

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
 Data File : BF094754.D
 Acq On : 1 May 2017 16:33
 Operator : SJ/MA
 Sample : I2927-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-003-B

Quant Time: May 02 02:58:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

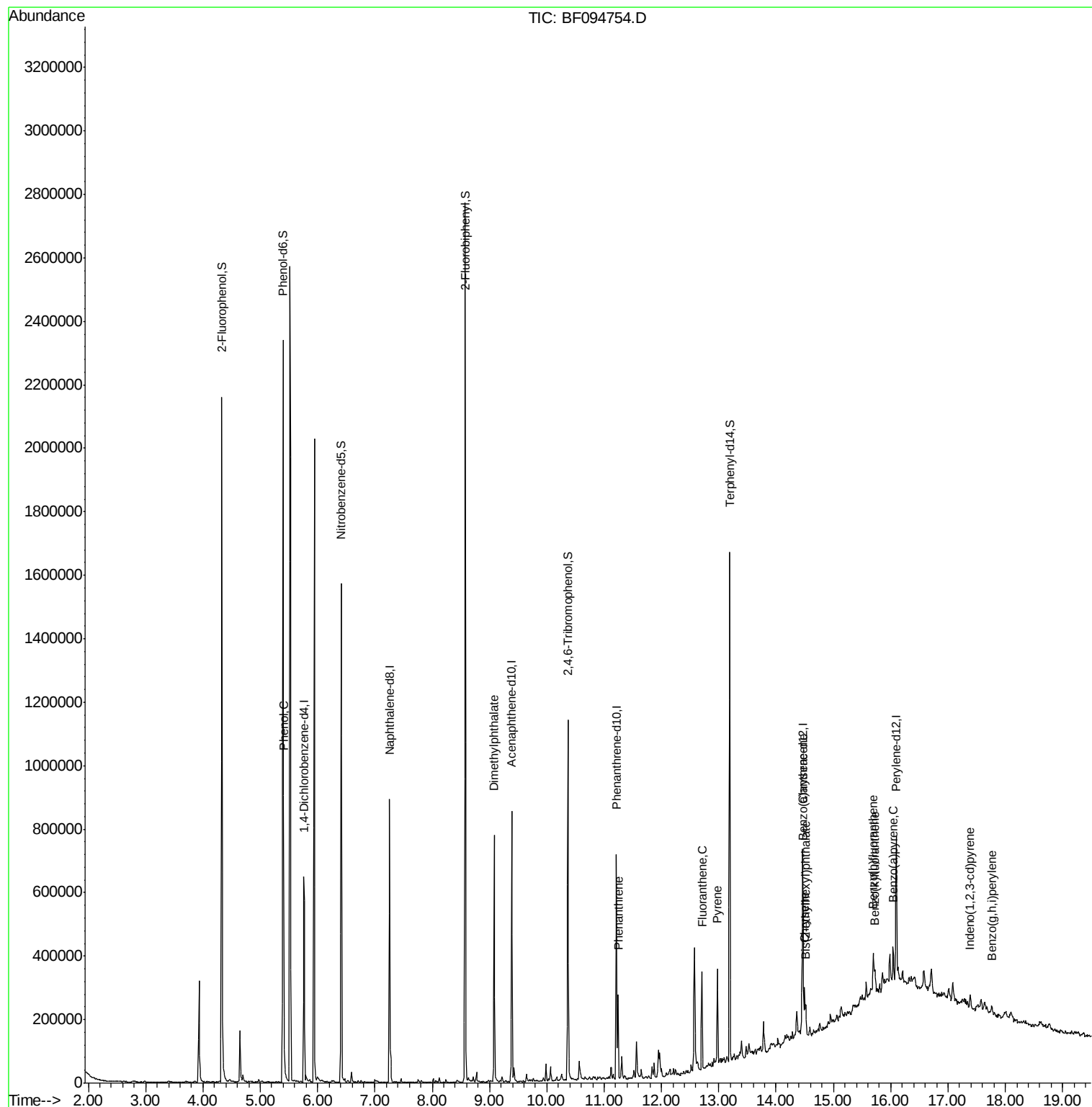
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	105718	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	402578	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	177420	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	268740	20.00	ng	0.00
75) Chrysene-d12	14.47	240	207634	20.00	ng	0.00
86) Perylene-d12	16.09	264	170907	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	716022	112.37	ng	0.03
7) Phenol-d6	5.40	99	880885	117.26	ng	0.00
23) Nitrobenzene-d5	6.41	82	550139	84.38	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	150213	108.24	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	919678	76.27	ng	0.00
78) Terphenyl-d14	13.19	244	553767	71.29	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.41	94	18642	2.02	ng	95
49) Dimethylphthalate	9.08	163	351570	26.59	ng	99
70) Phenanthrene	11.24	178	110612	7.31	ng	98
74) Fluoranthene	12.71	202	145207	9.26	ng	97
77) Pyrene	12.98	202	127358	8.78	ng	96
80) Benzo(a)anthracene	14.45	228	58456	4.84	ng	99
82) Chrysene	14.49	228	56049	5.08	ng	97
83) Bis(2-ethylhexyl)phthalate	14.51	149	29340	3.44	ng	98
85) Indeno(1,2,3-cd)pyrene	17.39	276	23561	2.25	ng	93
87) Benzo(b)fluoranthene	15.69	252	63817m	6.10	ng	
88) Benzo(k)fluoranthene	15.72	252	22896m	2.31	ng	
89) Benzo(a)pyrene	16.04	252	43730	4.50	ng	# 90
91) Benzo(a,h,i)perylene	17.77	276	23373	2.84	ng	# 94

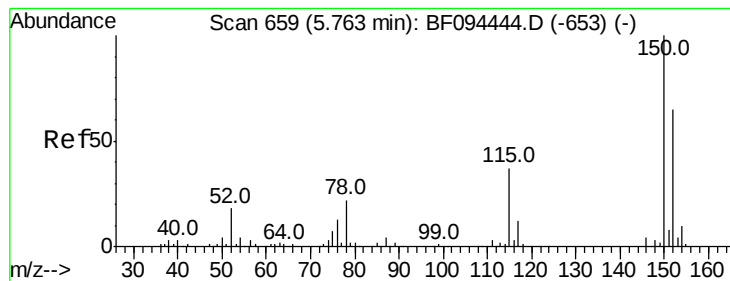
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.76 min Scan# 650

Delta R.T. -0.00 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-003-B

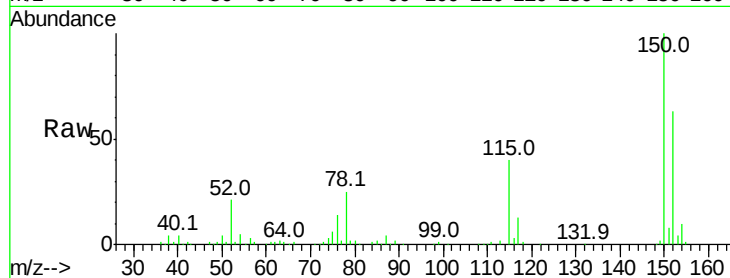
Tot Ion:152 Resp: 105718

Ion Ratio Lower Upper

152 100

150 157.7 126.2 189.2

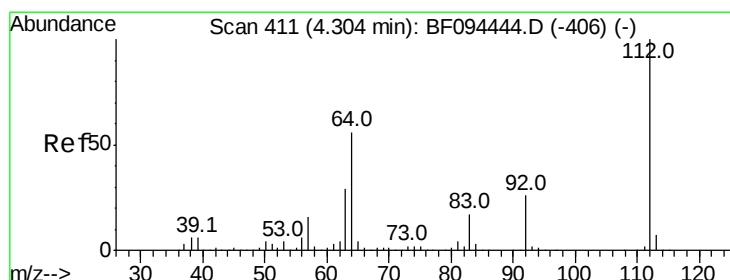
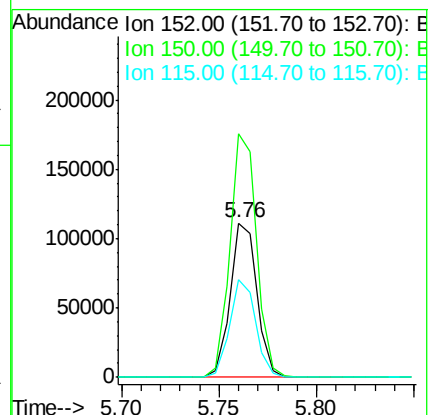
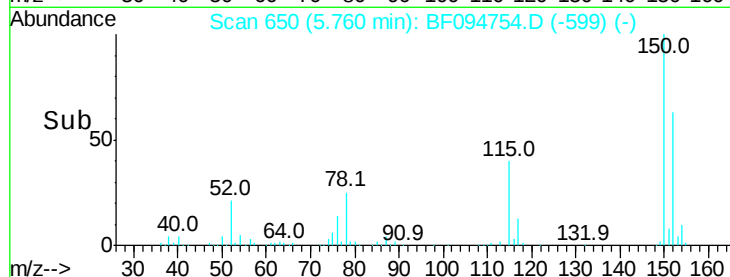
115 63.3 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 112.37 ng

