

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095426.D
 Acq On : 25 May 2017 16:39
 Operator : SJ/MA
 Sample : I3310-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 26 01:12:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

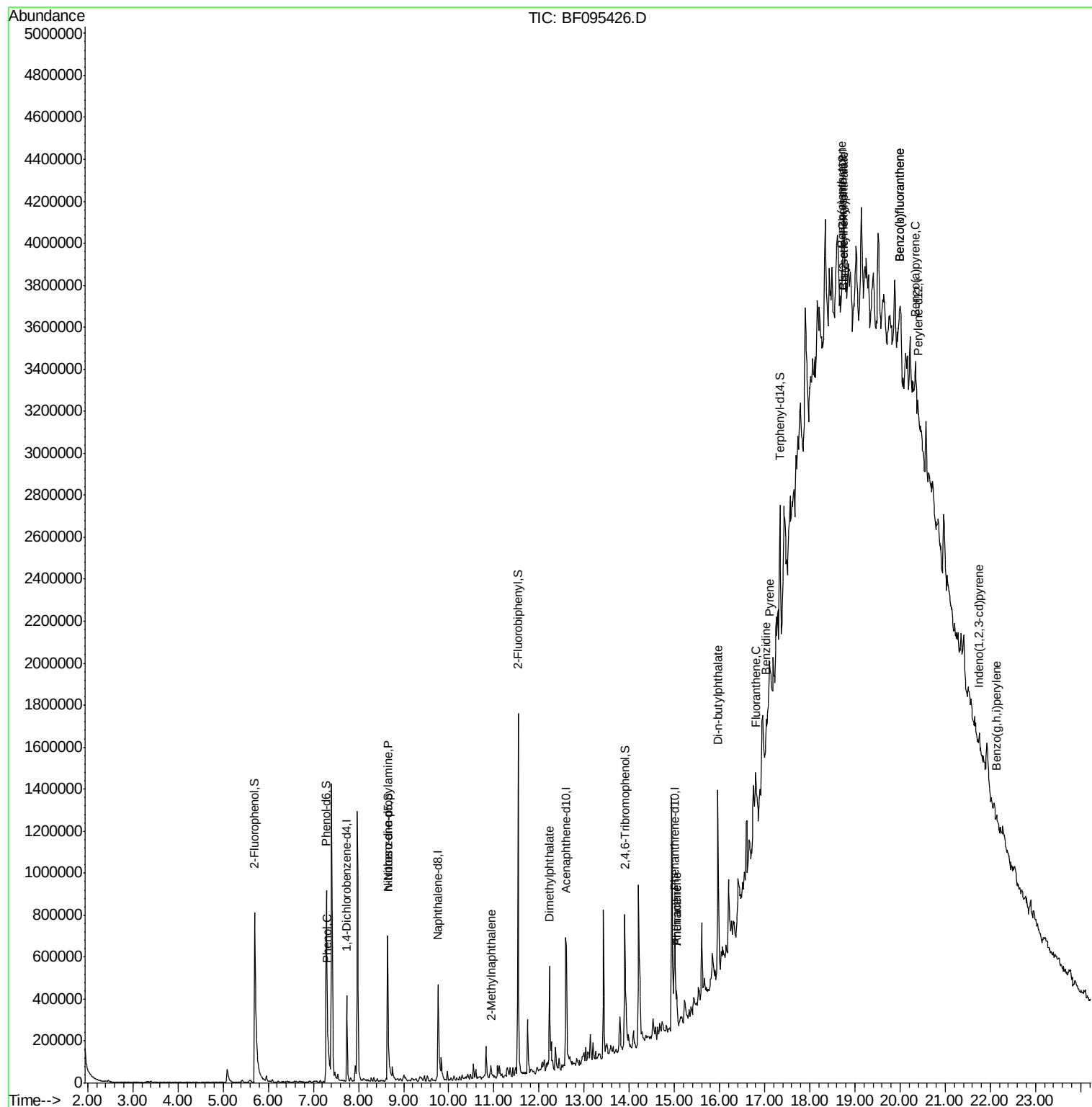
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	90253	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	376308	20.00	ng	-0.02
38) Acenaphthene-d10	12.59	164	166729	20.00	ng	-0.02
63) Phenanthrene-d10	15.01	188	248907	20.00	ng	-0.02
75) Chrysene-d12	18.71	240	124211	20.00	ng	0.02
86) Perylene-d12	20.39	264	125321	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	661370	122.17	ng	-0.04
7) Phenol-d6	7.29	99	799276	123.06	ng	-0.02
23) Nitrobenzene-d5	8.65	82	456329	76.47	ng	-0.02
41) 2,4,6-Tribromophenol	13.90	330	147066	107.70	ng	-0.02
44) 2-Fluorobiphenyl	11.54	172	815497	70.40	ng	-0.02
78) Terphenyl-d14	17.34	244	419435	74.38	ng	-0.01
Target Compounds						
10) Phenol	7.31	94	13978	2.04	ng	# 21
19) n-Nitroso-di-n-propylamine	8.65	70	56254	12.81	ng	# 74
37) 2-Methylnaphthalene	10.94	142	25878	2.08	ng	95
49) Dimethylphthalate	12.23	163	320024	23.38	ng	99
70) Phenanthrene	15.05	178	106466	7.44	ng	99
71) Anthracene	15.05	178	106466	7.29	ng	99
73) Di-n-butylphthalate	15.97	149	582586	35.15	ng	99
74) Fluoranthene	16.79	202	140912	9.61	ng	96
76) Benzidine	17.04	184	348	6.68	ng	# 1
77) Pyrene	17.10	202	142238	15.31	ng	# 92
80) Benzo(a)anthracene	18.70	228	51043	7.06	ng	# 84
82) Chrysene	18.74	228	46859	6.70	ng	# 90
83) Bis(2-ethylhexyl)phthalate	18.75	149	22502	3.66	ng	# 67
85) Indeno(1,2,3-cd)pyrene	21.75	276	39157	6.90	ng	# 86
87) Benzo(b)fluoranthene	19.99	252	85326	11.02	ng	# 1
88) Benzo(k)fluoranthene	19.99	252	85326	11.42	ng	# 1
89) Benzo(a)pyrene	20.34	252	49658	6.95	ng	# 1
91) Benzo(g,h,i)perylene	22.14	276	40197	6.94	ng	# 71

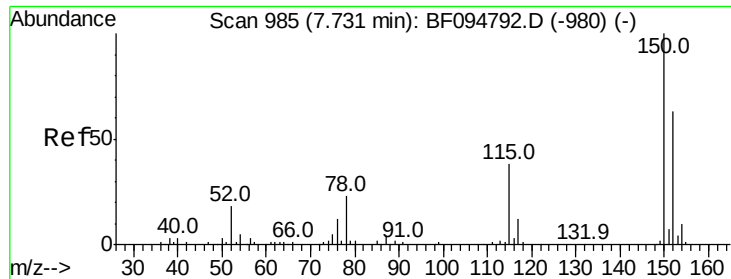
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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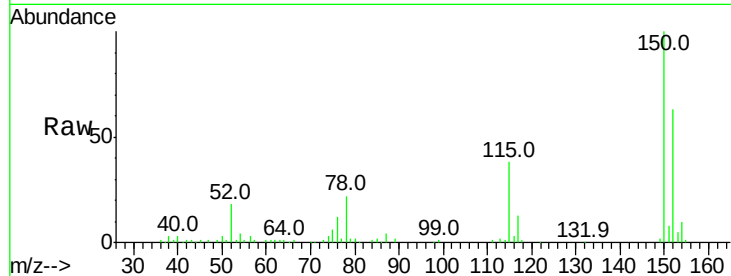


#1

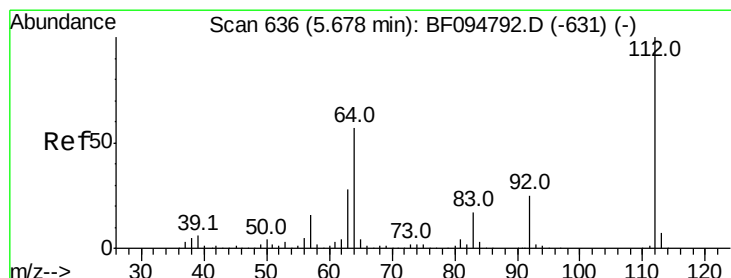
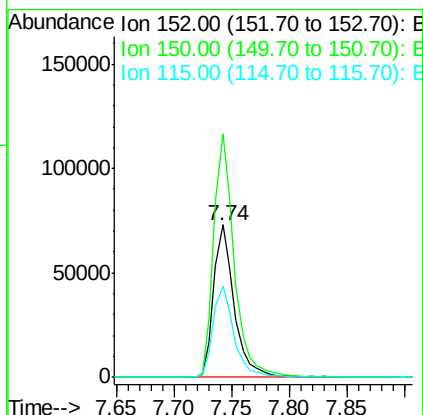
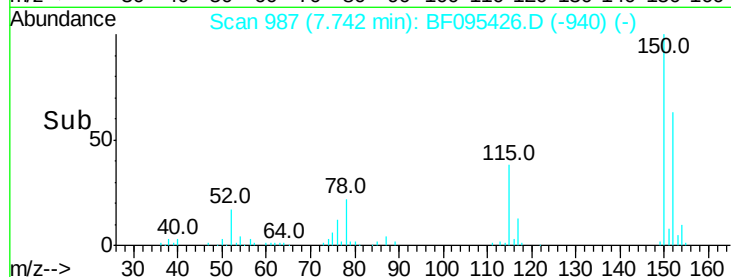
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF095426.D
Acq: 25 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 90253
Ion Ratio Lower Upper
152 100
150 159.7 126.2 189.2
115 60.2 52.2 78.2



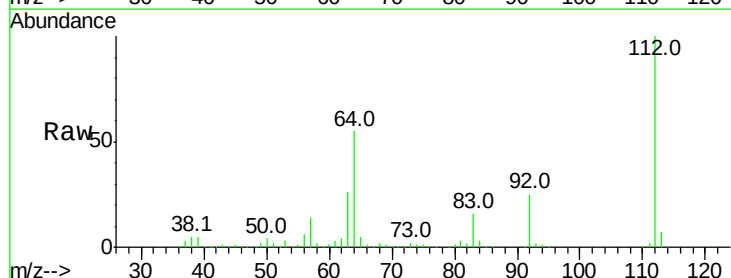
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



