

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012417\
 Data File : BF092444.D
 Acq On : 24 Jan 2017 22:18
 Operator : UM/SJ
 Sample : I1382-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-001-A

Quant Time: Jan 24 23:54:43 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	164166	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	656169	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	356451	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	587879	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	418761	20.00	ng	-0.01
86) Perylene-d12	15.63	264	331225	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1638335	155.27	ng	0.02
7) Phenol-d6	6.59	99	1799931	133.92	ng	0.00
23) Nitrobenzene-d5	7.54	82	1322851	110.13	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	353843	145.67	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1886317	97.86	ng	-0.01
78) Terphenyl-d14	13.11	244	1723480	109.59	ng	-0.01

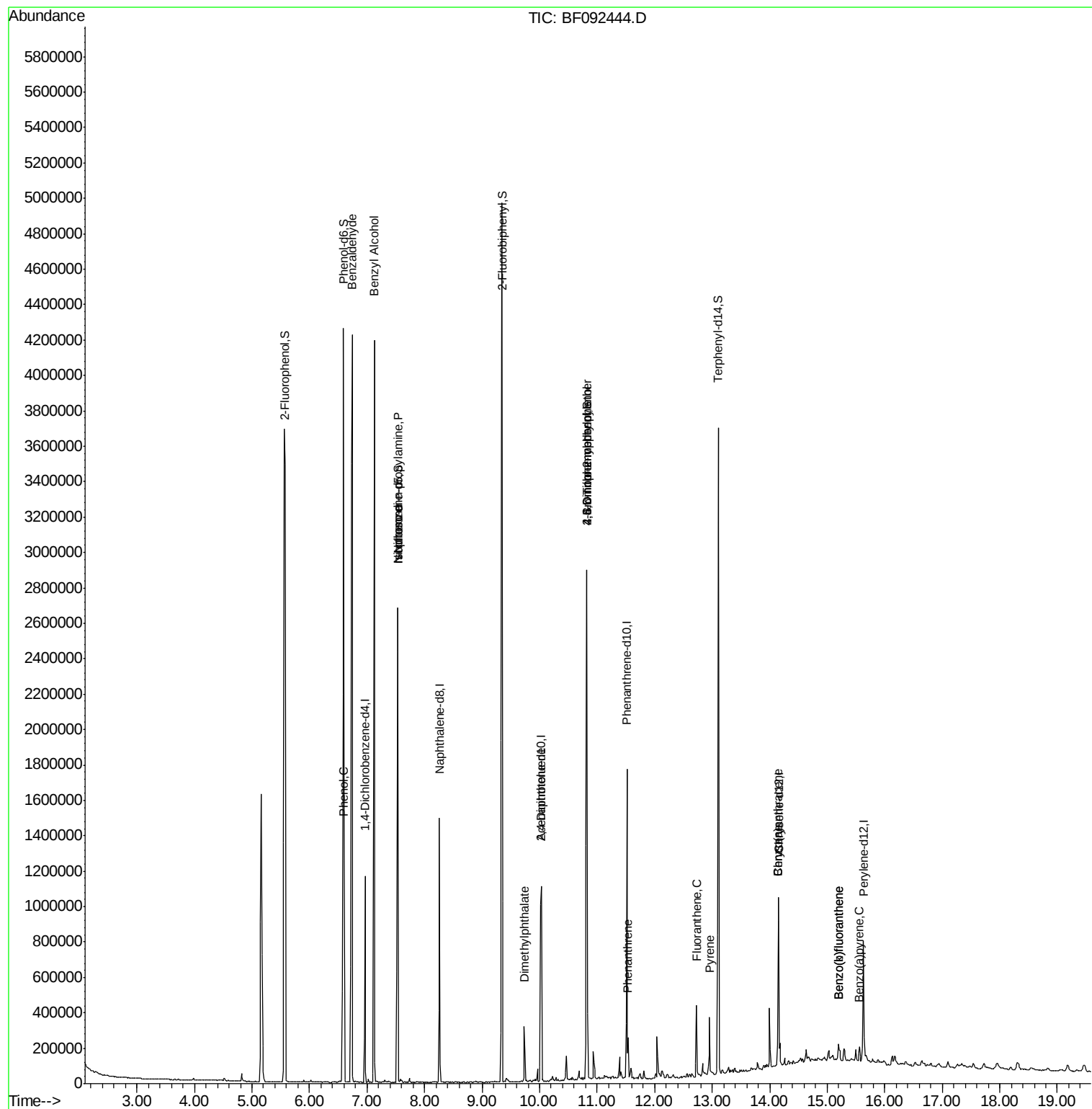
Target Compounds						Qvalue
9) Benzaldehyde	6.74	77	35270	3.70	ng	81
10) Phenol	6.60	94	147315	9.08	ng	# 75
15) Benzyl Alcohol	7.13	79	20640	2.04	ng	# 30
19) n-Nitroso-di-n-propylamine	7.54	70	174619	19.08	ng	# 79
25) Isophorone	7.54	82	1180578	49.87	ng	# 65
49) Dimethylphthalate	9.73	163	154269	6.81	ng	99
56) 2,4-Dinitrotoluene	10.03	165	45585	7.41	ng	# 18
64) 4,6-Dinitro-2-methylphenol	10.82	198	990	5.23	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	27514	4.64	ng	# 1
70) Phenanthrene	11.54	178	78404	2.42	ng	98
74) Fluoranthene	12.73	202	145038	4.58	ng	97
77) Pyrene	12.96	202	129406	4.27	ng	98
80) Benzo(a)anthracene	14.15	228	56886	2.53	ng	98
82) Chrysene	14.15	228	56886	2.37	ng	96
87) Benzo(b)fluoranthene	15.20	252	78067	3.67	ng	# 95
88) Benzo(k)fluoranthene	15.20	252	78067	4.42	ng	# 94
89) Benzo(a)pyrene	15.56	252	40186	2.23	ng	# 95

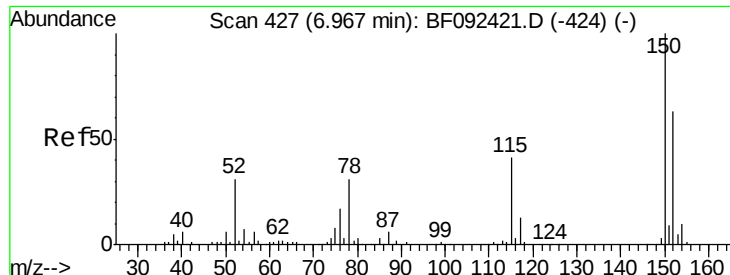
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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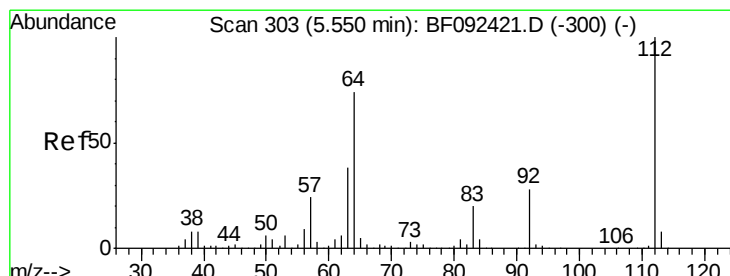
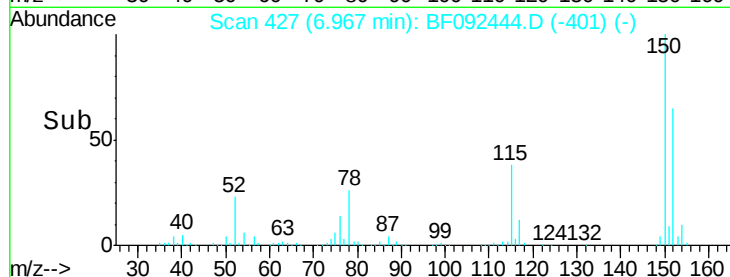
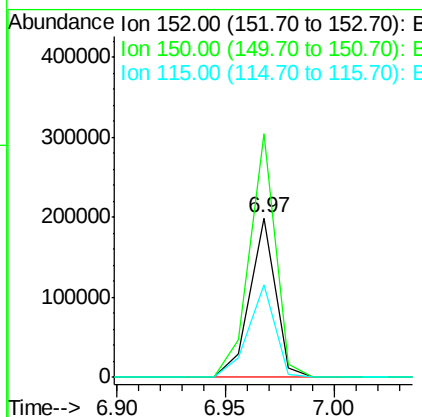
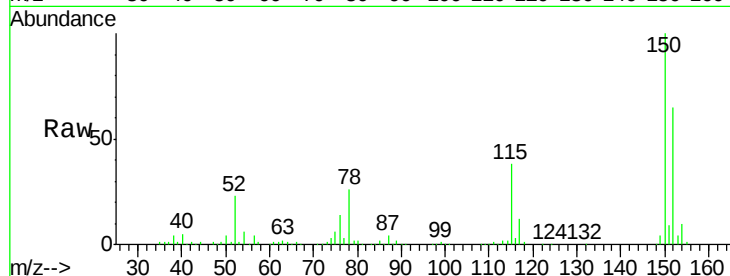




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.97 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: BF092444.D
 Acq: 24 Jan 2017 22:18

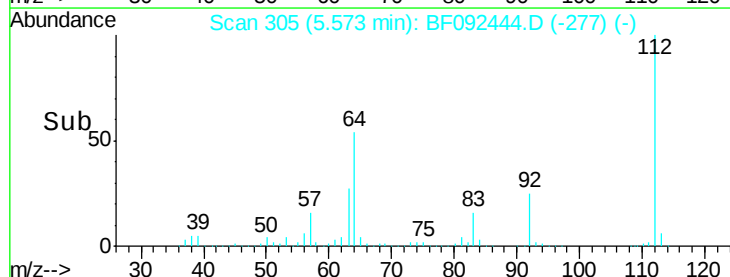
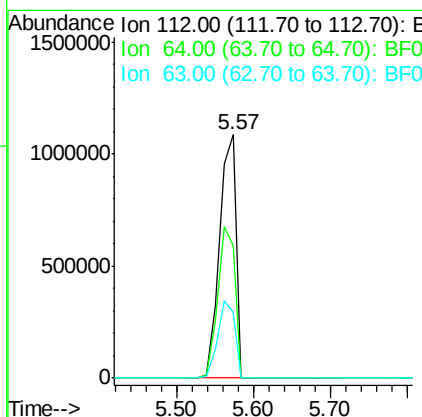
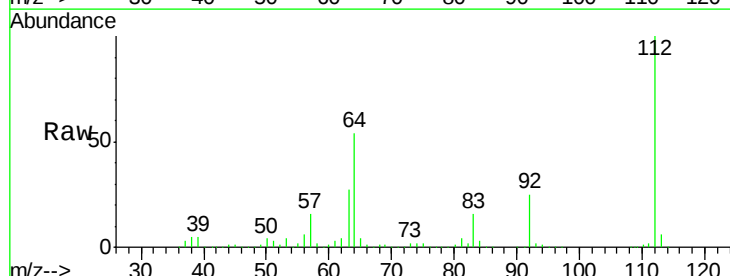
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-001-A

