

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
 Data File : BF099017.D
 Acq On : 2 Oct 2017 23:20
 Operator : SJ/JU
 Sample : I5531-11 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:04:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

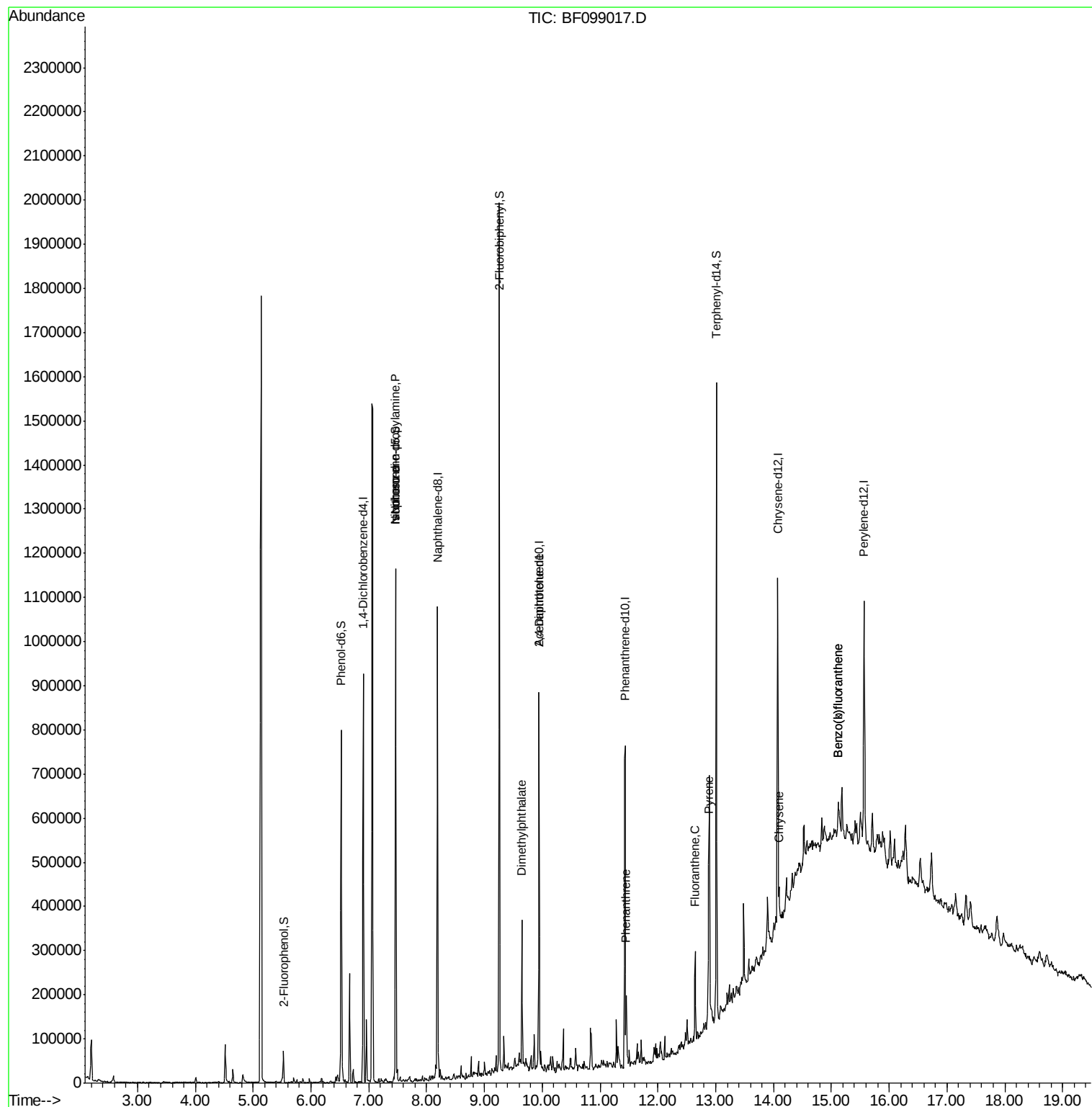
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	122158	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	452096	20.00	ng	-0.02
38) Acenaphthene-d10	9.95	164	168498	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	256533	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	254298	20.00	ng	-0.01
86) Perylene-d12	15.57	264	211729	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	19139	2.49	ng	-0.02
7) Phenol-d6	6.52	99	240914	25.45	ng	-0.02
23) Nitrobenzene-d5	7.46	82	361358	51.26	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	1007	0.73	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	609403	60.38	ng	-0.02
78) Terphenyl-d14	13.02	244	447458	40.02	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	48552	8.03	ng	# 73
25) Isophorone	7.46	82	357770	24.55	ng	# 64
49) Dimethylphthalate	9.65	163	98439	7.74	ng	# 98
56) 2,4-Dinitrotoluene	9.95	165	21706	6.04	ng	# 24
70) Phenanthrene	11.45	178	62620	4.56	ng	97
74) Fluoranthene	12.64	202	68719	4.94	ng	99
77) Pyrene	12.87	202	65279	3.37	ng	98
82) Chrysene	14.10	228	29709	2.03	ng	97
87) Benzo(b)fluoranthene	15.12	252	37793	2.90	ng	# 60
88) Benzo(k)fluoranthene	15.12	252	37793	2.94	ng	# 63

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

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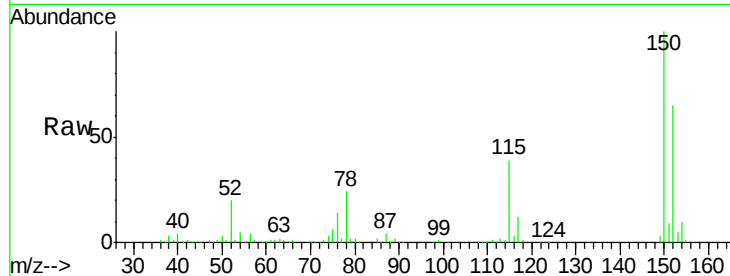


#1

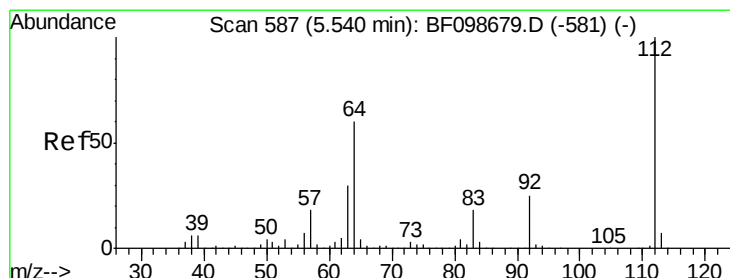
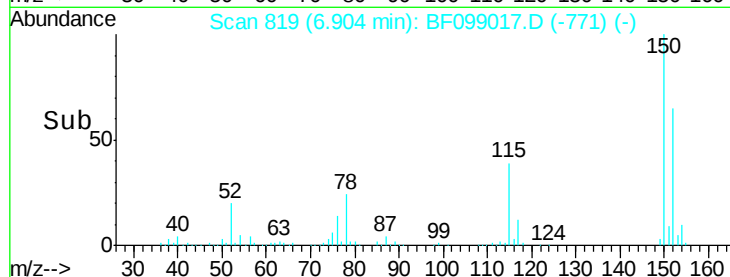
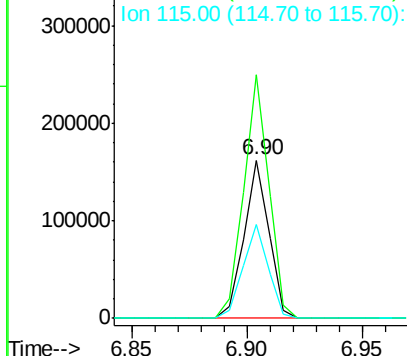
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF099017.D
Acq: 2 Oct 2017 23:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122158
Ion Ratio Lower Upper
152 100
150 153.9 124.6 186.8
115 59.7 50.1 75.1