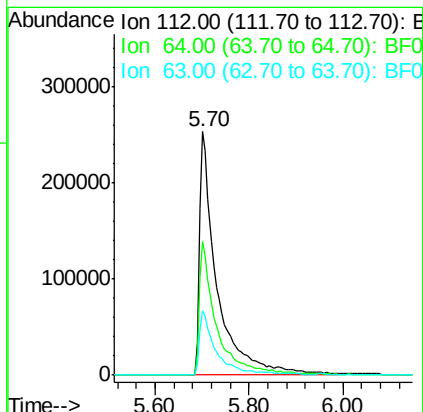
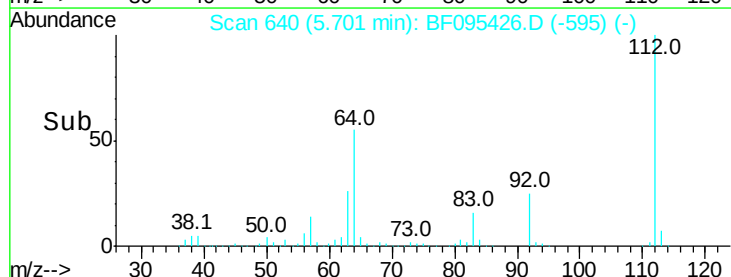
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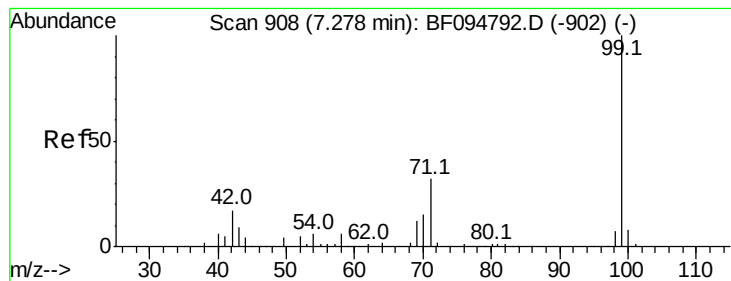
2-Fluorophenol
Concen: 122.17 ng
RT: 5.70 min Scan# 640
Delta R.T. -0.04 min
Lab File: BF095426.D
Acq: 25 May 2017 16:39

Tgt Ion:112 Resp: 661370
Ion Ratio Lower Upper
112 100
64 55.0 46.0 69.0
63 26.4 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: 123.06 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

ClientSampled :

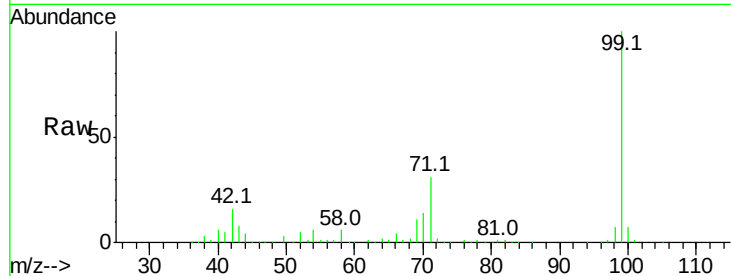
Tot Ion: 99 Resp: 799276

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

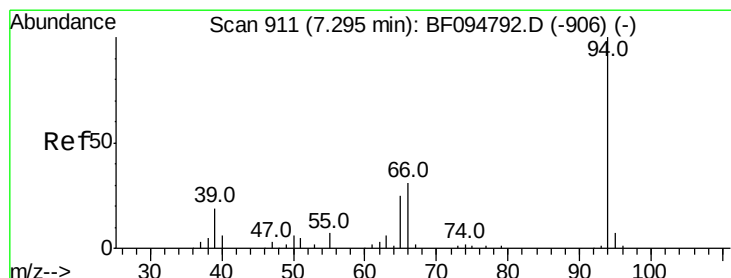
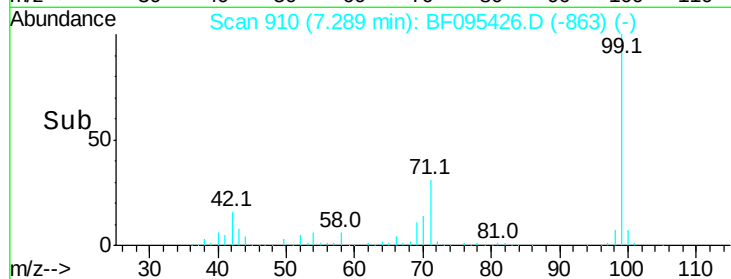
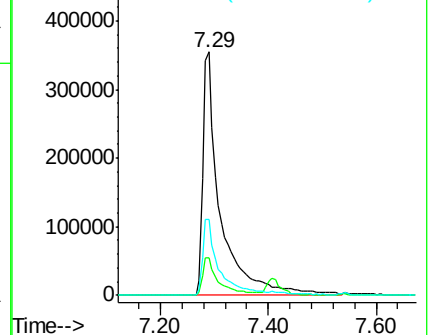
71 30.9 24.5 36.7



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: 2.04 ng

RT: 7.31 min Scan# 914

Delta R.T. -0.02 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

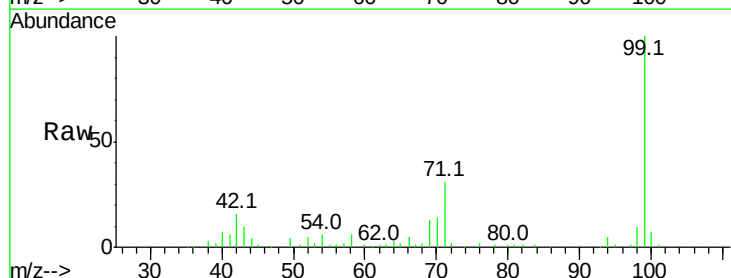
Tgt Ion: 94 Resp: 13978

Ion Ratio Lower Upper

94 100

65 45.2 9.9 49.9

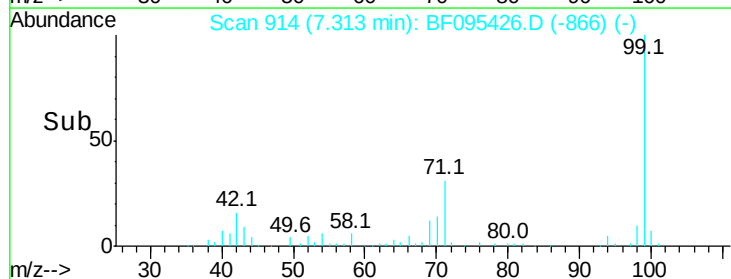
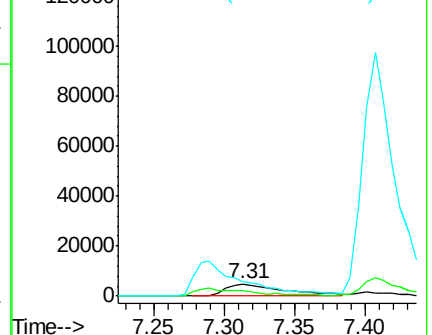
66 116.7 23.1 63.1#

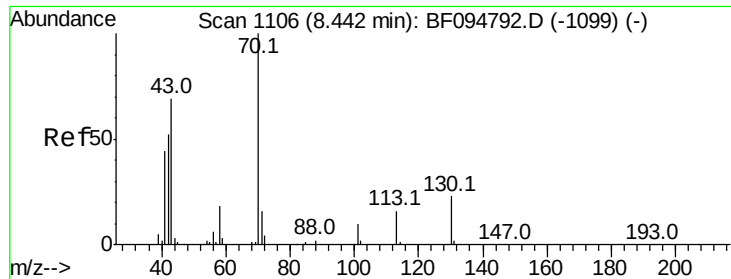


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

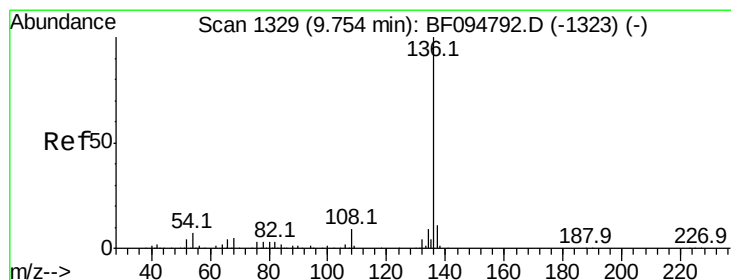
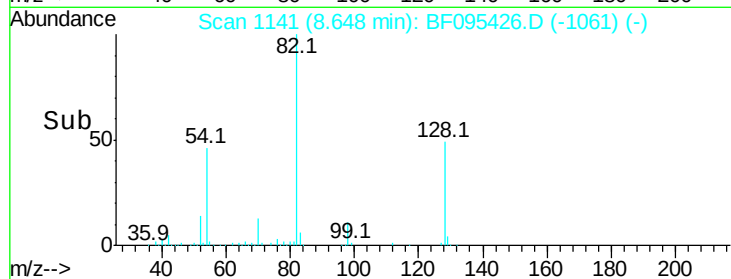
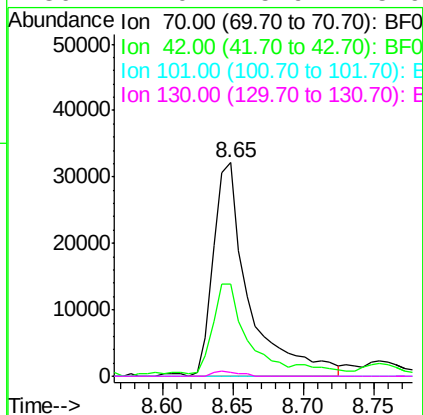
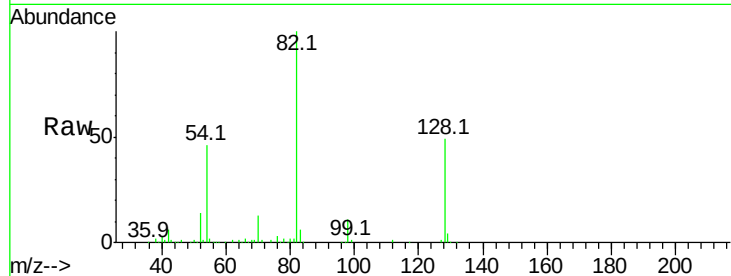




#19
n-Nitroso-di-n-propylamine
Concen: 12.81 ng
RT: 8.65 min Scan# 1141
Delta R.T. 0.17 min
Lab File: BF095426.D
Acq: 25 May 2017 16:39

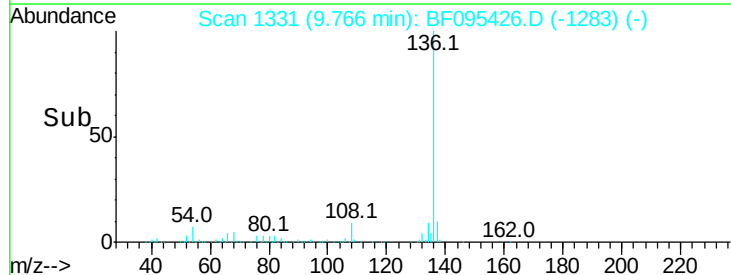
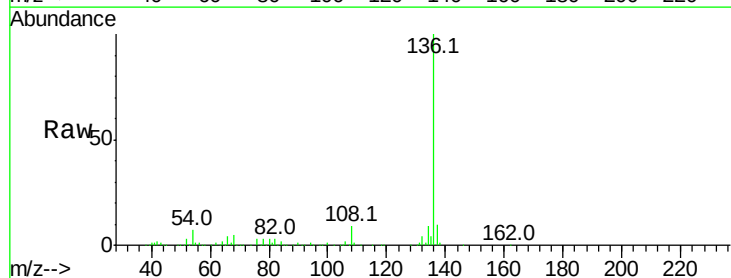
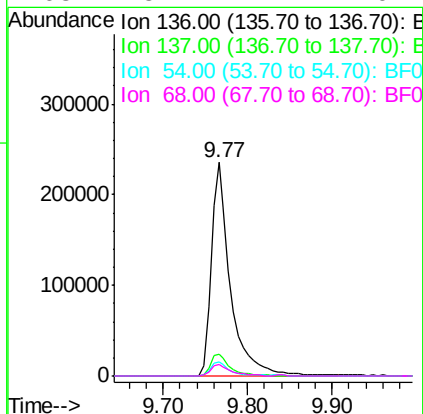
Instrument :
BNA_F
ClientSampleId :

