

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030217\
 Data File : BF093346.D
 Acq On : 3 Mar 2017 2:56
 Operator : SJ/MA
 Sample : I2036-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

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

Quant Time: Mar 03 03:53:25 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 03 00:22:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	166360	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	648968	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	276799	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	476972	20.00	ng	0.00
75) Chrysene-d12	13.97	240	313014	20.00	ng	-0.01
86) Perylene-d12	15.40	264	292453	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	892087	92.00	ng	0.00
7) Phenol-d6	6.44	99	1155308	92.60	ng	-0.01
23) Nitrobenzene-d5	7.37	82	722219	61.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	179098	89.46	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1239398	81.12	ng	0.00
78) Terphenyl-d14	12.92	244	756396	56.78	ng	0.00

Target Compounds

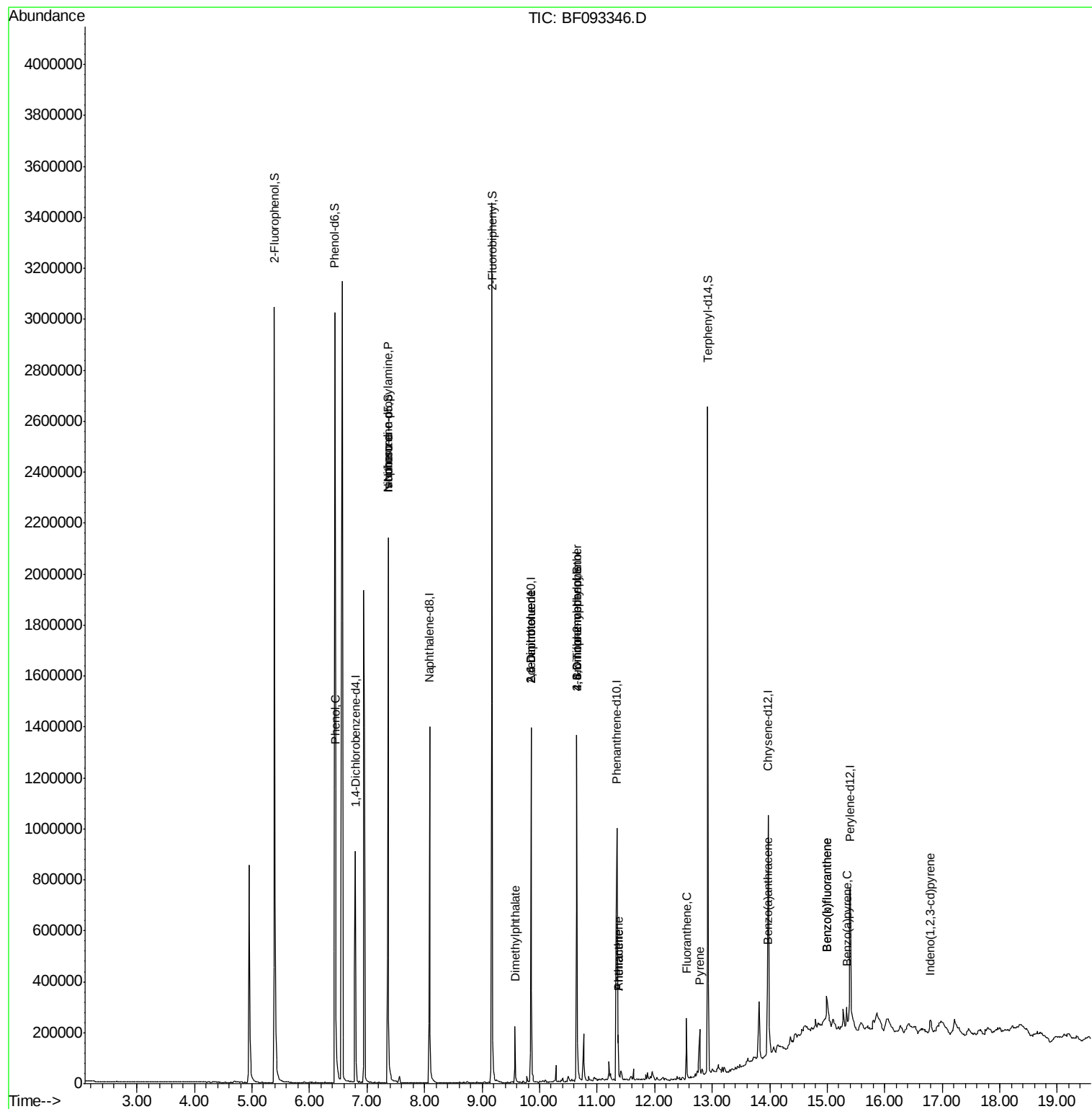
						Qvalue
10) Phenol	6.45	94	90714	6.21	ng	89
19) n-Nitroso-di-n-propylamine	7.37	70	96459	12.15	ng	# 81
25) Isophorone	7.37	82	600570	27.66	ng	# 65
49) Dimethylphthalate	9.57	163	100585	5.40	ng	98
50) 2,6-Dinitrotoluene	9.85	165	35636	8.85	ng	# 31
56) 2,4-Dinitrotoluene	9.85	165	35637	6.65	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.65	198	344	2.78	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	13518	2.71	ng	# 1
70) Phenanthrene	11.37	178	77422	2.83	ng	96
71) Anthracene	11.37	178	77422	2.82	ng	97
74) Fluoranthene	12.56	202	107169	3.80	ng	94
77) Pyrene	12.79	202	95284	4.07	ng	97
80) Benzo(a)anthracene	13.96	228	46349	2.42	ng	97
85) Indeno(1,2,3-cd)pyrene	16.80	276	30707	2.21	ng	94
87) Benzo(b)fluoranthene	14.99	252	73846	3.84	ng	# 91
88) Benzo(k)fluoranthene	14.99	252	73846	4.44	ng	# 91
89) Benzo(a)pyrene	15.35	252	42677	2.56	ng	# 95

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

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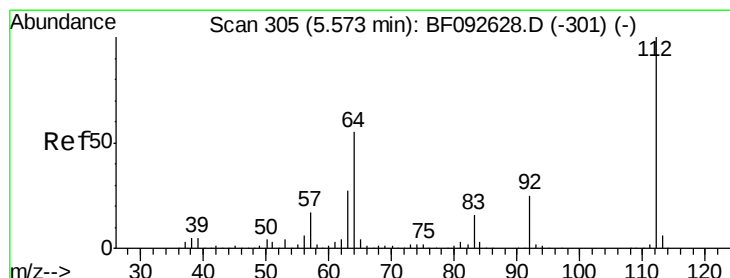
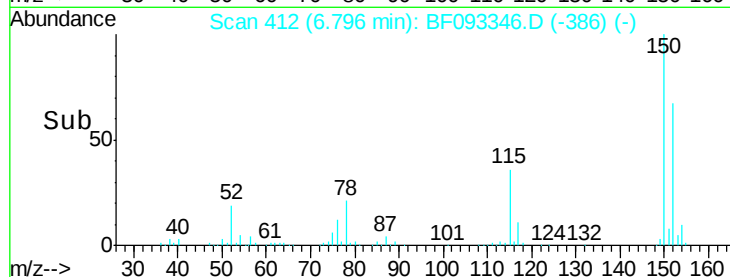
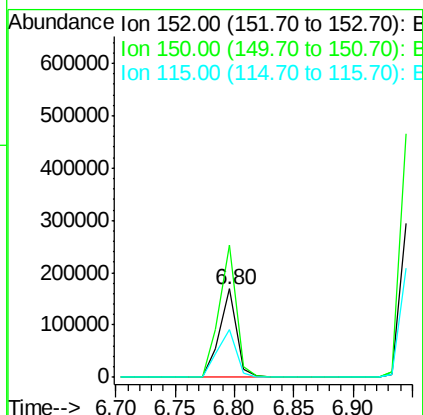
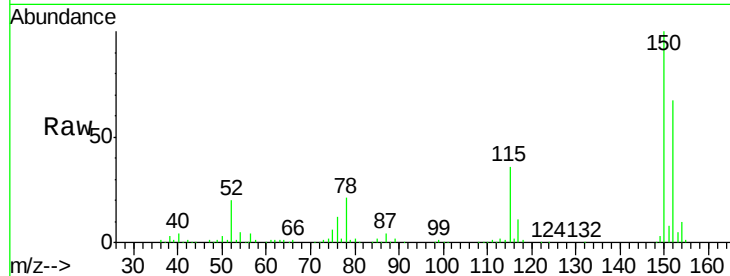


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 412
 Delta R.T. -0.00 min
 Lab File: BF093346.D
 Acq: 3 Mar 2017 2:56

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

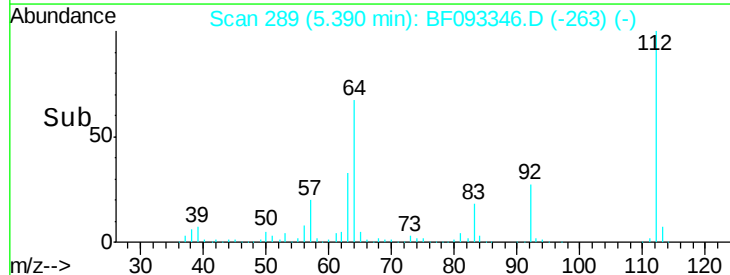
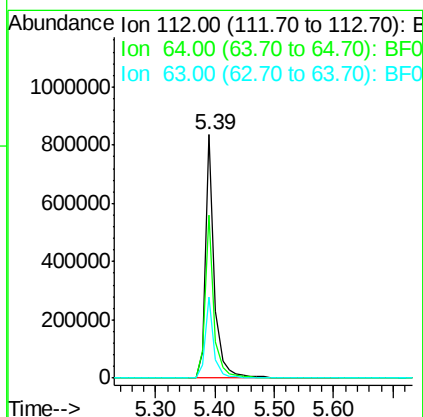
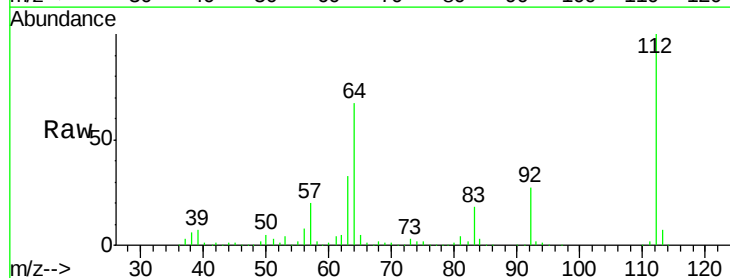
Tgt Ion:152 Resp: 166360
 Ion Ratio Lower Upper
 152 100
 150 150.1 124.9 187.3
 115 54.0 46.0 69.0