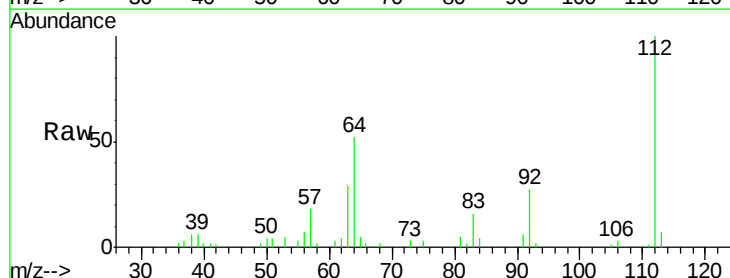
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



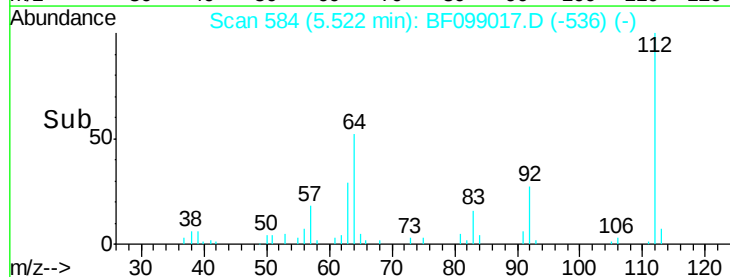
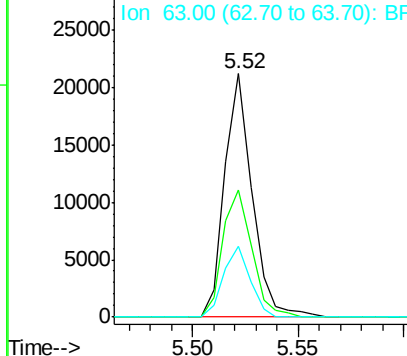
#5

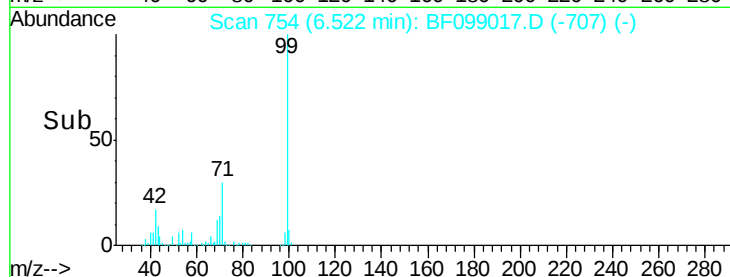
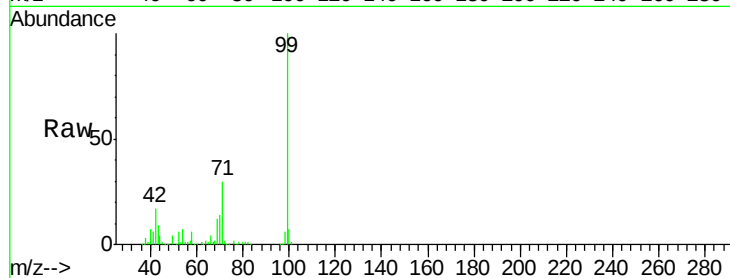
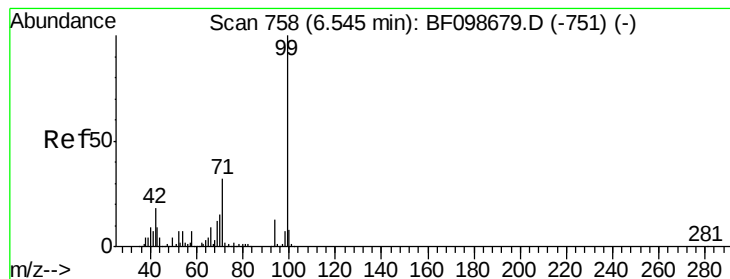
2-Fluorophenol
Concen: 2.49 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF099017.D
Acq: 2 Oct 2017 23:20

Tgt Ion:112 Resp: 19139
Ion Ratio Lower Upper
112 100
64 52.0 47.9 71.9
63 28.9 23.7 35.5



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: 25.45 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF099017.D

Acq: 2 Oct 2017 23:20

Instrument :

BNA_F

ClientSampleId :

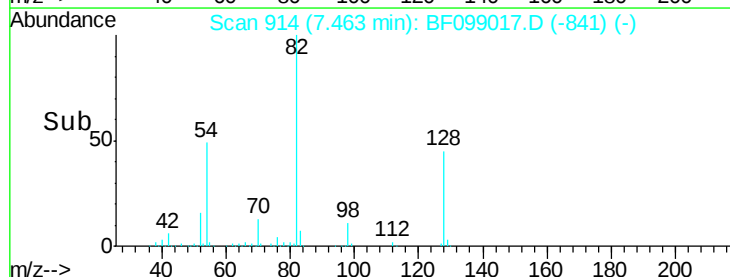
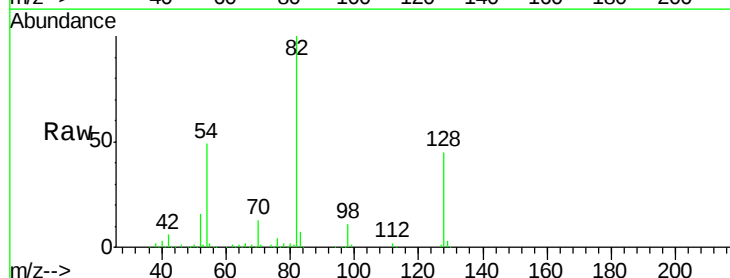
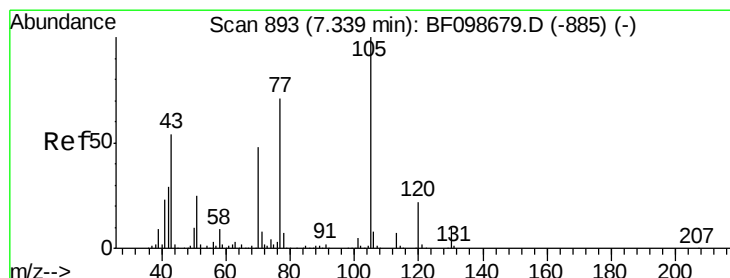
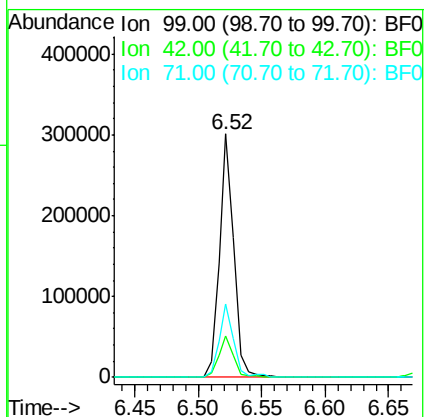
Tot Ion: 99 Resp: 240914

Ion Ratio Lower Upper

99 100

42 16.8 14.5 21.7

71 30.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 8.03 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.13 min

