

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032117\
 Data File : BF093806.D
 Acq On : 21 Mar 2017 18:54
 Operator : SJ/MA
 Sample : I2332-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-002-A

Quant Time: Mar 22 00:55:03 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	203736	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	818033	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	389557	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	638292	20.00	ng	0.00
75) Chrysene-d12	13.97	240	409470	20.00	ng	0.00
86) Perylene-d12	15.37	264	352856	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1201163	103.10	ng	0.01
7) Phenol-d6	6.46	99	1430022	99.33	ng	0.00
23) Nitrobenzene-d5	7.38	82	825051	57.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	281345	93.24	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1510567	65.20	ng	0.00
78) Terphenyl-d14	12.93	244	1134455	56.49	ng	0.00

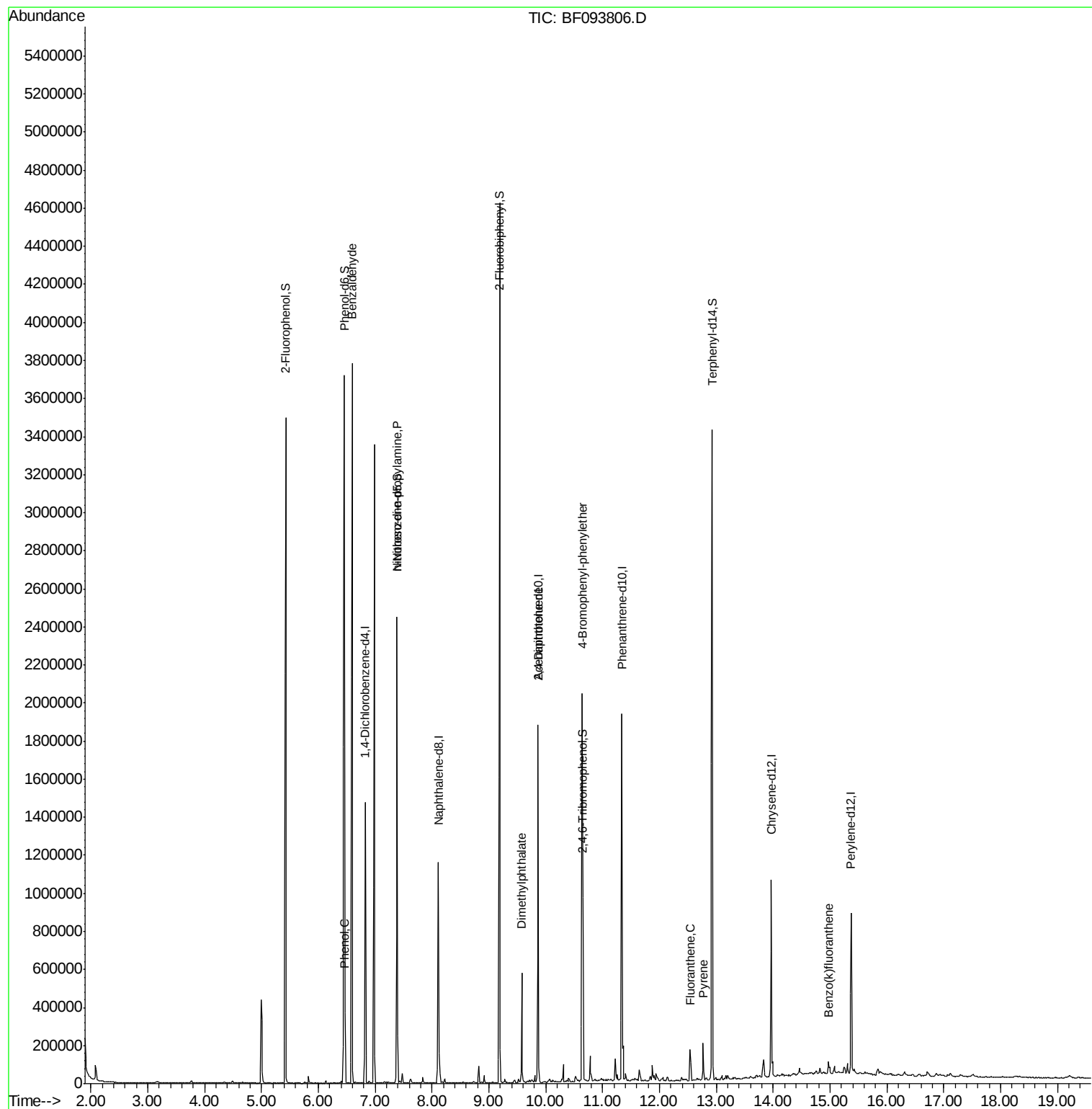
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	25428	2.50	ng	83
10) Phenol	6.47	94	85414	5.28	ng	85
19) n-Nitroso-di-n-propylamine	7.38	70	112896	11.97	ng	# 79
49) Dimethylphthalate	9.58	163	219202	7.91	ng	99
56) 2,4-Dinitrotoluene	9.86	165	50976	6.60	ng	# 33
66) 4-Bromophenyl-phenylether	10.64	248	18782	3.06	ng	# 1
74) Fluoranthene	12.54	202	79053	2.26	ng	94
77) Pyrene	12.77	202	74409	2.18	ng	97
88) Benzo(k)fluoranthene	14.97	252	39774	2.26	ng	99

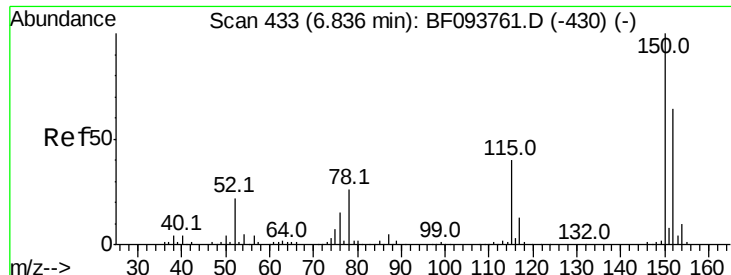
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF093806.D

Acq: 21 Mar 2017 18:54

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-002-A

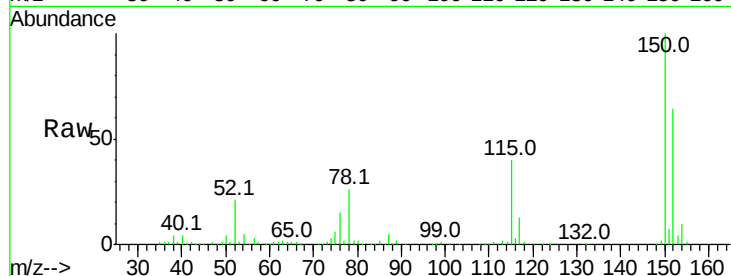
Tot Ion:152 Resp: 203736

Ion Ratio Lower Upper

152 100

150 157.1 126.2 189.2

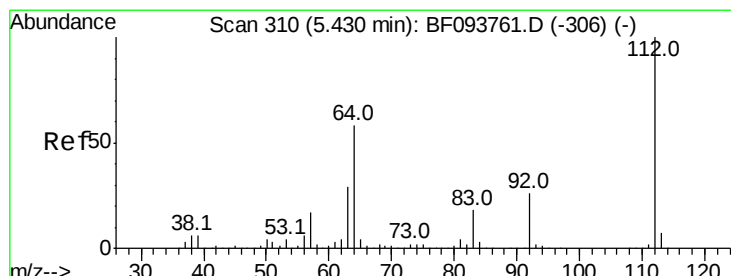
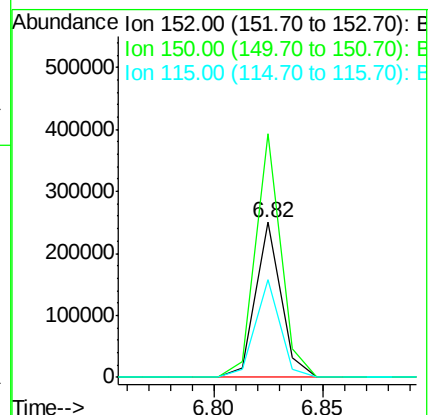
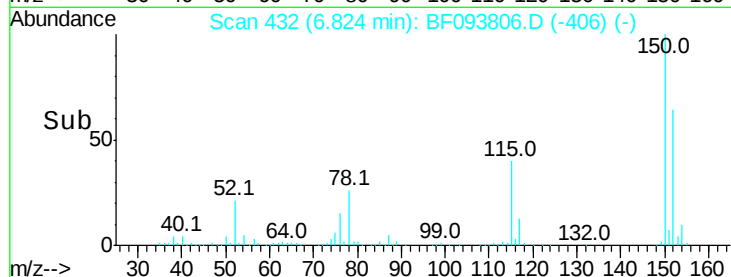
115 63.3 52.2 78.2



