

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096508.D
 Acq On : 6 Jul 2017 3:19
 Operator : SJ/MA
 Sample : I3976-08
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 04:43:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

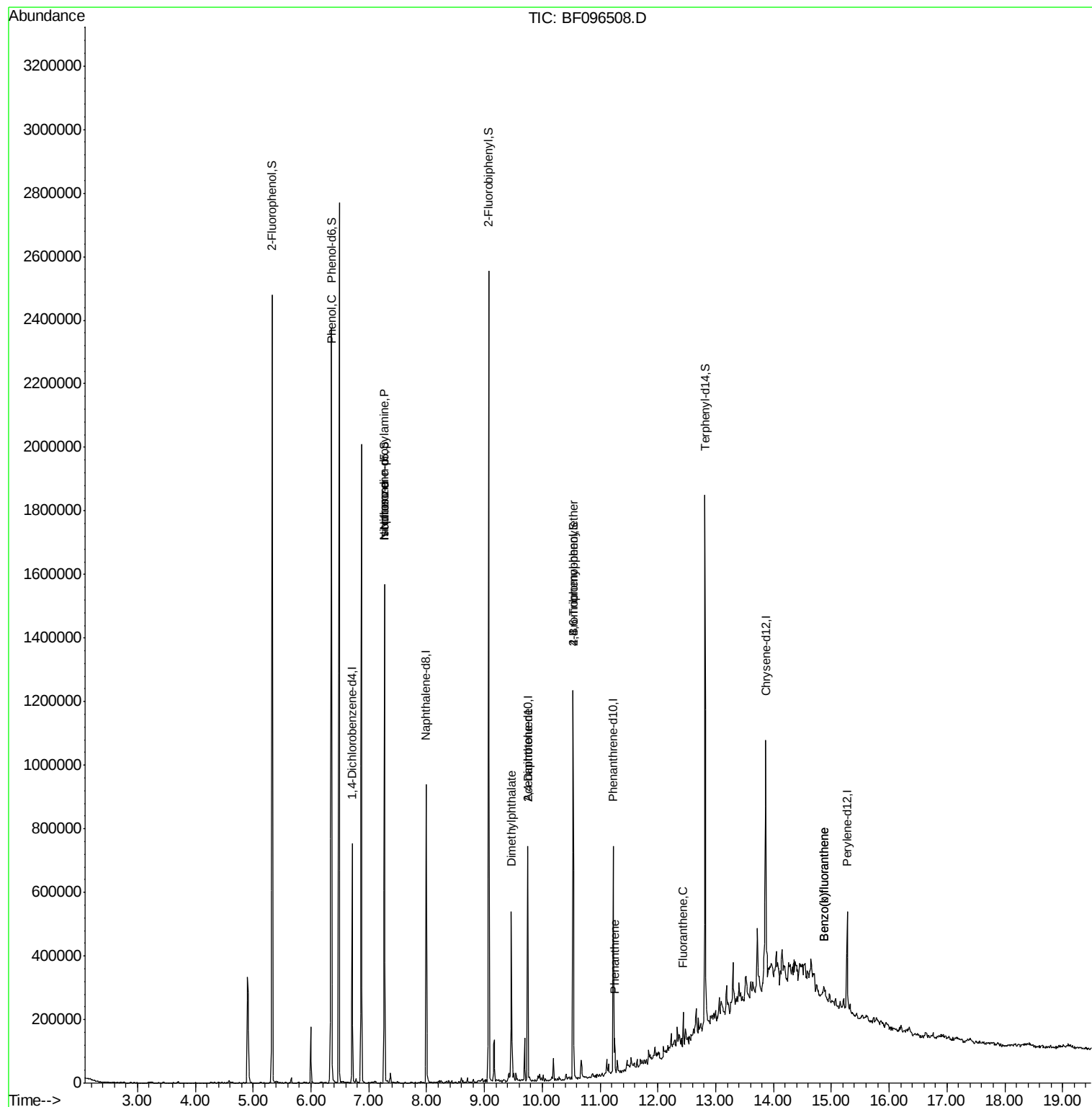
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	111377	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	420585	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	147705	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	235912	20.00	ng	0.00
75) Chrysene-d12	13.86	240	226071	20.00	ng	0.00
86) Perylene-d12	15.27	264	139229	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	732753	97.10	ng	0.00
7) Phenol-d6	6.35	99	882912	95.17	ng	0.00
23) Nitrobenzene-d5	7.27	82	454543	64.94	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	118778	102.95	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	770045	89.14	ng	0.00
78) Terphenyl-d14	12.82	244	491366	46.44	ng	0.00
Target Compounds						
10) Phenol	6.36	94	22557	2.13	ng	Qvalue 96
19) n-Nitroso-di-n-propylamine	7.27	70	59454	10.76	ng	# 89
25) Isophorone	7.27	82	454481	33.49	ng	# 67
49) Dimethylphthalate	9.47	163	221061	20.05	ng	99
56) 2,4-Dinitrotoluene	9.75	165	19092	6.18	ng	# 33
66) 4-Bromophenyl-phenylether	10.53	248	7747	3.37	ng	# 1
70) Phenanthrene	11.25	178	35329	2.77	ng	97
74) Fluoranthene	12.44	202	39752	3.18	ng	98
87) Benzo(b)fluoranthene	14.87	252	22854	2.62	ng	# 73
88) Benzo(k)fluoranthene	14.87	252	22854	2.93	ng	# 75

