

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030117\
 Data File : BF093309.D
 Acq On : 2 Mar 2017 00:28
 Operator : SJ/MA
 Sample : I2036-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-001-C

Quant Time: Mar 02 01:32:14 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

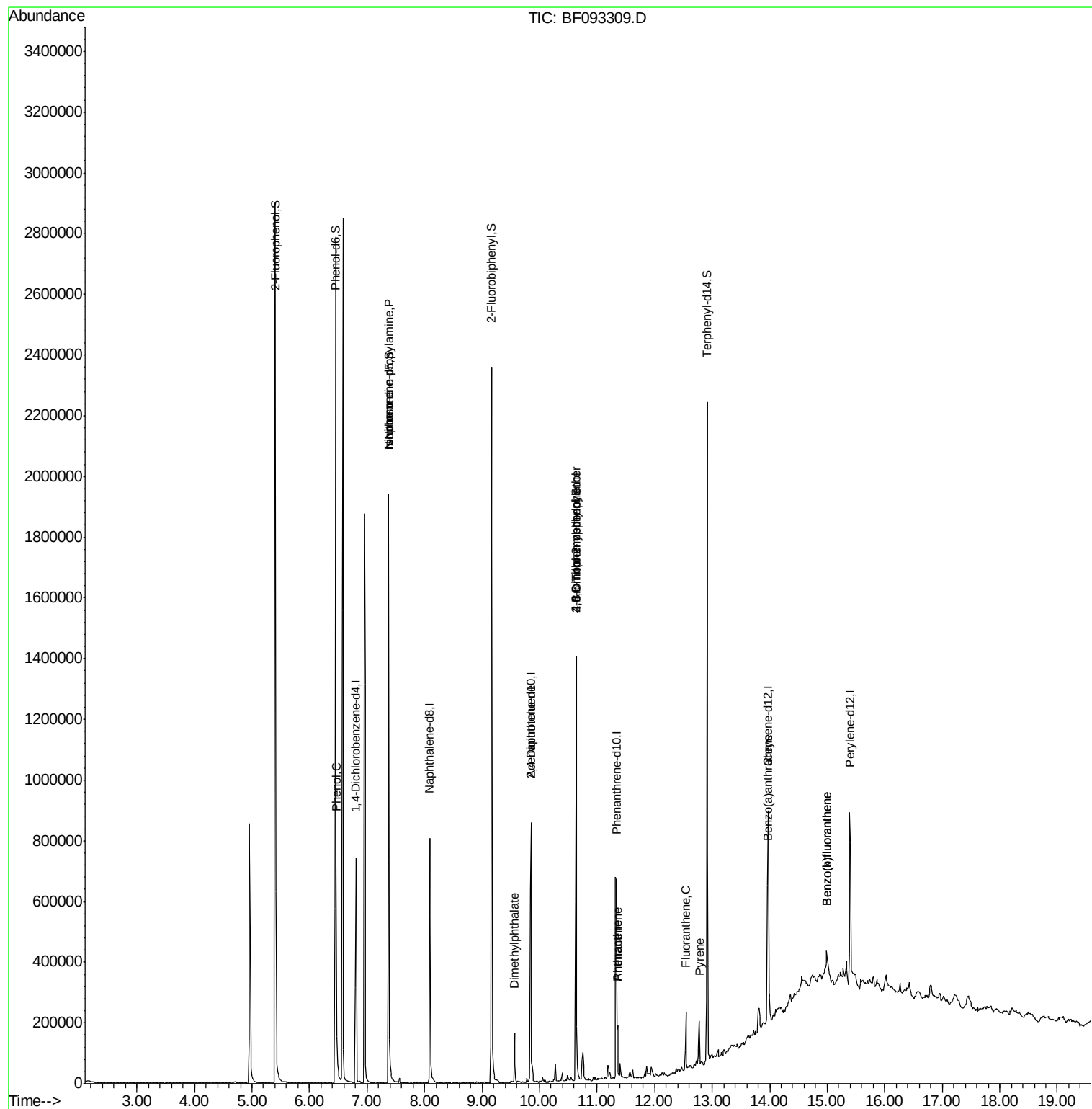
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	132714	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	518596	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	233618	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	379249	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	290699	20.00	ng	-0.05
86) Perylene-d12	15.39	264	287295	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	839985	108.59	ng	-0.05
7) Phenol-d6	6.45	99	1006950	101.17	ng	-0.03
23) Nitrobenzene-d5	7.38	82	703971	75.59	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	174853	103.48	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1088689	84.43	ng	-0.06
78) Terphenyl-d14	12.91	244	687438	55.56	ng	-0.06
Target Compounds						Qvalue
10) Phenol	6.46	94	76699	6.59	ng	79
19) n-Nitroso-di-n-propylamine	7.38	70	93012	14.68	ng	# 77
25) Isophorone	7.38	82	703654	40.55	ng	# 65
49) Dimethylphthalate	9.56	163	77569	4.93	ng	98
56) 2,4-Dinitrotoluene	9.85	165	30308	6.70	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.64	198	288	2.79	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	13748	3.47	ng	# 1
70) Phenanthrene	11.36	178	87278	4.02	ng	95
71) Anthracene	11.36	178	87278	4.00	ng	96
74) Fluoranthene	12.54	202	80671	3.60	ng	95
77) Pyrene	12.77	202	67041	3.08	ng	98
80) Benzo(a)anthracene	13.96	228	39123	2.20	ng	98
87) Benzo(b)fluoranthene	14.99	252	47866	2.53	ng	# 78
88) Benzo(k)fluoranthene	14.99	252	47866	2.93	ng	# 78

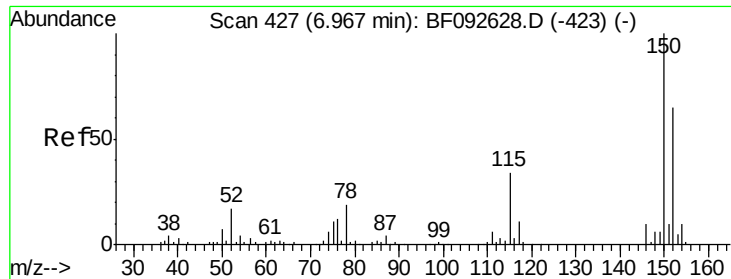
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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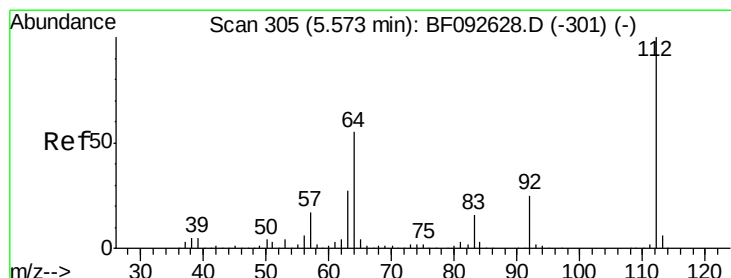
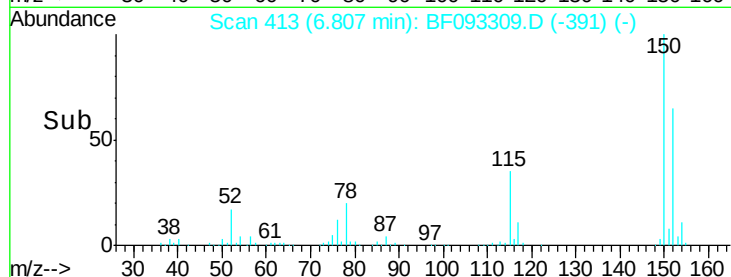
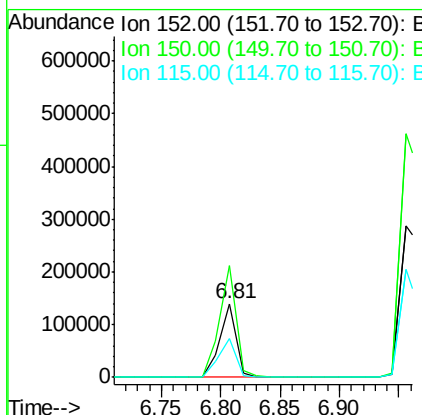
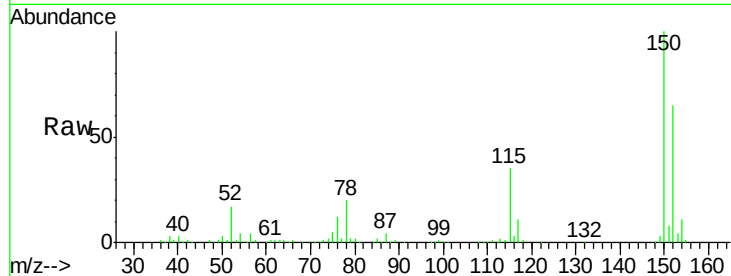




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.05 min
 Lab File: BF093309.D
 Acq: 2 Mar 2017 00:28