RT: 4.33 min Scan# 407

Delta R.T. 0.03 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

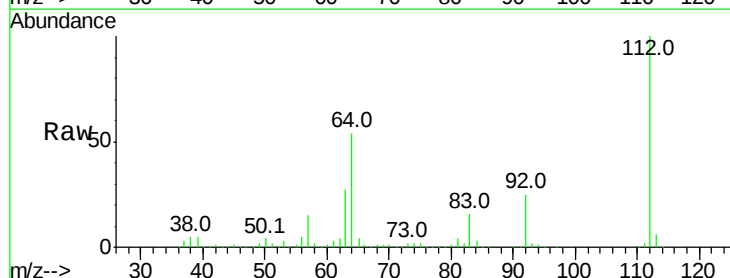
Tgt Ion:112 Resp: 716022

Ion Ratio Lower Upper

112 100

64 54.3 46.0 69.0

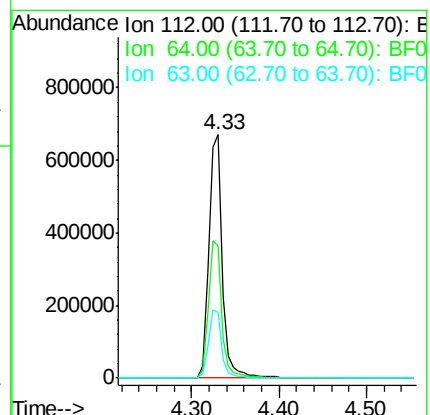
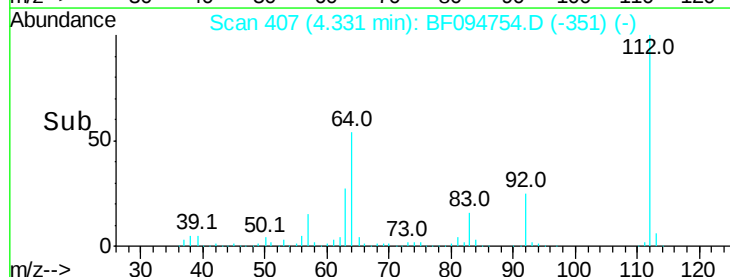
63 26.8 23.4 35.0

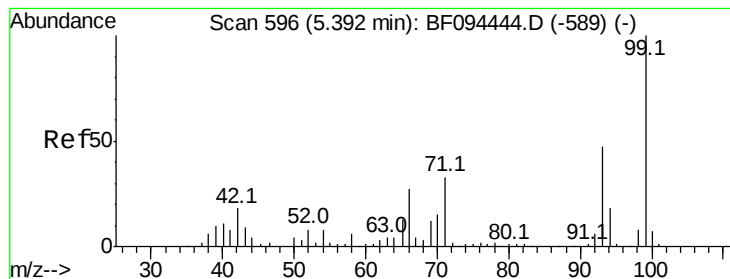


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.26 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-003-B

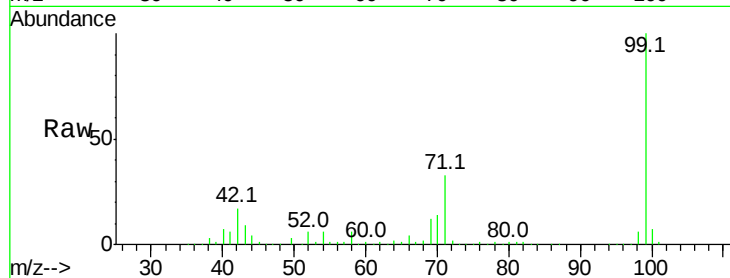
Tot Ion: 99 Resp: 880885

Ion Ratio Lower Upper

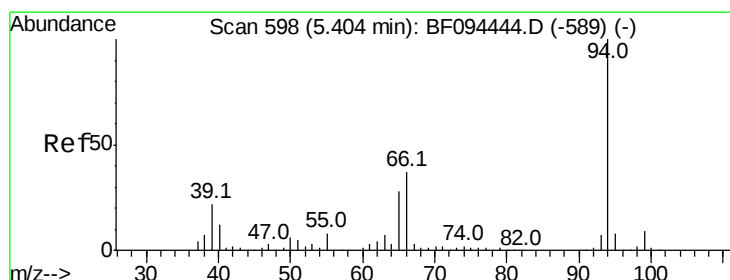
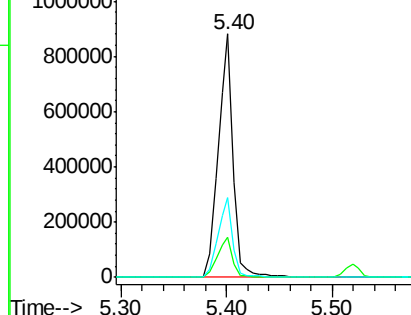
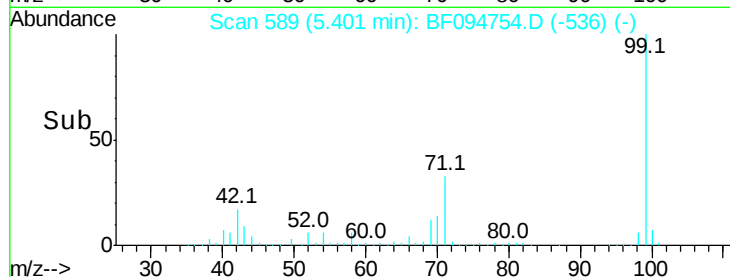
99 100

42 16.5 13.5 20.3

71 32.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.02 ng

RT: 5.41 min Scan# 591

Delta R.T. 0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

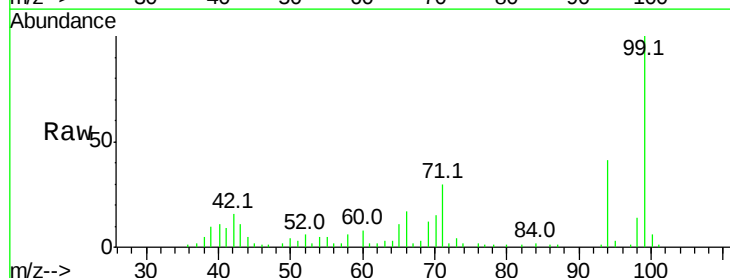
Tgt Ion: 94 Resp: 18642

Ion Ratio Lower Upper

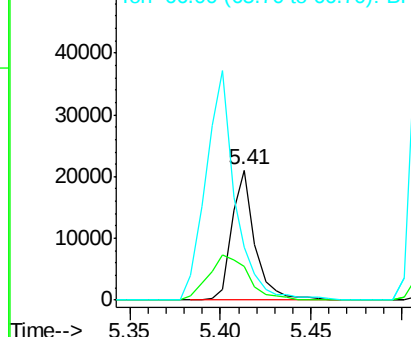
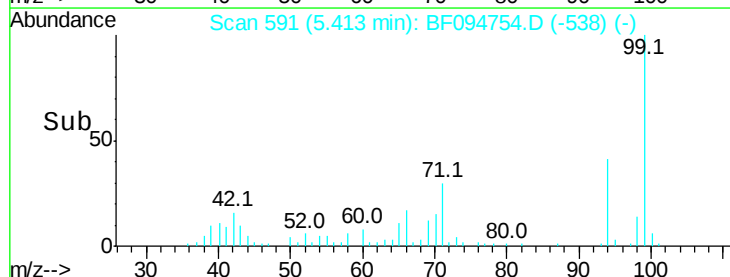
94 100

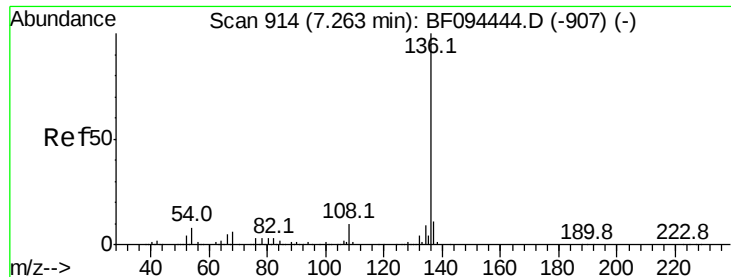
65 26.4 9.9 49.9

66 40.9 23.1 63.1



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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-003-B

Tot Ion:136 Resp: 402578

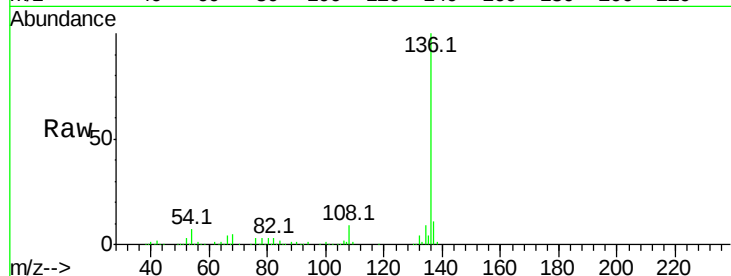
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.8 4.9 7.3

