

Data Path : Z:\HPCHEM1\BNA_F\Data\BF062017\
 Data File : BF096052.D
 Acq On : 20 Jun 2017 19:10
 Operator : SJ/MA
 Sample : I3697-05 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-001-C

Quant Time: Jun 20 19:37:56 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	73467	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	297345	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	119978	20.00	ng	0.00
63) Phenanthrene-d10	14.53	188	186635	20.00	ng	0.00
75) Chrysene-d12	18.27	240	155109	20.00	ng	0.00
86) Perylene-d12	19.94	264	111827	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	30284	6.57	ng	0.06
7) Phenol-d6	6.90	99	85192	15.43	ng	0.03
23) Nitrobenzene-d5	8.22	82	52412	10.95	ng	0.00
41) 2,4,6-Tribromophenol	13.49	330	690	0.65	ng	0.04
44) 2-Fluorobiphenyl	11.10	172	126045	14.62	ng	0.00
78) Terphenyl-d14	16.92	244	87630	14.02	ng	-0.01

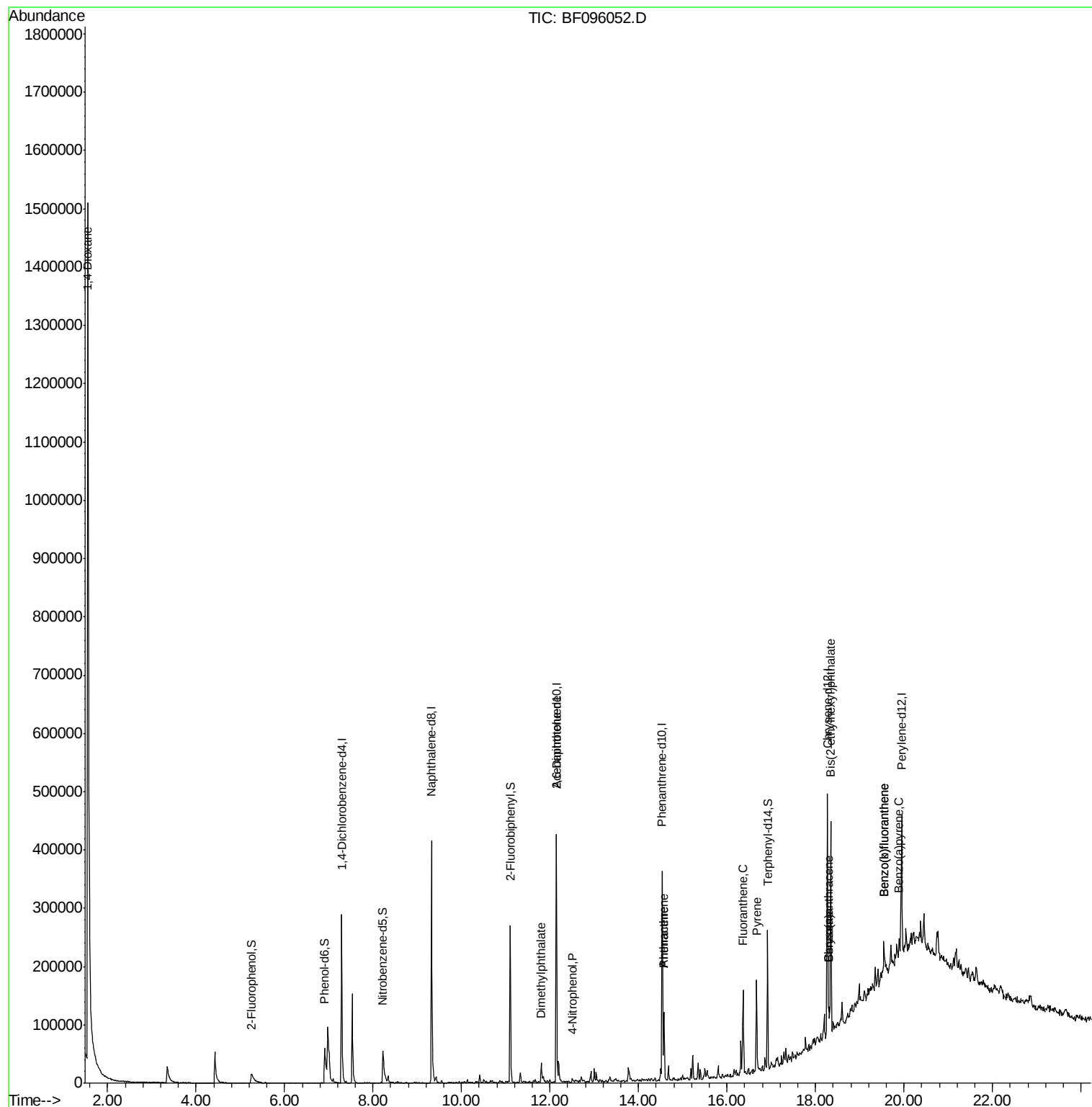
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.55	88	70833	32.295	ng	# 23
49) Dimethylphthalate	11.80	163	22542	2.475	ng	96
50) 2,6-Dinitrotoluene	12.14	165	15029	7.564	ng	# 31
55) 4-Nitrophenol	12.50	139	2069	6.069	ng	# 25
70) Phenanthrene	14.57	178	70463	6.543	ng	97
71) Anthracene	14.57	178	70463	6.268	ng	97
74) Fluoranthene	16.37	202	74423	6.983	ng	99
77) Pyrene	16.67	202	68477	5.917	ng	# 94
80) Benzo(a)anthracene	18.31	228	25247	2.800	ng	98
82) Chrysene	18.31	228	25247	2.801	ng	98
83) Bis(2-ethylhexyl)phthalate	18.34	149	123207	17.280	ng	# 99
87) Benzo(b)fluoranthene	19.54	252	32539	4.647	ng	# 85
88) Benzo(k)fluoranthene	19.54	252	32539	4.862	ng	# 89
89) Benzo(a)pyrene	19.89	252	16137	2.507	ng	# 83

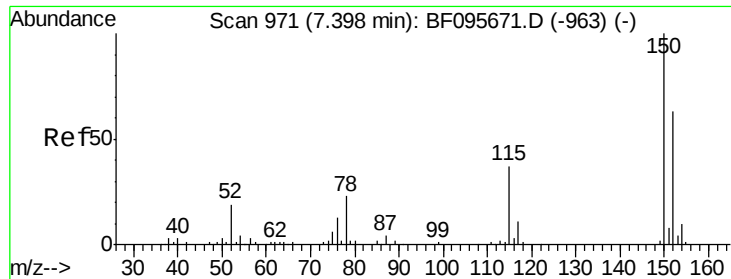
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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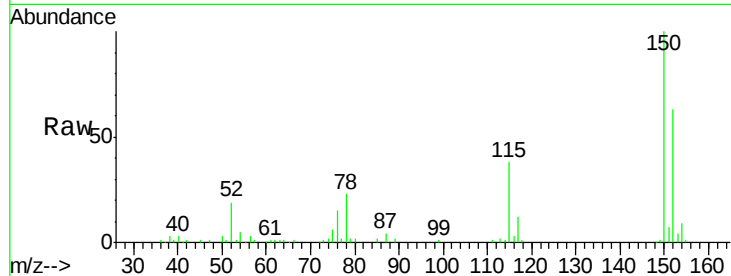




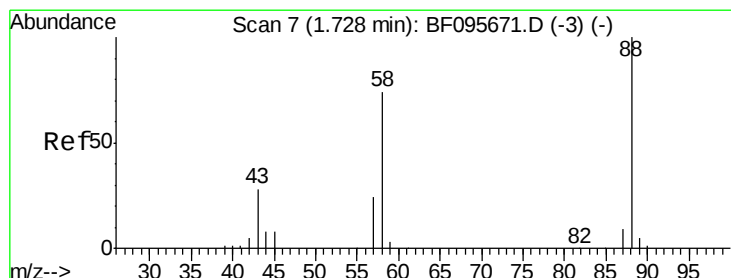
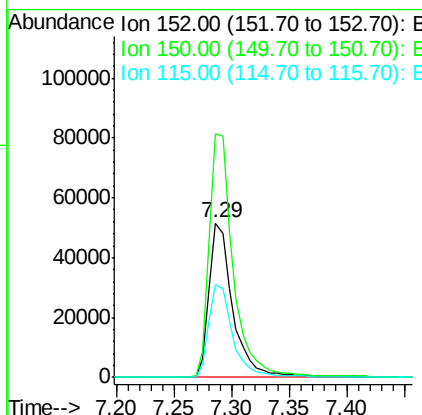
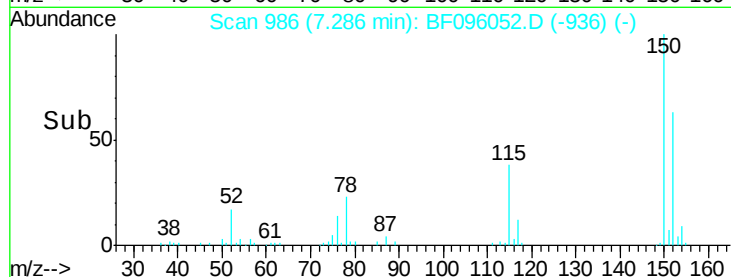
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.29 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: BF096052.D
 Acq: 20 Jun 2017 19:10

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-001-C

Tgt Ion:152 Resp: 73467
 Ion Ratio Lower Upper
 152 100
 150 158.1 126.2 189.2
 115 60.3 52.2 78.2

