

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060517\
 Data File : BF095692.D
 Acq On : 6 Jun 2017 1:22
 Operator : SJ/MA
 Sample : I3466-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 02:59:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

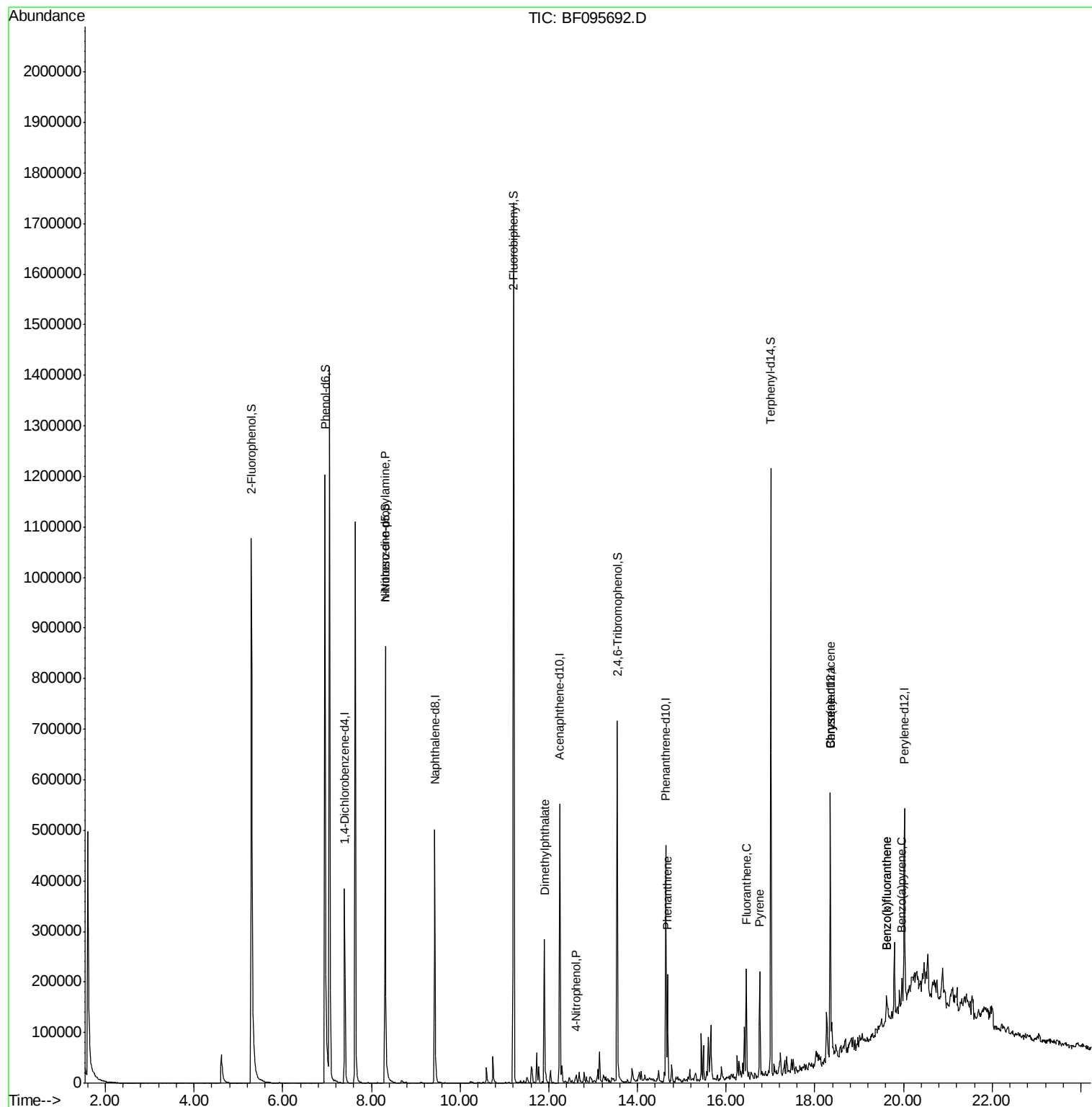
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	92528	20.00	ng	0.00
21) Naphthalene-d8	9.43	136	355884	20.00	ng	0.00
38) Acenaphthene-d10	12.25	164	148649	20.00	ng	0.00
63) Phenanthrene-d10	14.64	188	229549	20.00	ng	0.00
75) Chrysene-d12	18.35	240	205346	20.00	ng	0.00
86) Perylene-d12	20.02	264	154026	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	612658	105.51	ng	0.00
7) Phenol-d6	6.95	99	714119	102.73	ng	0.00
23) Nitrobenzene-d5	8.31	82	448533	78.27	ng	0.00
41) 2,4,6-Tribromophenol	13.54	330	110874	84.30	ng	0.00
44) 2-Fluorobiphenyl	11.21	172	755974	70.77	ng	0.00
78) Terphenyl-d14	17.01	244	446627	53.98	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.31	70	56632	12.85	ng	Qvalue # 76
49) Dimethylphthalate	11.90	163	163909	14.52	ng	99
55) 4-Nitrophenol	12.61	139	1780	5.63	ng	# 25
70) Phenanthrene	14.68	178	120285	9.08	ng	97
74) Fluoranthene	16.45	202	86619	6.61	ng	98
77) Pyrene	16.76	202	93280	6.09	ng	97
80) Benzo(a)anthracene	18.34	228	36275	3.04	ng	95
82) Chrysene	18.34	228	36275	3.04	ng	97
87) Benzo(b)fluoranthene	19.62	252	36703	3.81	ng	# 88
88) Benzo(k)fluoranthene	19.62	252	36703	3.98	ng	# 92
89) Benzo(a)pyrene	19.96	252	22597	2.55	ng	# 91

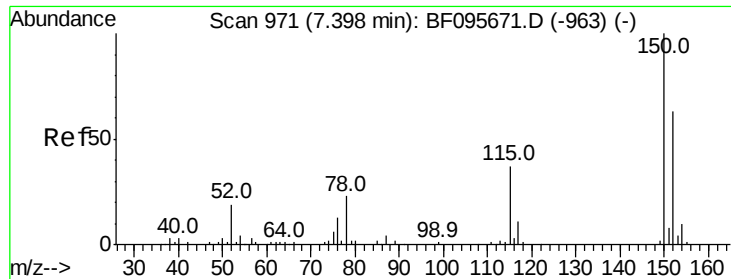
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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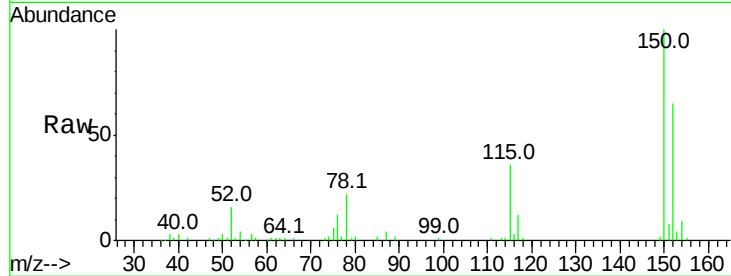


#1

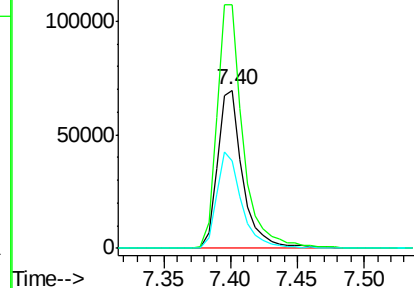
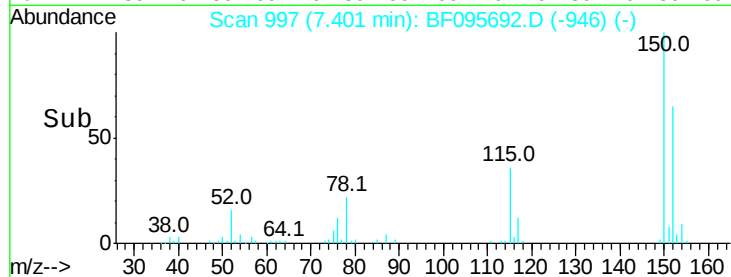
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.40 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF095692.D
Acq: 6 Jun 2017 1:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 92528
Ion Ratio Lower Upper
152 100
150 153.8 126.2 189.2
115 55.7 52.2 78.2