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: 103.10 ng

RT: 5.43 min Scan# 310

Delta R.T. 0.01 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

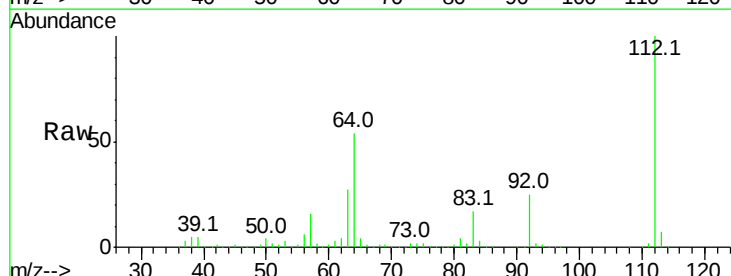
Tgt Ion:112 Resp: 1201163

Ion Ratio Lower Upper

112 100

64 54.3 46.0 69.0

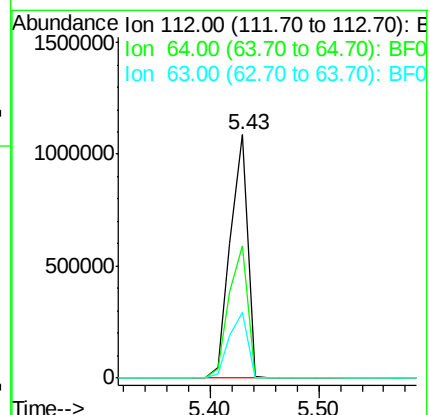
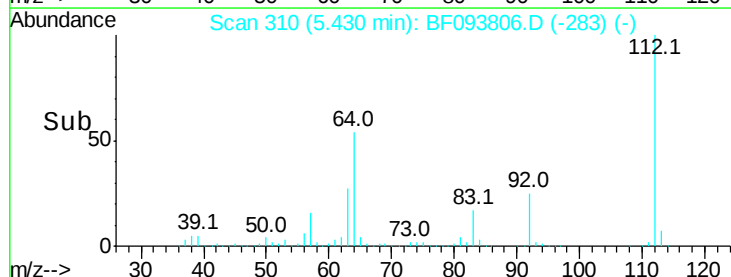
63 26.9 23.4 35.0

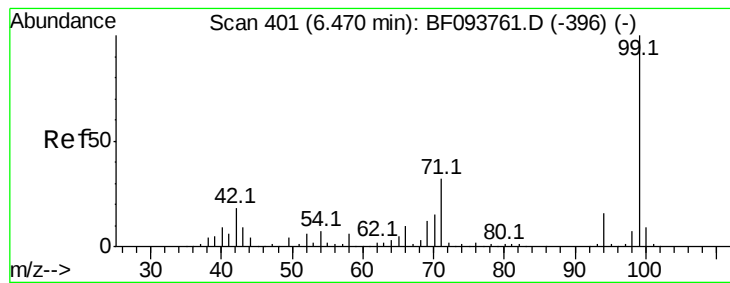


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.33 ng

RT: 6.46 min Scan# 400

Delta R.T. -0.00 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-002-A

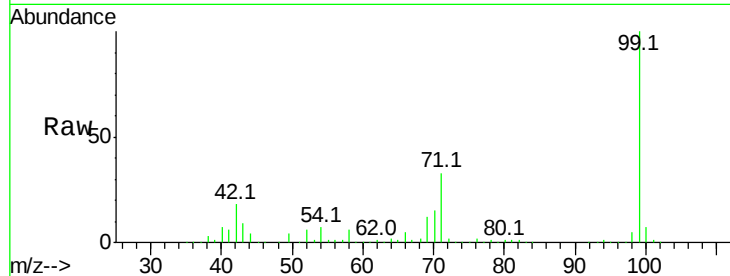
Tot Ion: 99 Resp: 1430022

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

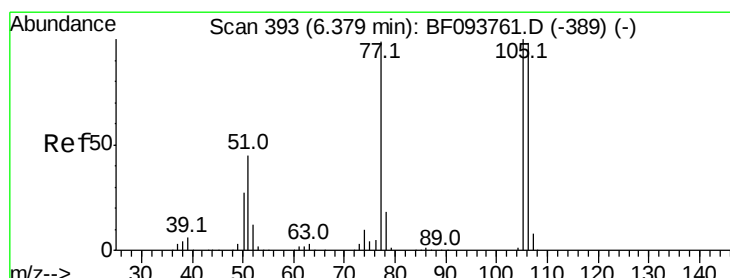
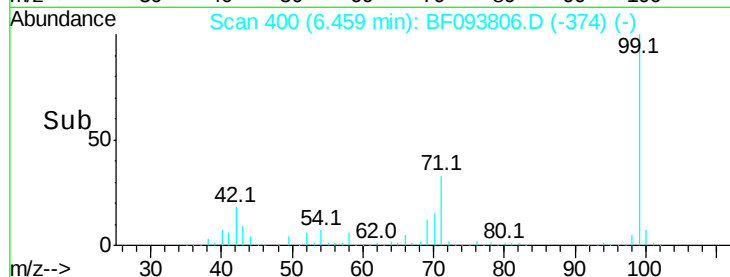
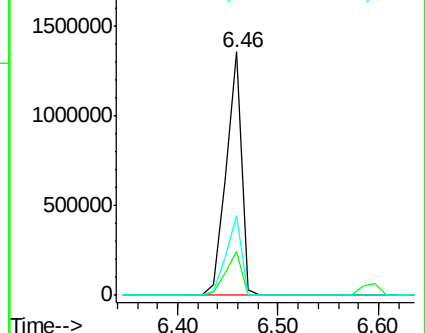
71 32.8 24.5 36.7