Lab File: BF099017.D

Acq: 2 Oct 2017 23:20

Tgt Ion: 70 Resp: 48552

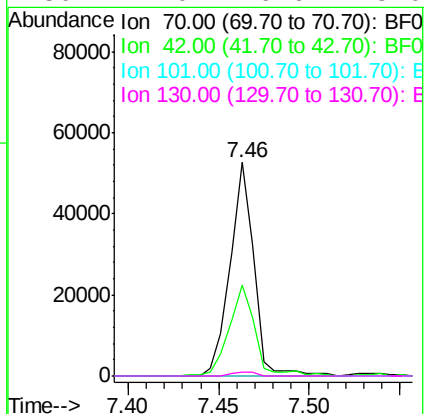
Ion Ratio Lower Upper

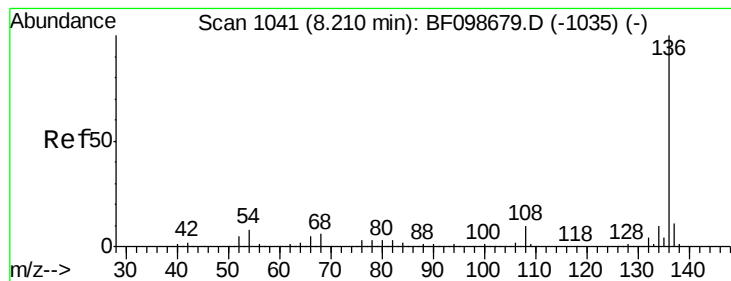
70 100

42 42.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF099017.D

Acq: 2 Oct 2017 23:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 452096

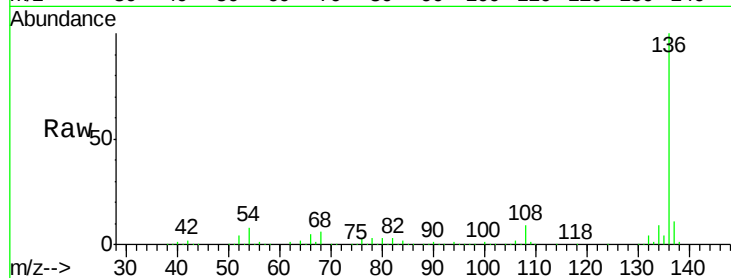
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.7 6.6 9.8

68 6.0 5.0 7.4

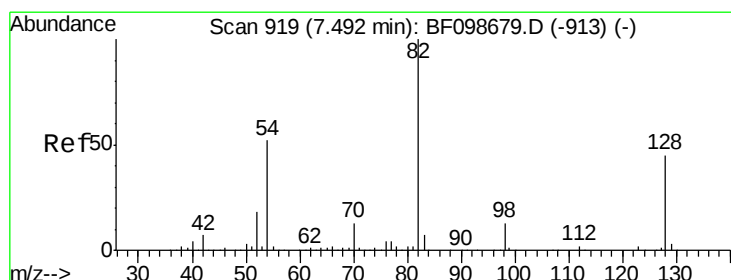
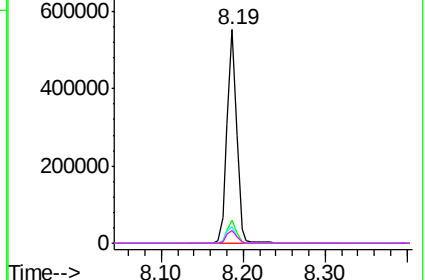
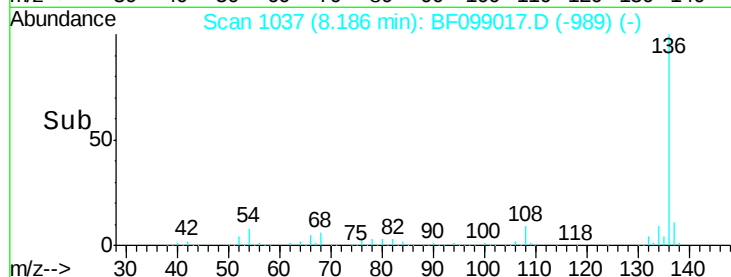


Abundance Ion 136.00 (135.70 to 136.70): E

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: 51.26 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.02 min

Lab File: BF099017.D

Acq: 2 Oct 2017 23:20

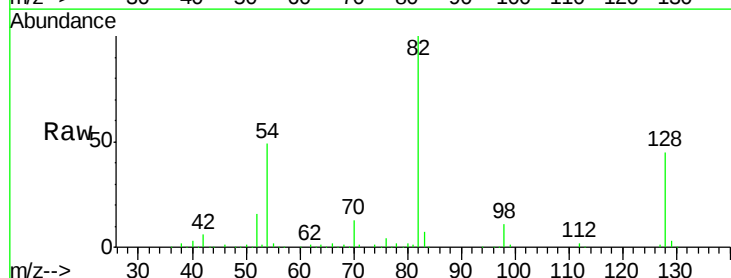
Tgt Ion: 82 Resp: 361358

Ion Ratio Lower Upper

82 100

128 44.9 36.1 54.1

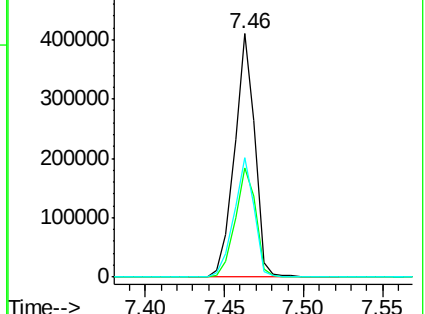
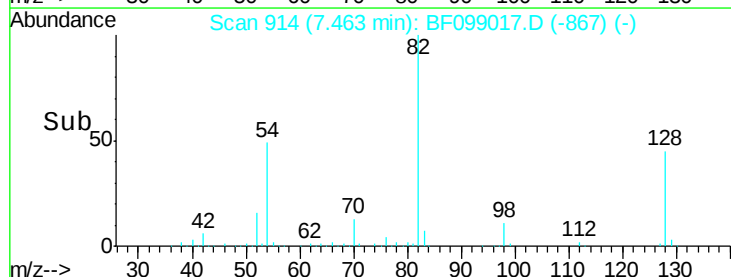
54 48.8 41.4 62.2

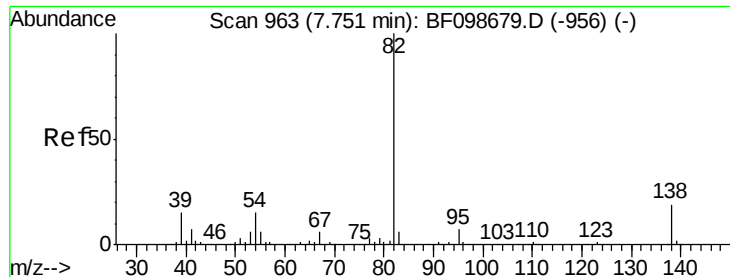


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 24.55 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.28 min

Lab File: BF099017.D

Acq: 2 Oct 2017 23:20

Instrument :

BNA_F

ClientSampleId :

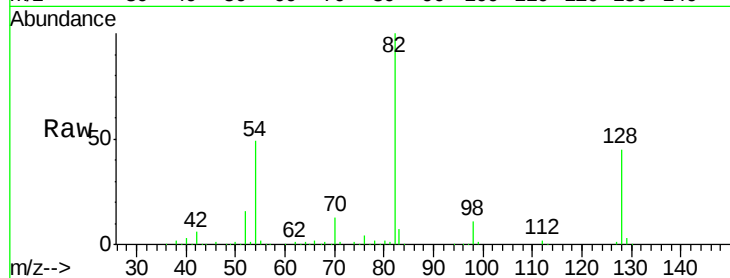
Tot Ion: 82 Resp: 357770

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

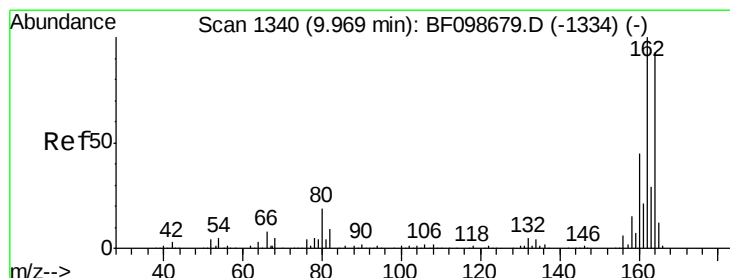
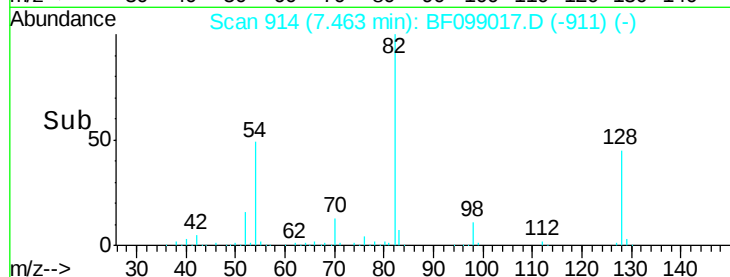
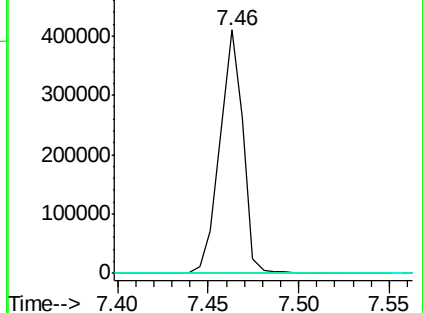
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF099017.D

