

Data Path : Z:\HPCHEM1\BNA_F\Data\BF062017\
 Data File : BF096053.D
 Acq On : 20 Jun 2017 19:43
 Operator : SJ/MA
 Sample : I3693-01 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-A

Quant Time: Jun 20 20:10:25 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	74722	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	285073	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	109667	20.00	ng	-0.01
63) Phenanthrene-d10	14.54	188	169122	20.00	ng	0.00
75) Chrysene-d12	18.27	240	143969	20.00	ng	0.00
86) Perylene-d12	19.94	264	104537	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	27040	5.77	ng	0.06
7) Phenol-d6	6.93	99	41044	7.31	ng	0.06
23) Nitrobenzene-d5	8.24	82	25713	5.60	ng	0.02
41) 2,4,6-Tribromophenol	13.47	330	4150	4.28	ng	0.02
44) 2-Fluorobiphenyl	11.10	172	58639	7.44	ng	0.00
78) Terphenyl-d14	16.92	244	37612	6.48	ng	0.00

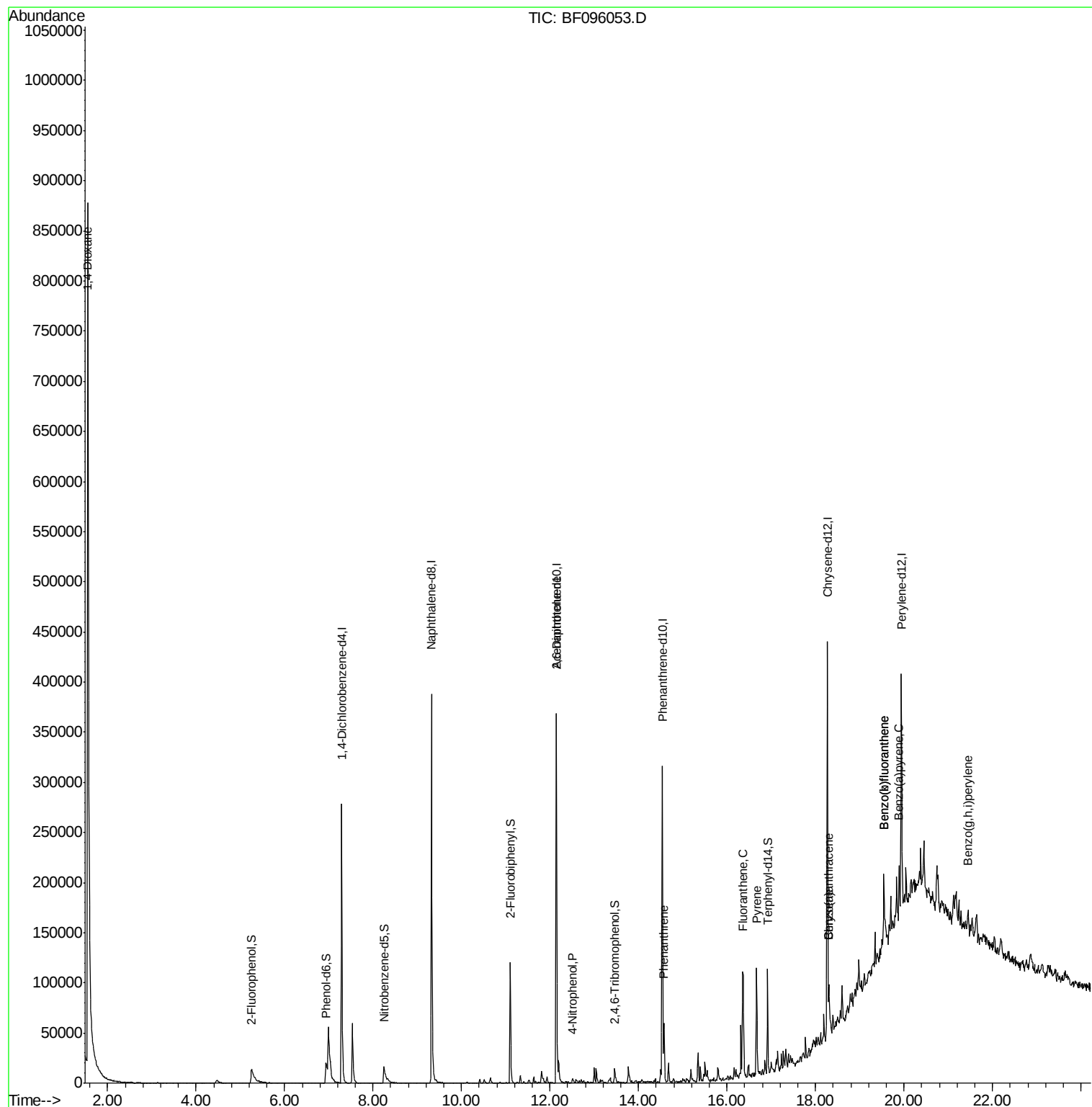
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.56	88	40261	18.048	ng	# 22
50) 2,6-Dinitrotoluene	12.15	165	13857	7.630	ng	# 31
55) 4-Nitrophenol	12.50	139	1422	5.711	ng	# 25
70) Phenanthrene	14.57	178	39251	4.022	ng	98
74) Fluoranthene	16.37	202	54909	5.685	ng	98
77) Pyrene	16.67	202	52663	4.902	ng	96
80) Benzo(a)anthracene	18.30	228	26280	3.140	ng	91
82) Chrysene	18.30	228	26280	3.142	ng	# 94
87) Benzo(b)fluoranthene	19.54	252	42634	6.513	ng	# 91
88) Benzo(k)fluoranthene	19.54	252	42634	6.814	ng	95
89) Benzo(a)pyrene	19.89	252	22302	3.707	ng	# 87
91) Benzo(g,h,i)perylene	21.45	276	13743	2.641	ng	# 87

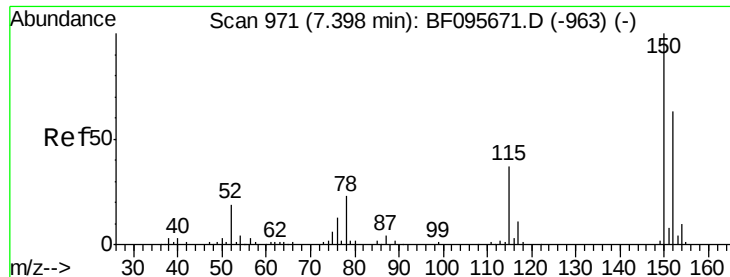
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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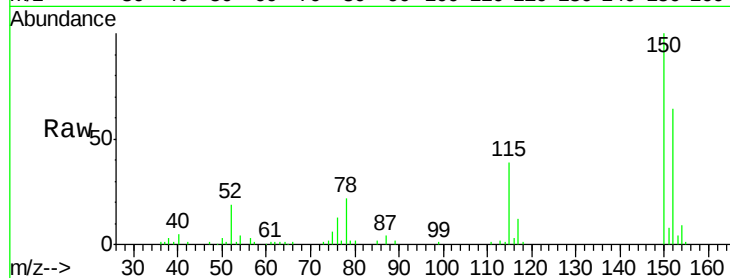


#1

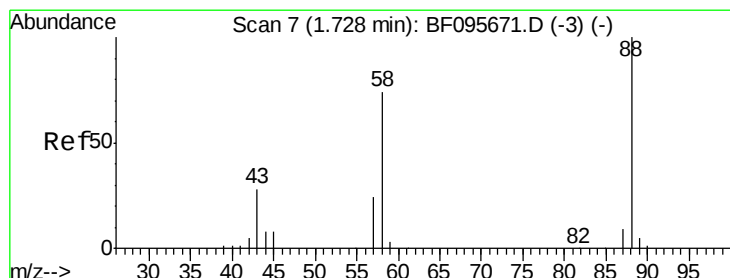
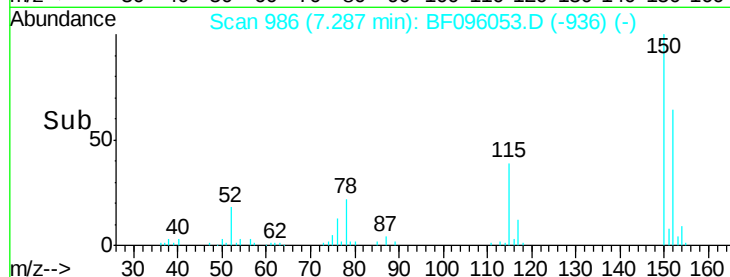
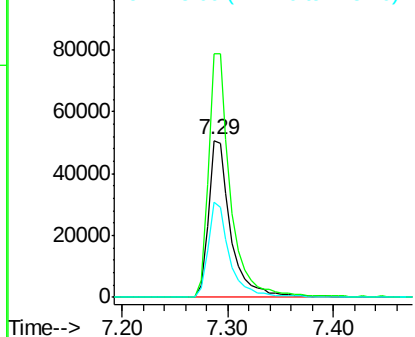
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.29 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF096053.D
Acq: 20 Jun 2017 19:43