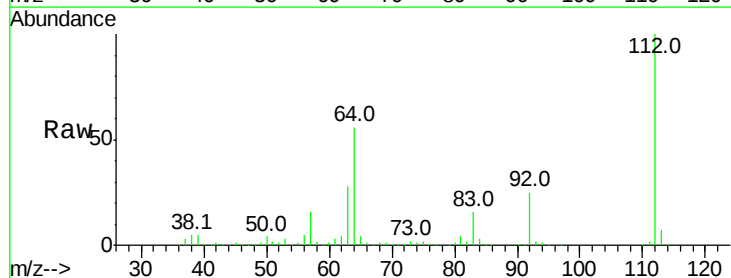
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



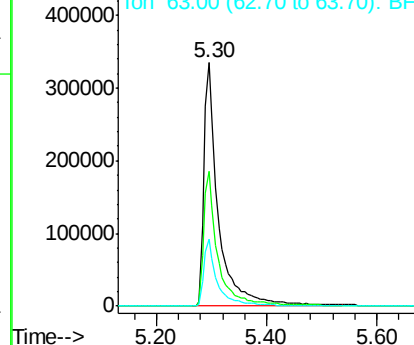
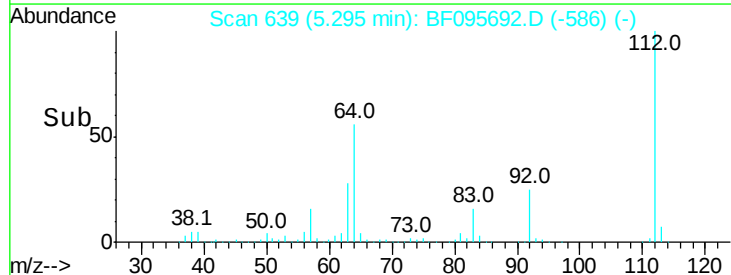
#5

2-Fluorophenol
Concen: 105.51 ng
RT: 5.30 min Scan# 639
Delta R.T. 0.01 min
Lab File: BF095692.D
Acq: 6 Jun 2017 1:22

Tgt Ion:112 Resp: 612658
Ion Ratio Lower Upper
112 100
64 55.6 46.0 69.0
63 27.5 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: 102.73 ng

RT: 6.95 min Scan# 921

Delta R.T. -0.00 min

Lab File: BF095692.D

Acq: 6 Jun 2017 1:22

Instrument :

BNA_F

ClientSampleId :

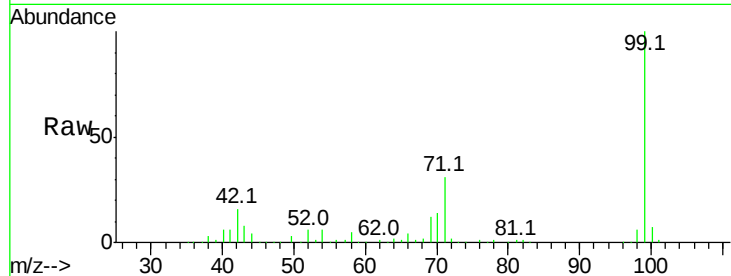
Tot Ion: 99 Resp: 714119

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

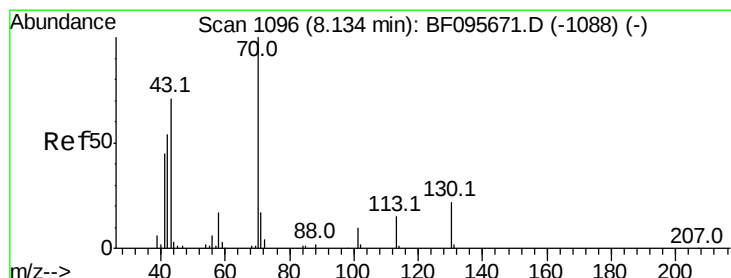
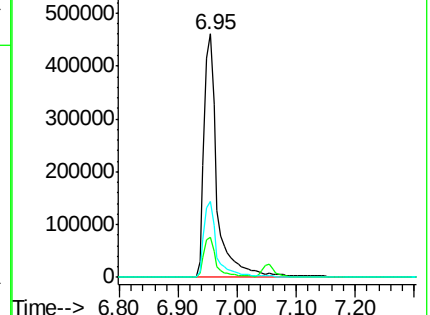
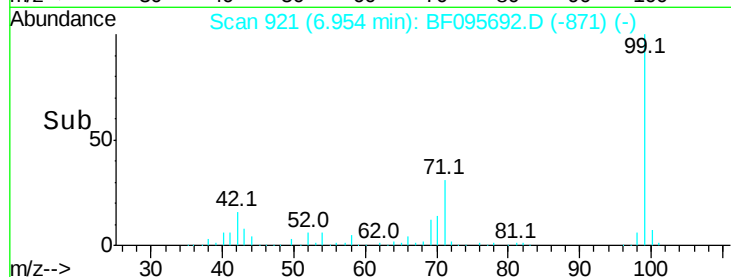
71 31.4 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.85 ng

RT: 8.31 min Scan# 1152

Delta R.T. 0.18 min

Lab File: BF095692.D

Acq: 6 Jun 2017 1:22

Tgt Ion: 70 Resp: 56632

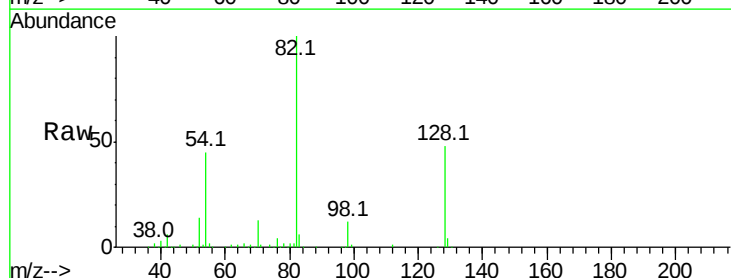
Ion Ratio Lower Upper

70 100

42 44.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

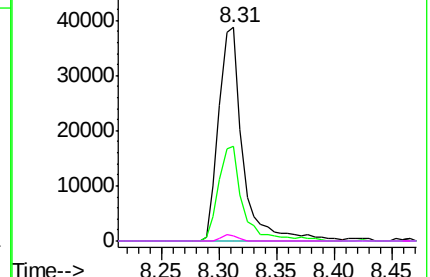
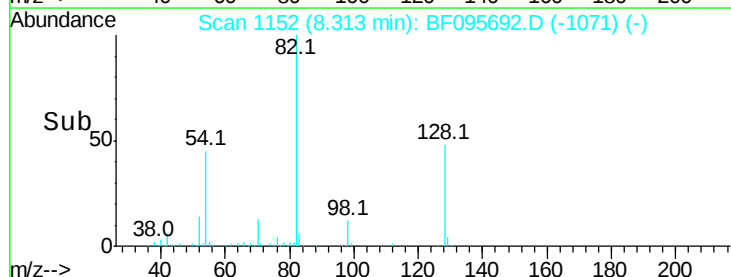


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.43 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BF095692.D

Acq: 6 Jun 2017 1:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 355884

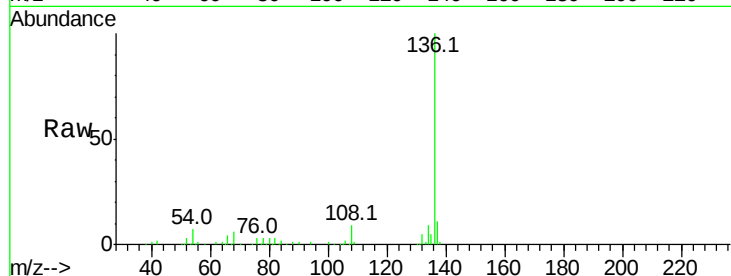
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.6 4.9 7.3