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: 2.50 ng

RT: 6.60 min Scan# 412

Delta R.T. 0.23 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

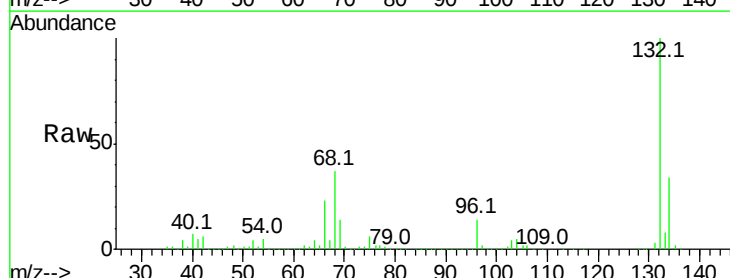
Tgt Ion: 77 Resp: 25428

Ion Ratio Lower Upper

77 100

105 88.4 83.8 123.8

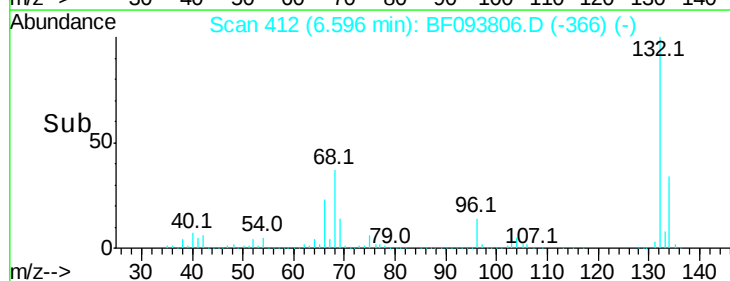
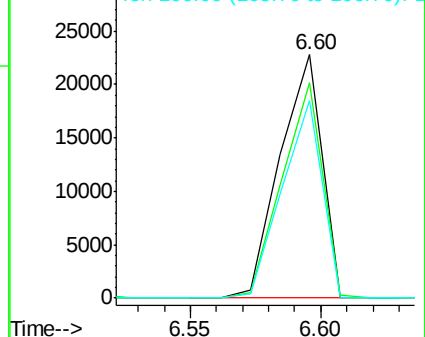
106 81.0 79.1 119.1

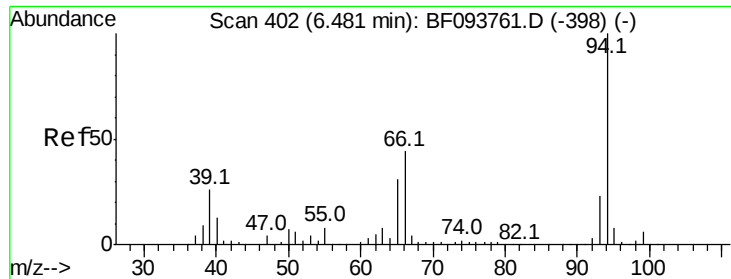


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 5.28 ng

RT: 6.47 min Scan# 401

Delta R.T. -0.00 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-002-A

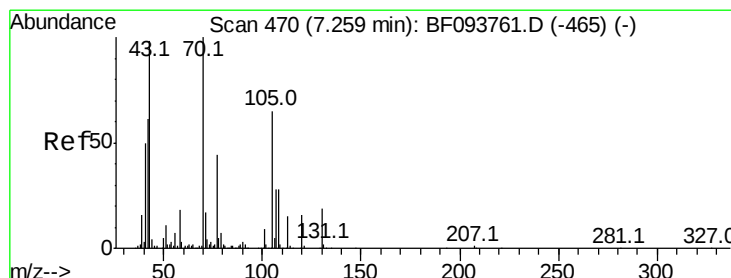
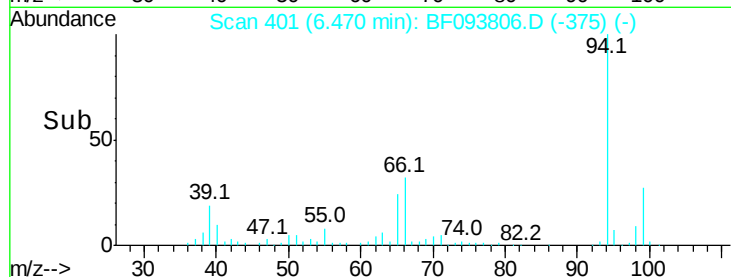
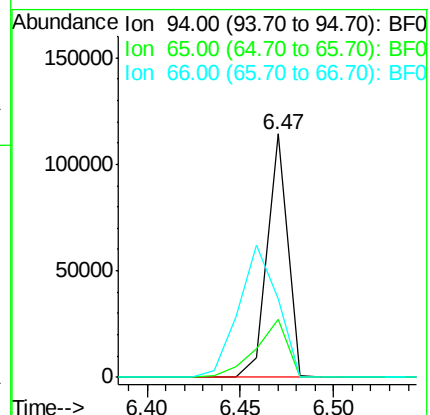
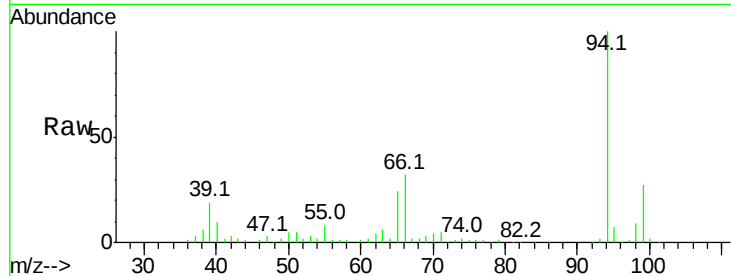
Tot Ion: 94 Resp: 85414

Ion Ratio Lower Upper

94 100

65 23.8 9.9 49.9

66 32.1 23.1 63.1



#19

n-Nitroso-di-n-propylamine

Concen: 11.97 ng

RT: 7.38 min Scan# 481

Delta R.T. 0.14 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

Tgt Ion: 70 Resp: 112896

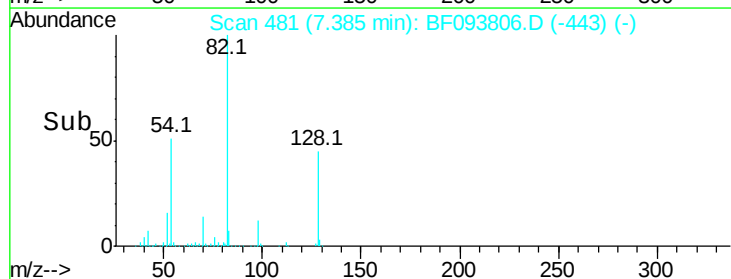
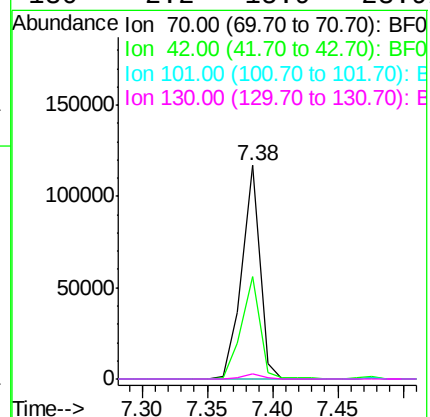
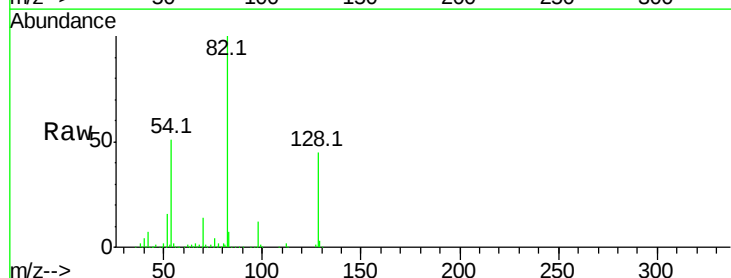
Ion Ratio Lower Upper

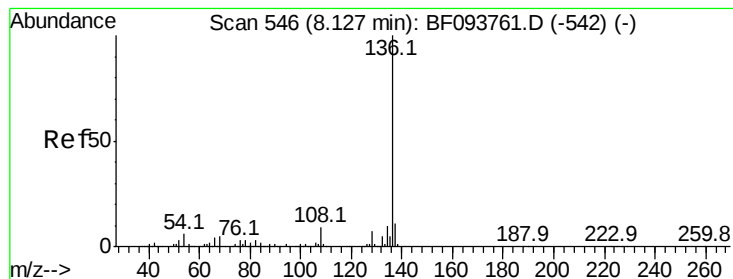
70 100

42 47.7 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: 8.12 min Scan# 545