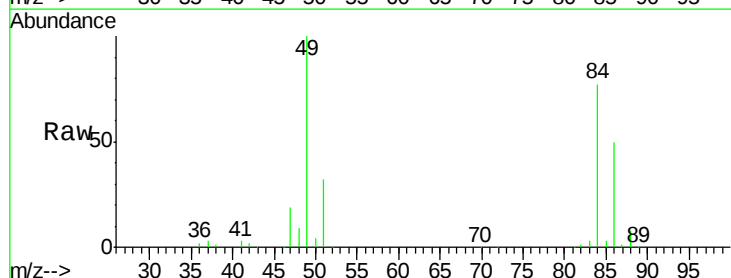


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

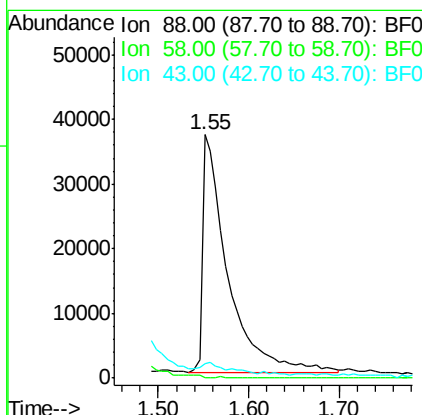
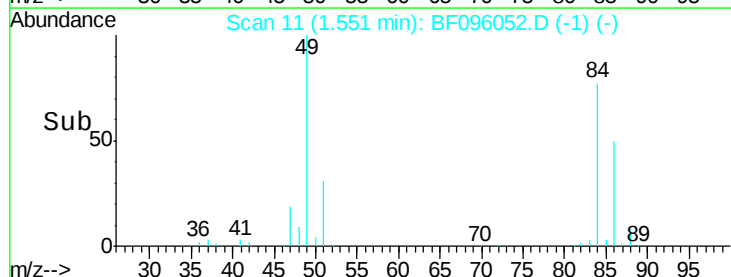


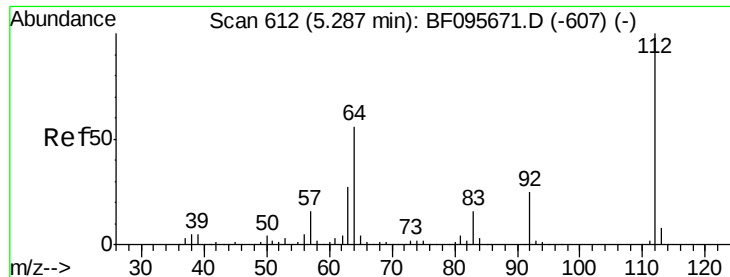
#2
 1,4-Dioxane
 Concen: 32.295 ng
 RT: 1.55 min Scan# 11
 Delta R.T. -0.06 min
 Lab File: BF096052.D
 Acq: 20 Jun 2017 19:10

Tgt Ion: 88 Resp: 70833
 Ion Ratio Lower Upper
 88 100
 58 0.2 61.4 92.0#
 43 4.2 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 6.568 ng

RT: 5.25 min Scan# 639

Delta R.T. 0.06 min

Lab File: BF096052.D

Acq: 20 Jun 2017 19:10

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-001-C

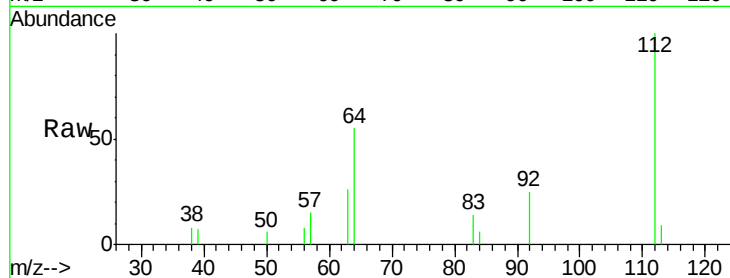
Tgt Ion: 112 Resp: 30284

Ion Ratio Lower Upper

112 100

64 55.4 46.0 69.0

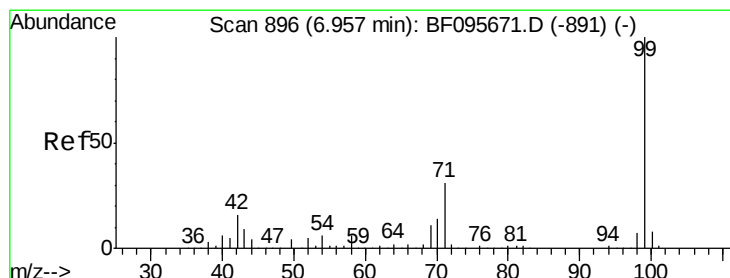
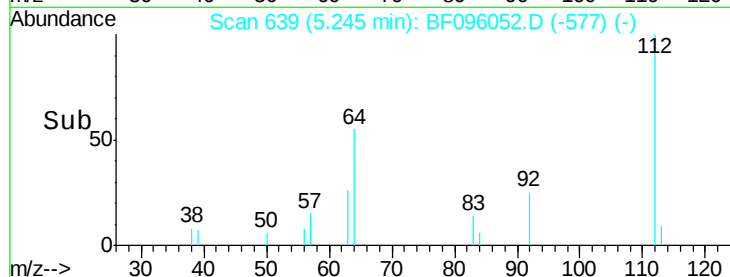
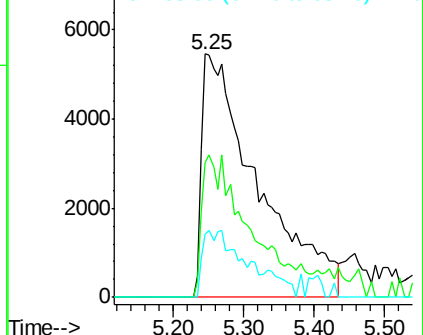
63 25.9 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 15.434 ng

RT: 6.90 min Scan# 921

Delta R.T. 0.03 min

Lab File: BF096052.D

Acq: 20 Jun 2017 19:10

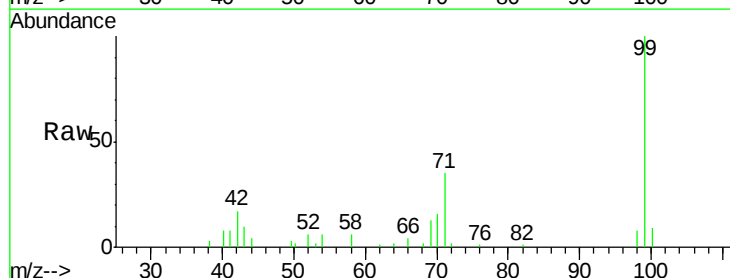
Tgt Ion: 99 Resp: 85192

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

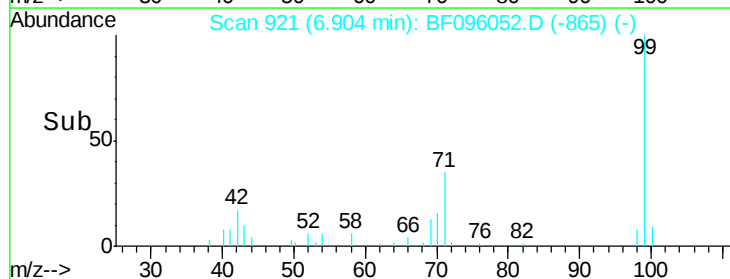
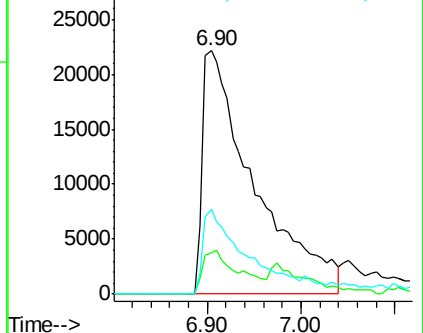
71 35.0 24.5 36.7

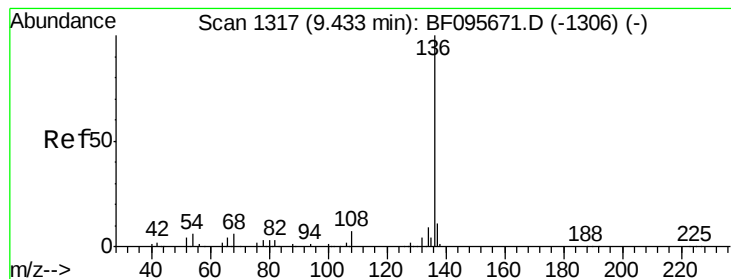


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 9.32 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF096052.D

Acq: 20 Jun 2017 19:10

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-001-C

Tgt Ion: 136 Resp: 297345

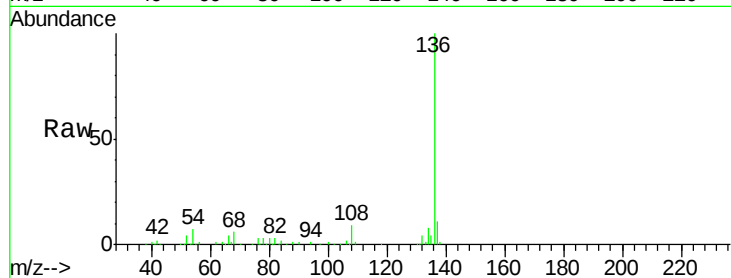
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.9 4.9 7.3