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-A

Tgt Ion:152 Resp: 74722
Ion Ratio Lower Upper
152 100
150 155.4 126.2 189.2
115 60.5 52.2 78.2



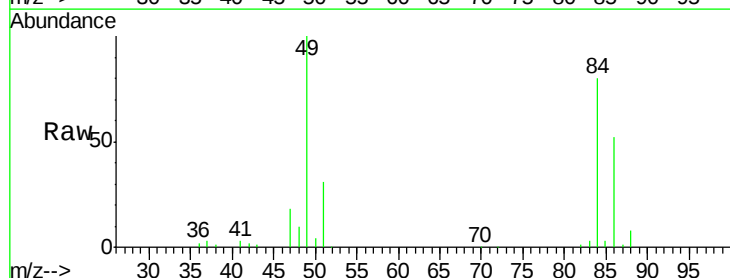
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



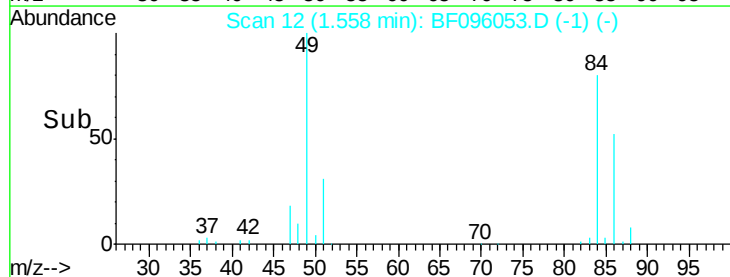
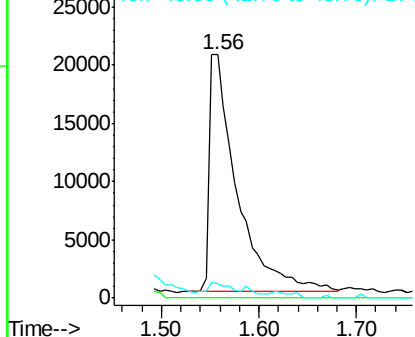
#2

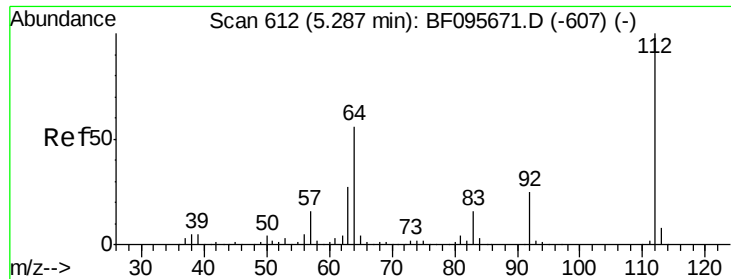
1,4-Dioxane
Concen: 18.048 ng
RT: 1.56 min Scan# 12
Delta R.T. -0.05 min
Lab File: BF096053.D
Acq: 20 Jun 2017 19:43

Tgt Ion: 88 Resp: 40261
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 3.0 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: 5.766 ng

RT: 5.25 min Scan# 639

Delta R.T. 0.06 min

Lab File: BF096053.D

Acq: 20 Jun 2017 19:43

Instrument :

BNA_F

ClientSampleId :

PL-01-061417-A

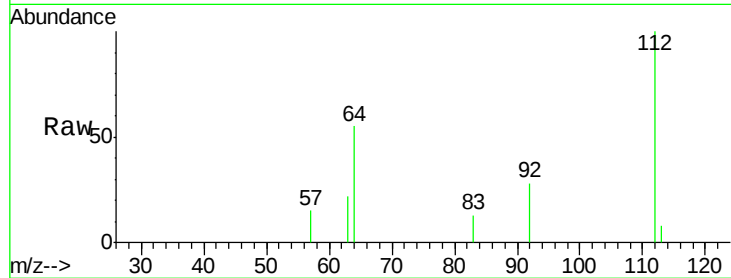
Tgt Ion: 112 Resp: 27040

Ion Ratio Lower Upper

112 100

64 55.0 46.0 69.0

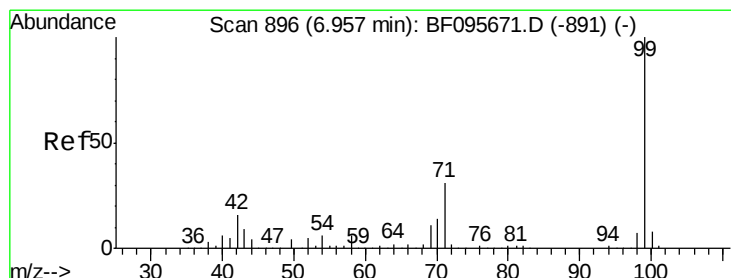
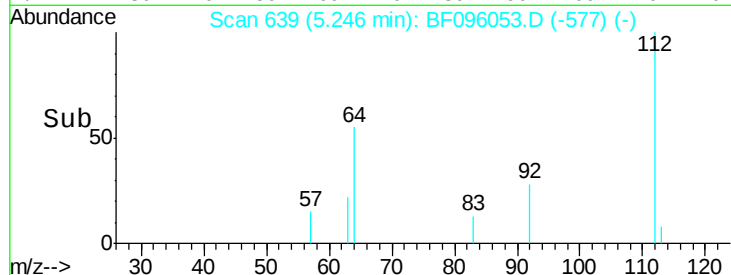
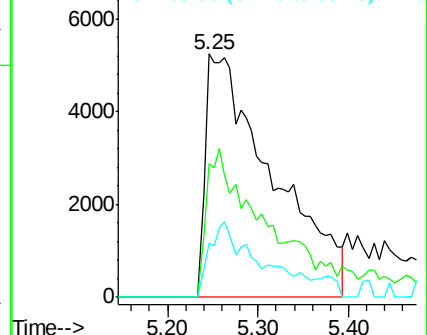
63 22.1 23.4 35.0#



Abundance Ion 112.00 (111.70 to 112.70): BF0

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 7.311 ng

RT: 6.93 min Scan# 926

Delta R.T. 0.06 min

Lab File: BF096053.D

Acq: 20 Jun 2017 19:43

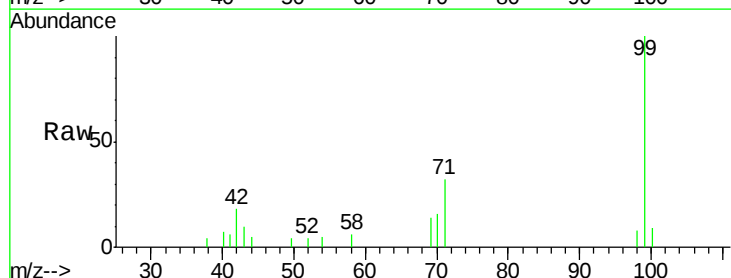
Tgt Ion: 99 Resp: 41044

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

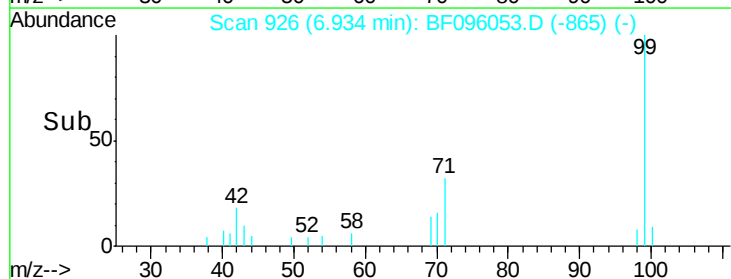
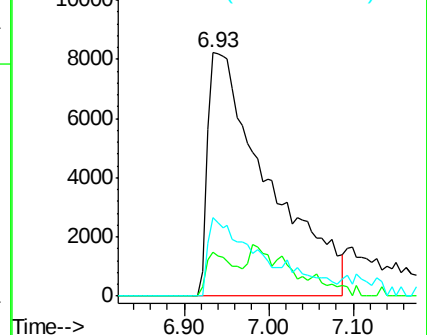
71 32.2 24.5 36.7

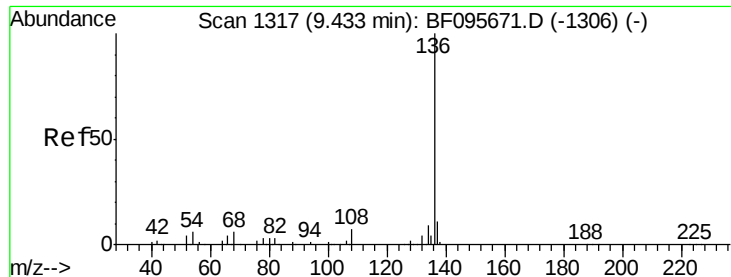


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: BF096053.D

Acq: 20 Jun 2017 19:43

Instrument :

