

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
 Data File : BF095649.D
 Acq On : 2 Jun 2017 23:17
 Operator : SJ/MA
 Sample : I3440-05 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 03 01:35:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 18:51:16 2017
 Response via : Initial Calibration

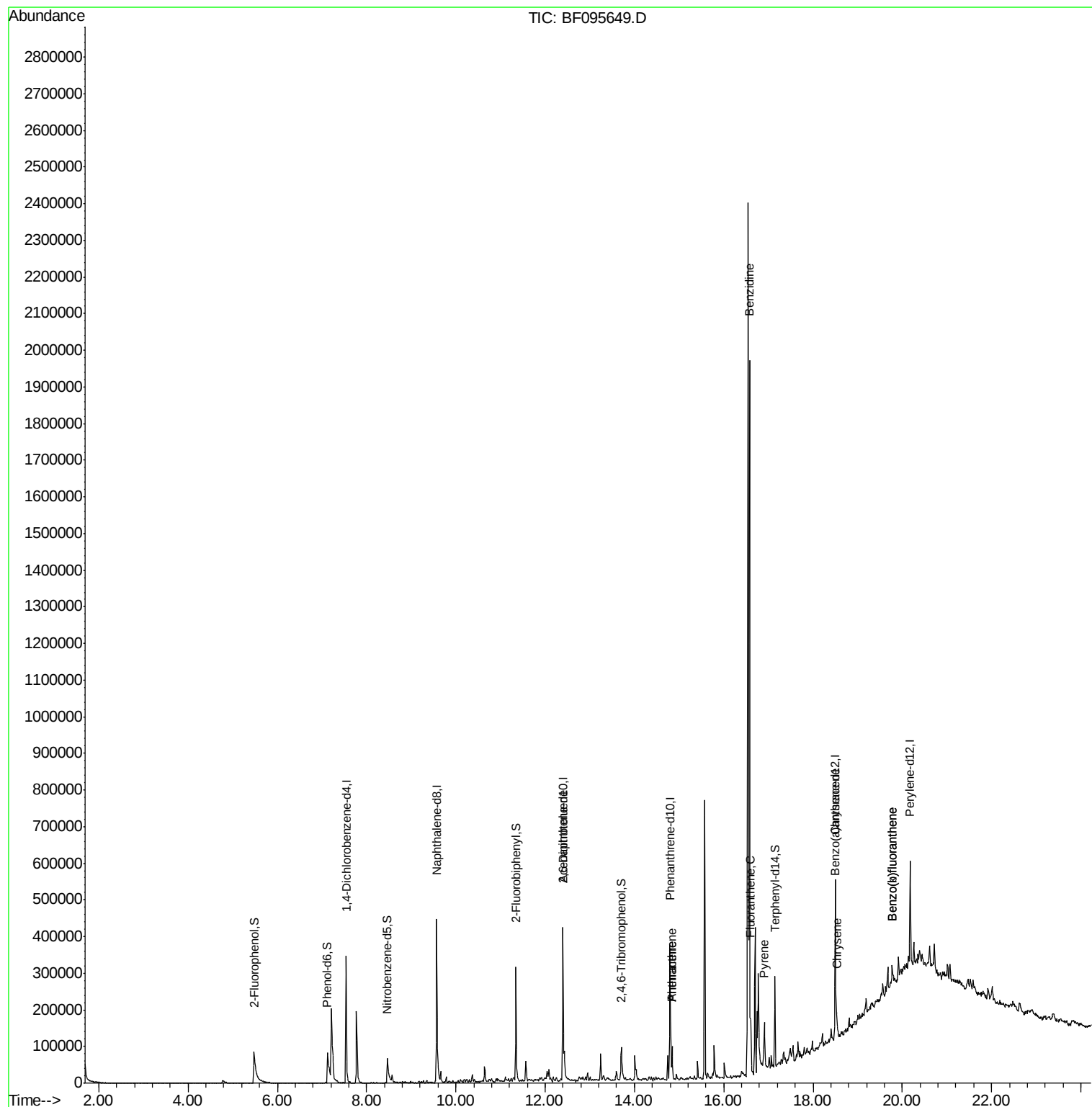
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	83863	20.00	ng	0.00
21) Naphthalene-d8	9.57	136	315721	20.00	ng	0.00
38) Acenaphthene-d10	12.40	164	120353	20.00	ng	0.00
63) Phenanthrene-d10	14.80	188	181292	20.00	ng	0.00
75) Chrysene-d12	18.50	240	168522	20.00	ng	0.00
86) Perylene-d12	20.17	264	119614	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	109152	21.70	ng	0.03
7) Phenol-d6	7.12	99	130127	21.56	ng	0.02
23) Nitrobenzene-d5	8.46	82	72851	14.55	ng	0.00
41) 2,4,6-Tribromophenol	13.70	330	18143	18.41	ng	0.00
44) 2-Fluorobiphenyl	11.35	172	132713	15.87	ng	0.00
78) Terphenyl-d14	17.14	244	85407	11.16	ng	0.00
Target Compounds						
50) 2,6-Dinitrotoluene	12.40	165	15327	7.60	ng	Qvalue # 31
70) Phenanthrene	14.84	178	54619	5.24	ng	94
71) Anthracene	14.84	178	54619	5.13	ng	94
74) Fluoranthene	16.60	202	52396	4.90	ng	98
76) Benzidine	16.58	184	110	6.61	ng	# 1
77) Pyrene	16.91	202	52060	4.13	ng	96
80) Benzo(a)anthracene	18.49	228	20165	2.06	ng	96
82) Chrysene	18.53	228	19295	2.03	ng	# 92
87) Benzo(b)fluoranthene	19.77	252	28106	3.80	ng	# 78
88) Benzo(k)fluoranthene	19.77	252	28106	3.94	ng	# 81

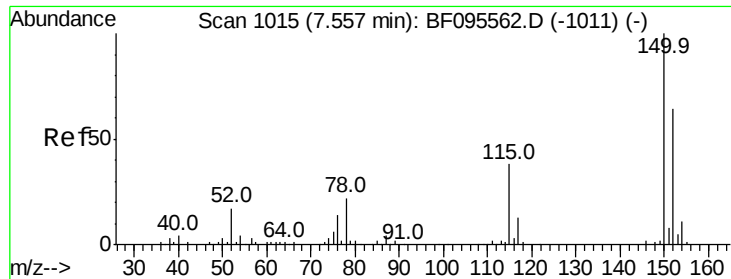
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.54 min Scan# 995

Delta R.T. 0.00 min

Lab File: BF095649.D

Acq: 2 Jun 2017 23:17

Instrument :
BNA_F
ClientSampleId :

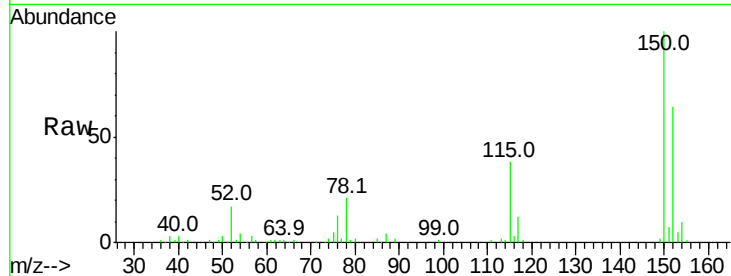
Tot Ion:152 Resp: 83863

Ion Ratio Lower Upper

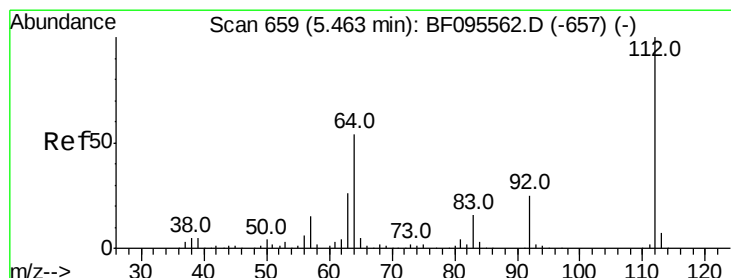
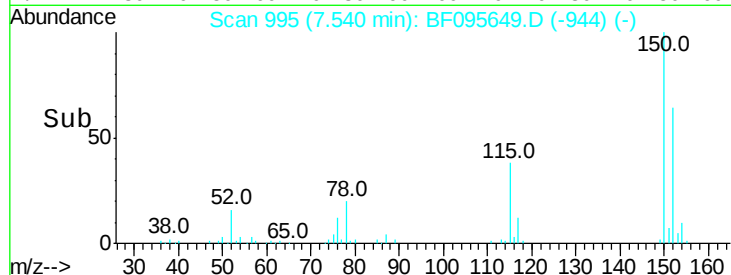
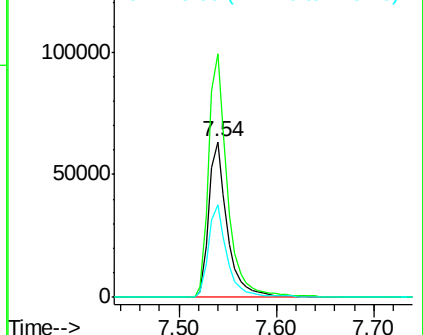
152 100