68 5.1 4.1 6.1

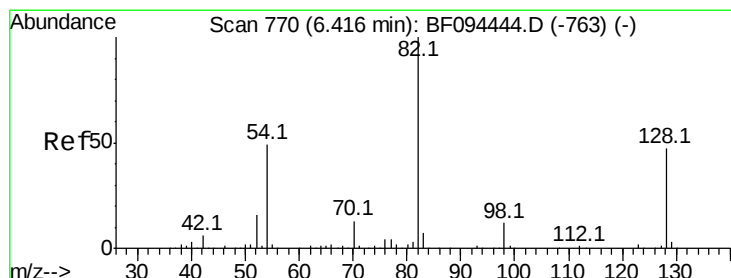
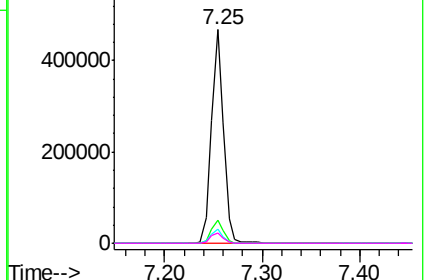
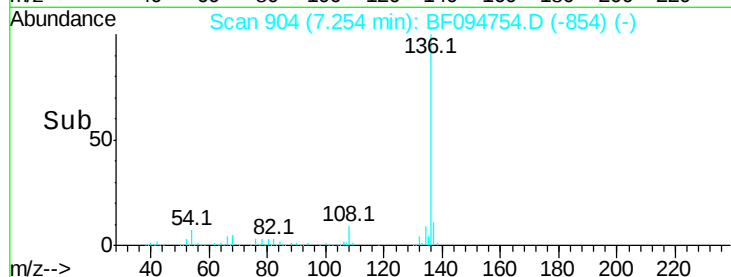


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 84.38 ng

RT: 6.41 min Scan# 761

Delta R.T. -0.00 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

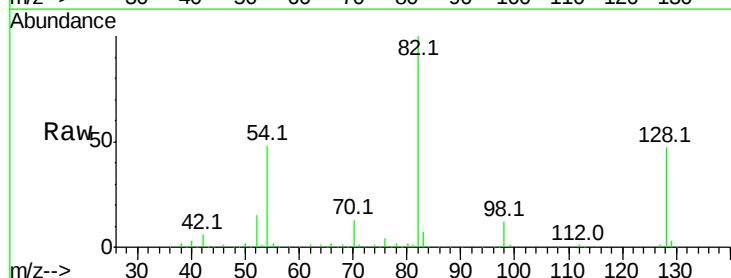
Tgt Ion: 82 Resp: 550139

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

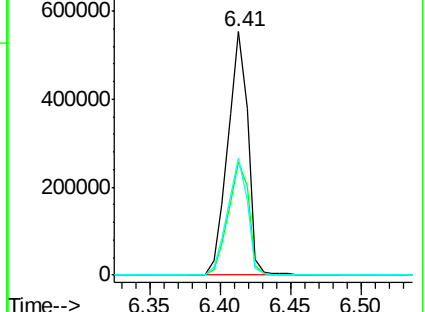
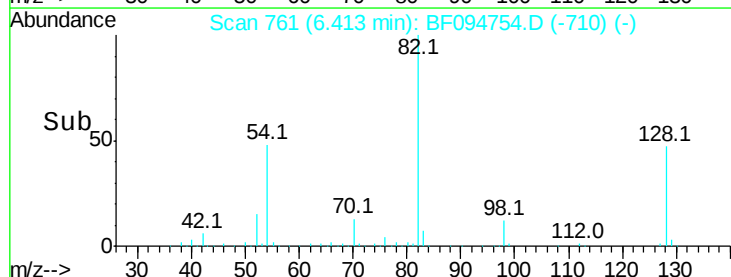
54 48.1 42.2 63.2

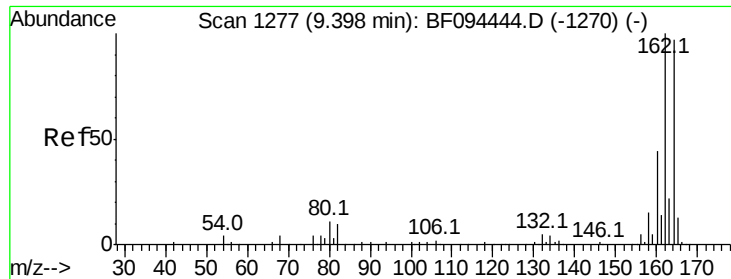


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.39 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-003-B

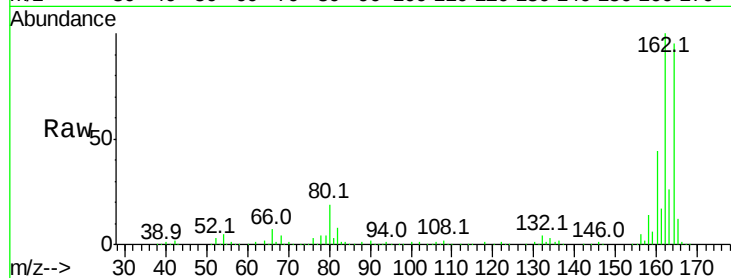
Tot Ion:164 Resp: 177420

Ion Ratio Lower Upper

164 100

162 105.2 82.6 123.8

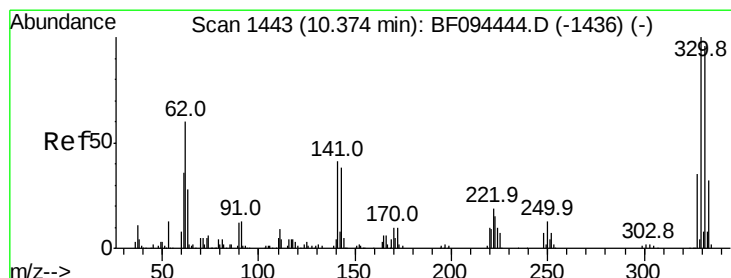
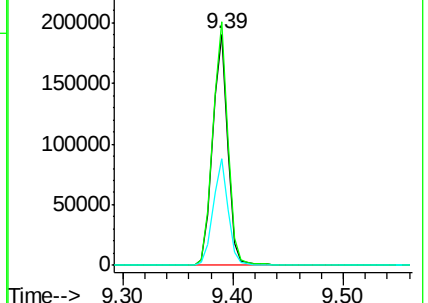
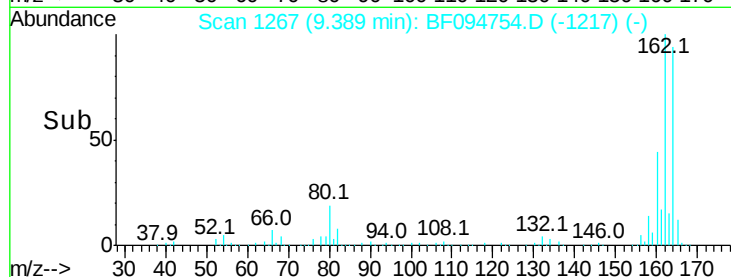
160 45.9 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 108.24 ng

RT: 10.37 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

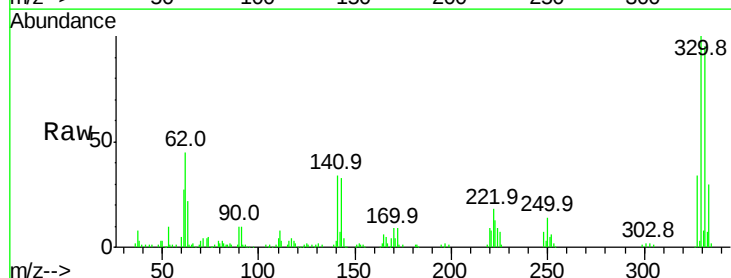
Tgt Ion:330 Resp: 150213

Ion Ratio Lower Upper

330 100

332 95.4 76.6 115.0

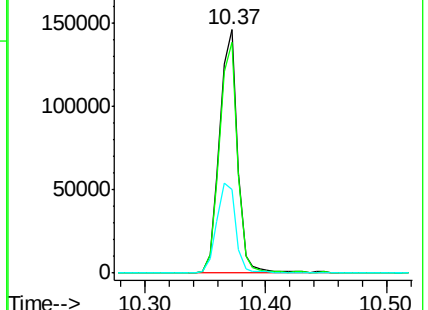
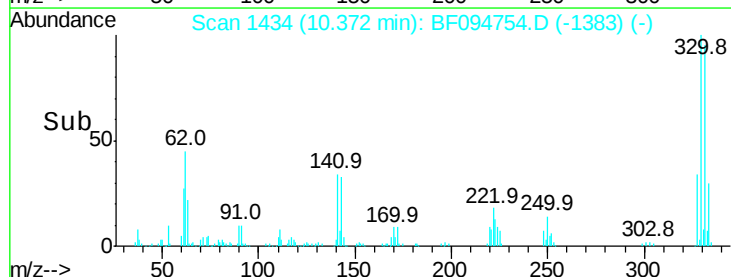
141 39.3 31.4 47.2

