

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032117\
 Data File : BF093809.D
 Acq On : 21 Mar 2017 20:17
 Operator : SJ/MA
 Sample : I2333-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Mar 22 00:55:40 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	207272	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	831626	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	385509	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	631657	20.00	ng	0.00
75) Chrysene-d12	13.97	240	399849	20.00	ng	0.00
86) Perylene-d12	15.37	264	362266	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1206969	101.83	ng	0.01
7) Phenol-d6	6.46	99	1373011	93.75	ng	0.00
23) Nitrobenzene-d5	7.38	82	821938	56.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	287522	96.29	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1524884	66.51	ng	0.00
78) Terphenyl-d14	12.93	244	1115326	56.87	ng	0.00

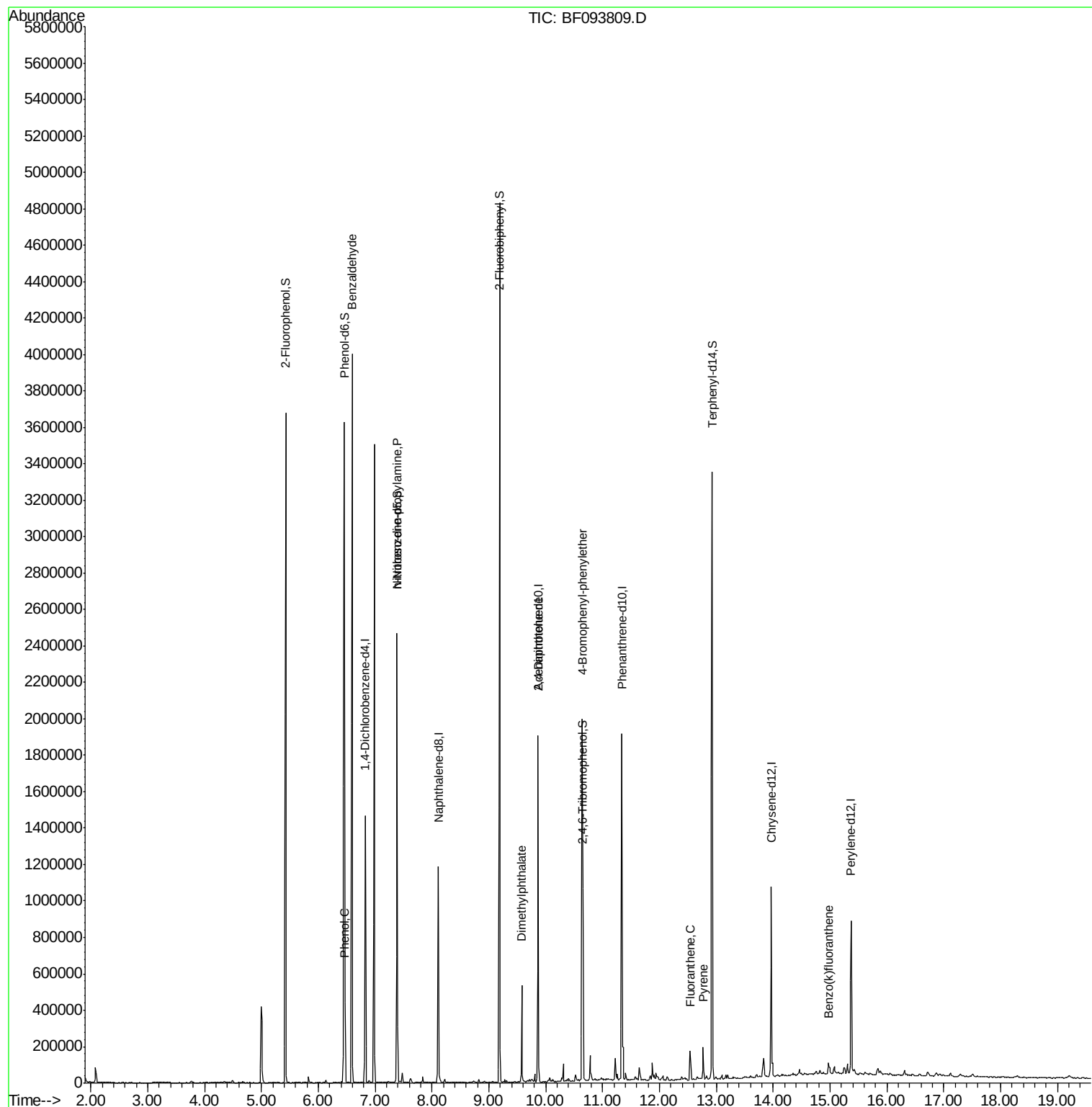
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	26452	2.56	ng	83
10) Phenol	6.47	94	86463	5.25	ng	88
19) n-Nitroso-di-n-propylamine	7.38	70	110771	11.54	ng	# 80
49) Dimethylphthalate	9.58	163	197731	7.21	ng	99
56) 2,4-Dinitrotoluene	9.86	165	50615	6.62	ng	# 33
66) 4-Bromophenyl-phenylether	10.64	248	17980	2.96	ng	# 1
74) Fluoranthene	12.54	202	72838	2.11	ng	94
77) Pyrene	12.77	202	68788	2.07	ng	97
88) Benzo(k)fluoranthene	14.97	252	42763	2.37	ng	99

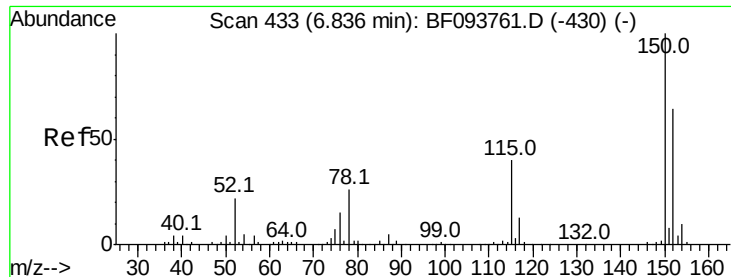
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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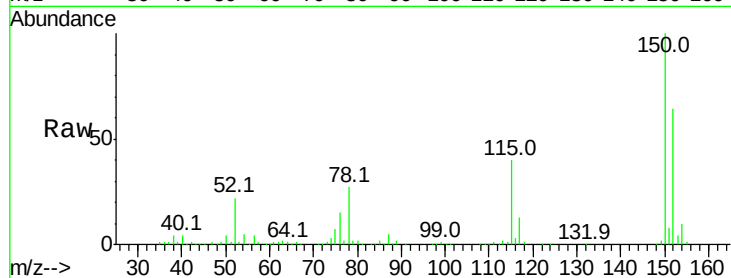


#1

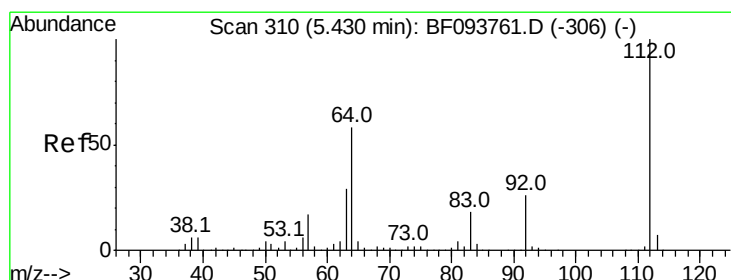
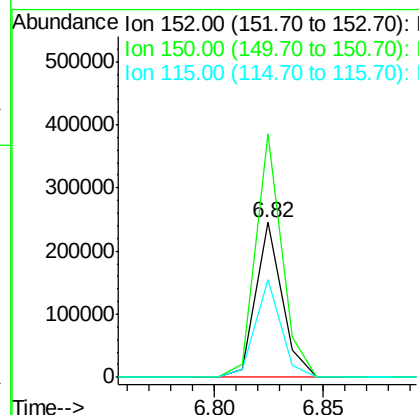
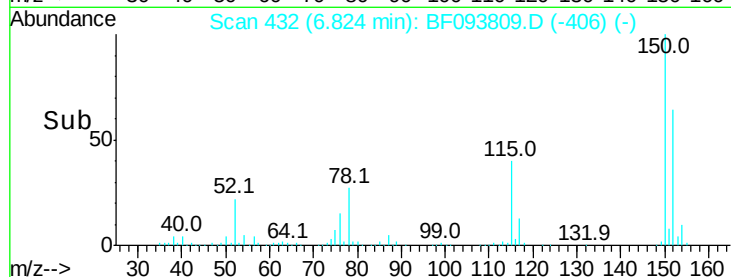
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 432
Delta R.T. -0.00 min
Lab File: BF093809.D
Acq: 21 Mar 2017 20:17