150 156.3 126.2 189.2

115 59.3 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: 21.70 ng

RT: 5.47 min Scan# 644

Delta R.T. 0.03 min

Lab File: BF095649.D

Acq: 2 Jun 2017 23:17

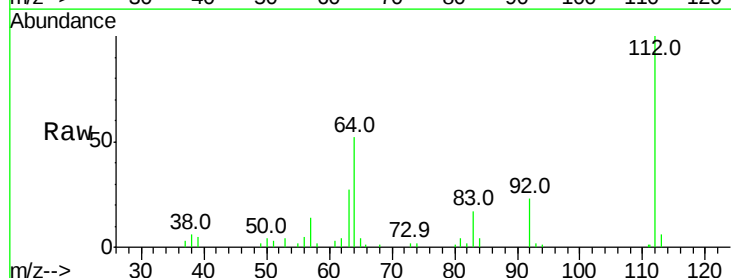
Tgt Ion:112 Resp: 109152

Ion Ratio Lower Upper

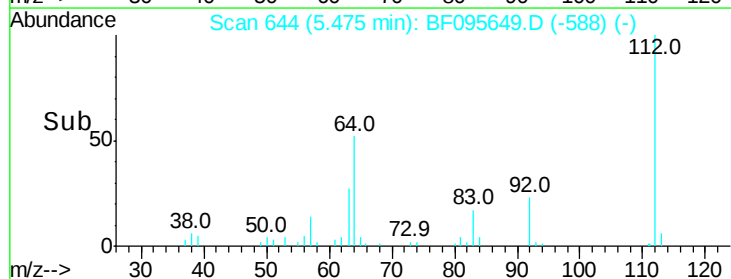
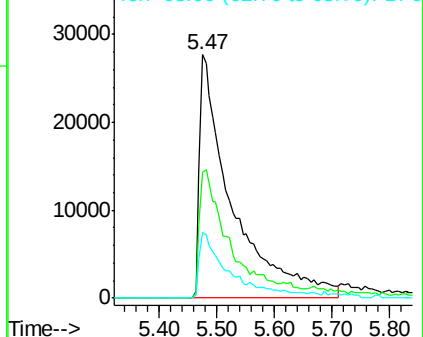
112 100

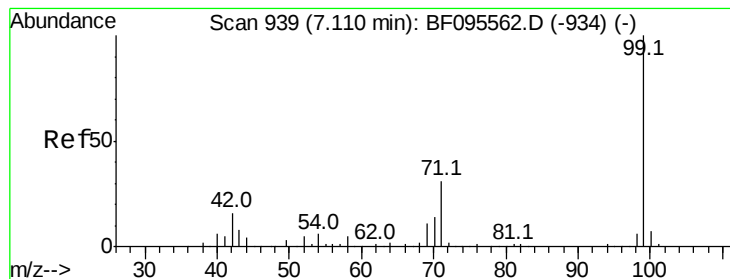
64 51.5 46.0 69.0

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: 21.56 ng

RT: 7.12 min Scan# 924

Delta R.T. 0.02 min

Lab File: BF095649.D

Acq: 2 Jun 2017 23:17

Instrument :

BNA_F

ClientSampleId :

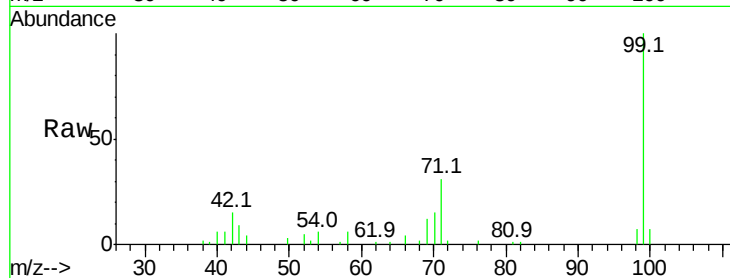
Tot Ion: 99 Resp: 130127

Ion Ratio Lower Upper

99 100

42 15.1 13.5 20.3

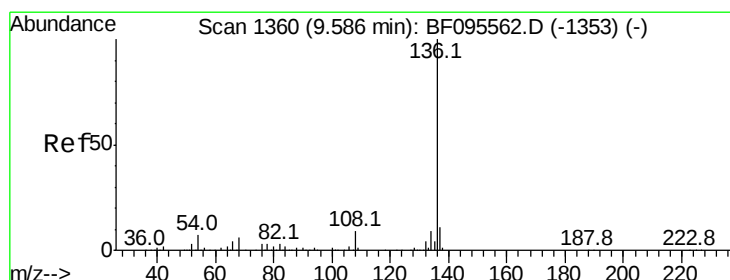
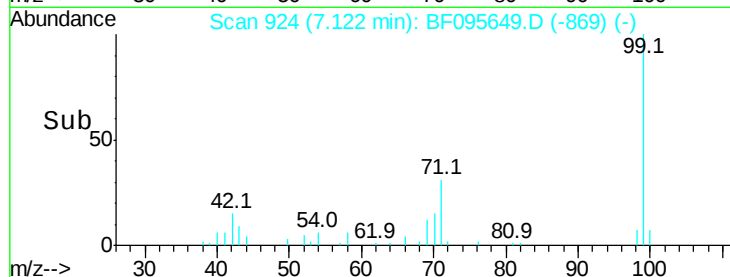
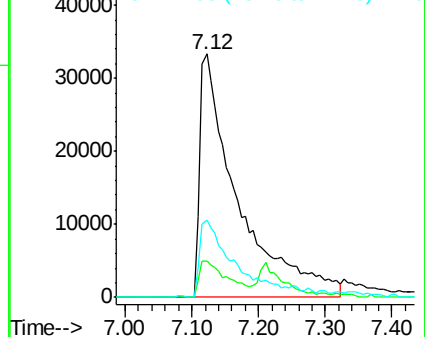
71 31.5 24.5 36.7



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: 20.00 ng

RT: 9.57 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF095649.D

Acq: 2 Jun 2017 23:17

Tgt Ion: 136 Resp: 315721

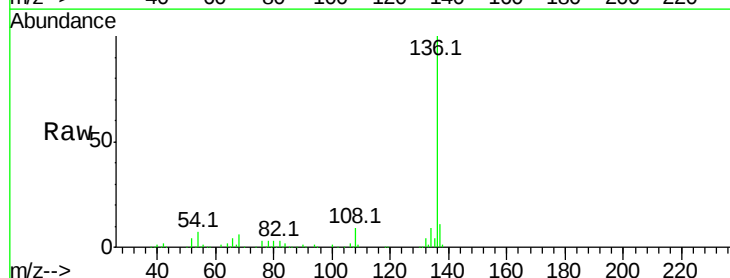
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.7 4.9 7.3

68 5.6 4.1 6.1

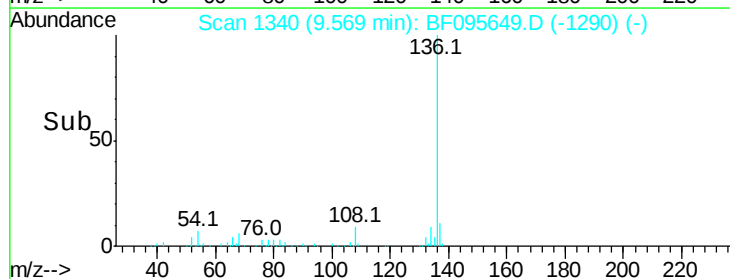
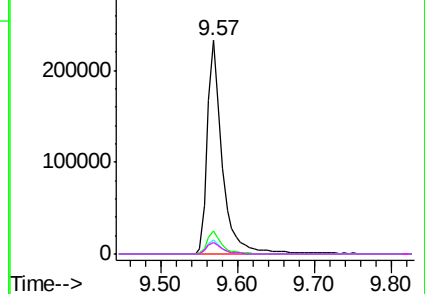