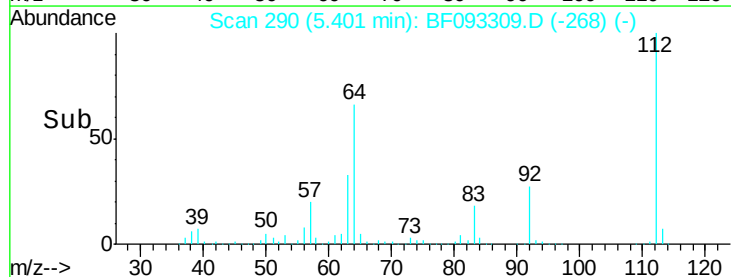
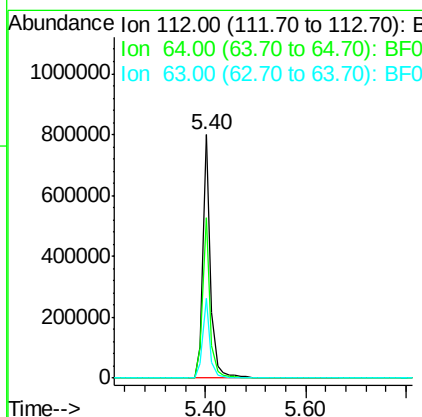
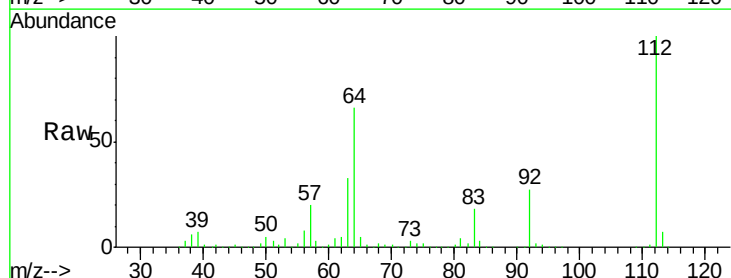
Instrument :
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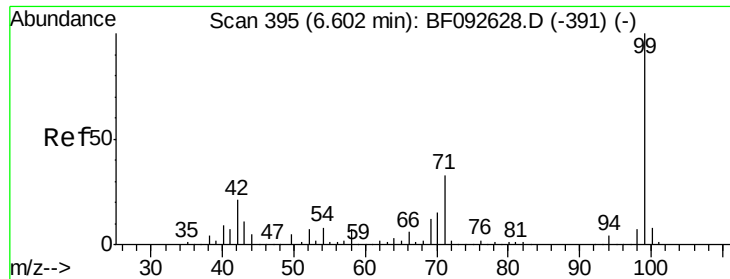
Tgt Ion:152 Resp: 132714
 Ion Ratio Lower Upper
 152 100
 150 153.0 124.9 187.3
 115 53.5 46.0 69.0



#5
 2-Fluorophenol
 Concen: 108.59 ng
 RT: 5.40 min Scan# 290
 Delta R.T. -0.05 min
 Lab File: BF093309.D
 Acq: 2 Mar 2017 00:28

Tgt Ion:112 Resp: 839985
 Ion Ratio Lower Upper
 112 100
 64 66.1 46.1 69.1
 63 32.7 23.8 35.6





#7

Phenol-d6

Concen: 101.17 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093309.D

Acq: 2 Mar 2017 00:28

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-001-C

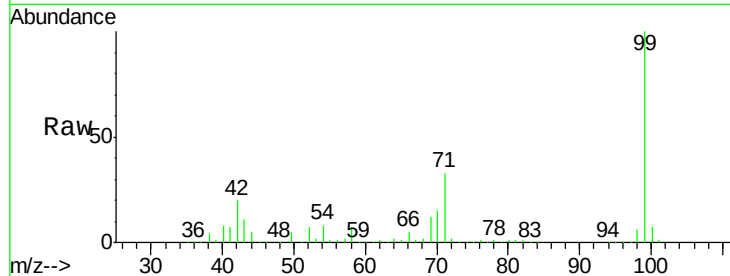
Tgt Ion: 99 Resp: 1006950

Ion Ratio Lower Upper

99 100

42 20.3 15.6 23.4

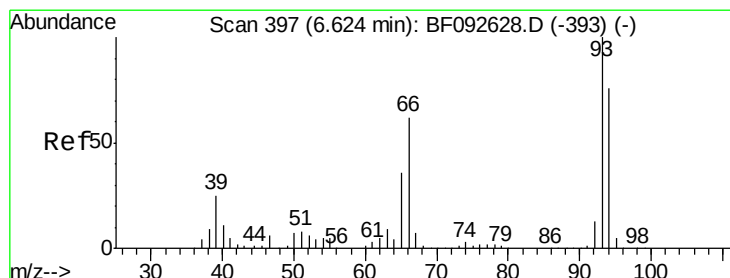
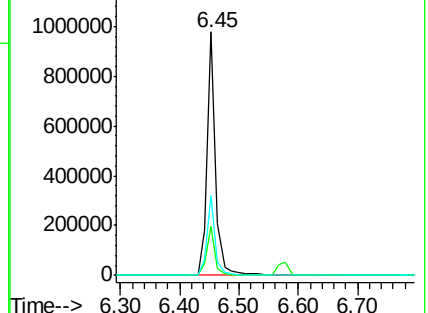
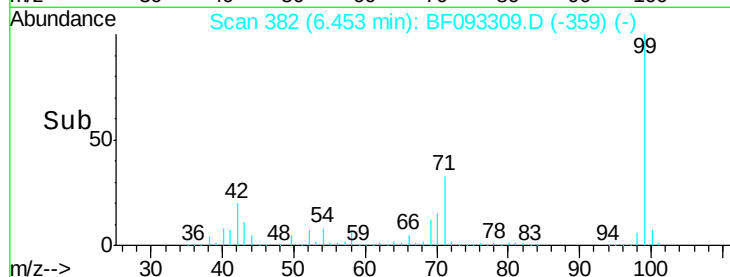
71 32.6 27.5 41.3



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: 6.59 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF093309.D

Acq: 2 Mar 2017 00:28

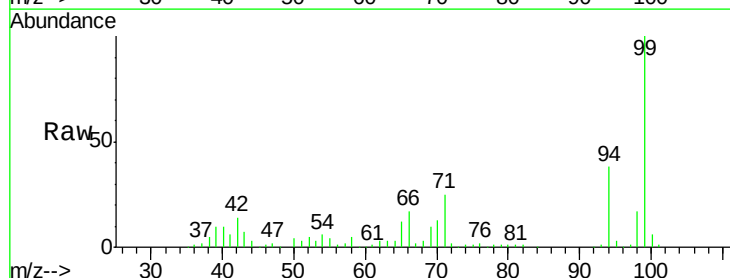
Tgt Ion: 94 Resp: 76699

Ion Ratio Lower Upper

94 100

65 30.4 21.4 61.4

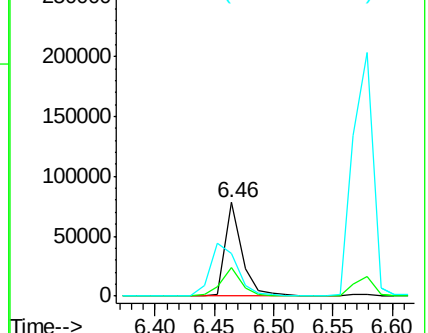
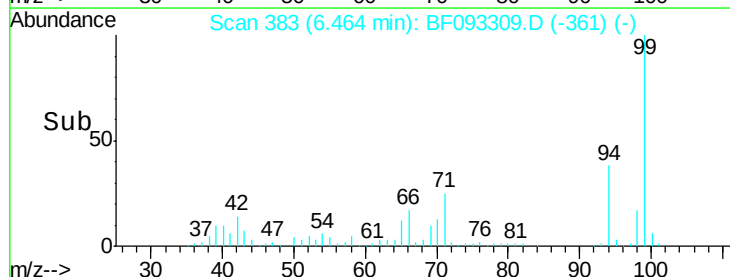
66 45.4 44.0 84.0

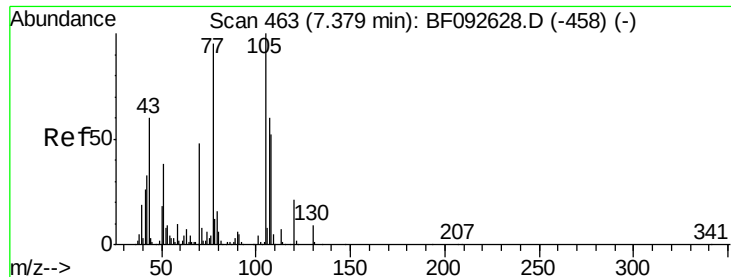


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

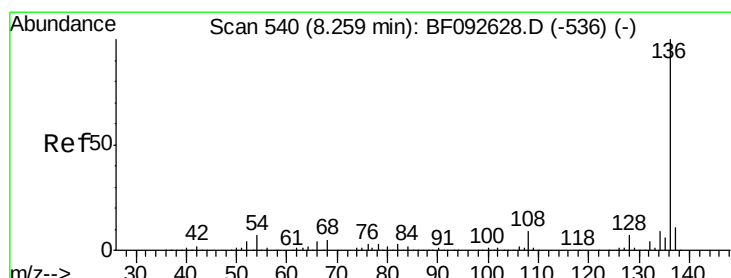
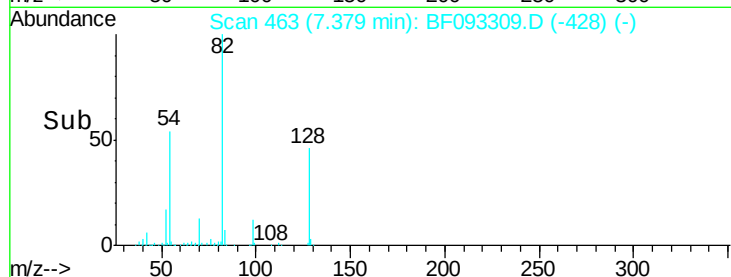
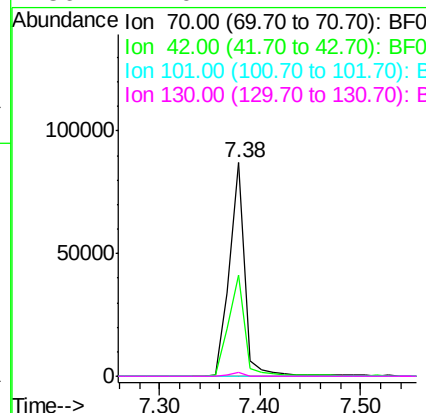
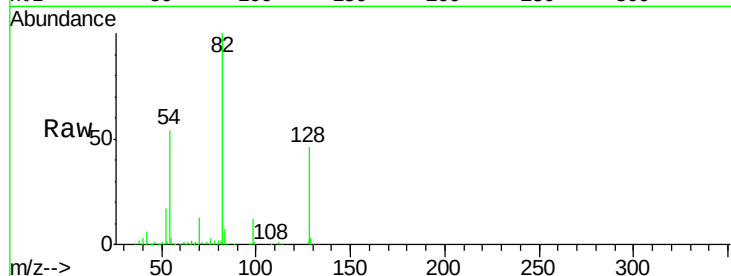




