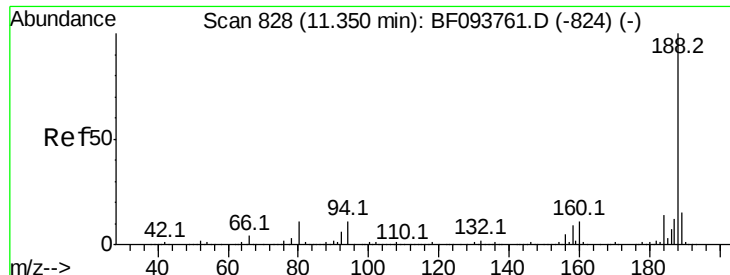
Abundance Ion 165.00 (164.70 to 165.70): E

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

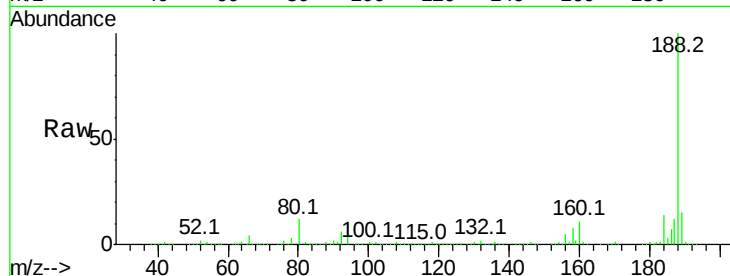




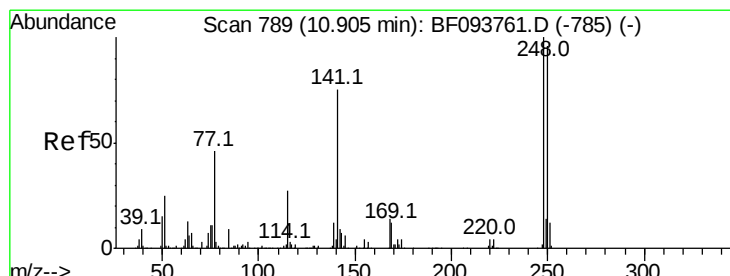
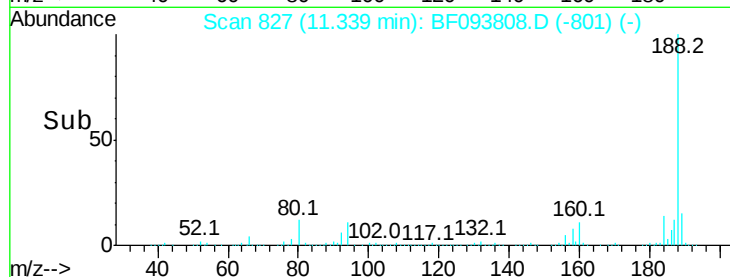
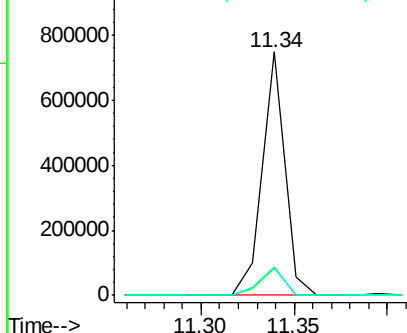
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 827
Delta R.T. -0.00 min
Lab File: BF093808.D
Acq: 21 Mar 2017 19:49

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-003-A

Tot Ion:188 Resp: 623192
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 11.7 10.2 15.2