#5

2-Fluorophenol
 Concen: 92.00 ng
 RT: 5.39 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: BF093346.D
 Acq: 3 Mar 2017 2:56

Tgt Ion:112 Resp: 892087
 Ion Ratio Lower Upper
 112 100
 64 66.7 46.1 69.1
 63 33.4 23.8 35.6





#7

Phenol-d6

Concen: 92.60 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF093346.D

Acq: 3 Mar 2017 2:56

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-001-B

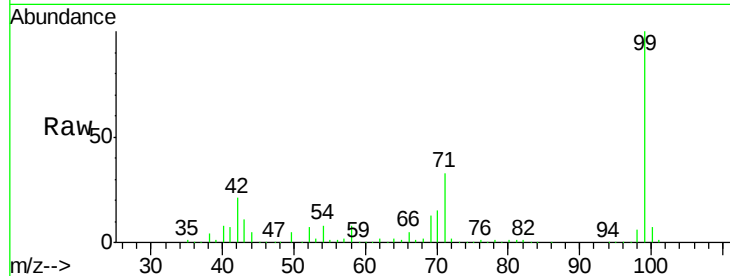
Tgt Ion: 99 Resp: 1155308

Ion Ratio Lower Upper

99 100

42 21.5 15.6 23.4

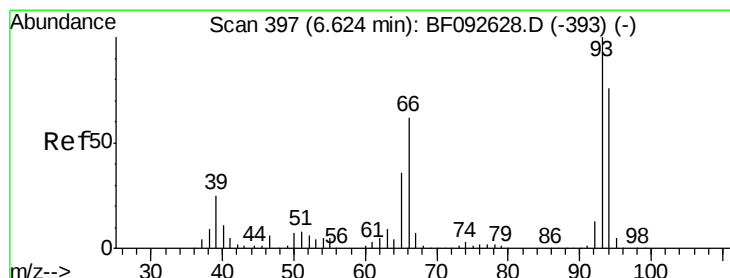
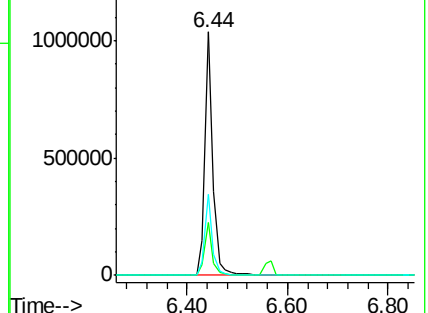
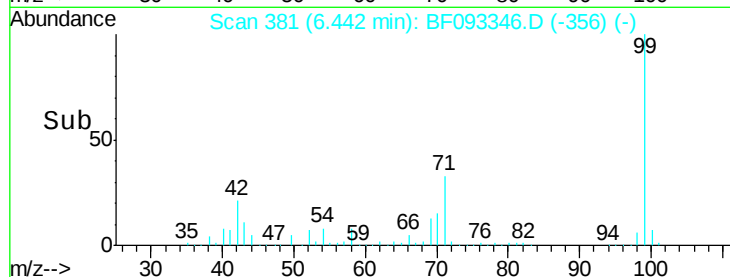
71 33.2 27.5 41.3



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: 6.21 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF093346.D

Acq: 3 Mar 2017 2:56

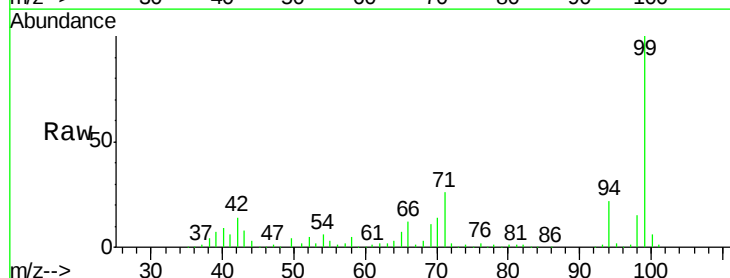
Tgt Ion: 94 Resp: 90714

Ion Ratio Lower Upper

94 100

65 33.6 21.4 61.4

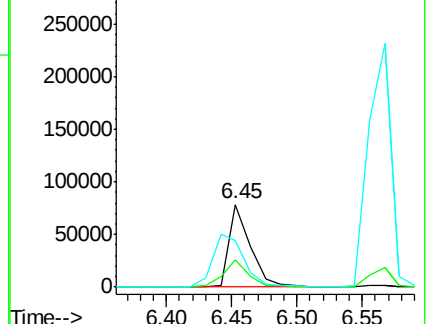
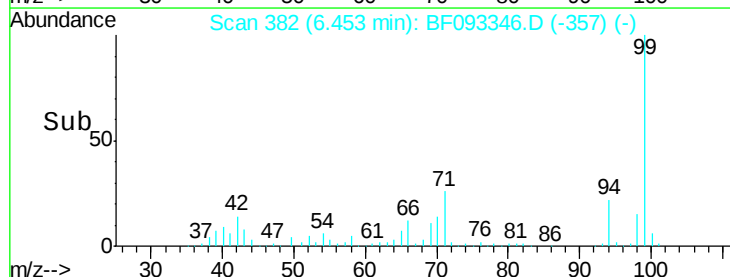
66 56.0 44.0 84.0



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

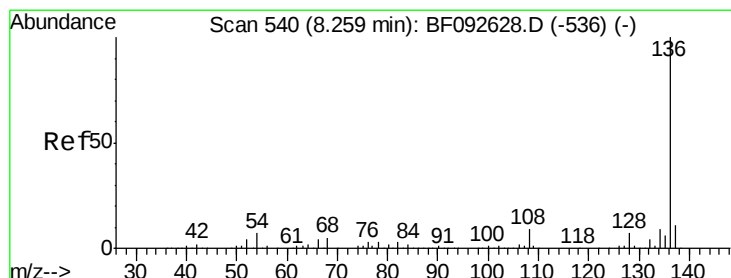
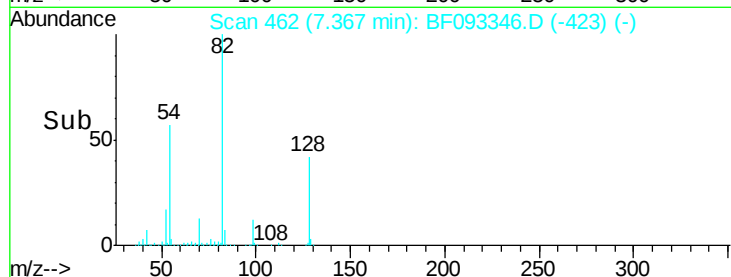
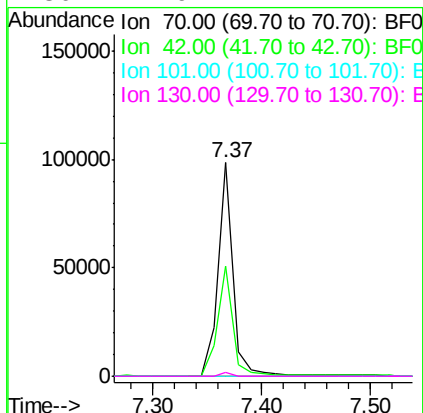
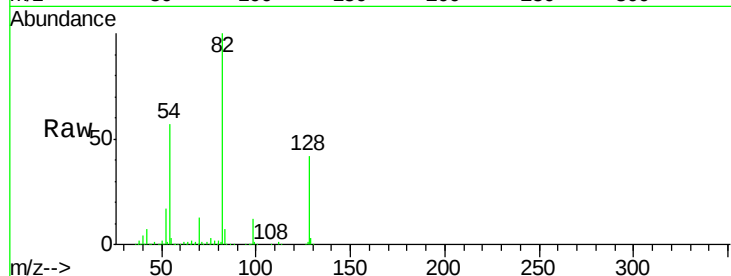




#19
n-Nitroso-di-n-propylamine
Concen: 12.15 ng
RT: 7.37 min Scan# 462
Delta R.T. 0.15 min
Lab File: BF093346.D
Acq: 3 Mar 2017 2:56

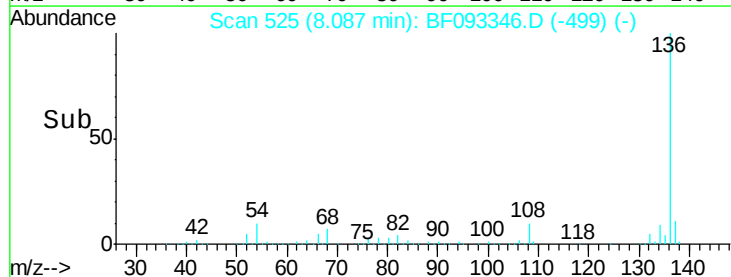
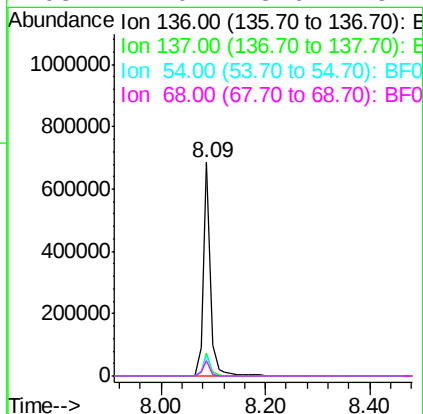
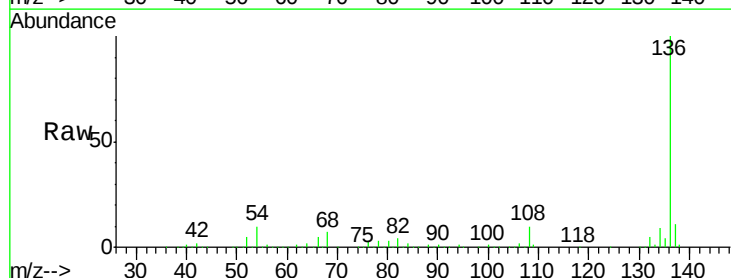
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-001-B