#19
n-Nitroso-di-n-propylamine
Concen: 14.68 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.10 min
Lab File: BF093309.D
Acq: 2 Mar 2017 00:28

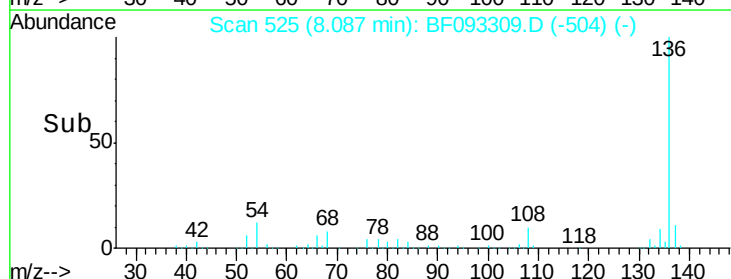
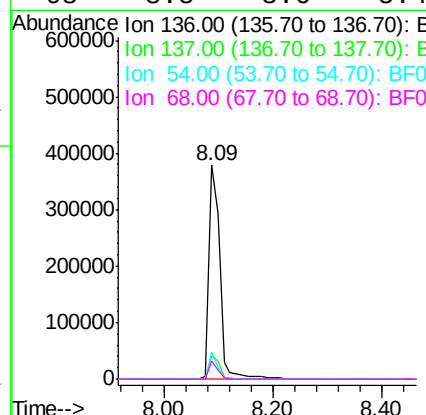
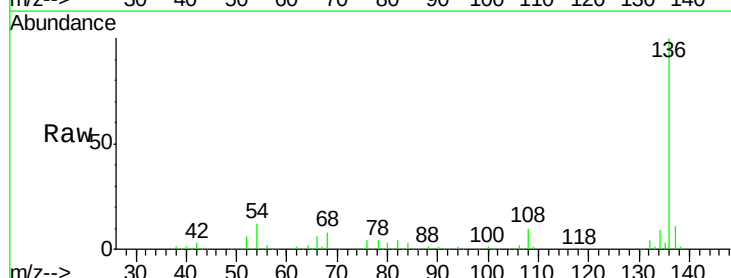
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-001-C

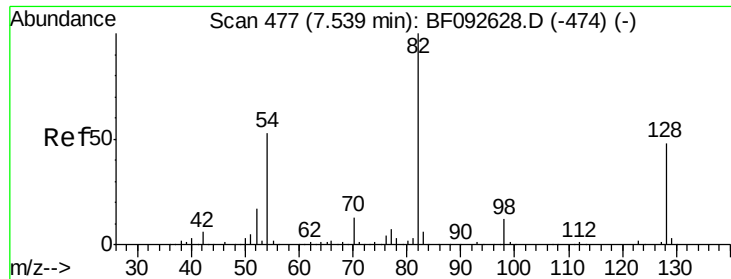
Tgt Ion: 70 Resp: 93012
Ion Ratio Lower Upper
70 100
42 47.5 49.4 74.0#
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.06 min
Lab File: BF093309.D
Acq: 2 Mar 2017 00:28

Tgt Ion: 136 Resp: 518596
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 12.4 4.5 6.7#
68 8.5 3.6 5.4#

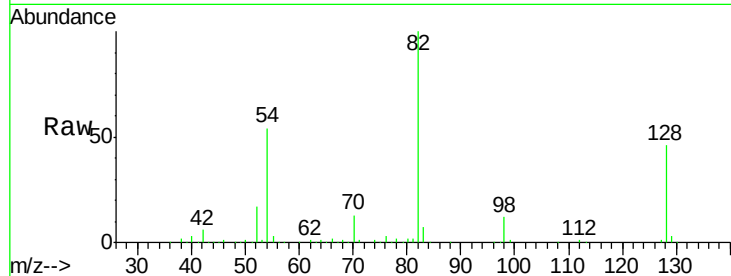




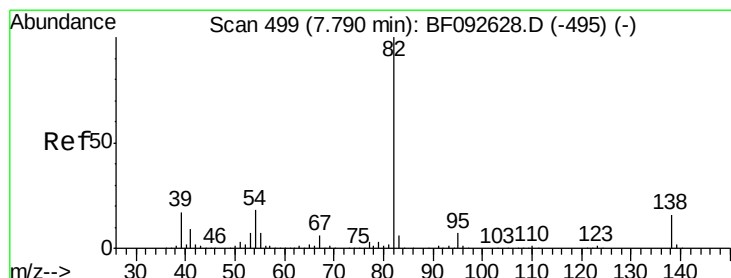
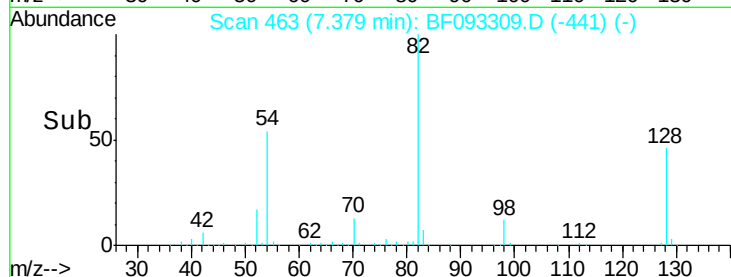
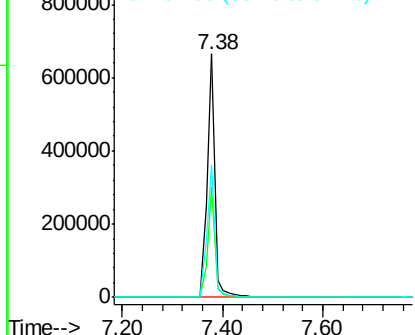
#23
 Nitrobenzene-d5
 Concen: 75.59 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.05 min
 Lab File: BF093309.D
 Acq: 2 Mar 2017 00:28

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-001-C

Tgt Ion: 82 Resp: 703971
 Ion Ratio Lower Upper
 82 100
 128 45.5 34.6 52.0
 54 54.2 39.5 59.3

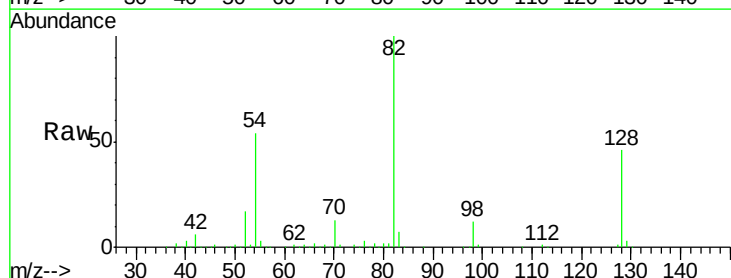


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

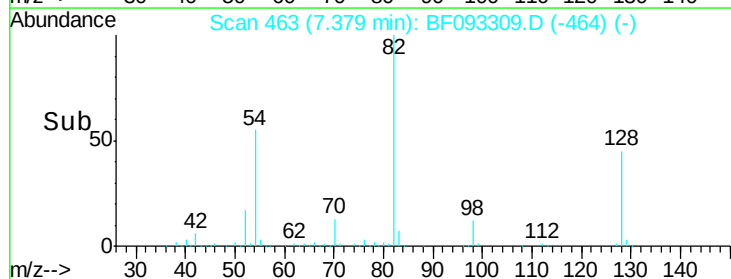
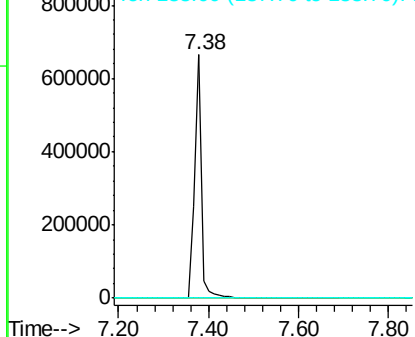


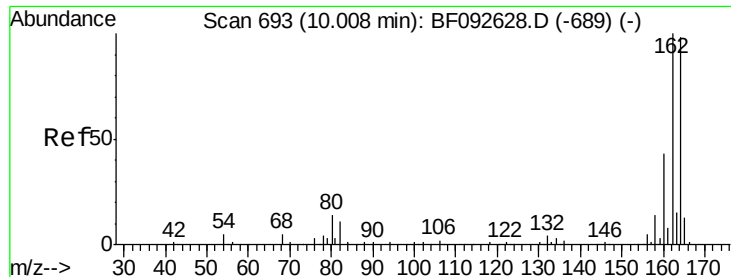
#25
 Isophorone
 Concen: 40.55 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.31 min
 Lab File: BF093309.D
 Acq: 2 Mar 2017 00:28