Delta R.T. -0.00 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-002-A

Tot Ion:136 Resp: 818033

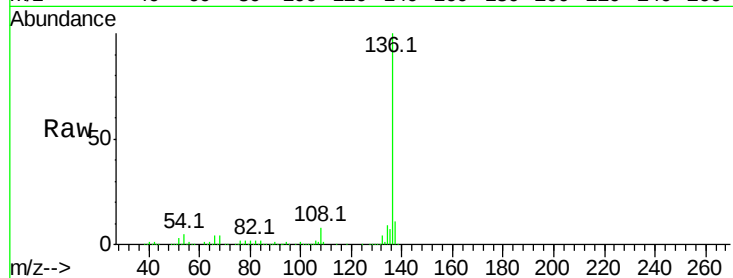
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 5.2 4.9 7.3

68 4.5 4.1 6.1

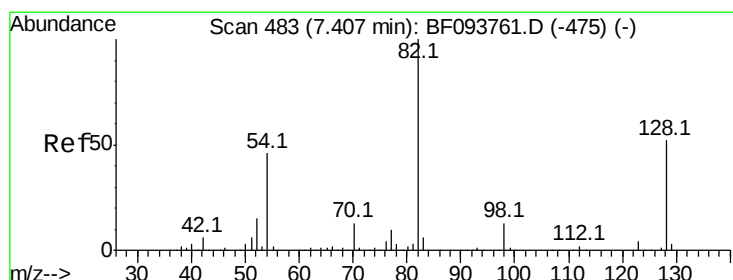
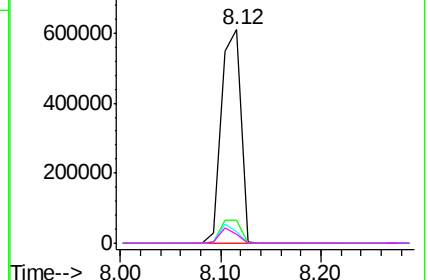
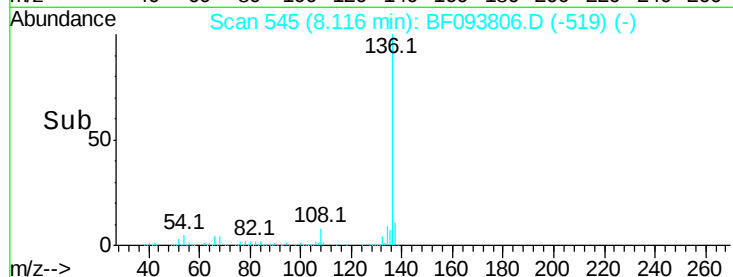


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.21 ng

RT: 7.38 min Scan# 481

Delta R.T. -0.01 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

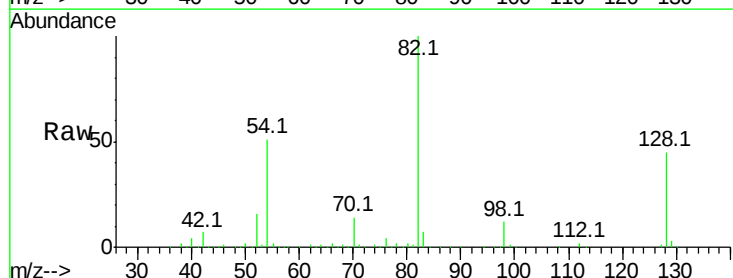
Tgt Ion: 82 Resp: 825051

Ion Ratio Lower Upper

82 100

128 44.8 34.0 51.0

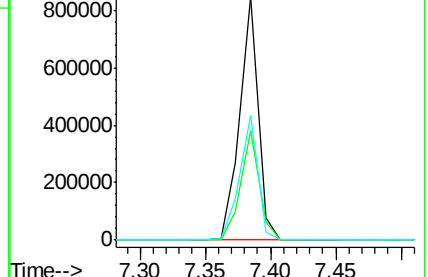
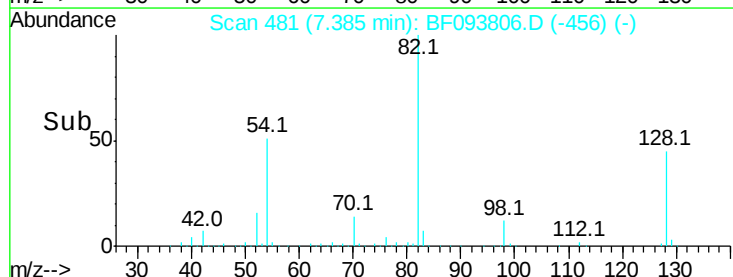
54 50.9 42.2 63.2

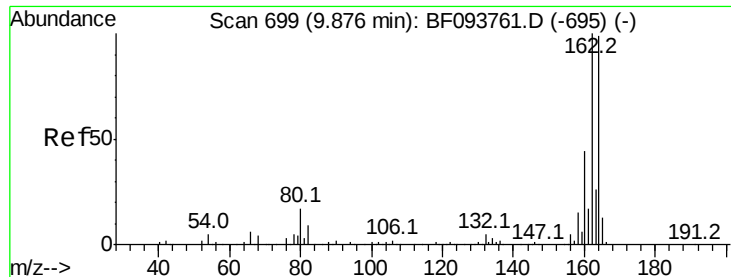


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

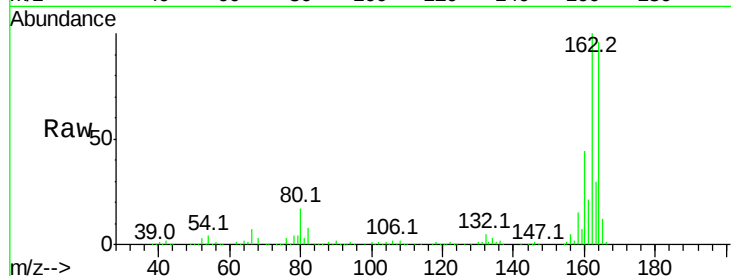




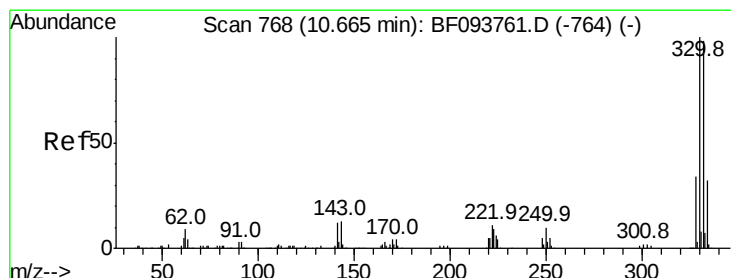
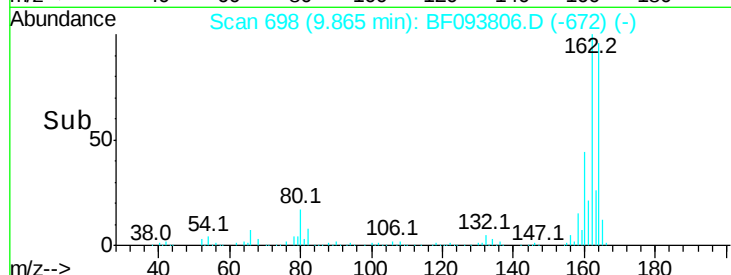
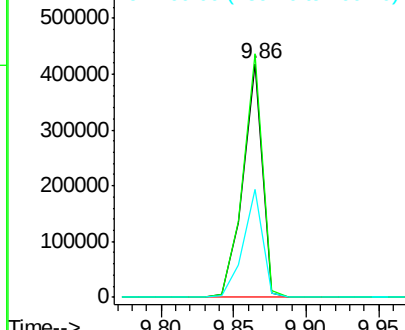
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 698
Delta R.T. -0.00 min
Lab File: BF093806.D
Acq: 21 Mar 2017 18:54