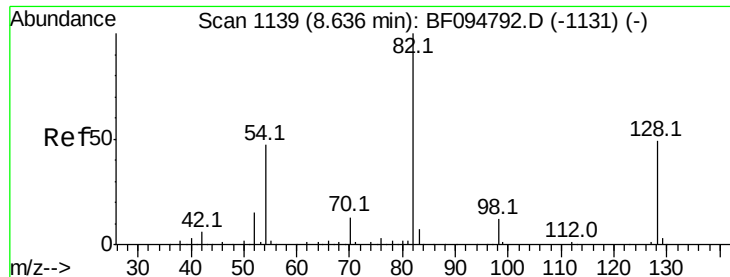
Tot Ion: 70 Resp: 56254
Ion Ratio Lower Upper
70 100
42 43.0 47.2 70.8#
101 0.0 7.2 10.8#
130 2.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.77 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF095426.D
Acq: 25 May 2017 16:39

Tgt Ion: 136 Resp: 376308
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 6.7 4.9 7.3
68 5.4 4.1 6.1

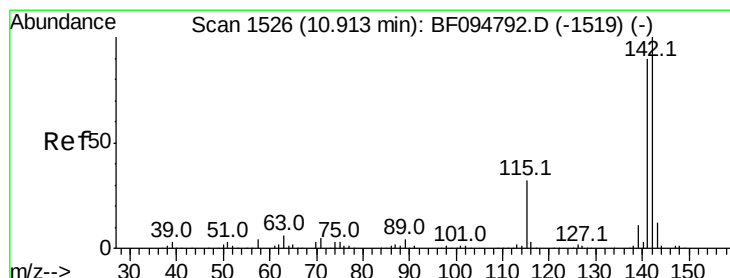
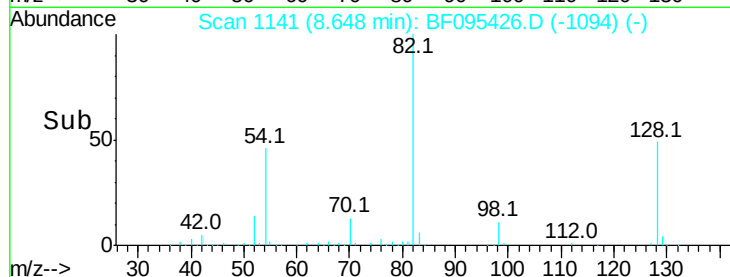
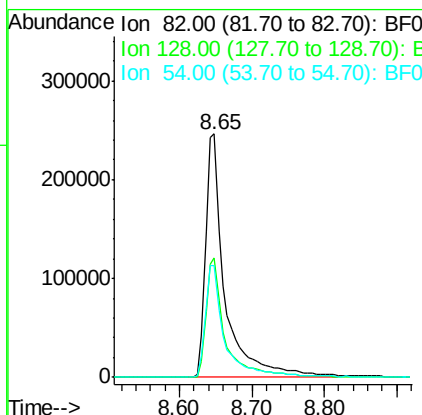
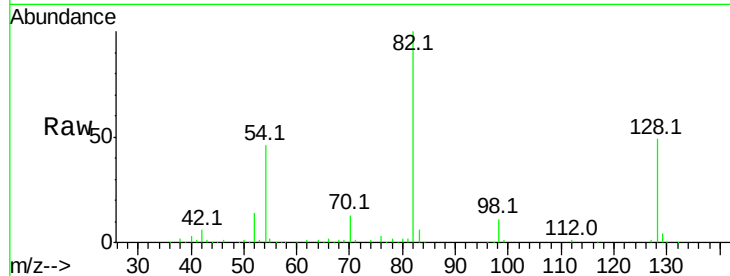




#23
 Nitrobenzene-d5
 Concen: 76.47 ng
 RT: 8.65 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF095426.D
 Acq: 25 May 2017 16:39

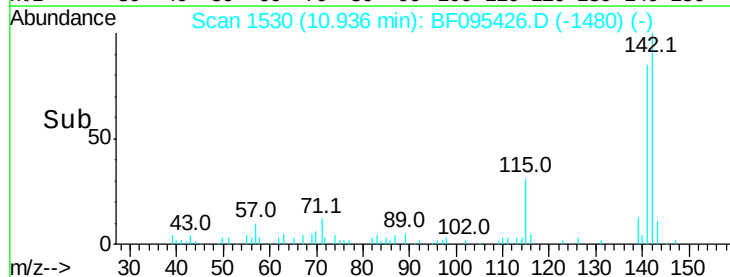
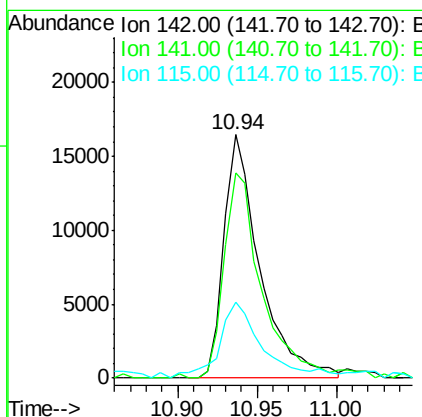
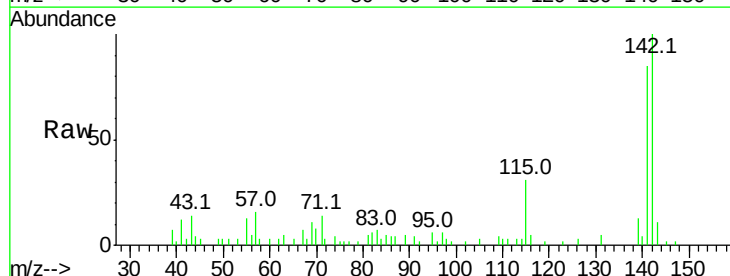
Instrument :
 BNA_F
 ClientSampleId :

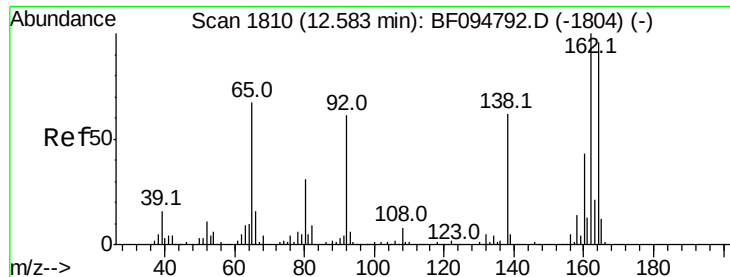
Tot Ion	82	Resp	456329
Ion Ratio	100	Lower	Upper
128	48.9	34.0	51.0
54	46.0	42.2	63.2



#37
 2-Methylnaphthalene
 Concen: 2.08 ng
 RT: 10.94 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: BF095426.D
 Acq: 25 May 2017 16:39

Tgt Ion	142	Resp	25878
Ion Ratio	100	Lower	Upper
141	84.5	71.3	106.9
115	31.0	27.1	40.7

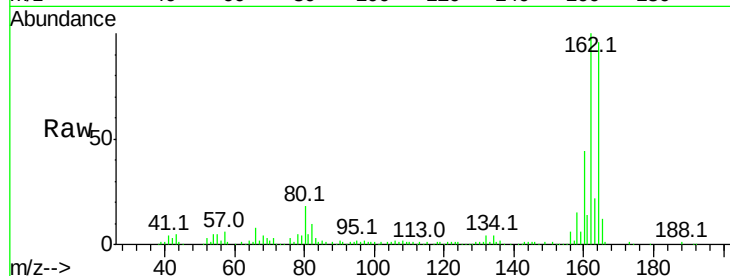




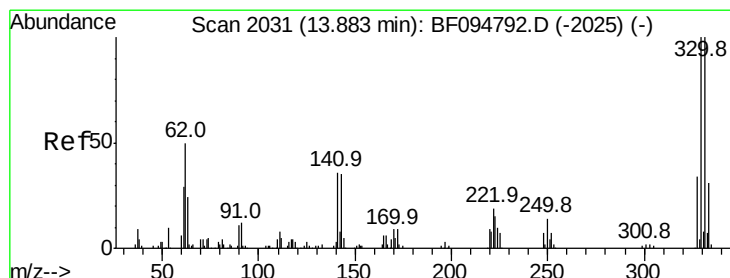
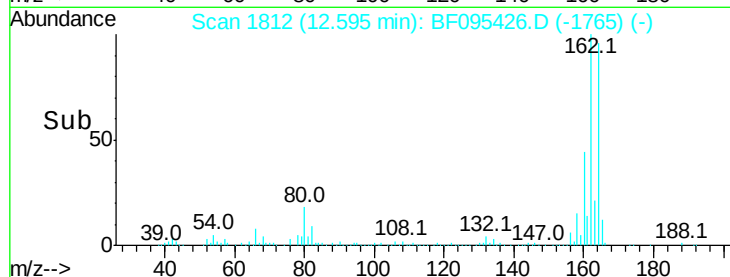
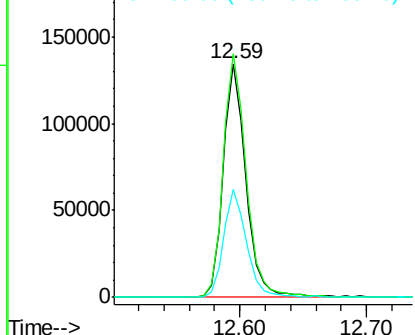
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1812
Delta R.T. -0.02 min
Lab File: BF095426.D
Acq: 25 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 166729
Ion Ratio Lower Upper
164 100
162 104.1 82.6 123.8
160 45.9 36.2 54.2