Tgt Ion: 82 Resp: 703654
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



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: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF093309.D

Acq: 2 Mar 2017 00:28

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-001-C

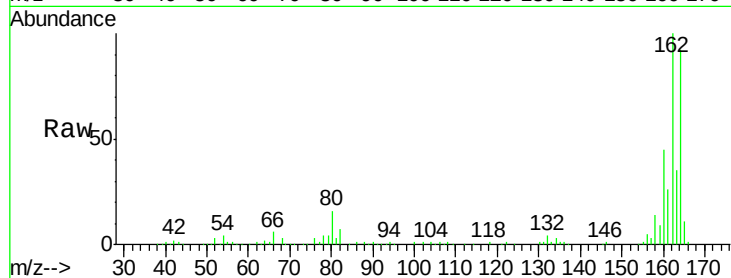
Tgt Ion:164 Resp: 233618

Ion Ratio Lower Upper

164 100

162 108.2 80.2 120.2

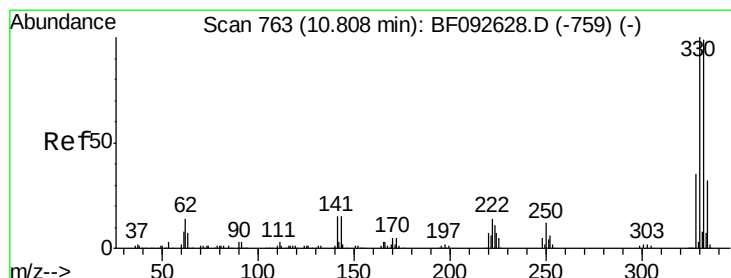
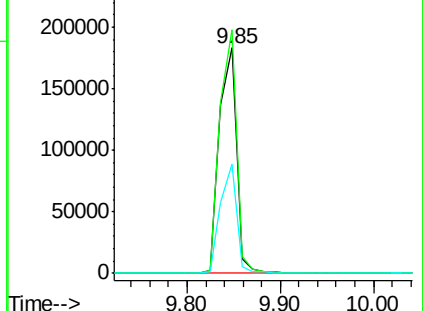
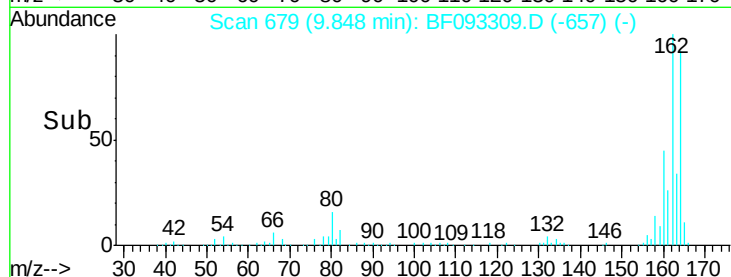
160 48.7 36.9 55.3



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: 103.48 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.05 min

Lab File: BF093309.D

Acq: 2 Mar 2017 00:28

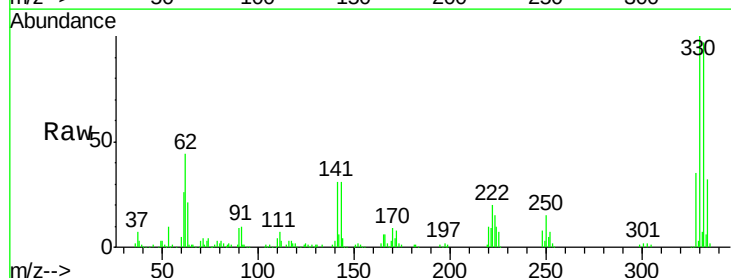
Tgt Ion:330 Resp: 174853

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.2

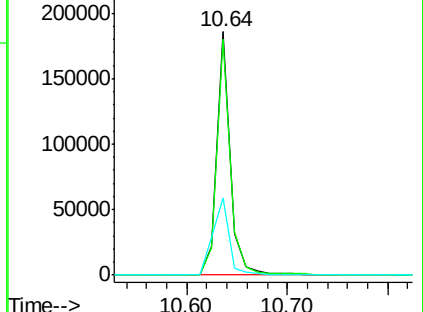
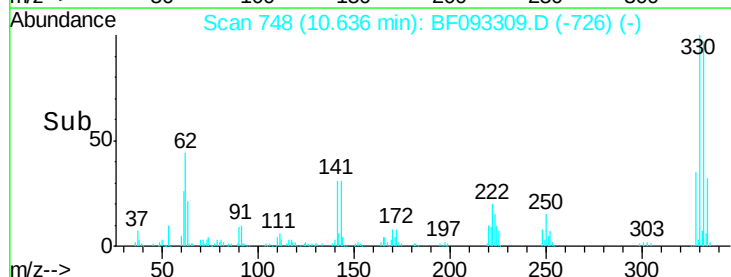
141 38.4 34.1 51.1

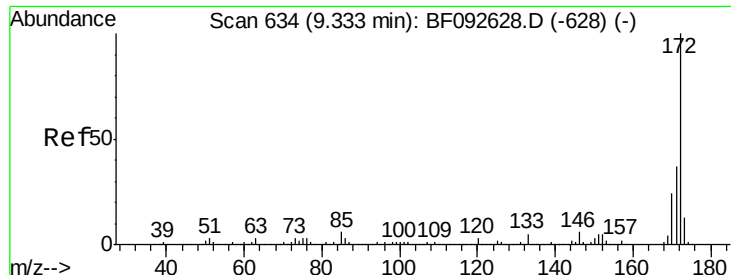


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

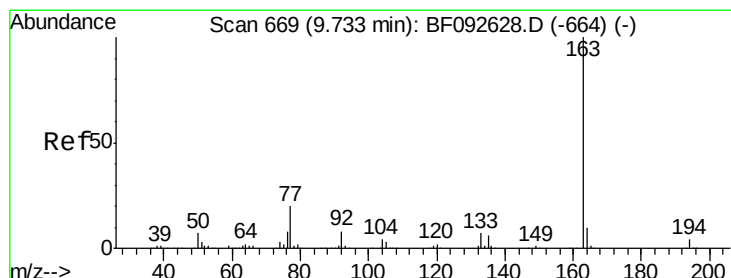
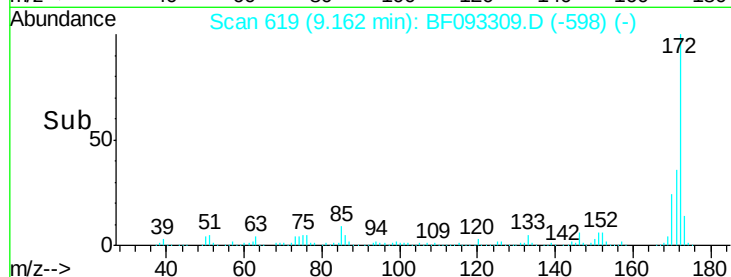
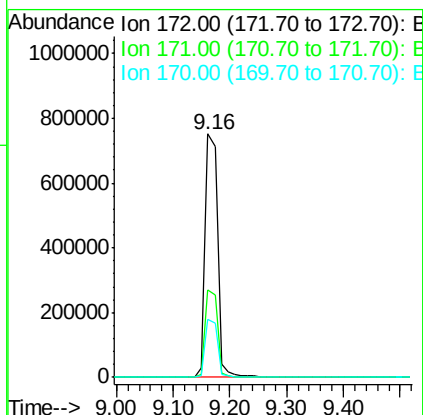
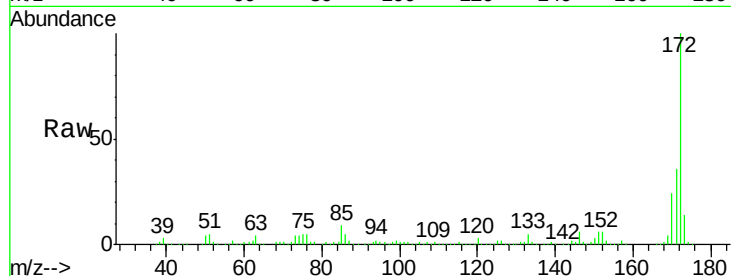




#44
 2-Fluorobiphenyl
 Concen: 84.43 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.06 min
 Lab File: BF093309.D
 Acq: 2 Mar 2017 00:28