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

Tot Ion:152 Resp: 207272
Ion Ratio Lower Upper
152 100
150 157.0 126.2 189.2
115 63.3 52.2 78.2



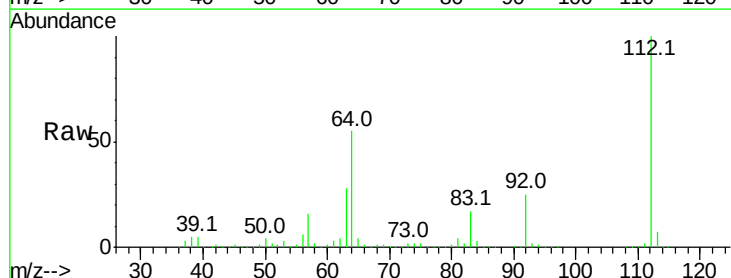
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



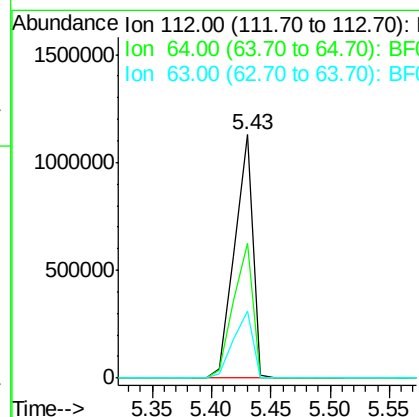
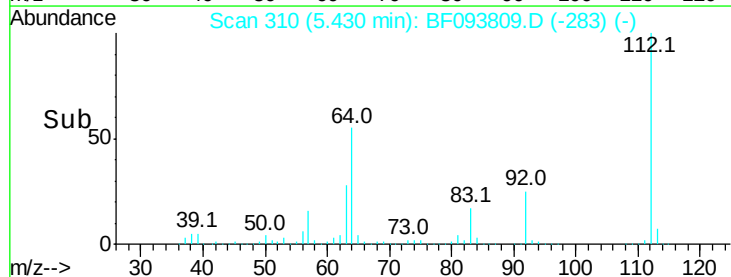
#5

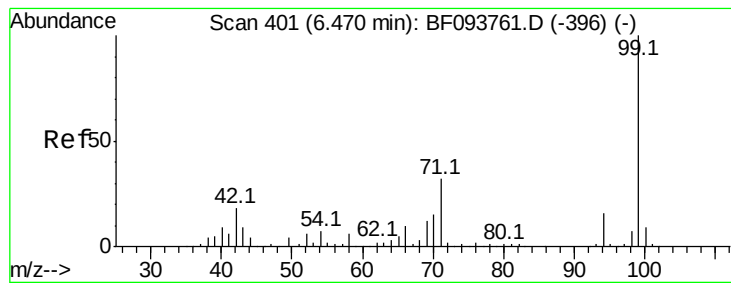
2-Fluorophenol
Concen: 101.83 ng
RT: 5.43 min Scan# 310
Delta R.T. 0.01 min
Lab File: BF093809.D
Acq: 21 Mar 2017 20:17

Tgt Ion:112 Resp: 1206969
Ion Ratio Lower Upper
112 100
64 55.2 46.0 69.0
63 27.5 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: 93.75 ng

RT: 6.46 min Scan# 400

Delta R.T. -0.00 min

Lab File: BF093809.D

Acq: 21 Mar 2017 20:17

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-003-B

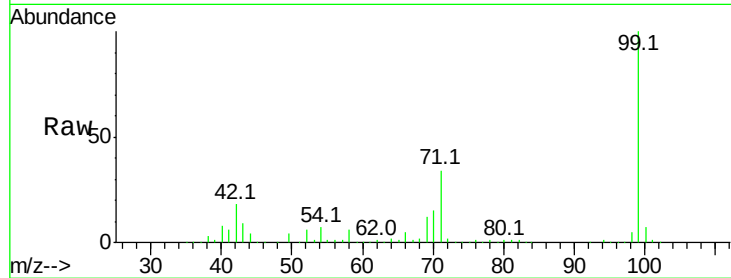
Tot Ion: 99 Resp: 1373011

Ion Ratio Lower Upper

99 100

42 18.5 13.5 20.3

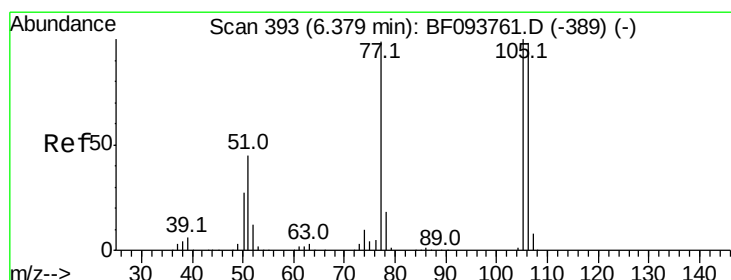
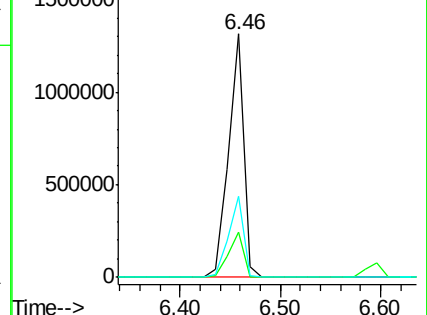
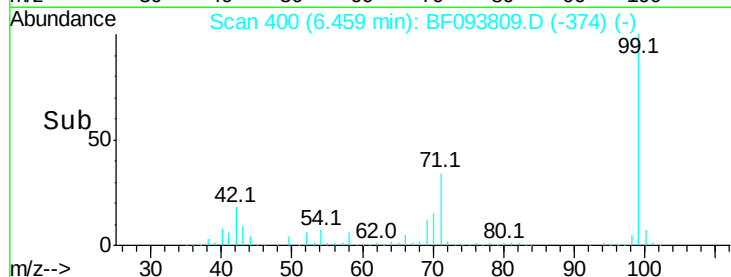
71 33.5 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.56 ng