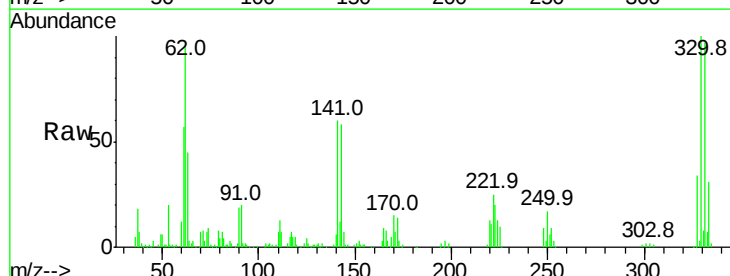


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

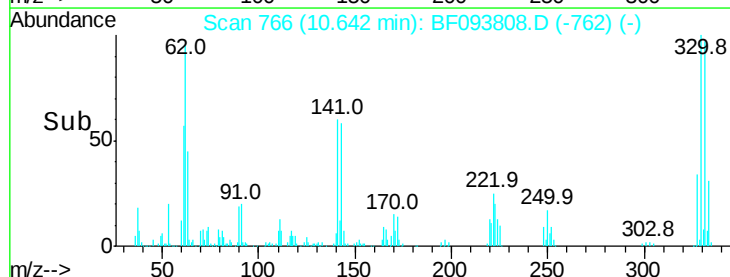
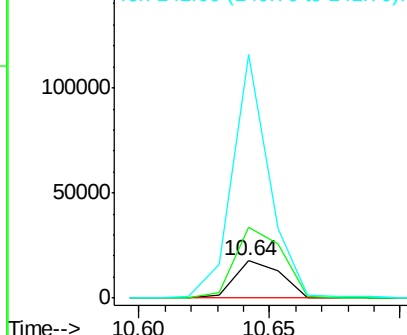


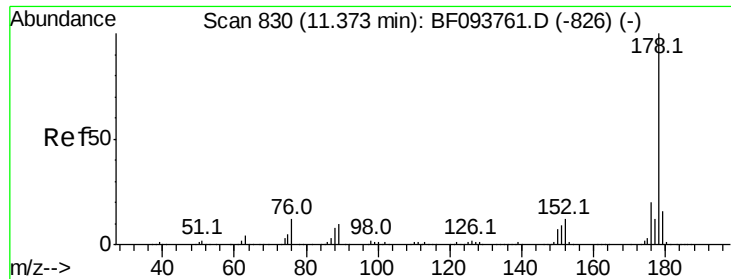
#66
4-Bromophenyl-phenylether
Concen: 3.64 ng
RT: 10.64 min Scan# 766
Delta R.T. -0.25 min
Lab File: BF093808.D
Acq: 21 Mar 2017 19:49

Tgt Ion:248 Resp: 21863
Ion Ratio Lower Upper
248 100
250 191.0 76.8 115.2#
141 653.5 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