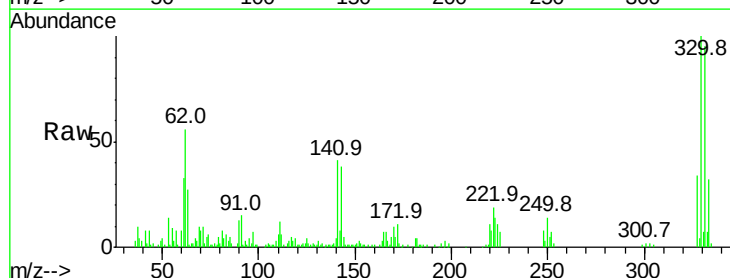


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

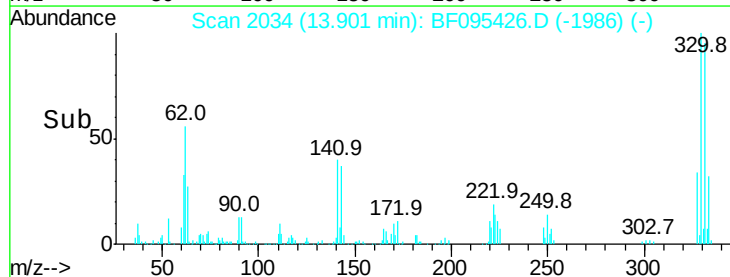
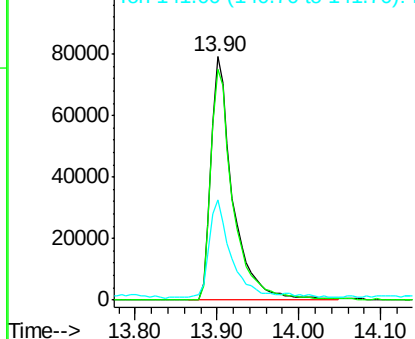


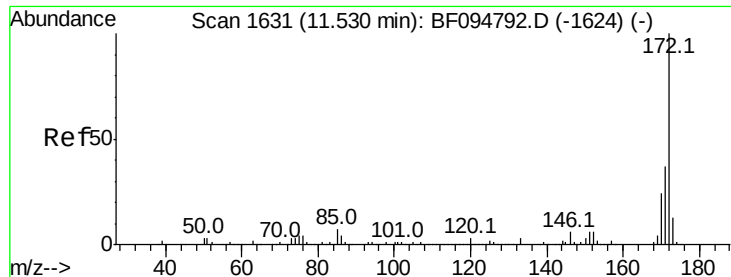
#41
2,4,6-Tribromophenol
Concen: 107.70 ng
RT: 13.90 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF095426.D
Acq: 25 May 2017 16:39

Tgt Ion:330 Resp: 147066
Ion Ratio Lower Upper
330 100
332 96.1 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

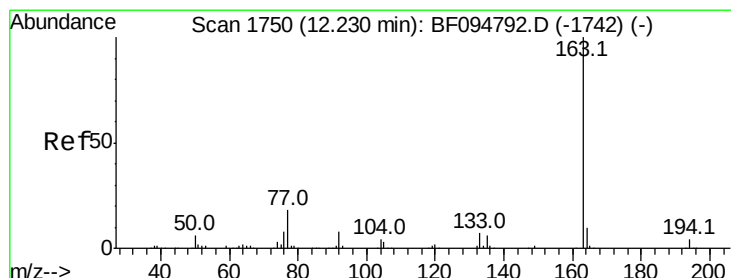
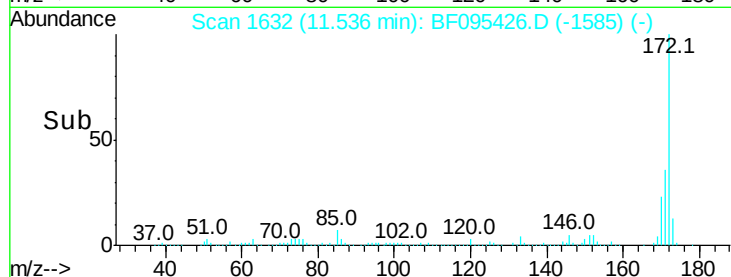
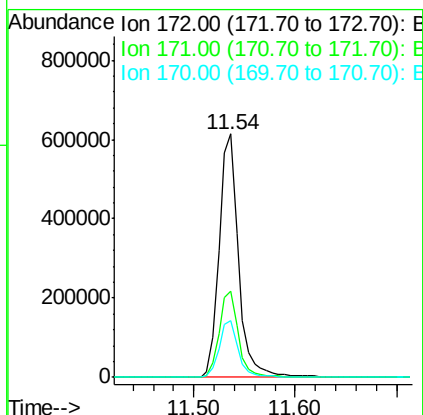
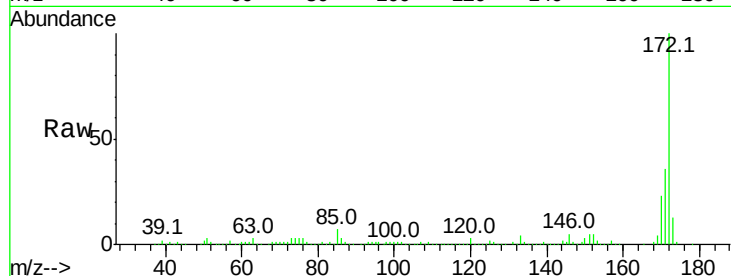




#44
2-Fluorobiphenyl
Concen: 70.40 ng
RT: 11.54 min Scan# 1632
Delta R.T. -0.02 min
Lab File: BF095426.D
Acq: 25 May 2017 16:39

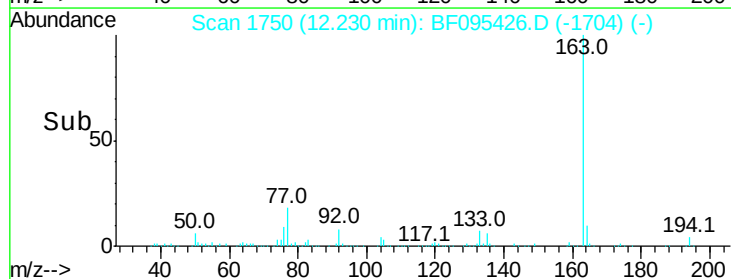
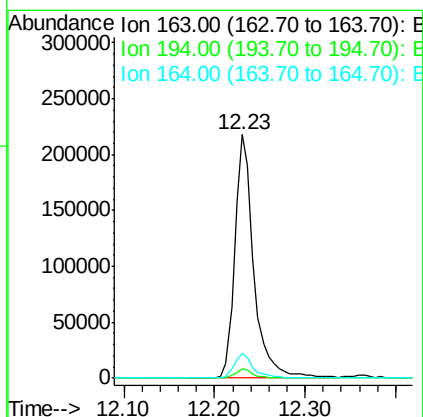
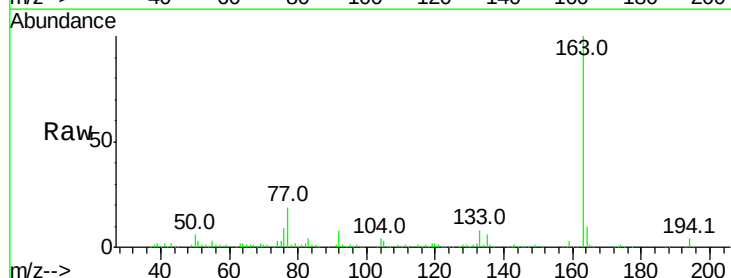
Instrument :
BNA_F
ClientSampleId :

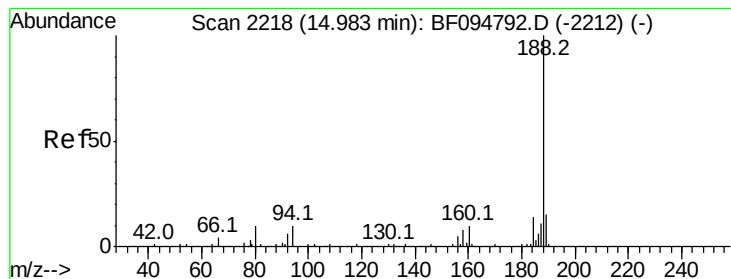
Tot Ion:172 Resp: 815497
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.3 19.8 29.8



#49
Dimethylphthalate
Concen: 23.38 ng
RT: 12.23 min Scan# 1750
Delta R.T. -0.03 min
Lab File: BF095426.D
Acq: 25 May 2017 16:39

Tgt Ion:163 Resp: 320024
Ion Ratio Lower Upper
163 100
194 3.8 2.6 4.0
164 10.2 8.4 12.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.01 min Scan# 2222

Delta R.T. -0.02 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

ClientSampleId :

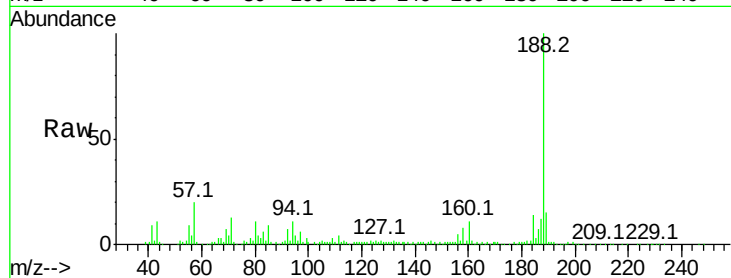
Tot Ion:188 Resp: 248907

Ion Ratio Lower Upper

188 100

94 11.2 9.4 14.2

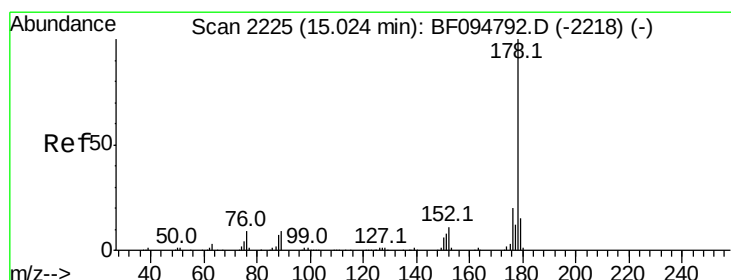
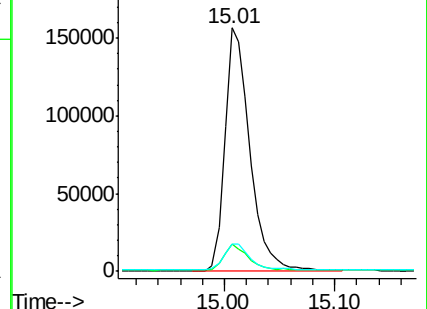
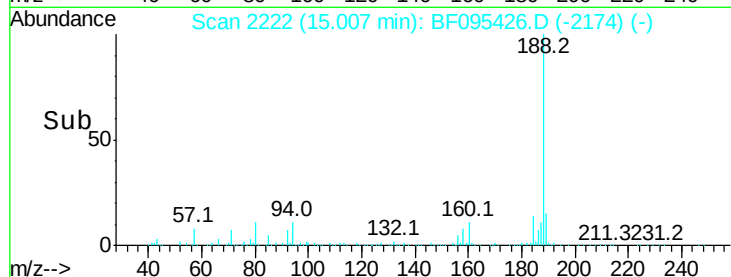
80 11.1 10.2 15.2