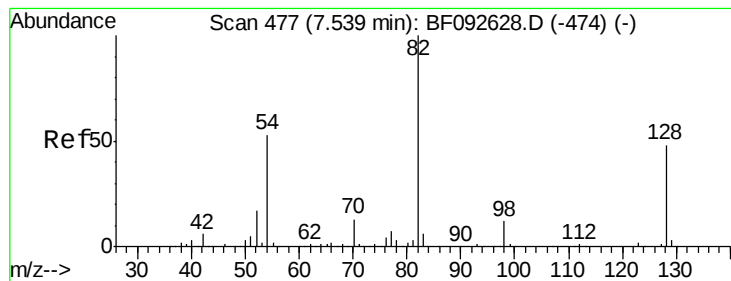
Tgt Ion: 70 Resp: 96459
Ion Ratio Lower Upper
70 100
42 51.7 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF093346.D
Acq: 3 Mar 2017 2:56

Tgt Ion: 136 Resp: 648968
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 9.8 4.5 6.7#
68 7.0 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 61.97 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.01 min

Lab File: BF093346.D

Acq: 3 Mar 2017 2:56

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-001-B

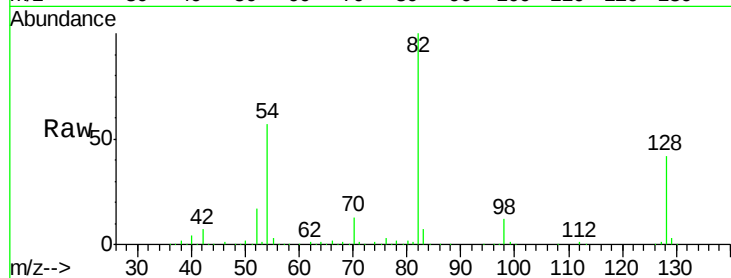
Tgt Ion: 82 Resp: 722219

Ion Ratio Lower Upper

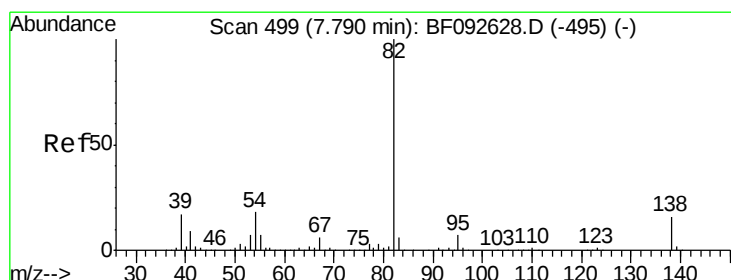
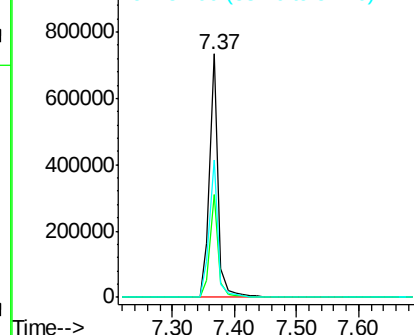
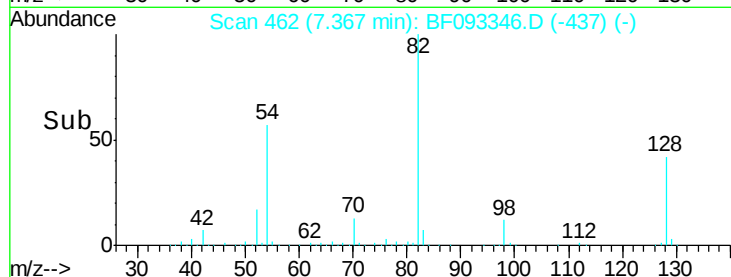
82 100

128 42.1 34.6 52.0

54 56.5 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: 27.66 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.26 min

Lab File: BF093346.D

Acq: 3 Mar 2017 2:56

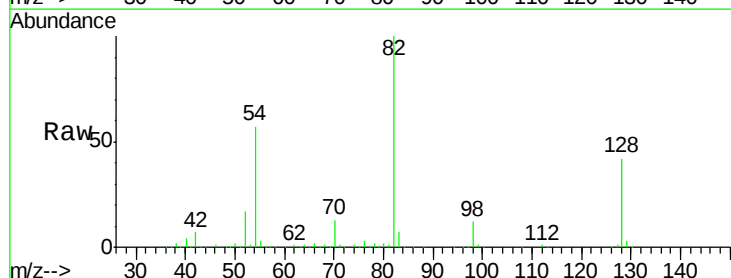
Tgt Ion: 82 Resp: 600570

Ion Ratio Lower Upper

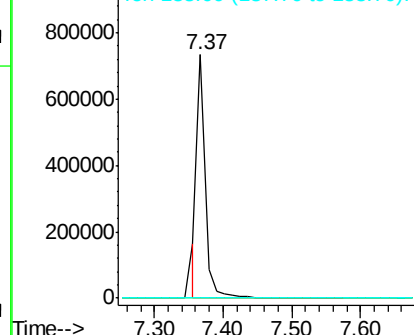
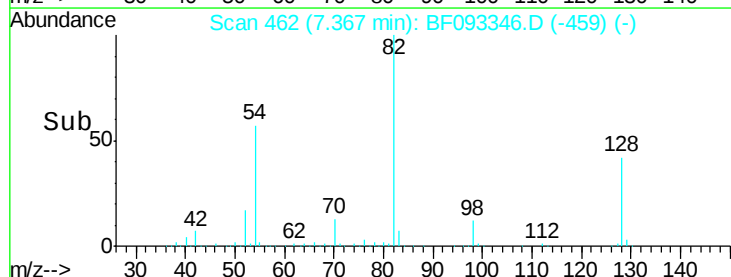
82 100

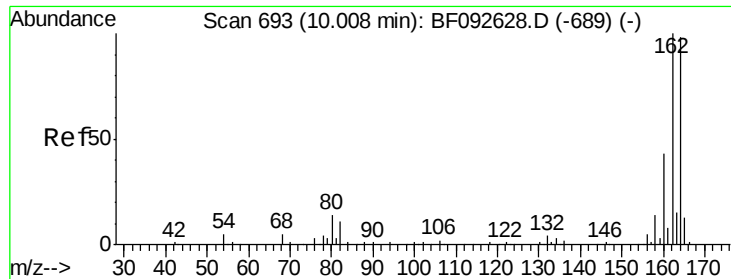
95 0.0 5.6 8.4#

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. -0.01 min

Lab File: BF093346.D

Acq: 3 Mar 2017 2:56

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ClientSampleId :

FK-GF-03-001-B

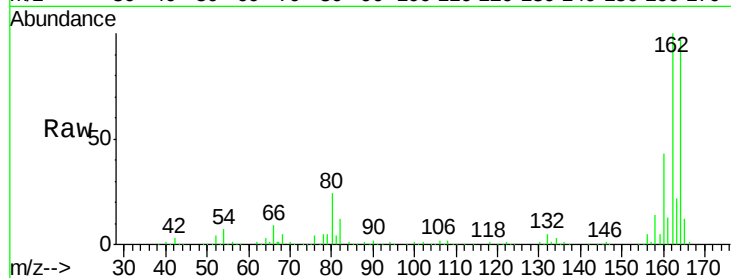
Tgt Ion:164 Resp: 276799

Ion Ratio Lower Upper

164 100

162 103.5 80.2 120.2

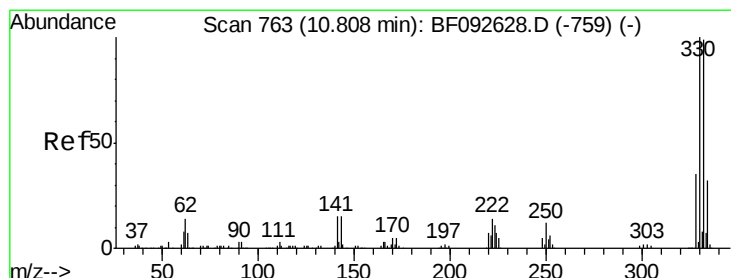
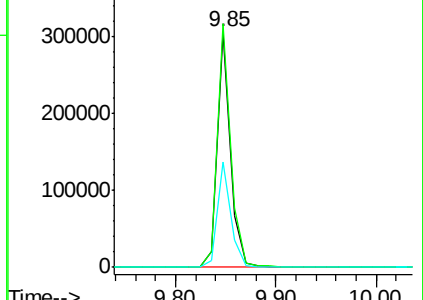
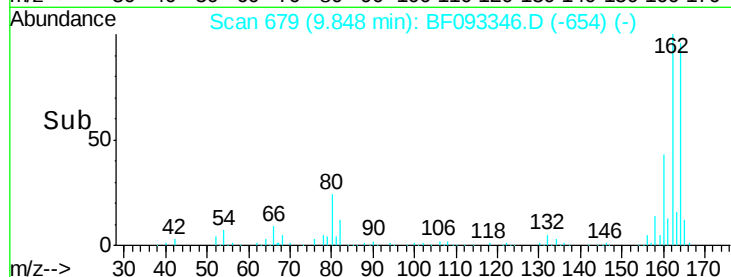
160 44.7 36.9 55.3



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: 89.46 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF093346.D

Acq: 3 Mar 2017 2:56

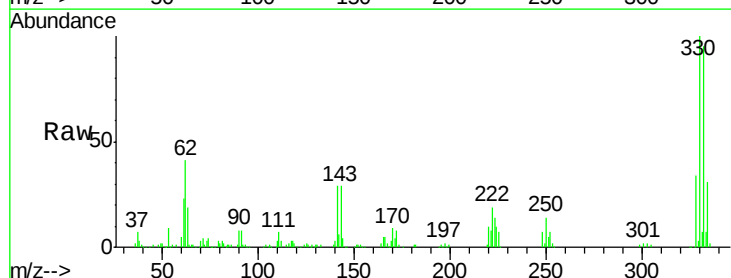
Tgt Ion:330 Resp: 179098

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.2

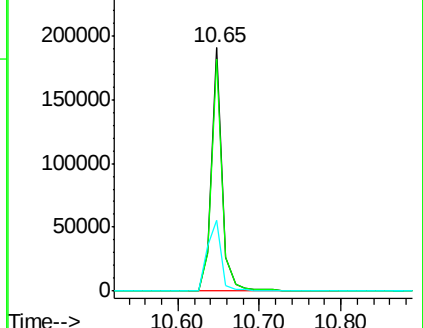
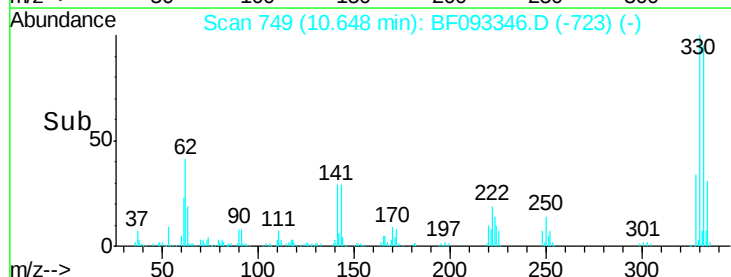
141 38.4 34.1 51.1