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-002-A

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.6	123.8
160	46.2	36.2	54.2

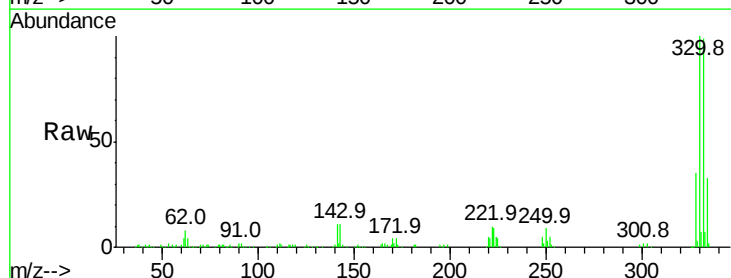


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

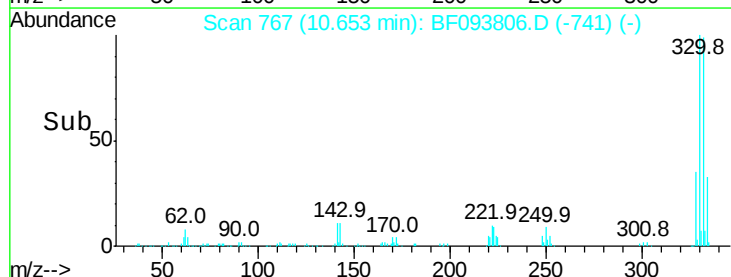
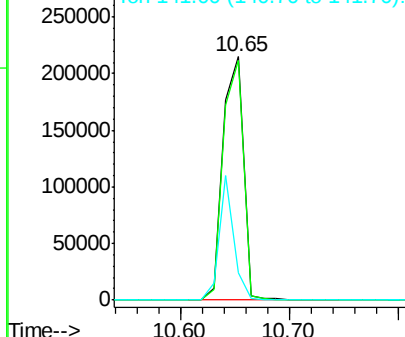


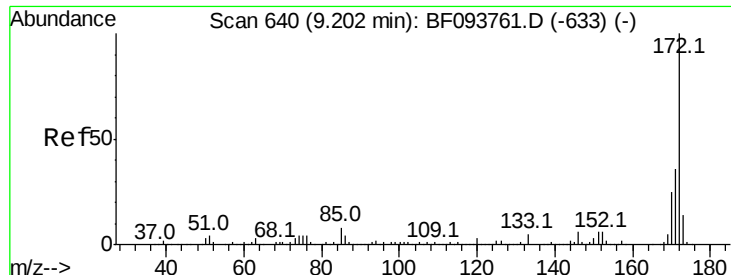
#41
2,4,6-Tribromophenol
Concen: 93.24 ng
RT: 10.65 min Scan# 767
Delta R.T. -0.00 min
Lab File: BF093806.D
Acq: 21 Mar 2017 18:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.6	115.0
141	37.3	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



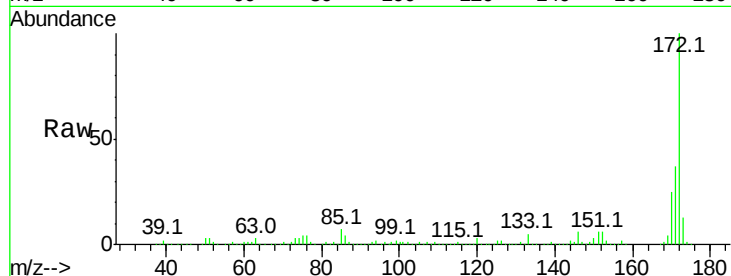


#44
 2-Fluorobiphenyl
 Concen: 65.20 ng
 RT: 9.19 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: BF093806.D
 Acq: 21 Mar 2017 18:54

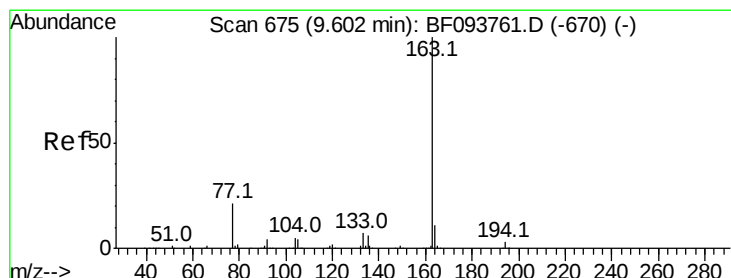
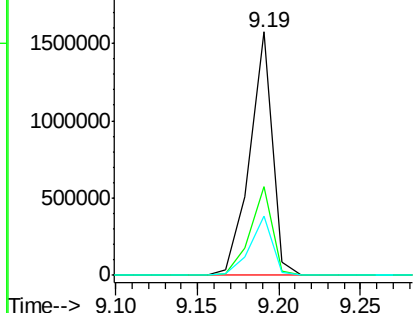
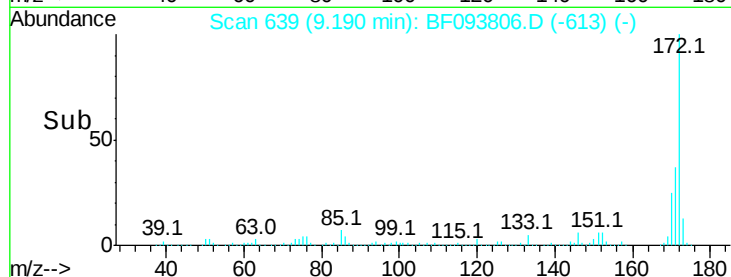
Instrument :
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Tot Ion:172 Resp: 1510567

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.6	19.8	29.8



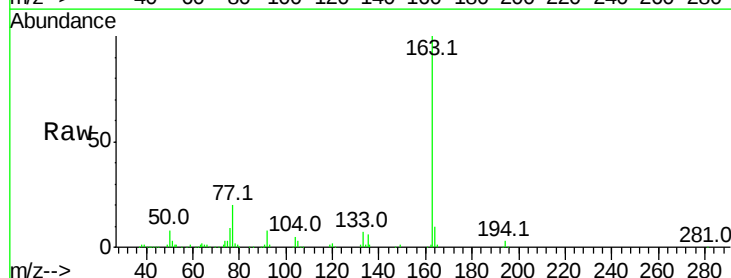
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



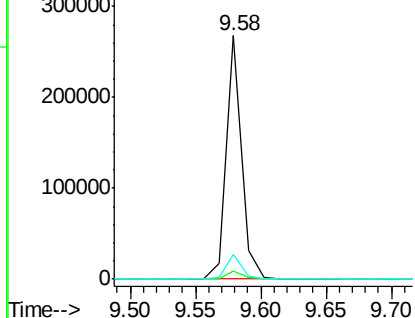
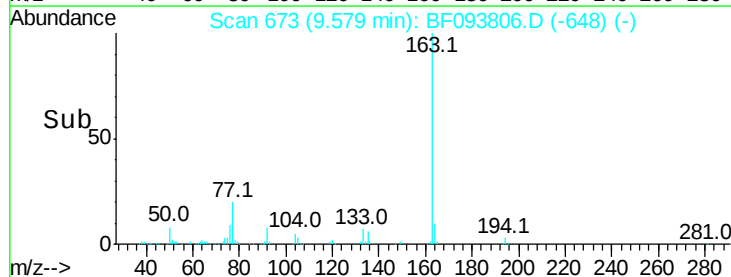
#49
 Dimethylphthalate
 Concen: 7.91 ng
 RT: 9.58 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: BF093806.D
 Acq: 21 Mar 2017 18:54