Acq: 2 Oct 2017 23:20

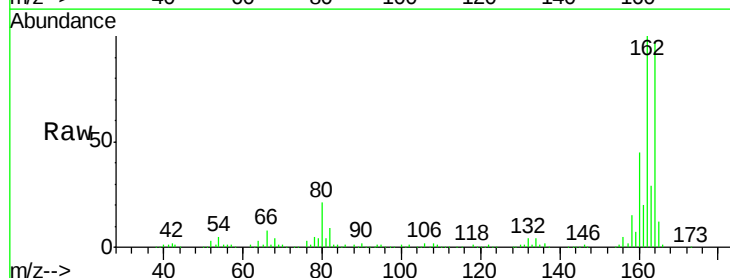
Tgt Ion:164 Resp: 168498

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

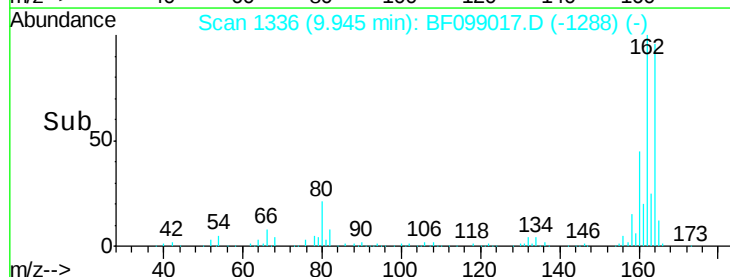
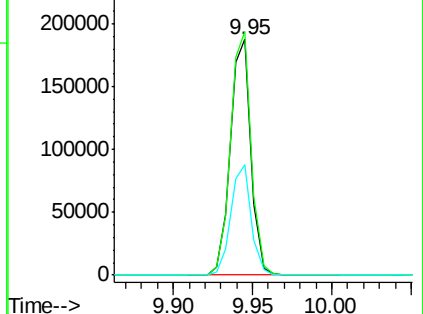
160 46.8 38.3 57.5

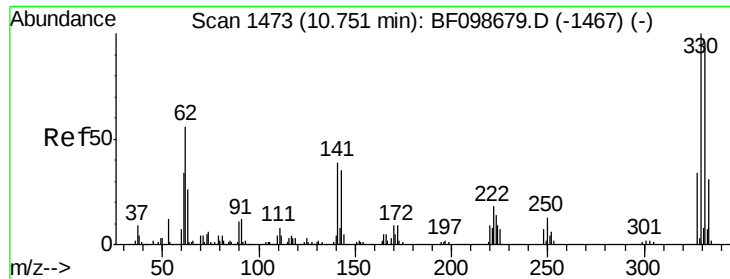


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

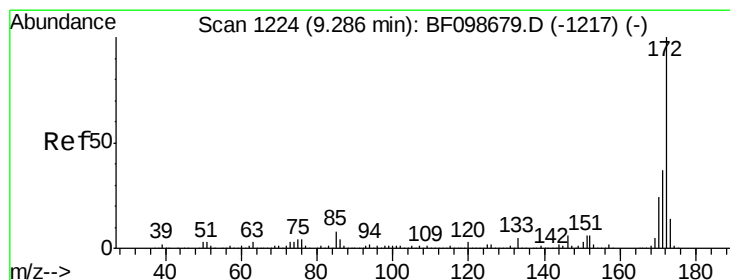
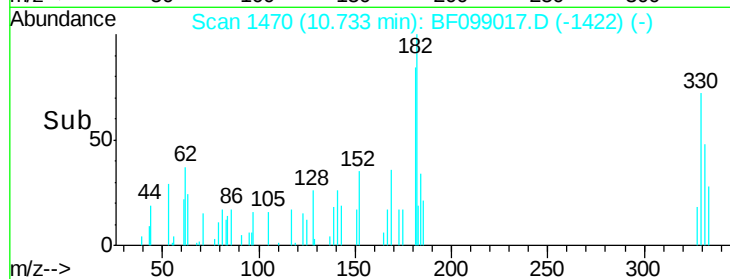
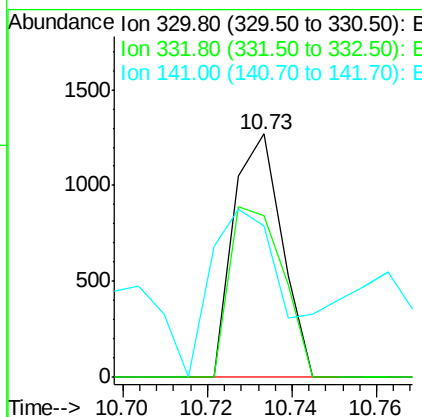
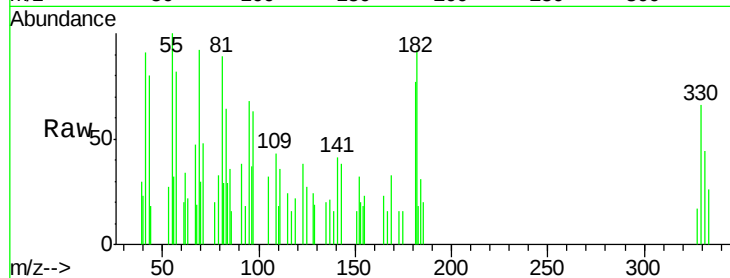




#41
 2,4,6-Tribromophenol
 Concen: 0.73 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF099017.D
 Acq: 2 Oct 2017 23:20

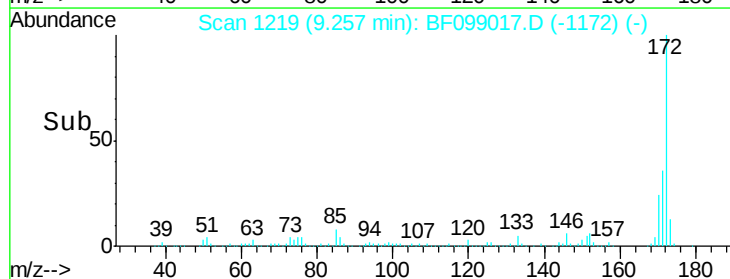
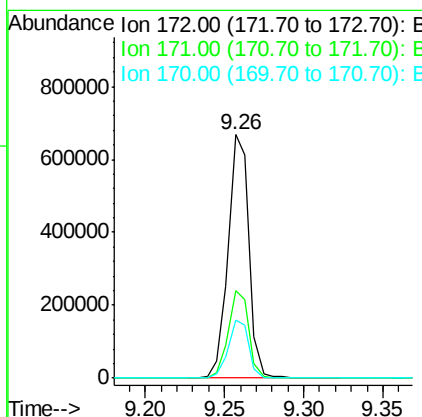
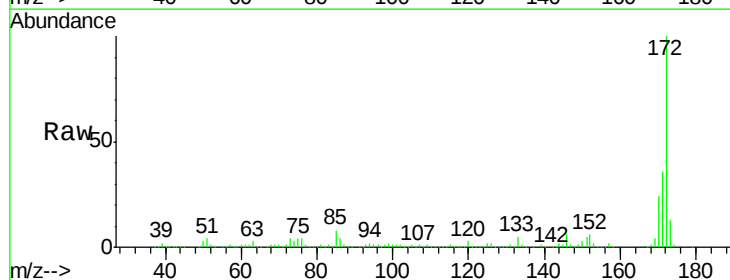
Instrument :
 BNA_F
 ClientSampleId :