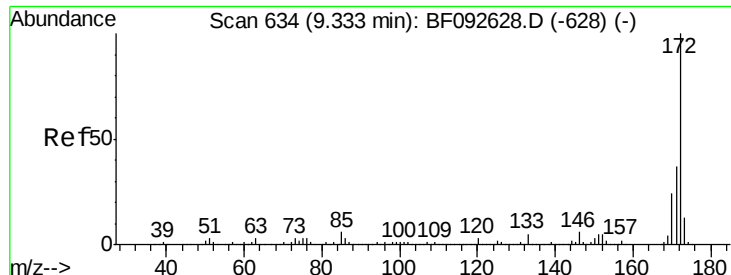


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

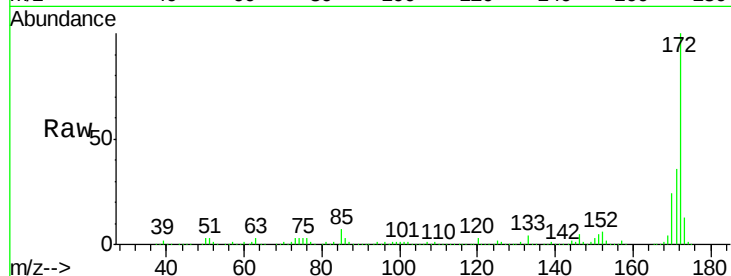




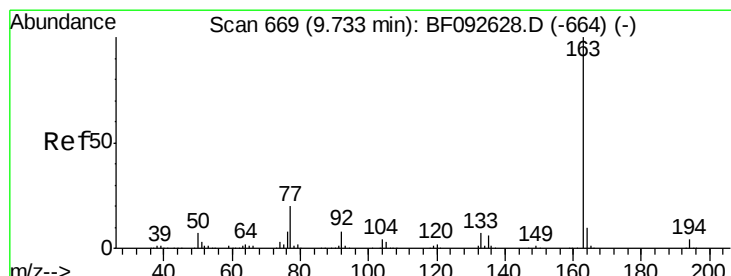
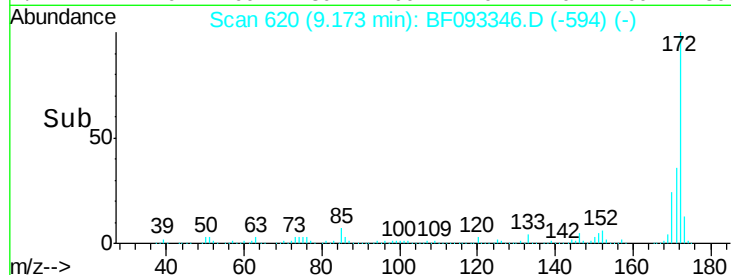
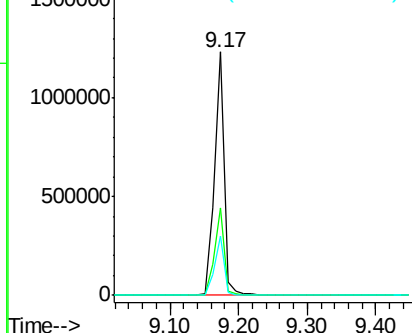
#44
 2-Fluorobiphenyl
 Concen: 81.12 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF093346.D
 Acq: 3 Mar 2017 2:56

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

Tgt Ion:172 Resp: 1239398
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 24.2 20.2 30.4

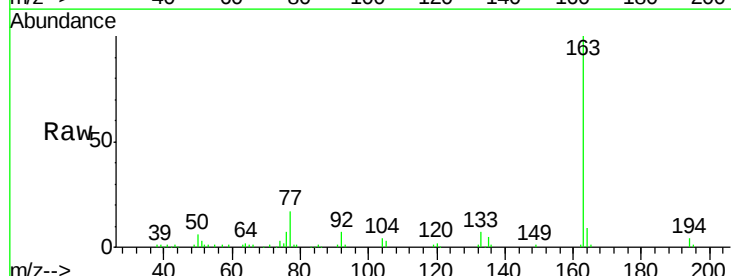


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

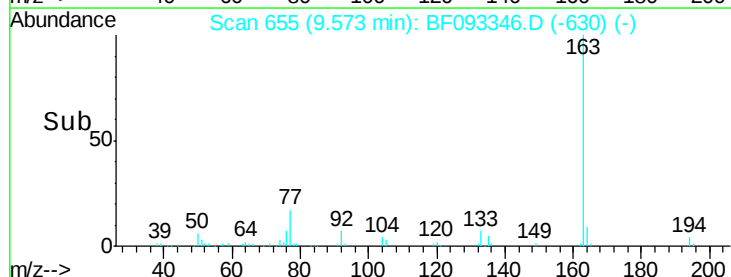
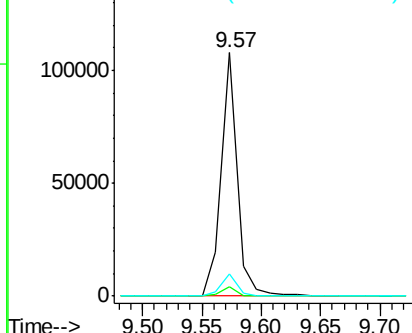


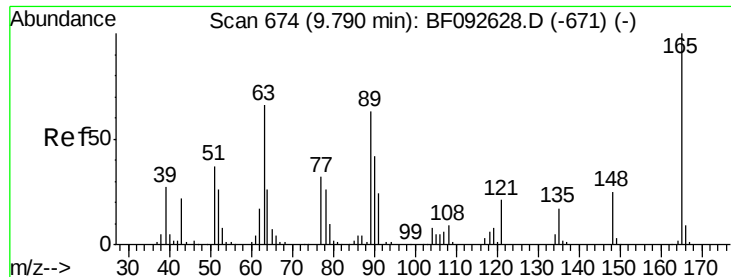
#49
 Dimethylphthalate
 Concen: 5.40 ng
 RT: 9.57 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: BF093346.D
 Acq: 3 Mar 2017 2:56

Tgt Ion:163 Resp: 100585
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.0 4.4
 164 9.3 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

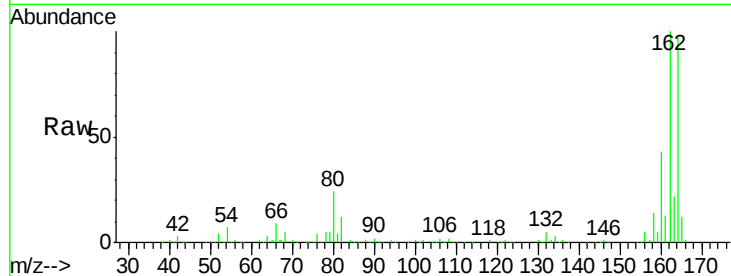




#50
 2,6-Dinitrotoluene
 Concen: 8.85 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.19 min
 Lab File: BF093346.D
 Acq: 3 Mar 2017 2:56

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

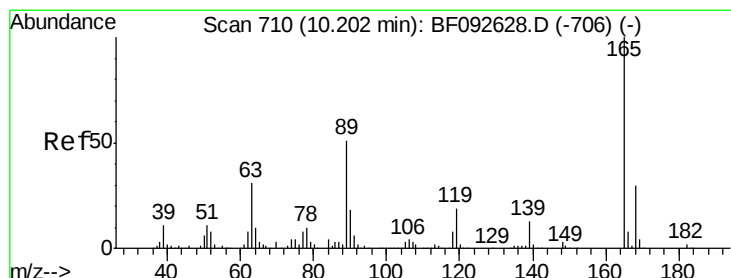
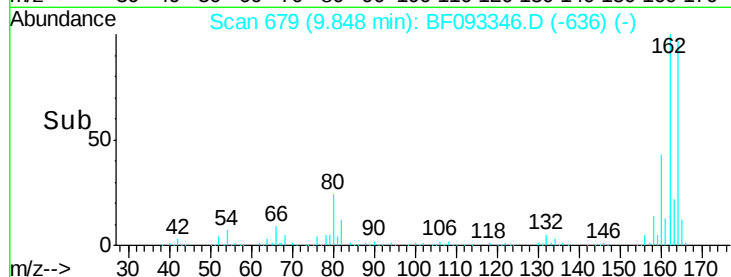
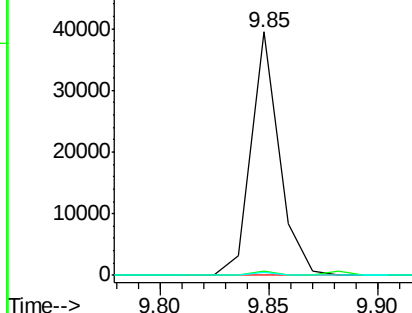
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.2	54.4#
89	1.4	40.2	60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

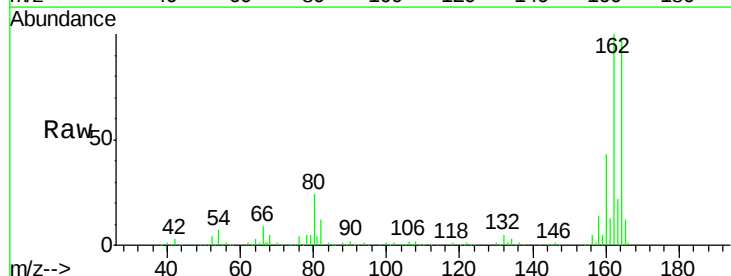
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.65 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.22 min
 Lab File: BF093346.D
 Acq: 3 Mar 2017 2:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	40.2	60.4#
89	1.4	62.5	93.7#
182	0.0	1.8	2.8#