BNA_F

ClientSampleId :

PL-01-061417-A

Tgt Ion: 136 Resp: 285073

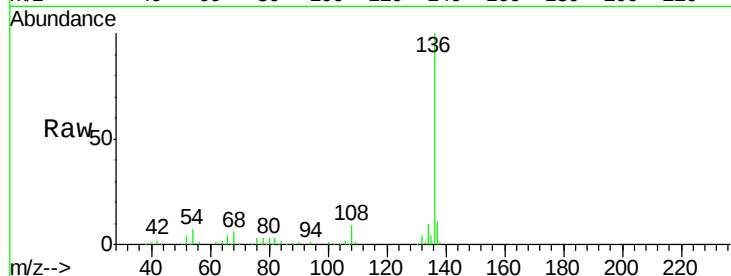
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 7.4 4.9 7.3#

68 5.7 4.1 6.1

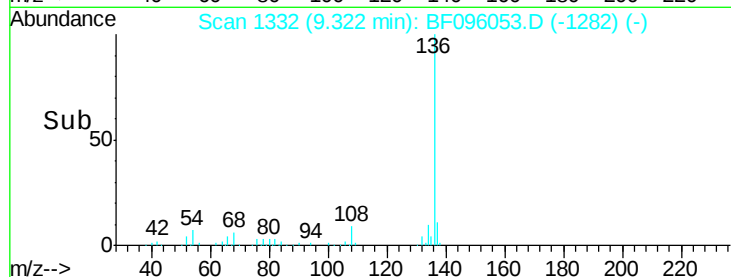


Abundance Ion 136.00 (135.70 to 136.70): E

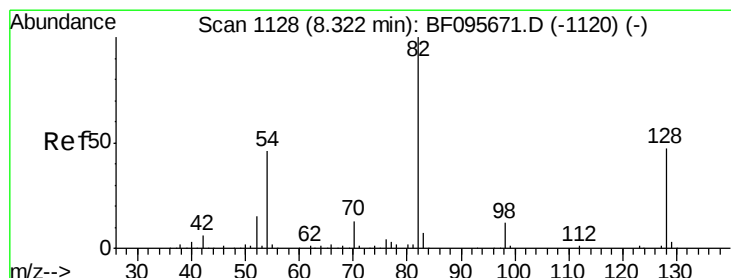
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 5.602 ng

RT: 8.24 min Scan# 1148

Delta R.T. 0.02 min

Lab File: BF096053.D

Acq: 20 Jun 2017 19:43

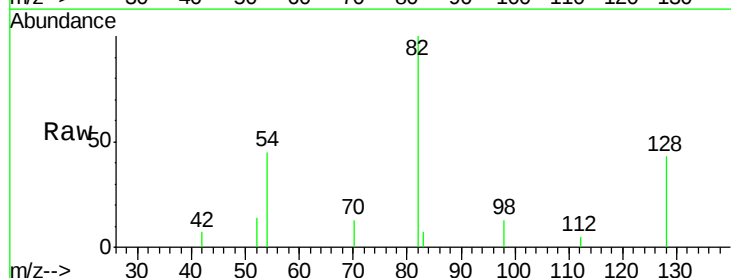
Tgt Ion: 82 Resp: 25713

Ion Ratio Lower Upper

82 100

128 43.1 34.0 51.0

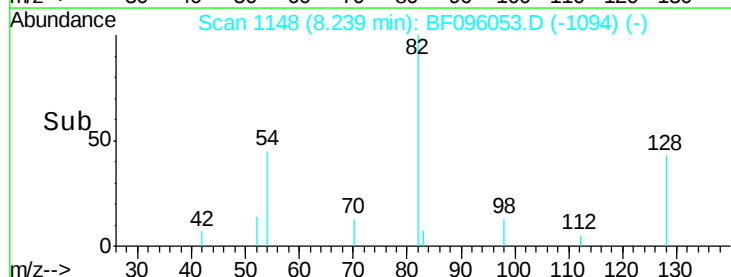
54 44.6 42.2 63.2



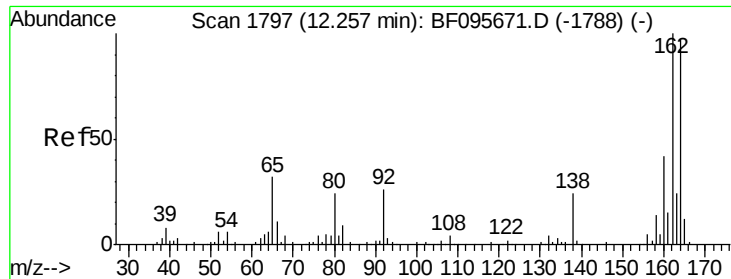
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 12.14 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF096053.D

Acq: 20 Jun 2017 19:43

Instrument :

BNA_F

ClientSampleId :

PL-01-061417-A

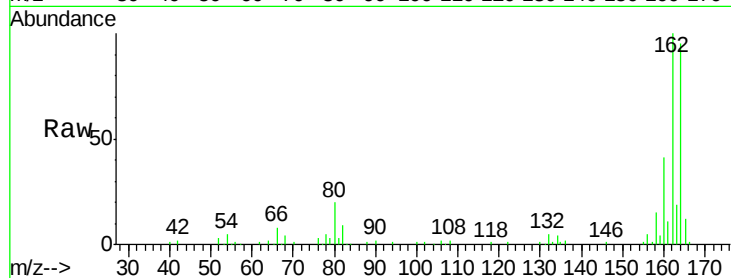
Tgt Ion:164 Resp: 109667

Ion Ratio Lower Upper

164 100

162 105.5 82.6 123.8

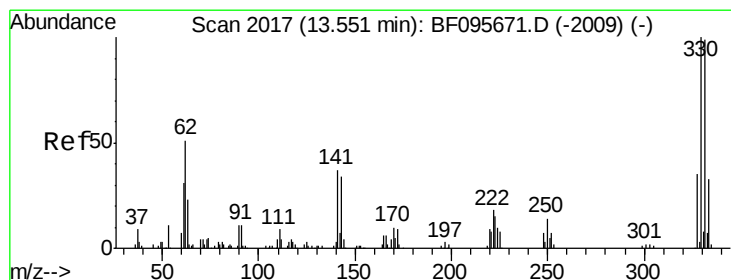
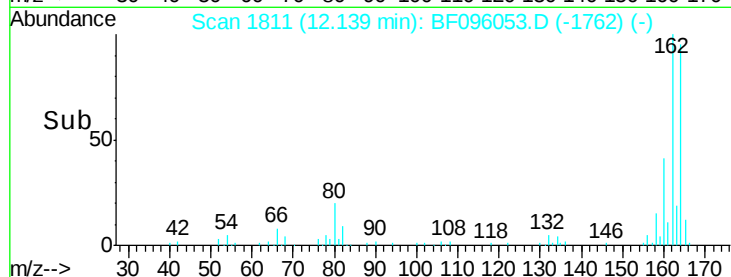
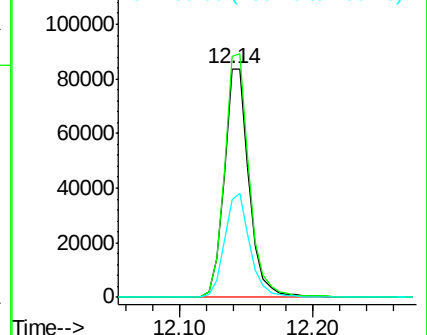
160 42.7 36.2 54.2



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: 4.277 ng

RT: 13.47 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BF096053.D

Acq: 20 Jun 2017 19:43

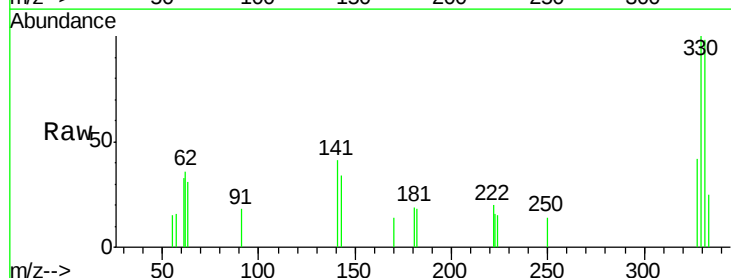
Tgt Ion:330 Resp: 4150

Ion Ratio Lower Upper

330 100

332 96.9 76.6 115.0

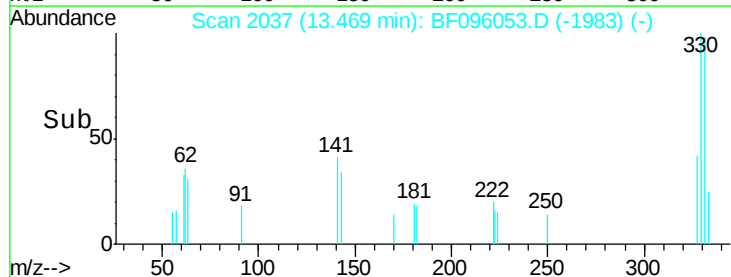
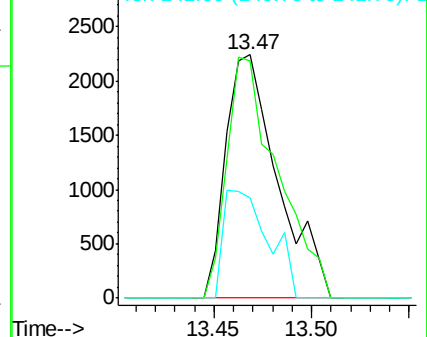
141 38.5 31.4 47.2