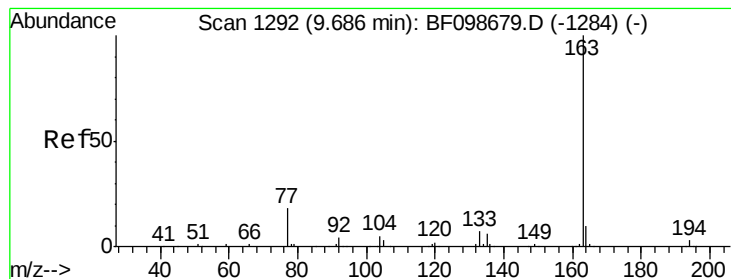
Tot Ion:330 Resp: 1007
 Ion Ratio Lower Upper
 330 100
 332 77.7 77.0 115.6
 141 104.9 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 60.38 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: BF099017.D
 Acq: 2 Oct 2017 23:20

Tgt Ion:172 Resp: 609403
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 24.0 19.6 29.4





#49

Dimethylphthalate

Concen: 7.74 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.03 min

Lab File: BF099017.D

Acq: 2 Oct 2017 23:20

Instrument :

BNA_F

ClientSampleId :

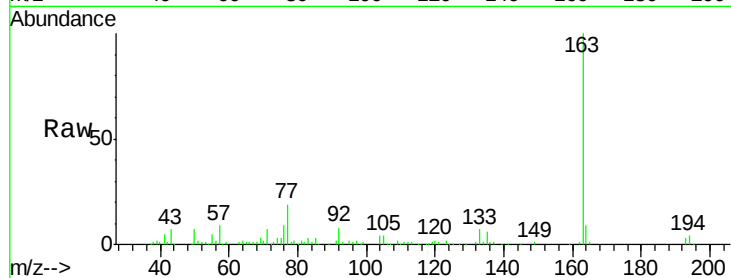
Tot Ion:163 Resp: 98439

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1#

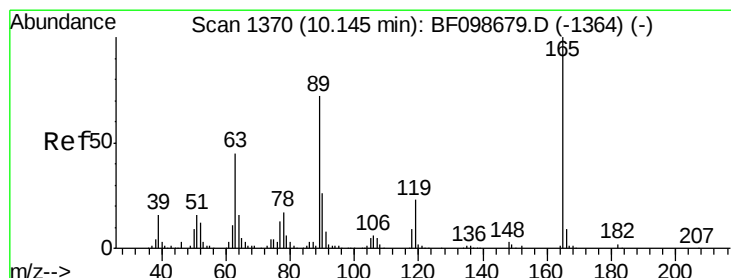
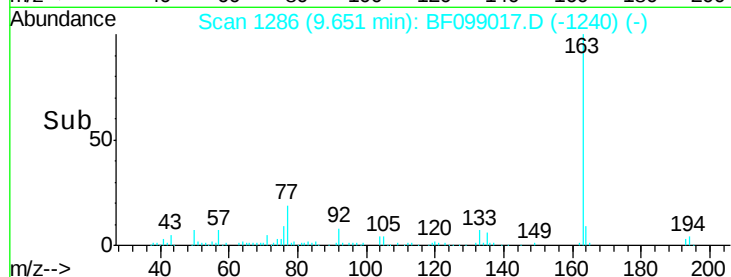
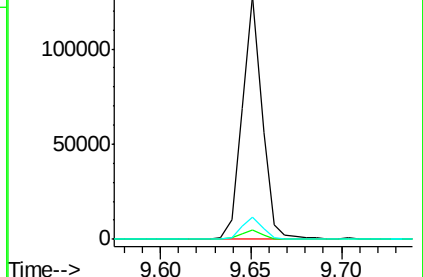
164 9.3 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.04 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.20 min

Lab File: BF099017.D

Acq: 2 Oct 2017 23:20

Tgt Ion:165 Resp: 21706

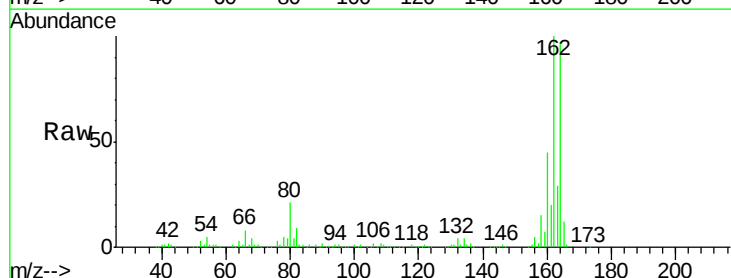
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 2.3 57.8 86.6#

182 0.0 1.6 2.4#

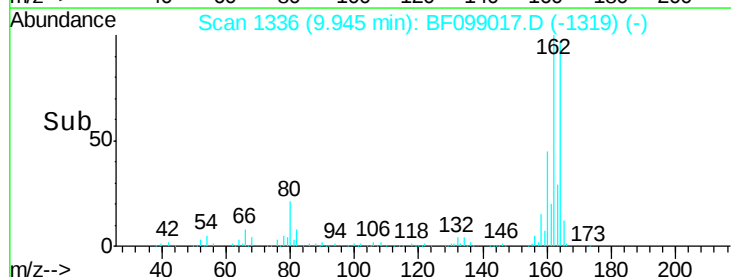
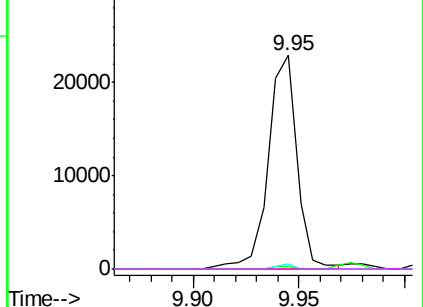


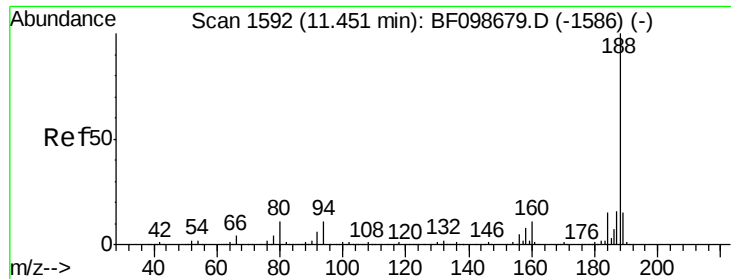
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

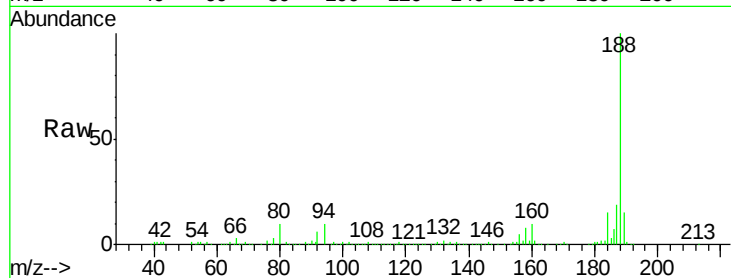




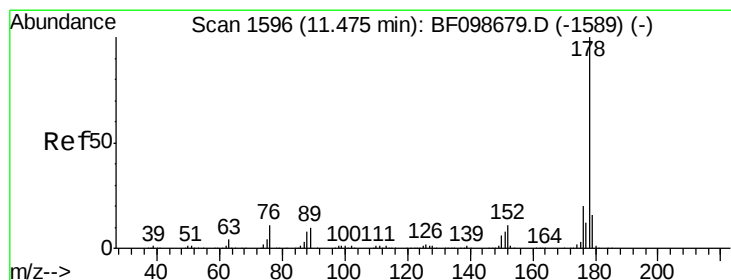
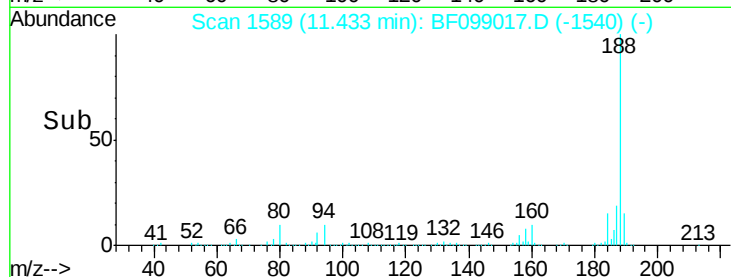
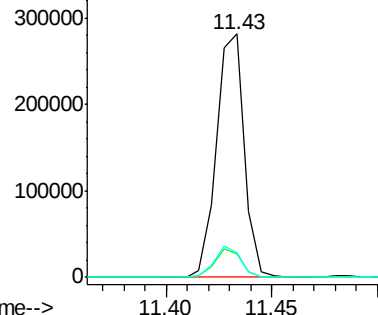
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF099017.D
Acq: 2 Oct 2017 23:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 256533
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 10.4 9.2 13.8