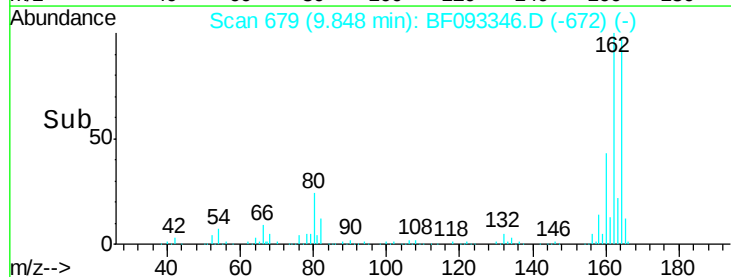
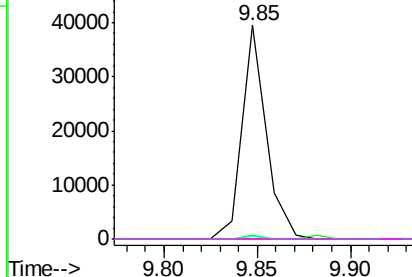


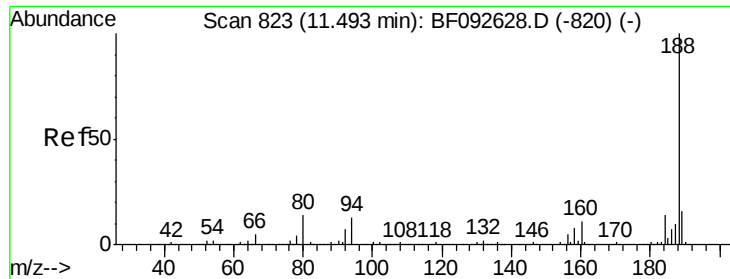
Abundance Ion 165.00 (164.70 to 165.70): E

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

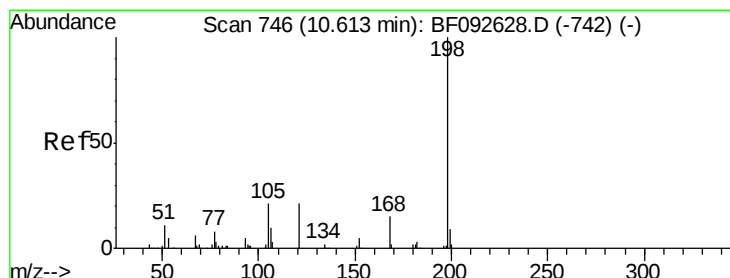
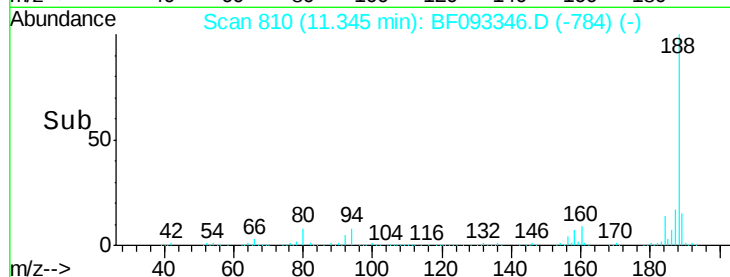
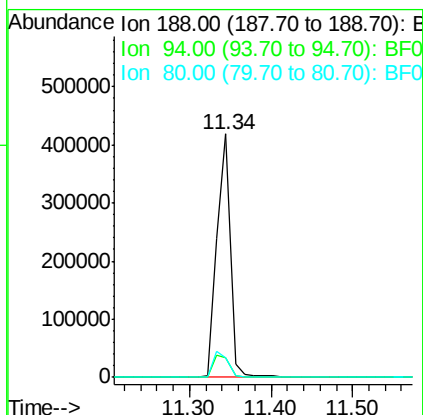
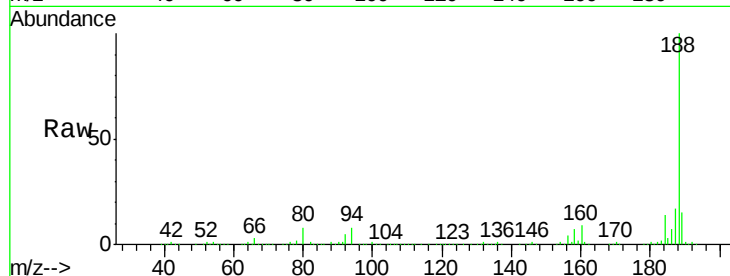




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF093346.D
Acq: 3 Mar 2017 2:56

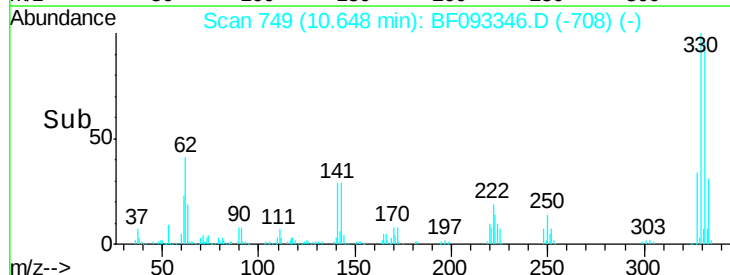
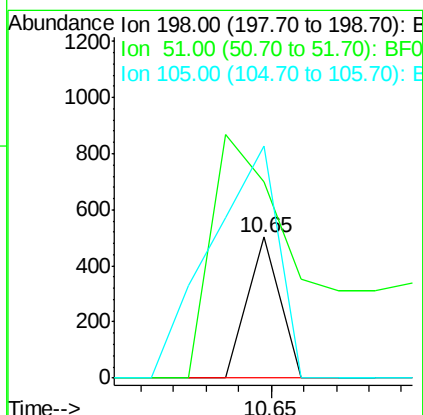
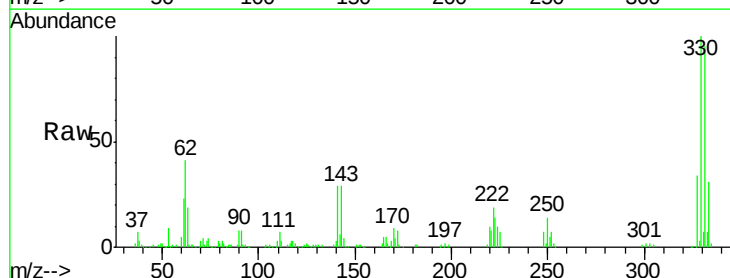
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-001-B

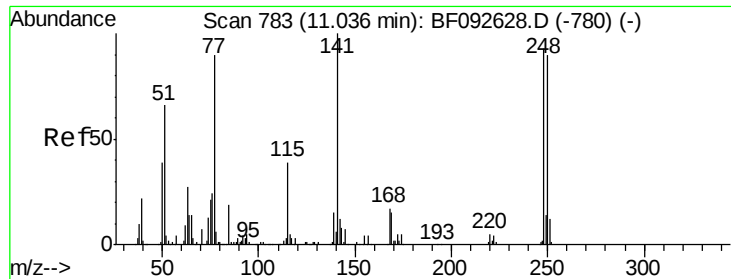
Tgt Ion:188 Resp: 476972
Ion Ratio Lower Upper
188 100
94 7.9 10.0 15.0#
80 8.2 11.2 16.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 2.78 ng
RT: 10.65 min Scan# 749
Delta R.T. 0.17 min
Lab File: BF093346.D
Acq: 3 Mar 2017 2:56

Tgt Ion:198 Resp: 344
Ion Ratio Lower Upper
198 100
51 139.2 6.7 46.7#
105 164.7 16.6 56.6#

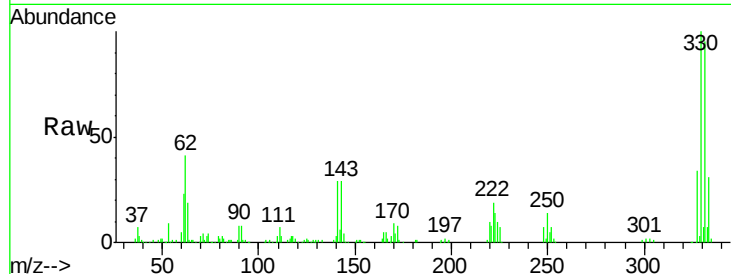




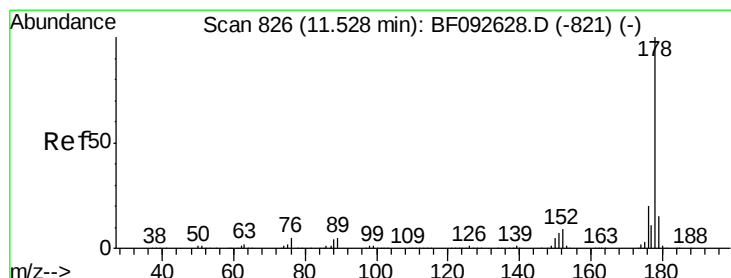
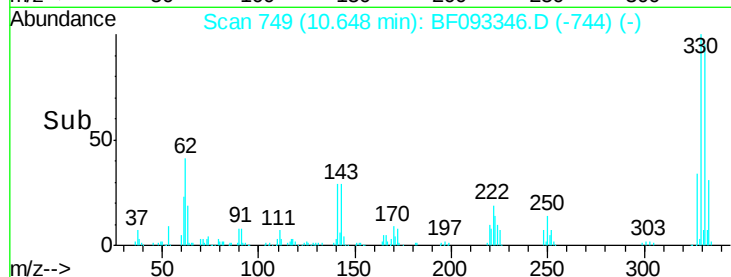
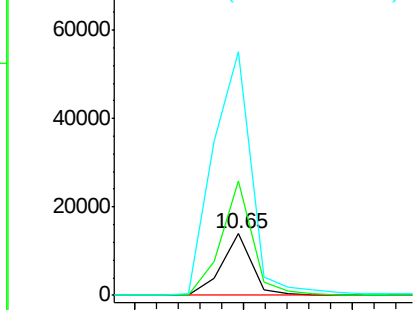
#66
 4-Bromophenyl-phenylether
 Concen: 2.71 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.24 min
 Lab File: BF093346.D
 Acq: 3 Mar 2017 2:56

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

Tgt Ion: 248 Resp: 13518
 Ion Ratio Lower Upper
 248 100
 250 184.7 76.9 115.3#
 141 394.0 68.2 102.4#