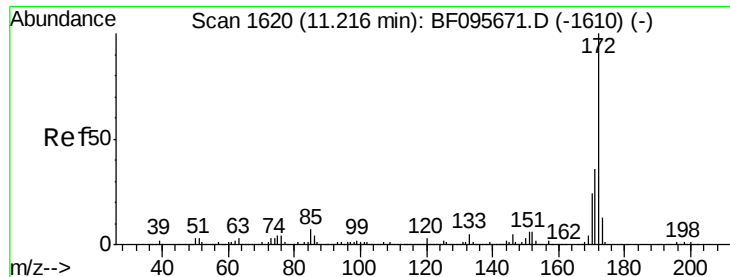


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 7.441 ng

RT: 11.10 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BF096053.D

Acq: 20 Jun 2017 19:43

Instrument :

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ClientSampleId :

PL-01-061417-A

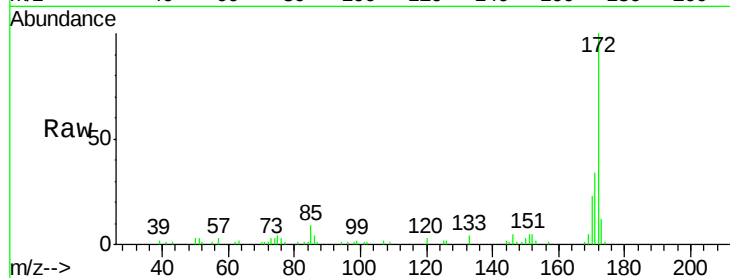
Tgt Ion:172 Resp: 58639

Ion Ratio Lower Upper

172 100

171 34.3 29.6 44.4

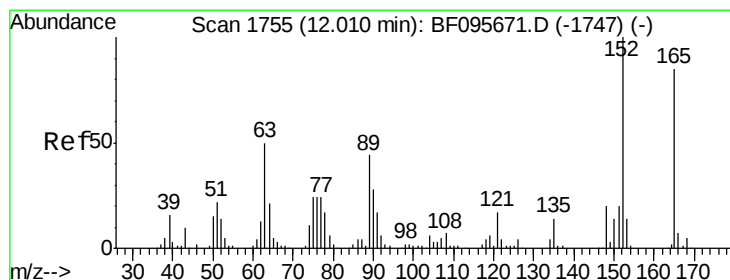
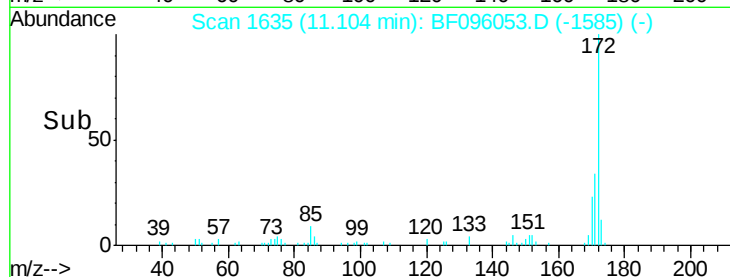
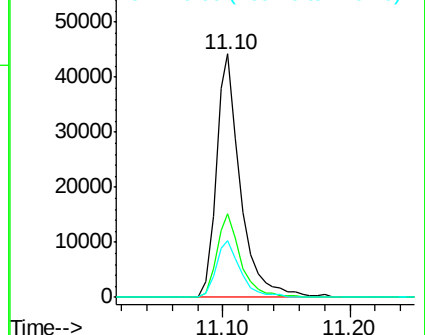
170 23.3 19.8 29.8



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



#50

2,6-Dinitrotoluene

Concen: 7.630 ng

RT: 12.15 min Scan# 1812

Delta R.T. 0.23 min

Lab File: BF096053.D

Acq: 20 Jun 2017 19:43

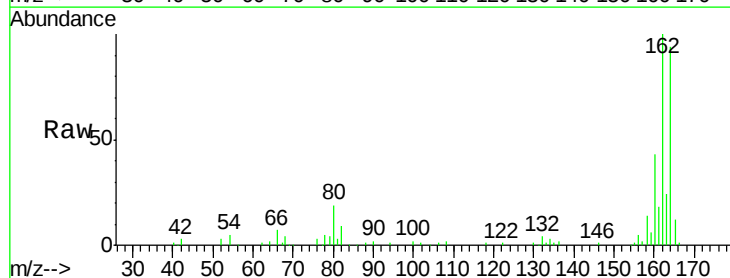
Tgt Ion:165 Resp: 13857

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

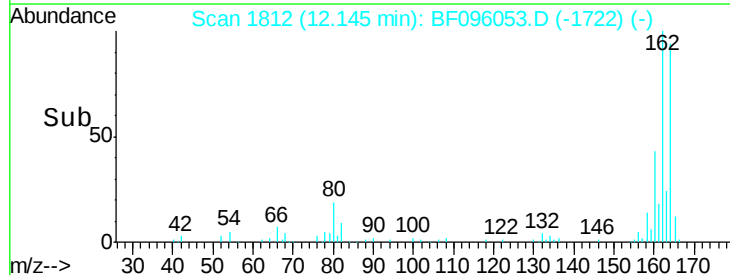
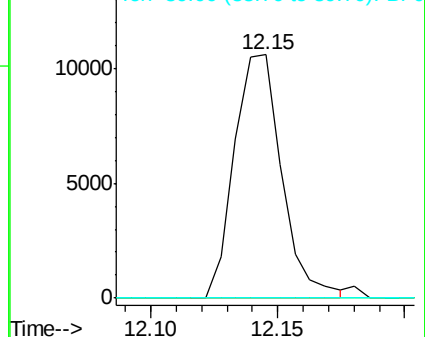
89 0.0 37.1 55.7#

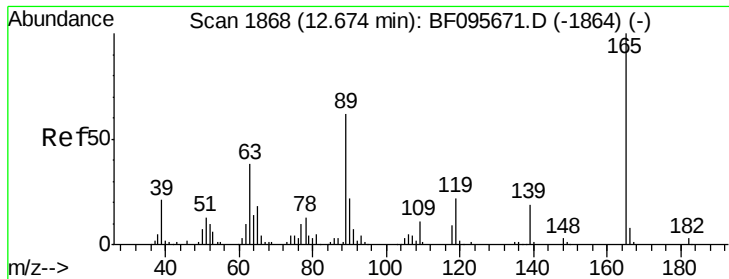


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

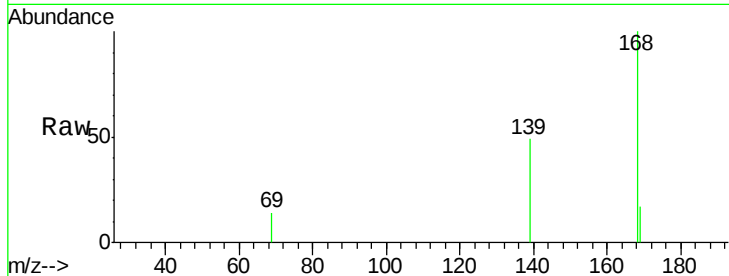




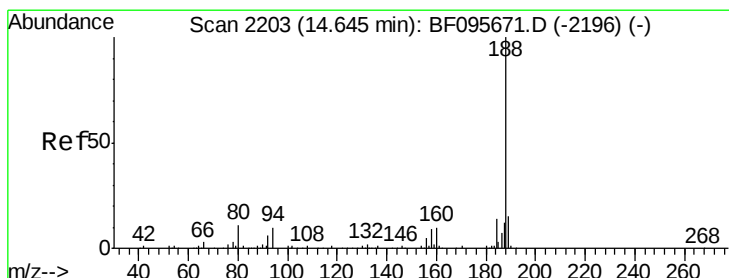
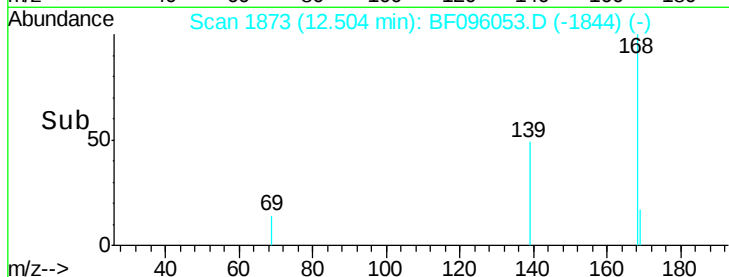
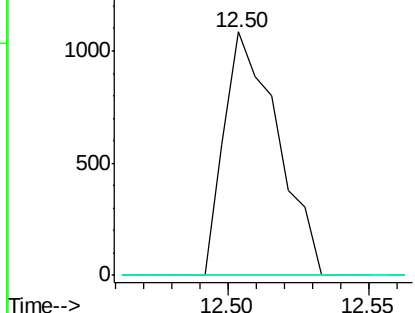
#55
4-Nitrophenol
Concen: 5.711 ng
RT: 12.50 min Scan# 1873
Delta R.T. -0.13 min
Lab File: BF096053.D
Acq: 20 Jun 2017 19:43