68 5.5 4.1 6.1

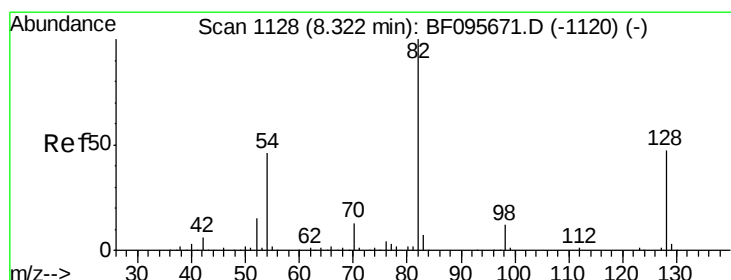
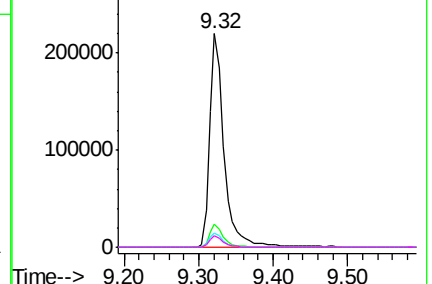
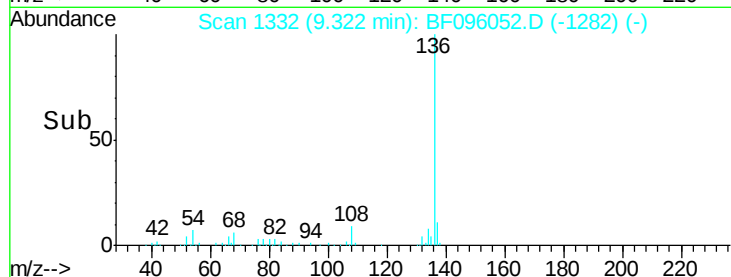


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 10.947 ng

RT: 8.22 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BF096052.D

Acq: 20 Jun 2017 19:10

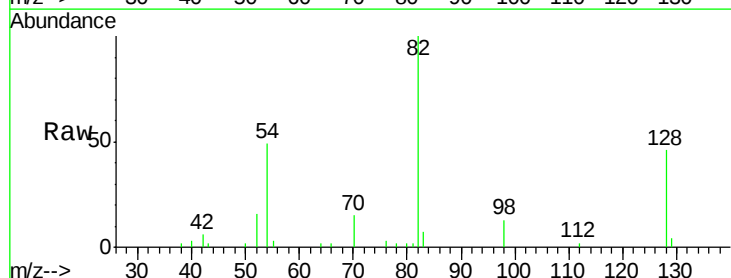
Tgt Ion: 82 Resp: 52412

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

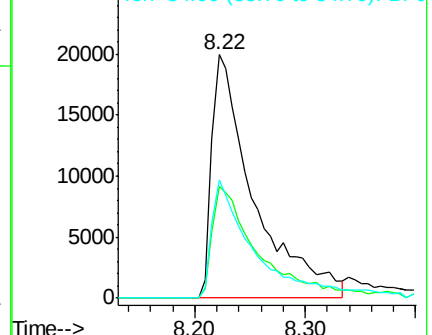
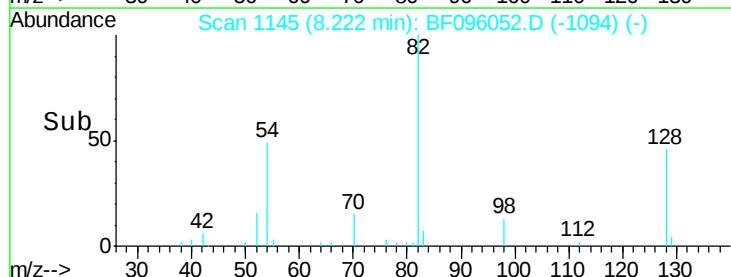
54 48.6 42.2 63.2

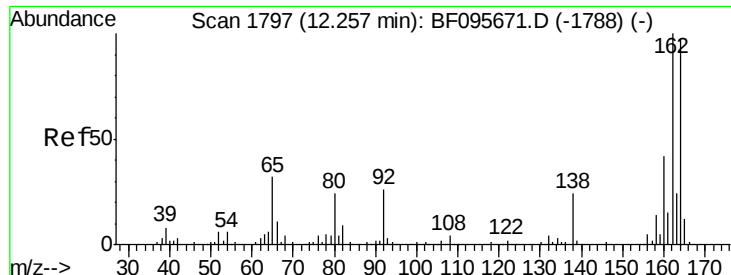


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 12.14 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF096052.D

Acq: 20 Jun 2017 19:10

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FK-SF-02-001-C

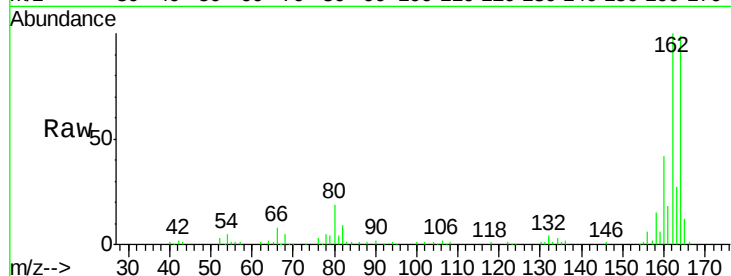
Tgt Ion:164 Resp: 119978

Ion Ratio Lower Upper

164 100

162 101.1 82.6 123.8

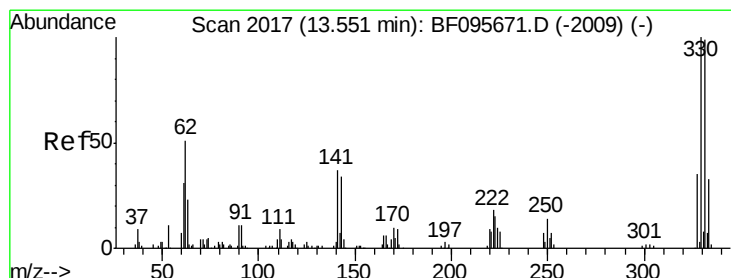
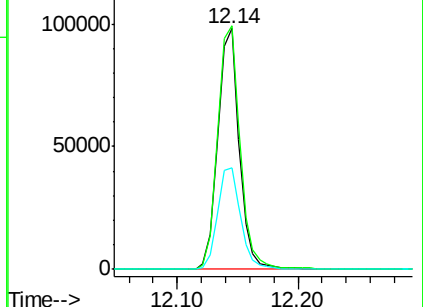
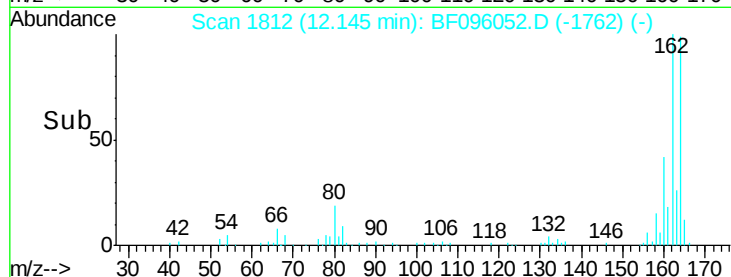
160 42.0 36.2 54.2



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: 0.650 ng

RT: 13.49 min Scan# 2040

Delta R.T. 0.04 min

Lab File: BF096052.D

Acq: 20 Jun 2017 19:10

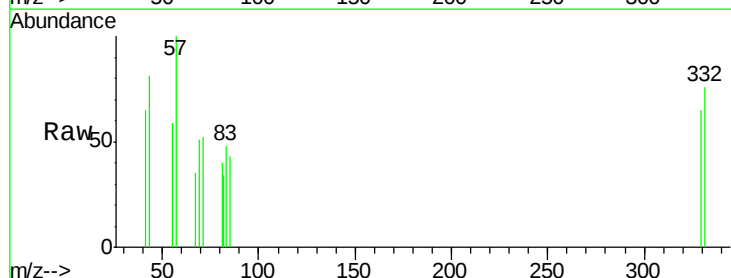
Tgt Ion:330 Resp: 690

Ion Ratio Lower Upper

330 100

332 126.2 76.6 115.0#

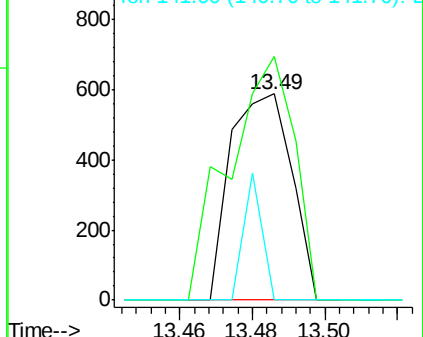
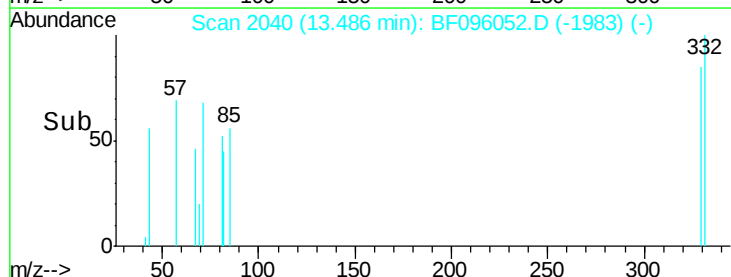
141 18.6 31.4 47.2#