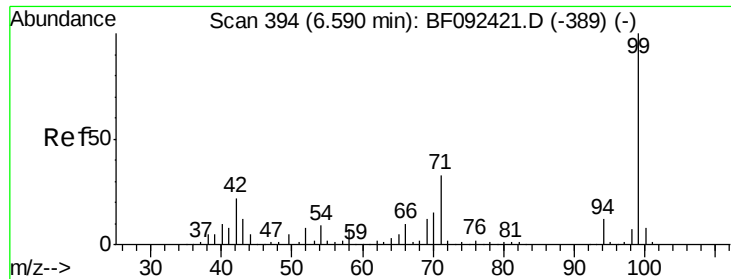
Tgt Ion:152 Resp: 164166
 Ion Ratio Lower Upper
 152 100
 150 152.8 124.9 187.3
 115 58.4 46.0 69.0



#5
 2-Fluorophenol
 Concen: 155.27 ng
 RT: 5.57 min Scan# 305
 Delta R.T. 0.02 min
 Lab File: BF092444.D
 Acq: 24 Jan 2017 22:18

Tgt Ion:112 Resp: 1638335
 Ion Ratio Lower Upper
 112 100
 64 54.3 46.1 69.1
 63 27.1 23.8 35.6





#7

Phenol-d6

Concen: 133.92 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF092444.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-001-A

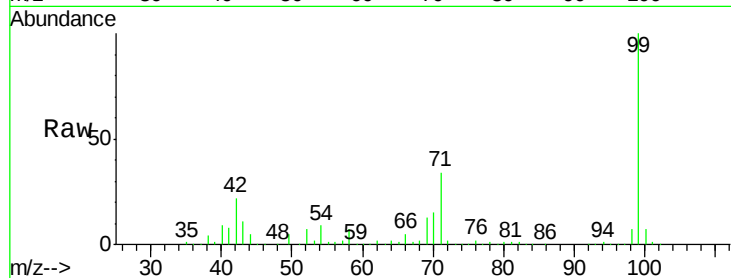
Tgt Ion: 99 Resp: 1799931

Ion Ratio Lower Upper

99 100

42 21.6 15.6 23.4

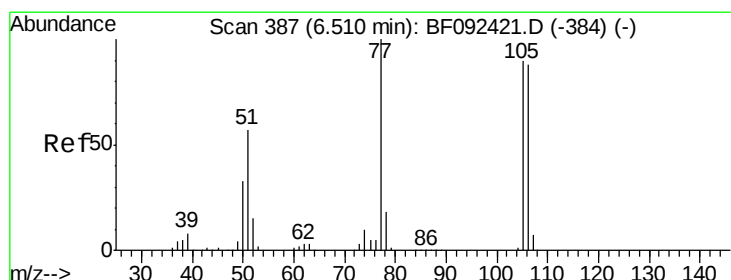
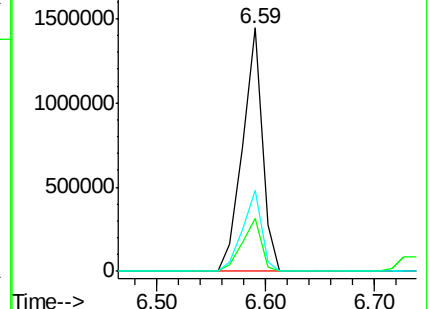
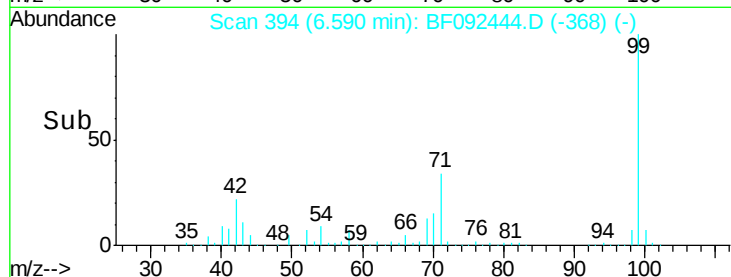
71 33.5 27.5 41.3



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



#9

Benzaldehyde

Concen: 3.70 ng

RT: 6.74 min Scan# 407

Delta R.T. 0.23 min

Lab File: BF092444.D

Acq: 24 Jan 2017 22:18

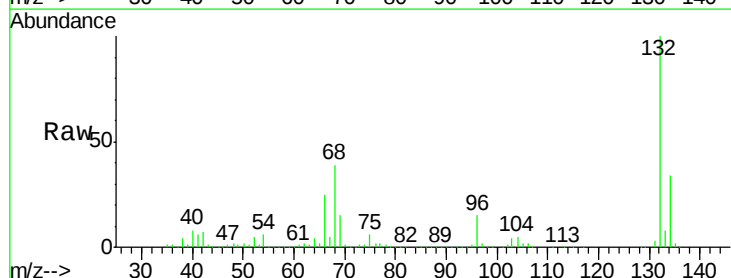
Tgt Ion: 77 Resp: 35270

Ion Ratio Lower Upper

77 100

105 84.7 83.9 123.9

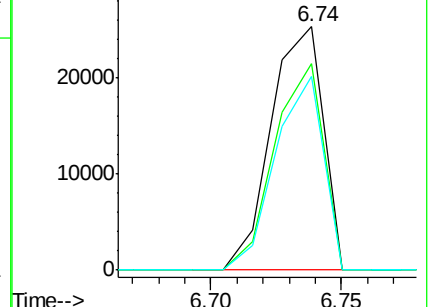
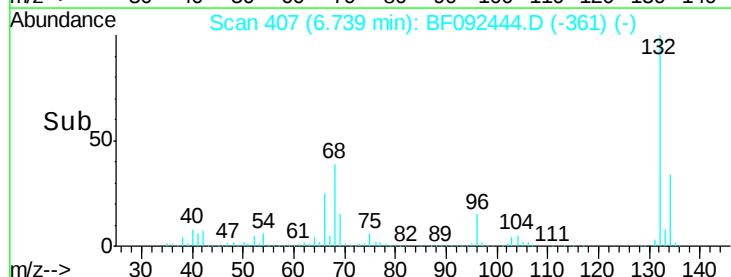
106 79.4 77.6 117.6

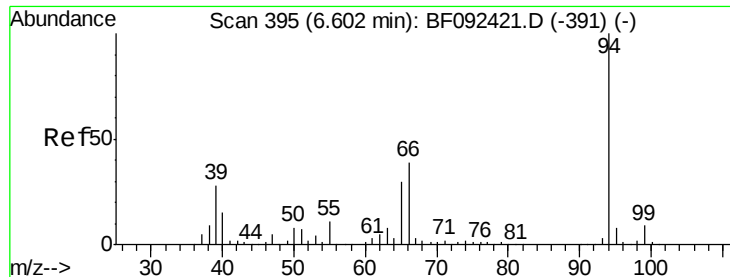


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 9.08 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF092444.D

Acq: 24 Jan 2017 22:18

Instrument :

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ClientSampleId :

FK-GF-01-001-A

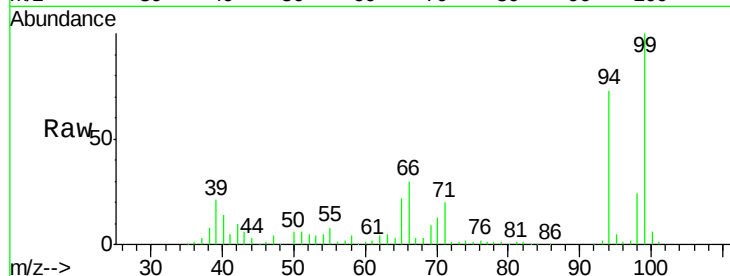
Tgt Ion: 94 Resp: 147315

Ion Ratio Lower Upper

94 100

65 30.0 21.4 61.4

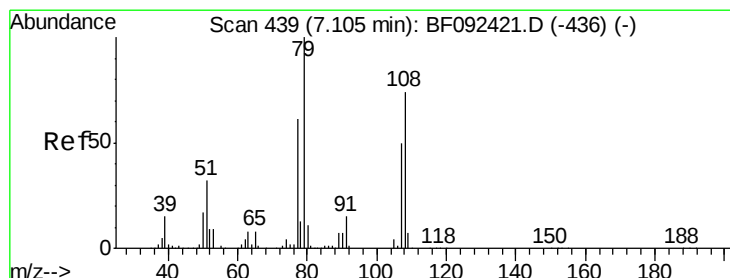
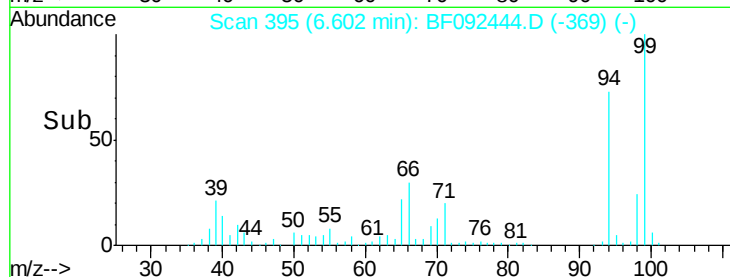
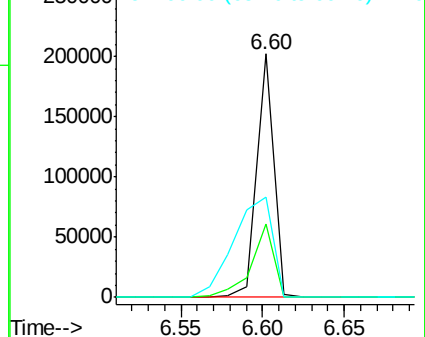
66 41.0 44.0 84.0#