#70

Phenanthrene

Concen: 2.56 ng

RT: 11.36 min Scan# 829

Delta R.T. -0.00 min

Lab File: BF093808.D

Acq: 21 Mar 2017 19:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-003-A

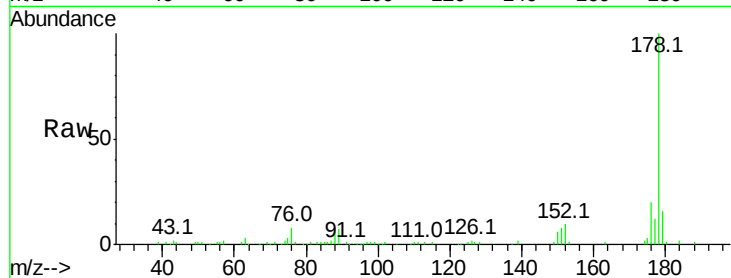
Tot Ion:178 Resp: 84893

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

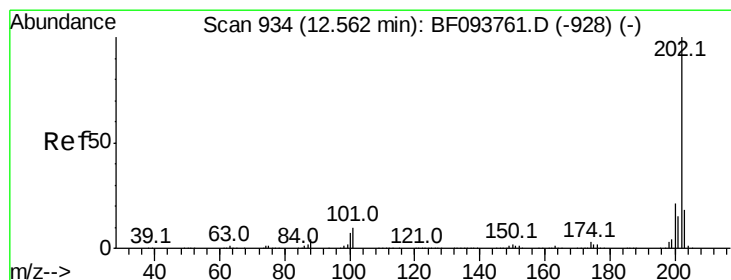
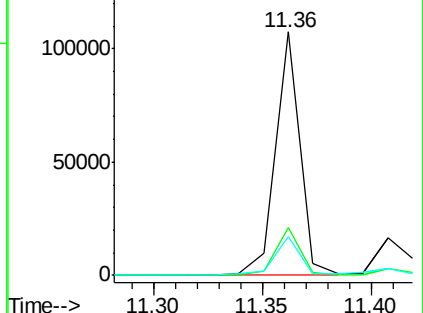
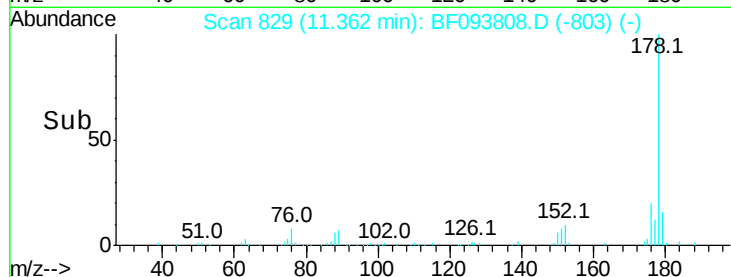
179 15.7 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 2.87 ng

RT: 12.54 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF093808.D

Acq: 21 Mar 2017 19:49

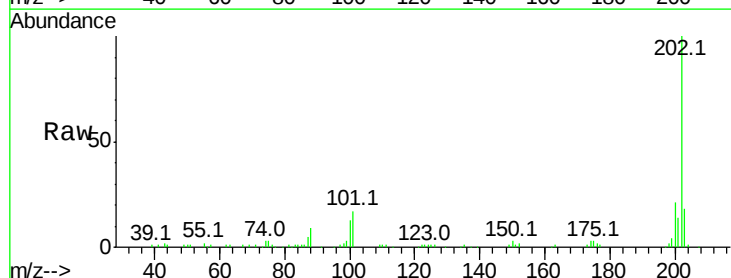
Tgt Ion:202 Resp: 97843

Ion Ratio Lower Upper

202 100

101 16.8 0.0 33.2

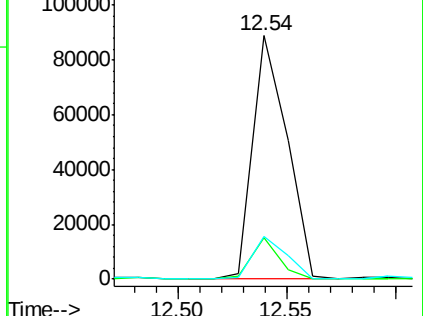
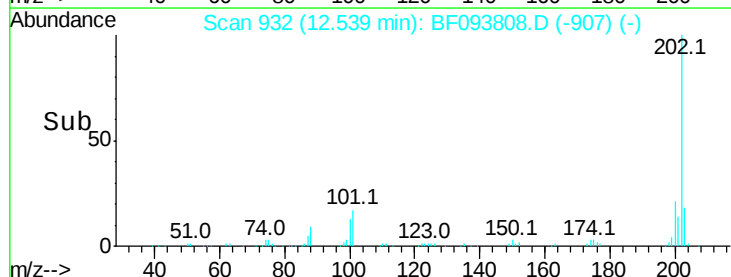
203 17.5 0.0 38.1