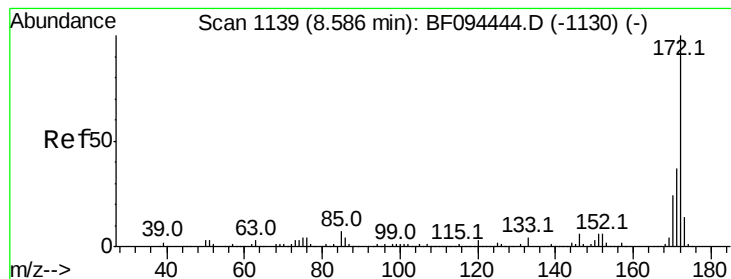


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 76.27 ng

RT: 8.58 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

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ClientSampleId :

FK-GF-03-003-B

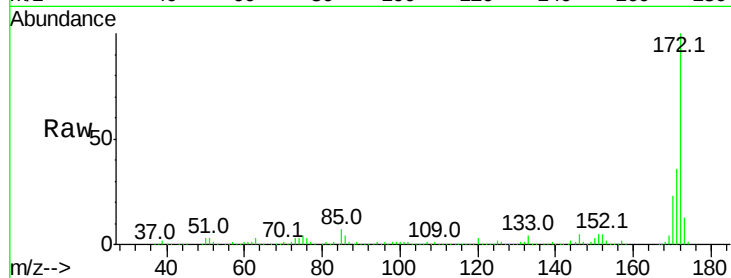
Tot Ion:172 Resp: 919678

Ion Ratio Lower Upper

172 100

171 36.3 29.6 44.4

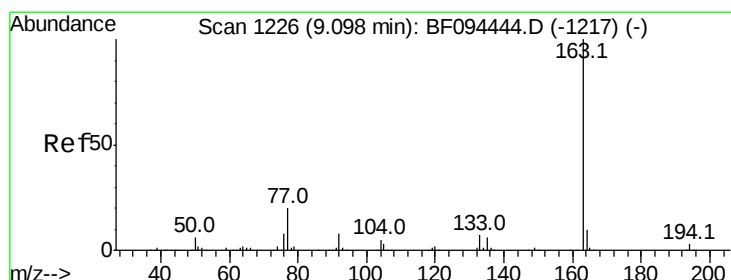
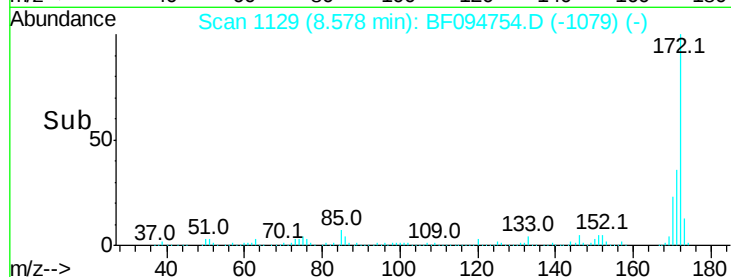
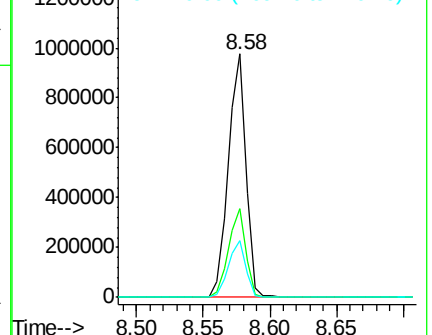
170 23.5 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 26.59 ng

RT: 9.08 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

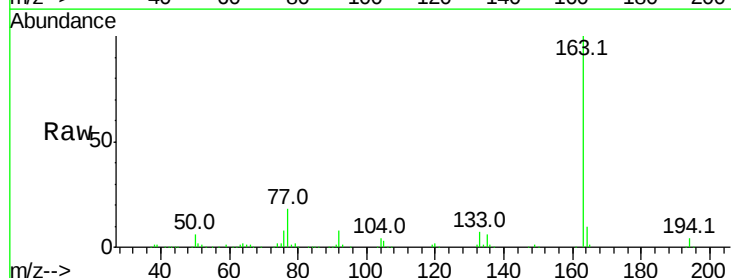
Tgt Ion:163 Resp: 351570

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

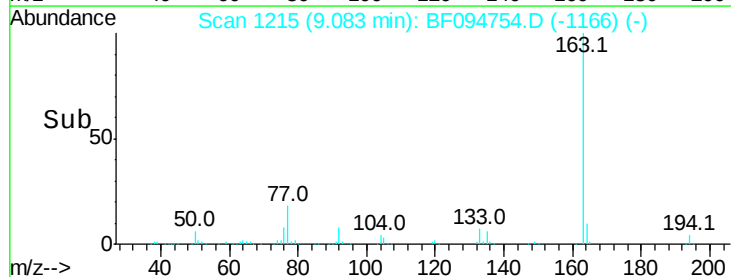
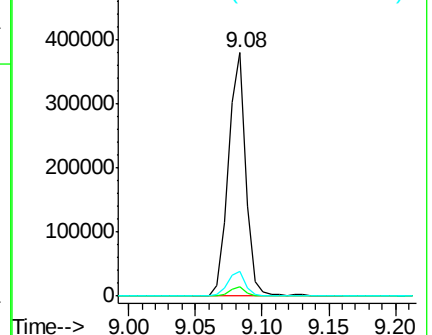
164 10.3 8.4 12.6

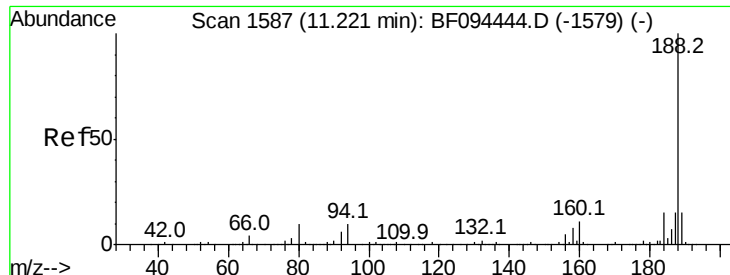


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

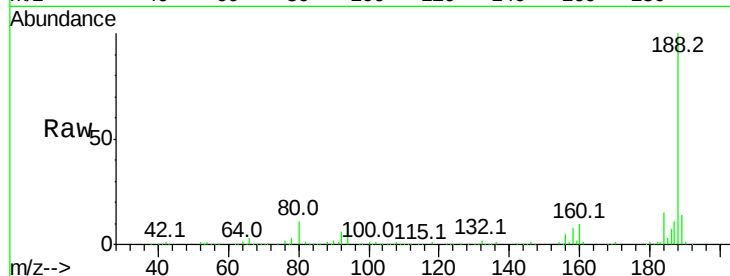




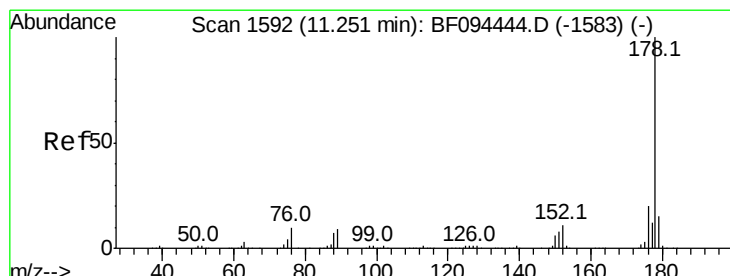
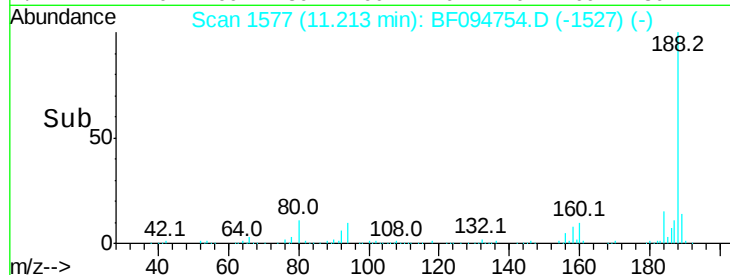
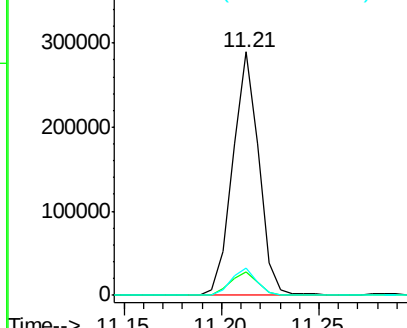
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF094754.D
Acq: 1 May 2017 16:33

Instrument :
BNA_F
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FK-GF-03-003-B

Tot Ion:188 Resp: 268740
Ion Ratio Lower Upper
188 100
94 9.7 9.4 14.2
80 11.3 10.2 15.2