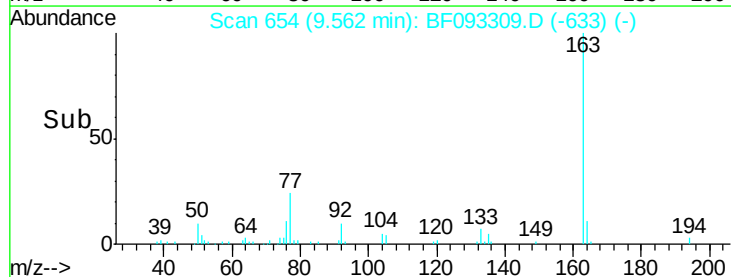
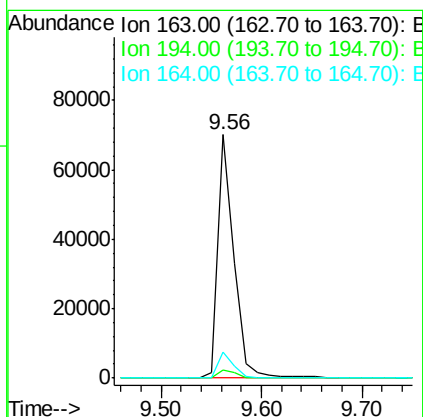
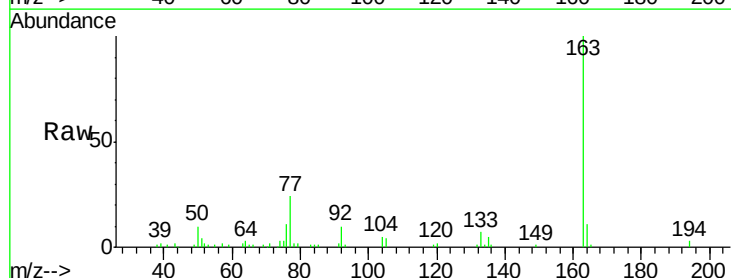
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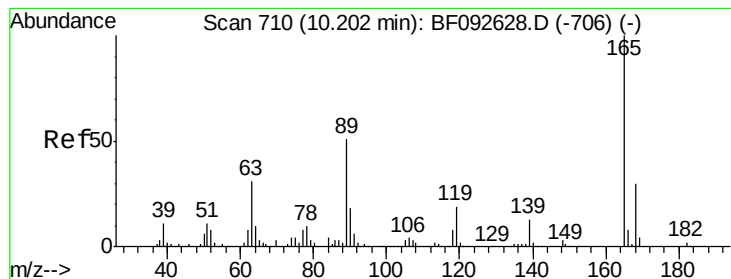
Tgt Ion:172 Resp: 1088689
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 24.0 20.2 30.4



#49
 Dimethylphthalate
 Concen: 4.93 ng
 RT: 9.56 min Scan# 654
 Delta R.T. -0.06 min
 Lab File: BF093309.D
 Acq: 2 Mar 2017 00:28

Tgt Ion:163 Resp: 77569
 Ion Ratio Lower Upper
 163 100
 194 3.1 3.0 4.4
 164 10.9 8.0 12.0

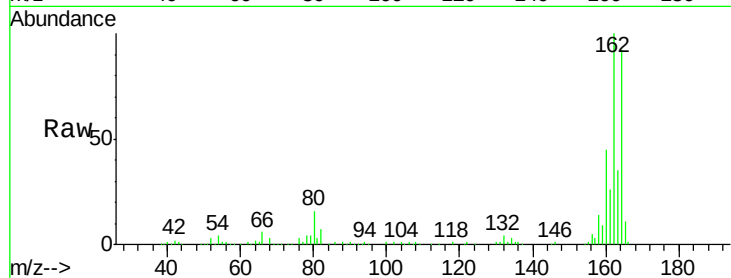




#56
 2,4-Dinitrotoluene
 Concen: 6.70 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.24 min
 Lab File: BF093309.D
 Acq: 2 Mar 2017 00:28

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-001-C

Tgt Ion:	165	Resp:	30308
Ion	Ratio	Lower	Upper
165	100		
63	1.6	40.2	60.4#
89	1.7	62.5	93.7#
182	0.0	1.8	2.8#

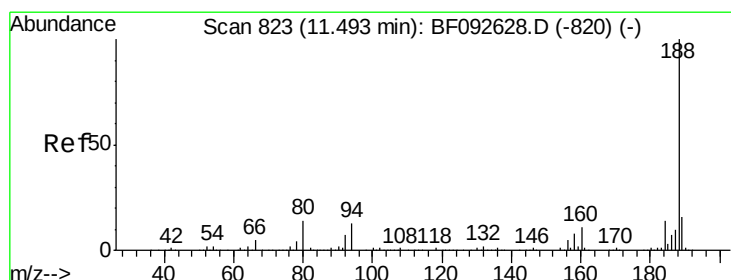
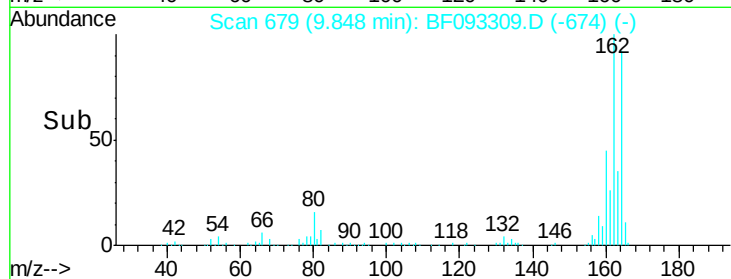
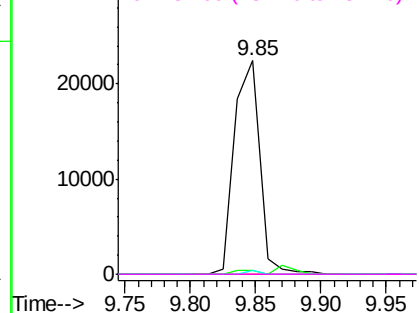


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

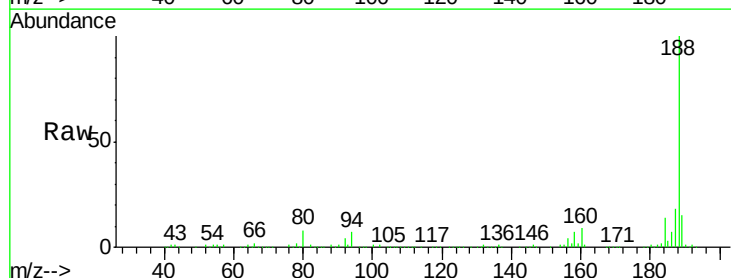
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 809
 Delta R.T. -0.05 min
 Lab File: BF093309.D
 Acq: 2 Mar 2017 00:28

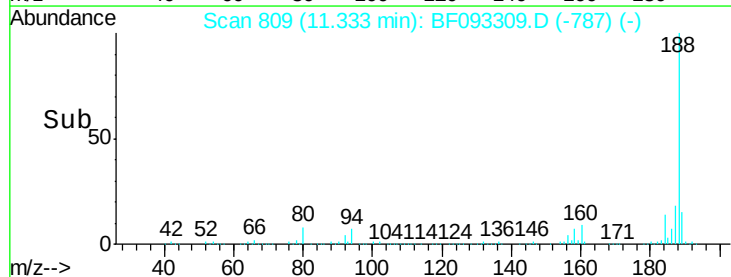
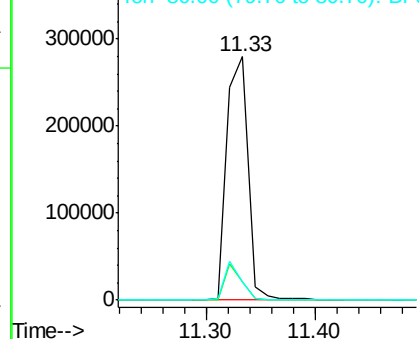
Tgt Ion:	188	Resp:	379249
Ion	Ratio	Lower	Upper
188	100		
94	7.5	10.0	15.0#
80	7.7	11.2	16.8#

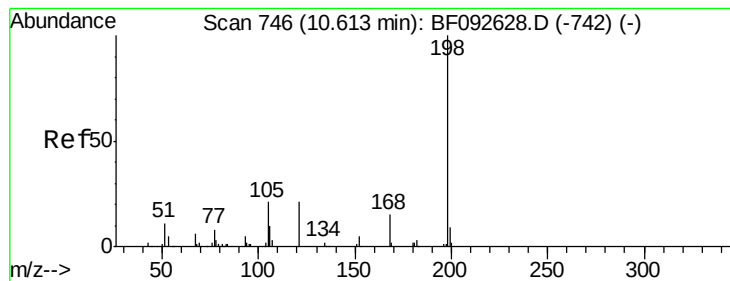


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.79 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.14 min

Lab File: BF093309.D

Acq: 2 Mar 2017 00:28

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-001-C

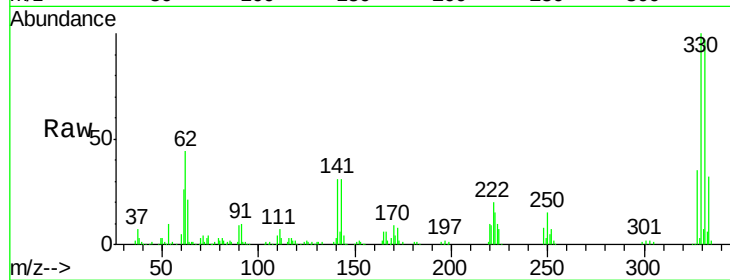
Tgt Ion:198 Resp: 288

Ion Ratio Lower Upper

198 100

51 241.0 6.7 46.7#

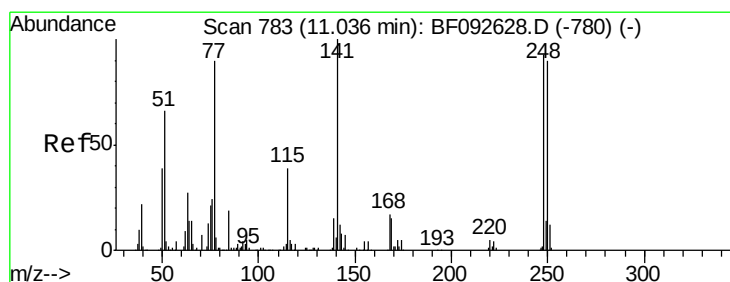
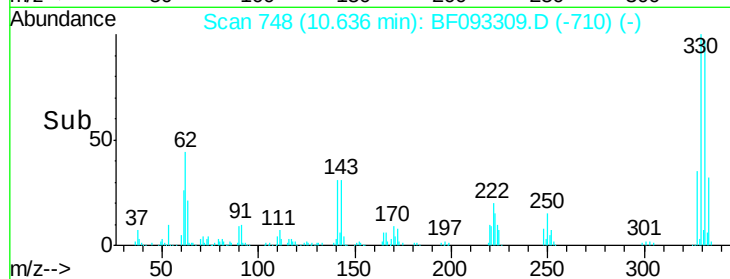
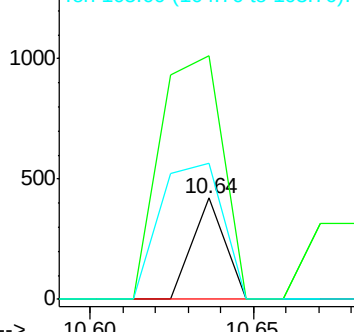
105 135.0 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.47 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.29 min