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



#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 7.13 min Scan# 441

Delta R.T. 0.02 min

Lab File: BF092444.D

Acq: 24 Jan 2017 22:18

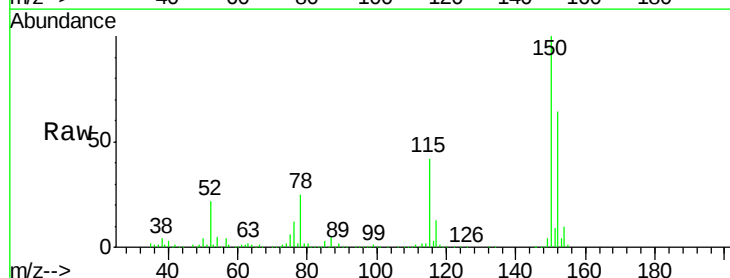
Tgt Ion: 79 Resp: 20640

Ion Ratio Lower Upper

79 100

108 29.0 61.4 92.0#

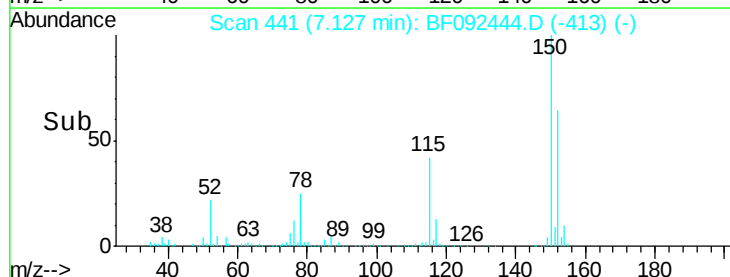
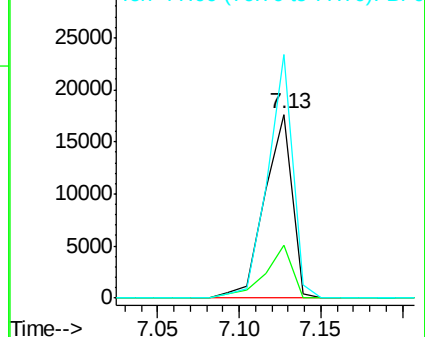
77 132.5 50.9 76.3#

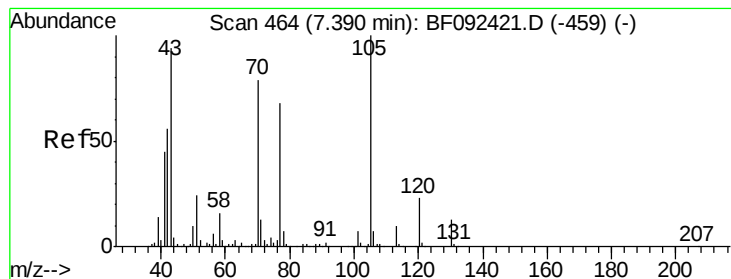


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 19.08 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF092444.D

Acq: 24 Jan 2017 22:18

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BNA_F

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FK-GF-01-001-A

Tgt Ion: 70 Resp: 174619

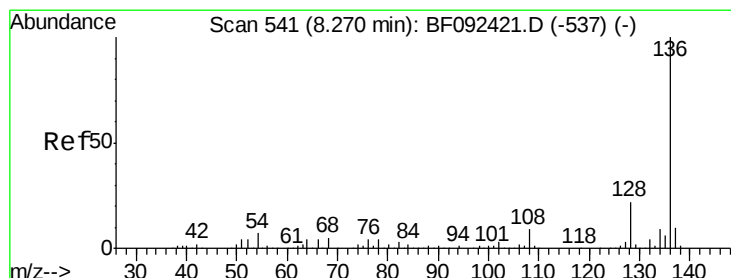
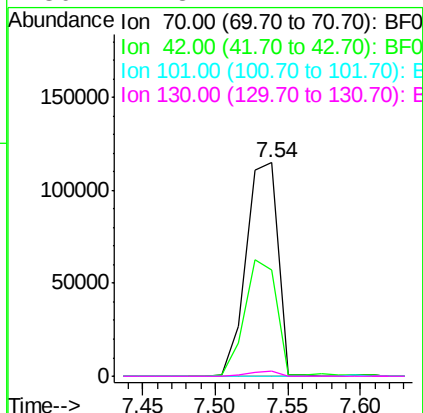
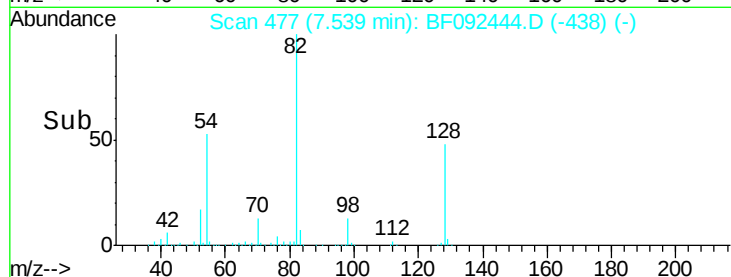
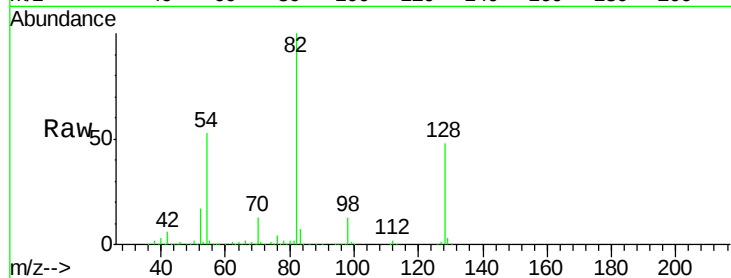
Ion Ratio Lower Upper

70 100

42 49.7 49.4 74.0

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092444.D

Acq: 24 Jan 2017 22:18

Tgt Ion: 136 Resp: 656169

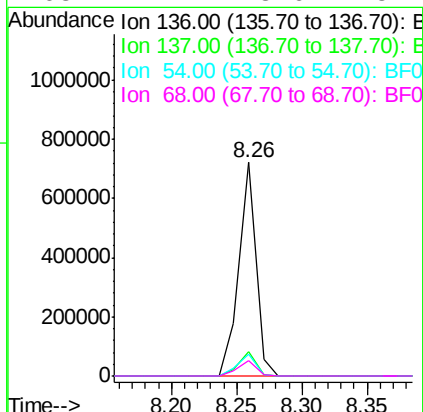
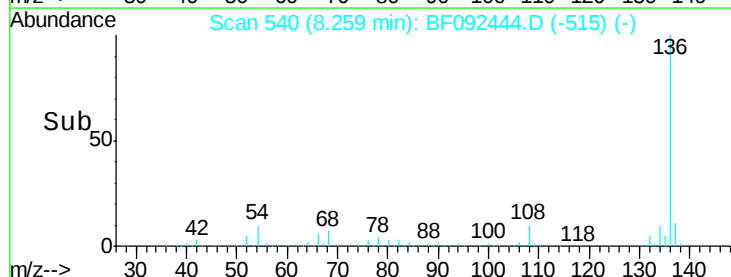
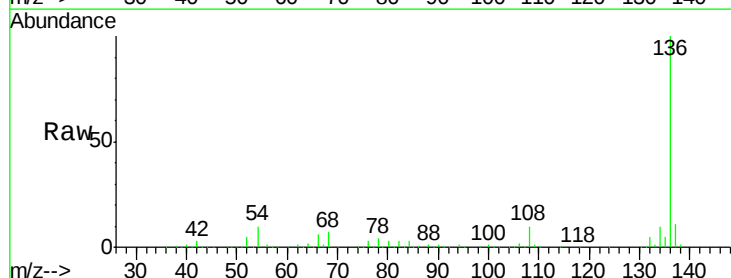
Ion Ratio Lower Upper

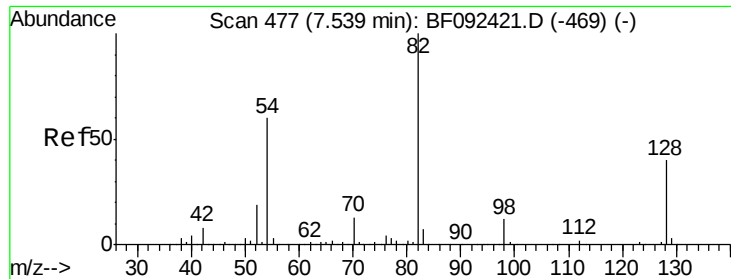
136 100

137 11.2 8.4 12.6

54 10.3 4.5 6.7#

68 7.2 3.6 5.4#

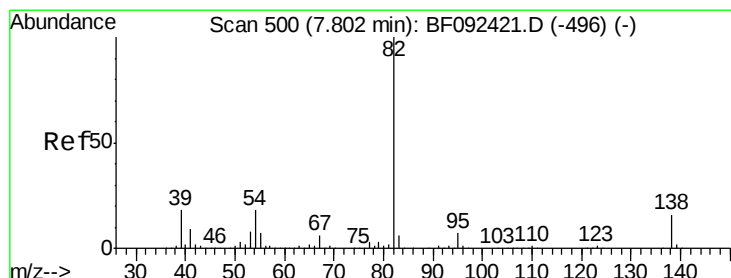
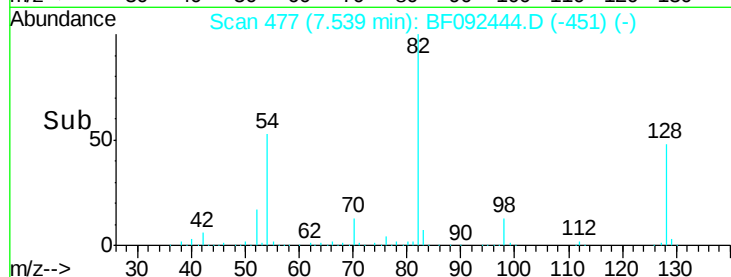
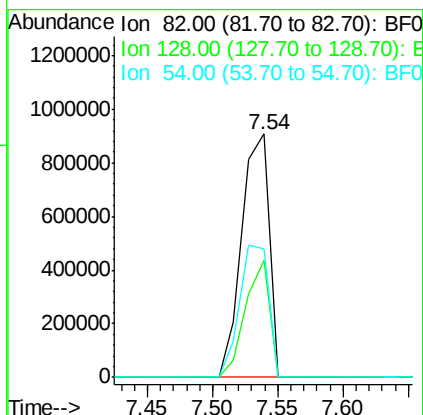
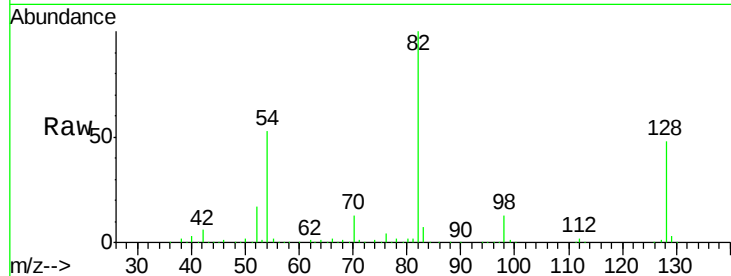