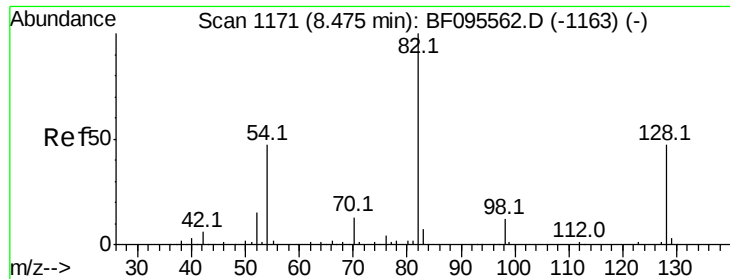
Abundance Ion 136.00 (135.70 to 136.70): E

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

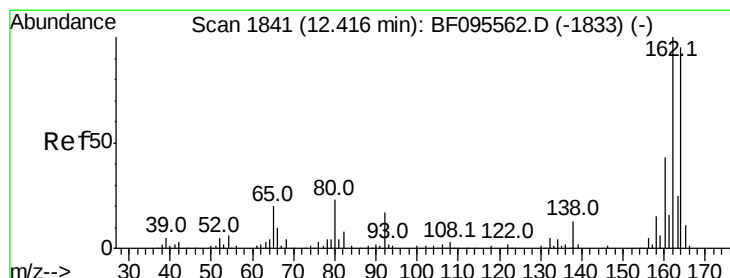
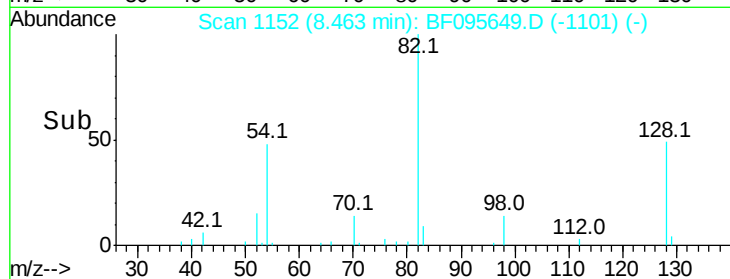
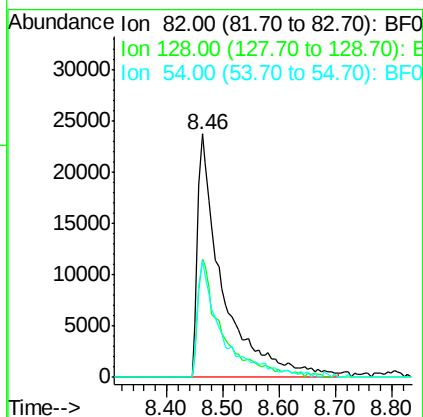
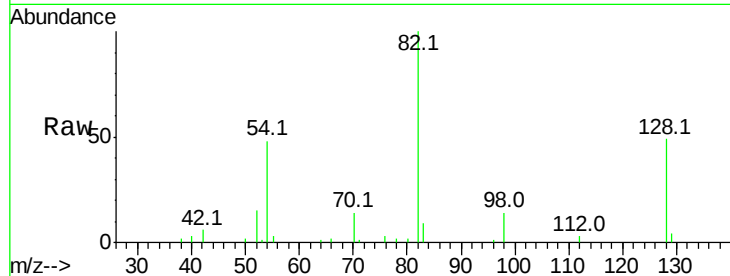




#23
Nitrobenzene-d5
Concen: 14.55 ng
RT: 8.46 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF095649.D
Acq: 2 Jun 2017 23:17

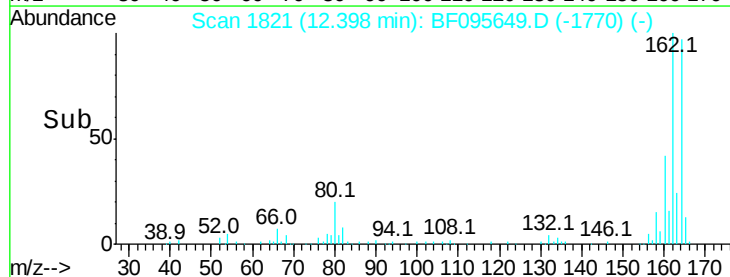
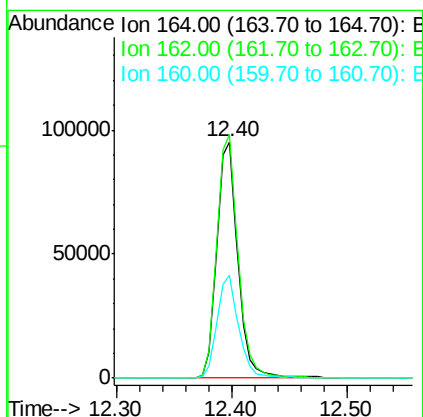
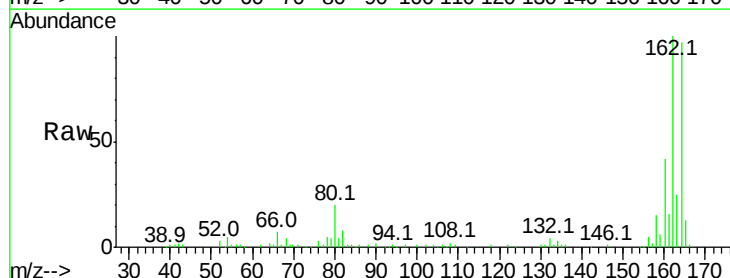
Instrument :
BNA_F
ClientSampleId :

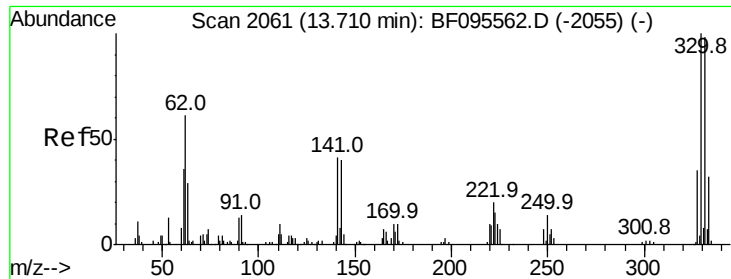
Tot Ion: 82 Resp: 72851
Ion Ratio Lower Upper
82 100
128 48.6 34.0 51.0
54 47.8 42.2 63.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.40 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF095649.D
Acq: 2 Jun 2017 23:17

Tgt Ion:164 Resp: 120353
Ion Ratio Lower Upper
164 100
162 103.1 82.6 123.8
160 43.4 36.2 54.2