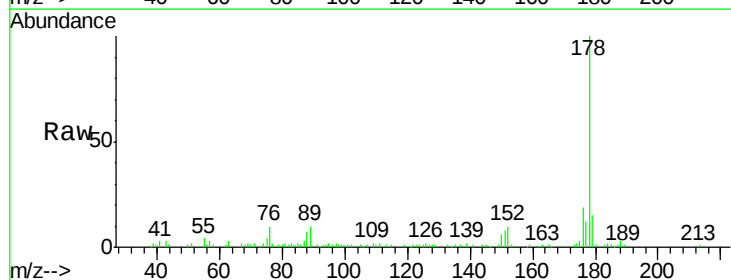


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

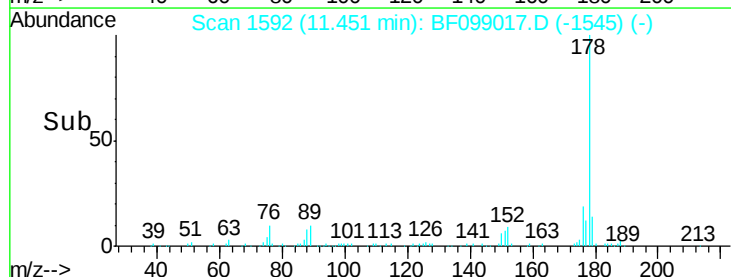
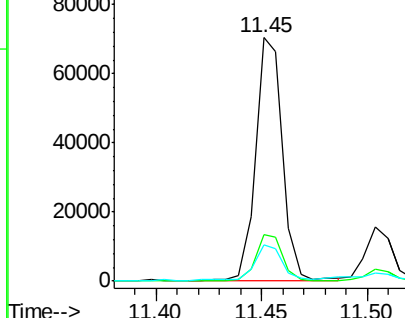


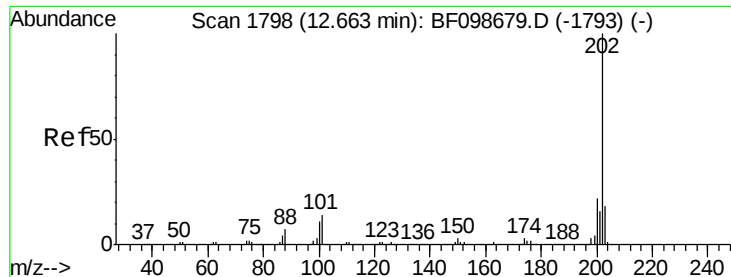
#70
Phenanthrene
Concen: 4.56 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.02 min
Lab File: BF099017.D
Acq: 2 Oct 2017 23:20

Tgt Ion:178 Resp: 62620
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.0 13.0 19.6



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: 4.94 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF099017.D

Acq: 2 Oct 2017 23:20

Instrument :

BNA_F

ClientSampleId :

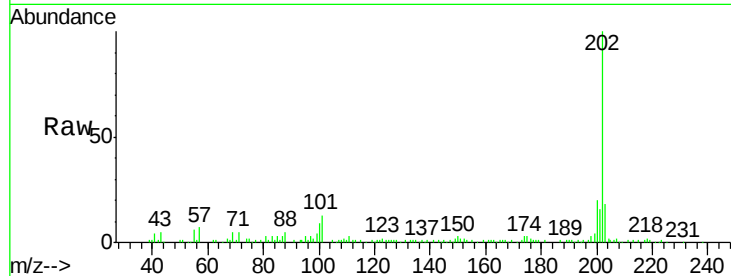
Tot Ion:202 Resp: 68719

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

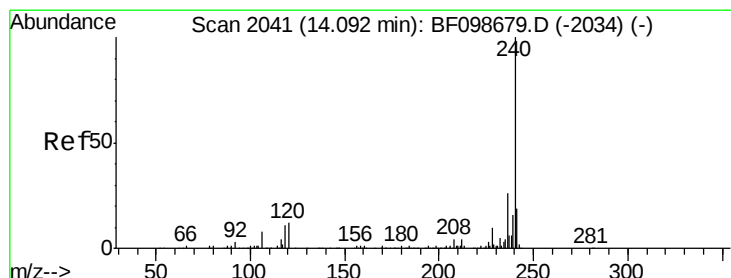
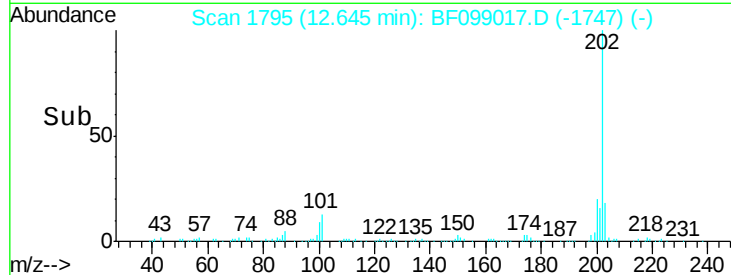
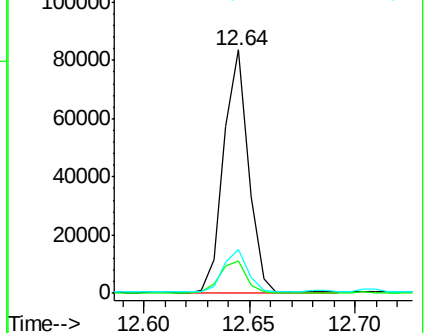
203 18.0 0.0 38.1



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: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF099017.D

Acq: 2 Oct 2017 23:20

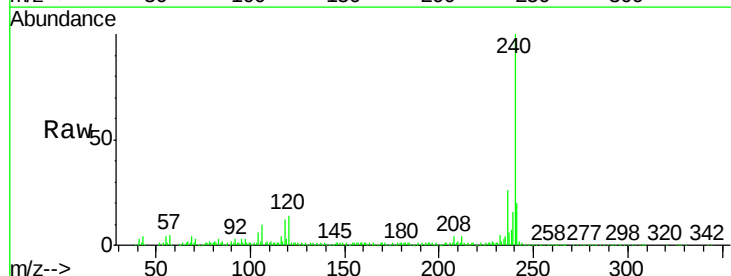
Tgt Ion:240 Resp: 254298

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

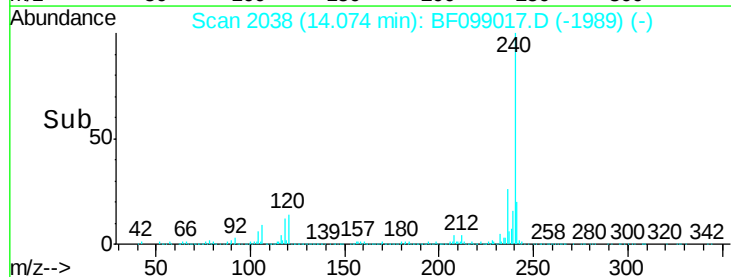
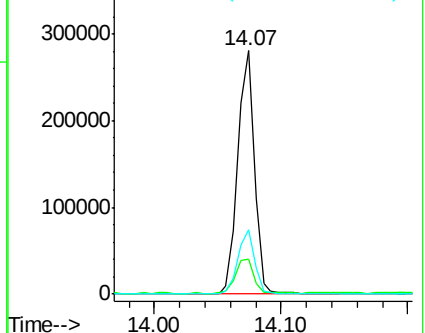
236 26.4 20.7 31.1