RT: 6.60 min Scan# 412

Delta R.T. 0.23 min

Lab File: BF093809.D

Acq: 21 Mar 2017 20:17

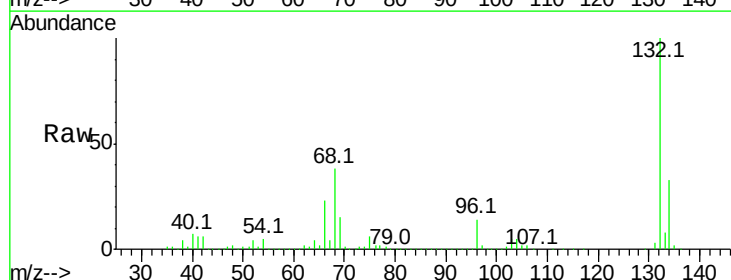
Tgt Ion: 77 Resp: 26452

Ion Ratio Lower Upper

77 100

105 87.6 83.8 123.8

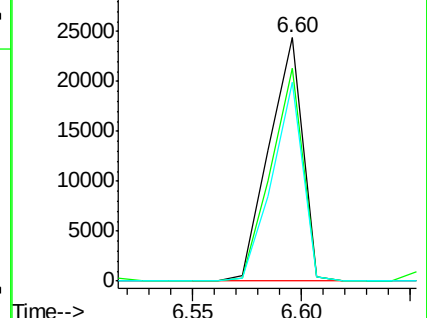
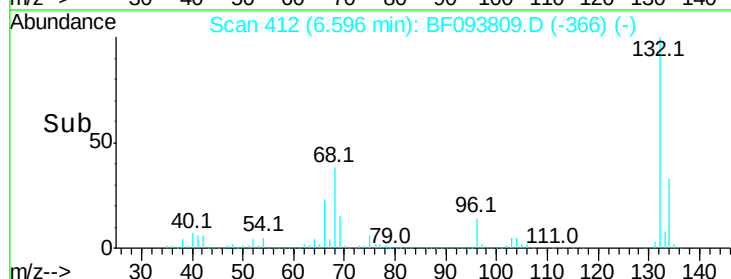
106 81.8 79.1 119.1

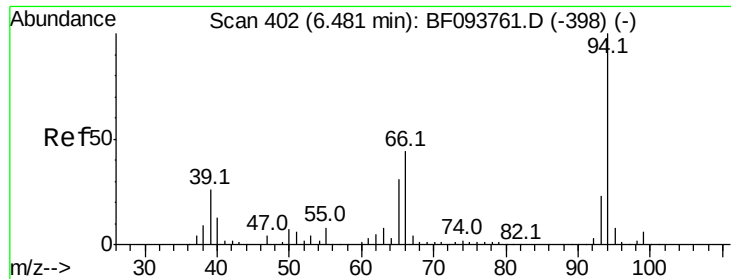


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

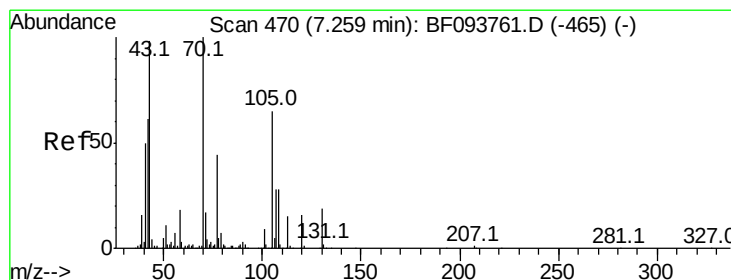
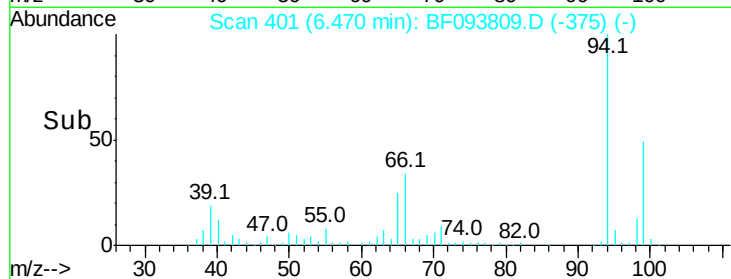
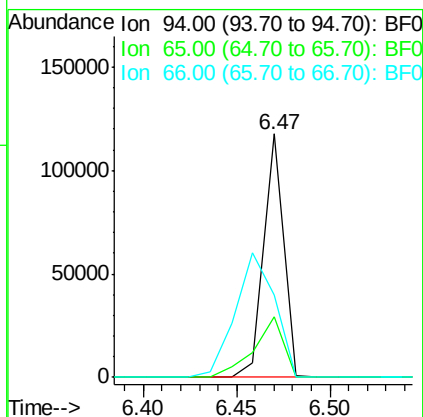
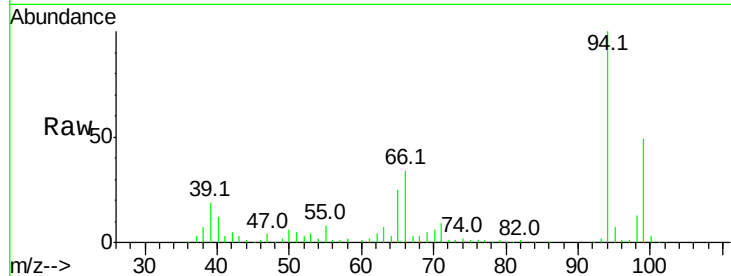




#10
Phenol
Concen: 5.25 ng
RT: 6.47 min Scan# 401
Delta R.T. -0.00 min
Lab File: BF093809.D
Acq: 21 Mar 2017 20:17

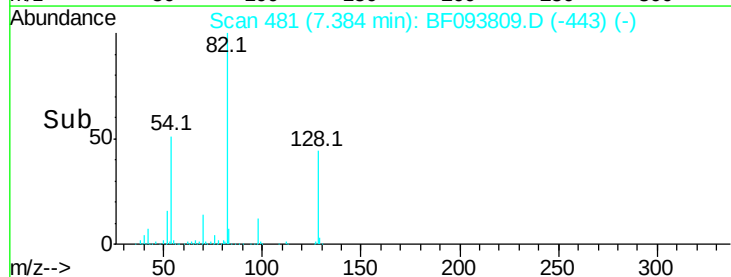
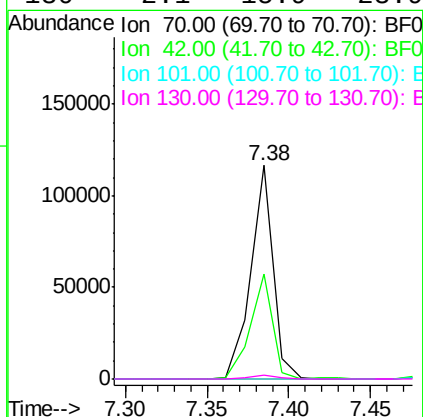
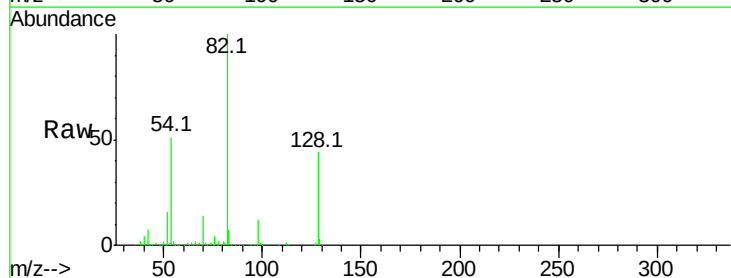
Instrument :
BNA_F
ClientSampleId :
FK-SF-01-003-B

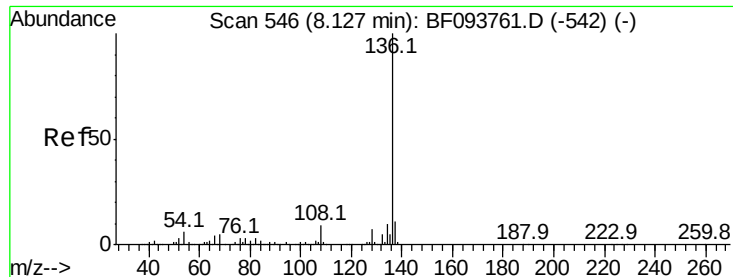
Tot Ion: 94 Resp: 86463
Ion Ratio Lower Upper
94 100
65 24.7 9.9 49.9
66 33.9 23.1 63.1



#19
n-Nitroso-di-n-propylamine
Concen: 11.54 ng
RT: 7.38 min Scan# 481
Delta R.T. 0.14 min
Lab File: BF093809.D
Acq: 21 Mar 2017 20:17

Tgt Ion: 70 Resp: 110771
Ion Ratio Lower Upper
70 100
42 49.1 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: 8.12 min Scan# 545