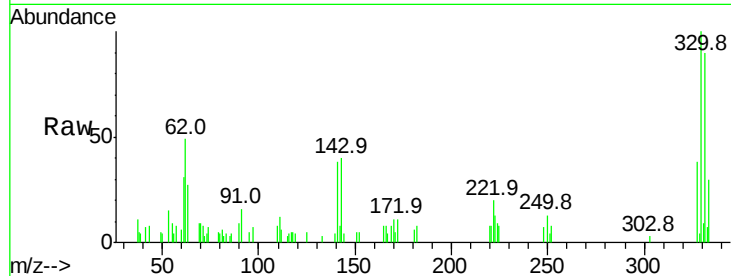




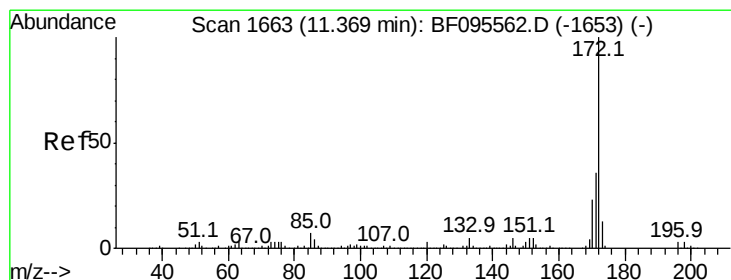
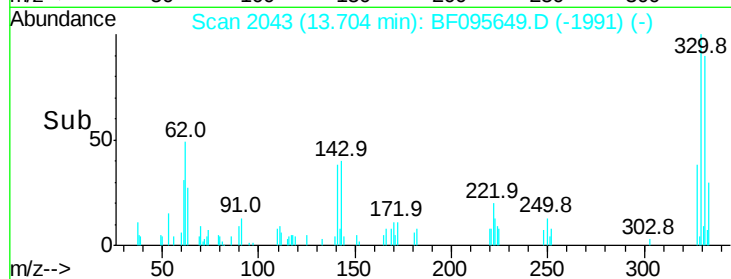
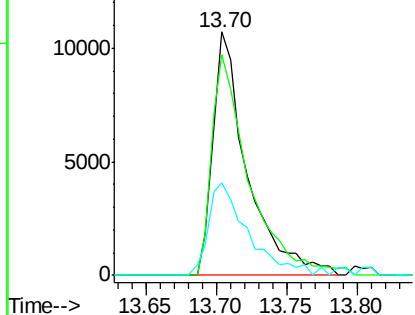
#41
 2,4,6-Tribromophenol
 Concen: 18.41 ng
 RT: 13.70 min Scan# 2043
 Delta R.T. 0.01 min
 Lab File: BF095649.D
 Acq: 2 Jun 2017 23:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 18143
 Ion Ratio Lower Upper
 330 100
 332 98.7 76.6 115.0
 141 43.4 31.4 47.2

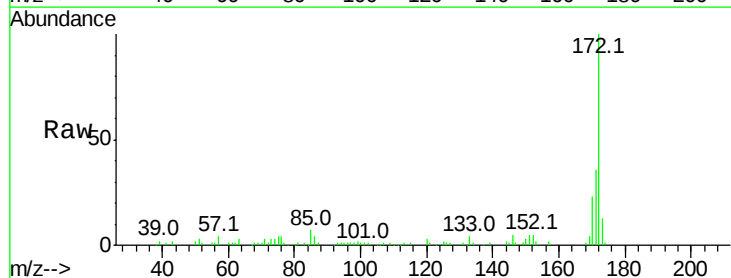


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

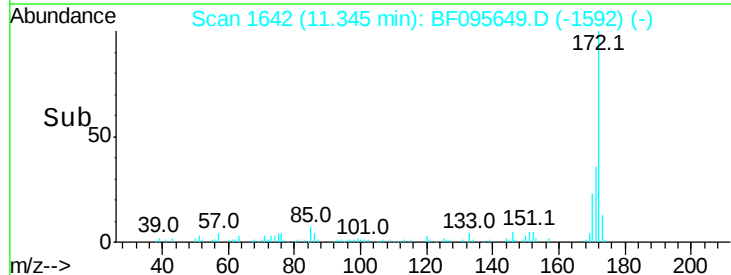
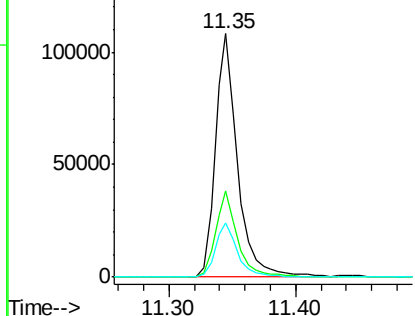


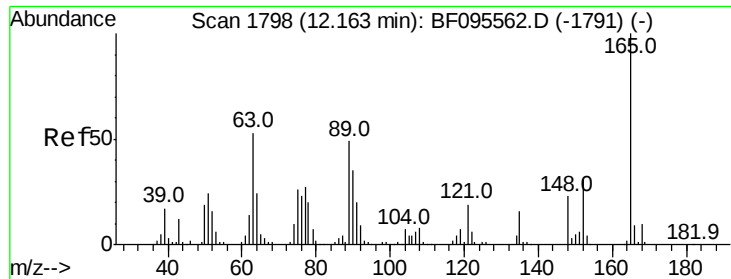
#44
 2-Fluorobiphenyl
 Concen: 15.87 ng
 RT: 11.35 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BF095649.D
 Acq: 2 Jun 2017 23:17

Tgt Ion:172 Resp: 132713
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 22.5 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

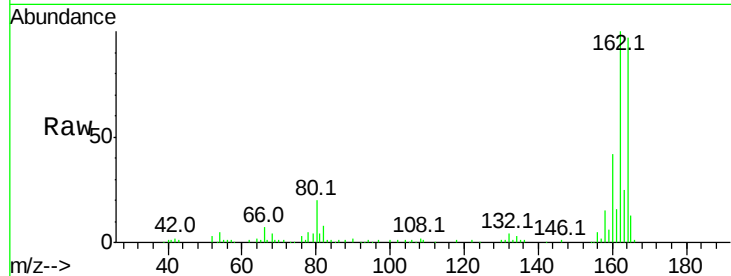




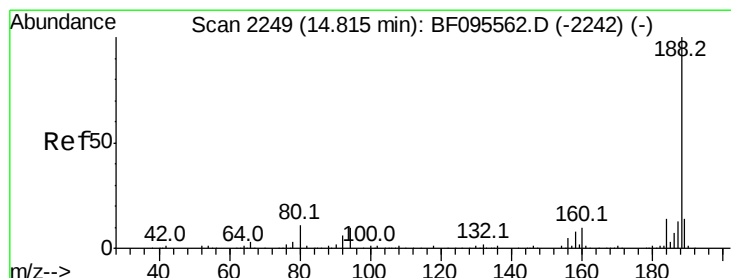
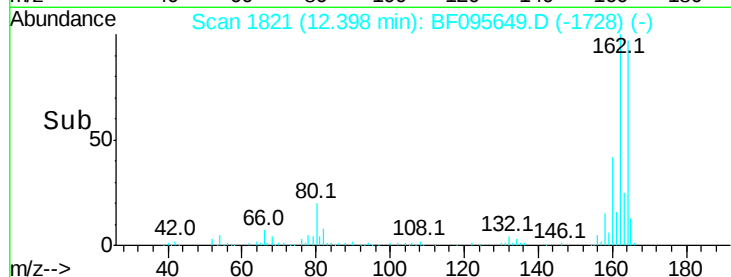
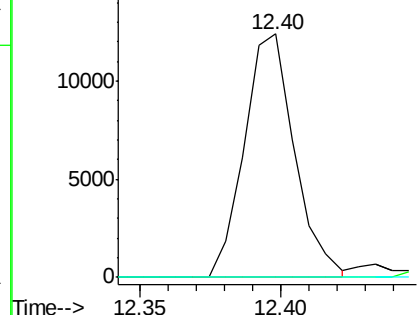
#50
 2,6-Dinitrotoluene
 Concen: 7.60 ng
 RT: 12.40 min Scan# 1821
 Delta R.T. 0.25 min
 Lab File: BF095649.D
 Acq: 2 Jun 2017 23:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 15327
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#

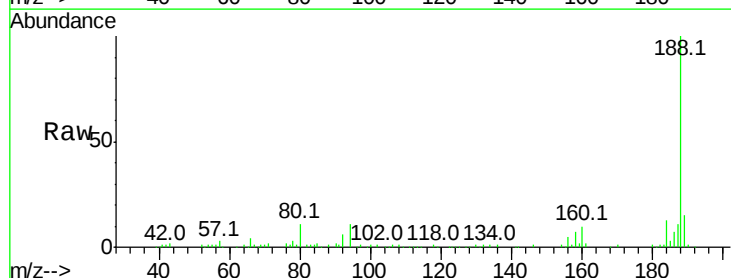


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

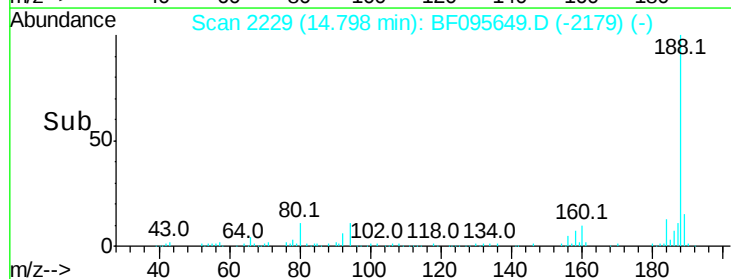
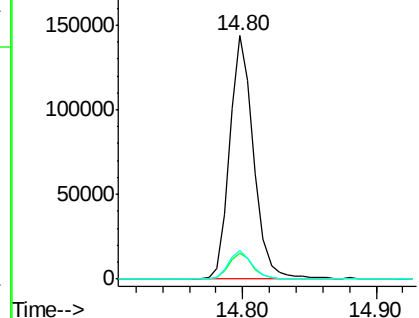