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-A

Tgt Ion:139 Resp: 1422
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

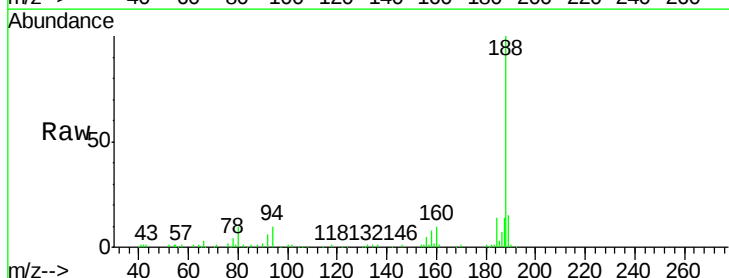


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

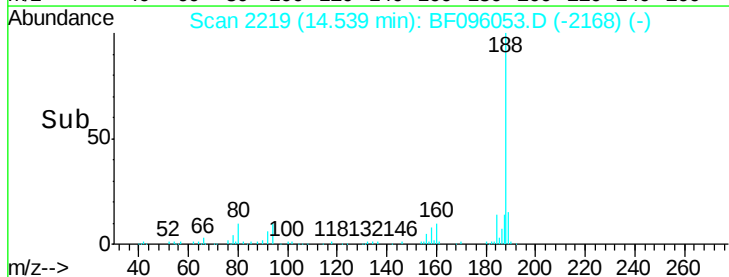
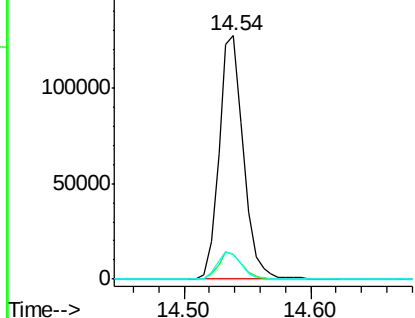


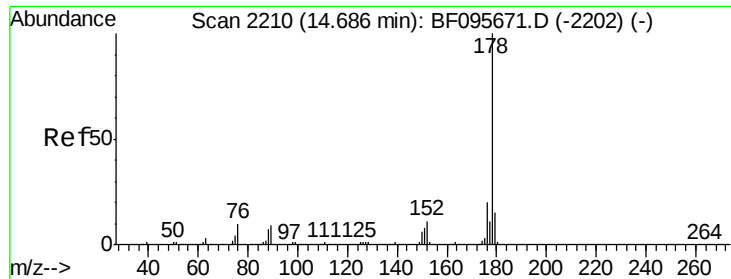
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.54 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF096053.D
Acq: 20 Jun 2017 19:43

Tgt Ion:188 Resp: 169122
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 10.3 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: 4.022 ng

RT: 14.57 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BF096053.D

Acq: 20 Jun 2017 19:43

Instrument :

BNA_F

ClientSampleId :

PL-01-061417-A

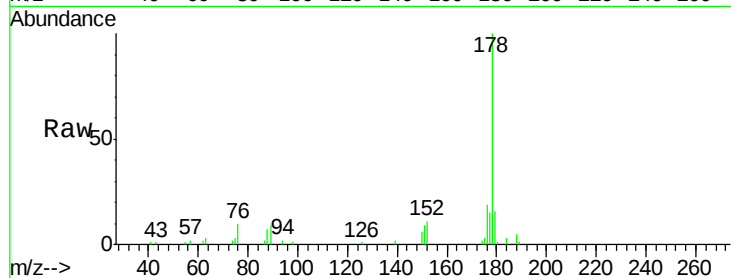
Tgt Ion:178 Resp: 39251

Ion Ratio Lower Upper

178 100

176 18.9 16.2 24.4

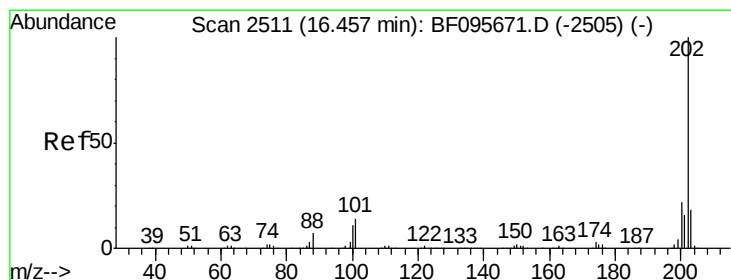
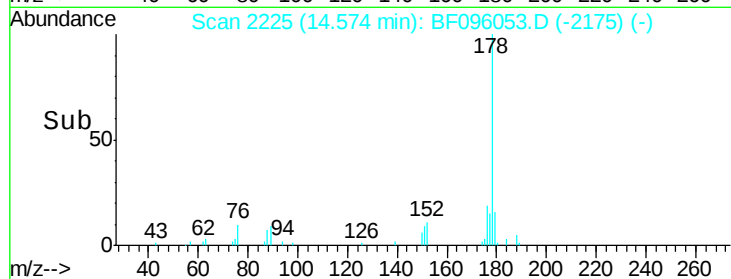
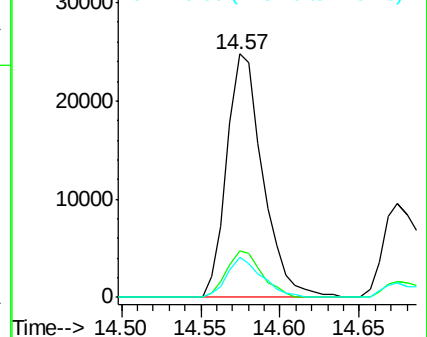
179 16.5 12.6 19.0



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: 5.685 ng

RT: 16.37 min Scan# 2530

Delta R.T. 0.00 min

Lab File: BF096053.D

Acq: 20 Jun 2017 19:43

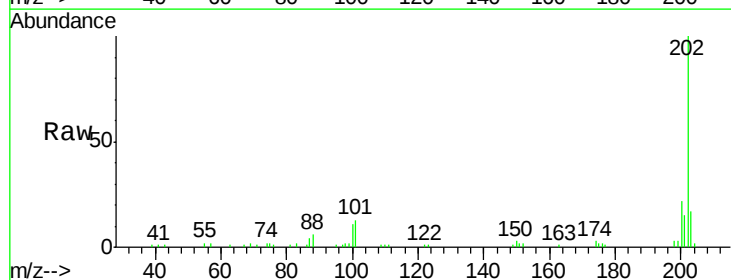
Tgt Ion:202 Resp: 54909

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.2

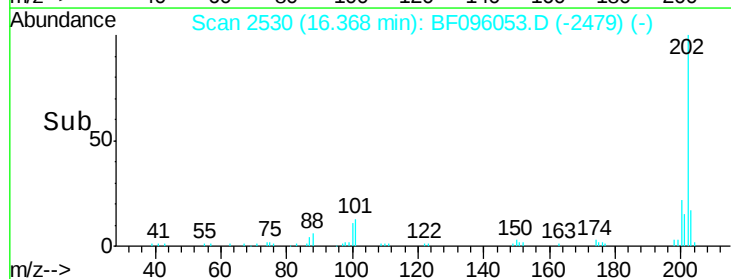
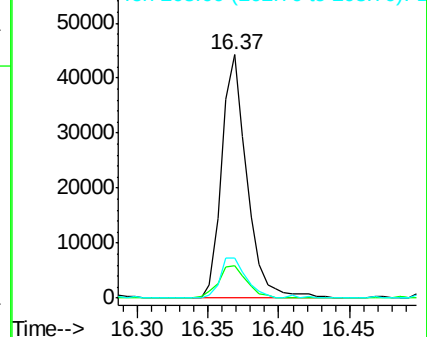
203 16.6 0.0 38.1

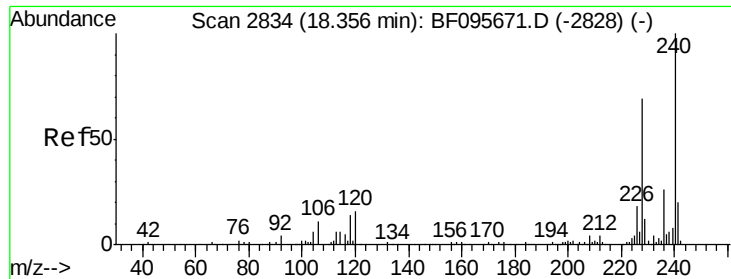


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF096053.D

Acq: 20 Jun 2017 19:43

Instrument :