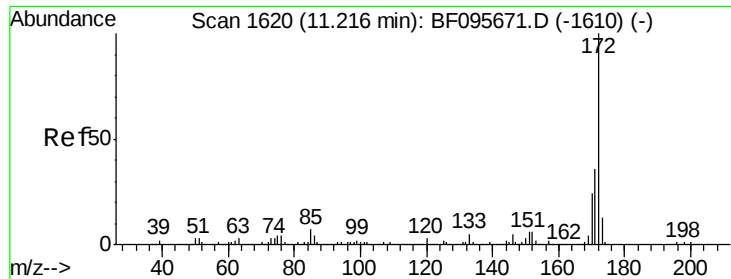


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

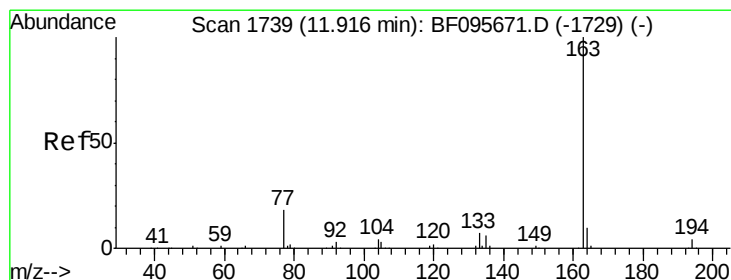
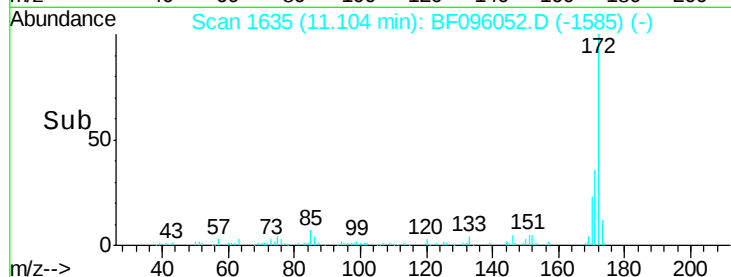
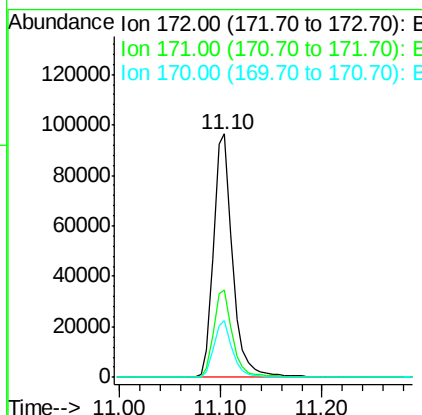
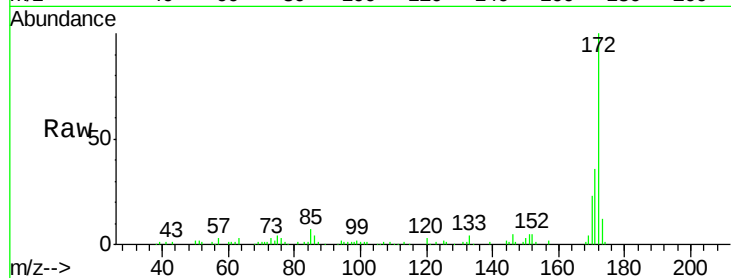




#44
2-Fluorobiphenyl
Concen: 14.619 ng
RT: 11.10 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BF096052.D
Acq: 20 Jun 2017 19:10

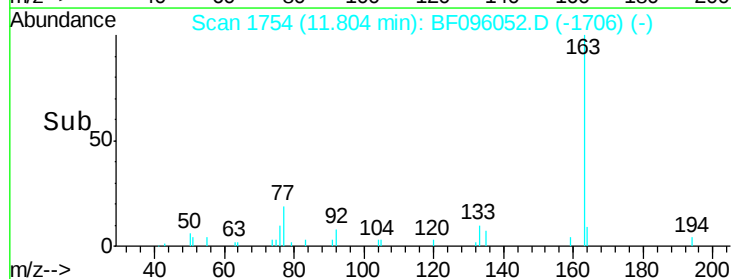
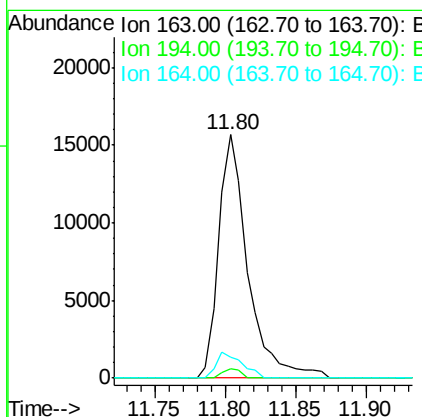
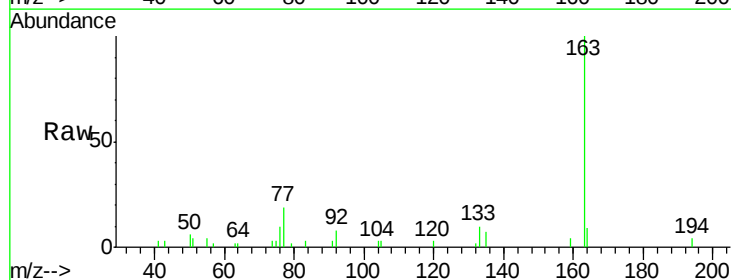
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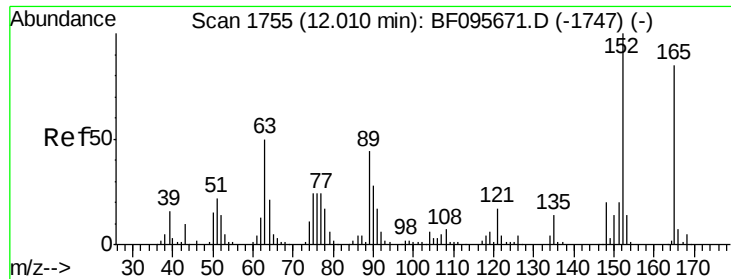
Tgt Ion:172 Resp: 126045
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 23.4 19.8 29.8



#49
Dimethylphthalate
Concen: 2.475 ng
RT: 11.80 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BF096052.D
Acq: 20 Jun 2017 19:10

Tgt Ion:163 Resp: 22542
Ion Ratio Lower Upper
163 100
194 3.9 2.6 4.0
164 8.8 8.4 12.6

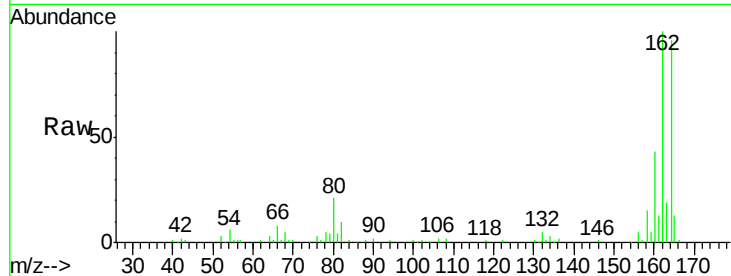




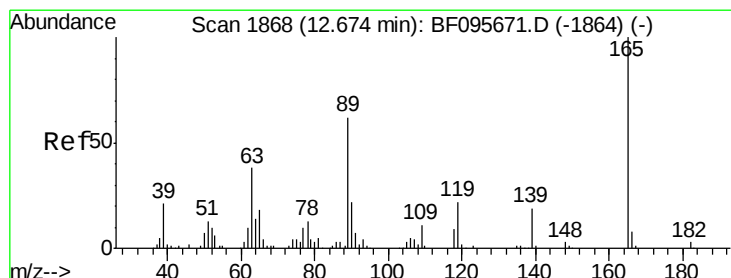
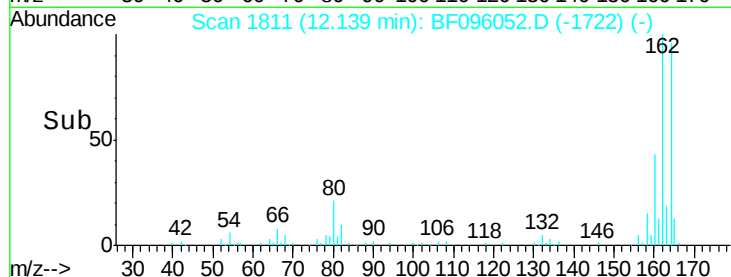
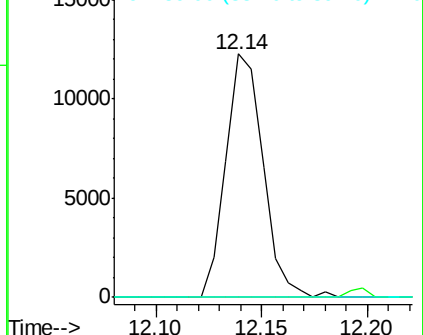
#50
 2,6-Dinitrotoluene
 Concen: 7.564 ng
 RT: 12.14 min Scan# 1811
 Delta R.T. 0.22 min
 Lab File: BF096052.D
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Instrument :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#

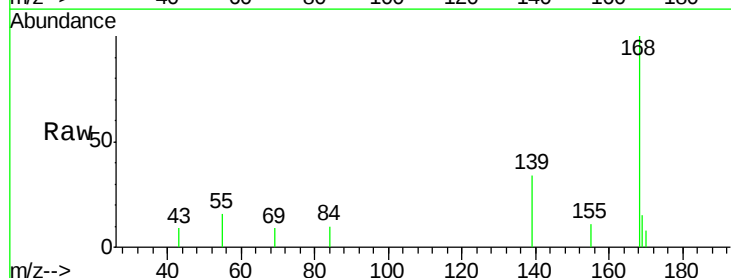


Abundance Ion 165.00 (164.70 to 165.70): E

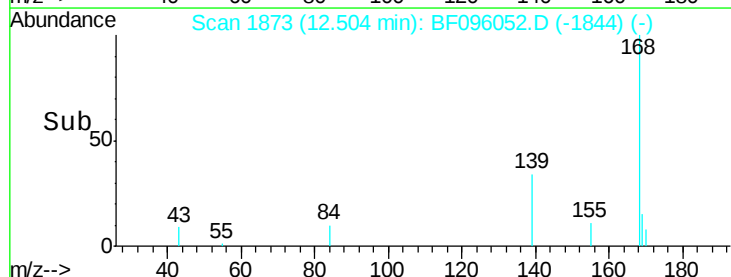
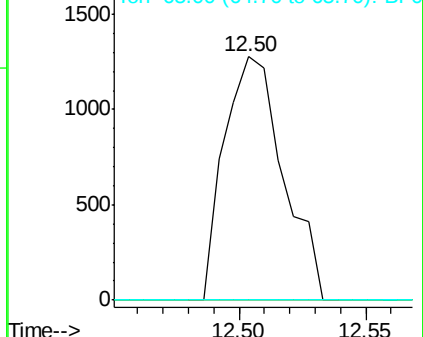