#23
 Nitrobenzene-d5
 Concen: 110.13 ng
 RT: 7.54 min Scan# 477
 Delta R.T. 0.00 min
 Lab File: BF092444.D
 Acq: 24 Jan 2017 22:18

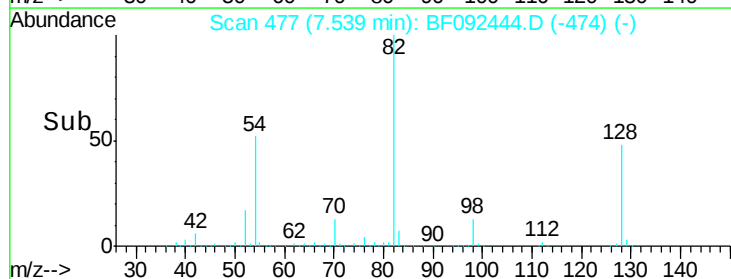
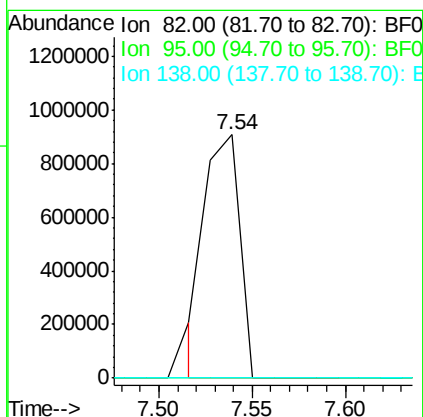
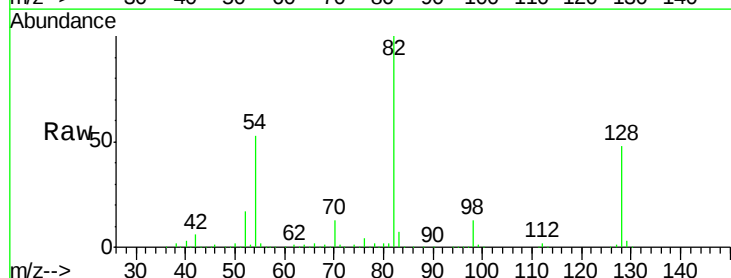
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 FK-GF-01-001-A

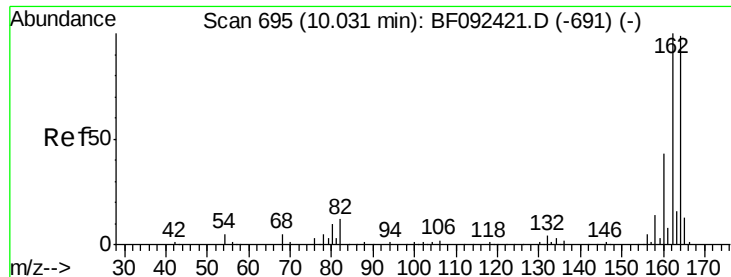
Tgt Ion: 82 Resp: 1322851
 Ion Ratio Lower Upper
 82 100
 128 48.2 34.6 52.0
 54 52.6 39.5 59.3



#25
 Isophorone
 Concen: 49.87 ng
 RT: 7.54 min Scan# 477
 Delta R.T. -0.26 min
 Lab File: BF092444.D
 Acq: 24 Jan 2017 22:18

Tgt Ion: 82 Resp: 1180578
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#

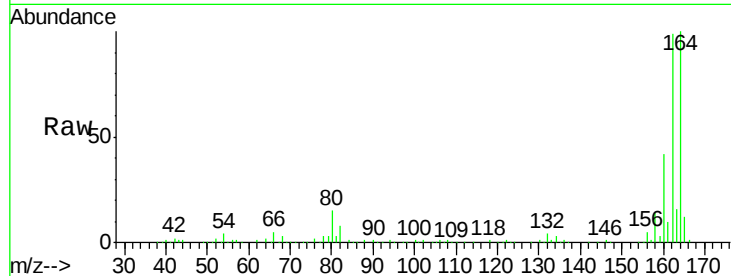




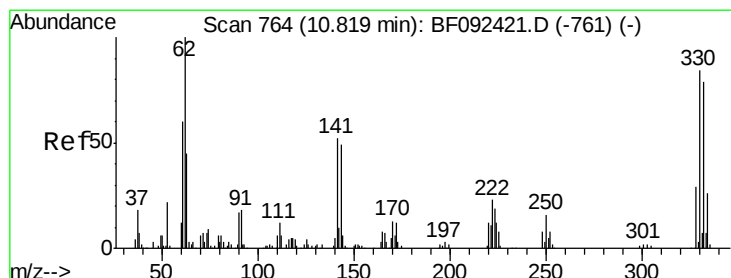
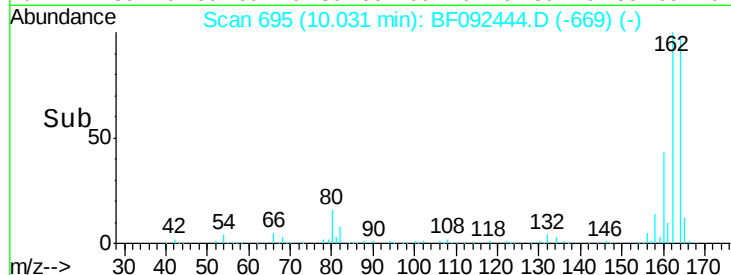
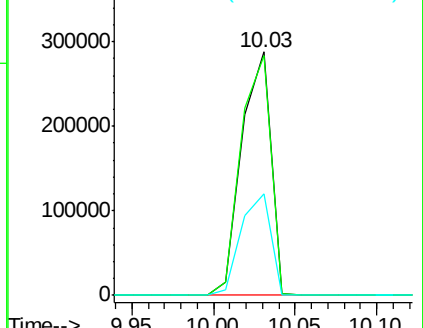
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF092444.D
Acq: 24 Jan 2017 22:18

Instrument :
BNA_F
ClientSampleId :
FK-GF-01-001-A

Tgt Ion:164 Resp: 356451
Ion Ratio Lower Upper
164 100
162 98.7 80.2 120.2
160 41.9 36.9 55.3

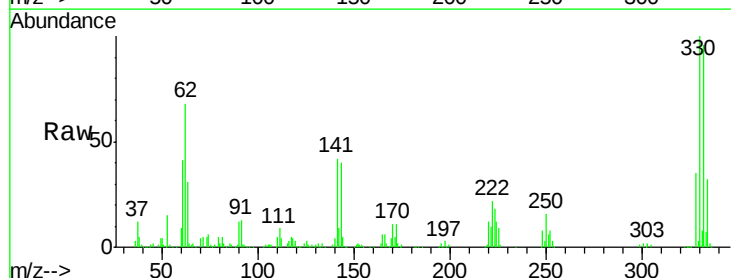


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

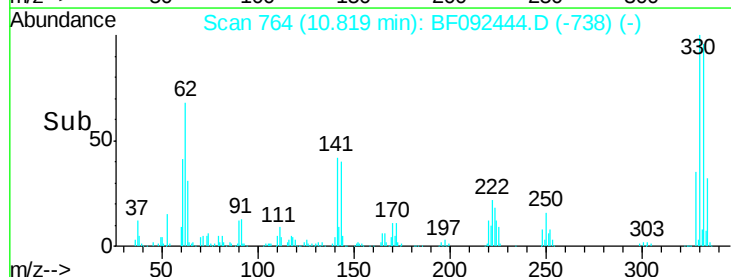
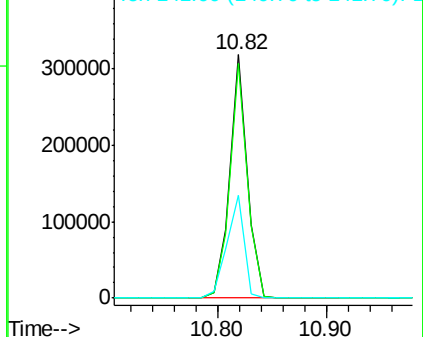


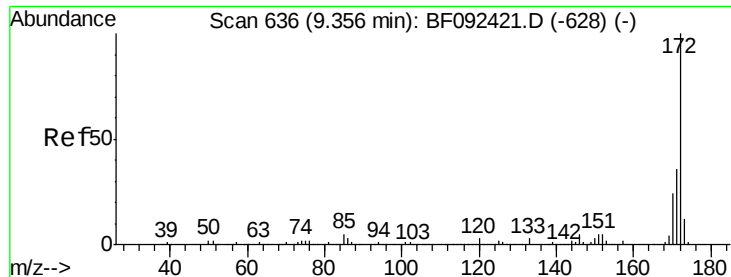
#41
2,4,6-Tribromophenol
Concen: 145.67 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.00 min
Lab File: BF092444.D
Acq: 24 Jan 2017 22:18

Tgt Ion:330 Resp: 353843
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.2
141 41.9 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

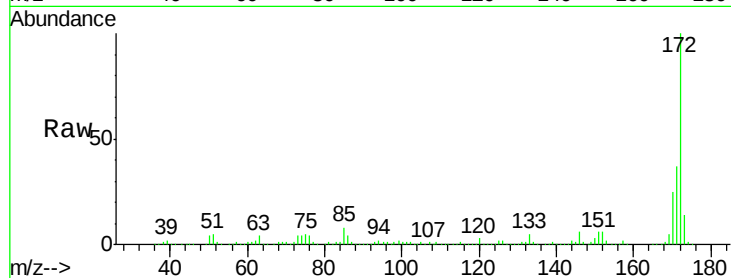




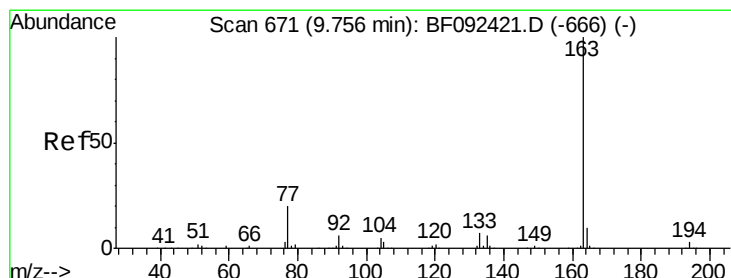
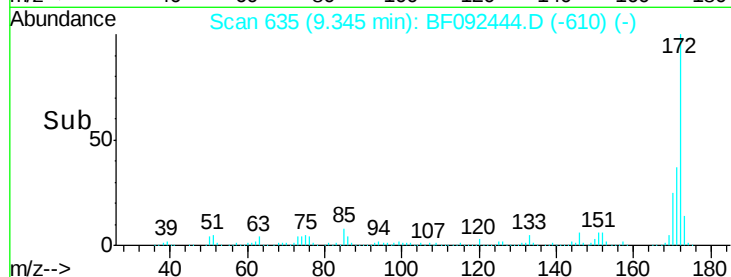
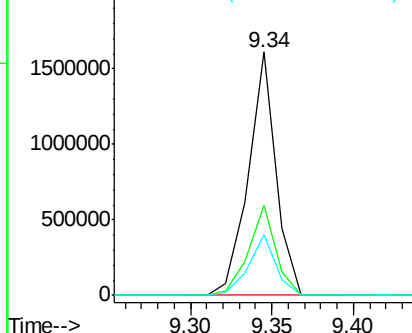
#44
 2-Fluorobiphenyl
 Concen: 97.86 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092444.D
 Acq: 24 Jan 2017 22:18