Lab File: BF093309.D

Acq: 2 Mar 2017 00:28

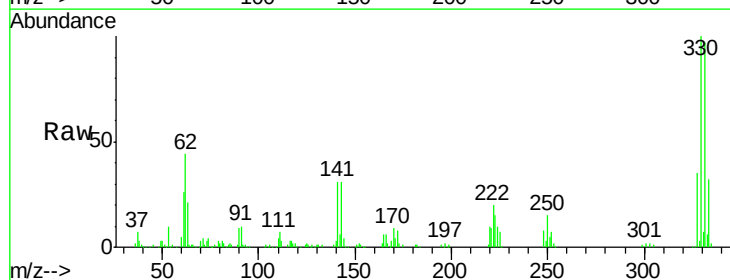
Tgt Ion:248 Resp: 13748

Ion Ratio Lower Upper

248 100

250 196.5 76.9 115.3#

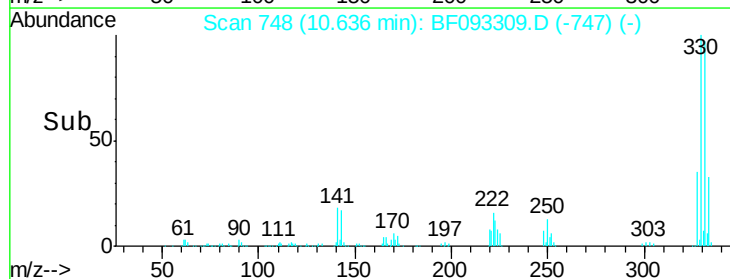
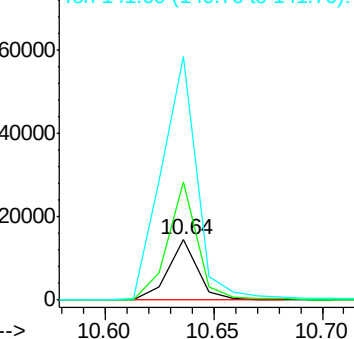
141 402.8 68.2 102.4#

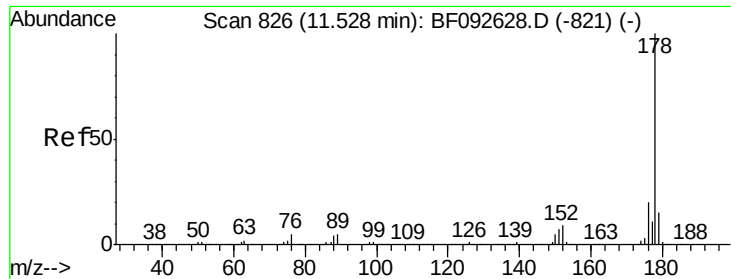


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

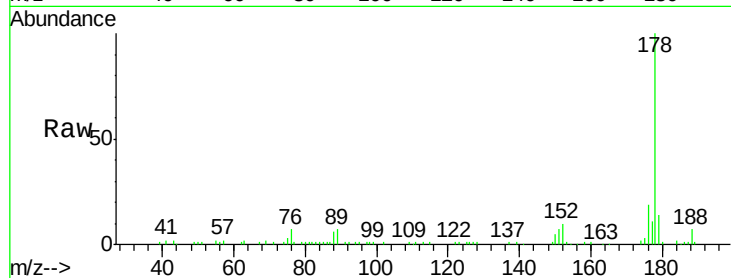




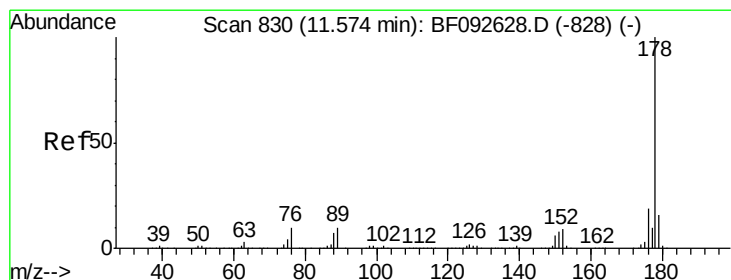
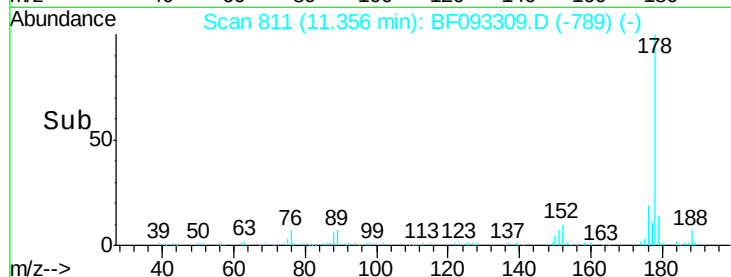
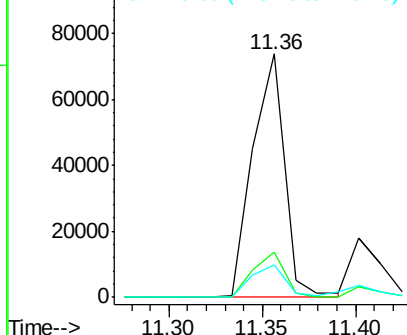
#70
 Phenanthrene
 Concen: 4.02 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.05 min
 Lab File: BF093309.D
 Acq: 2 Mar 2017 00:28

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-001-C

Tgt Ion:178 Resp: 87278
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.6 25.0
 179 13.5 12.8 19.2

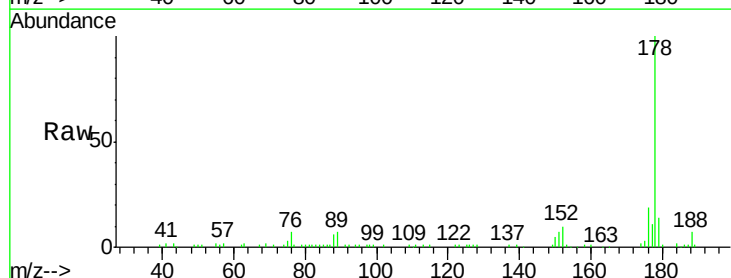


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

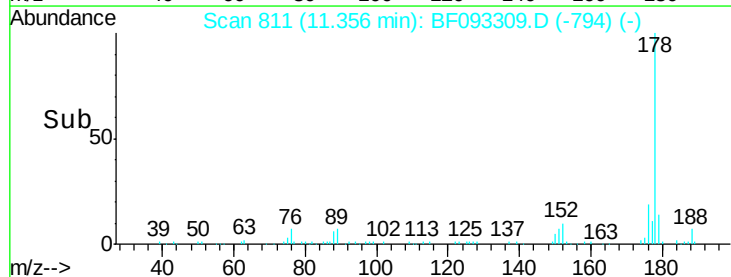
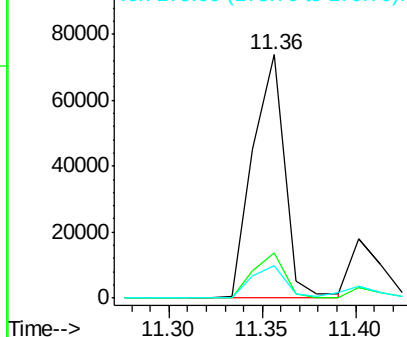


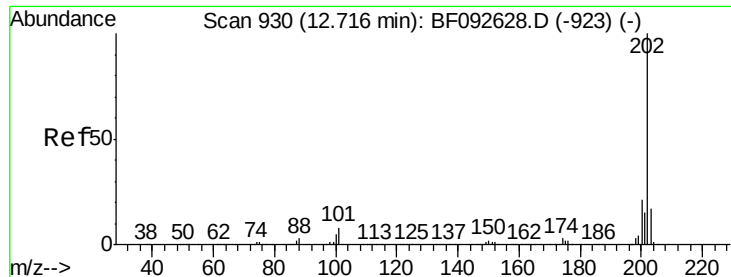
#71
 Anthracene
 Concen: 4.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.10 min
 Lab File: BF093309.D
 Acq: 2 Mar 2017 00:28

Tgt Ion:178 Resp: 87278
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.9 23.9
 179 13.5 13.2 19.8



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: 3.60 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093309.D