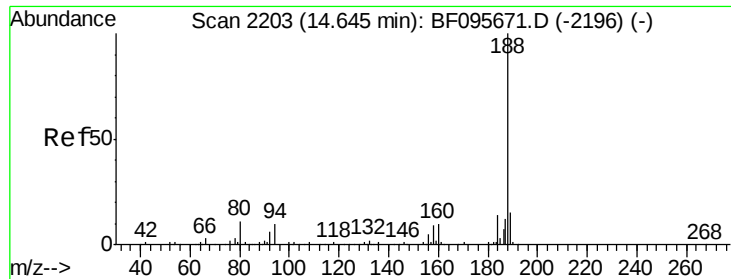
#55
 4-Nitrophenol
 Concen: 6.069 ng
 RT: 12.50 min Scan# 1873
 Delta R.T. -0.13 min
 Lab File: BF096052.D
 Acq: 20 Jun 2017 19:10

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#



Abundance Ion 139.00 (138.70 to 139.70): E

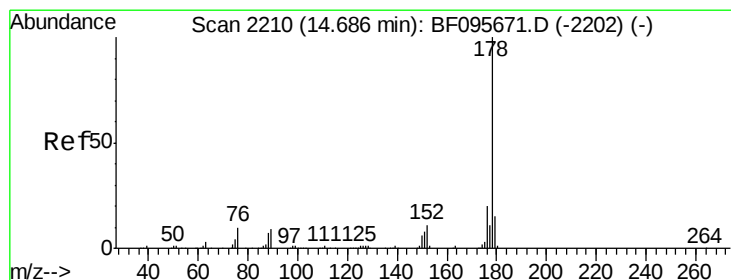
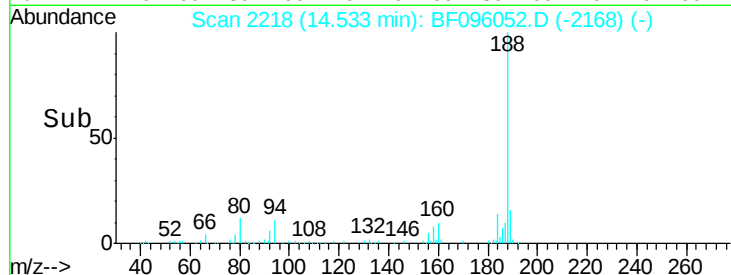
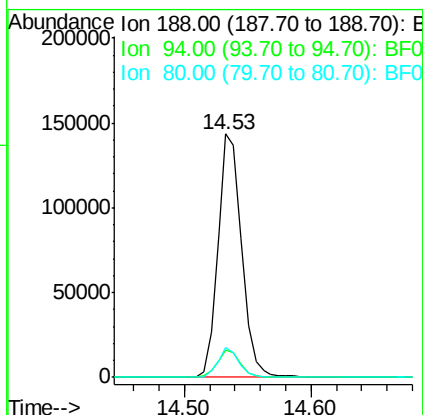
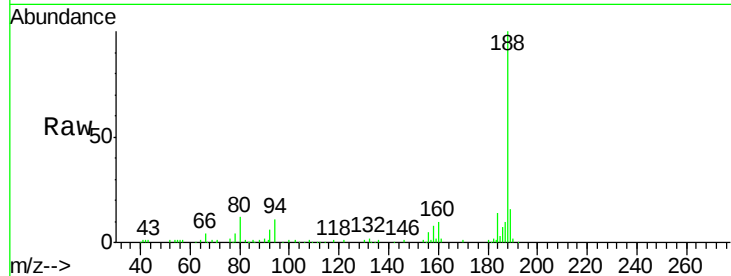




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF096052.D
Acq: 20 Jun 2017 19:10

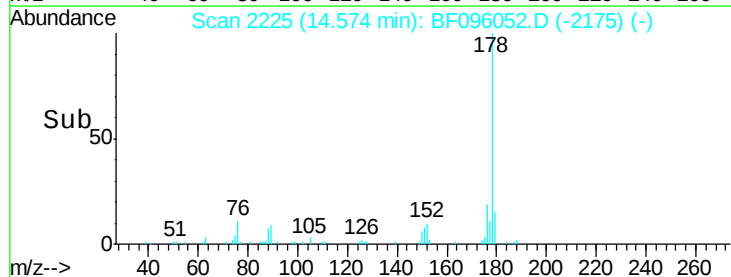
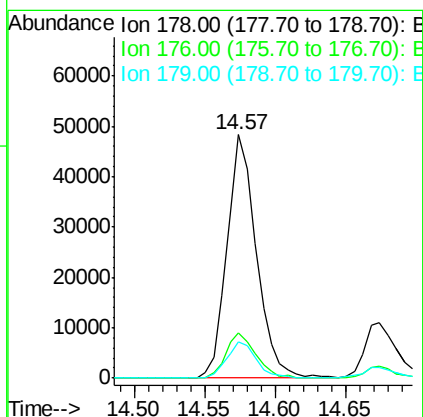
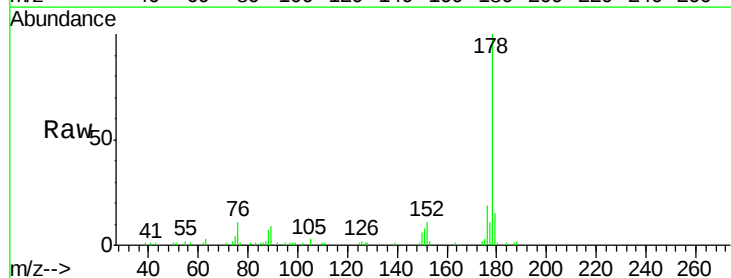
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-001-C

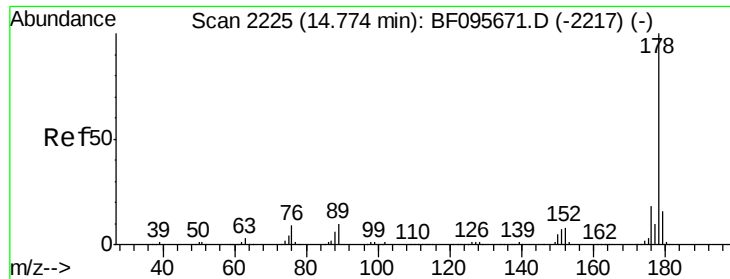
Tgt Ion:188 Resp: 186635
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 12.1 10.2 15.2



#70
Phenanthrene
Concen: 6.543 ng
RT: 14.57 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF096052.D
Acq: 20 Jun 2017 19:10

Tgt Ion:178 Resp: 70463
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.4
179 14.8 12.6 19.0





#71

Anthracene

Concen: 6.268 ng

RT: 14.57 min Scan# 2225

Delta R.T. -0.09 min

Lab File: BF096052.D

Acq: 20 Jun 2017 19:10

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-001-C

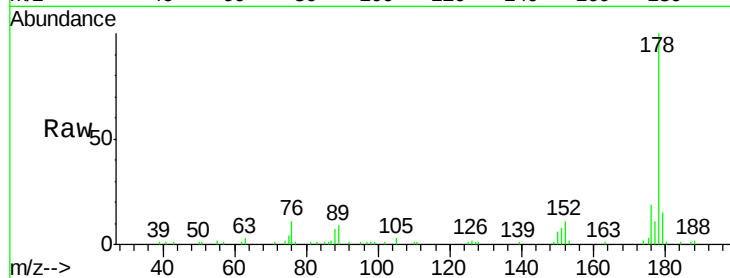
Tgt Ion:178 Resp: 70463

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

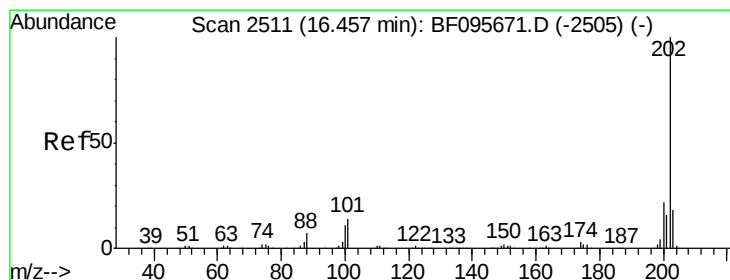
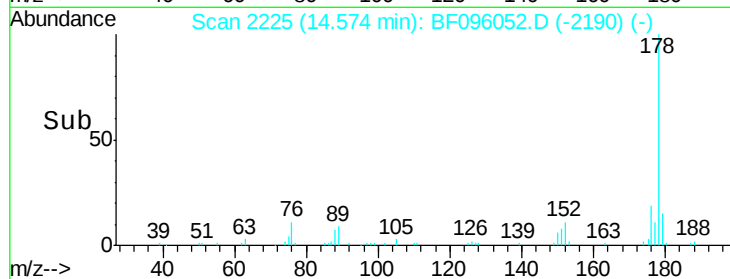
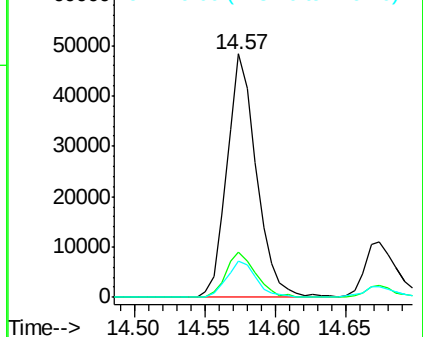
179 14.8 12.7 19.1