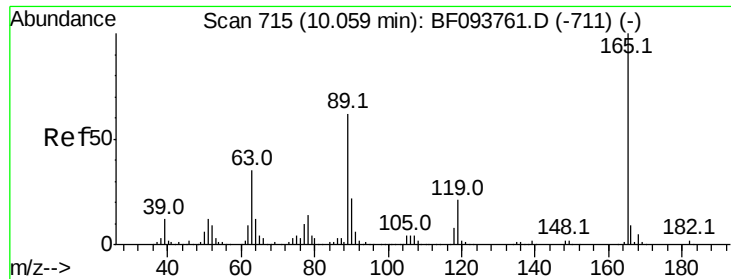
Tgt Ion:163 Resp: 219202

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.2	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: 6.60 ng

RT: 9.86 min Scan# 698

Delta R.T. -0.18 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-002-A

Tot Ion:165 Resp: 50976

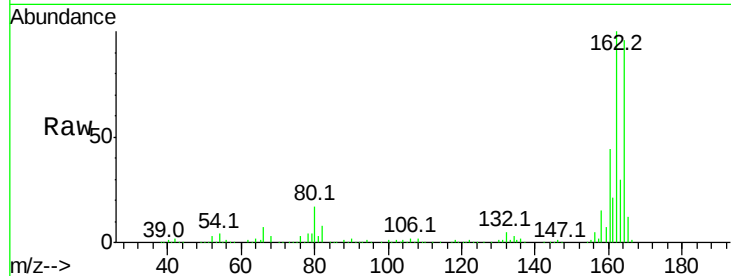
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 2.0 46.4 69.6#

182 0.0 1.8 2.6#

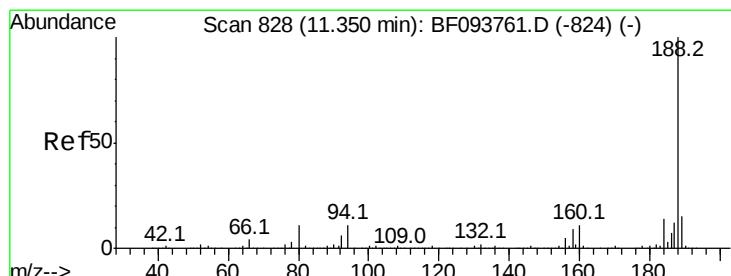
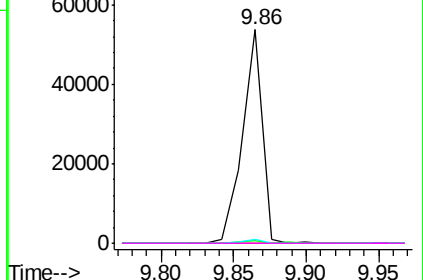
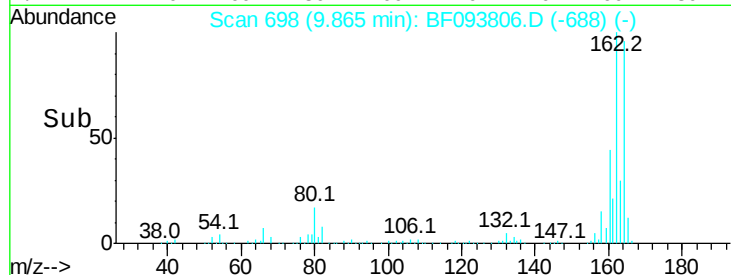


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 827

Delta R.T. -0.00 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

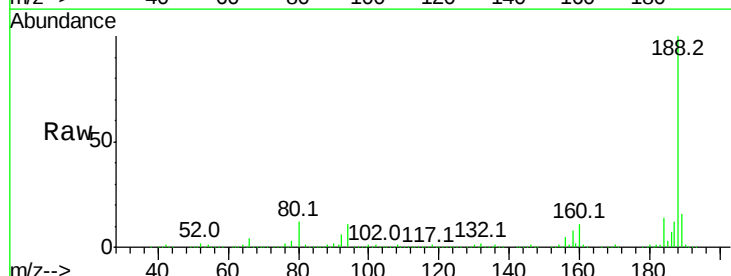
Tgt Ion:188 Resp: 638292

Ion Ratio Lower Upper

188 100

94 11.2 9.4 14.2

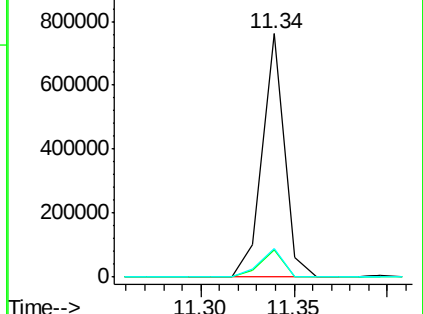
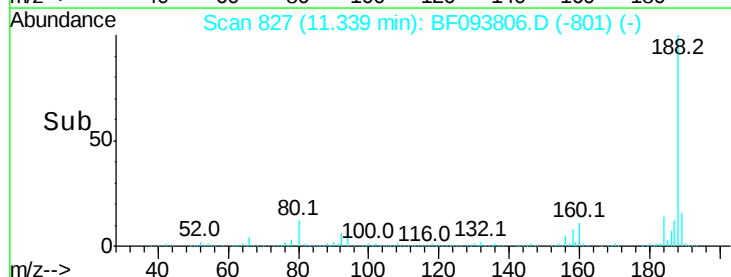
80 11.7 10.2 15.2

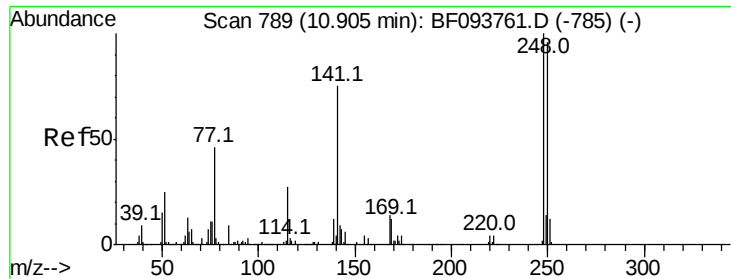


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

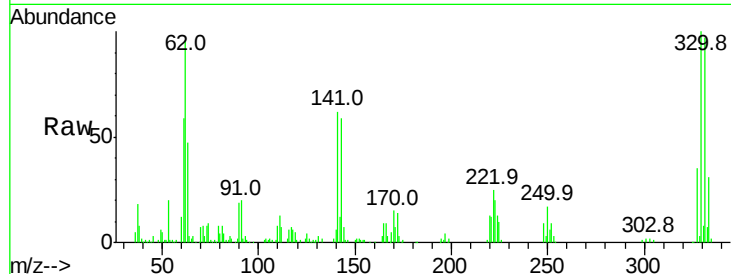




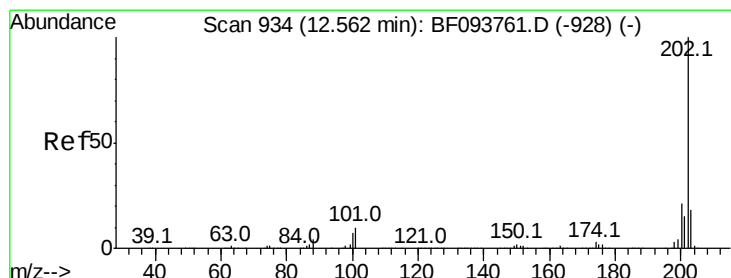
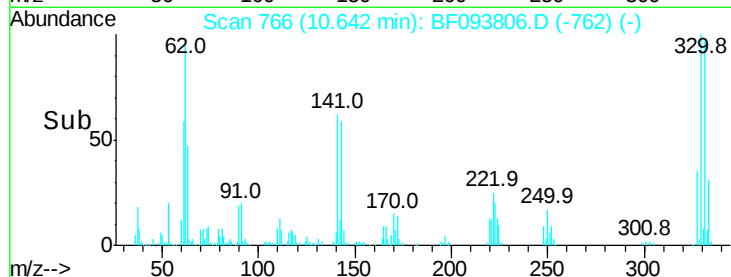
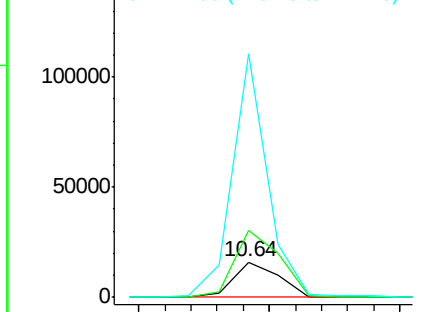
#66
 4-Bromophenyl-phenylether
 Concen: 3.06 ng
 RT: 10.64 min Scan# 766
 Delta R.T. -0.25 min
 Lab File: BF093806.D
 Acq: 21 Mar 2017 18:54