Delta R.T. -0.00 min

Lab File: BF093809.D

Acq: 21 Mar 2017 20:17

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-003-B

Tot Ion:136 Resp: 831626

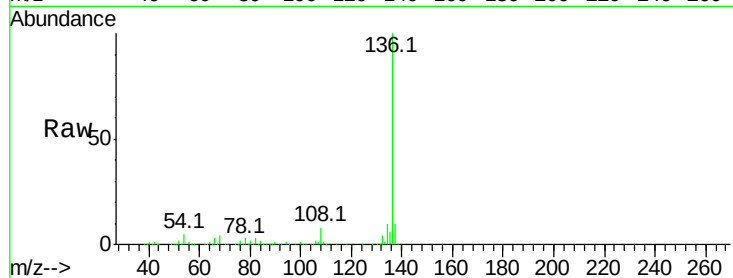
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 5.3 4.9 7.3

68 4.3 4.1 6.1

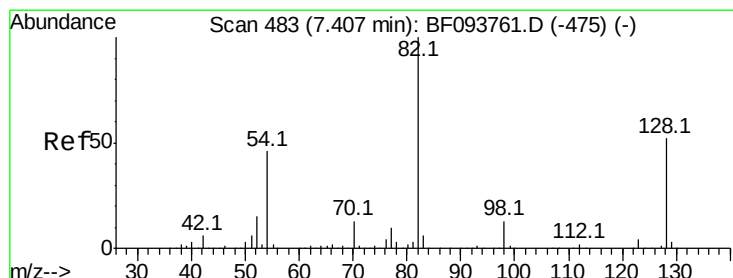
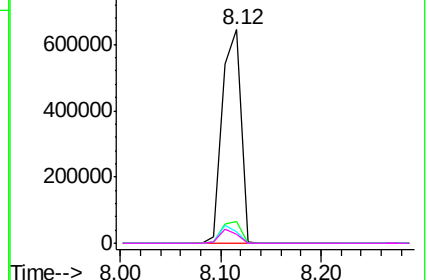
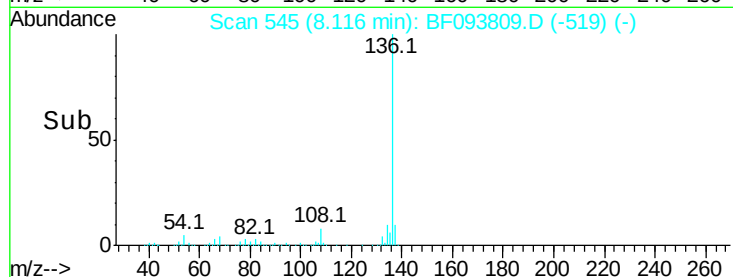


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 56.07 ng

RT: 7.38 min Scan# 481

Delta R.T. -0.01 min

Lab File: BF093809.D

Acq: 21 Mar 2017 20:17

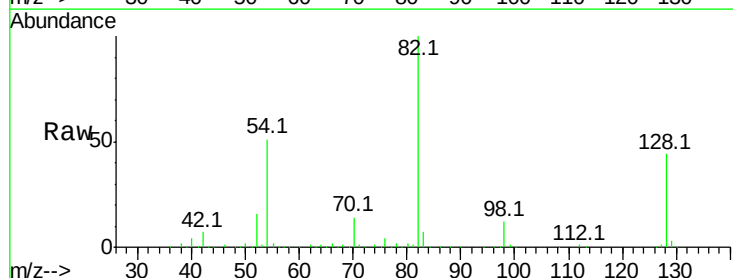
Tgt Ion: 82 Resp: 821938

Ion Ratio Lower Upper

82 100

128 43.7 34.0 51.0

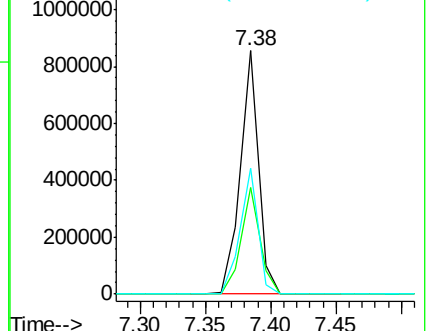
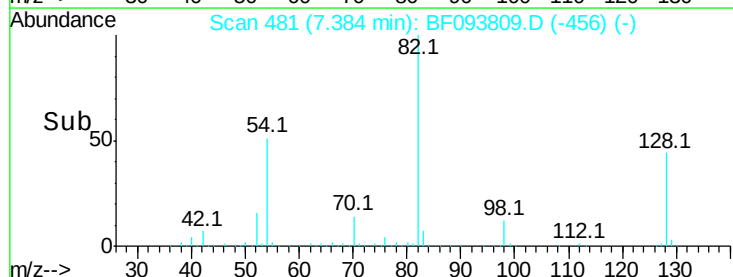
54 51.5 42.2 63.2

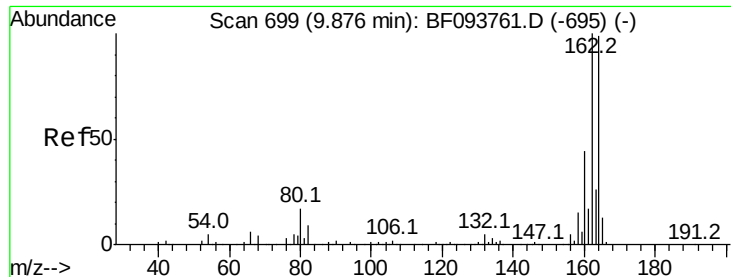


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

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: BF093809.D

Acq: 21 Mar 2017 20:17

Instrument :

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ClientSampleId :

FK-SF-01-003-B

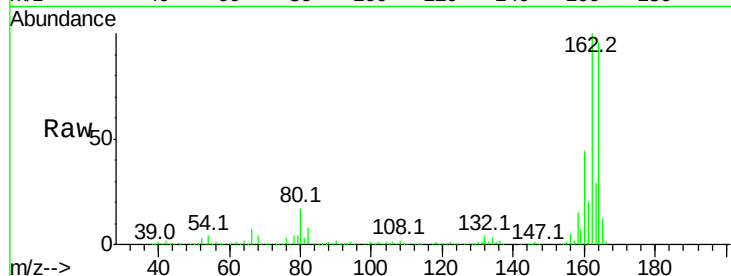
Tot Ion:164 Resp: 385509

Ion Ratio Lower Upper

164 100

162 104.5 82.6 123.8

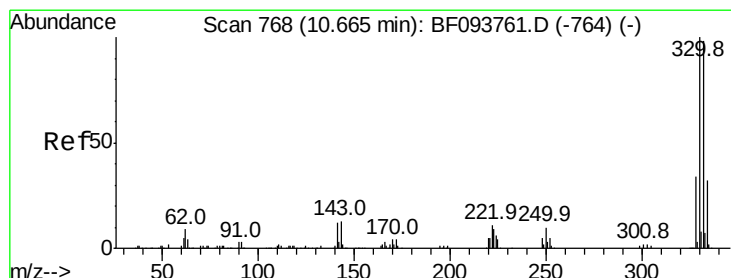
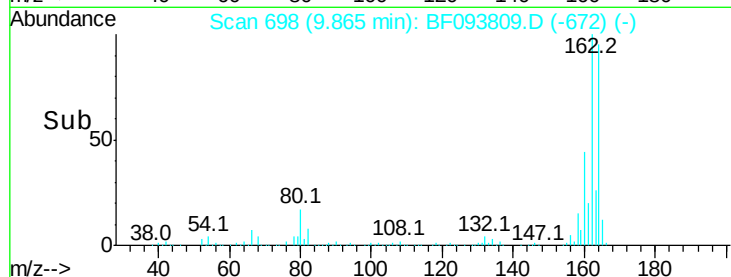
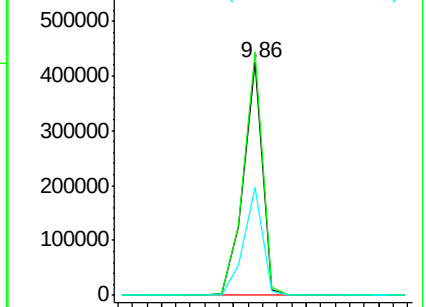
160 46.1 36.2 54.2