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: 6.983 ng

RT: 16.37 min Scan# 2530

Delta R.T. 0.00 min

Lab File: BF096052.D

Acq: 20 Jun 2017 19:10

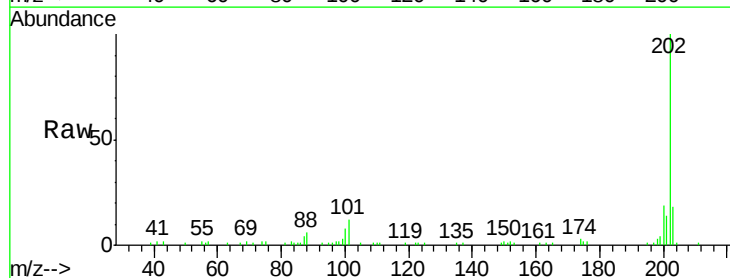
Tgt Ion:202 Resp: 74423

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

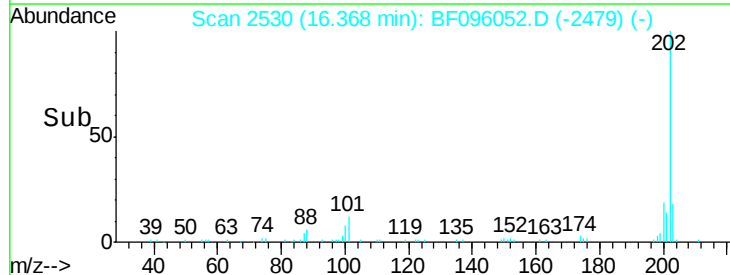
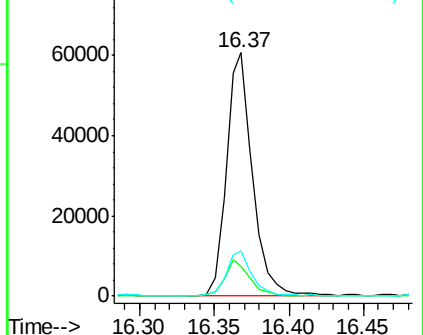
203 18.4 0.0 38.1

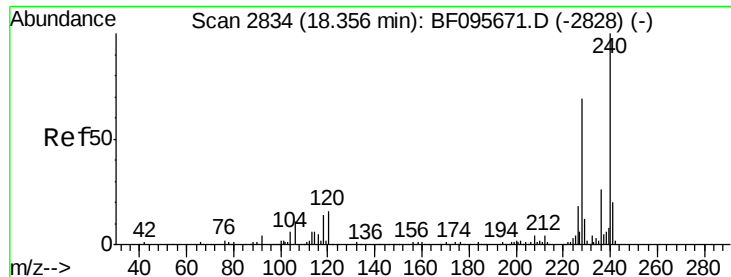


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 18.27 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF096052.D

Acq: 20 Jun 2017 19:10

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-001-C

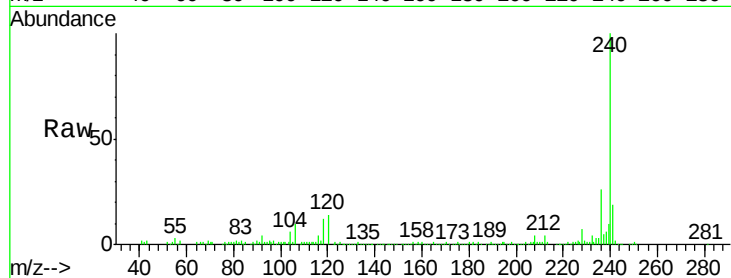
Tgt Ion:240 Resp: 155109

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

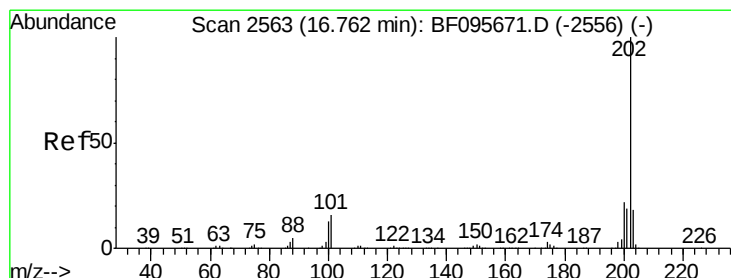
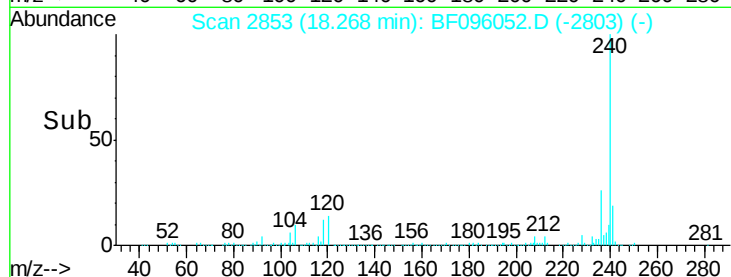
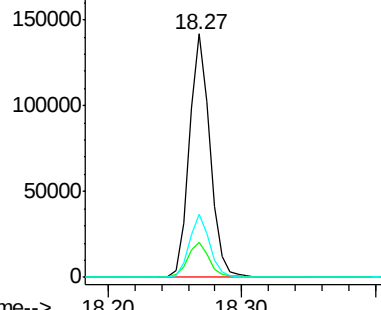
236 25.9 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.917 ng

RT: 16.67 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BF096052.D

Acq: 20 Jun 2017 19:10

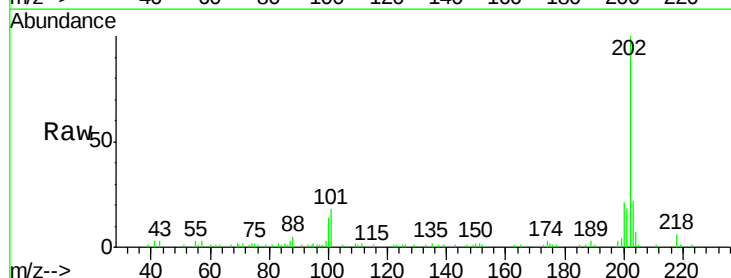
Tgt Ion:202 Resp: 68477

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

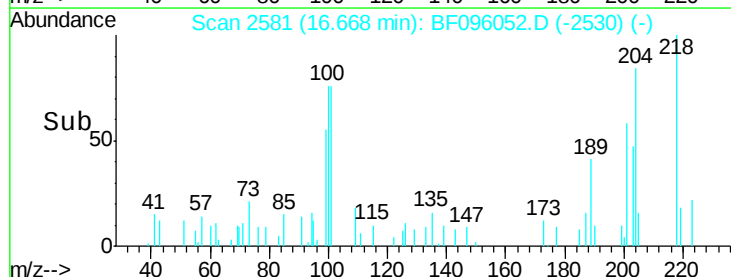
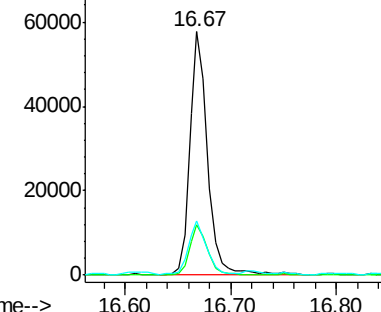
203 22.4 14.4 21.6#

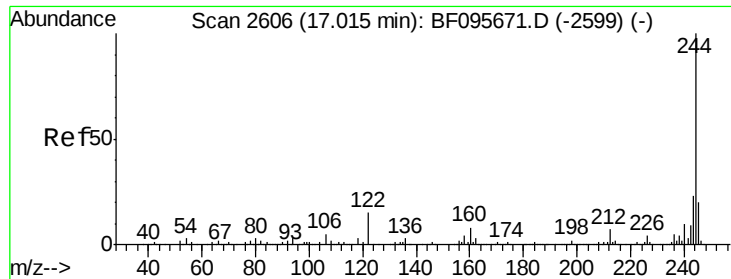


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

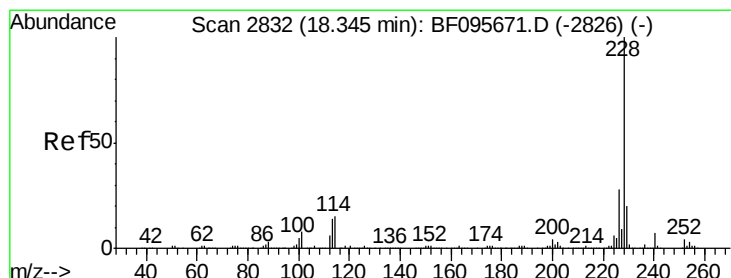
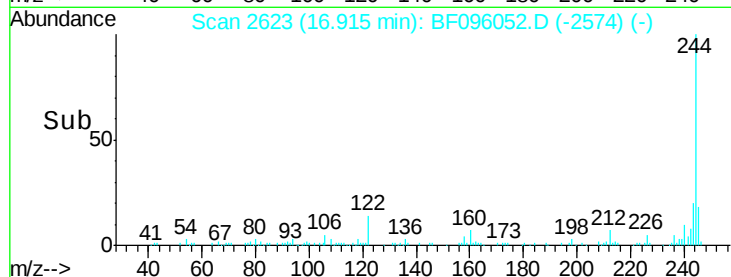
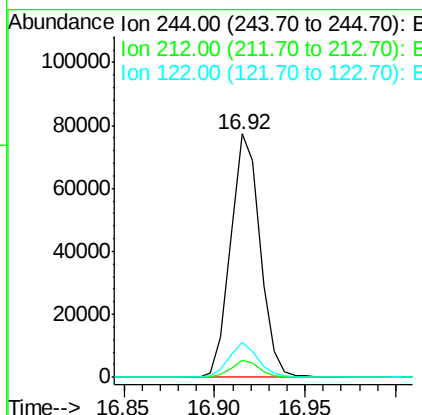
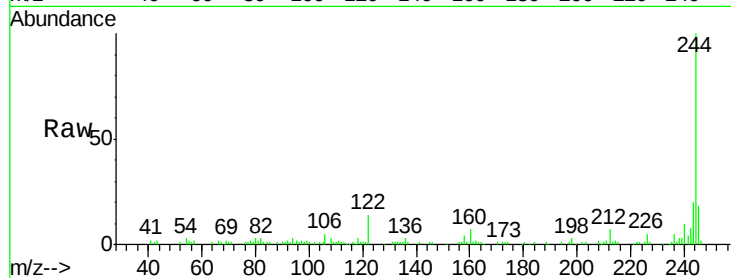