68 5.7 4.1 6.1

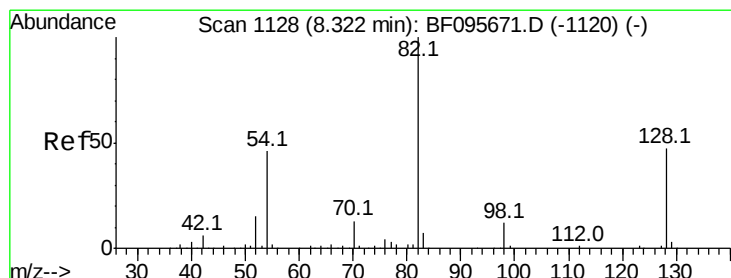
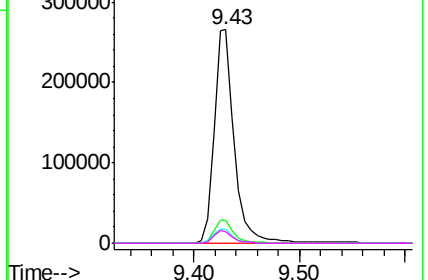
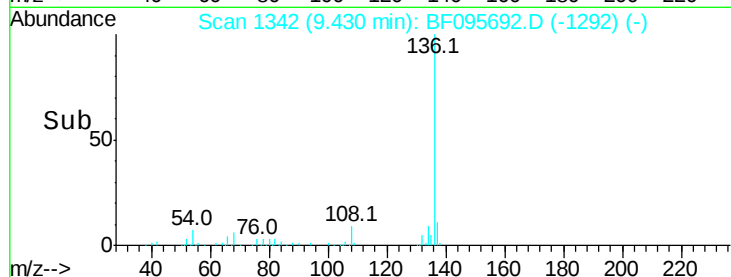


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 78.27 ng

RT: 8.31 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF095692.D

Acq: 6 Jun 2017 1:22

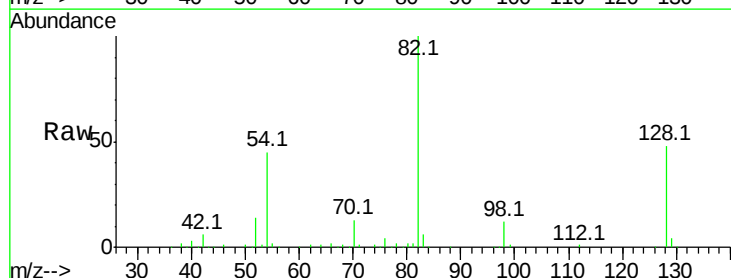
Tgt Ion: 82 Resp: 448533

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

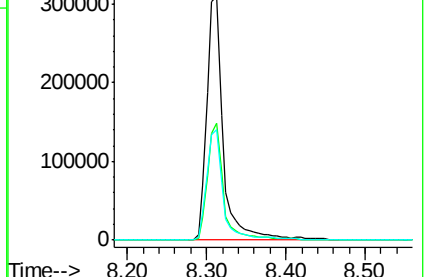
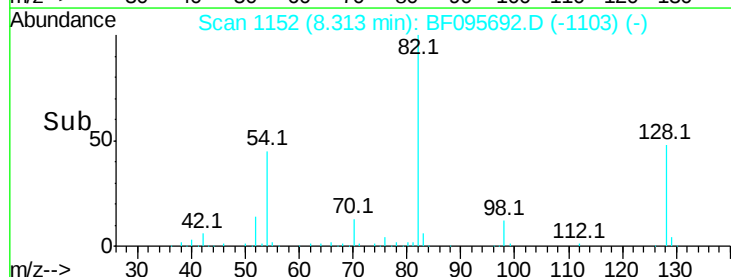
54 45.2 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

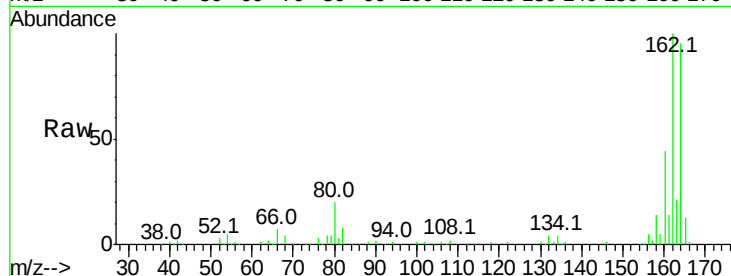




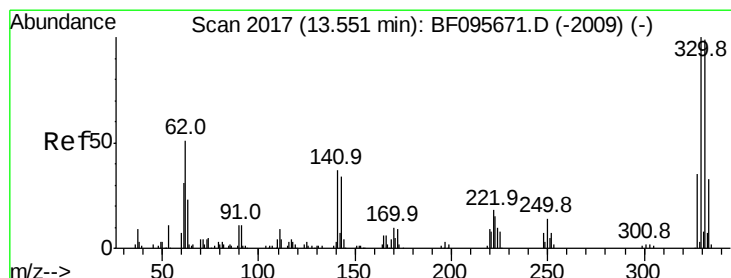
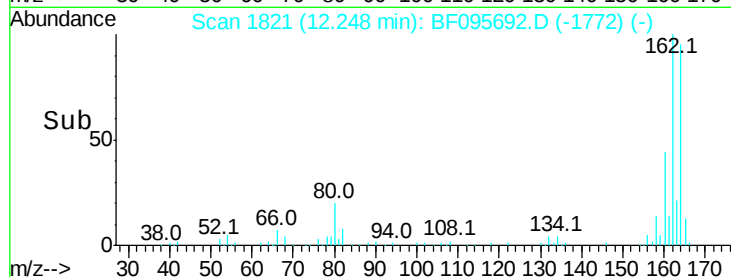
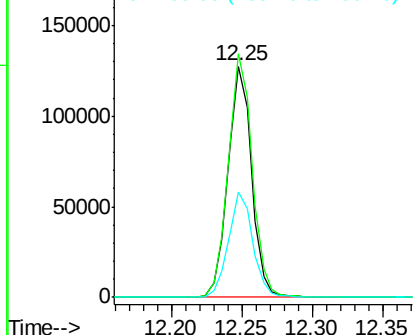
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.25 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF095692.D
Acq: 6 Jun 2017 1:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 148649
Ion Ratio Lower Upper
164 100
162 105.4 82.6 123.8
160 45.9 36.2 54.2

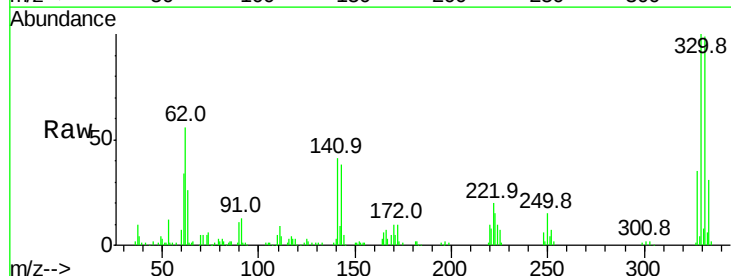


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

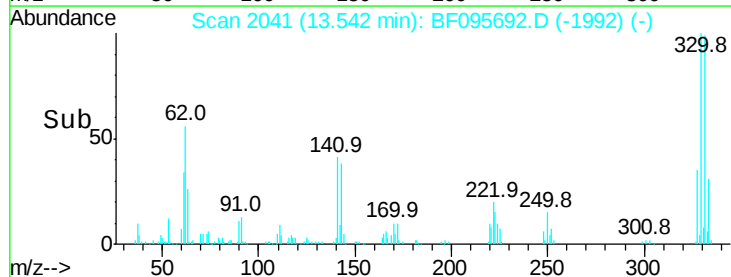
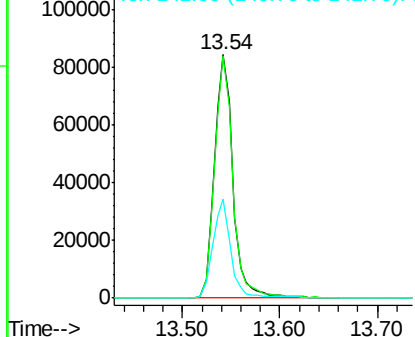