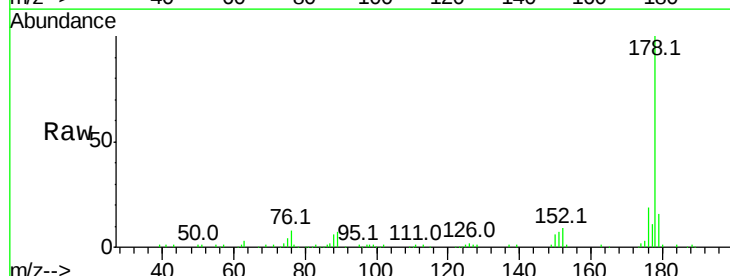


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

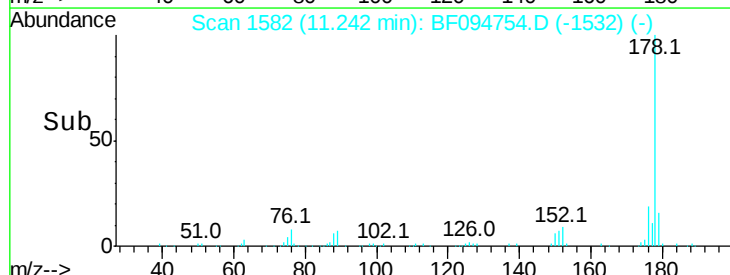
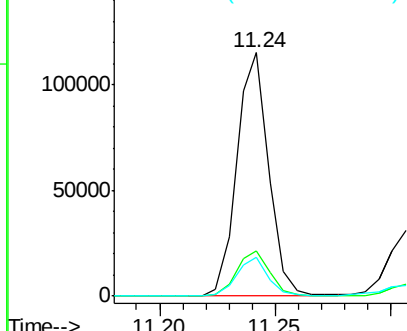


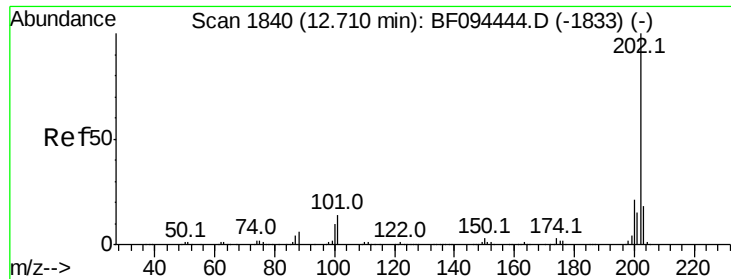
#70
Phenanthrene
Concen: 7.31 ng
RT: 11.24 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF094754.D
Acq: 1 May 2017 16:33

Tgt Ion:178 Resp: 110612
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.4
179 15.7 12.6 19.0



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: 9.26 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-003-B

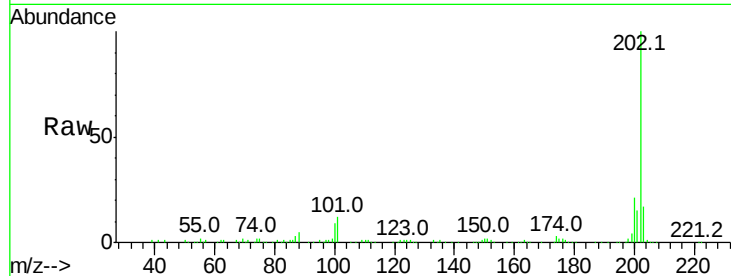
Tot Ion:202 Resp: 145207

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.2

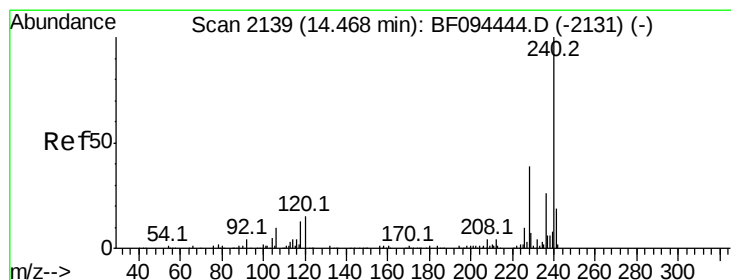
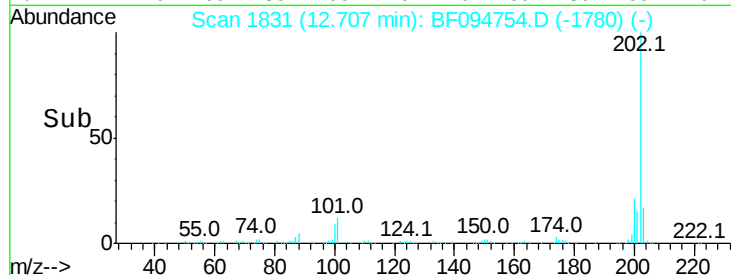
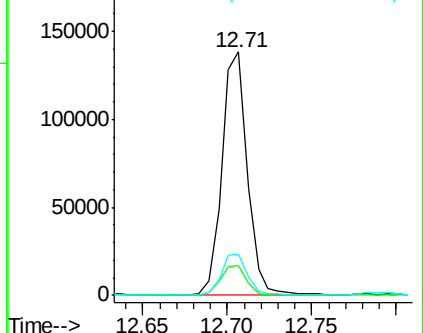
203 16.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

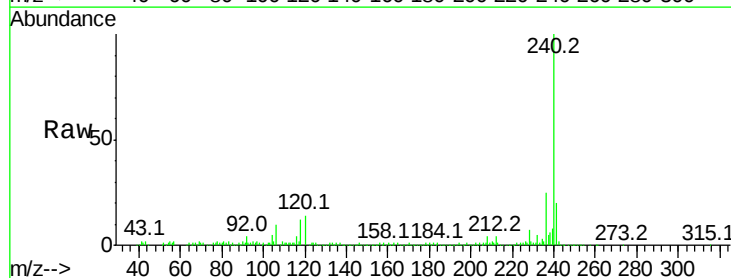
Tgt Ion:240 Resp: 207634

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

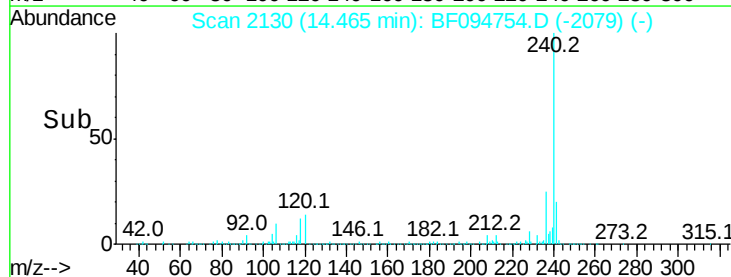
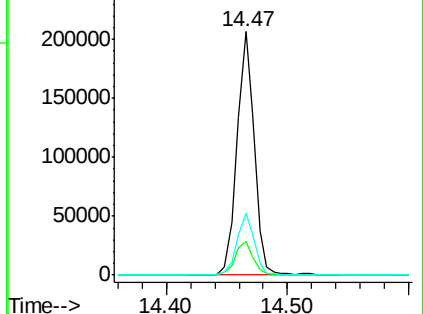
236 25.4 20.5 30.7

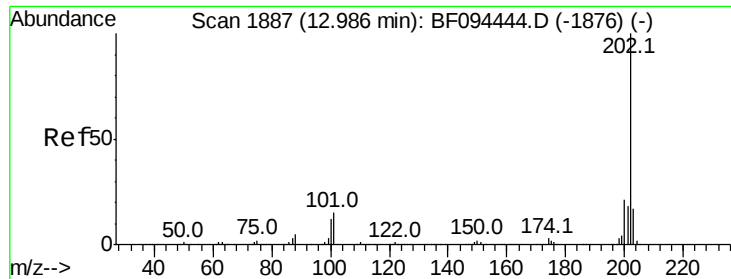


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

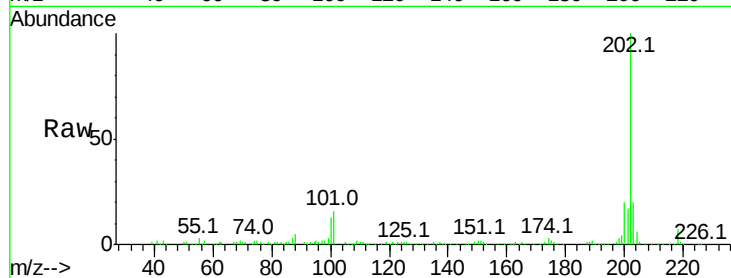




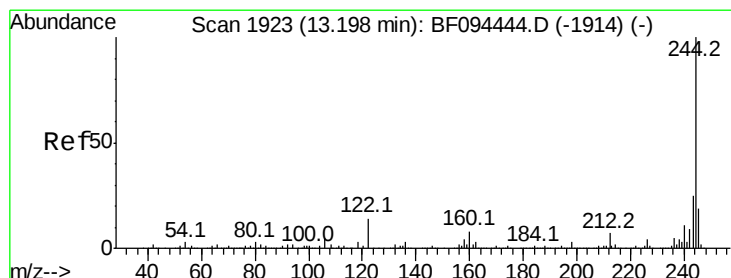
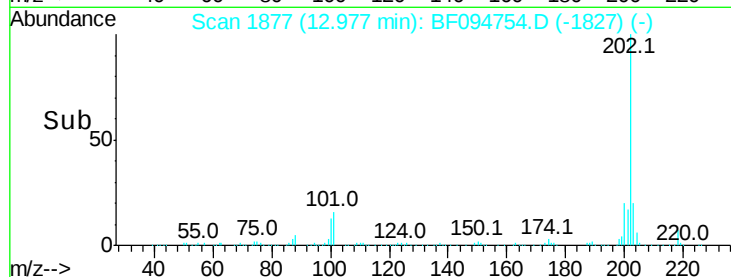
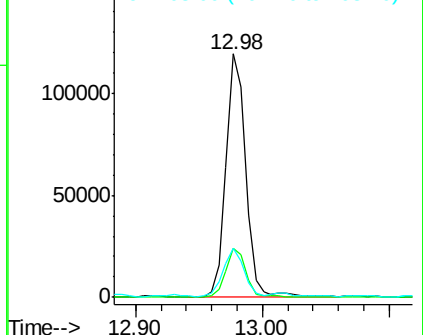
#77
Pvrene
Concen: 8.78 ng
RT: 12.98 min Scan# 1877
Delta R.T. -0.01 min
Lab File: BF094754.D
Acq: 1 May 2017 16:33