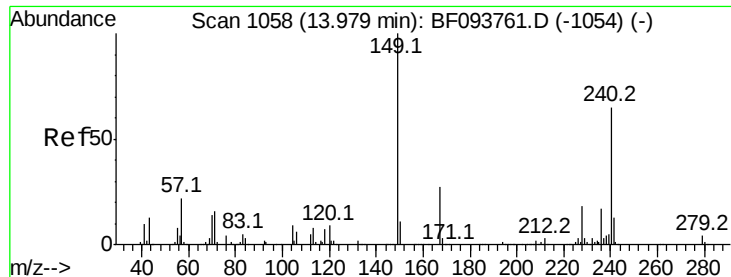


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF093808.D

Acq: 21 Mar 2017 19:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-003-A

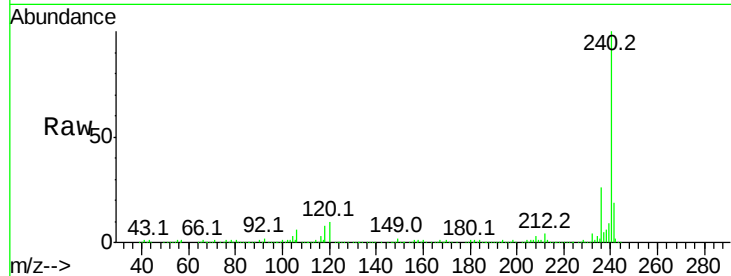
Tot Ion:240 Resp: 398625

Ion Ratio Lower Upper

240 100

120 10.2 5.8 8.8#

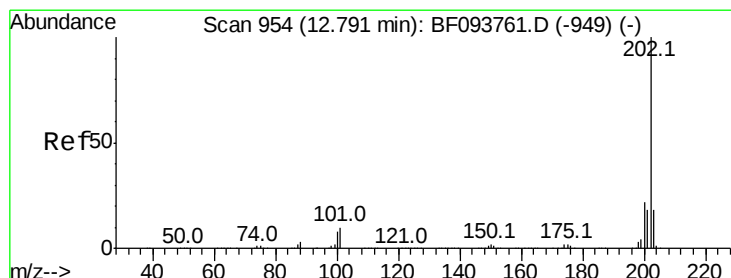
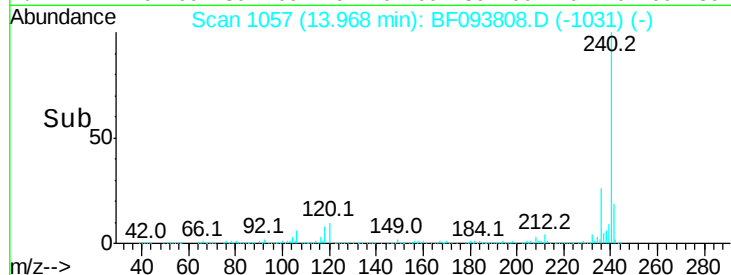
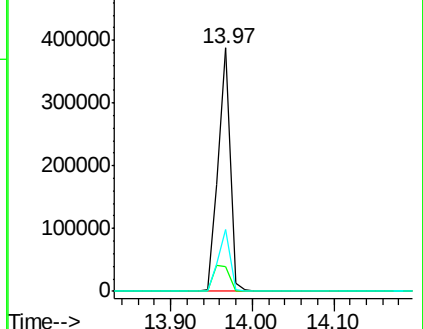
236 25.5 20.5 30.7