#41
2,4,6-Tribromophenol
Concen: 84.30 ng
RT: 13.54 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF095692.D
Acq: 6 Jun 2017 1:22

Tgt Ion:330 Resp: 110874
Ion Ratio Lower Upper
330 100
332 98.4 76.6 115.0
141 39.0 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

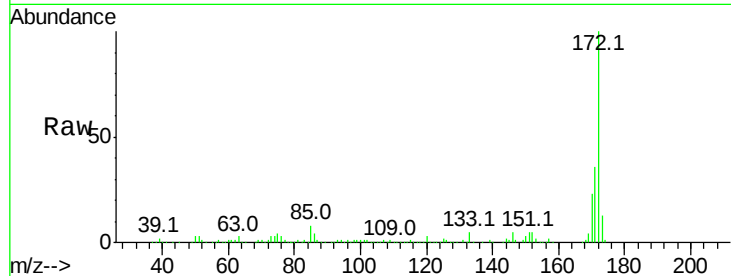




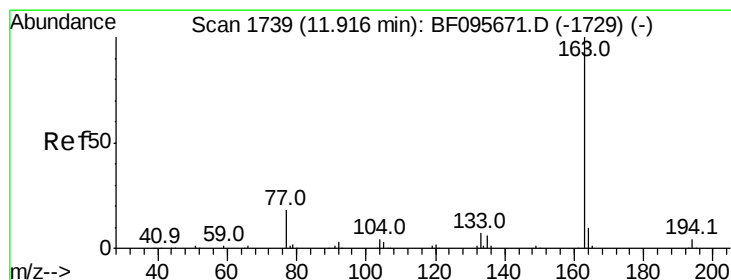
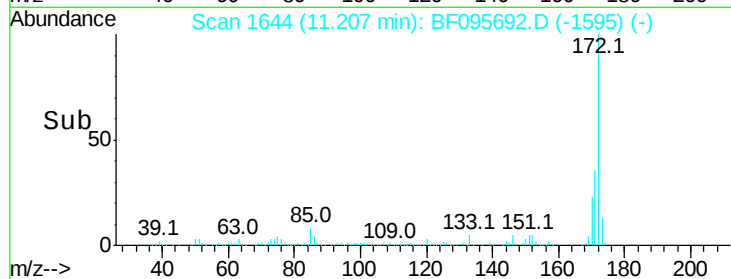
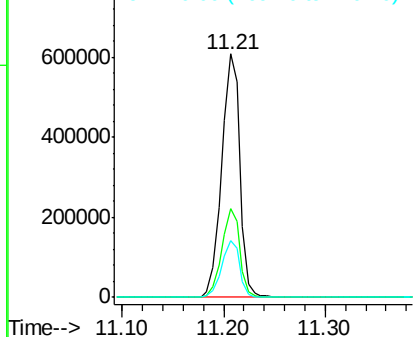
#44
2-Fluorobiphenyl
Concen: 70.77 ng
RT: 11.21 min Scan# 1644
Delta R.T. -0.01 min
Lab File: BF095692.D
Acq: 6 Jun 2017 1:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 755974
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.4 19.8 29.8

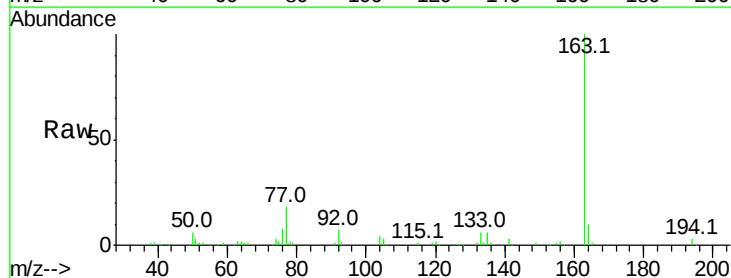


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

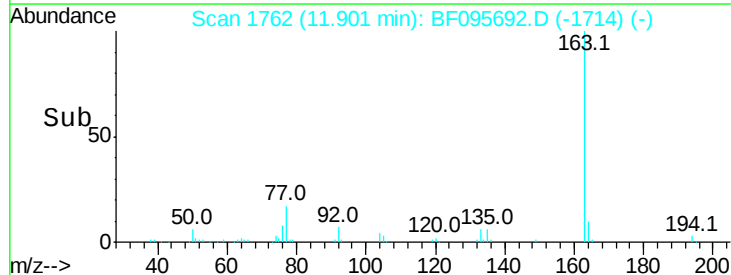
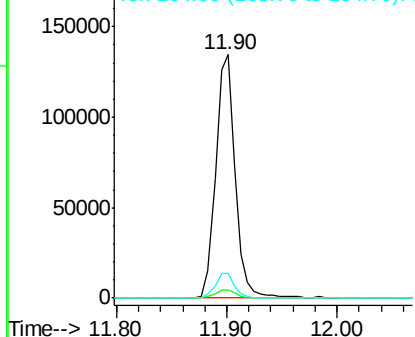


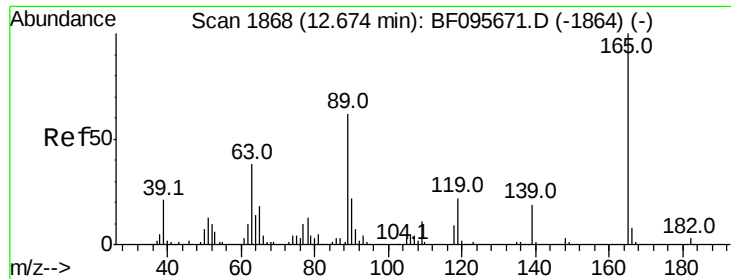
#49
Dimethylphthalate
Concen: 14.52 ng
RT: 11.90 min Scan# 1762
Delta R.T. -0.01 min
Lab File: BF095692.D
Acq: 6 Jun 2017 1:22

Tgt Ion:163 Resp: 163909
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

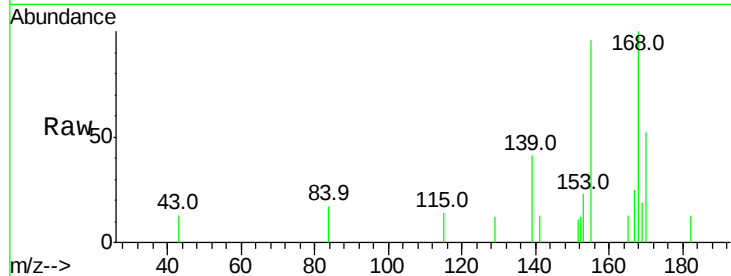




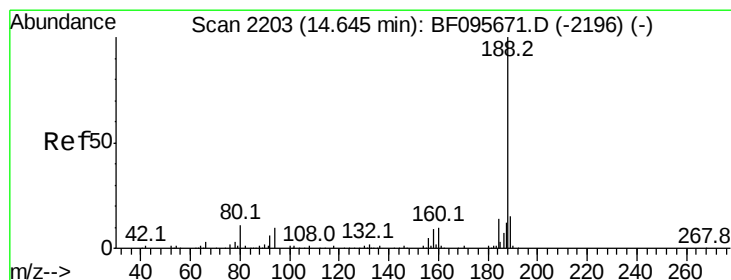
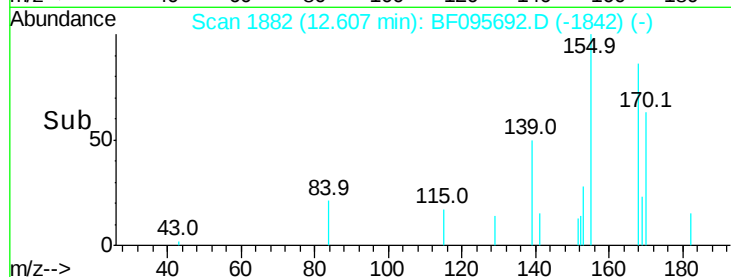
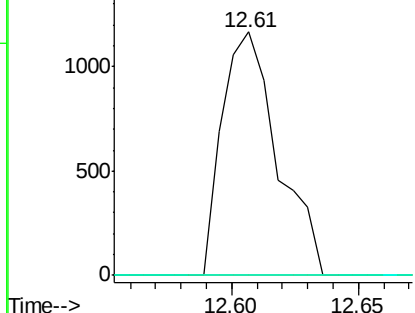
#55
4-Nitrophenol
Concen: 5.63 ng
RT: 12.61 min Scan# 1882
Delta R.T. -0.07 min
Lab File: BF095692.D
Acq: 6 Jun 2017 1:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 1780
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