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-003-B

Tot Ion:202 Resp: 127358
Ion Ratio Lower Upper
202 100
200 20.1 17.6 26.4
203 19.9 14.4 21.6

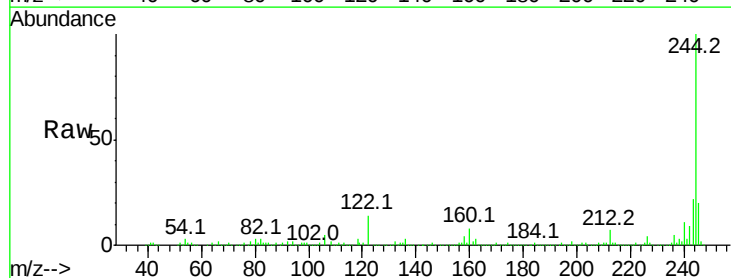


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

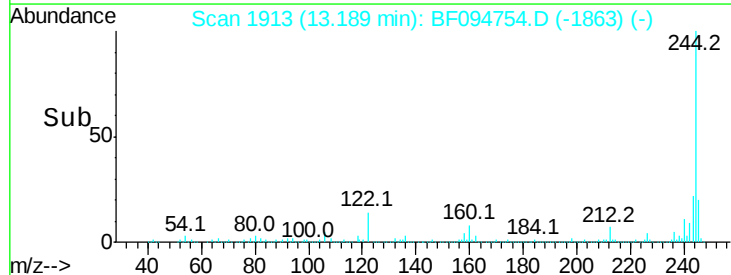
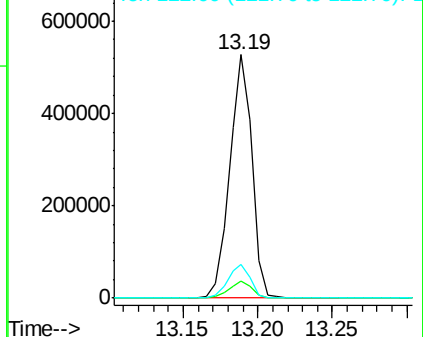


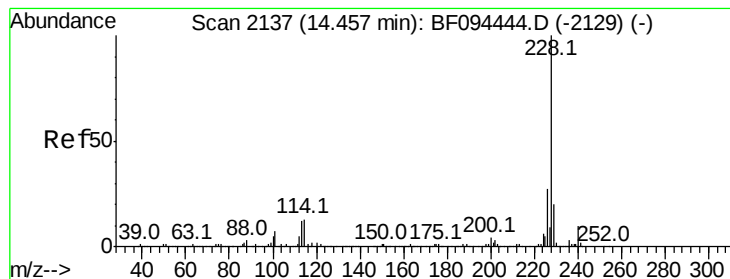
#78
Terphenyl-d14
Concen: 71.29 ng
RT: 13.19 min Scan# 1913
Delta R.T. -0.01 min
Lab File: BF094754.D
Acq: 1 May 2017 16:33

Tgt Ion:244 Resp: 553767
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 13.9 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.84 ng

RT: 14.45 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-003-B

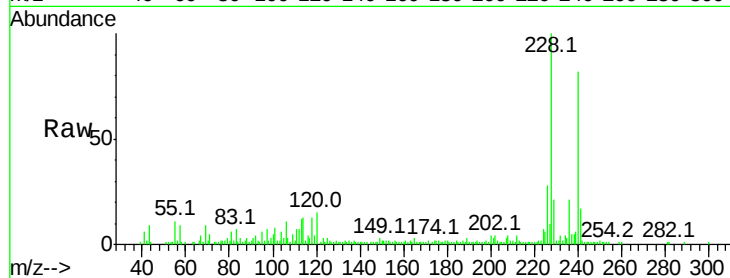
Tot Ion:228 Resp: 58456

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

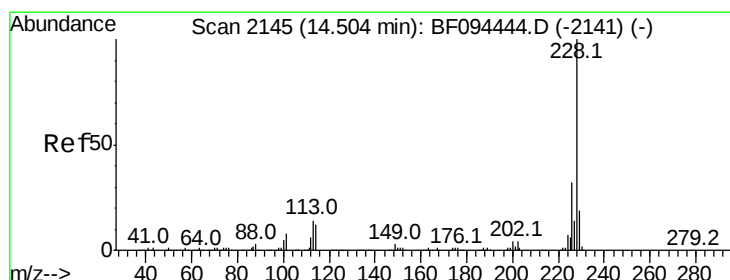
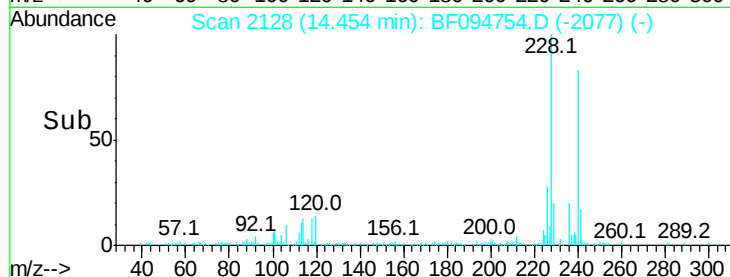
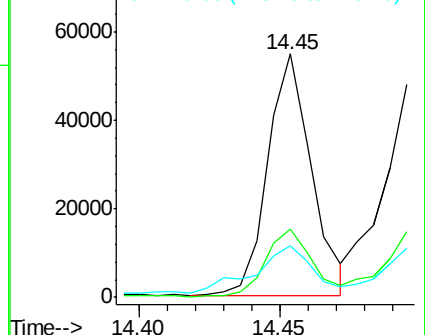
229 21.1 16.3 24.5



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: 5.08 ng

RT: 14.49 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

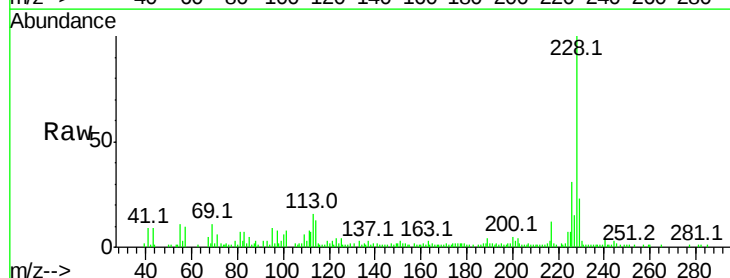
Tgt Ion:228 Resp: 56049

Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

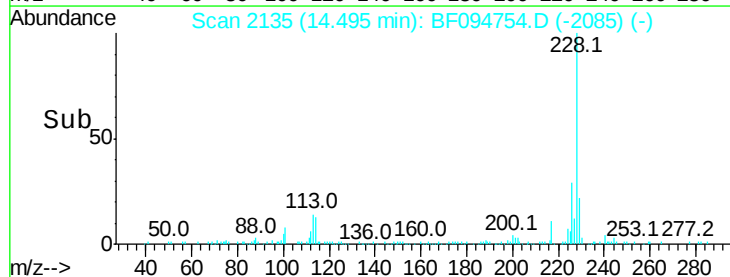
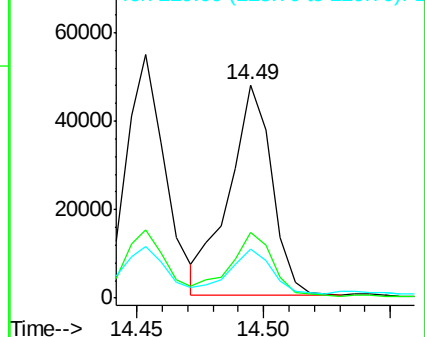
229 22.7 15.8 23.6