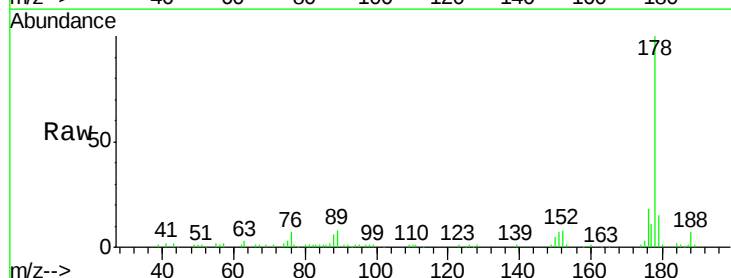


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

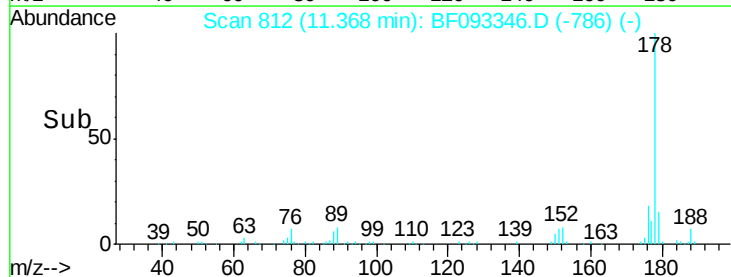
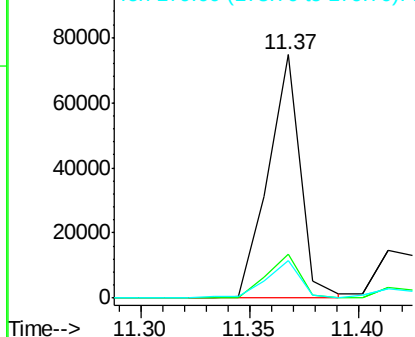


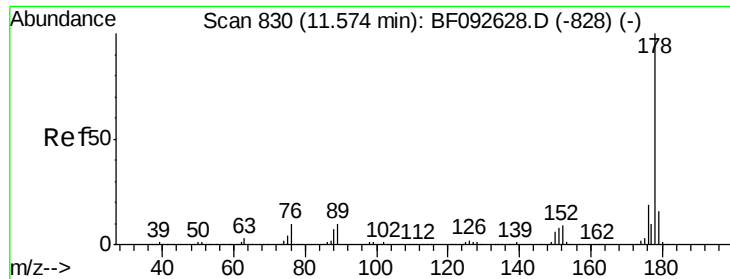
#70
 Phenanthrene
 Concen: 2.83 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF093346.D
 Acq: 3 Mar 2017 2:56

Tgt Ion: 178 Resp: 77422
 Ion Ratio Lower Upper
 178 100
 176 18.1 16.6 25.0
 179 15.3 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

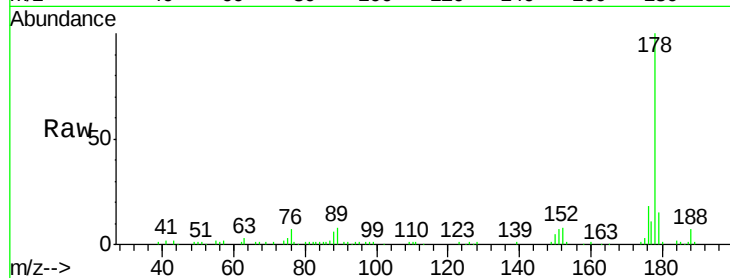




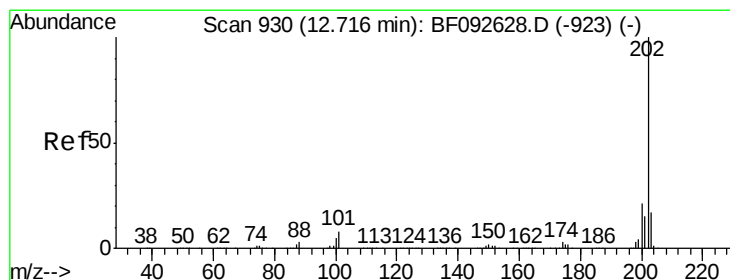
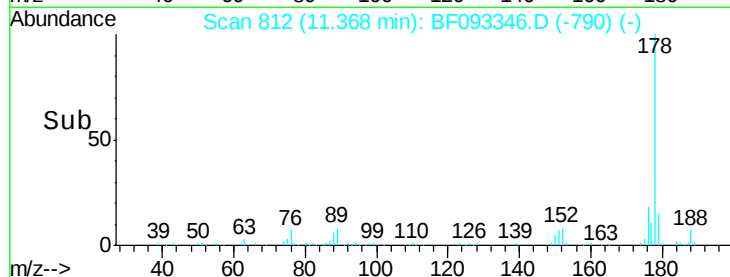
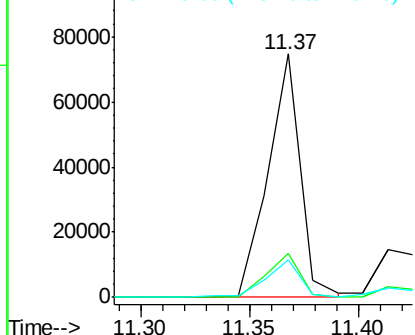
#71
 Anthracene
 Concen: 2.82 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.05 min
 Lab File: BF093346.D
 Acq: 3 Mar 2017 2:56

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

Tgt Ion:178 Resp: 77422
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.9 23.9
 179 15.3 13.2 19.8

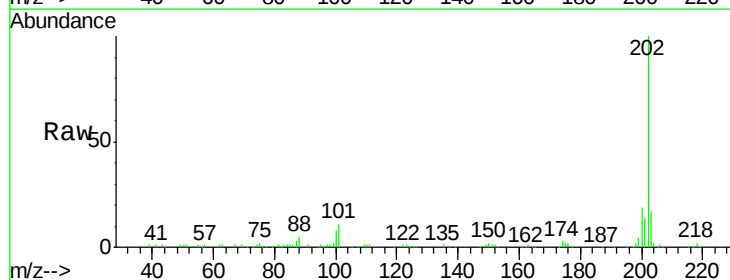


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

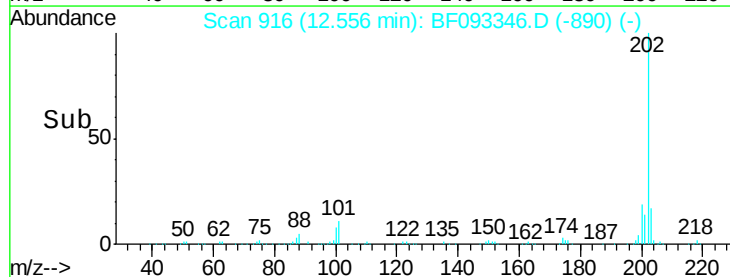
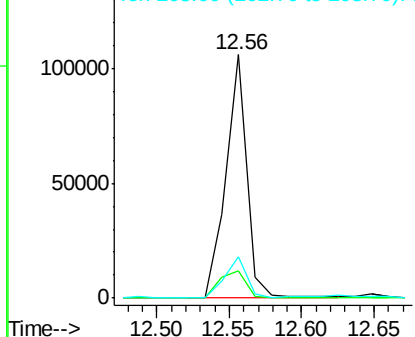


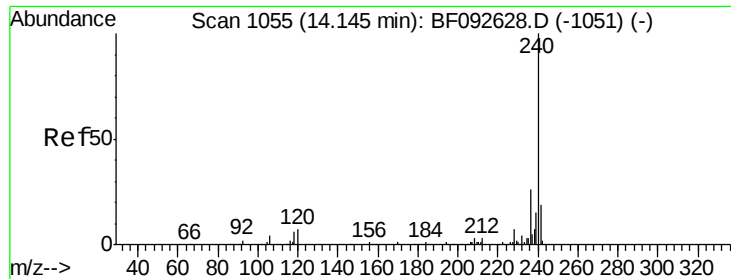
#74
 Fluoranthene
 Concen: 3.80 ng
 RT: 12.56 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: BF093346.D
 Acq: 3 Mar 2017 2:56

Tgt Ion:202 Resp: 107169
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 34.6
 203 17.1 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. -0.01 min

Lab File: BF093346.D

Acq: 3 Mar 2017 2:56

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-001-B

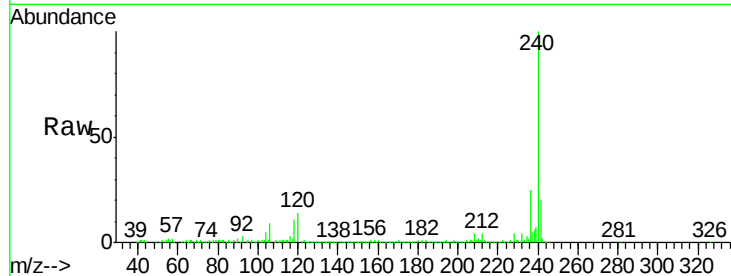
Tgt Ion:240 Resp: 313014

Ion Ratio Lower Upper

240 100

120 14.0 12.9 19.3

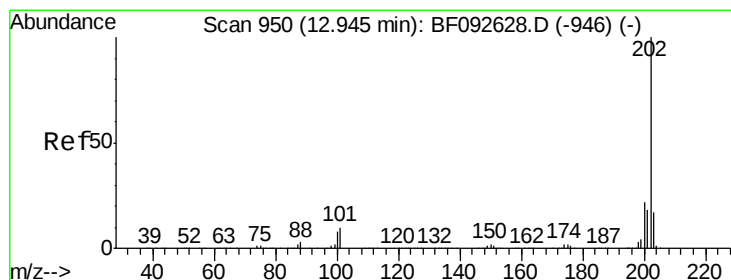
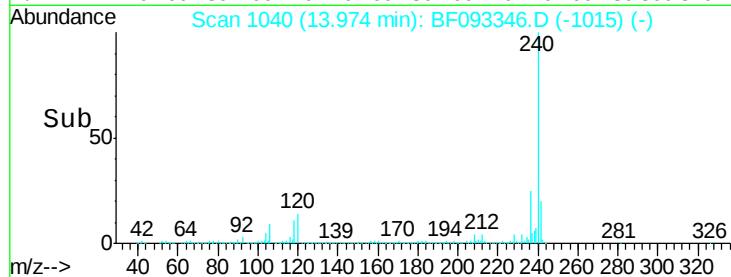
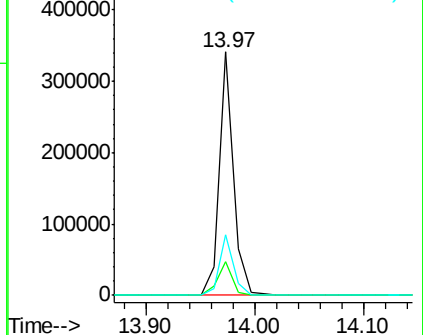
236 25.1 20.9 31.3