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-001-A

Tgt Ion:172 Resp: 1886317
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.4 44.0
 170 24.8 20.2 30.4

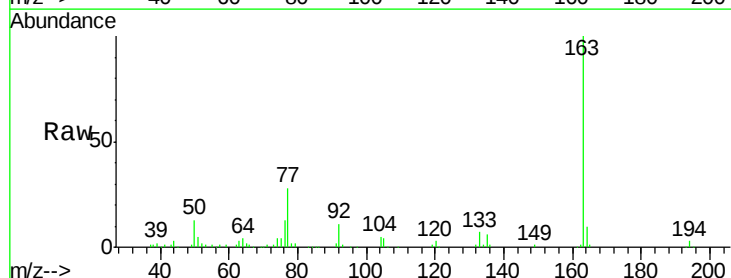


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

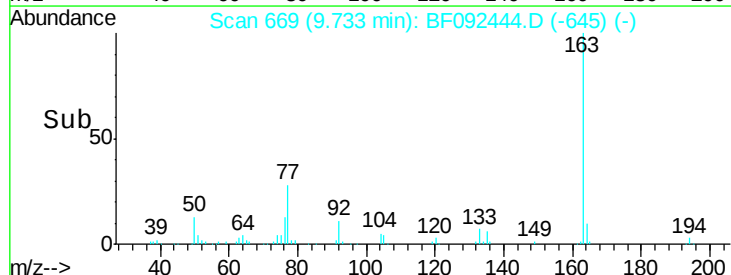
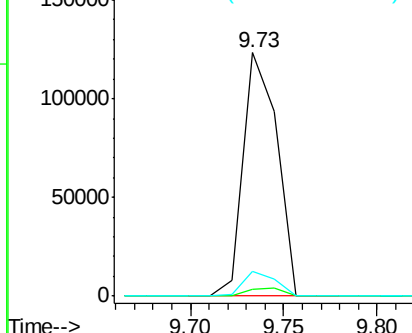


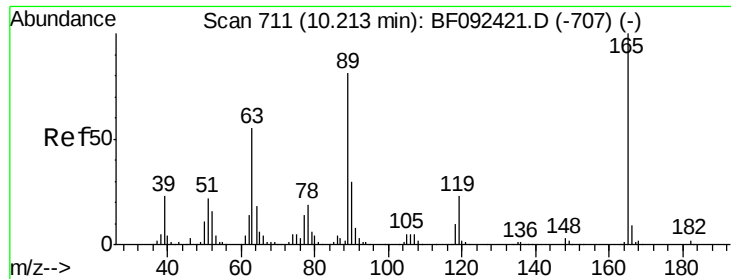
#49
 Dimethylphthalate
 Concen: 6.81 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.02 min
 Lab File: BF092444.D
 Acq: 24 Jan 2017 22:18

Tgt Ion:163 Resp: 154269
 Ion Ratio Lower Upper
 163 100
 194 3.0 3.0 4.4
 164 10.0 8.0 12.0



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

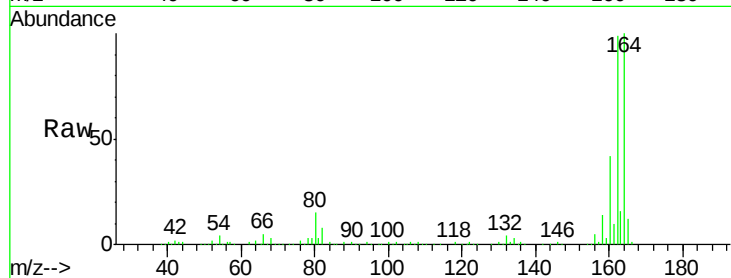




#56
2,4-Dinitrotoluene
Concen: 7.41 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.18 min
Lab File: BF092444.D
Acq: 24 Jan 2017 22:18

Instrument :
BNA_F
ClientSampleId :
FK-GF-01-001-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.2	60.4#
89	0.0	62.5	93.7#
182	0.0	1.8	2.8#

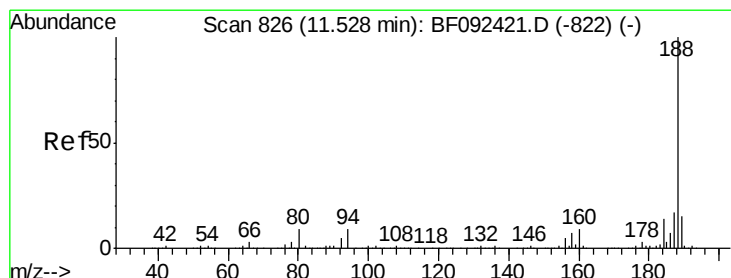
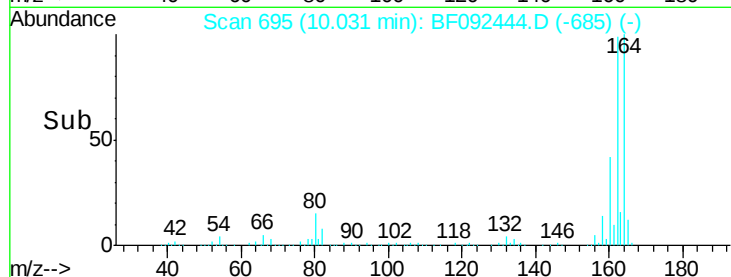
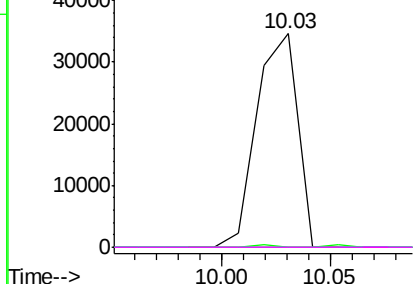


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

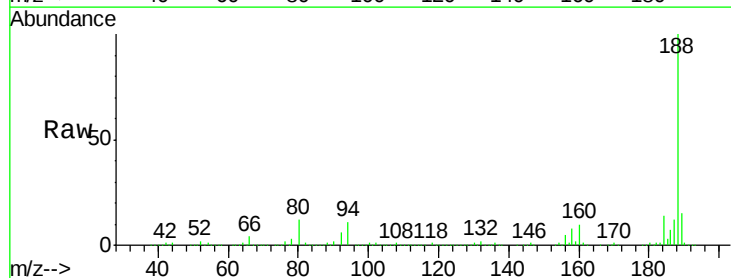
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092444.D
Acq: 24 Jan 2017 22:18

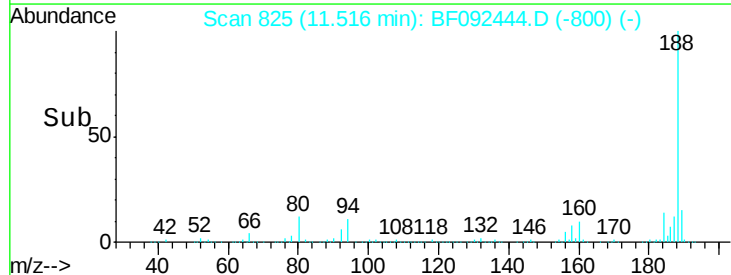
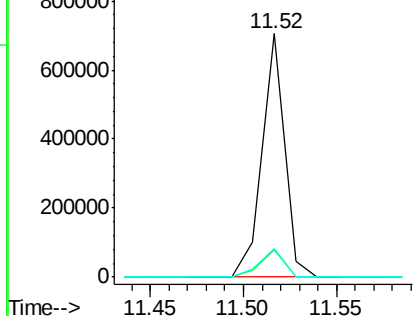
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	10.0	15.0
80	11.8	11.2	16.8

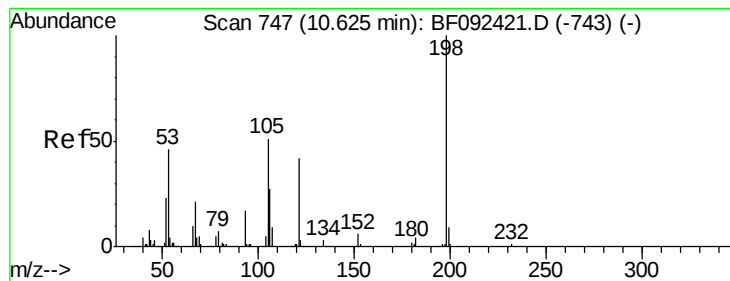


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.23 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.20 min

Lab File: BF092444.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-001-A

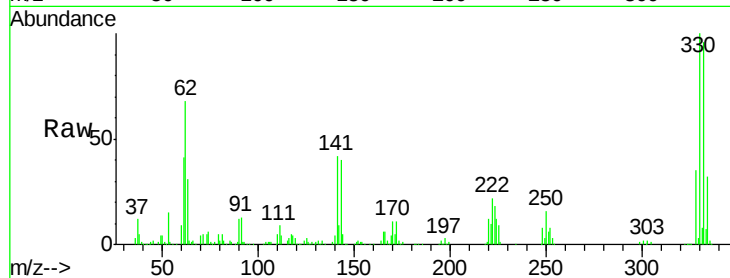
Tgt Ion:198 Resp: 990

Ion Ratio Lower Upper

198 100

51 223.9 6.7 46.7#

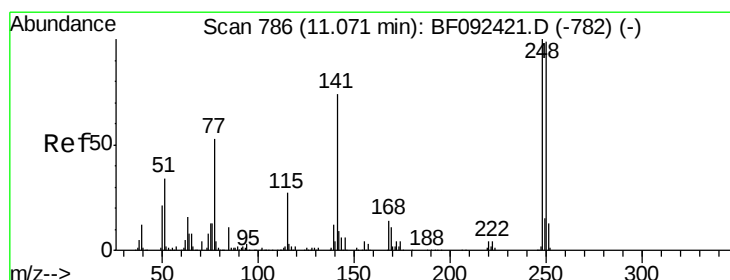
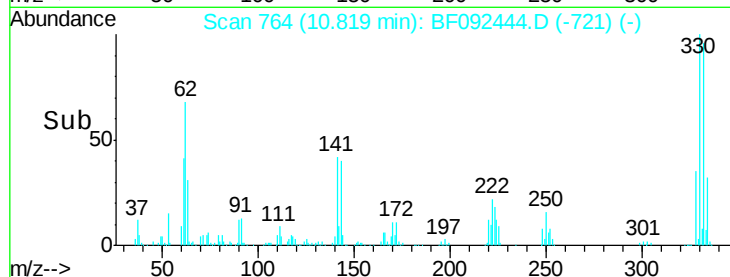
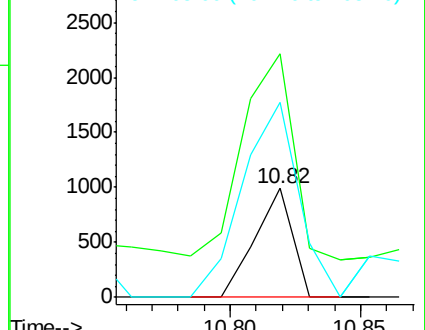
105 179.6 16.6 56.6#