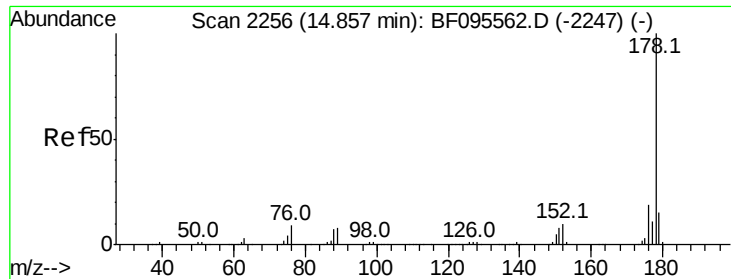
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.80 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BF095649.D
 Acq: 2 Jun 2017 23:17

Tgt Ion:188 Resp: 181292
 Ion Ratio Lower Upper
 188 100
 94 10.6 9.4 14.2
 80 11.5 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

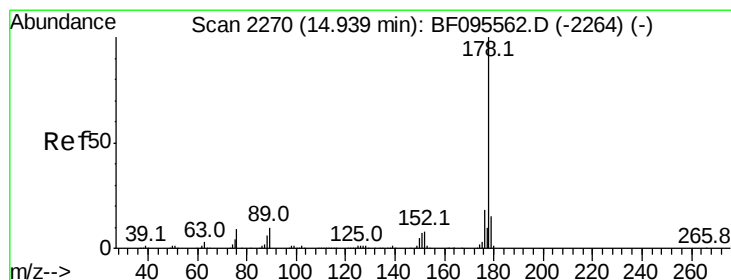
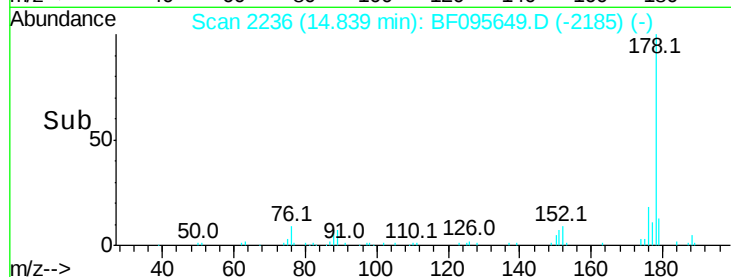
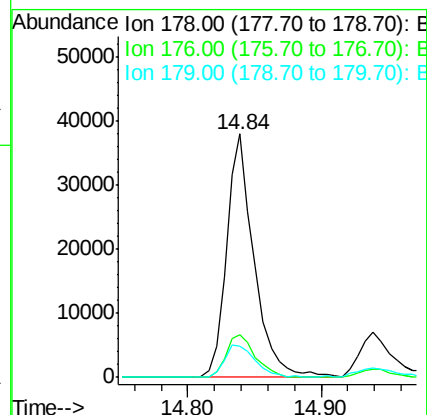
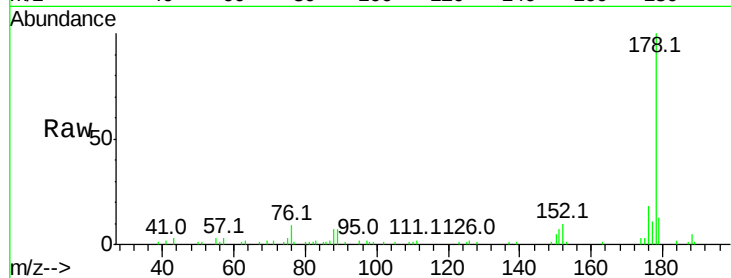




#70
Phenanthrene
Concen: 5.24 ng
RT: 14.84 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF095649.D
Acq: 2 Jun 2017 23:17

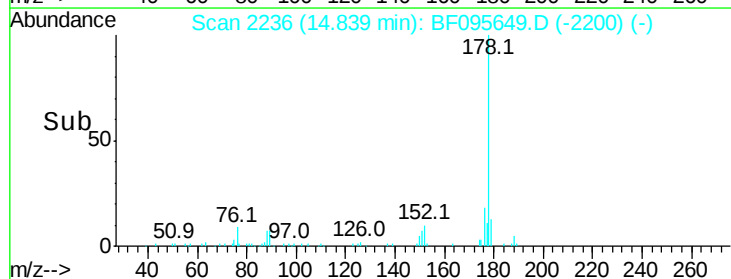
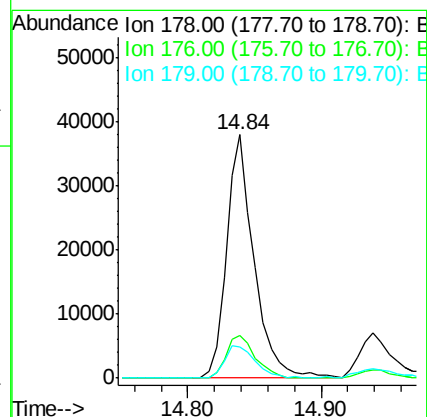
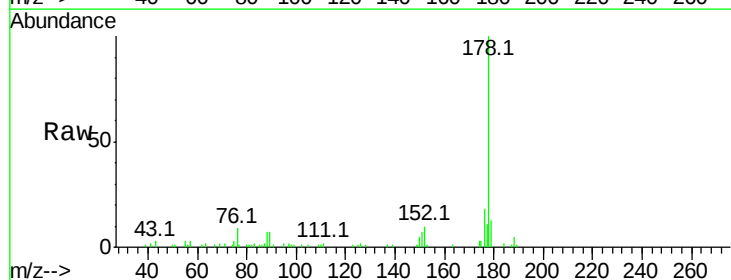
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BNA_F
ClientSampleId :

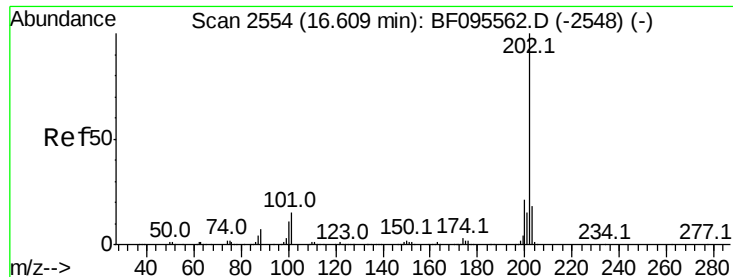
Tot Ion:178 Resp: 54619
Ion Ratio Lower Upper
178 100
176 17.6 16.2 24.4
179 12.8 12.6 19.0



#71
Anthracene
Concen: 5.13 ng
RT: 14.84 min Scan# 2236
Delta R.T. -0.09 min
Lab File: BF095649.D
Acq: 2 Jun 2017 23:17

Tgt Ion:178 Resp: 54619
Ion Ratio Lower Upper
178 100
176 17.6 15.8 23.8
179 12.8 12.7 19.1





#74

Fluoranthene

Concen: 4.90 ng

RT: 16.60 min Scan# 2536

Delta R.T. 0.00 min

Lab File: BF095649.D

Acq: 2 Jun 2017 23:17

Instrument :

BNA_F

ClientSampleId :