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: 4.07 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF093346.D

Acq: 3 Mar 2017 2:56

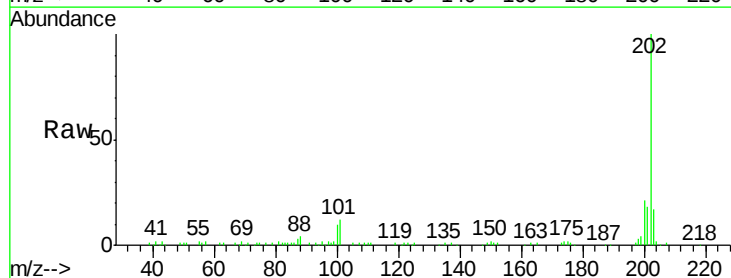
Tgt Ion:202 Resp: 95284

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

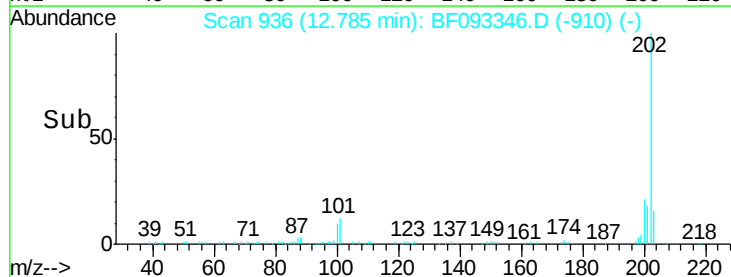
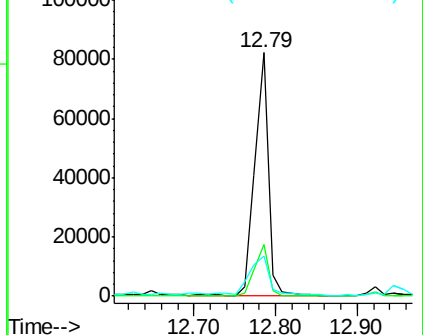
203 16.6 14.7 22.1

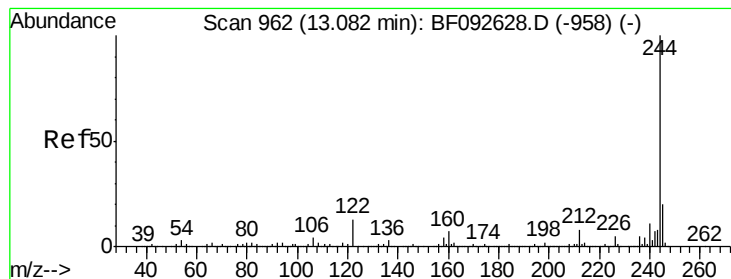


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.78 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF093346.D

Acq: 3 Mar 2017 2:56

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-001-B

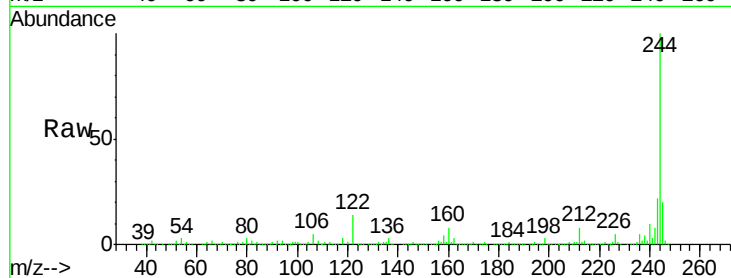
Tgt Ion:244 Resp: 756396

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

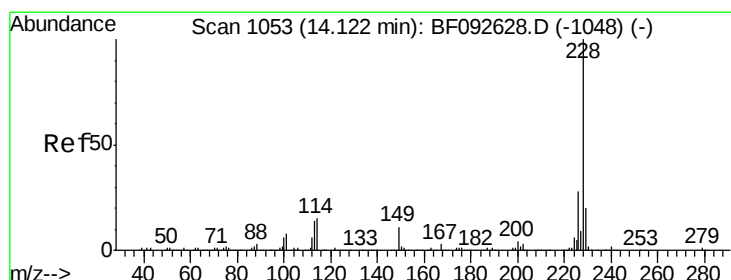
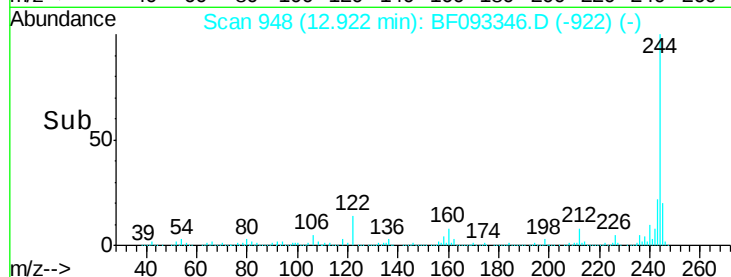
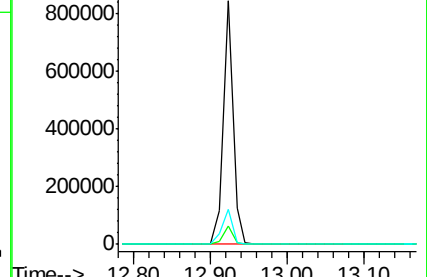
122 14.2 11.4 17.2



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: 2.42 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF093346.D

Acq: 3 Mar 2017 2:56

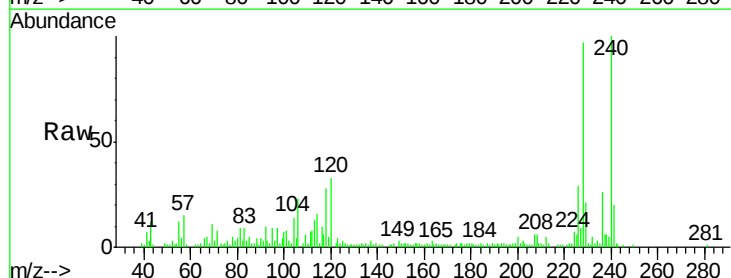
Tgt Ion:228 Resp: 46349

Ion Ratio Lower Upper

228 100

226 29.4 22.4 33.6

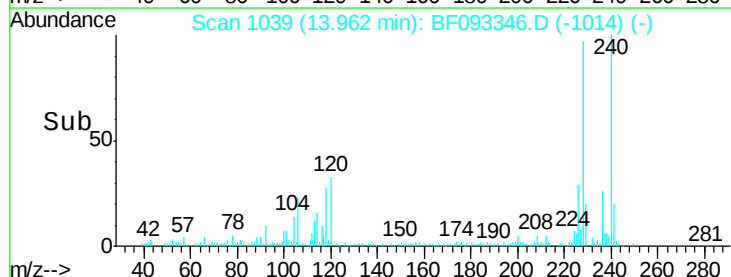
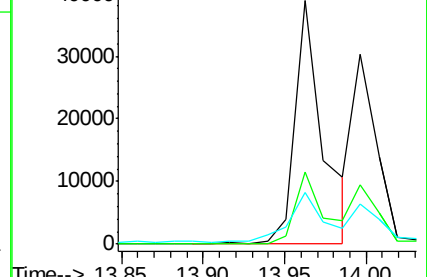
229 21.4 16.2 24.4

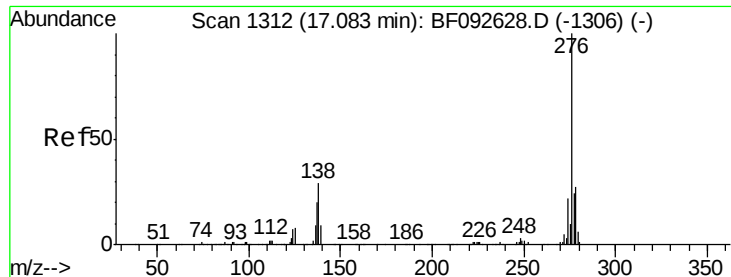


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.21 ng

RT: 16.80 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF093346.D

Acq: 3 Mar 2017 2:56

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-001-B

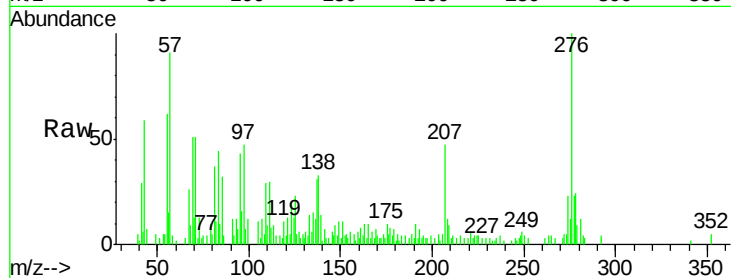
Tgt Ion:276 Resp: 30707

Ion Ratio Lower Upper

276 100

138 31.2 21.8 32.6

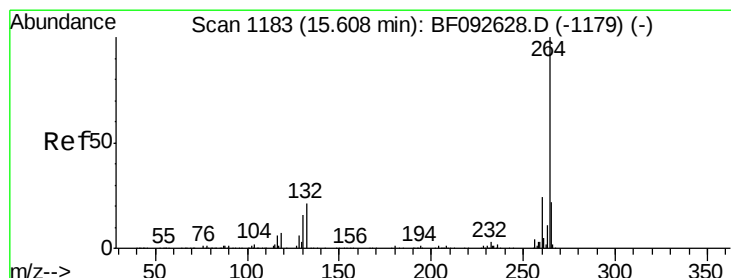
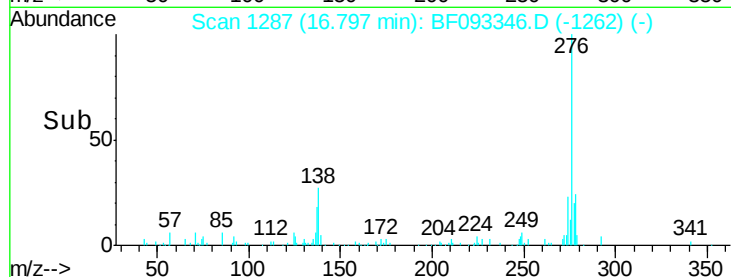
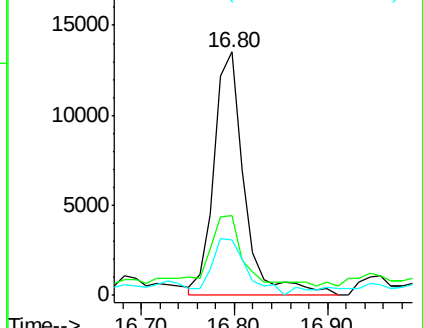
277 26.9 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.40 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BF093346.D