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



#77

Pyrene

Concen: 2.71 ng

RT: 12.77 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF093808.D

Acq: 21 Mar 2017 19:49

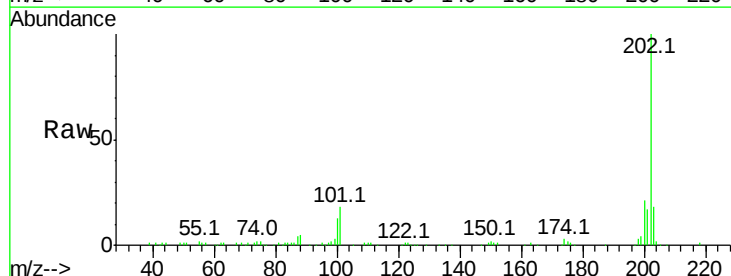
Tgt Ion:202 Resp: 89887

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

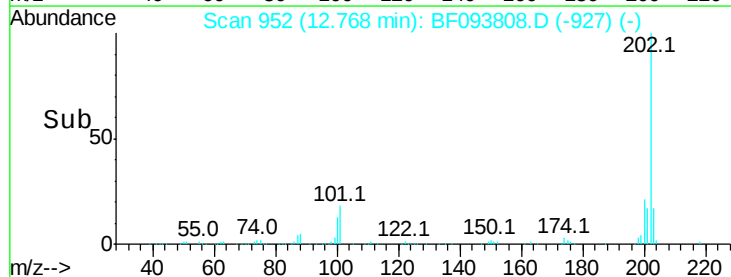
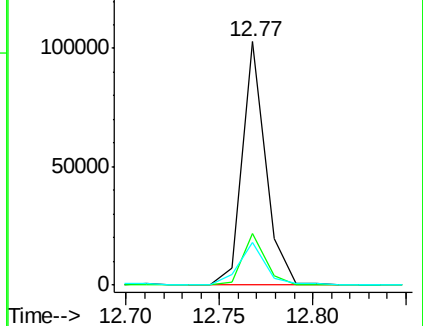
203 17.7 14.4 21.6

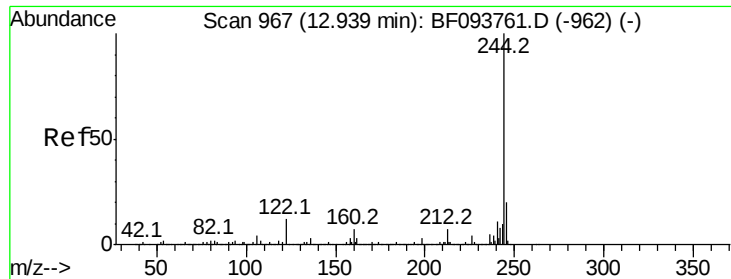


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 62.26 ng

RT: 12.93 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF093808.D

Acq: 21 Mar 2017 19:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-003-A

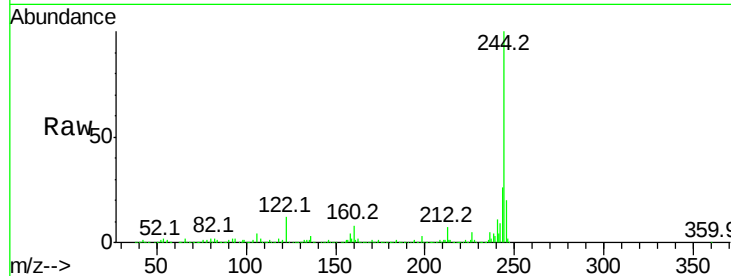
Tot Ion:244 Resp: 1217311

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

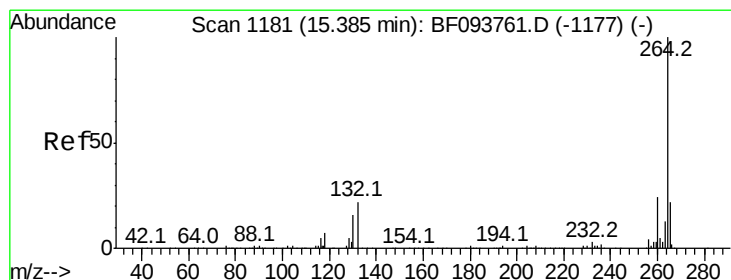
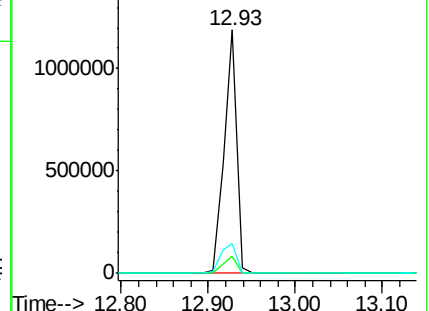
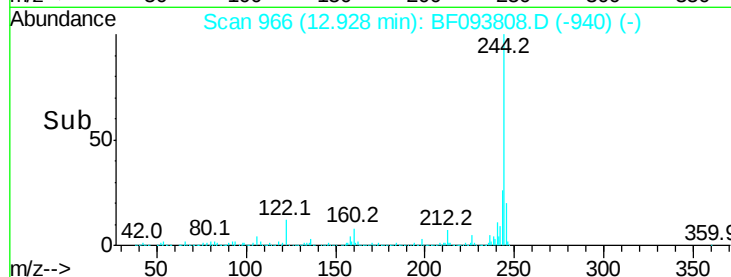
122 12.3 10.3 15.5