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-002-A

Tot Ion:248 Resp: 18782
 Ion Ratio Lower Upper
 248 100
 250 190.7 76.8 115.2#
 141 696.9 68.6 103.0#

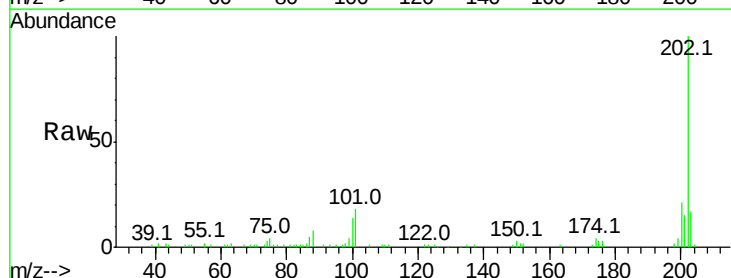


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

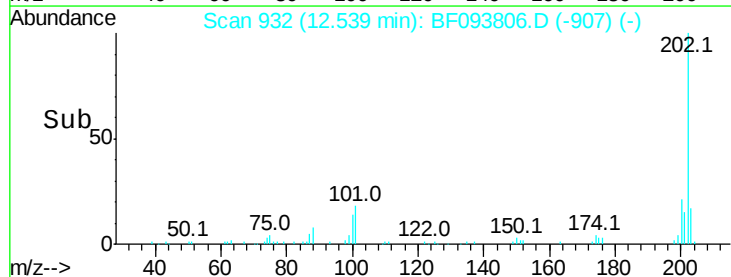
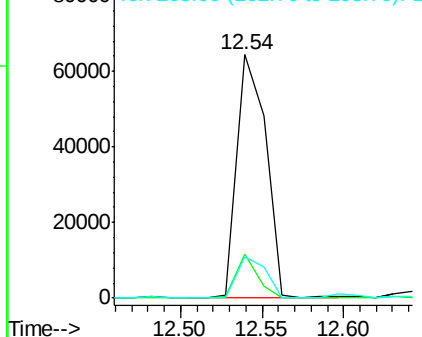


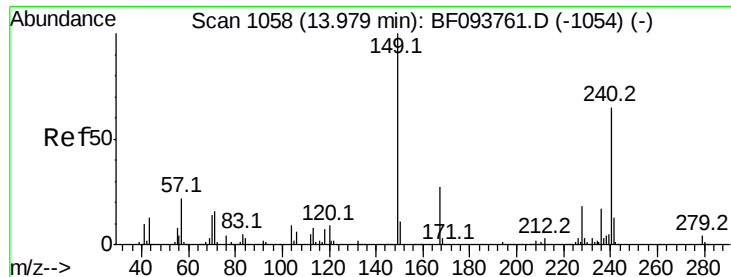
#74
 Fluoranthene
 Concen: 2.26 ng
 RT: 12.54 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: BF093806.D
 Acq: 21 Mar 2017 18:54

Tgt Ion:202 Resp: 79053
 Ion Ratio Lower Upper
 202 100
 101 18.1 0.0 33.2
 203 17.1 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: BF093806.D

Acq: 21 Mar 2017 18:54

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-002-A

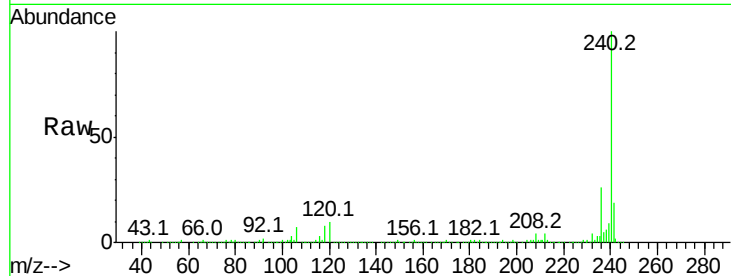
Tot Ion:240 Resp: 409470

Ion Ratio Lower Upper

240 100

120 9.6 5.8 8.8#

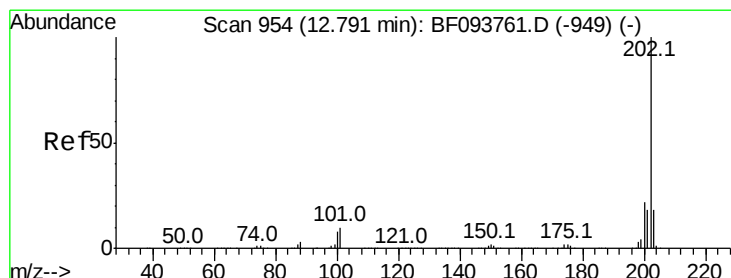
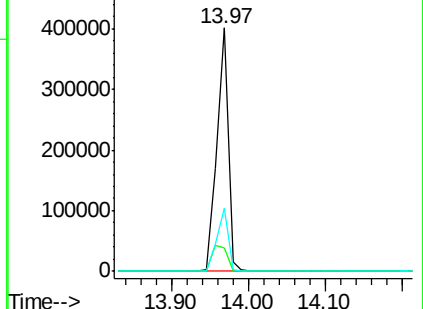
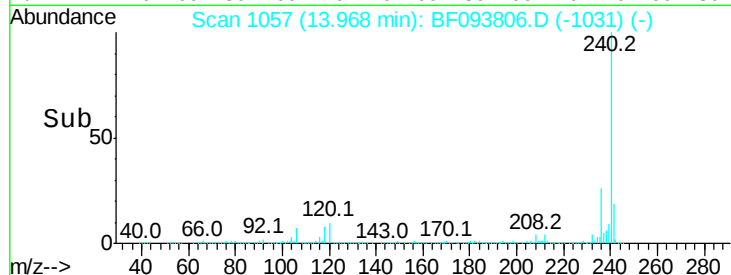
236 25.7 20.5 30.7