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: 96.29 ng

RT: 10.65 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF093809.D

Acq: 21 Mar 2017 20:17

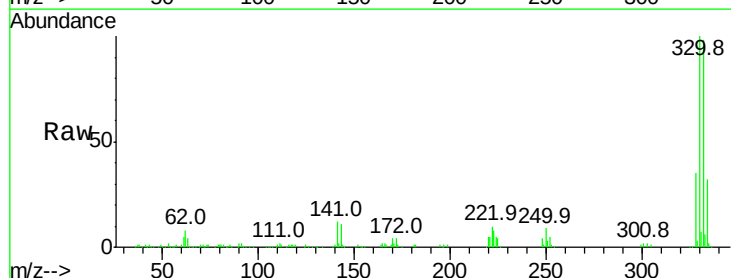
Tgt Ion:330 Resp: 287522

Ion Ratio Lower Upper

330 100

332 97.5 76.6 115.0

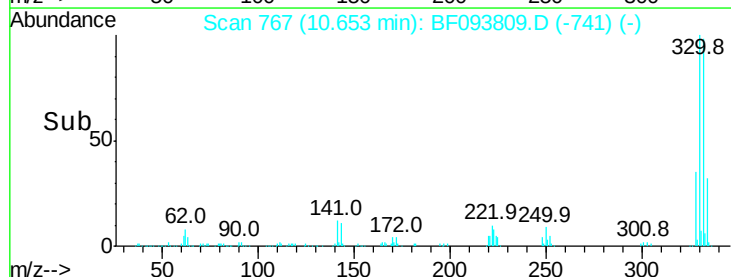
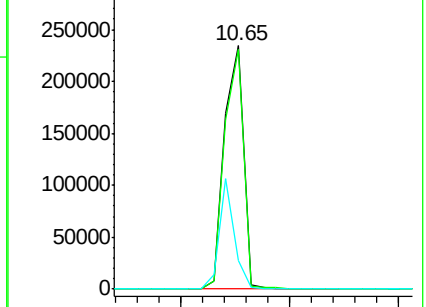
141 36.2 31.4 47.2

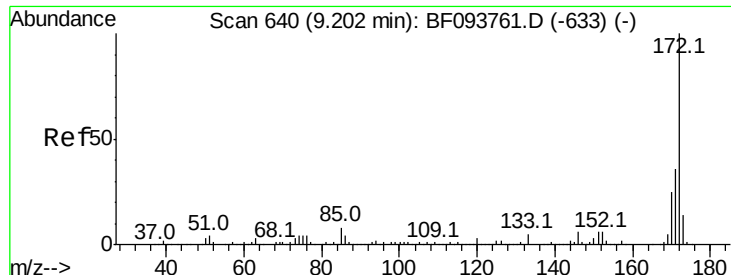


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



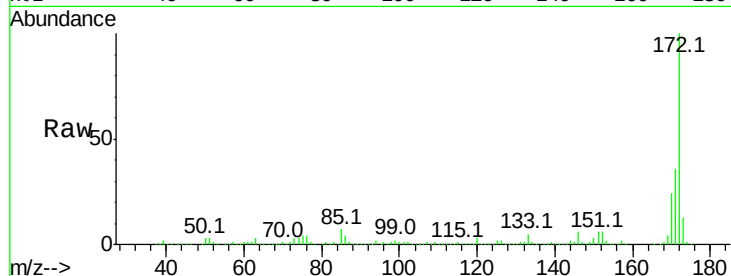


#44
 2-Fluorobiphenyl
 Concen: 66.51 ng
 RT: 9.19 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: BF093809.D
 Acq: 21 Mar 2017 20:17

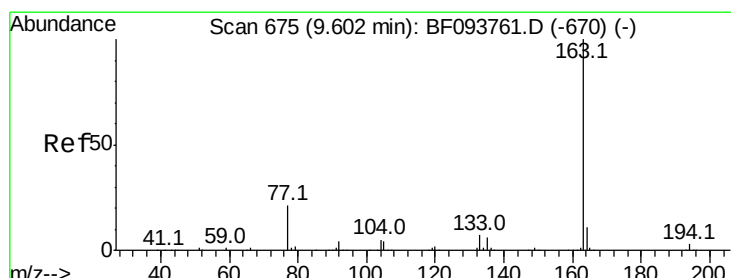
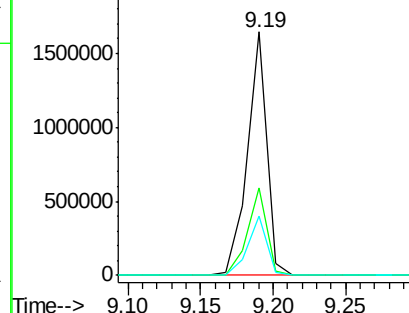
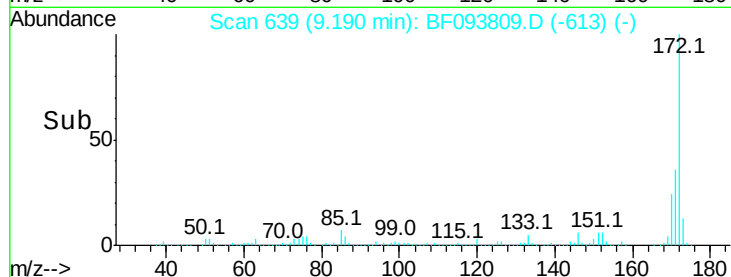
Instrument :
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 FK-SF-01-003-B

Tot Ion:172 Resp: 1524884

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.4	19.8	29.8



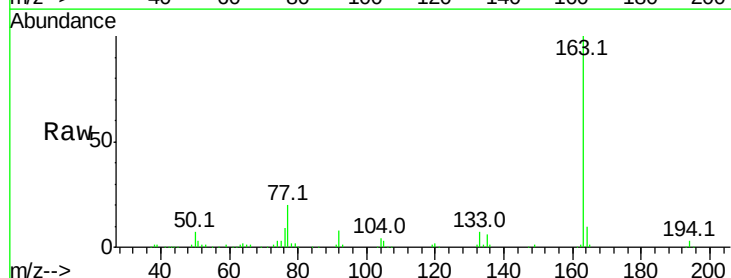
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



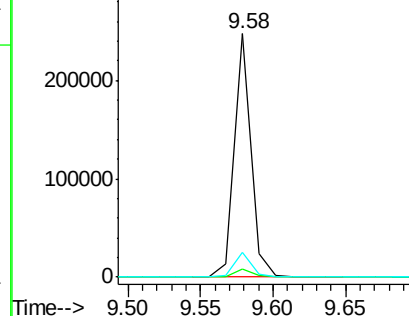
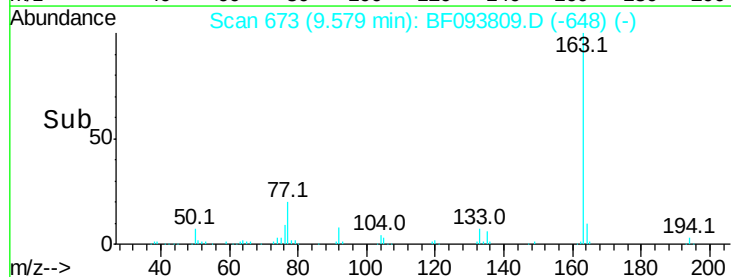
#49
 Dimethylphthalate
 Concen: 7.21 ng
 RT: 9.58 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: BF093809.D
 Acq: 21 Mar 2017 20:17