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: 7.44 ng

RT: 15.05 min Scan# 2229

Delta R.T. -0.02 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

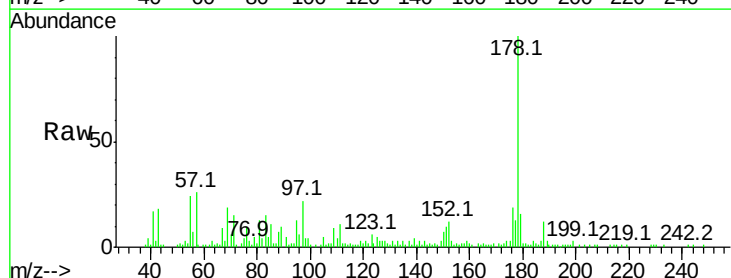
Tgt Ion:178 Resp: 106466

Ion Ratio Lower Upper

178 100

176 19.3 16.2 24.4

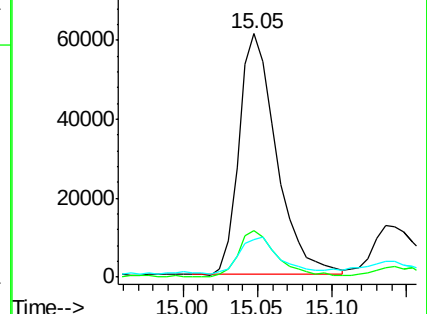
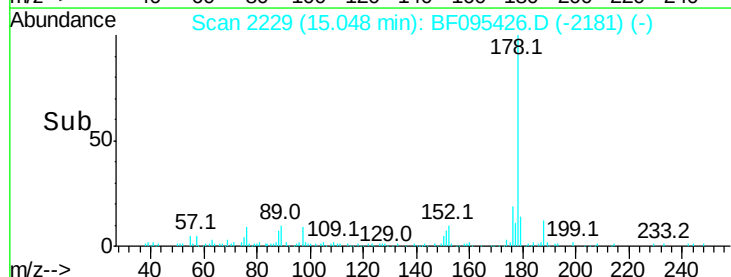
179 15.6 12.6 19.0

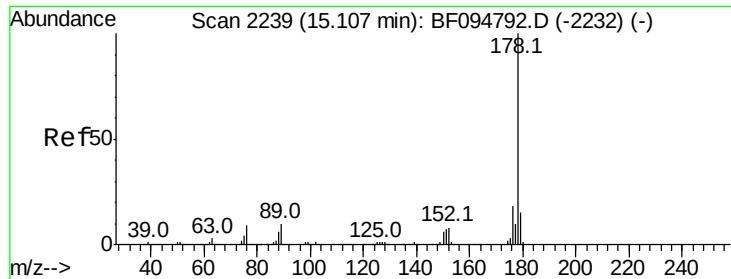


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 7.29 ng

RT: 15.05 min Scan# 2229

Delta R.T. -0.09 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

ClientSampled :

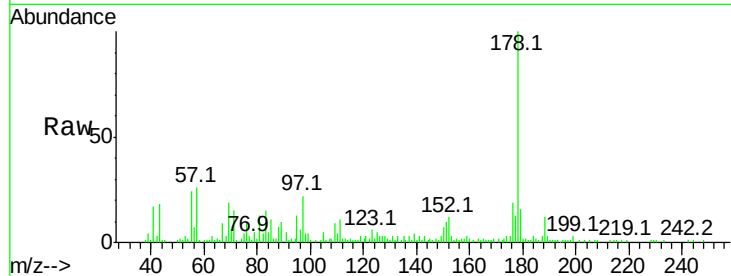
Tot Ion:178 Resp: 106466

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

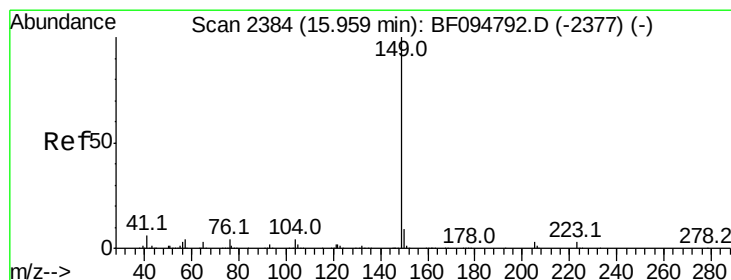
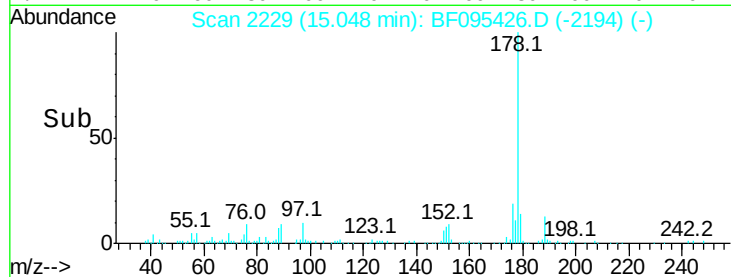
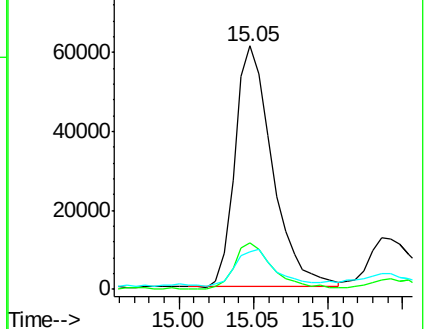
179 15.6 12.7 19.1



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



#73

Di-n-butylphthalate

Concen: 35.15 ng

RT: 15.97 min Scan# 2385

Delta R.T. -0.02 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

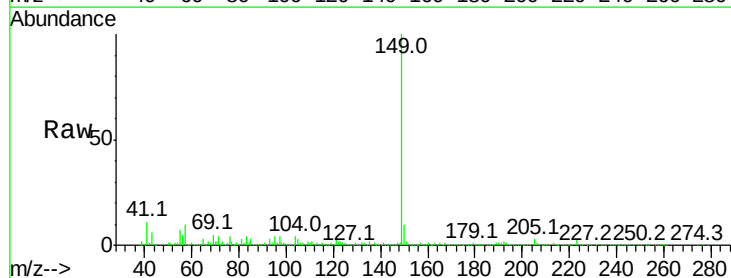
Tgt Ion:149 Resp: 582586

Ion Ratio Lower Upper

149 100

150 9.6 7.7 11.5

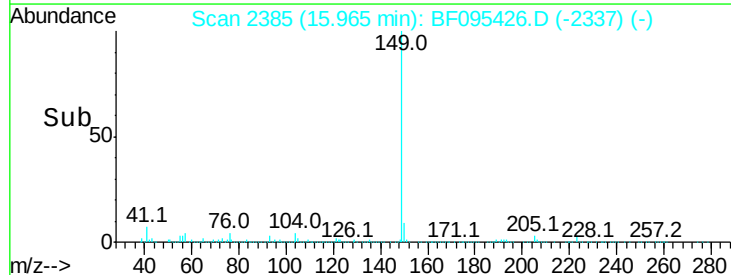
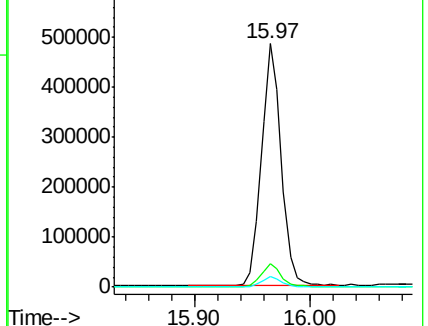
104 4.3 4.0 6.0

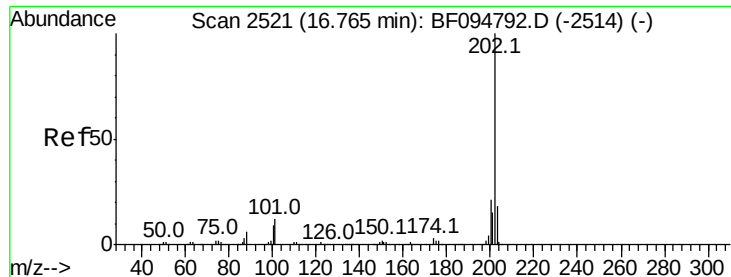


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 9.61 ng

RT: 16.79 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

ClientSampleId :

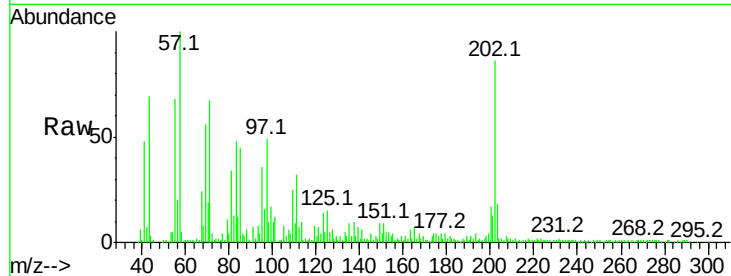
Tot Ion:202 Resp: 140912

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.2

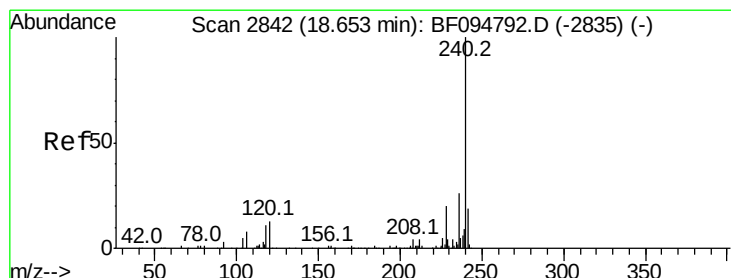
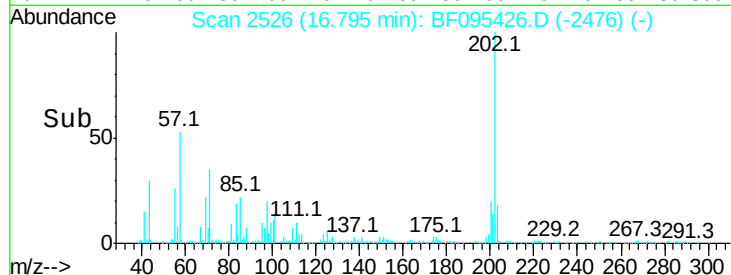
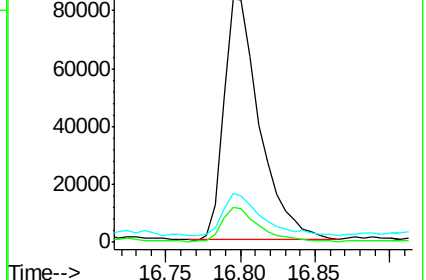
203 20.4 0.0 38.1