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: 4.64 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.25 min

Lab File: BF092444.D

Acq: 24 Jan 2017 22:18

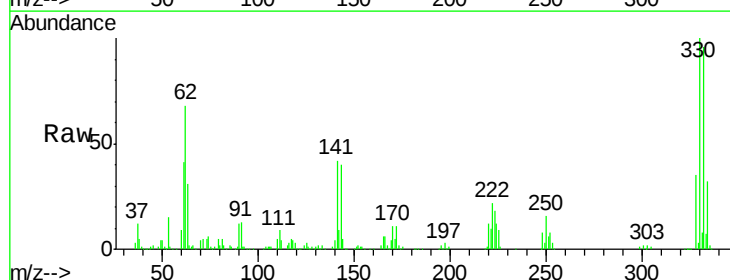
Tgt Ion:248 Resp: 27514

Ion Ratio Lower Upper

248 100

250 193.2 76.9 115.3#

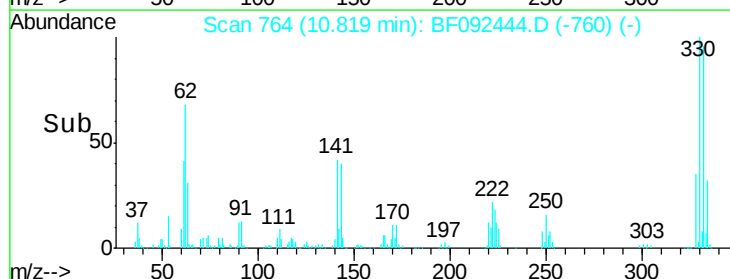
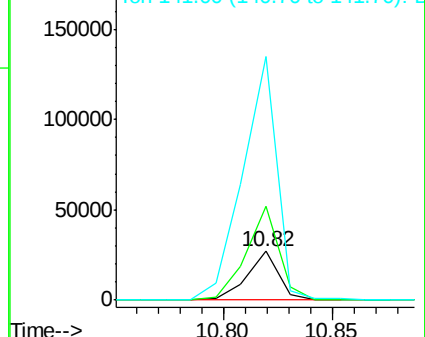
141 501.1 68.2 102.4#

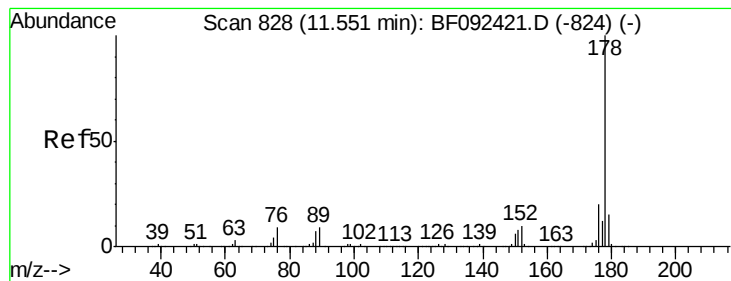


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.42 ng

RT: 11.54 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF092444.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-001-A

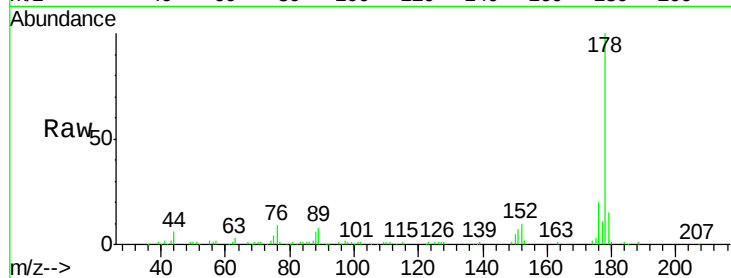
Tgt Ion:178 Resp: 78404

Ion Ratio Lower Upper

178 100

176 19.7 16.6 25.0

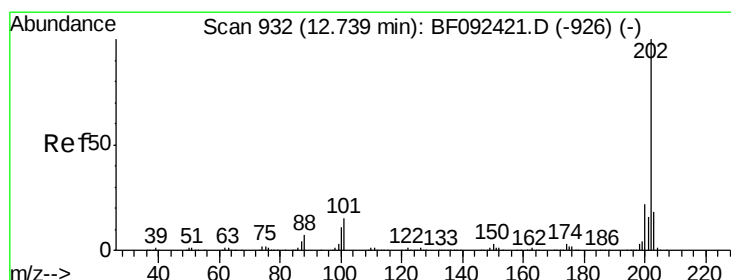
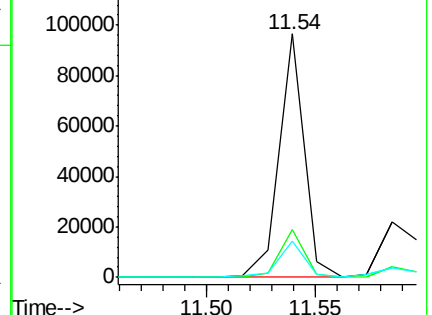
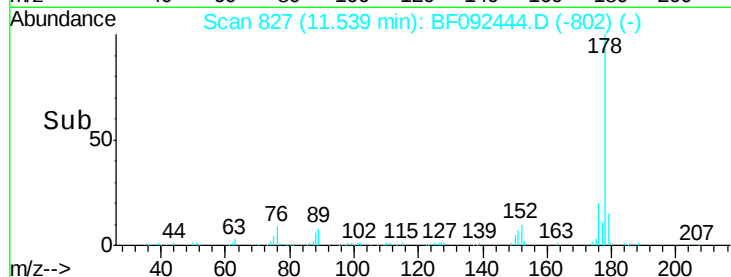
179 14.9 12.8 19.2



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



#74

Fluoranthene

Concen: 4.58 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF092444.D

Acq: 24 Jan 2017 22:18

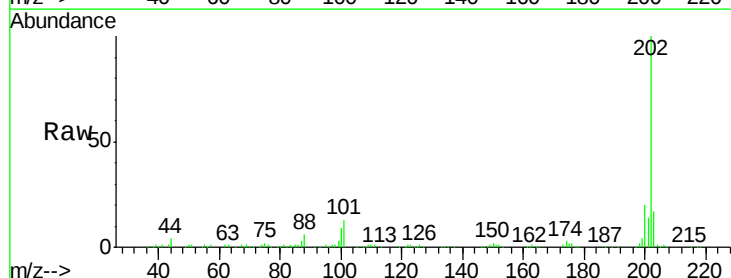
Tgt Ion:202 Resp: 145038

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.6

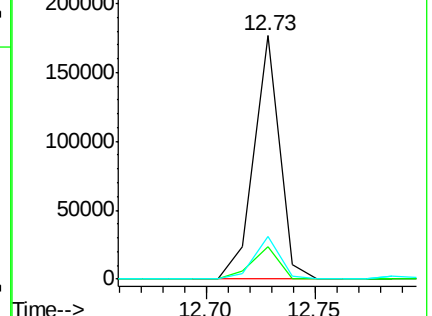
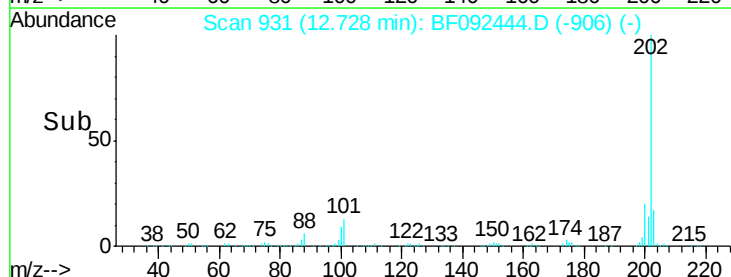
203 17.5 0.0 38.7

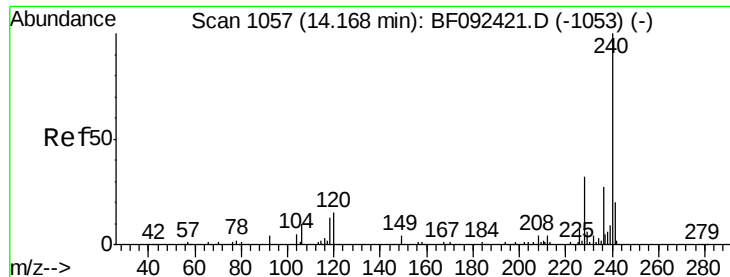


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.16 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF092444.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-001-A