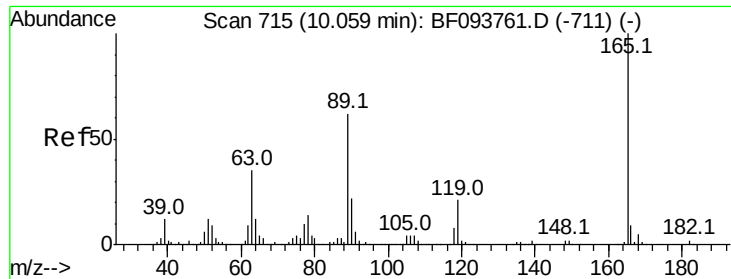
Tgt Ion:163 Resp: 197731

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: 6.62 ng

RT: 9.86 min Scan# 698

Delta R.T. -0.18 min

Lab File: BF093809.D

Acq: 21 Mar 2017 20:17

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-003-B

Tot Ion:165 Resp: 50615

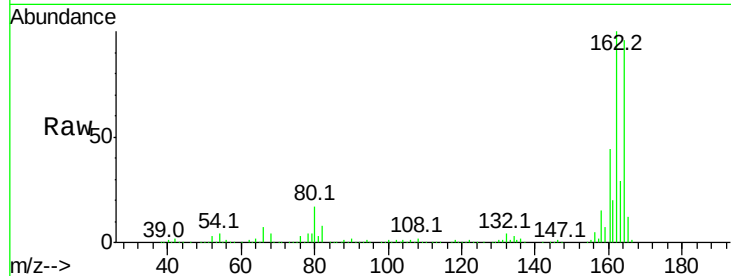
Ion Ratio Lower Upper

165 100

63 1.2 25.4 38.0#

89 1.1 46.4 69.6#

182 0.0 1.8 2.6#

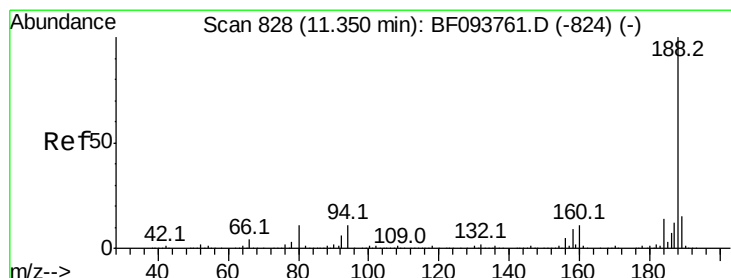
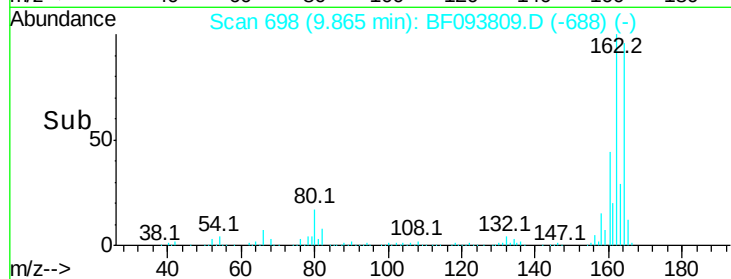
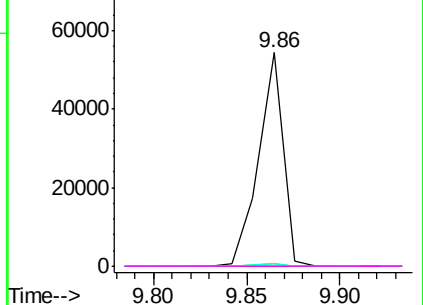


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF093809.D

Acq: 21 Mar 2017 20:17

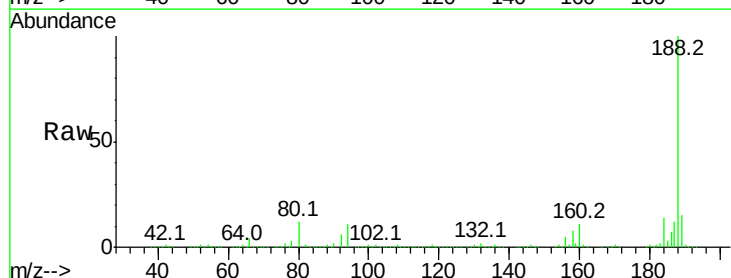
Tgt Ion:188 Resp: 631657

Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

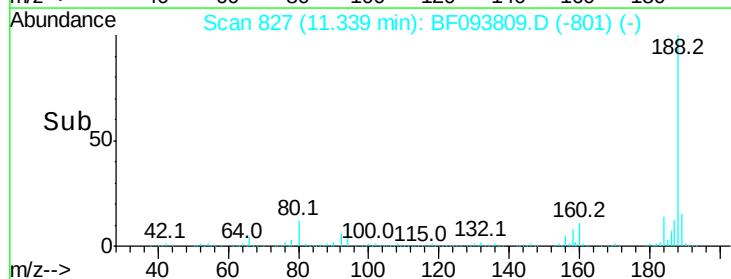
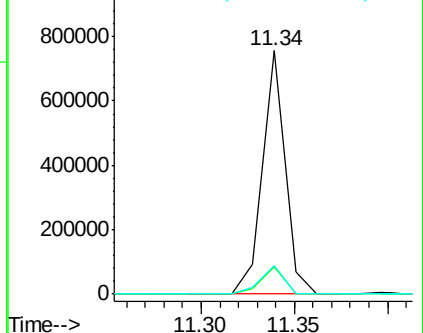
80 11.7 10.2 15.2

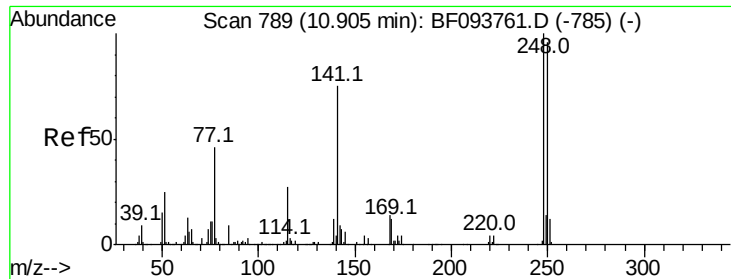


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.96 ng

RT: 10.64 min Scan# 766

Delta R.T. -0.25 min

Lab File: BF093809.D

Acq: 21 Mar 2017 20:17

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-003-B

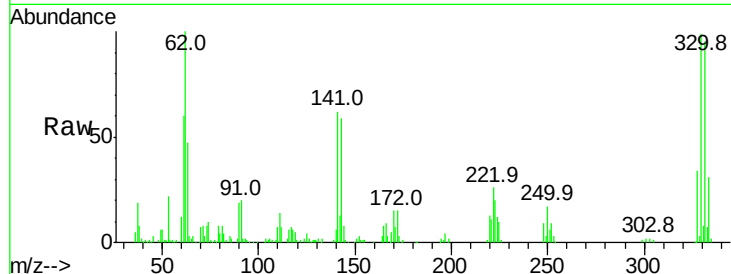
Tot Ion:248 Resp: 17980

Ion Ratio Lower Upper

248 100

250 199.4 76.8 115.2#

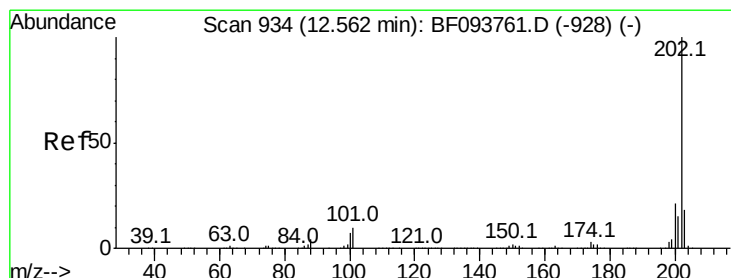
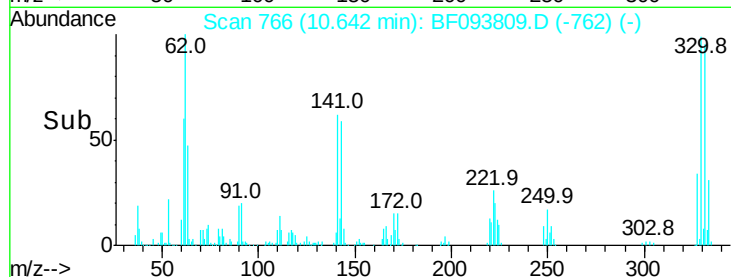
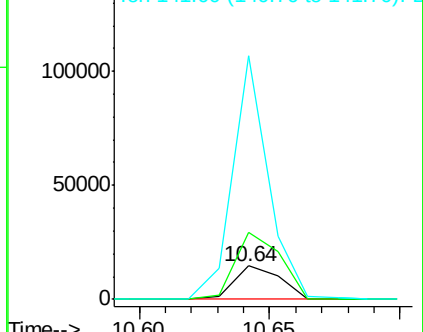
141 729.4 68.6 103.0#