BNA_F

ClientSampleId :

PL-01-061417-A

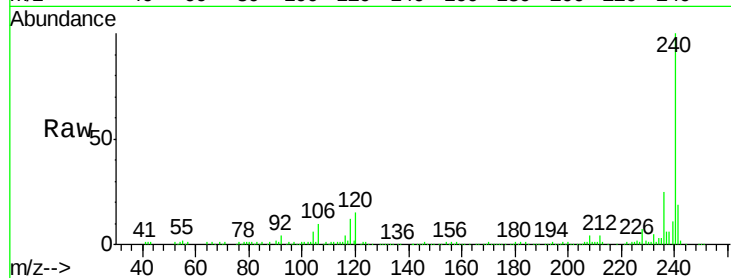
Tgt Ion:240 Resp: 143969

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

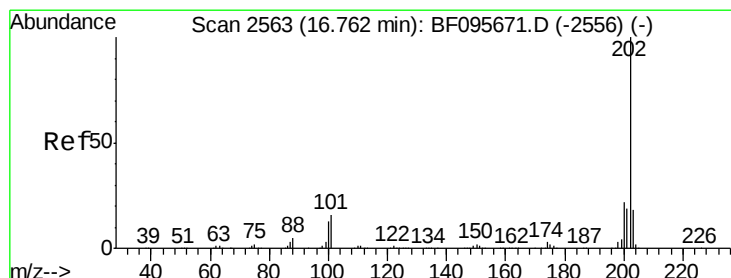
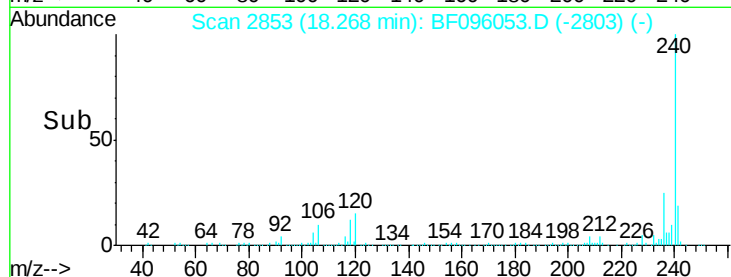
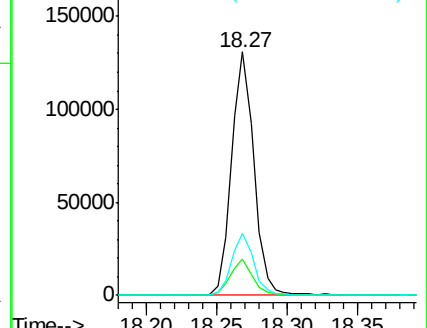
236 25.4 20.5 30.7



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

Pyrene

Concen: 4.902 ng

RT: 16.67 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BF096053.D

Acq: 20 Jun 2017 19:43

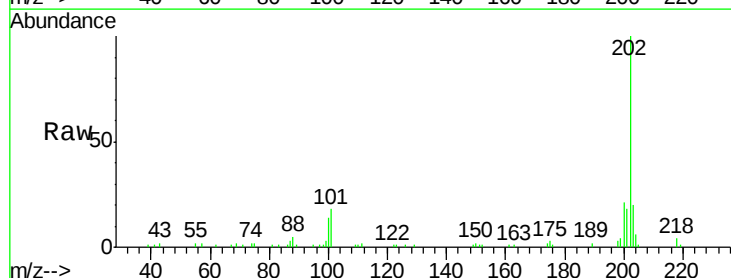
Tgt Ion:202 Resp: 52663

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

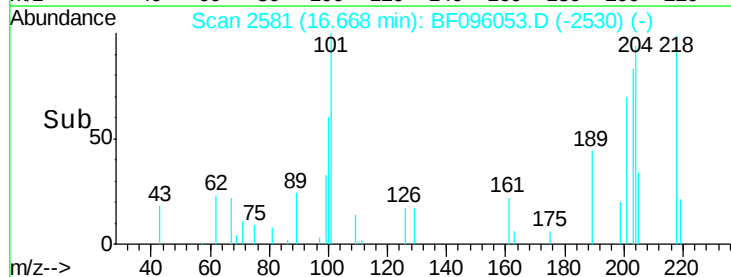
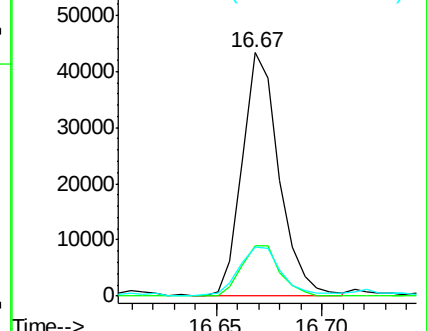
203 20.4 14.4 21.6

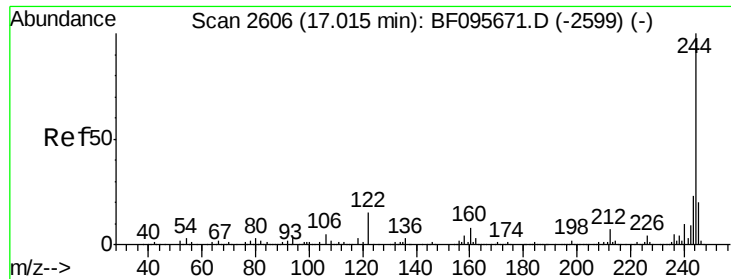


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

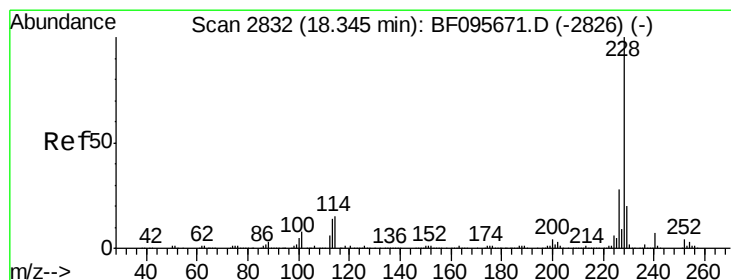
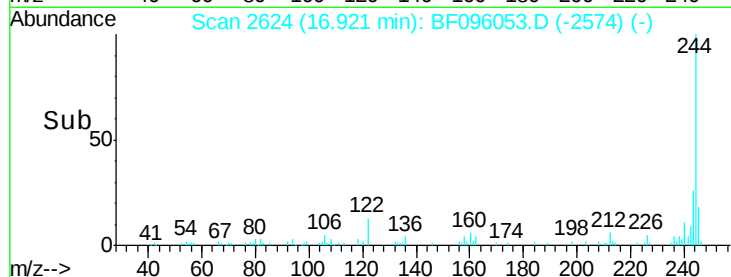
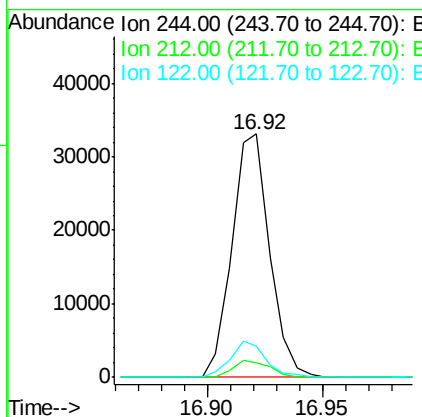
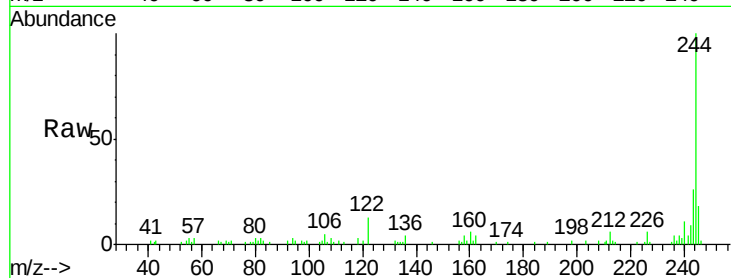




#78
 Terphenyl-d14
 Concen: 6.484 ng
 RT: 16.92 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: BF096053.D
 Acq: 20 Jun 2017 19:43