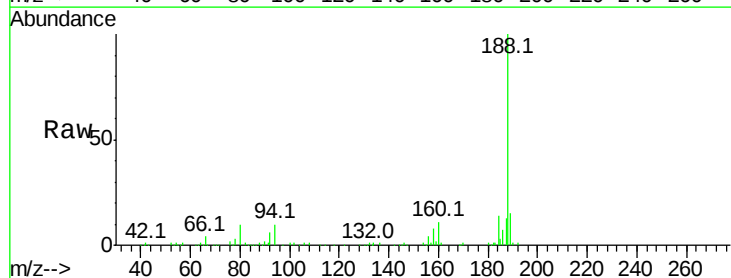


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

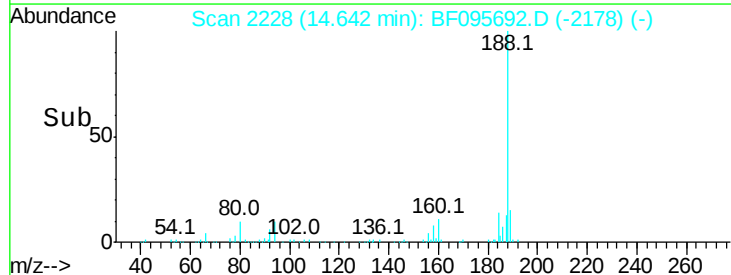
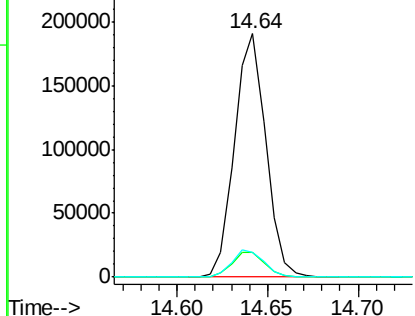


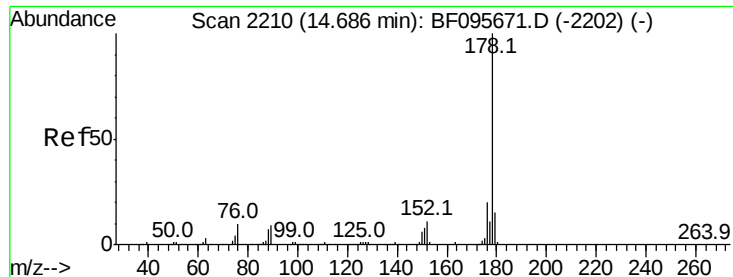
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.64 min Scan# 2228
Delta R.T. -0.00 min
Lab File: BF095692.D
Acq: 6 Jun 2017 1:22

Tgt Ion:188 Resp: 229549
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.2
80 10.1 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: 9.08 ng

RT: 14.68 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF095692.D

Acq: 6 Jun 2017 1:22

Instrument :

BNA_F

ClientSampleId :

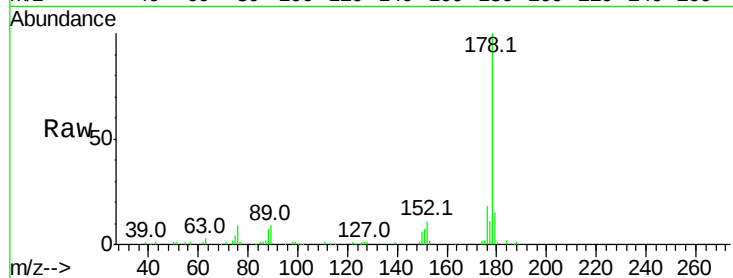
Tot Ion:178 Resp: 120285

Ion Ratio Lower Upper

178 100

176 18.4 16.2 24.4

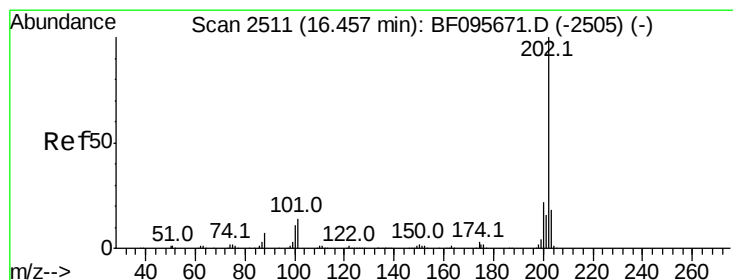
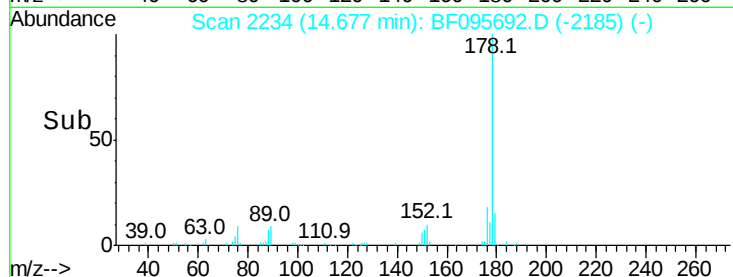
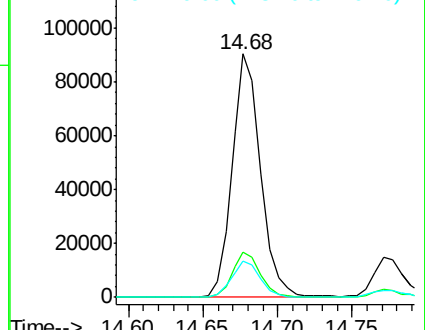
179 14.9 12.6 19.0



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: 6.61 ng

RT: 16.45 min Scan# 2536

Delta R.T. -0.00 min

Lab File: BF095692.D

Acq: 6 Jun 2017 1:22

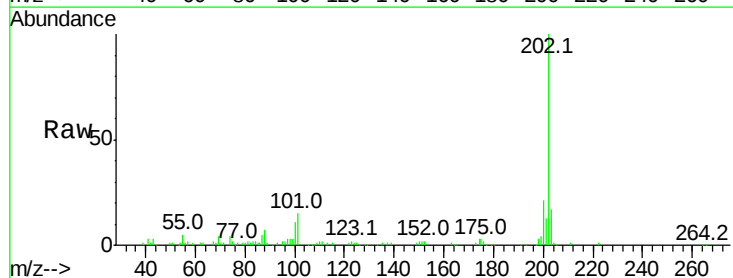
Tgt Ion:202 Resp: 86619

Ion Ratio Lower Upper

202 100

101 14.5 0.0 33.2

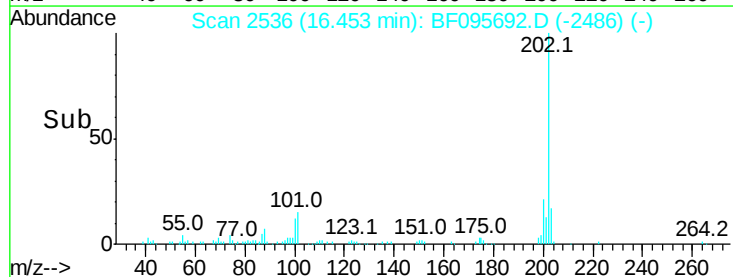
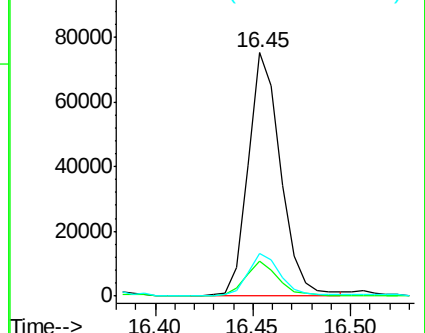
203 17.4 0.0 38.1