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



#74

Fluoranthene

Concen: 2.11 ng

RT: 12.54 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF093809.D

Acq: 21 Mar 2017 20:17

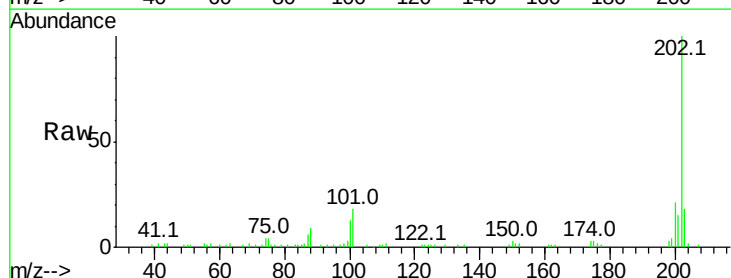
Tgt Ion:202 Resp: 72838

Ion Ratio Lower Upper

202 100

101 18.4 0.0 33.2

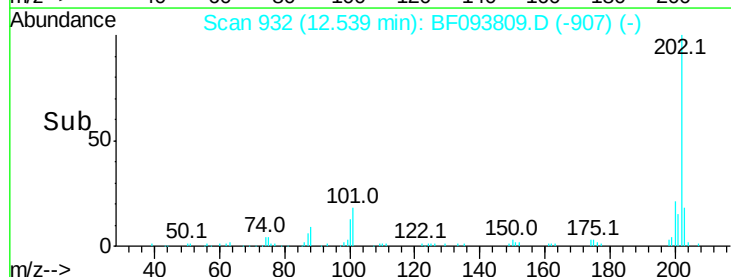
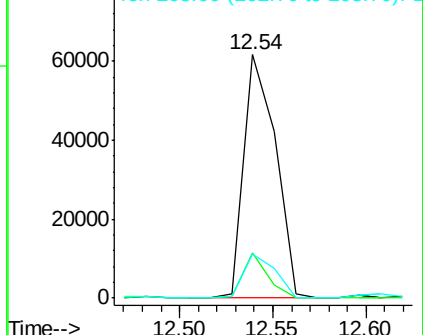
203 17.9 0.0 38.1

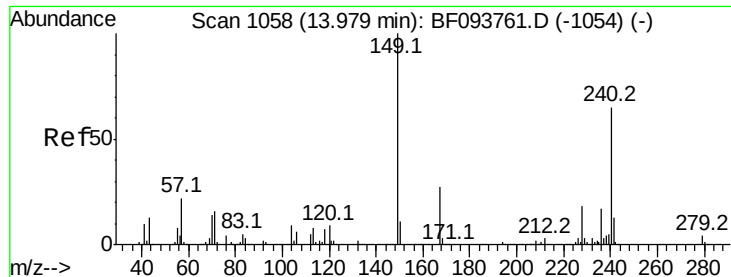


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF093809.D

Acq: 21 Mar 2017 20:17

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-003-B

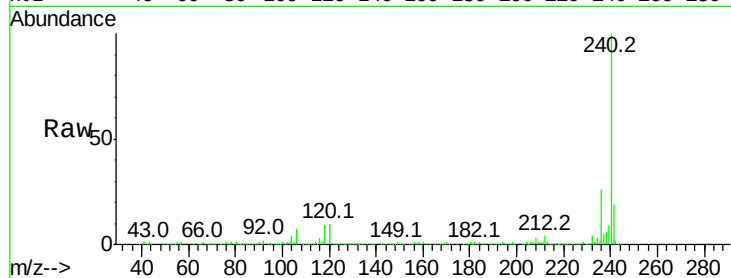
Tot Ion:240 Resp: 399849

Ion Ratio Lower Upper

240 100

120 10.4 5.8 8.8#

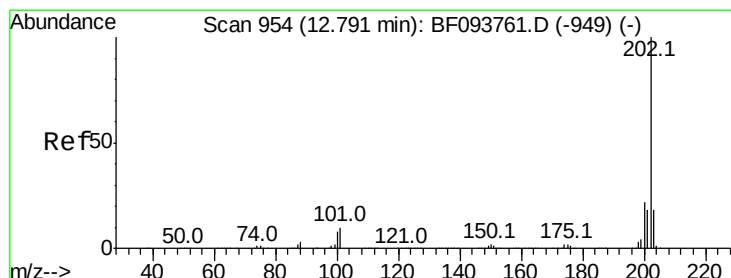
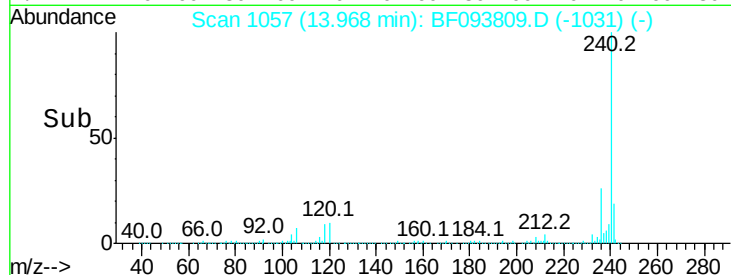
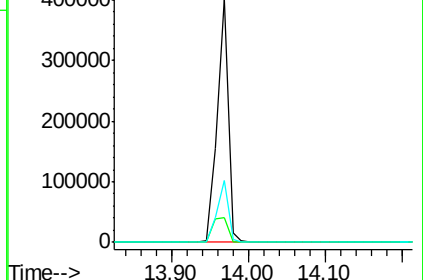
236 25.5 20.5 30.7



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: 2.07 ng

RT: 12.77 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF093809.D

Acq: 21 Mar 2017 20:17

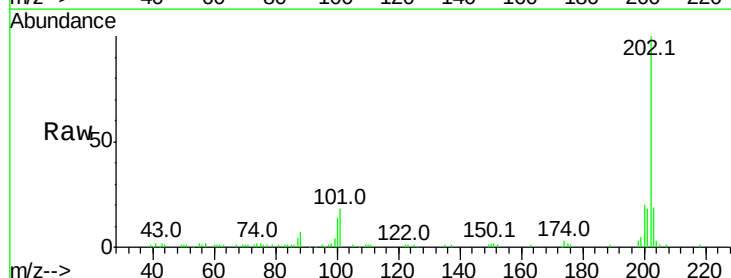
Tgt Ion:202 Resp: 68788

Ion Ratio Lower Upper

202 100

200 19.9 17.6 26.4

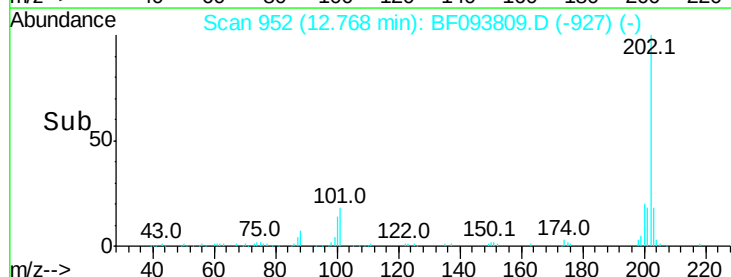
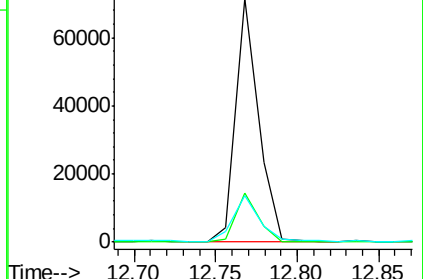
203 18.9 14.4 21.6