Acq: 2 Mar 2017 00:28

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-001-C

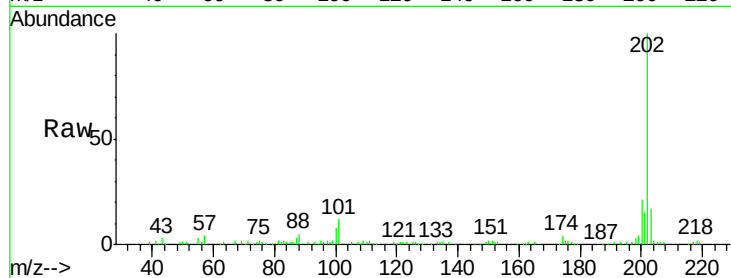
Tgt Ion:202 Resp: 80671

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.6

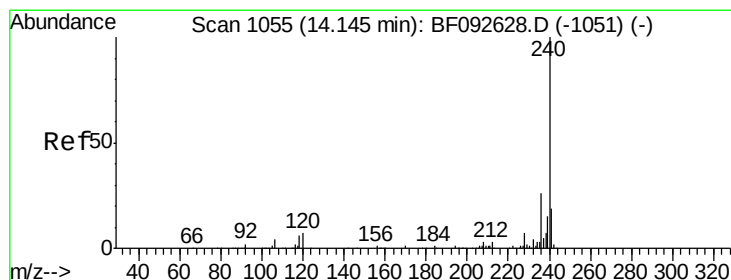
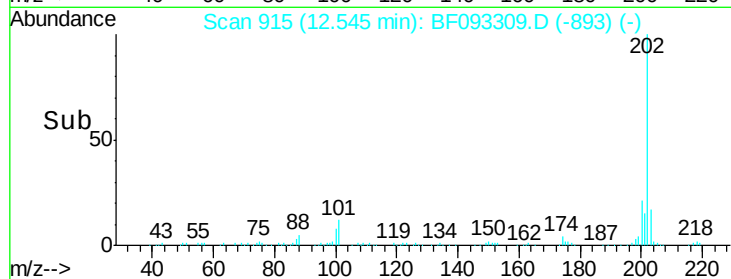
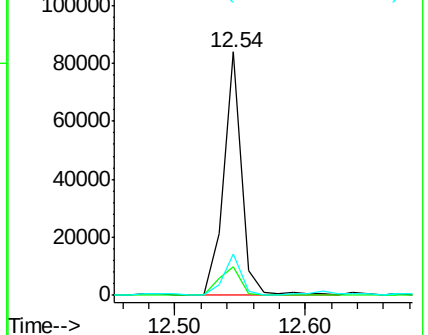
203 17.2 0.0 38.7



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# 1040

Delta R.T. -0.05 min

Lab File: BF093309.D

Acq: 2 Mar 2017 00:28

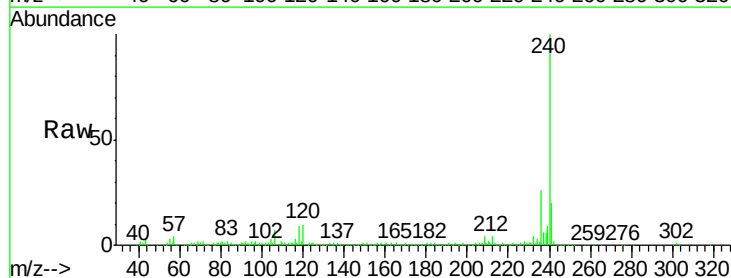
Tgt Ion:240 Resp: 290699

Ion Ratio Lower Upper

240 100

120 9.8 12.9 19.3#

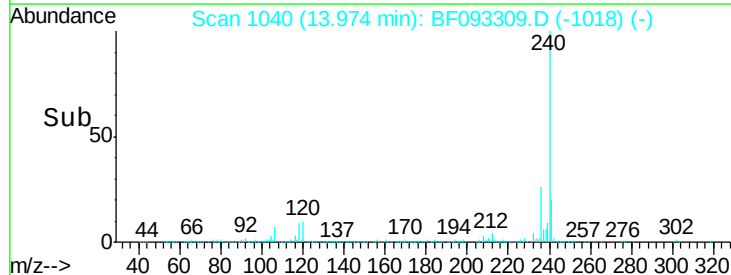
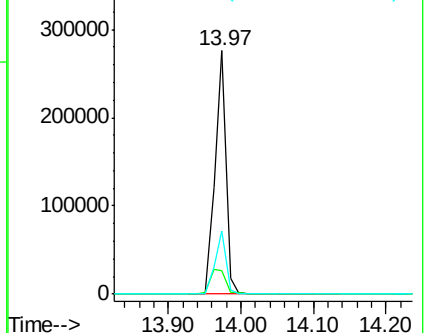
236 25.8 20.9 31.3

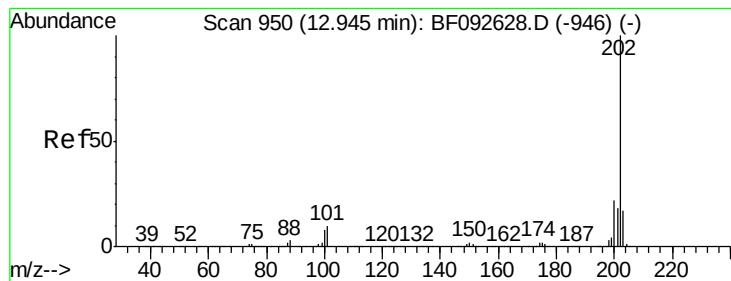


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.08 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF093309.D

Acq: 2 Mar 2017 00:28

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-001-C

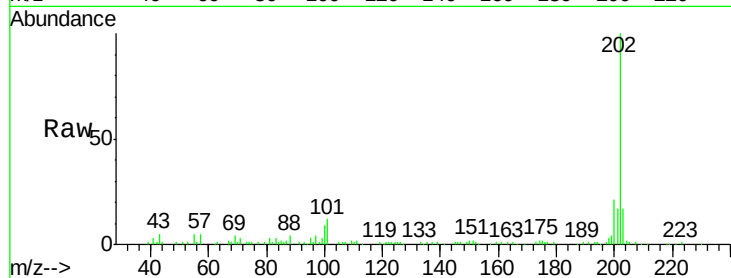
Tgt Ion:202 Resp: 67041

Ion Ratio Lower Upper

202 100

200 21.3 17.7 26.5

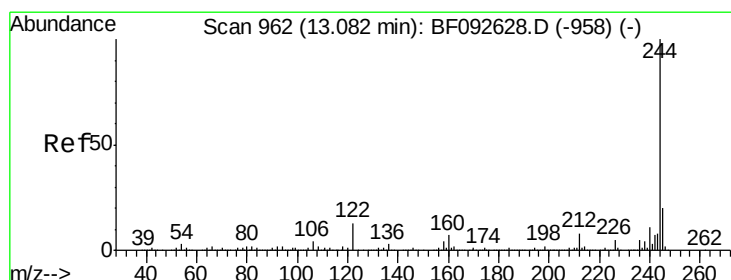
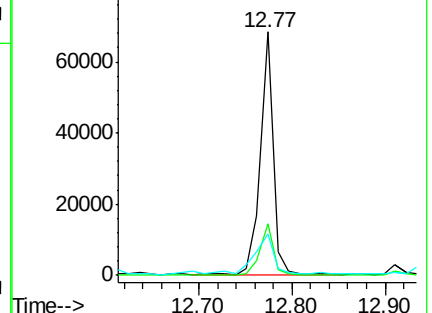
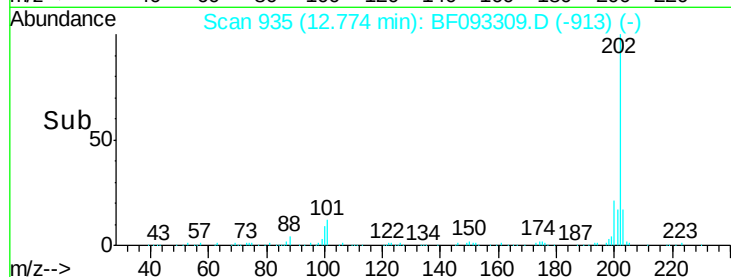
203 17.0 14.7 22.1



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: 55.56 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF093309.D

Acq: 2 Mar 2017 00:28

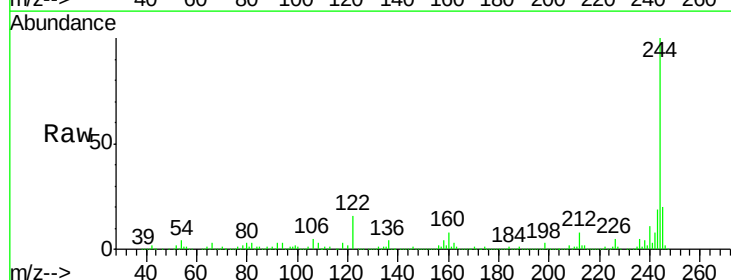
Tgt Ion:244 Resp: 687438

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

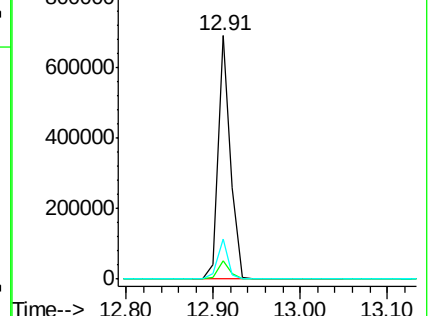
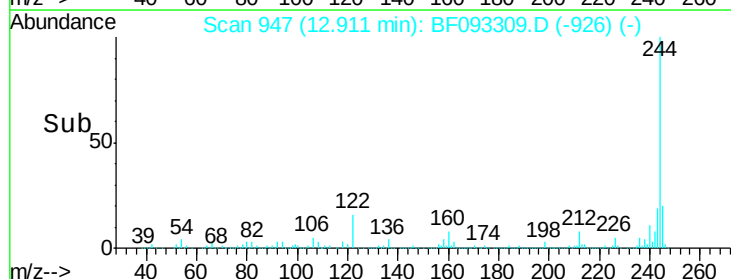
122 16.3 11.4 17.2