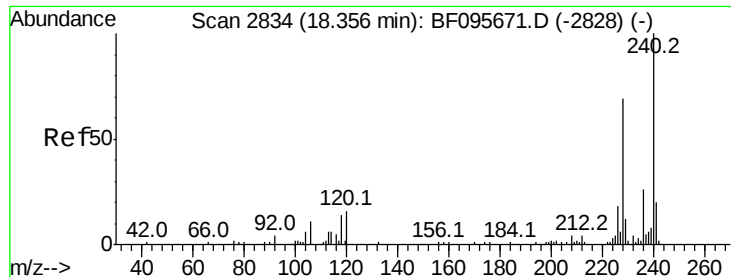


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.35 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BF095692.D

Acq: 6 Jun 2017 1:22

Instrument :

BNA_F

ClientSampleId :

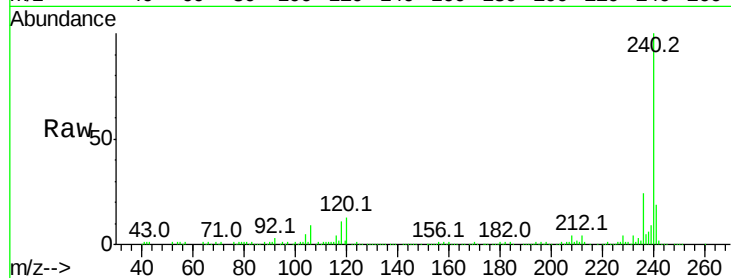
Tot Ion:240 Resp: 205346

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

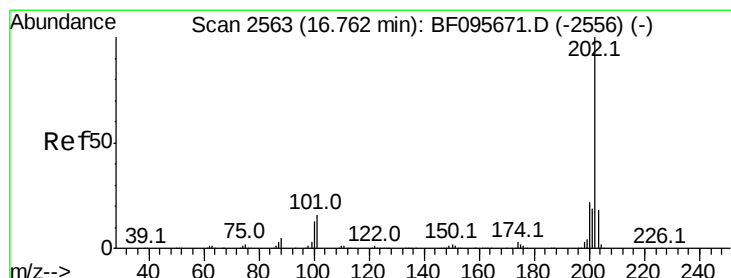
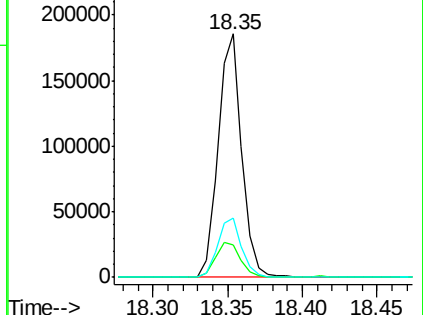
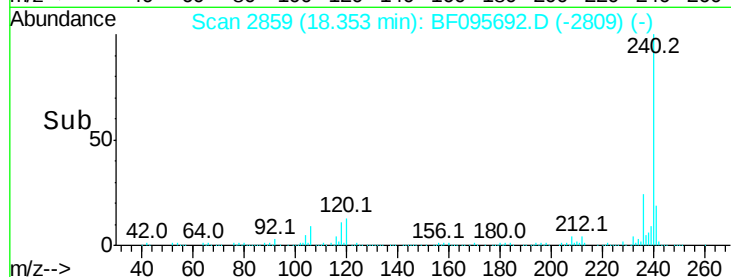
236 24.2 20.5 30.7



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: 6.09 ng

RT: 16.76 min Scan# 2588

Delta R.T. -0.00 min

Lab File: BF095692.D

Acq: 6 Jun 2017 1:22

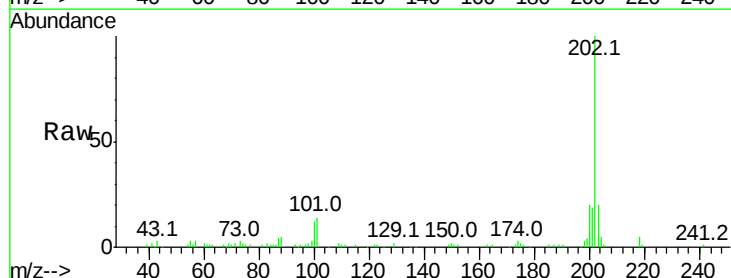
Tgt Ion:202 Resp: 93280

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

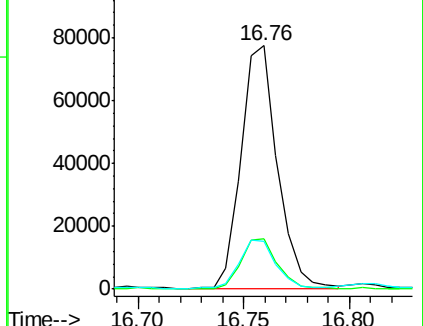
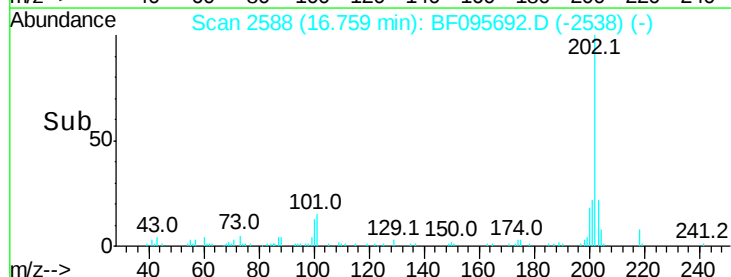
203 19.5 14.4 21.6

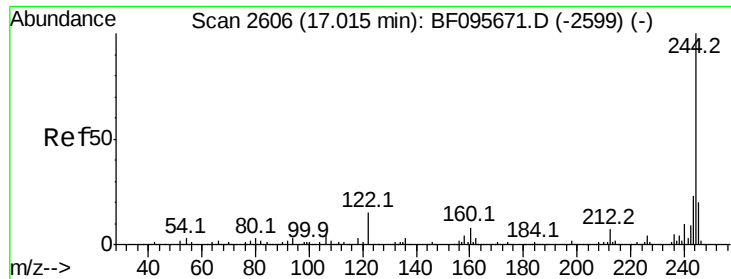


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

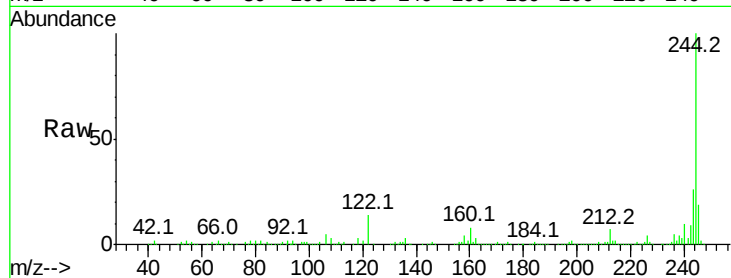




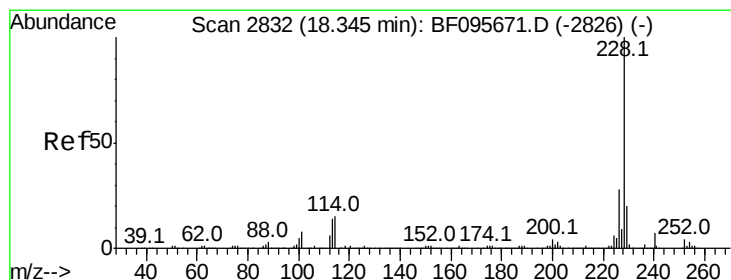
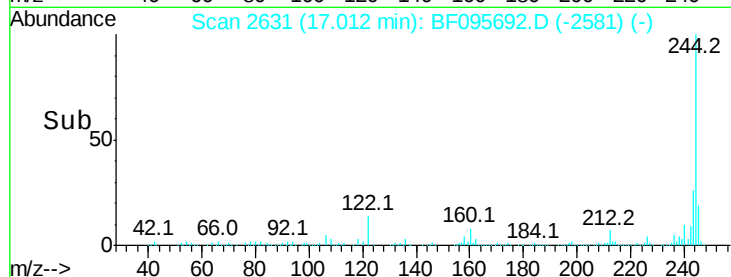
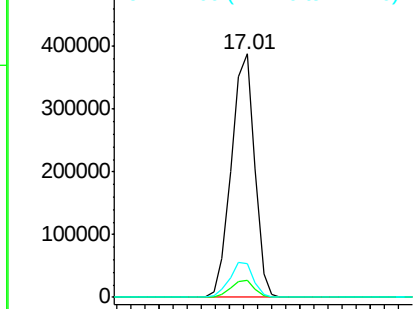
#78
 Terphenyl-d14
 Concen: 53.98 ng
 RT: 17.01 min Scan# 2631
 Delta R.T. -0.00 min
 Lab File: BF095692.D
 Acq: 6 Jun 2017 1:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 446627
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 13.7 10.3 15.5