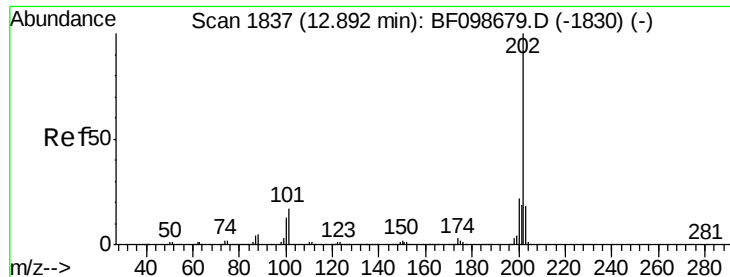


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.37 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF099017.D

Acq: 2 Oct 2017 23:20

Instrument :

BNA_F

ClientSampled :

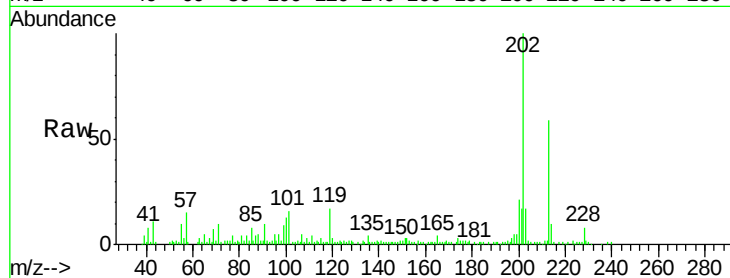
Tot Ion:202 Resp: 65279

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

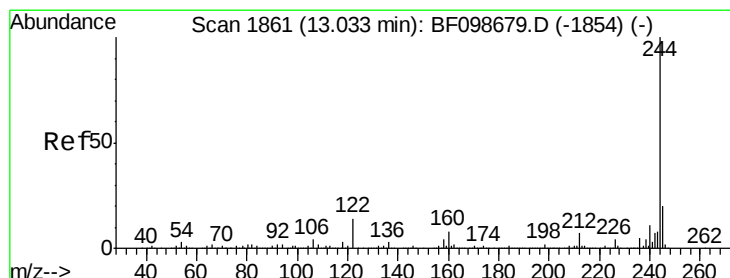
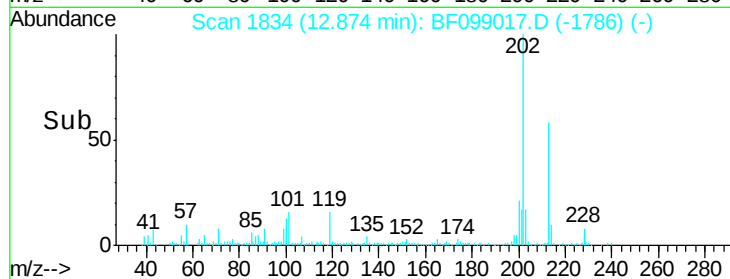
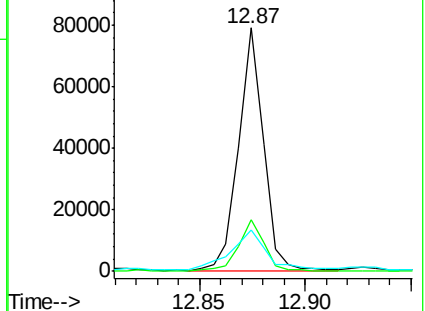
203 17.2 14.3 21.5



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: 40.02 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF099017.D

Acq: 2 Oct 2017 23:20

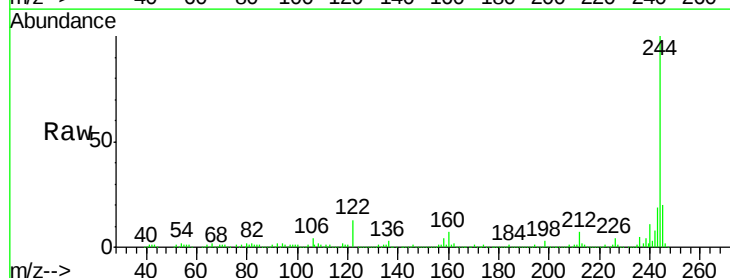
Tgt Ion:244 Resp: 447458

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

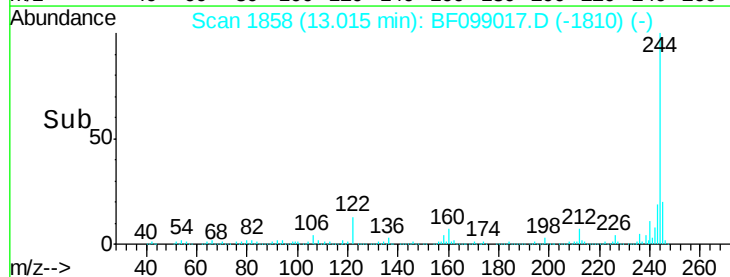
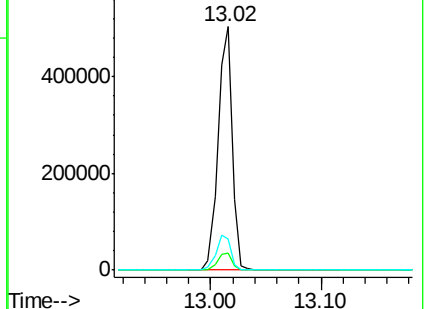
122 12.8 11.0 16.4

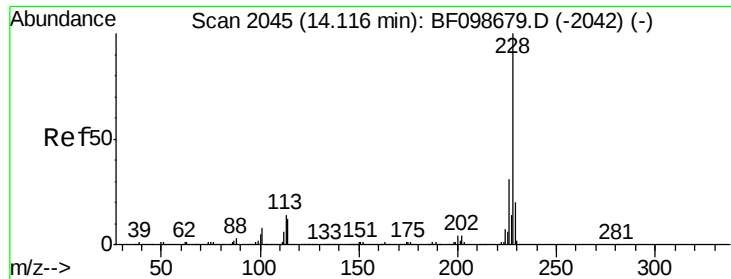


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

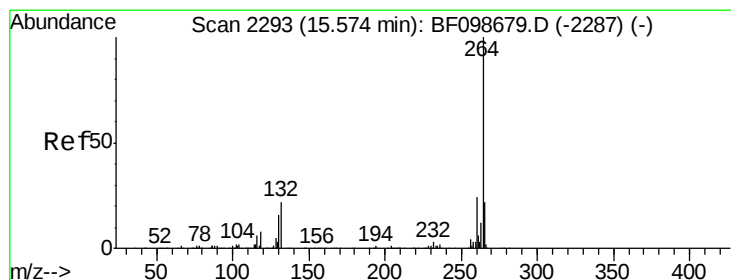
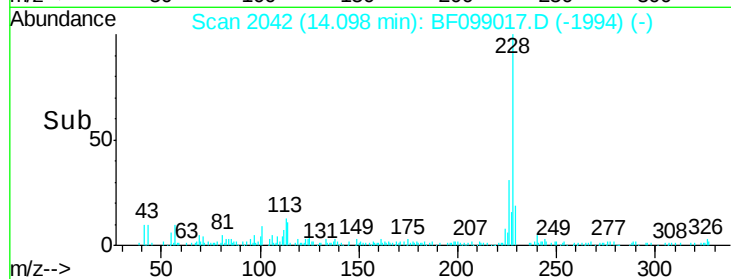
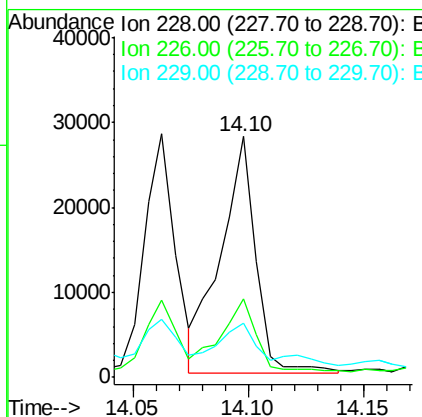
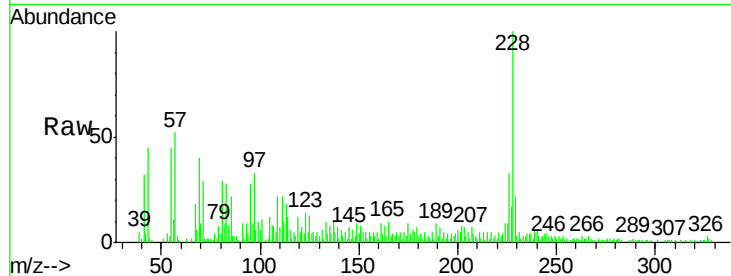