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: 20.00 ng

RT: 18.71 min Scan# 2852

Delta R.T. 0.02 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

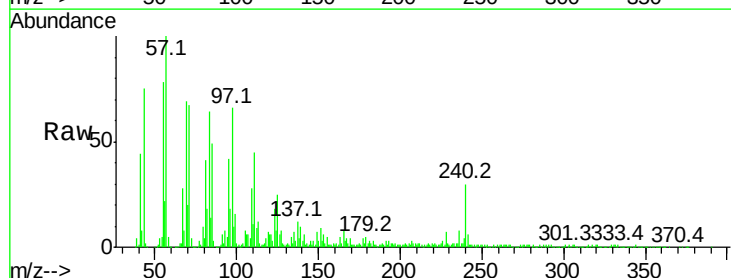
Tgt Ion:240 Resp: 124211

Ion Ratio Lower Upper

240 100

120 20.5 5.8 8.8#

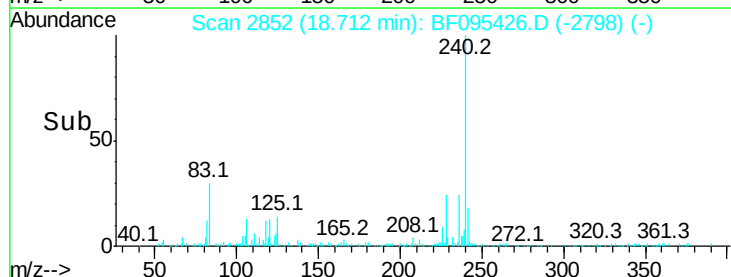
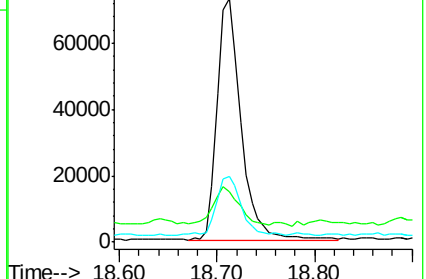
236 27.1 20.5 30.7

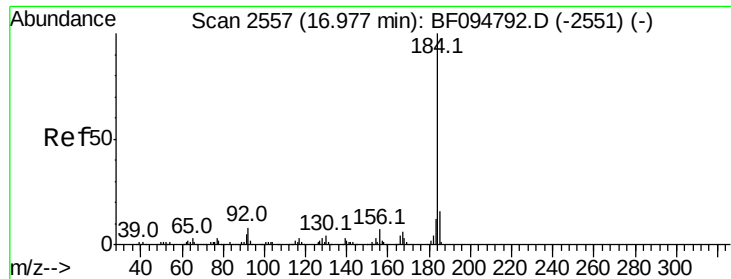


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.68 ng

RT: 17.04 min Scan# 2568

Delta R.T. 0.02 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

ClientSampled :

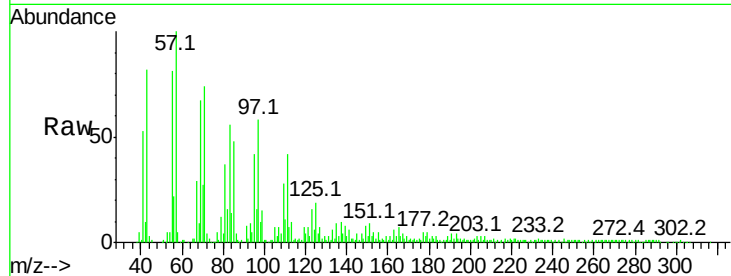
Tot Ion:184 Resp: 348

Ion Ratio Lower Upper

184 100

185 119.0 15.5 23.3#

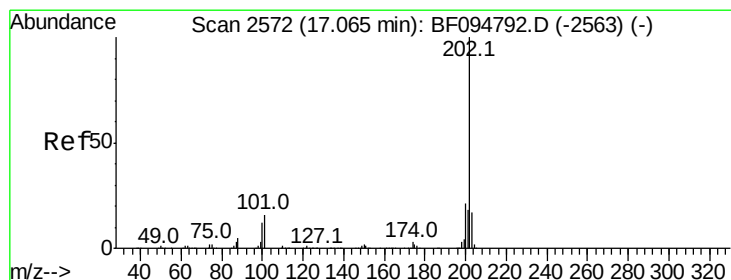
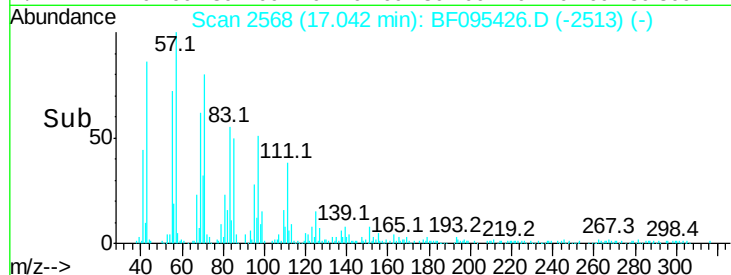
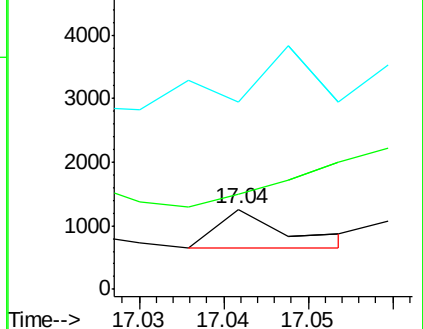
183 234.4 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 15.31 ng

RT: 17.10 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

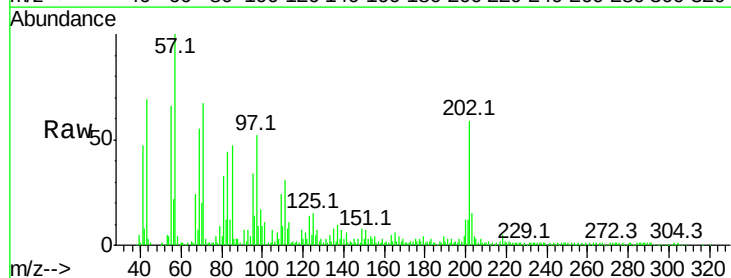
Tgt Ion:202 Resp: 142238

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

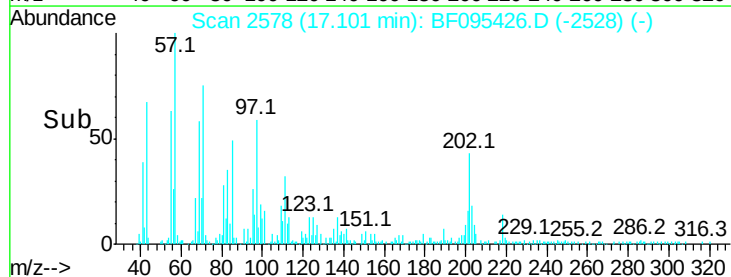
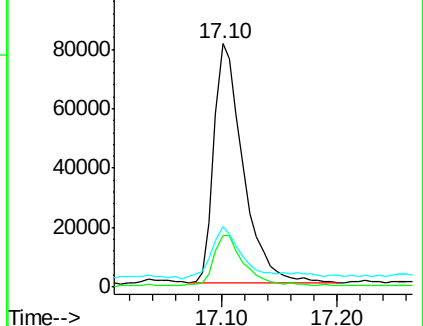
203 24.8 14.4 21.6#

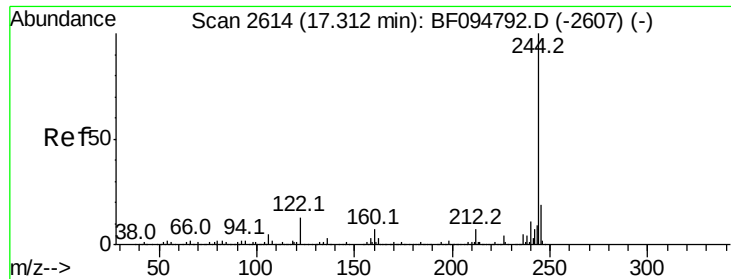


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 74.38 ng

RT: 17.34 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

ClientSampleId :

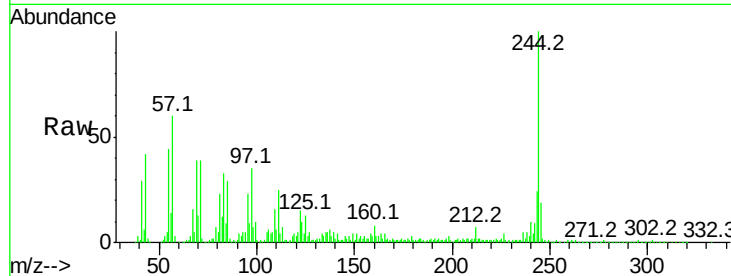
Tot Ion:244 Resp: 419435

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

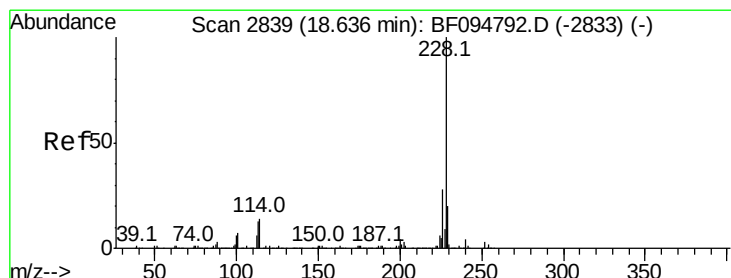
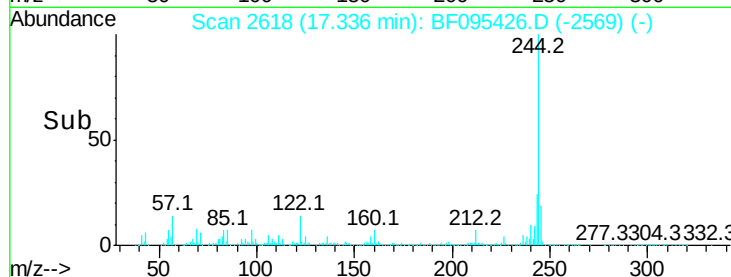
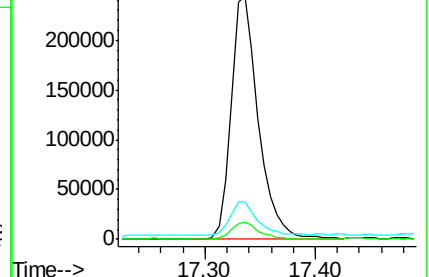
122 15.3 10.3 15.5