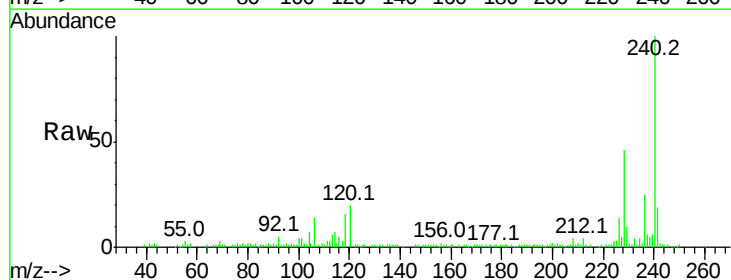


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

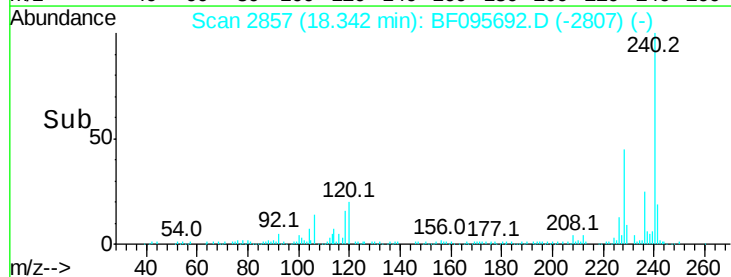
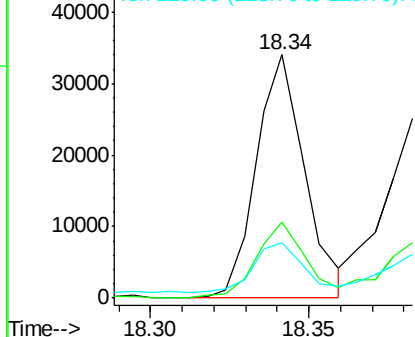


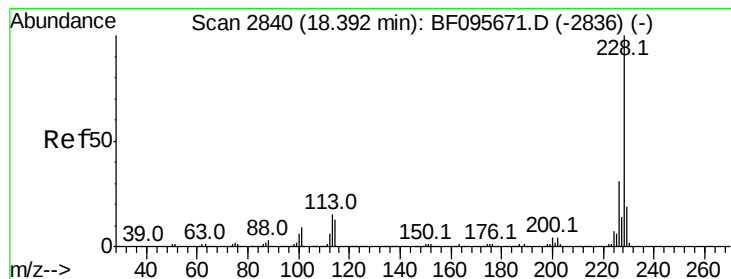
#80
 Benzo(a)anthracene
 Concen: 3.04 ng
 RT: 18.34 min Scan# 2857
 Delta R.T. -0.00 min
 Lab File: BF095692.D
 Acq: 6 Jun 2017 1:22

Tgt Ion:228 Resp: 36275
 Ion Ratio Lower Upper
 228 100
 226 31.2 22.6 33.8
 229 22.6 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: 3.04 ng

RT: 18.34 min Scan# 2857

Delta R.T. -0.05 min

Lab File: BF095692.D

Acq: 6 Jun 2017 1:22

Instrument :

BNA_F

ClientSampleId :

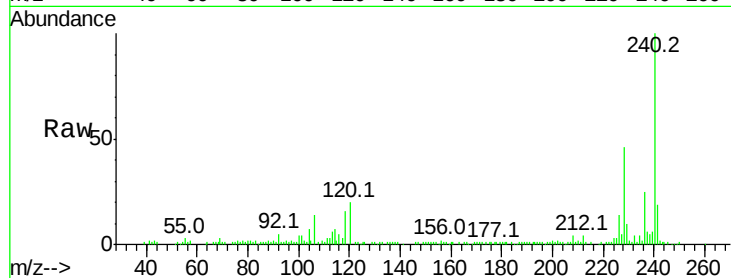
Tot Ion:228 Resp: 36275

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

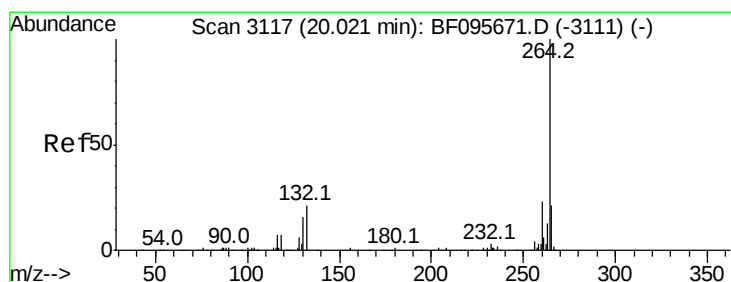
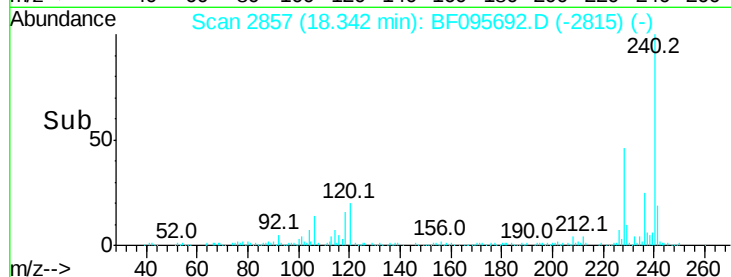
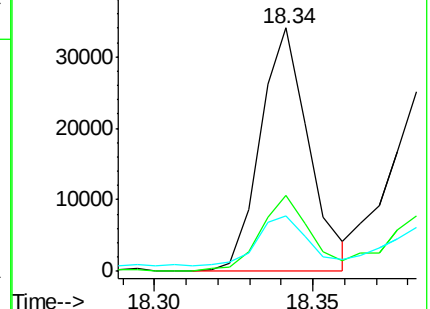
229 22.6 15.8 23.6



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: 20.02 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BF095692.D

Acq: 6 Jun 2017 1:22

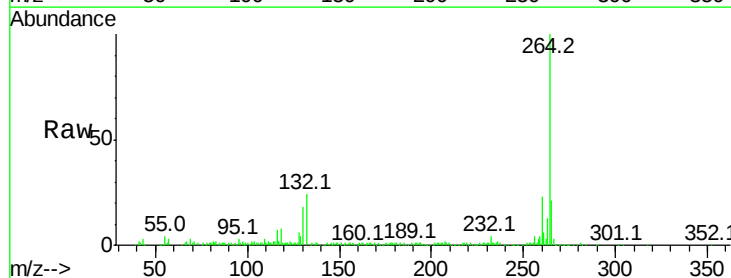
Tgt Ion:264 Resp: 154026

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

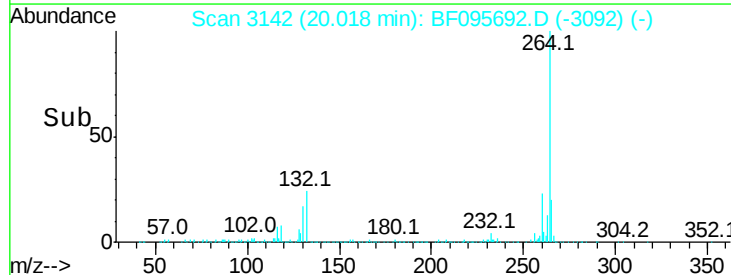
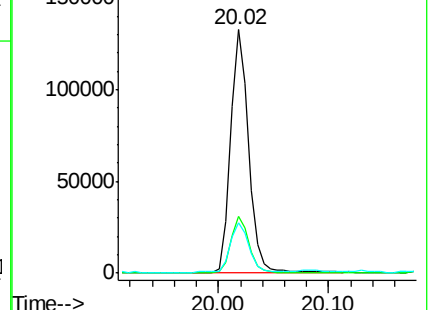
265 20.7 17.2 25.8