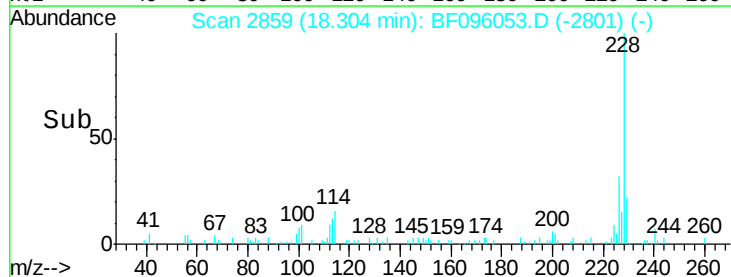
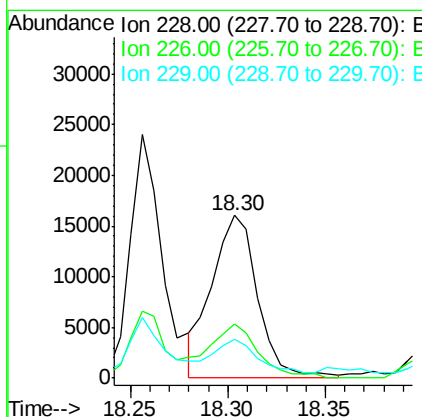
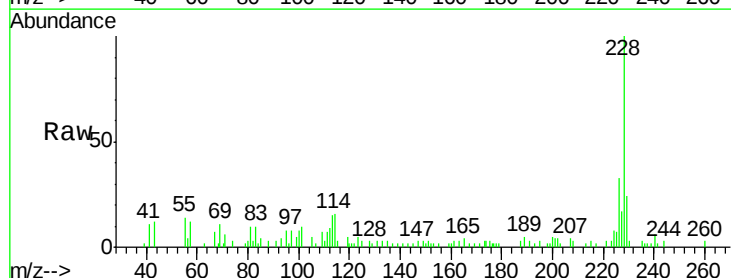
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-A

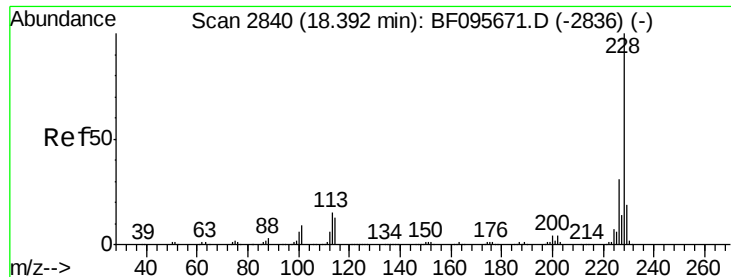
Tgt Ion:244 Resp: 37612
 Ion Ratio Lower Upper
 244 100
 212 5.7 6.0 9.0#
 122 13.0 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 3.140 ng
 RT: 18.30 min Scan# 2859
 Delta R.T. 0.04 min
 Lab File: BF096053.D
 Acq: 20 Jun 2017 19:43

Tgt Ion:228 Resp: 26280
 Ion Ratio Lower Upper
 228 100
 226 33.4 22.6 33.8
 229 23.9 16.3 24.5





#82

Chrysene

Concen: 3.142 ng

RT: 18.30 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BF096053.D

Acq: 20 Jun 2017 19:43

Instrument :

BNA_F

ClientSampleId :

PL-01-061417-A

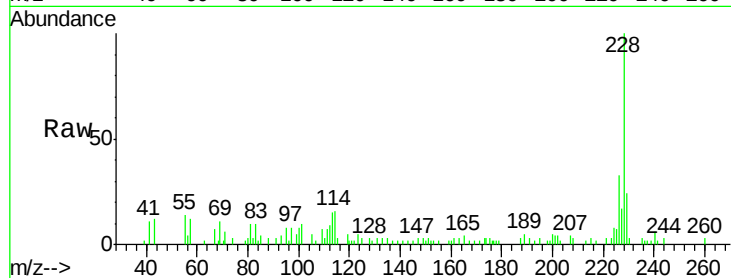
Tgt Ion:228 Resp: 26280

Ion Ratio Lower Upper

228 100

226 33.4 24.9 37.3

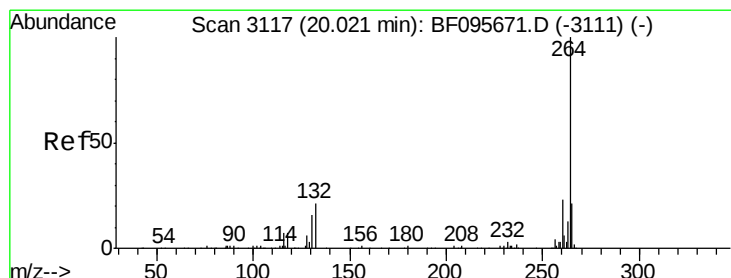
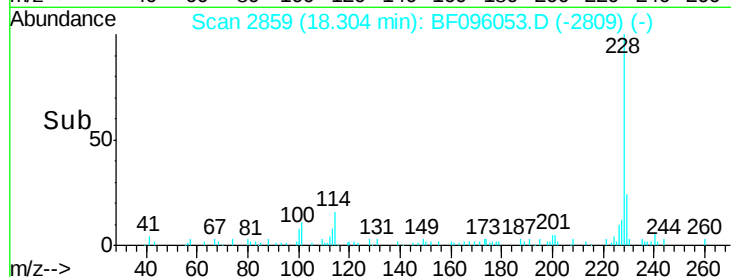
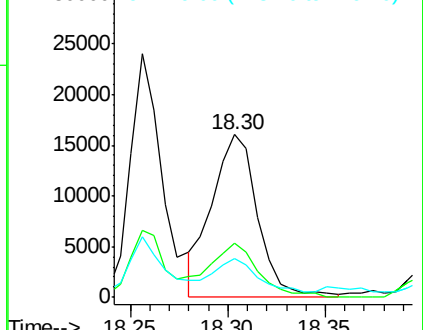
229 23.9 15.8 23.6#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 19.94 min Scan# 3137

Delta R.T. 0.00 min

Lab File: BF096053.D

Acq: 20 Jun 2017 19:43

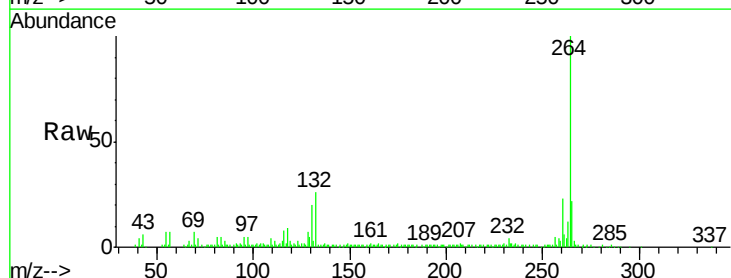
Tgt Ion:264 Resp: 104537

Ion Ratio Lower Upper

264 100

260 23.1 19.5 29.3

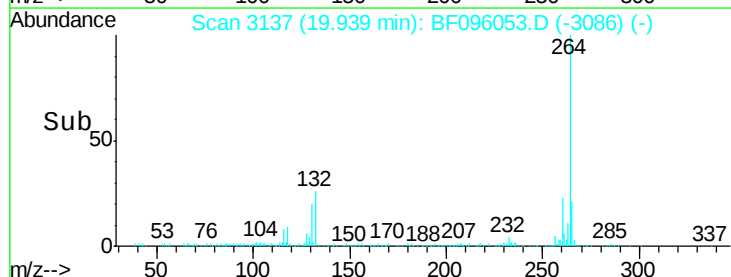
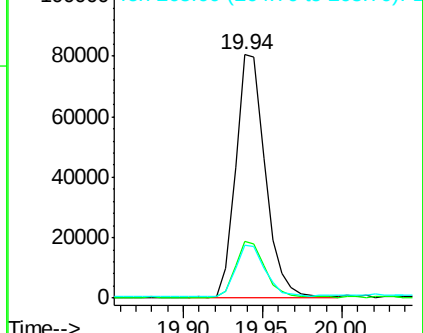
265 21.8 17.2 25.8

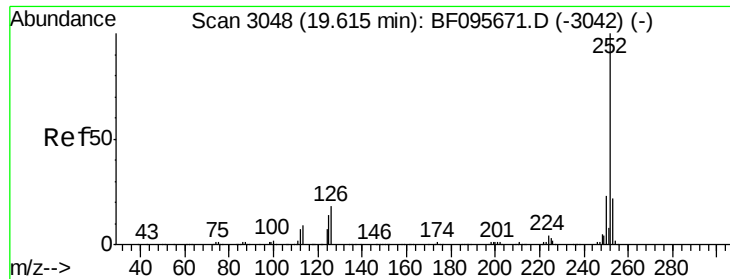


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.513 ng

RT: 19.54 min Scan# 3070

Delta R.T. 0.01 min

Lab File: BF096053.D

Acq: 20 Jun 2017 19:43

Instrument :

BNA_F

ClientSampleId :