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: 7.06 ng

RT: 18.70 min Scan# 2850

Delta R.T. 0.02 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

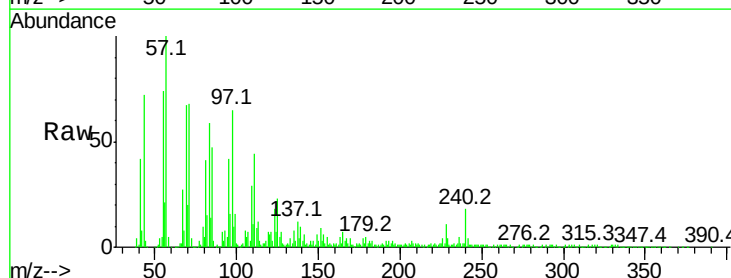
Tgt Ion:228 Resp: 51043

Ion Ratio Lower Upper

228 100

226 33.3 22.6 33.8

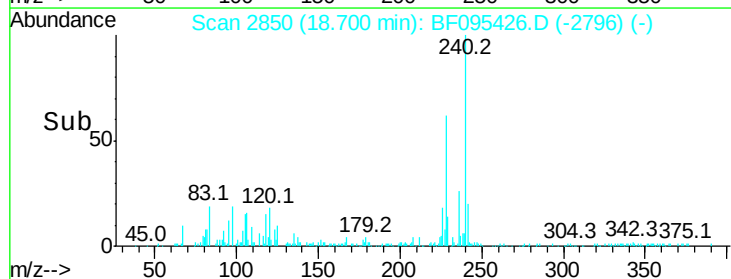
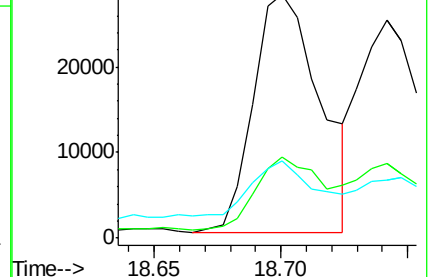
229 31.9 16.3 24.5#

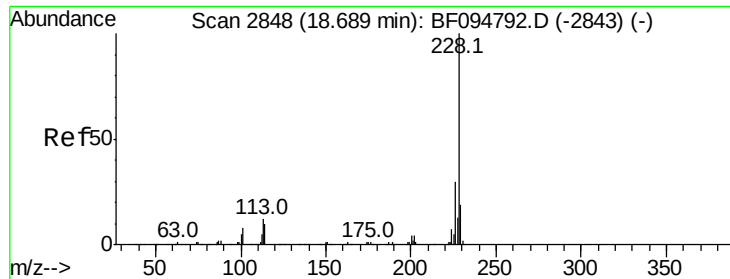


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.70 ng

RT: 18.74 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

ClientSampleId :

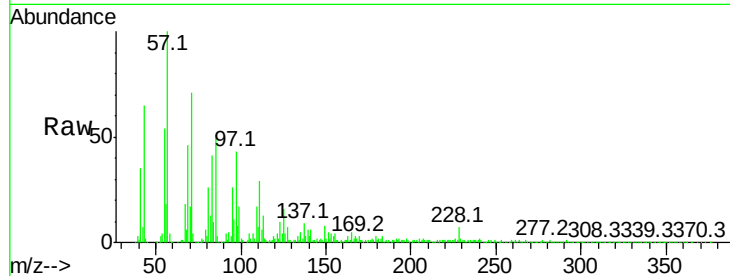
Tot Ion:228 Resp: 46859

Ion Ratio Lower Upper

228 100

226 34.3 24.9 37.3

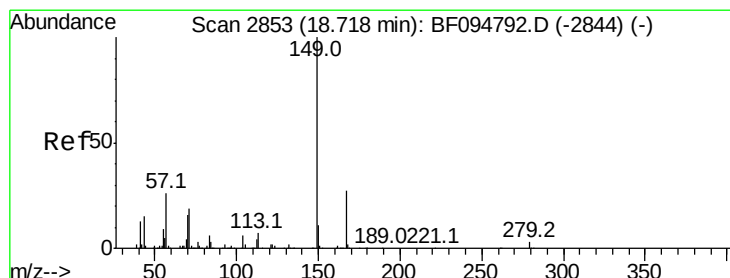
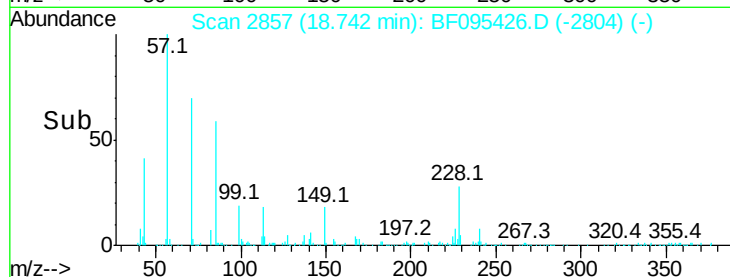
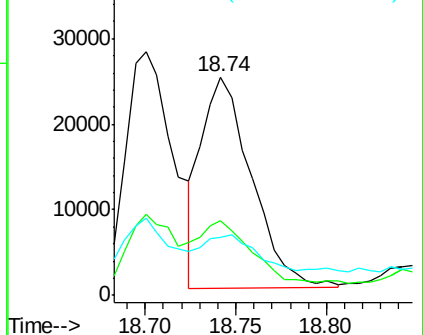
229 26.8 15.8 23.6#



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: 3.66 ng

RT: 18.75 min Scan# 2858

Delta R.T. 0.01 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

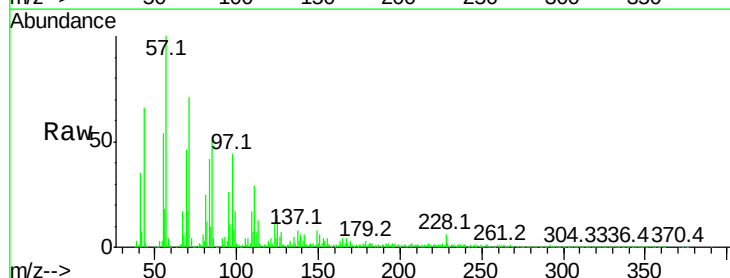
Tgt Ion:149 Resp: 22502

Ion Ratio Lower Upper

149 100

167 44.4 21.0 31.4#

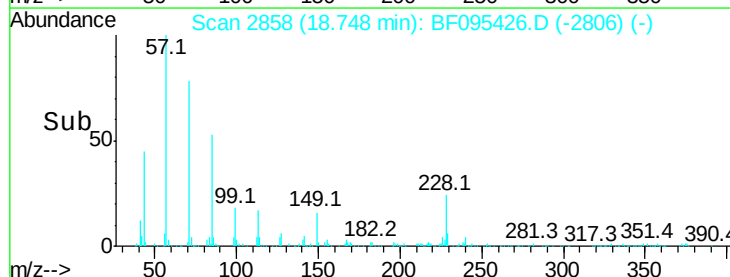
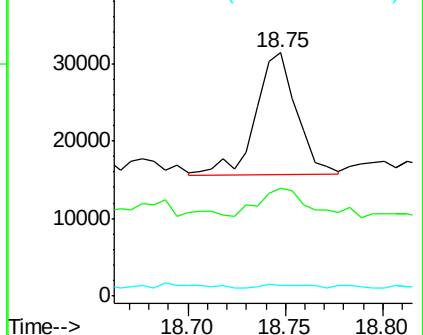
279 4.6 1.9 2.9#

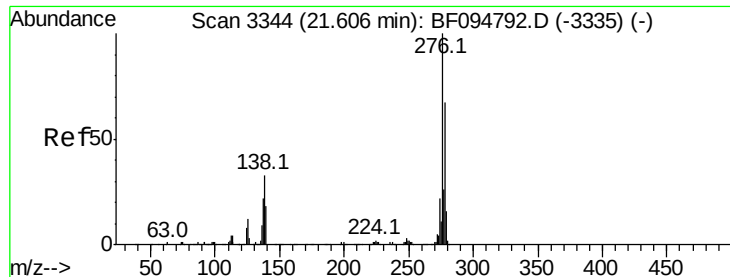


Abundance Ion 149.00 (148.70 to 149.70): E

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: 6.90 ng

RT: 21.75 min Scan# 3369

Delta R.T. 0.05 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

ClientSampleId :

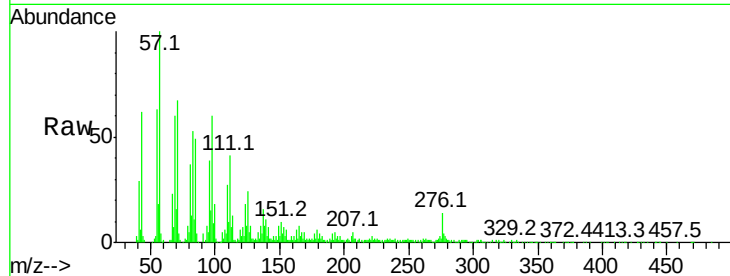
Tot Ion:276 Resp: 39157

Ion Ratio Lower Upper

276 100

138 26.1 27.8 41.6#

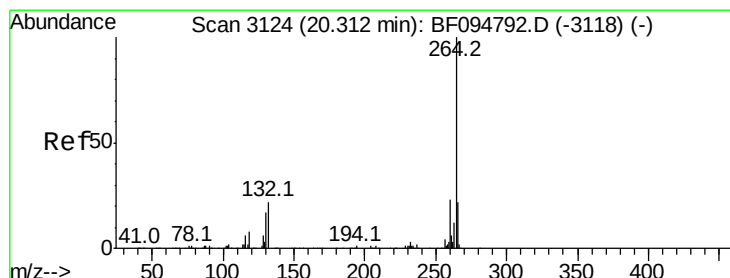
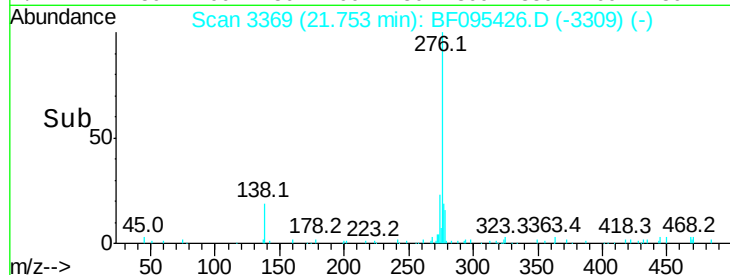
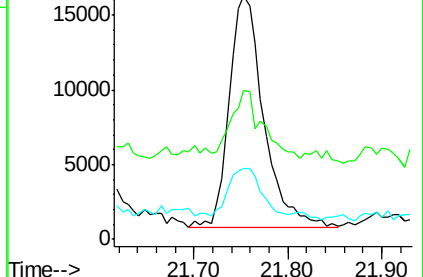
277 19.3 20.2 30.4#