#78
 Terphenyl-d14
 Concen: 14.021 ng
 RT: 16.92 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: BF096052.D
 Acq: 20 Jun 2017 19:10

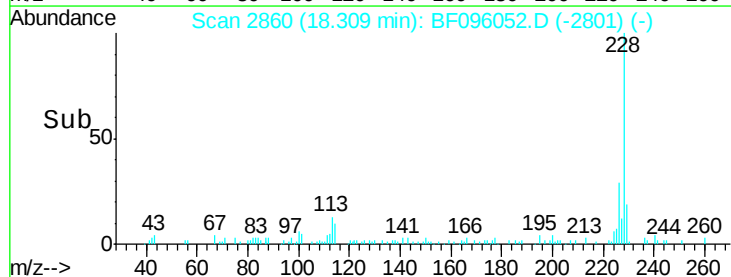
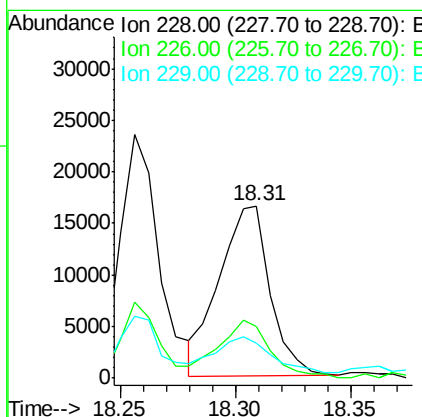
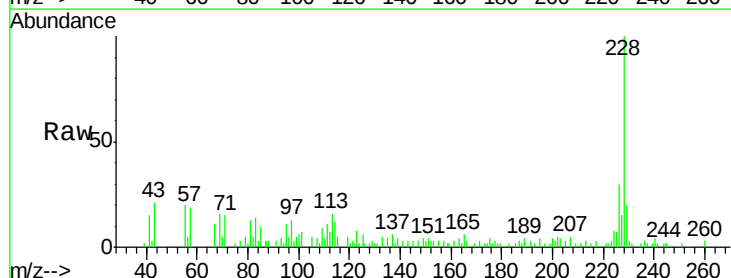
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-001-C

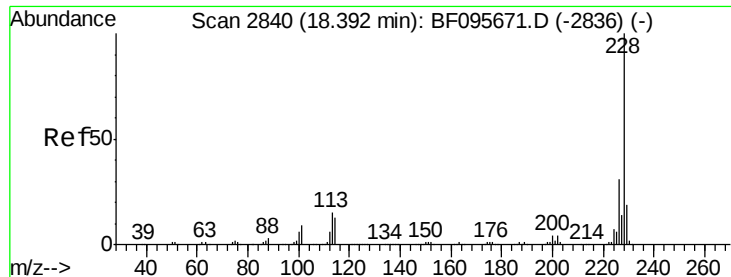
Tgt Ion: 244 Resp: 87630
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 14.4 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.800 ng
 RT: 18.31 min Scan# 2860
 Delta R.T. 0.05 min
 Lab File: BF096052.D
 Acq: 20 Jun 2017 19:10

Tgt Ion: 228 Resp: 25247
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.6 33.8
 229 20.5 16.3 24.5





#82

Chrysene

Concen: 2.801 ng

RT: 18.31 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BF096052.D

Acq: 20 Jun 2017 19:10

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-001-C

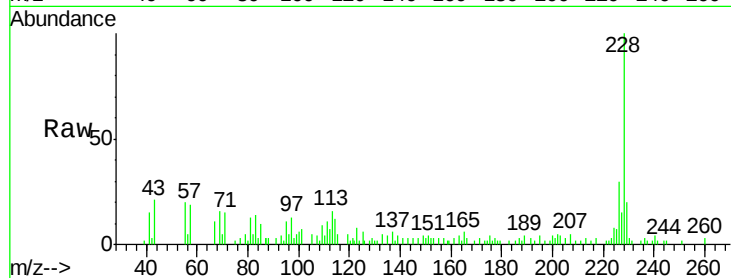
Tgt Ion:228 Resp: 25247

Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

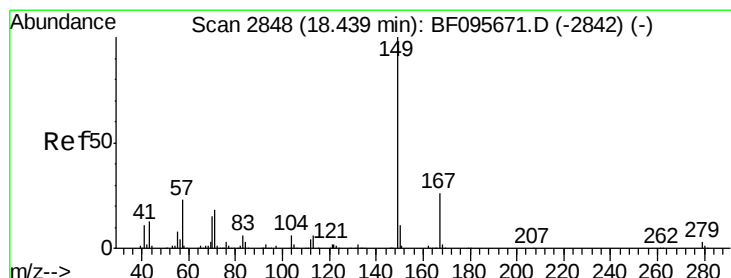
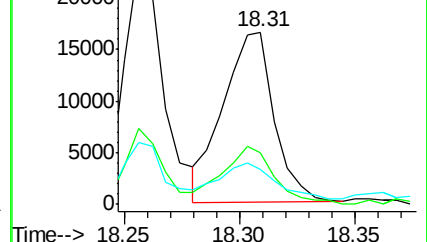
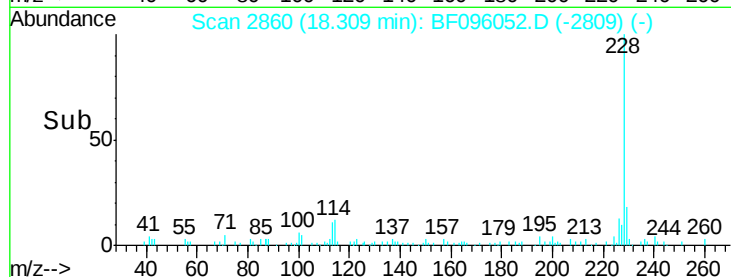
229 20.5 15.8 23.6



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: 17.280 ng

RT: 18.34 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BF096052.D

Acq: 20 Jun 2017 19:10

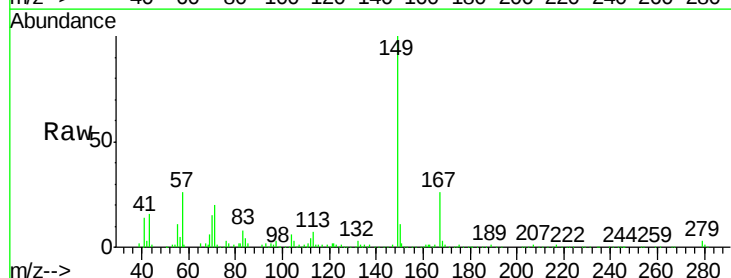
Tgt Ion:149 Resp: 123207

Ion Ratio Lower Upper

149 100

167 25.5 21.0 31.4

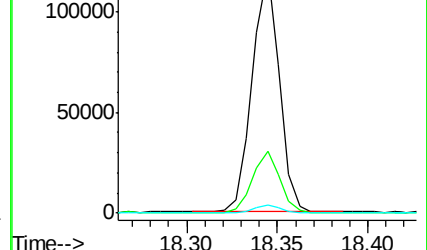
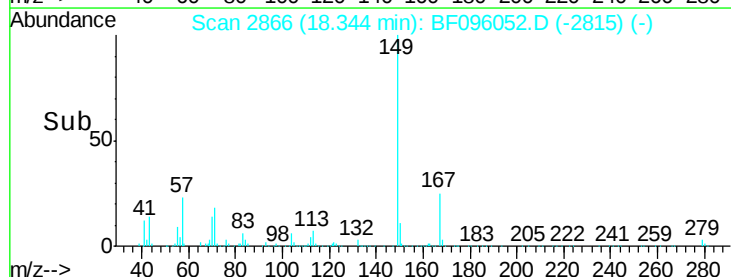
279 3.1 1.9 2.9#