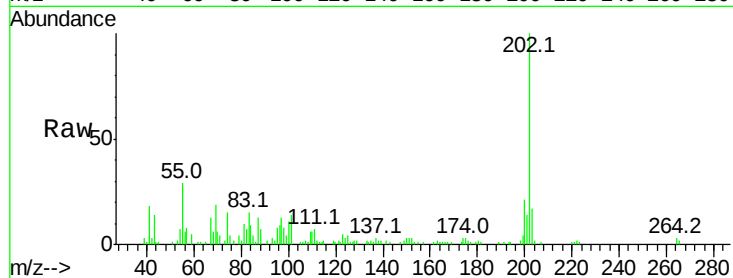
Tot Ion:202 Resp: 52396

Ion Ratio Lower Upper

202 100

101 14.0 0.0 33.2

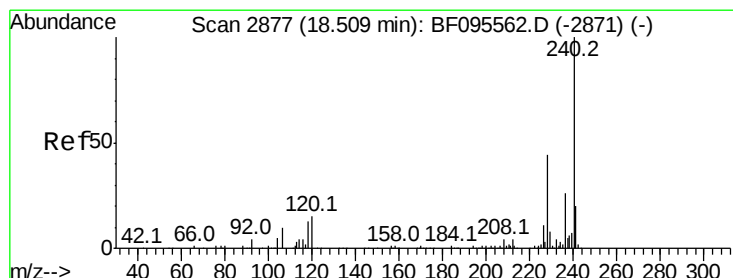
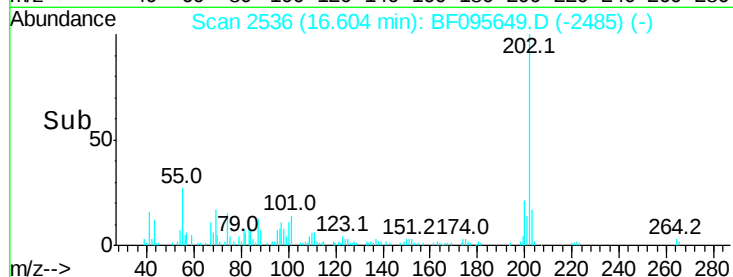
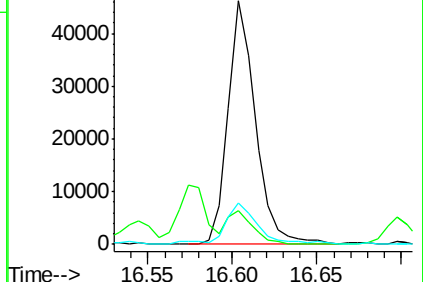
203 16.9 0.0 38.1



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: 18.50 min Scan# 2858

Delta R.T. 0.00 min

Lab File: BF095649.D

Acq: 2 Jun 2017 23:17

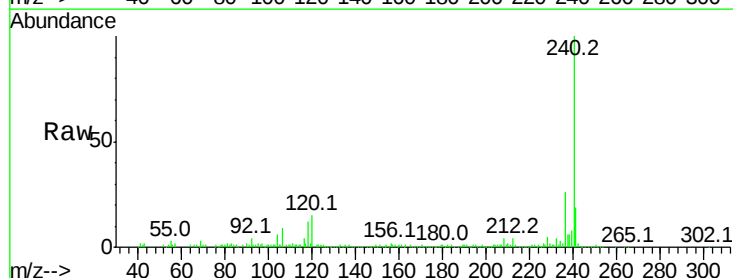
Tgt Ion:240 Resp: 168522

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

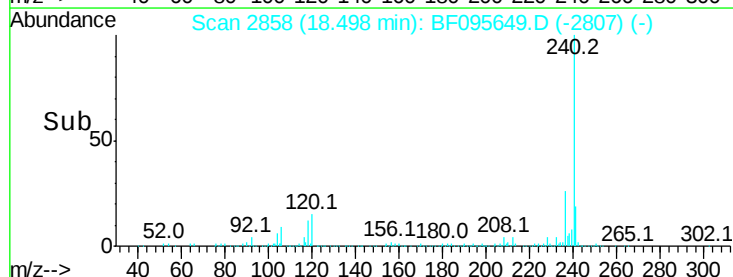
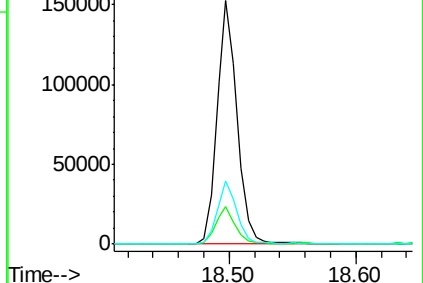
236 26.0 20.5 30.7

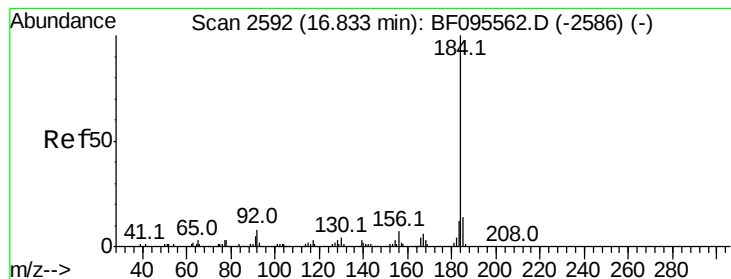


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.61 ng

RT: 16.58 min Scan# 2532

Delta R.T. -0.24 min

Lab File: BF095649.D

Acq: 2 Jun 2017 23:17

Instrument :

BNA_F

ClientSampleId :

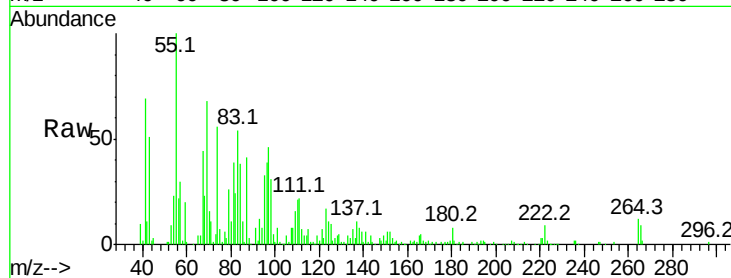
Tot Ion:184 Resp: 110

Ion Ratio Lower Upper

184 100

185 295.2 15.5 23.3#

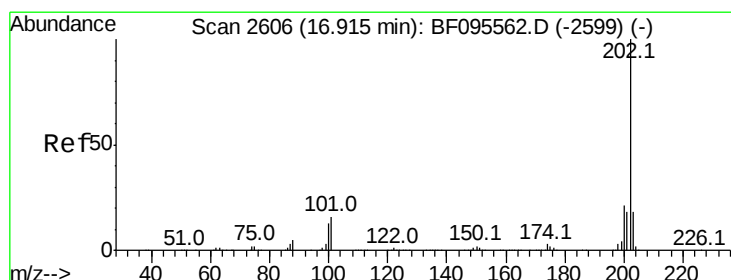
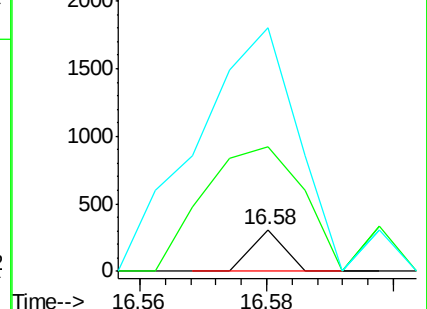
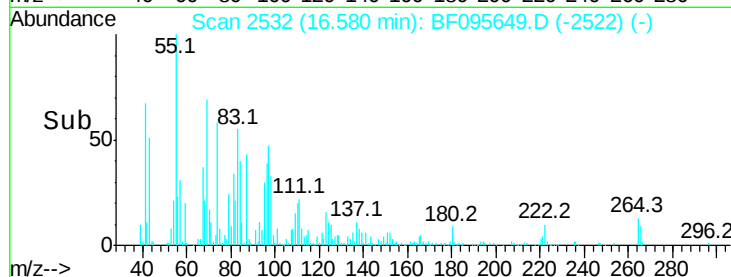
183 579.4 9.8 14.6#



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: 4.13 ng

RT: 16.91 min Scan# 2588

Delta R.T. 0.01 min

Lab File: BF095649.D

Acq: 2 Jun 2017 23:17

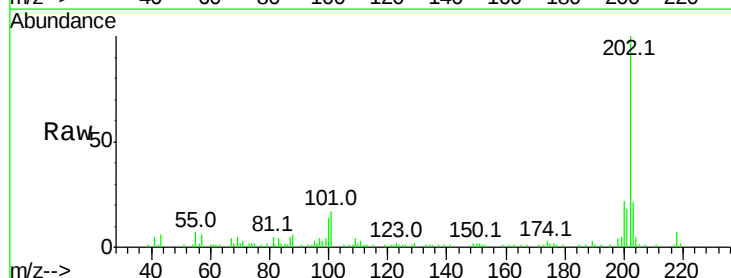
Tgt Ion:202 Resp: 52060

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

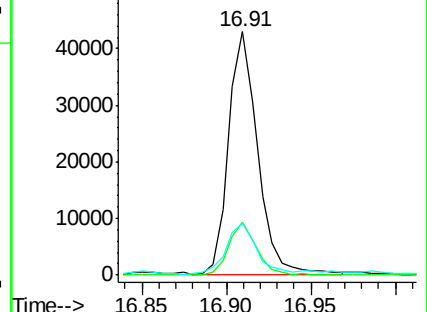
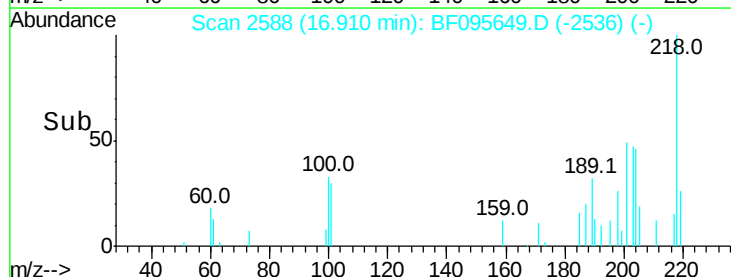
203 21.2 14.4 21.6