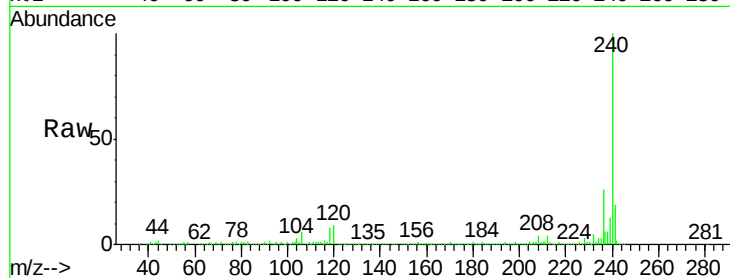
Tgt Ion:240 Resp: 418761

Ion Ratio Lower Upper

240 100

120 8.8 12.9 19.3#

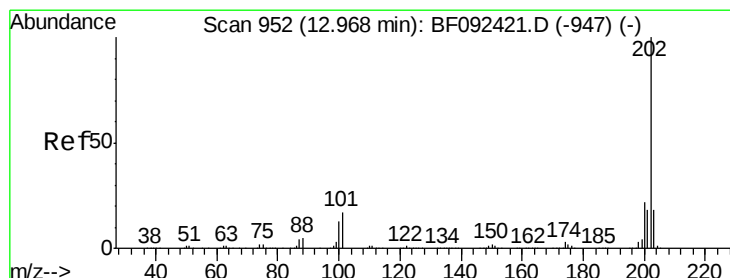
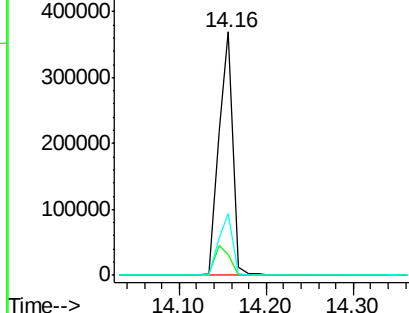
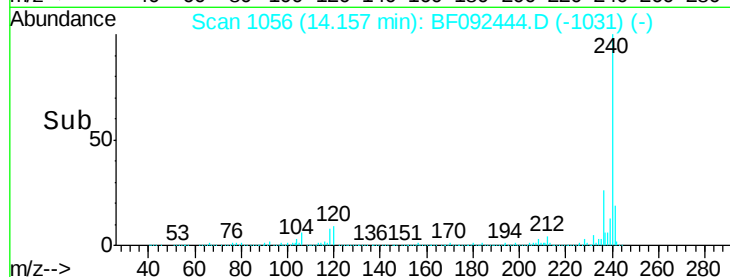
236 25.5 20.9 31.3



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: 4.27 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF092444.D

Acq: 24 Jan 2017 22:18

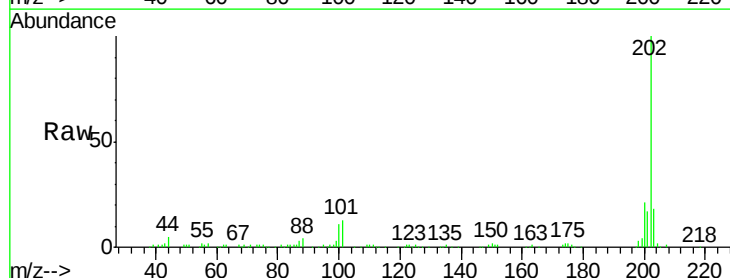
Tgt Ion:202 Resp: 129406

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

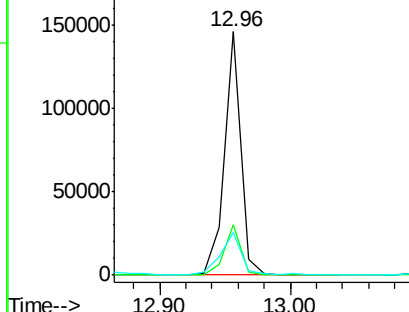
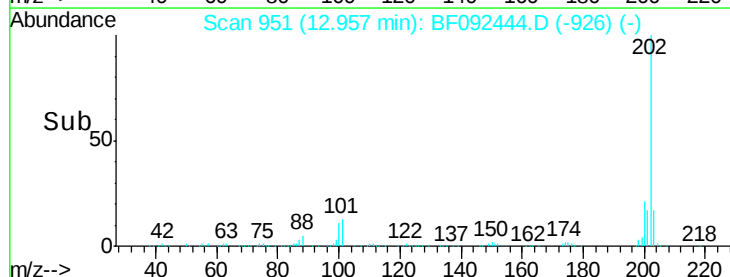
203 17.7 14.7 22.1

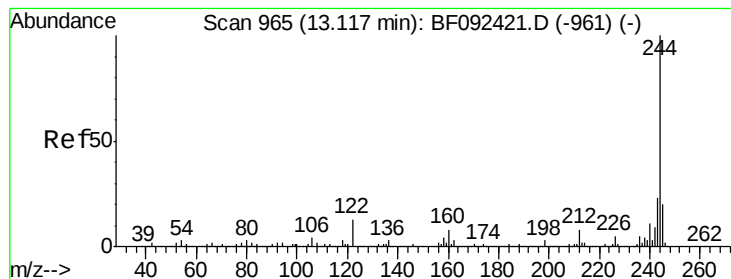


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 109.59 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092444.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-001-A

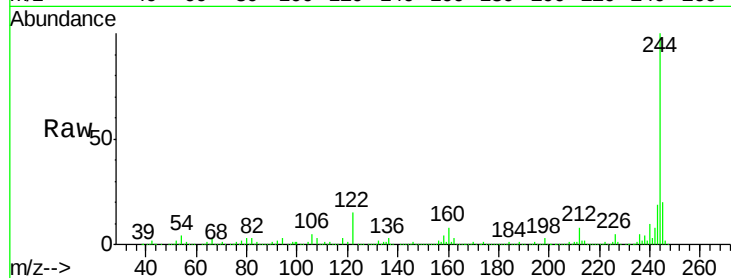
Tgt Ion:244 Resp: 1723480

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

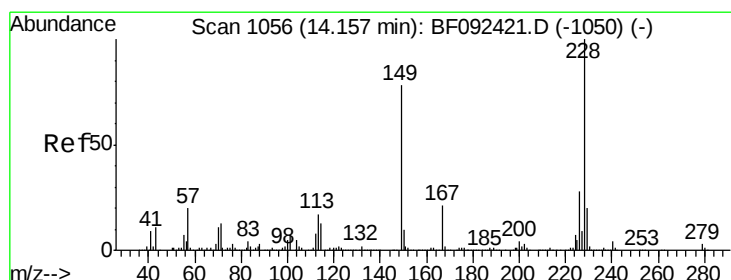
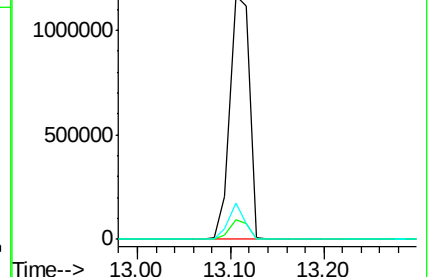
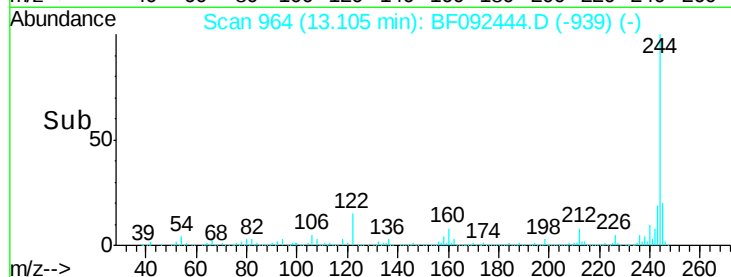
122 14.9 11.4 17.2



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: 2.53 ng

RT: 14.15 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BF092444.D

Acq: 24 Jan 2017 22:18

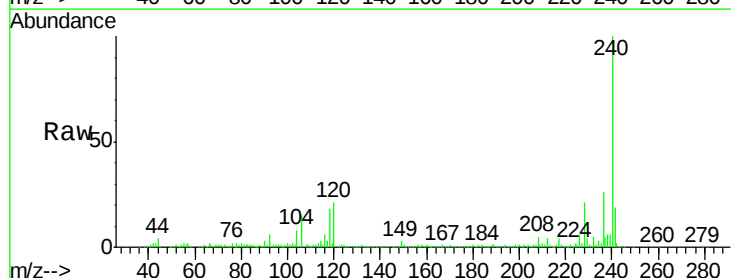
Tgt Ion:228 Resp: 56886

Ion Ratio Lower Upper

228 100

226 28.7 22.4 33.6

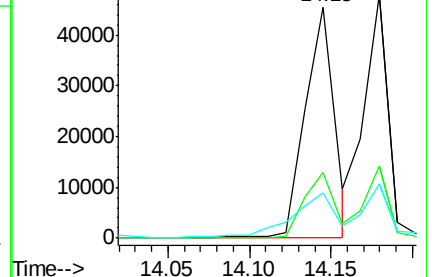
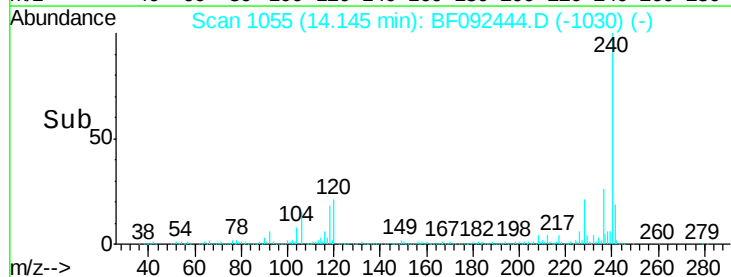
229 19.4 16.2 24.4

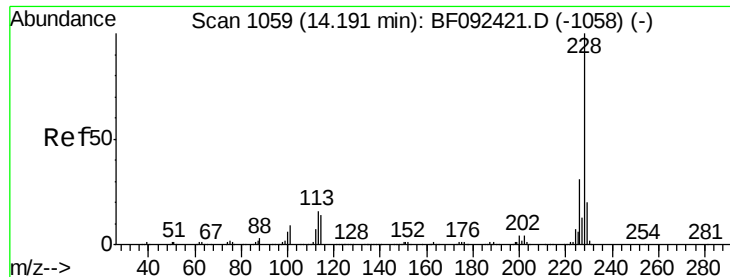


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.37 ng

RT: 14.15 min Scan# 1055

Delta R.T. -0.05 min

Lab File: BF092444.D

Acq: 24 Jan 2017 22:18

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-001-A

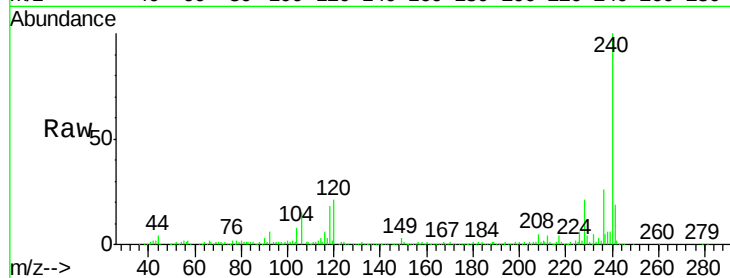
Tgt Ion:228 Resp: 56886

Ion Ratio Lower Upper

228 100

226 28.7 25.4 38.0

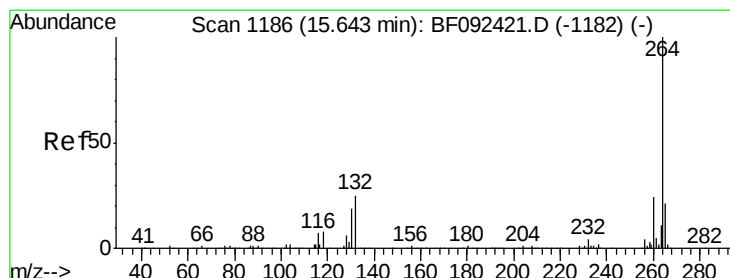
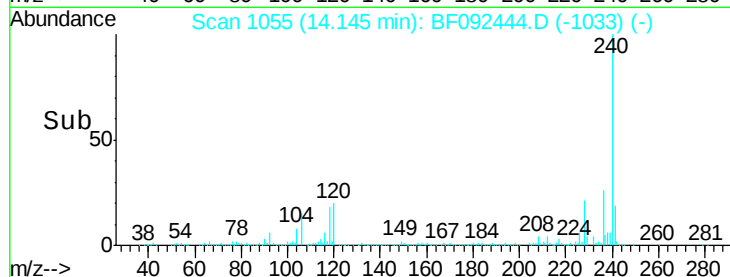
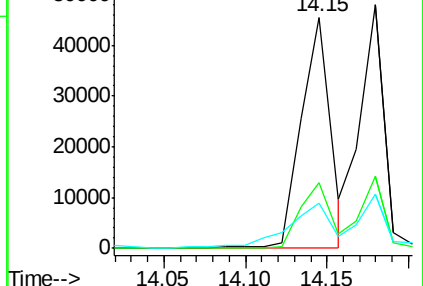
229 19.4 16.2 24.2