#82
 Chrysene
 Concen: 2.03 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.02 min
 Lab File: BF099017.D
 Acq: 2 Oct 2017 23:20

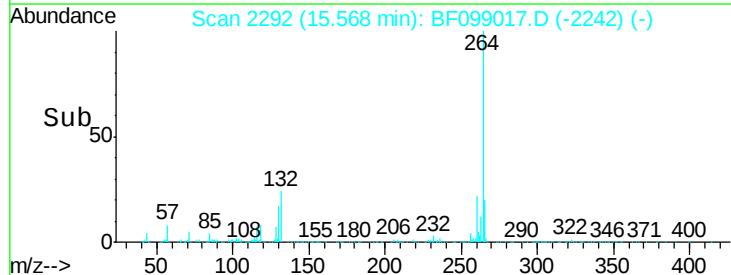
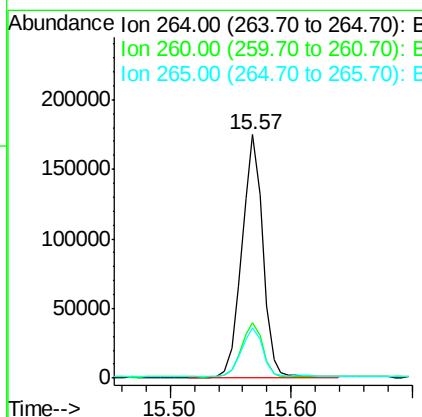
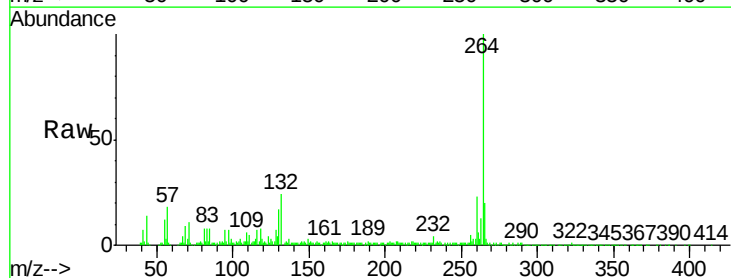
Instrument :
 BNA_F
 ClientSampleId :

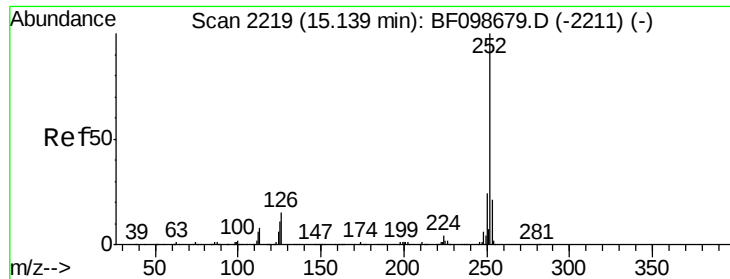
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.8	25.0	37.6
229	22.4	16.2	24.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BF099017.D
 Acq: 2 Oct 2017 23:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	20.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 2.90 ng

RT: 15.12 min Scan# 2216

Delta R.T. -0.02 min

Lab File: BF099017.D

Acq: 2 Oct 2017 23:20

Instrument :

BNA_F

ClientSampleId :

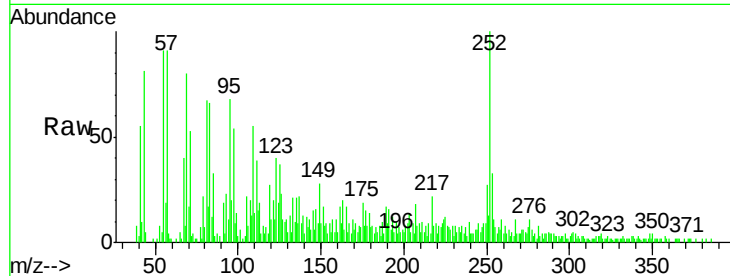
Tot Ion:252 Resp: 37793

Ion Ratio Lower Upper

252 100

253 32.9 17.0 25.6#

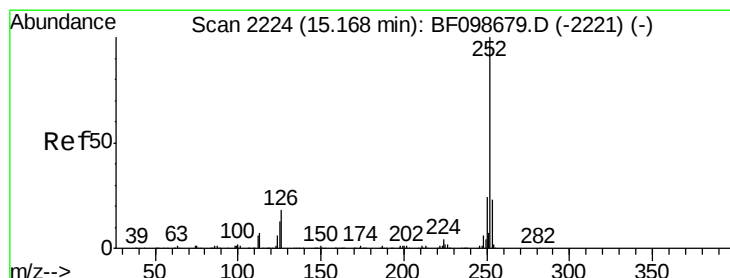
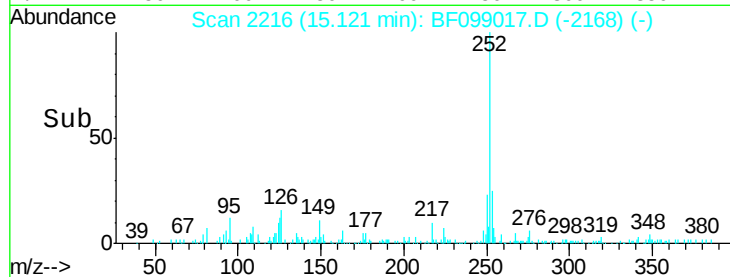
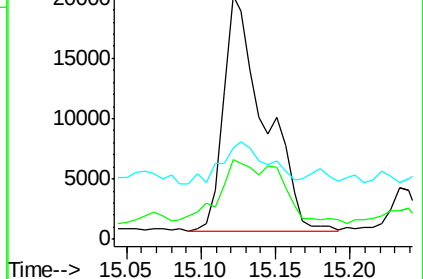
125 37.3 9.0 13.6#



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: 2.94 ng

RT: 15.12 min Scan# 2216

Delta R.T. -0.05 min

Lab File: BF099017.D

Acq: 2 Oct 2017 23:20

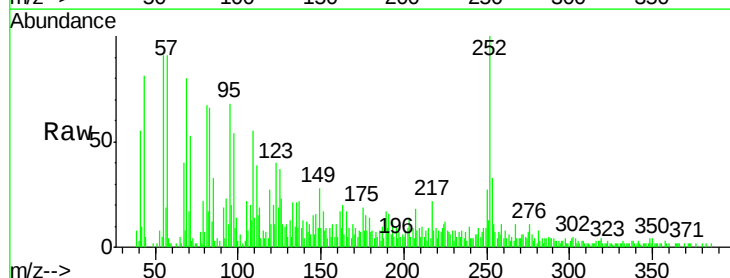
Tgt Ion:252 Resp: 37793

Ion Ratio Lower Upper

252 100

253 32.9 17.9 26.9#

125 37.3 10.2 15.2#



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