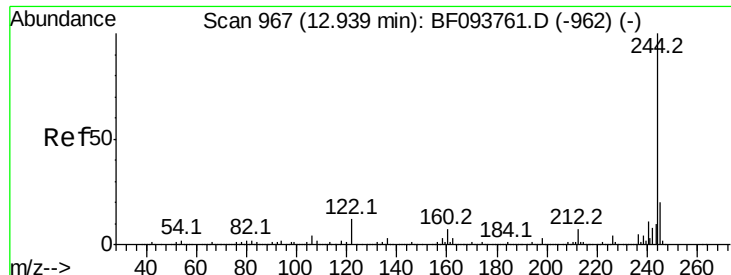


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.87 ng

RT: 12.93 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF093809.D

Acq: 21 Mar 2017 20:17

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-003-B

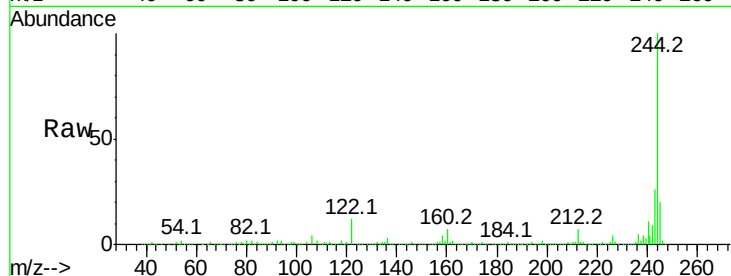
Tot Ion:244 Resp: 1115326

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

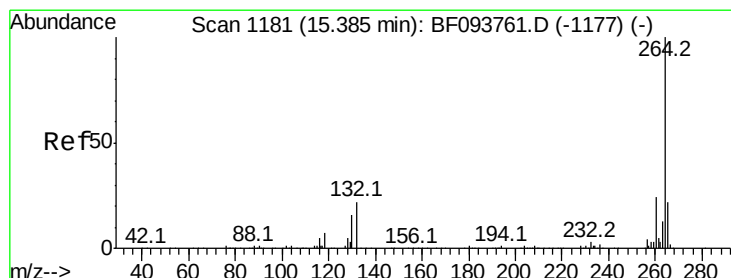
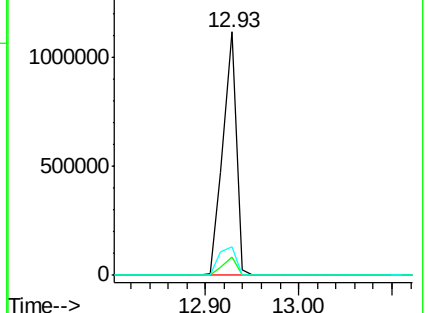
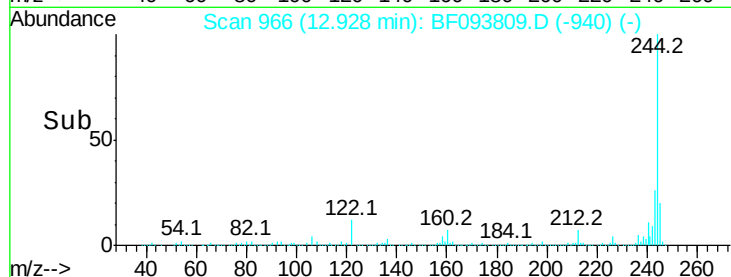
122 11.8 10.3 15.5



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: 15.37 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BF093809.D

Acq: 21 Mar 2017 20:17

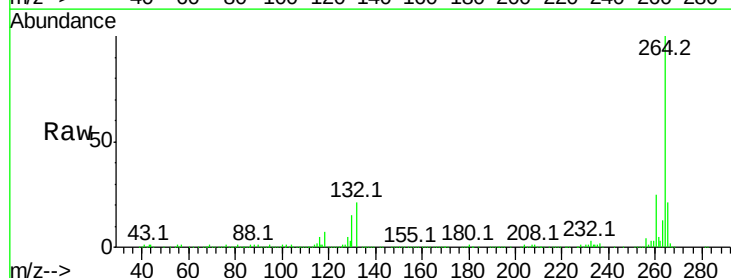
Tgt Ion:264 Resp: 362266

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

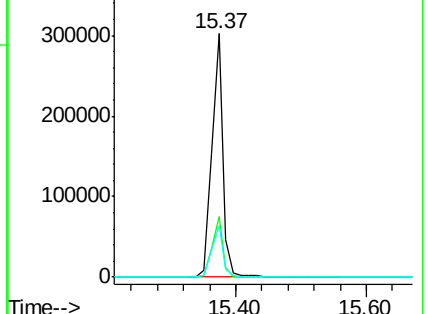
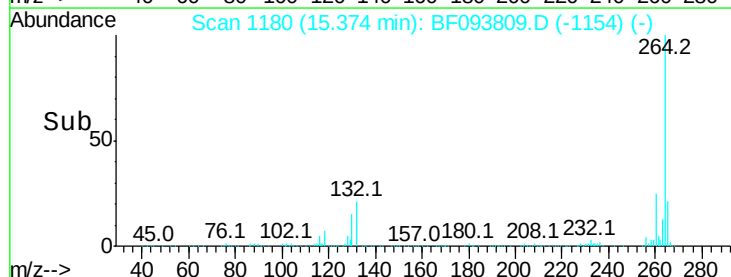
265 21.1 17.2 25.8

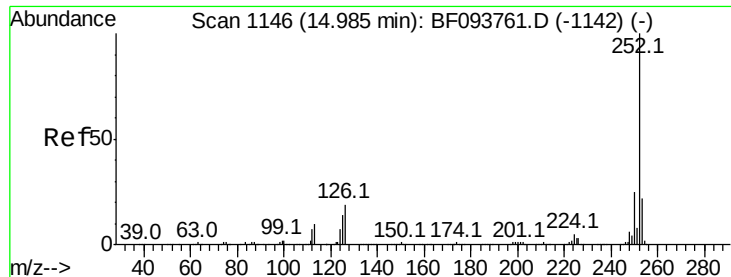


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(k)fluoranthene

Concen: 2.37 ng

RT: 14.97 min Scan# 1145

Delta R.T. -0.03 min

Lab File: BF093809.D

Acq: 21 Mar 2017 20:17

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-003-B

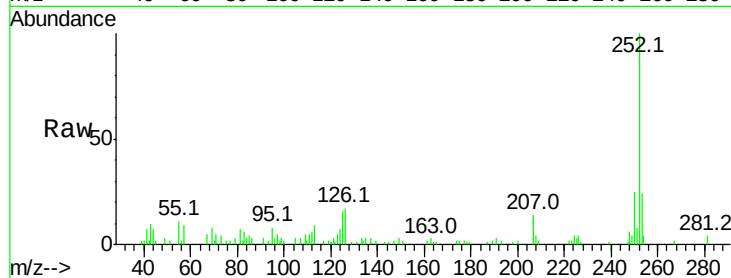
Tot Ion:252 Resp: 42763

Ion Ratio Lower Upper

252 100

253 23.5 18.4 27.6

125 16.2 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