PL-01-061417-A

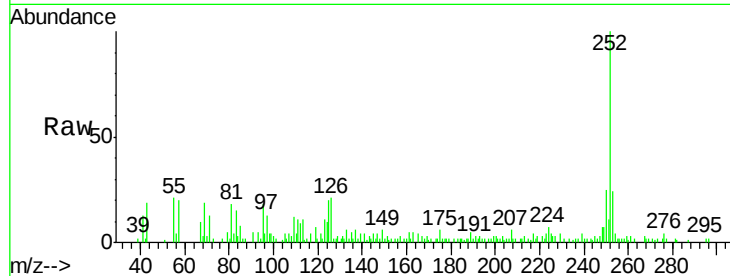
Tgt Ion:252 Resp: 42634

Ion Ratio Lower Upper

252 100

253 24.4 18.1 27.1

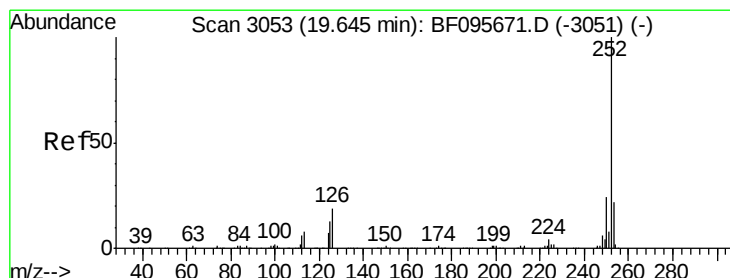
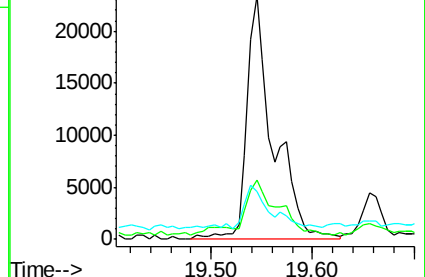
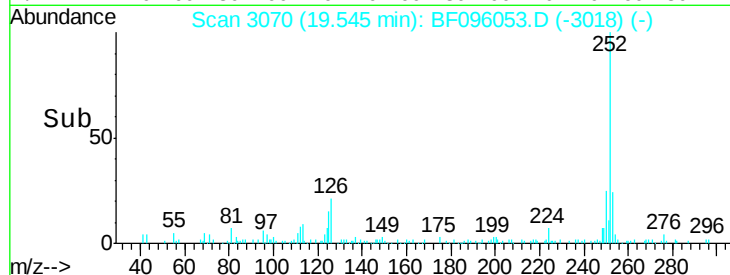
125 19.6 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 6.814 ng

RT: 19.54 min Scan# 3070

Delta R.T. -0.02 min

Lab File: BF096053.D

Acq: 20 Jun 2017 19:43

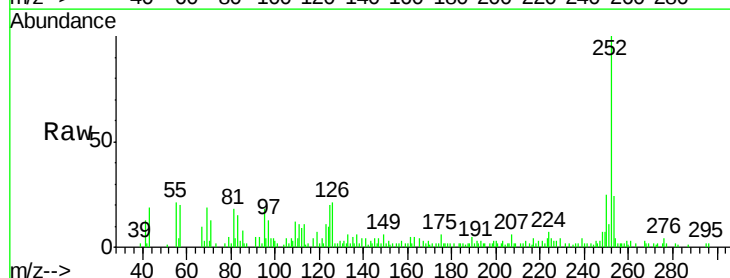
Tgt Ion:252 Resp: 42634

Ion Ratio Lower Upper

252 100

253 24.4 18.4 27.6

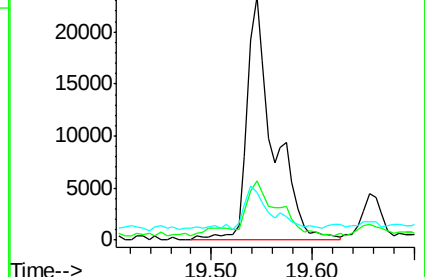
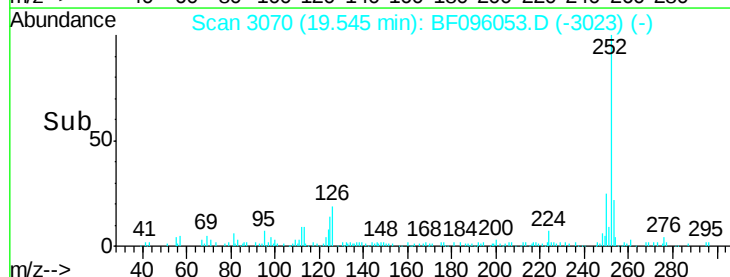
125 19.6 13.1 19.7

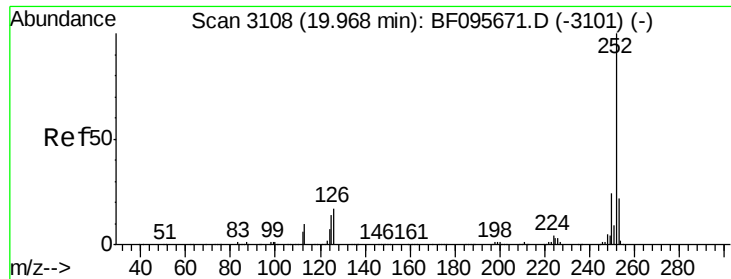


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.707 ng

RT: 19.89 min Scan# 3129

Delta R.T. 0.01 min

Lab File: BF096053.D

Acq: 20 Jun 2017 19:43

Instrument :

BNA_F

ClientSampleId :

PL-01-061417-A

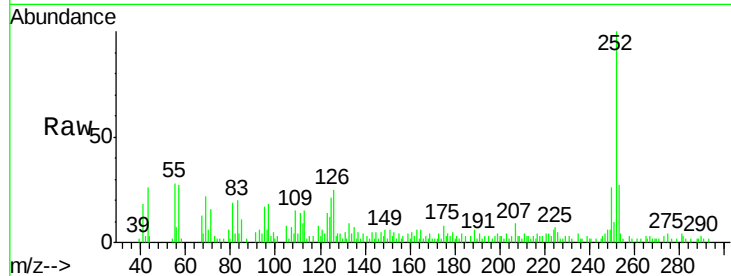
Tgt Ion:252 Resp: 22302

Ion Ratio Lower Upper

252 100

253 26.6 17.5 26.3#

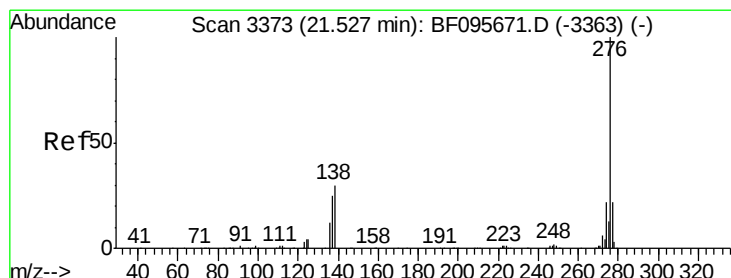
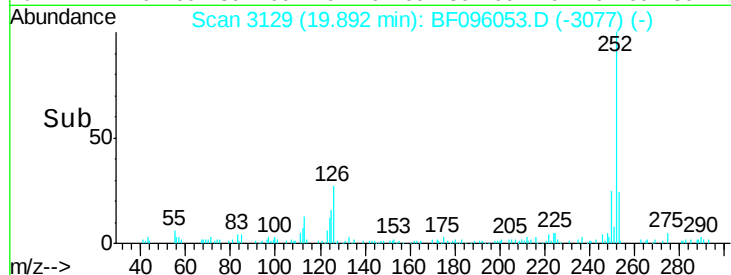
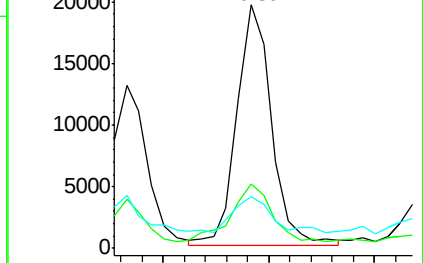
125 21.2 11.0 16.4#



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(g,h,i)perylene

Concen: 2.641 ng

RT: 21.45 min Scan# 3394

Delta R.T. 0.03 min

Lab File: BF096053.D

Acq: 20 Jun 2017 19:43

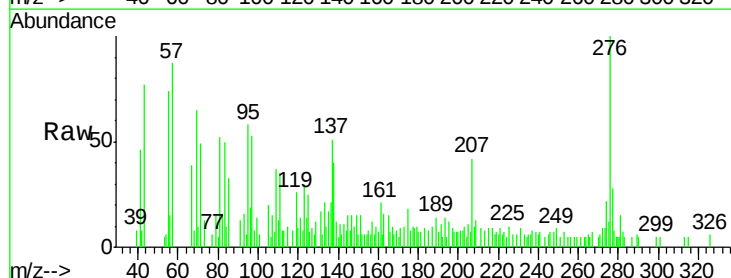
Tgt Ion:276 Resp: 13743

Ion Ratio Lower Upper

276 100

277 28.4 18.6 28.0#

138 40.2 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