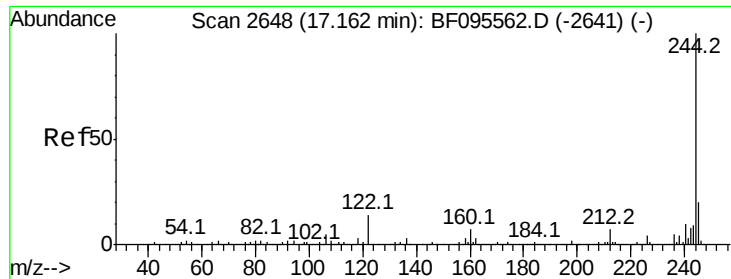


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

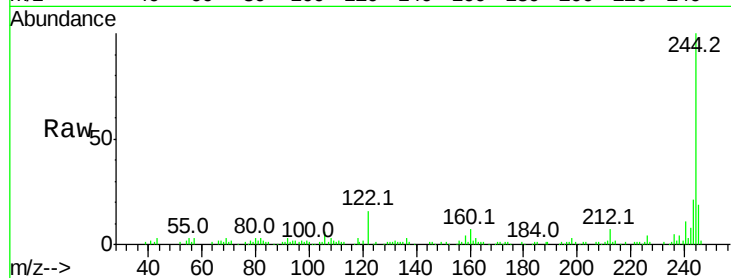




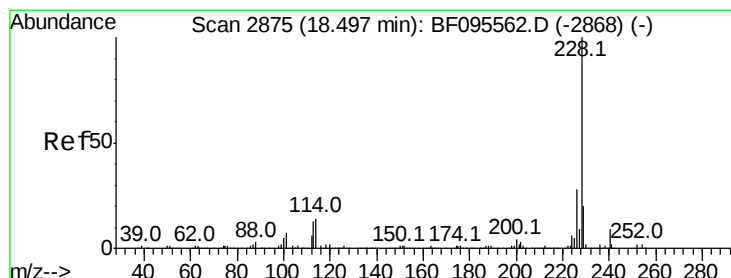
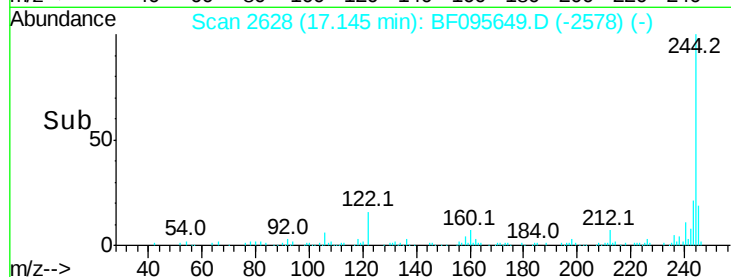
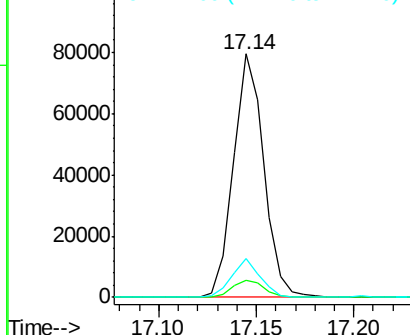
#78
 Terphenyl-d14
 Concen: 11.16 ng
 RT: 17.14 min Scan# 2628
 Delta R.T. -0.01 min
 Lab File: BF095649.D
 Acq: 2 Jun 2017 23:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 85407
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 15.9 10.3 15.5#

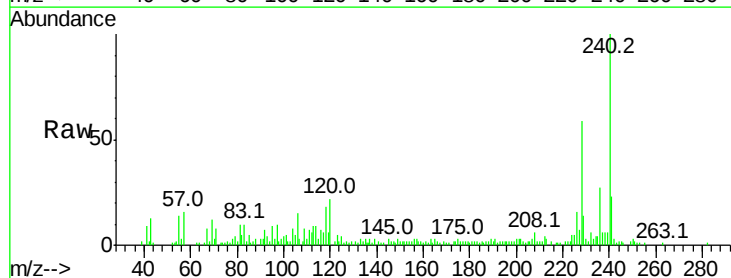


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

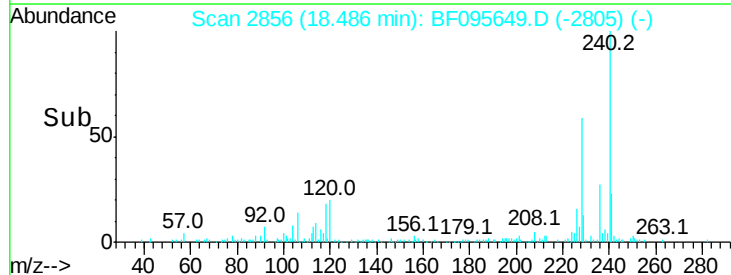
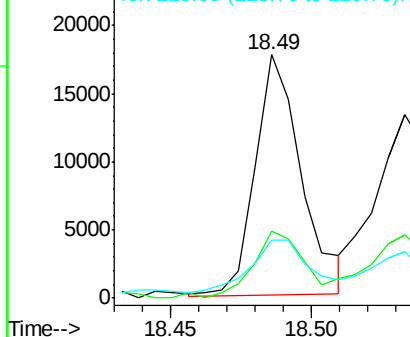


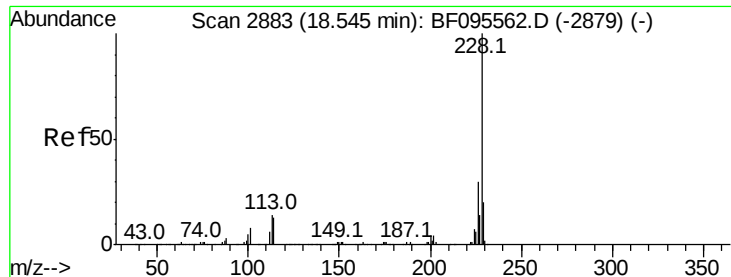
#80
 Benzo(a)anthracene
 Concen: 2.06 ng
 RT: 18.49 min Scan# 2856
 Delta R.T. 0.00 min
 Lab File: BF095649.D
 Acq: 2 Jun 2017 23:17

Tgt Ion:228 Resp: 20165
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.6 33.8
 229 23.7 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