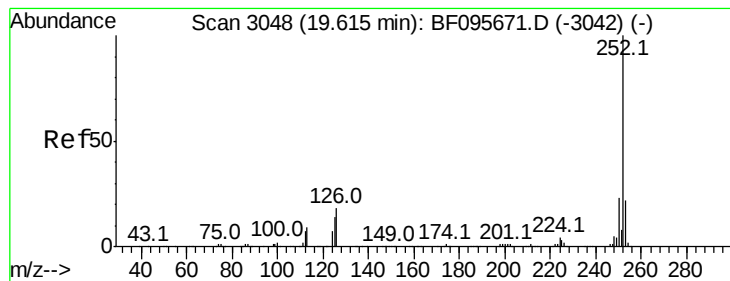


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.81 ng

RT: 19.62 min Scan# 3074

Delta R.T. 0.00 min

Lab File: BF095692.D

Acq: 6 Jun 2017 1:22

Instrument :

BNA_F

ClientSampleId :

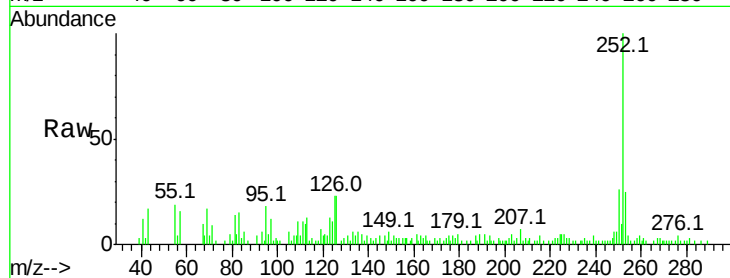
Tot Ion:252 Resp: 36703

Ion Ratio Lower Upper

252 100

253 24.7 18.1 27.1

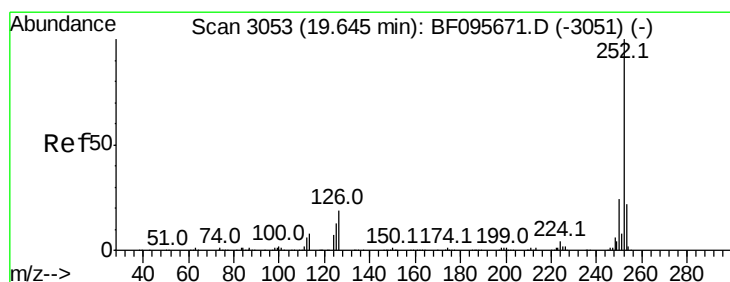
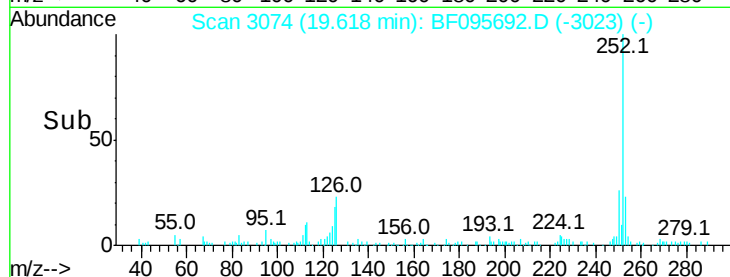
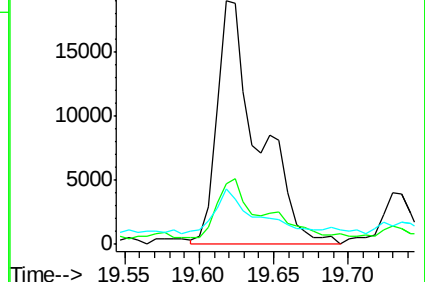
125 22.6 9.8 14.8#



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: 3.98 ng

RT: 19.62 min Scan# 3074

Delta R.T. -0.03 min

Lab File: BF095692.D

Acq: 6 Jun 2017 1:22

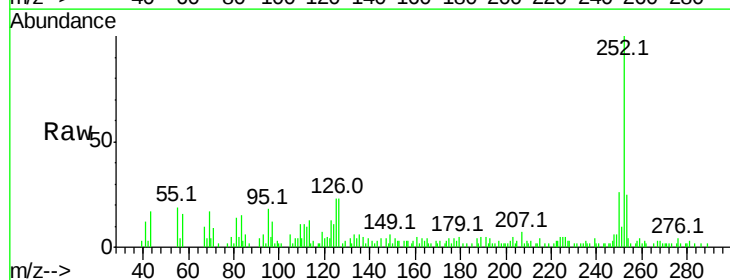
Tgt Ion:252 Resp: 36703

Ion Ratio Lower Upper

252 100

253 24.7 18.4 27.6

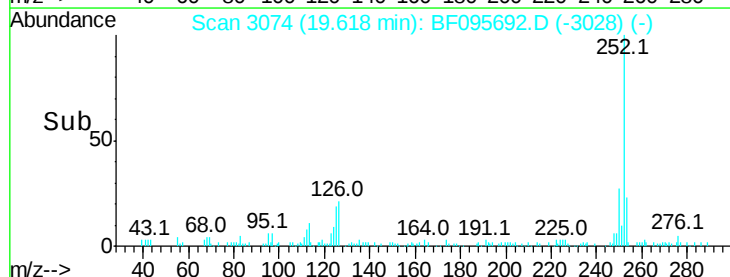
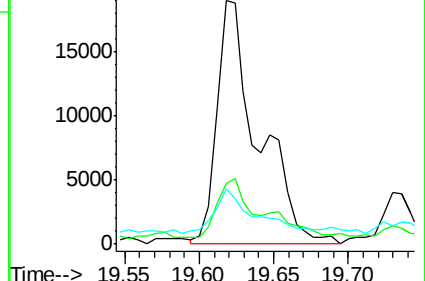
125 22.6 13.1 19.7#

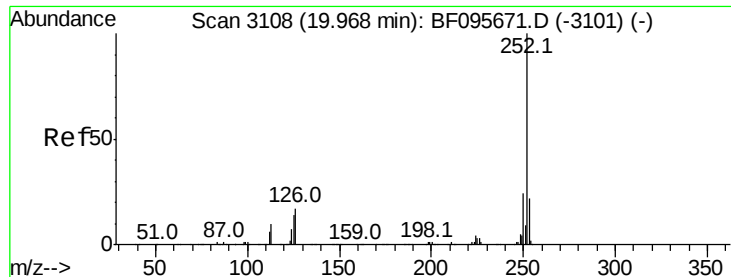


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.55 ng

RT: 19.96 min Scan# 3133

Delta R.T. -0.00 min

Lab File: BF095692.D

Acq: 6 Jun 2017 1:22

Instrument :

BNA_F

ClientSampleId :

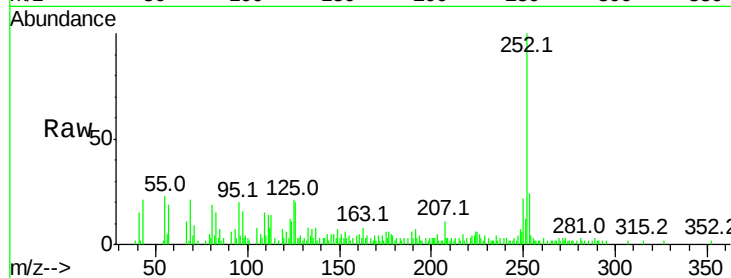
Tot Ion:252 Resp: 22597

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 20.5 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