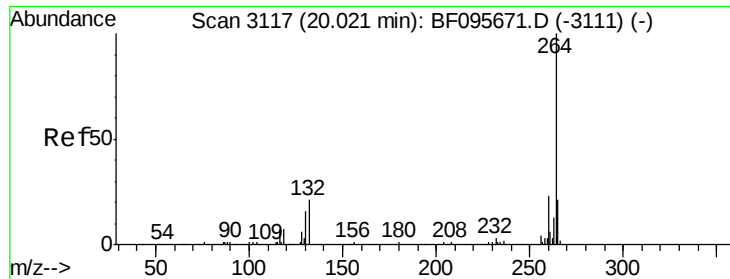


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

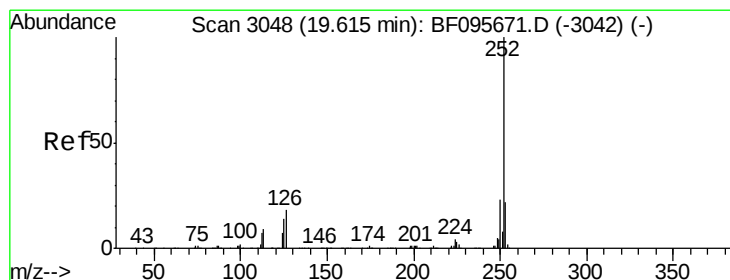
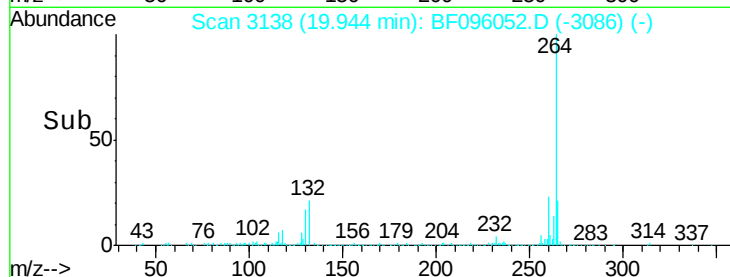
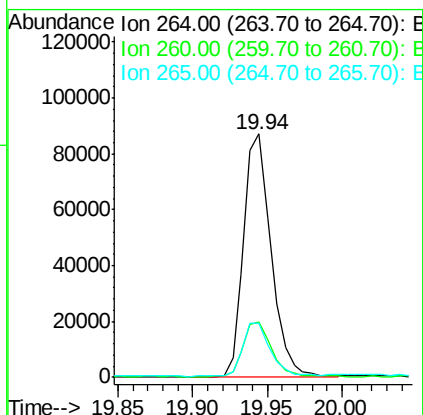
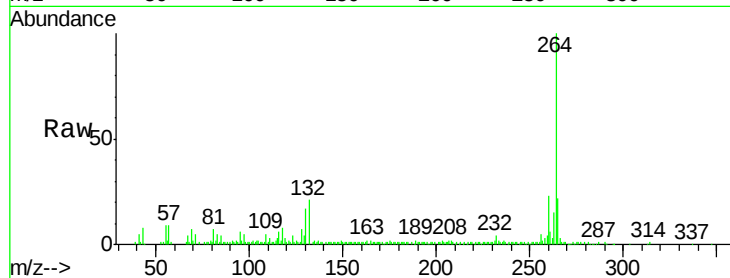




#86
Perylene-d12
Concen: 20.000 ng
RT: 19.94 min Scan# 3138
Delta R.T. 0.01 min
Lab File: BF096052.D
Acq: 20 Jun 2017 19:10

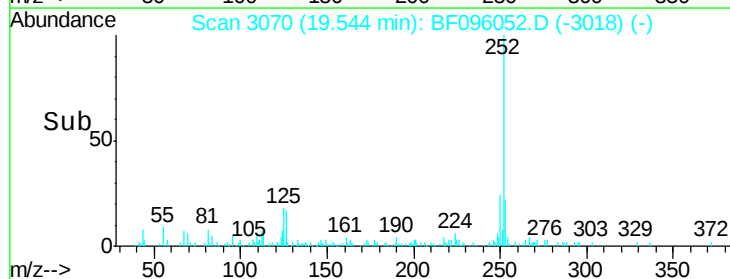
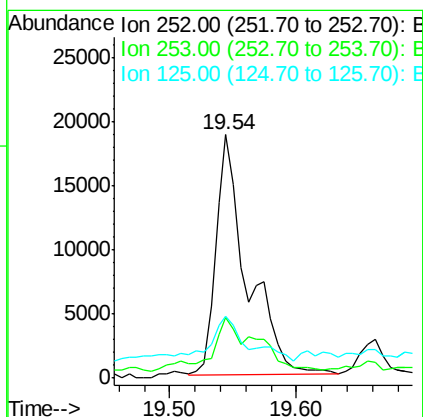
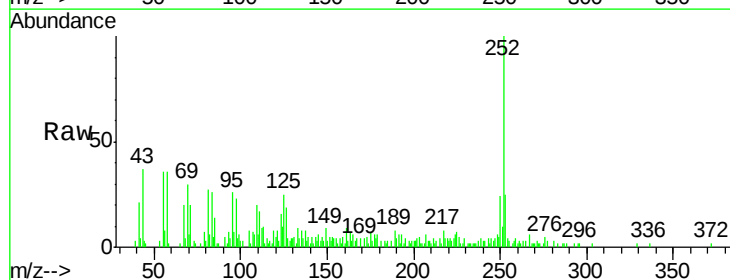
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-001-C

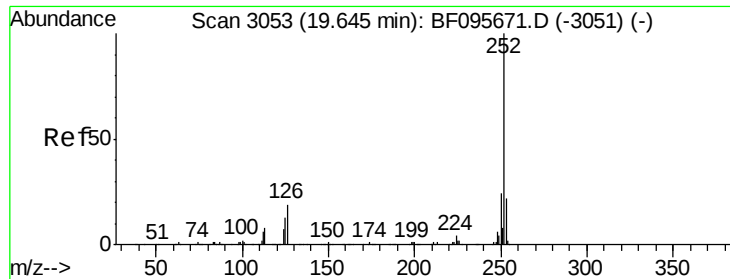
Tgt Ion:264 Resp: 111827
Ion Ratio Lower Upper
264 100
260 23.0 19.5 29.3
265 22.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.647 ng
RT: 19.54 min Scan# 3070
Delta R.T. 0.01 min
Lab File: BF096052.D
Acq: 20 Jun 2017 19:10

Tgt Ion:252 Resp: 32539
Ion Ratio Lower Upper
252 100
253 24.9 18.1 27.1
125 25.3 9.8 14.8#

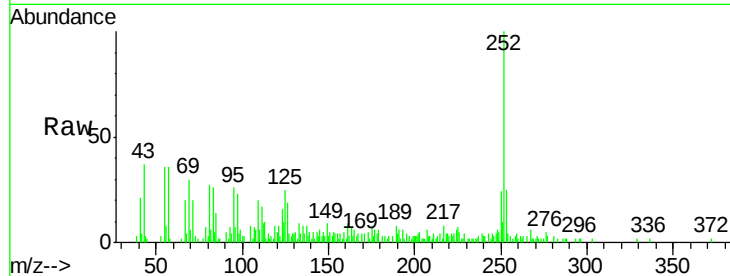




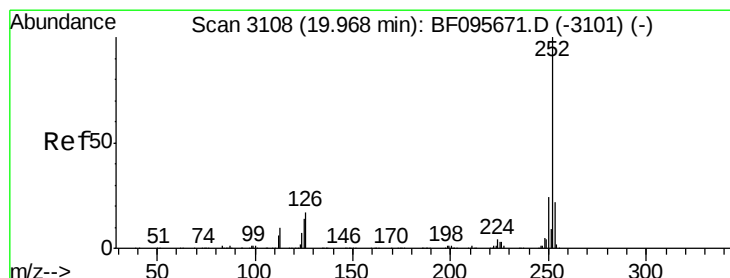
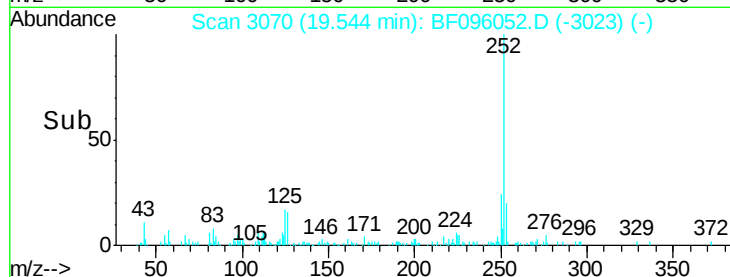
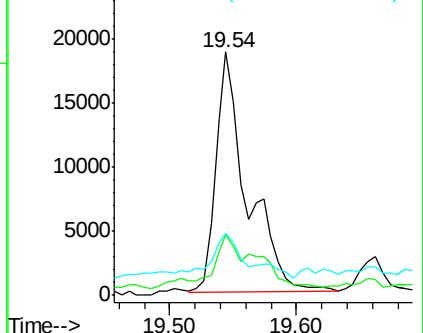
#88
Benzo(k)fluoranthene
Concen: 4.862 ng
RT: 19.54 min Scan# 3070
Delta R.T. -0.02 min
Lab File: BF096052.D
Acq: 20 Jun 2017 19:10

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-001-C

Tgt Ion:252 Resp: 32539
Ion Ratio Lower Upper
252 100
253 24.9 18.4 27.6
125 25.3 13.1 19.7#

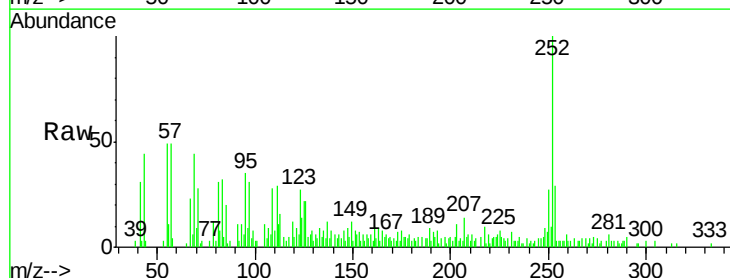


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.507 ng
RT: 19.89 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BF096052.D
Acq: 20 Jun 2017 19:10

Tgt Ion:252 Resp: 16137
Ion Ratio Lower Upper
252 100
253 29.2 17.5 26.3#
125 22.0 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