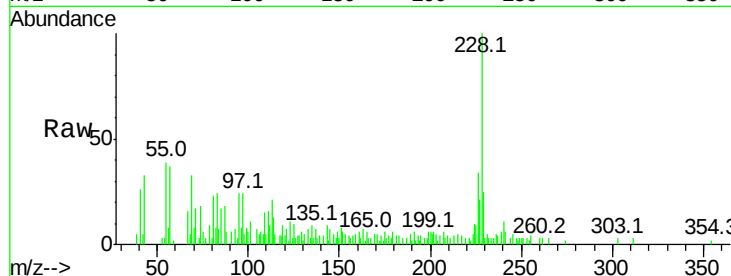




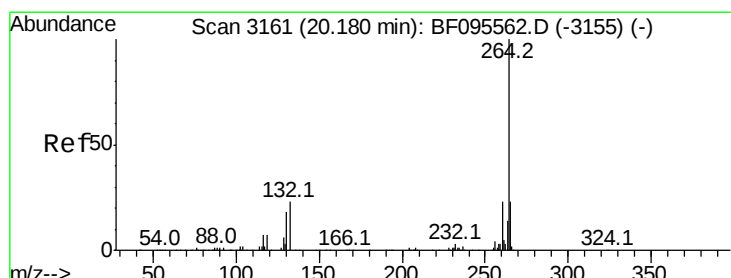
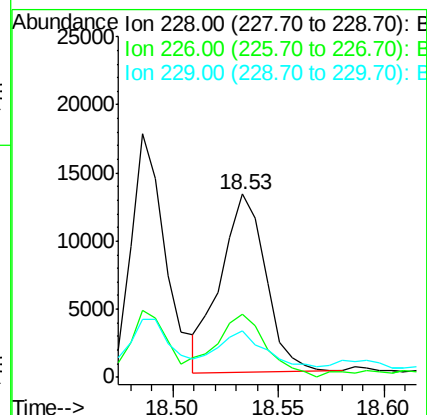
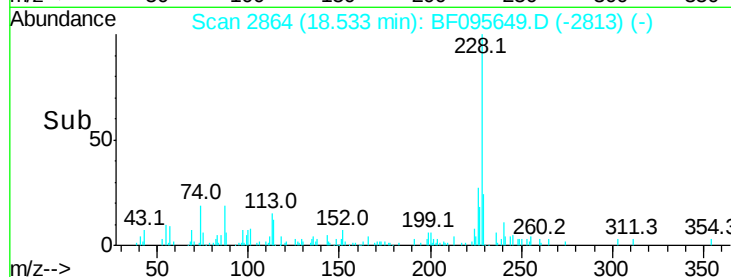
#82
Chrysene
Concen: 2.03 ng
RT: 18.53 min Scan# 2864
Delta R.T. 0.00 min
Lab File: BF095649.D
Acq: 2 Jun 2017 23:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 19295
Ion Ratio Lower Upper
228 100
226 34.3 24.9 37.3
229 25.1 15.8 23.6#

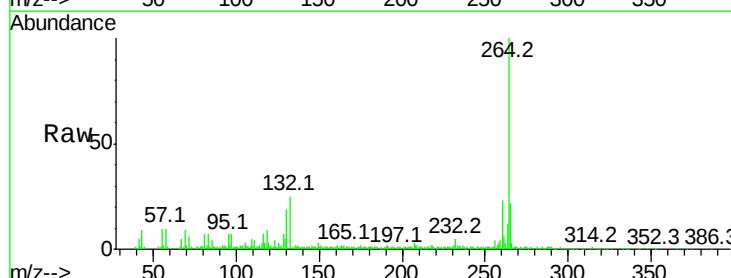


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

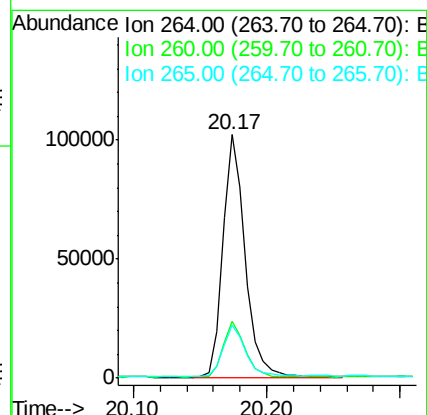
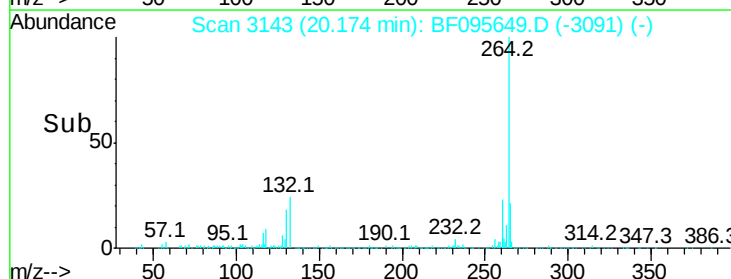


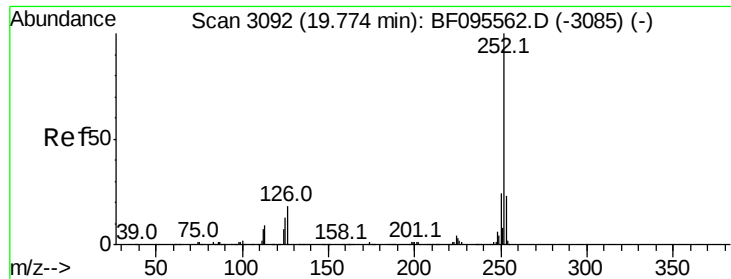
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.17 min Scan# 3143
Delta R.T. 0.01 min
Lab File: BF095649.D
Acq: 2 Jun 2017 23:17

Tgt Ion:264 Resp: 119614
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 21.9 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: 3.80 ng

RT: 19.77 min Scan# 3075

Delta R.T. 0.01 min

Lab File: BF095649.D

Acq: 2 Jun 2017 23:17

Instrument :

BNA_F

ClientSampleId :

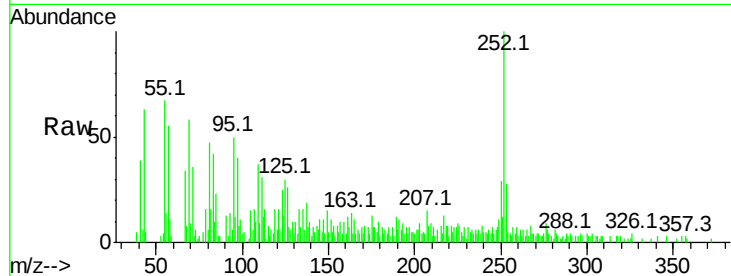
Tot Ion:252 Resp: 28106

Ion Ratio Lower Upper

252 100

253 27.6 18.1 27.1#

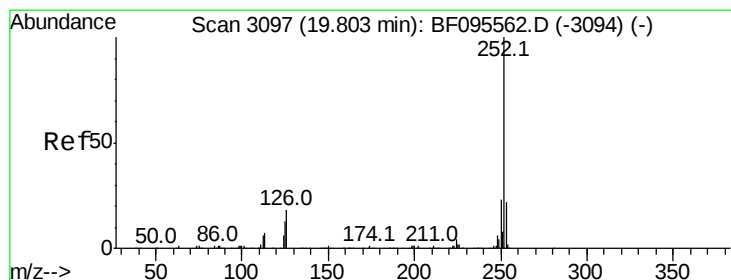
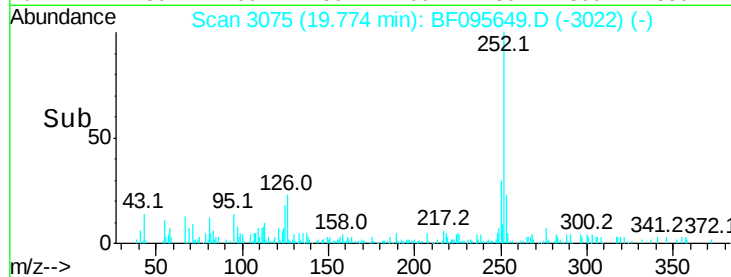
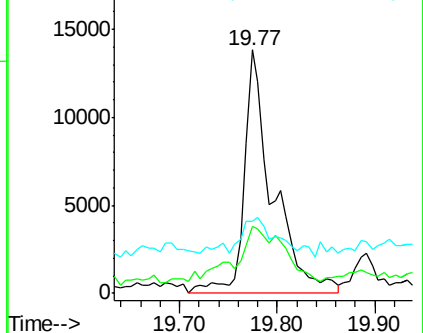
125 29.8 9.8 14.8#



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: 3.94 ng

RT: 19.77 min Scan# 3075

Delta R.T. -0.02 min

Lab File: BF095649.D

Acq: 2 Jun 2017 23:17

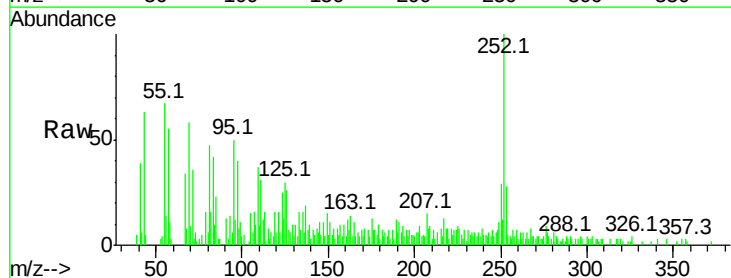
Tgt Ion:252 Resp: 28106

Ion Ratio Lower Upper

252 100

253 27.6 18.4 27.6

125 29.8 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