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: 2.18 ng

RT: 12.77 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

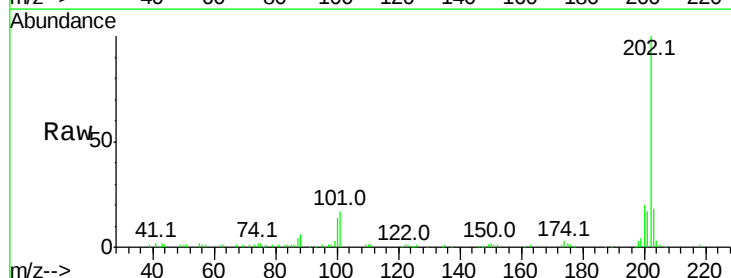
Tgt Ion:202 Resp: 74409

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

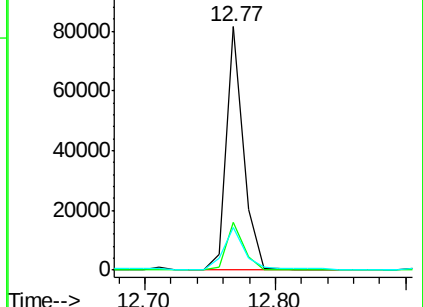
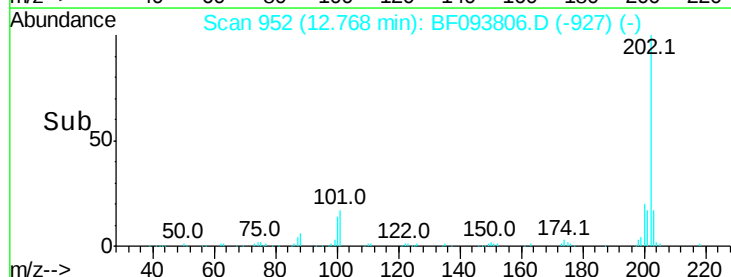
203 17.7 14.4 21.6

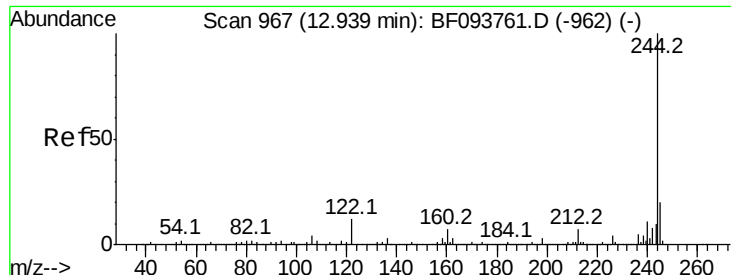


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.49 ng

RT: 12.93 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-002-A

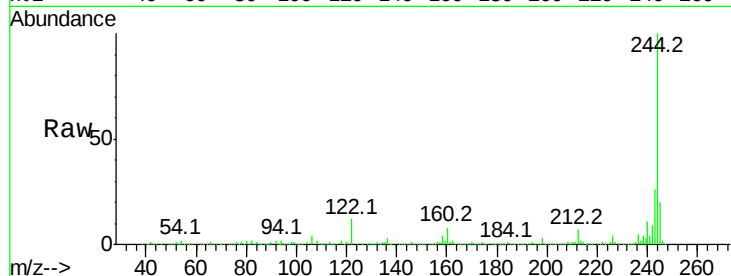
Tot Ion:244 Resp: 1134455

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

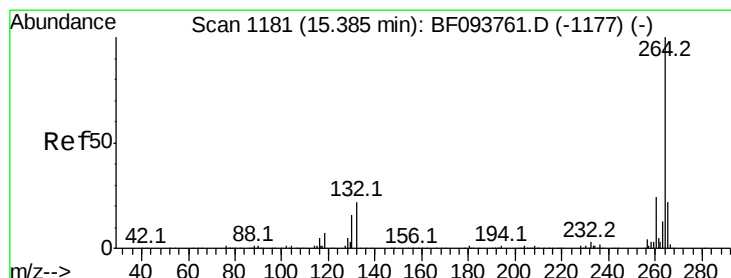
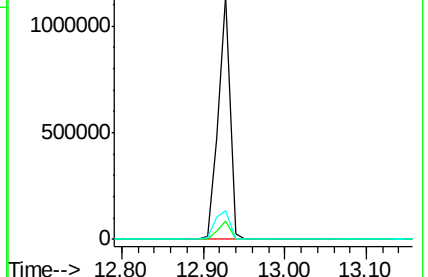
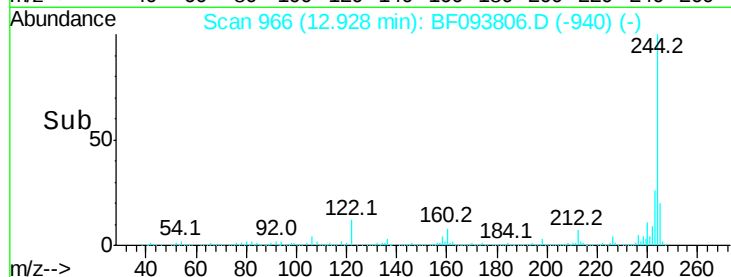
122 11.7 10.3 15.5



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: BF093806.D

Acq: 21 Mar 2017 18:54

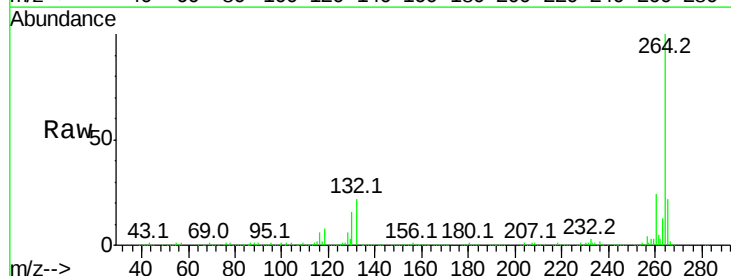
Tgt Ion:264 Resp: 352856

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

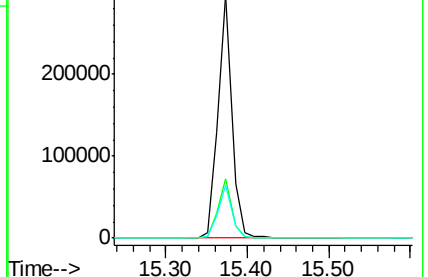
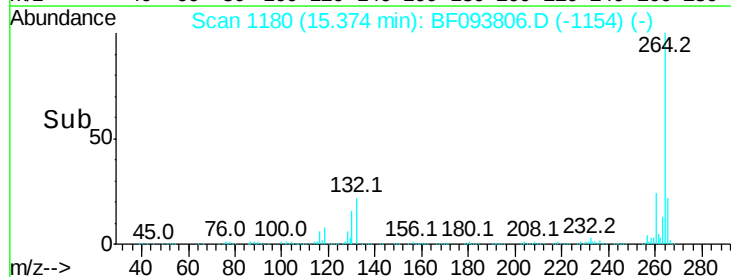
265 21.5 17.2 25.8

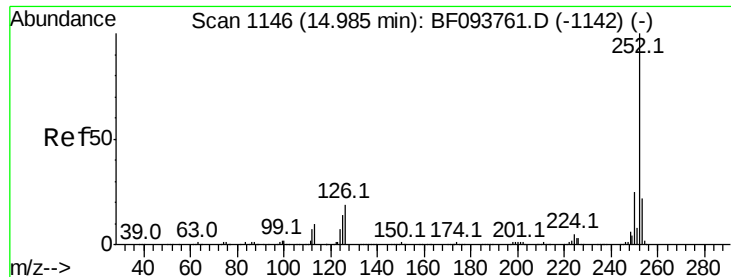


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(k)fluoranthene

Concen: 2.26 ng

RT: 14.97 min Scan# 1145

Delta R.T. -0.03 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-002-A

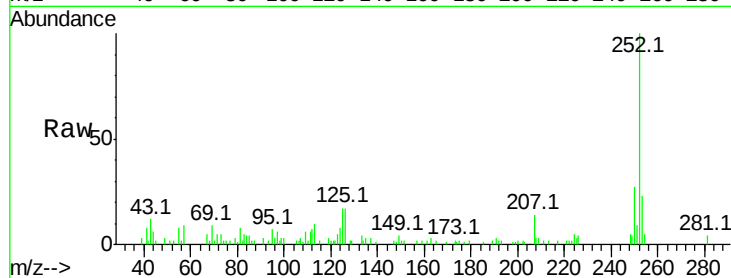
Tot Ion:252 Resp: 39774

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

125 17.2 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