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: 15.37 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BF093808.D

Acq: 21 Mar 2017 19:49

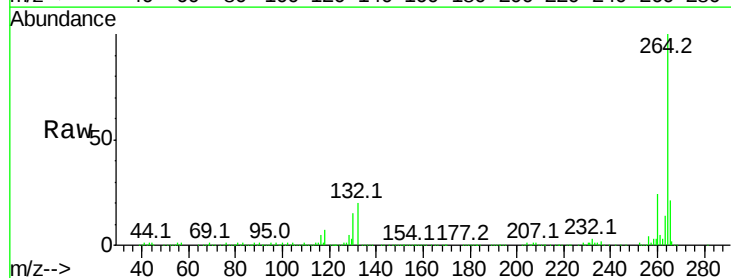
Tgt Ion:264 Resp: 345976

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

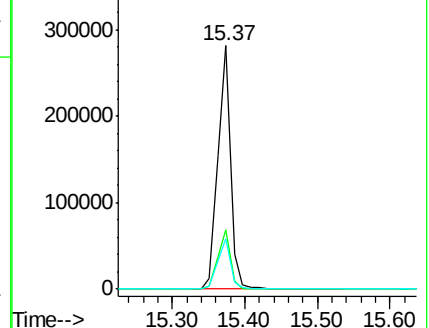
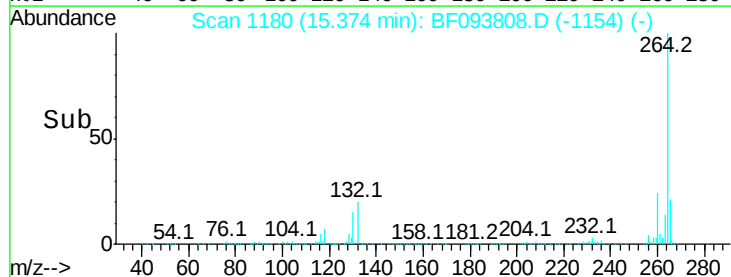
265 20.9 17.2 25.8

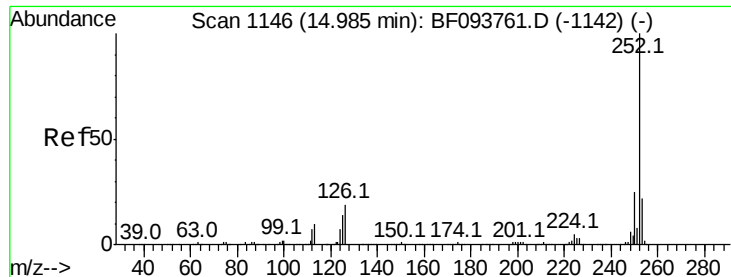


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(k)fluoranthene

Concen: 2.64 ng

RT: 14.97 min Scan# 1145

Delta R.T. -0.03 min

Lab File: BF093808.D

Acq: 21 Mar 2017 19:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-003-A

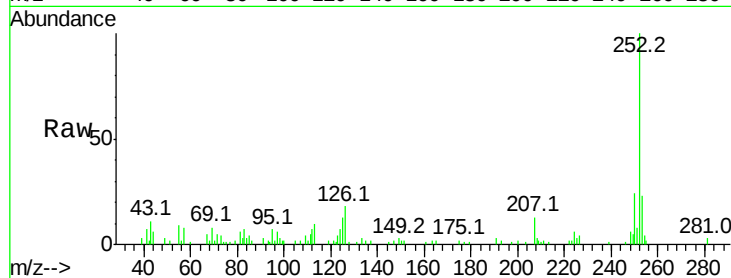
Tot Ion:252 Resp: 45424

Ion Ratio Lower Upper

252 100

253 23.0 18.4 27.6

125 13.4 13.1 19.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