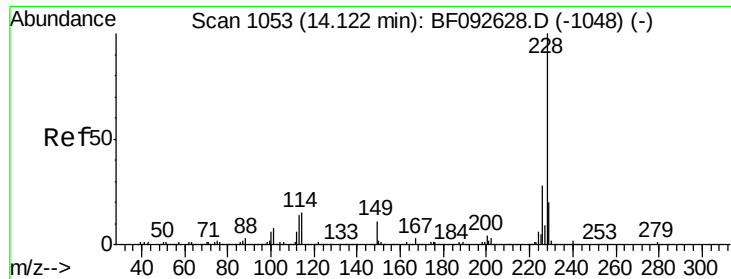


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.20 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.05 min

Lab File: BF093309.D

Acq: 2 Mar 2017 00:28

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-001-C

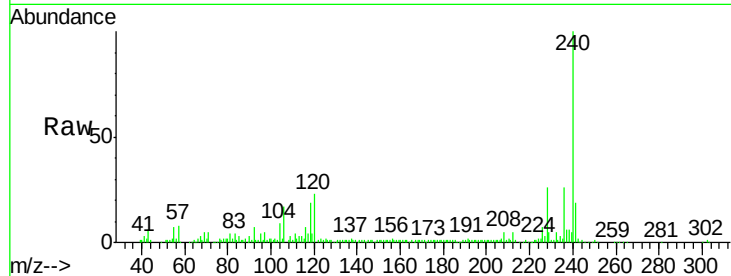
Tgt Ion:228 Resp: 39123

Ion Ratio Lower Upper

228 100

226 28.4 22.4 33.6

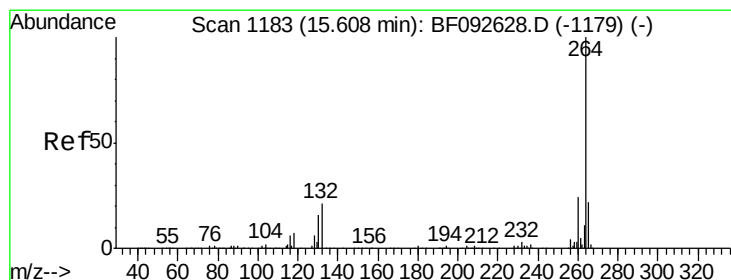
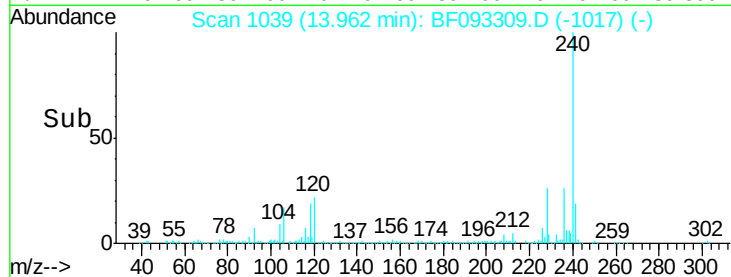
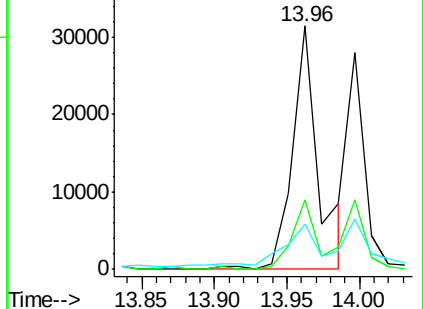
229 18.5 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.39 min Scan# 1164

Delta R.T. -0.06 min

Lab File: BF093309.D

Acq: 2 Mar 2017 00:28

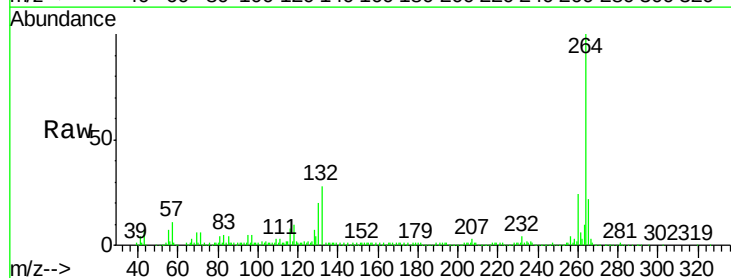
Tgt Ion:264 Resp: 287295

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

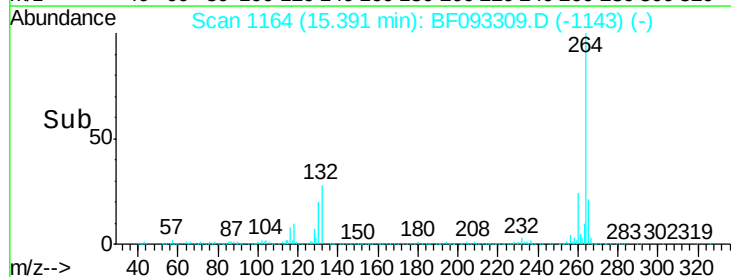
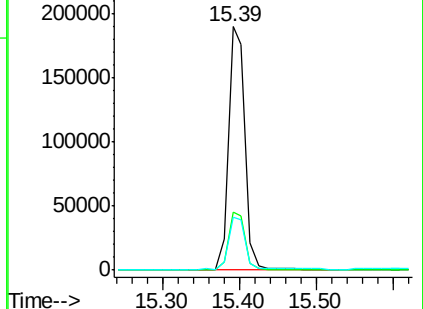
265 21.6 17.4 26.0

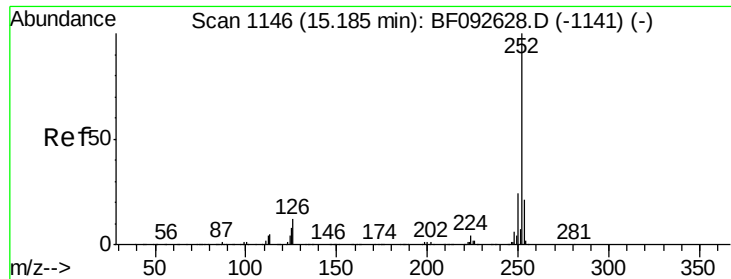


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

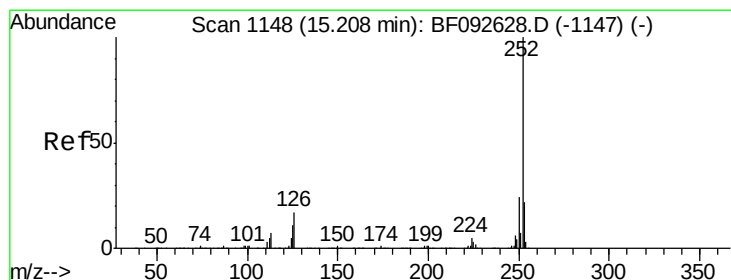
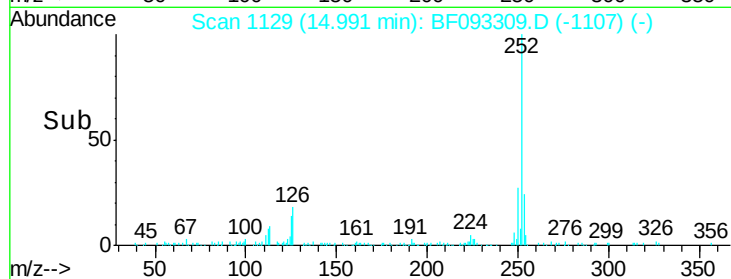
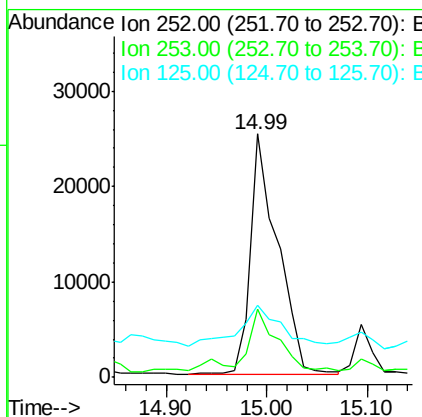
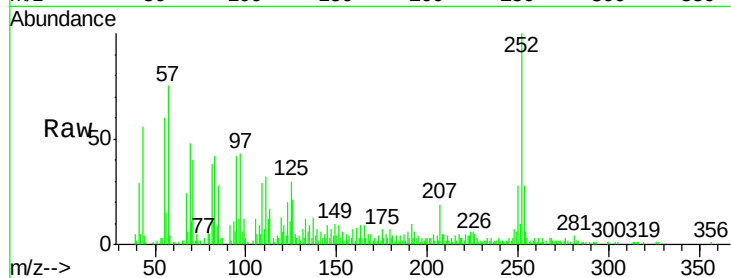




#87
Benzo(b)fluoranthene
Concen: 2.53 ng
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093309.D
Acq: 2 Mar 2017 00:28

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-001-C

Tgt Ion:252 Resp: 47866
Ion Ratio Lower Upper
252 100
253 27.8 18.2 27.4#
125 29.5 9.8 14.6#



#88
Benzo(k)fluoranthene
Concen: 2.93 ng
RT: 14.99 min Scan# 1129
Delta R.T. -0.08 min
Lab File: BF093309.D
Acq: 2 Mar 2017 00:28

Tgt Ion:252 Resp: 47866
Ion Ratio Lower Upper
252 100
253 27.8 18.5 27.7#
125 29.5 8.9 13.3#