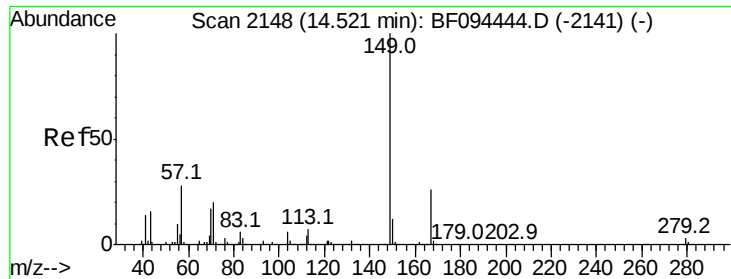


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

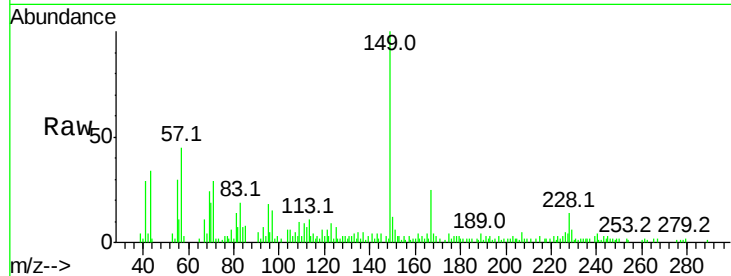




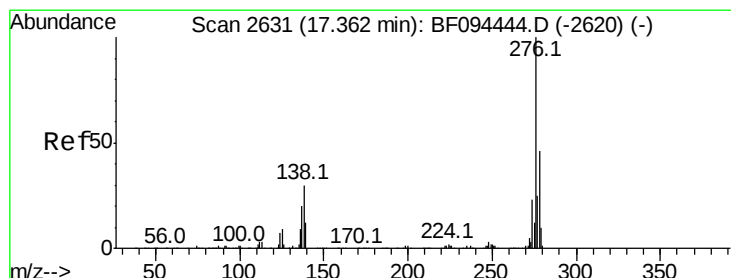
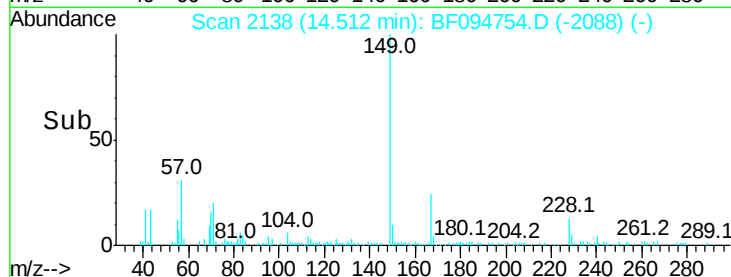
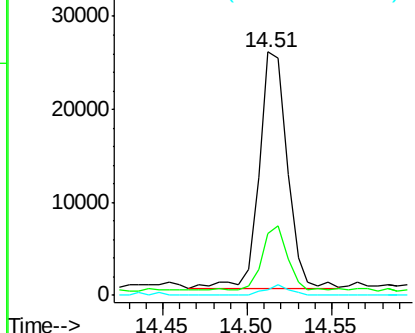
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.44 ng
 RT: 14.51 min Scan# 2138
 Delta R.T. -0.01 min
 Lab File: BF094754.D
 Acq: 1 May 2017 16:33

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-003-B

Tot Ion:149 Resp: 29340
 Ion Ratio Lower Upper
 149 100
 167 25.2 21.0 31.4
 279 2.2 1.9 2.9

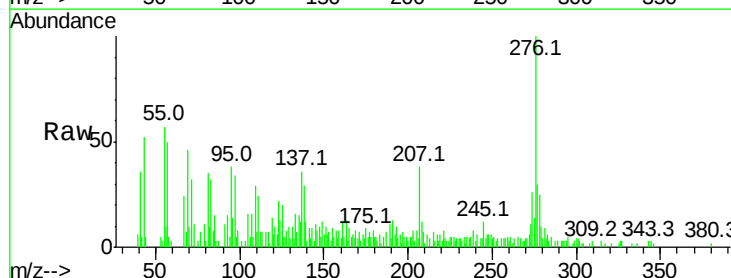


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

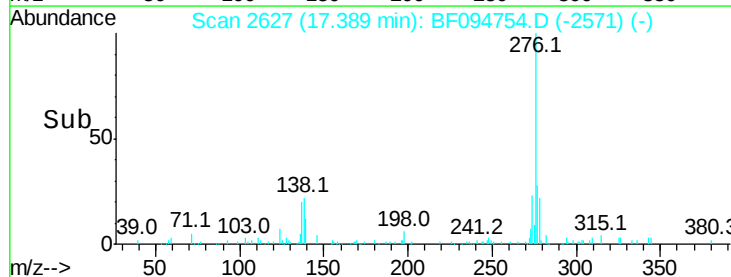
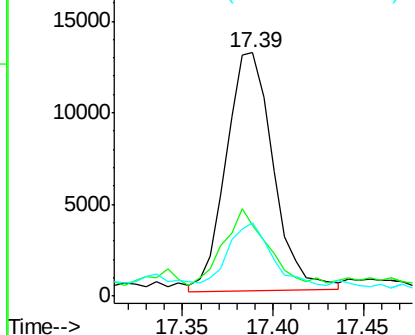


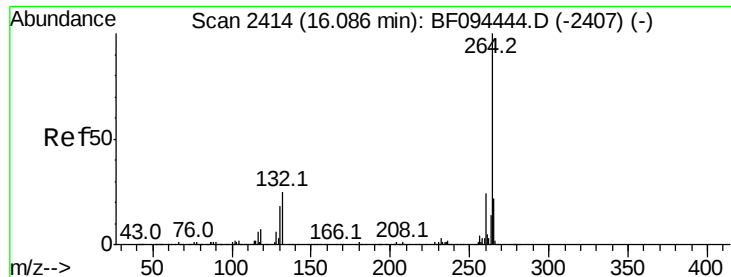
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.25 ng
 RT: 17.39 min Scan# 2627
 Delta R.T. 0.03 min
 Lab File: BF094754.D
 Acq: 1 May 2017 16:33

Tgt Ion:276 Resp: 23561
 Ion Ratio Lower Upper
 276 100
 138 29.4 27.8 41.6
 277 23.5 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



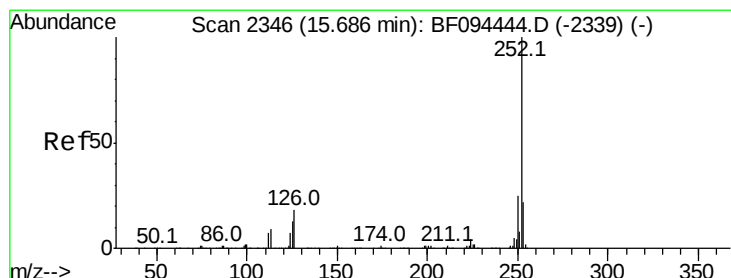
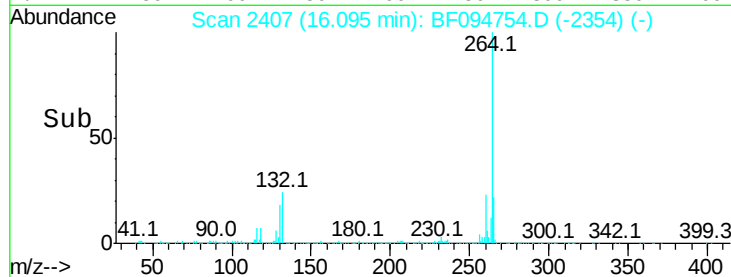
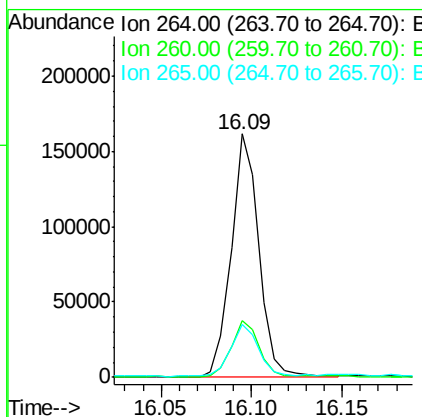
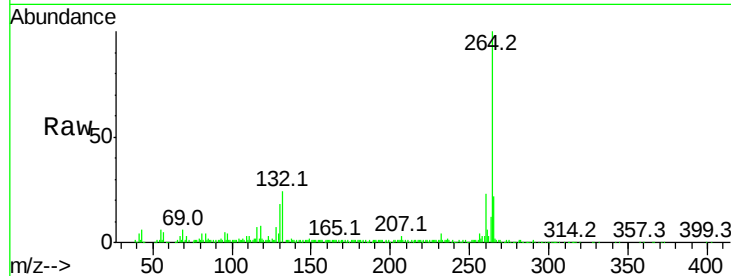


#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2407
Delta R.T. 0.01 min
Lab File: BF094754.D
Acq: 1 May 2017 16:33