Acq: 3 Mar 2017 2:56

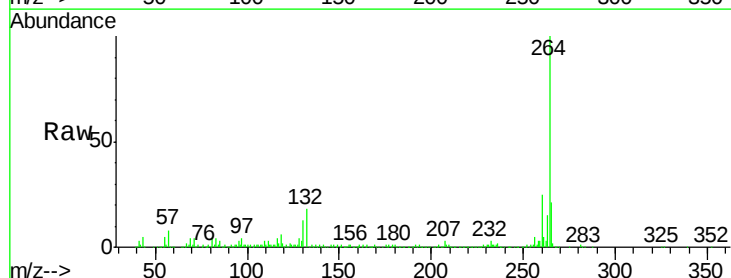
Tgt Ion:264 Resp: 292453

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

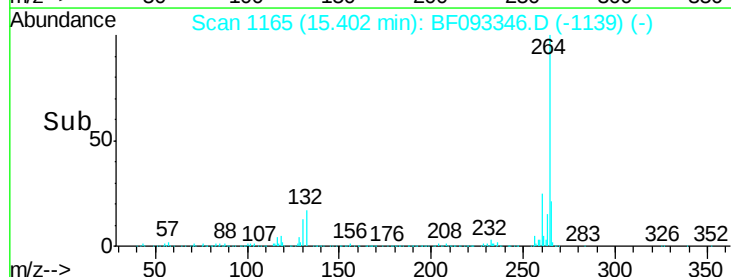
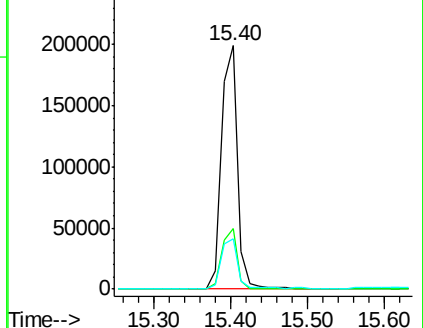
265 20.9 17.4 26.0

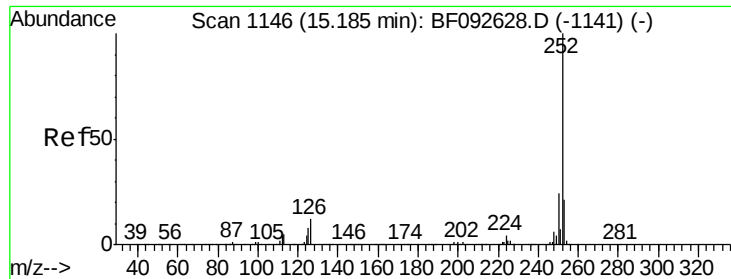


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

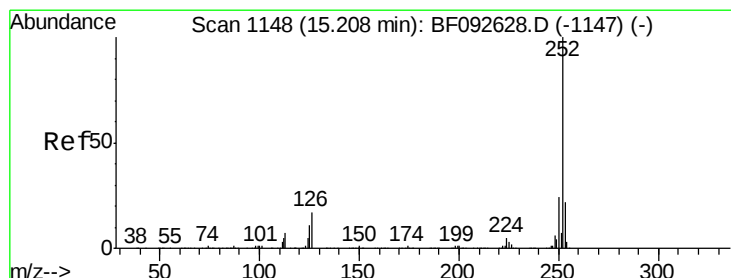
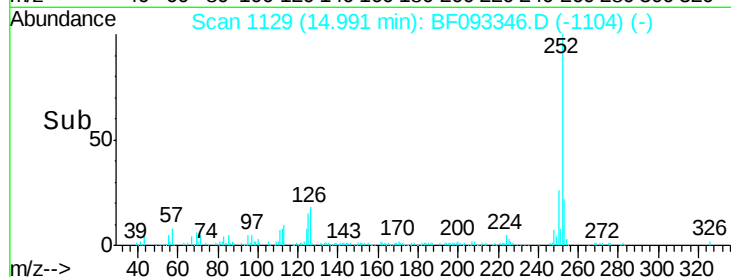
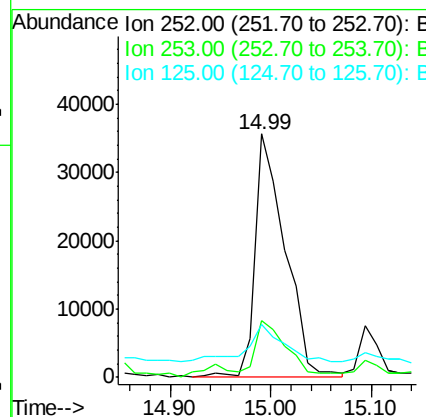
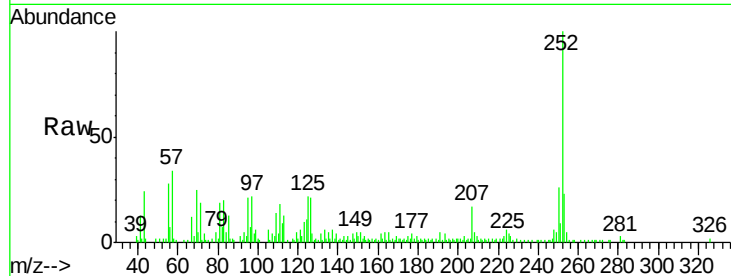




#87
Benzo(b)fluoranthene
Concen: 3.84 ng
RT: 14.99 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF093346.D
Acq: 3 Mar 2017 2:56

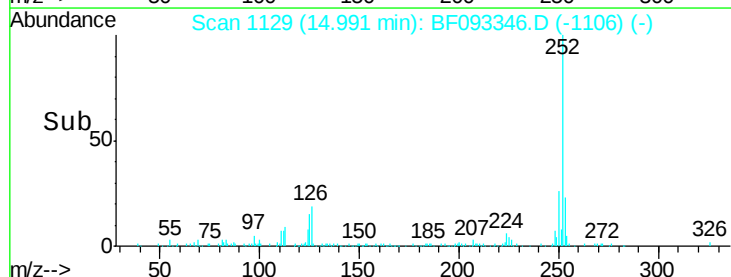
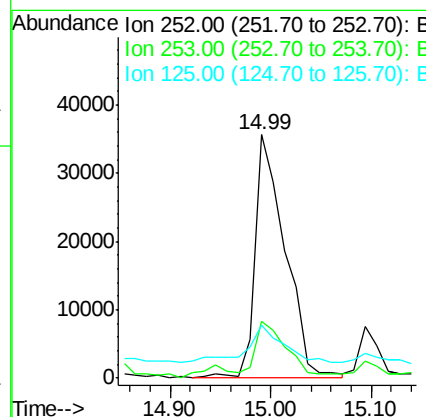
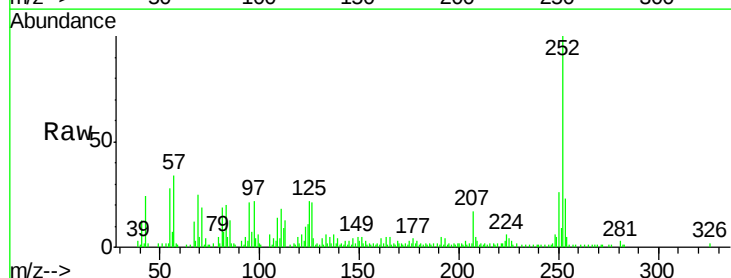
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-001-B

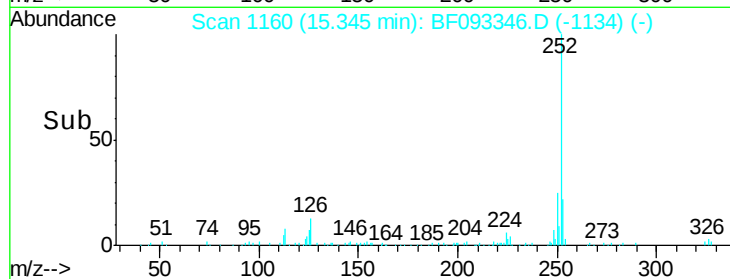
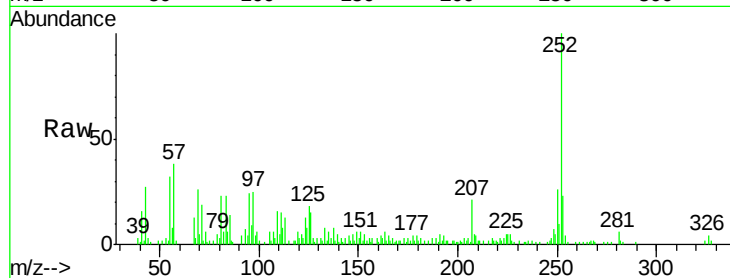
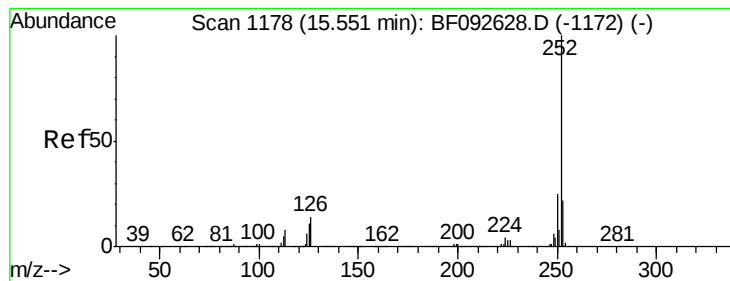
Tgt Ion:252 Resp: 73846
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.4
125 21.6 9.8 14.6#



#88
Benzo(k)fluoranthene
Concen: 4.44 ng
RT: 14.99 min Scan# 1129
Delta R.T. -0.03 min
Lab File: BF093346.D
Acq: 3 Mar 2017 2:56

Tgt Ion:252 Resp: 73846
Ion Ratio Lower Upper
252 100
253 23.3 18.5 27.7
125 21.6 8.9 13.3#





#89

Benzo(a)pyrene

Concen: 2.56 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BF093346.D

Acq: 3 Mar 2017 2:56

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-001-B

Tgt Ion: 252 Resp: 42677

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.2

125 17.6 10.0 15.0#

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