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: 15.63 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF092444.D

Acq: 24 Jan 2017 22:18

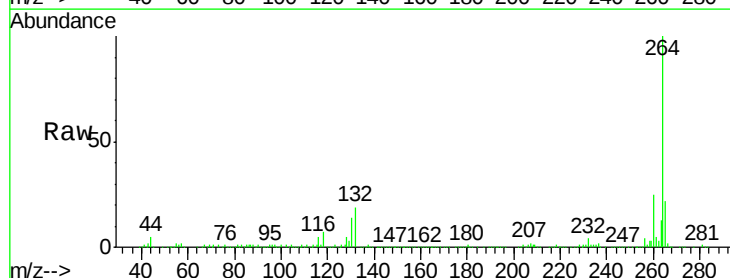
Tgt Ion:264 Resp: 331225

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

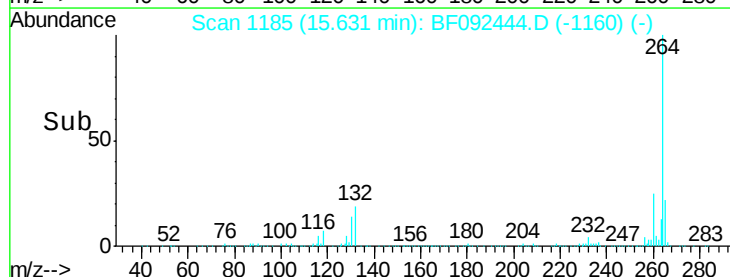
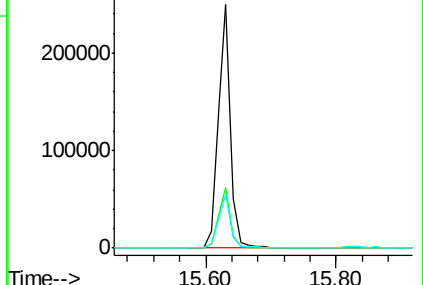
265 22.0 17.4 26.0

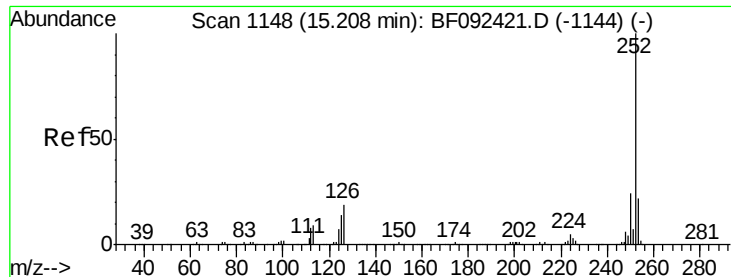


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

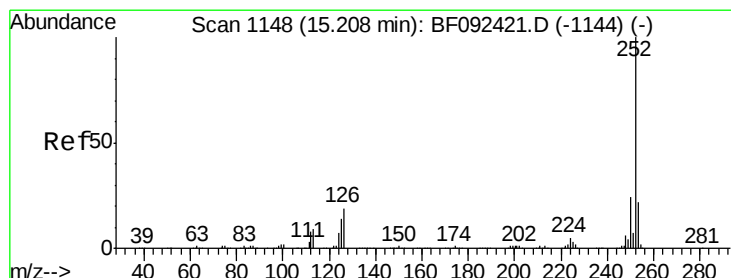
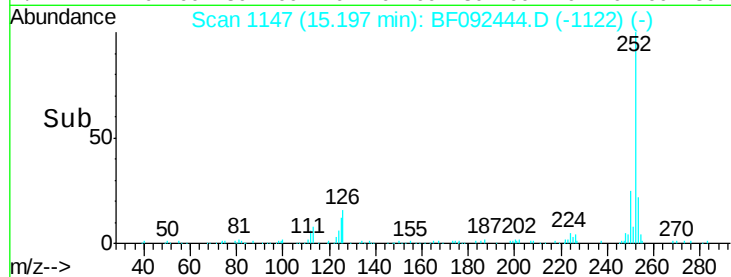
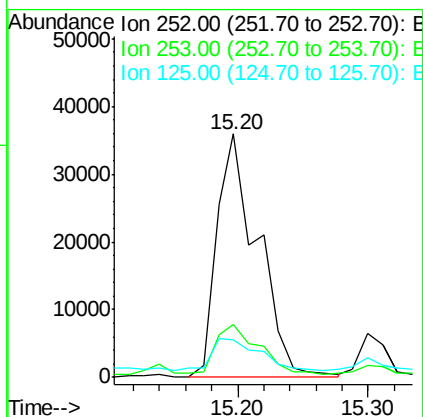
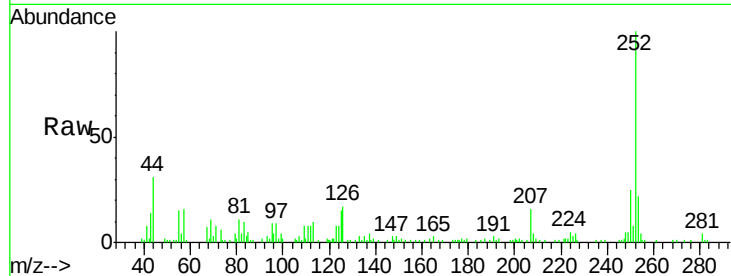




#87
Benzo(b)fluoranthene
Concen: 3.67 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF092444.D
Acq: 24 Jan 2017 22:18

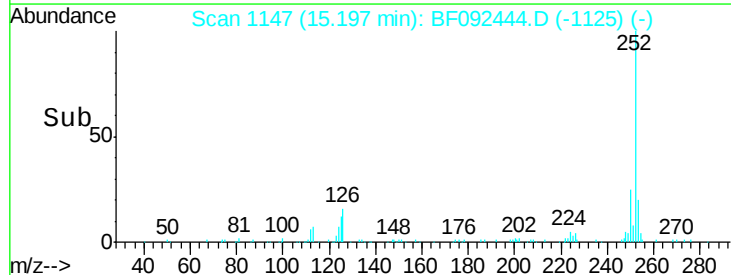
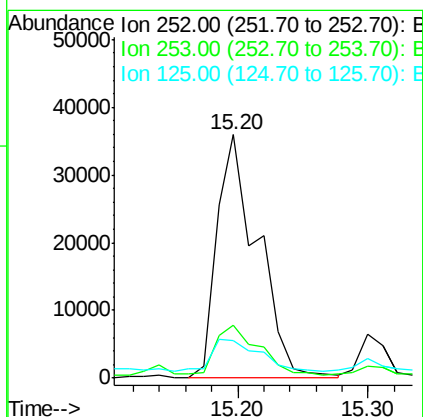
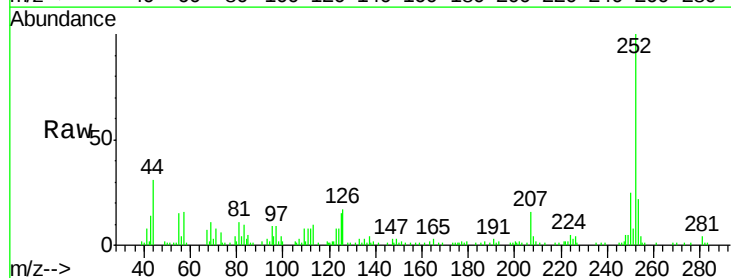
Instrument :
BNA_F
ClientSampleId :
FK-GF-01-001-A

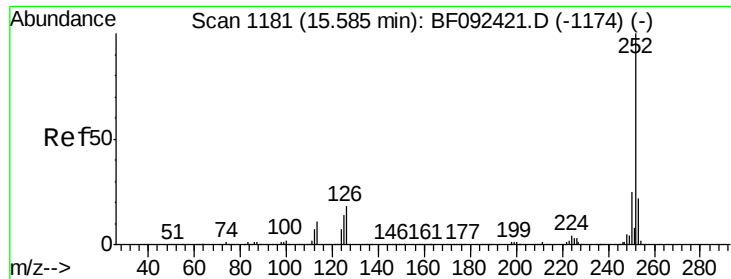
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.4
125	15.4	9.8	14.6#



#88
Benzo(k)fluoranthene
Concen: 4.42 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF092444.D
Acq: 24 Jan 2017 22:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.5	27.7
125	15.4	8.9	13.3#





#89

Benzo(a)pyrene

Concen: 2.23 ng

RT: 15.56 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BF092444.D

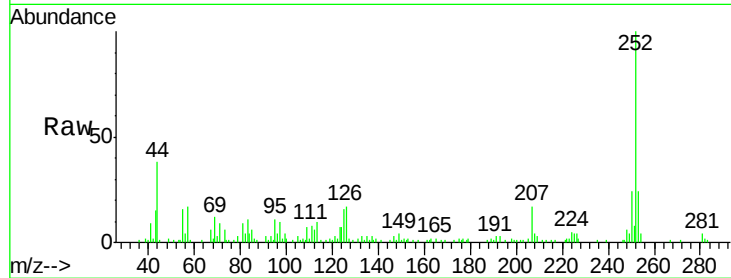
Acq: 24 Jan 2017 22:18

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-001-A



Tgt Ion:	252	Resp:	40186
Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	15.7	10.0	15.0#