Instrument :
BNA_F
ClientSampled :
FK-GF-03-003-B

Tot Ion:264 Resp: 170907

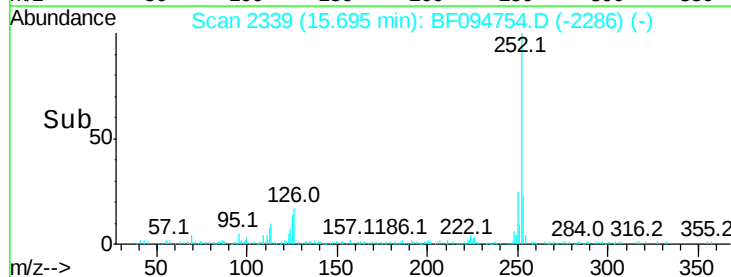
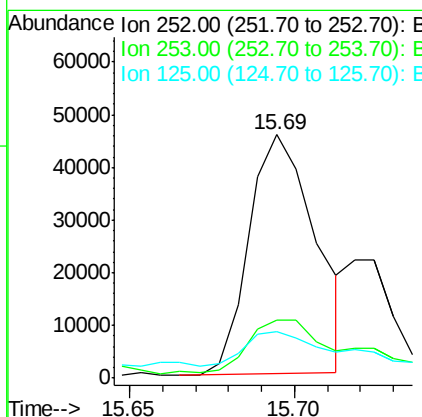
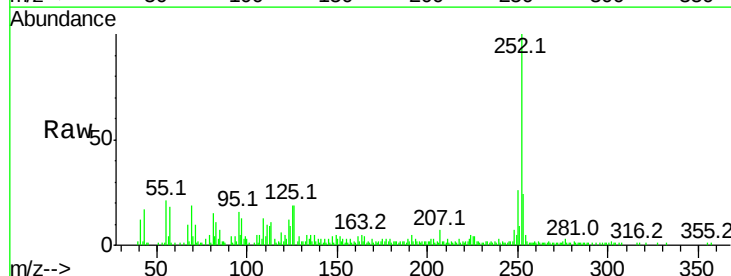
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	21.9	17.2	25.8

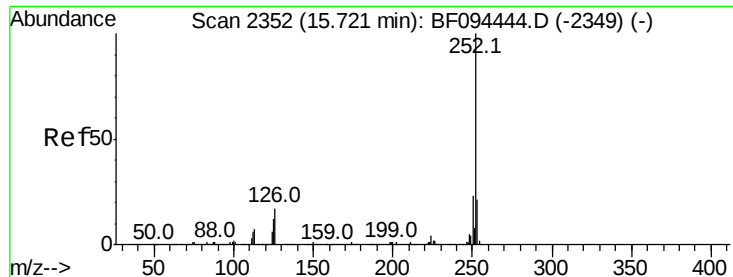


#87
Benzo(b)fluoranthene
Concen: 6.10 ng m
RT: 15.69 min Scan# 2339
Delta R.T. 0.01 min
Lab File: BF094754.D
Acq: 1 May 2017 16:33

Tgt Ion:252 Resp: 63817

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	19.2	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 2.31 ng/mL

RT: 15.72 min Scan# 2344

Delta R.T. 0.00 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-003-B

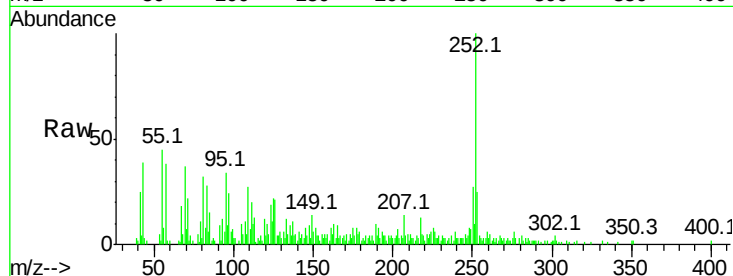
Tot Ion:252 Resp: 22896

Ion Ratio Lower Upper

252 100

253 25.4 18.4 27.6

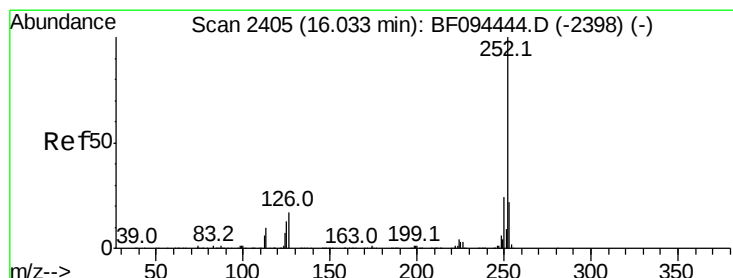
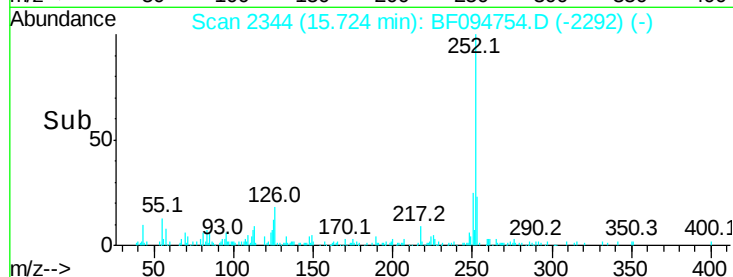
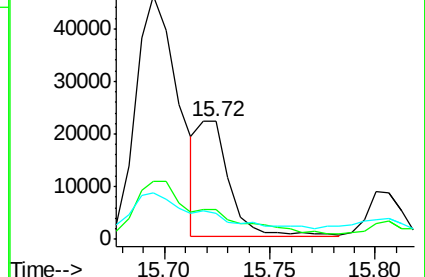
125 22.0 13.1 19.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 4.50 ng/mL

RT: 16.04 min Scan# 2398

Delta R.T. 0.01 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

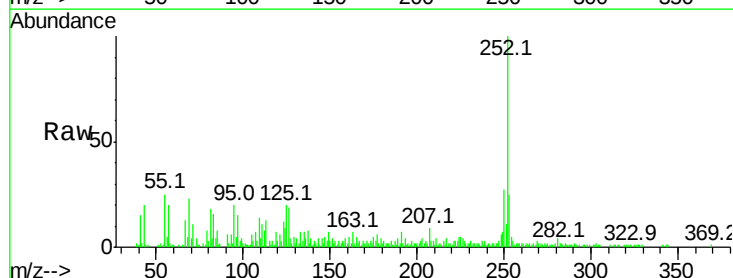
Tgt Ion:252 Resp: 43730

Ion Ratio Lower Upper

252 100

253 25.1 17.5 26.3

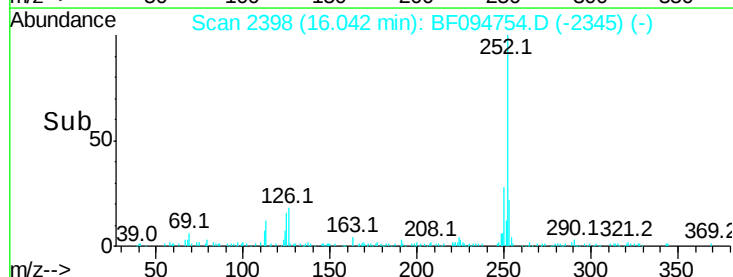
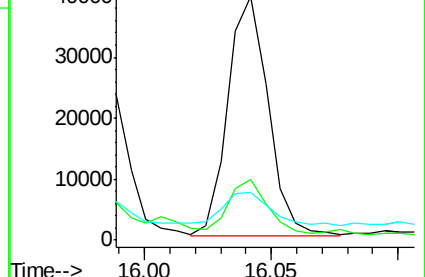
125 19.9 11.0 16.4#

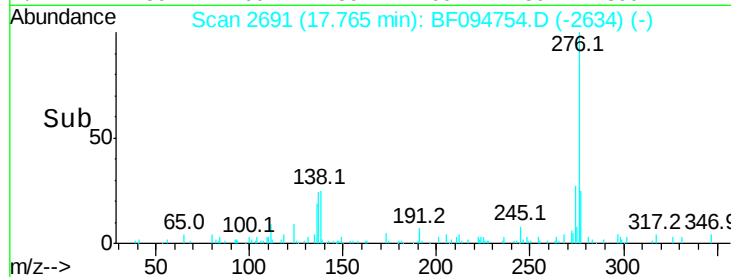
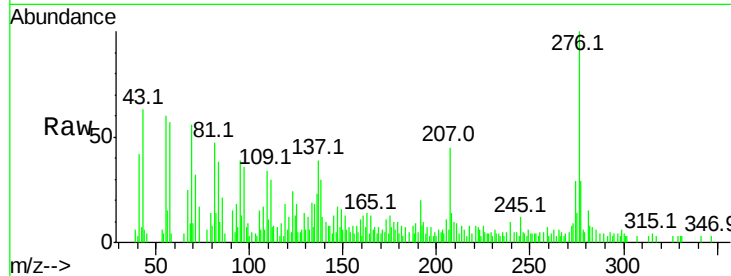
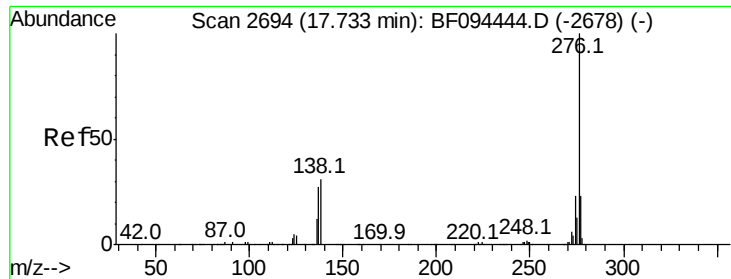


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.84 ng

RT: 17.77 min Scan# 2691

Delta R.T. 0.03 min

Lab File: BF094754.D

Acq: 1 May 2017 16:33

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-003-B

Tot Ion:276 Resp: 23373

Ion Ratio Lower Upper

276 100

277 28.5 18.6 28.0#

138 30.4 25.4 38.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