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: 20.39 min Scan# 3138

Delta R.T. 0.03 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

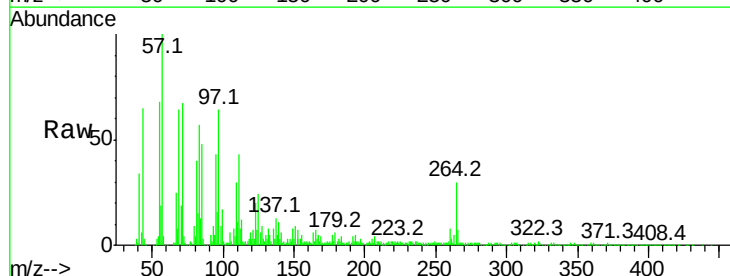
Tgt Ion:264 Resp: 125321

Ion Ratio Lower Upper

264 100

260 26.1 19.5 29.3

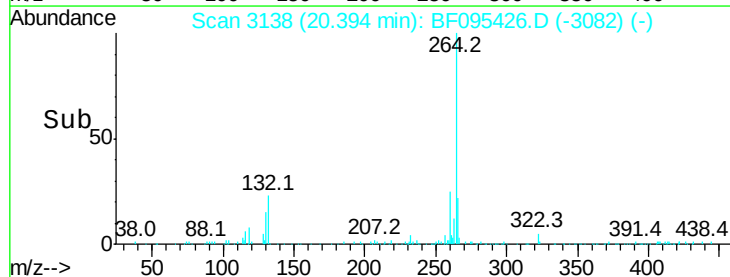
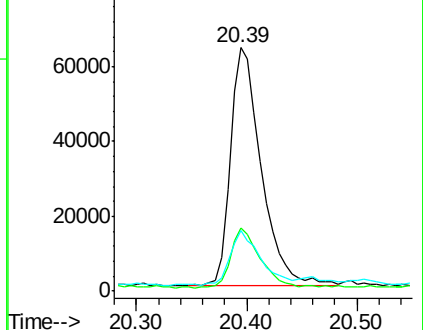
265 24.7 17.2 25.8

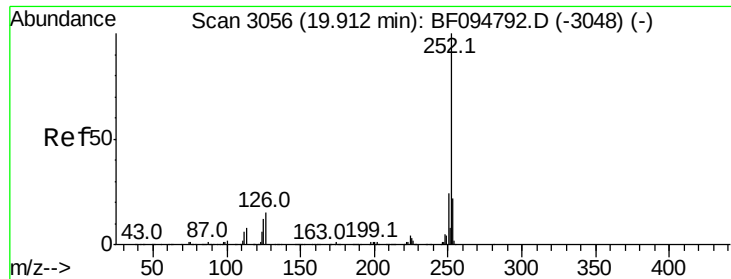


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 11.02 ng

RT: 19.99 min Scan# 3069

Delta R.T. 0.03 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

ClientSampleId :

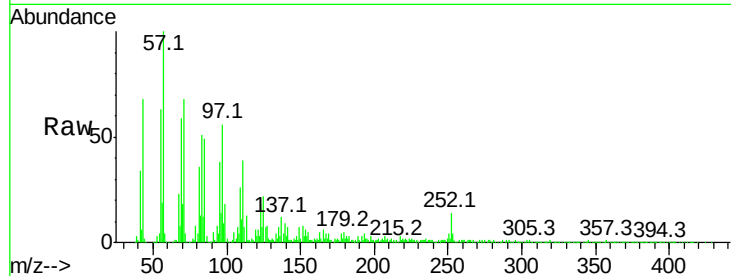
Tot Ion:252 Resp: 85326

Ion Ratio Lower Upper

252 100

253 30.8 18.1 27.1#

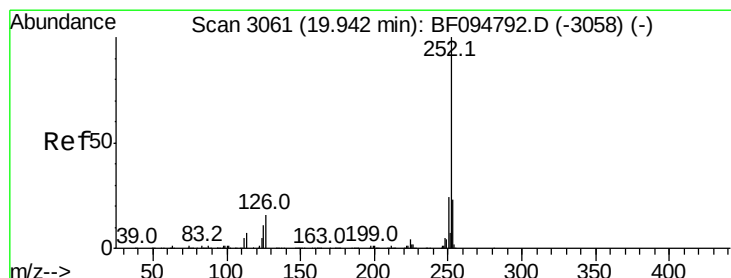
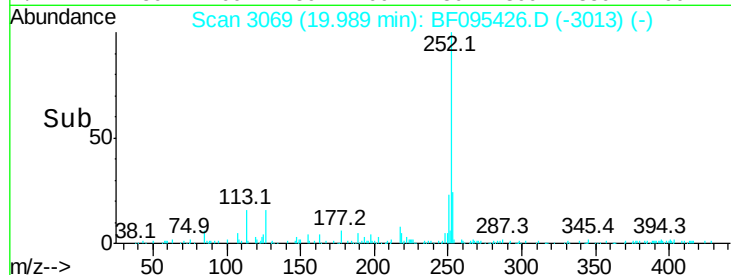
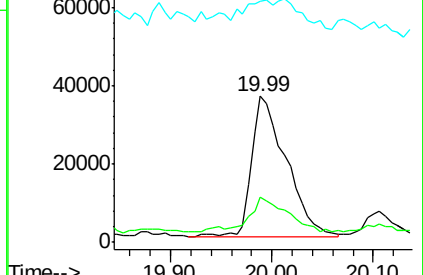
125 164.4 9.8 14.8#



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: 11.42 ng

RT: 19.99 min Scan# 3069

Delta R.T. 0.00 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

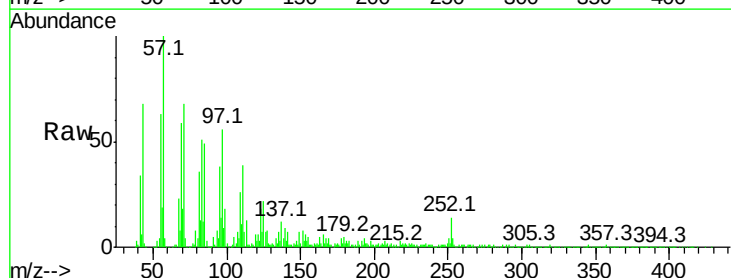
Tgt Ion:252 Resp: 85326

Ion Ratio Lower Upper

252 100

253 30.8 18.4 27.6#

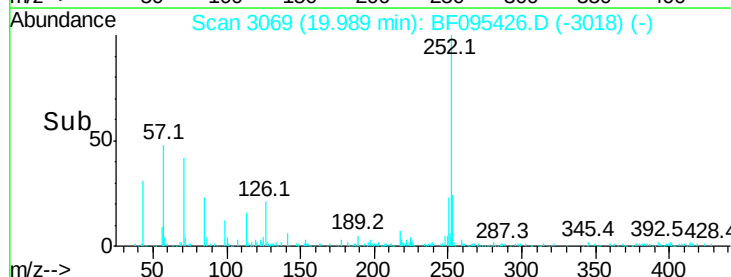
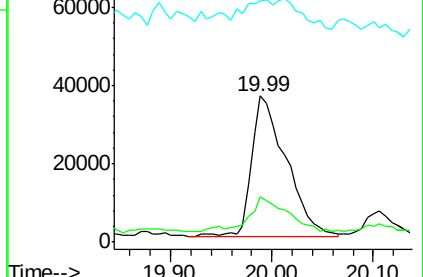
125 164.4 13.1 19.7#

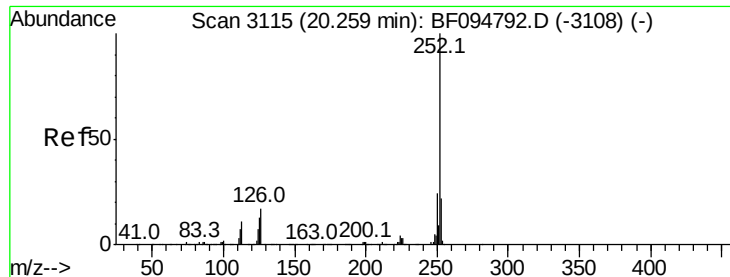


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.95 ng

RT: 20.34 min Scan# 3129

Delta R.T. 0.03 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

ClientSampleId :

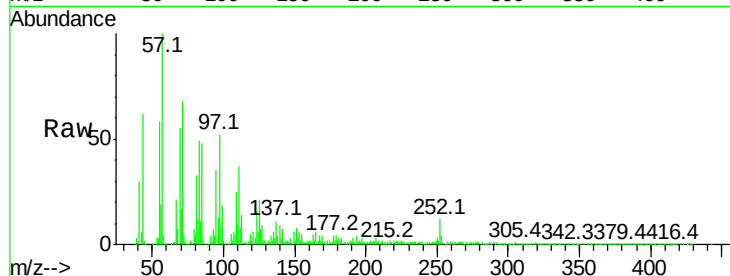
Tot Ion:252 Resp: 49658

Ion Ratio Lower Upper

252 100

253 30.1 17.5 26.3#

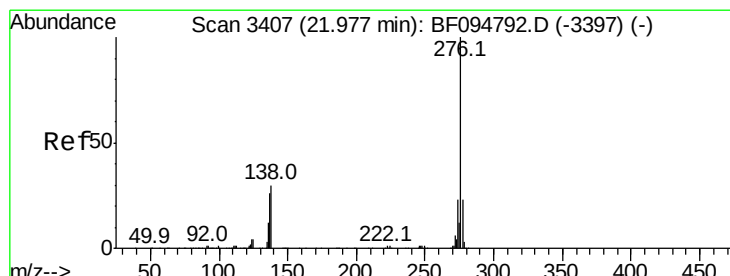
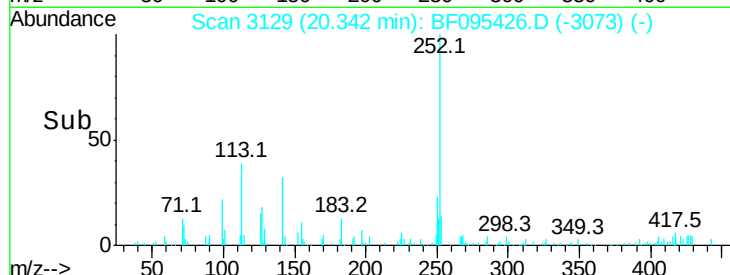
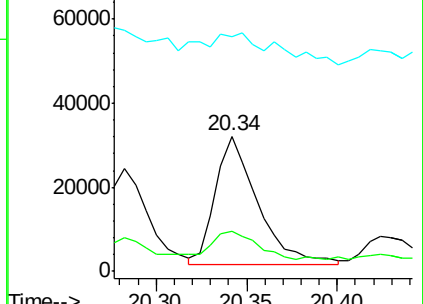
125 173.7 11.0 16.4#



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: 6.94 ng

RT: 22.14 min Scan# 3435

Delta R.T. 0.06 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

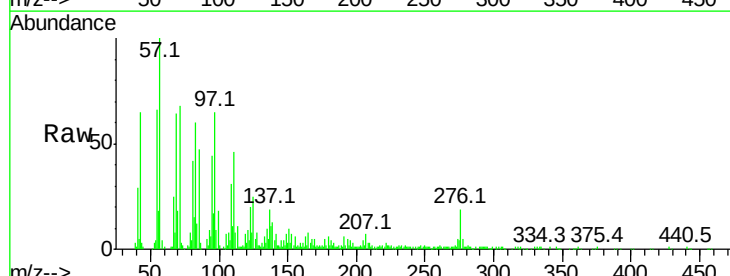
Tgt Ion:276 Resp: 40197

Ion Ratio Lower Upper

276 100

277 28.6 18.6 28.0#

138 55.0 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