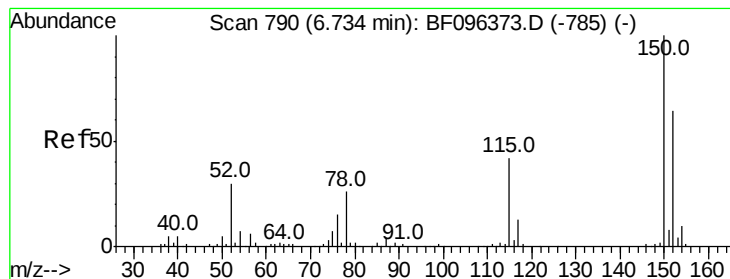
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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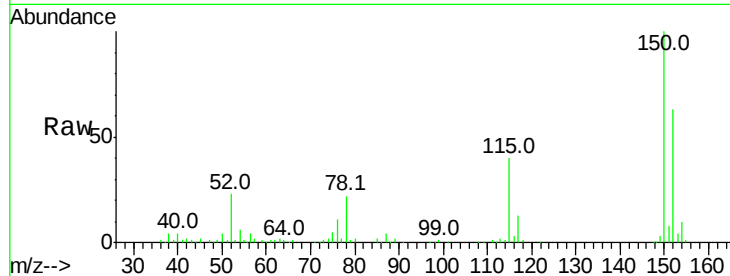


#1

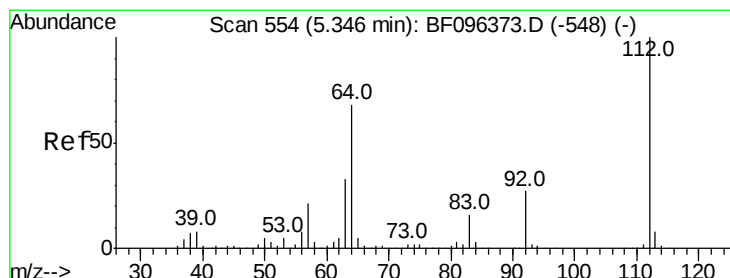
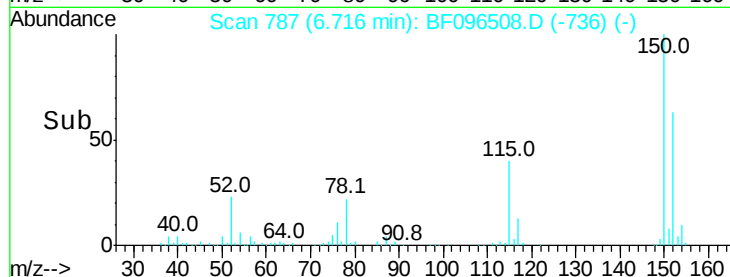
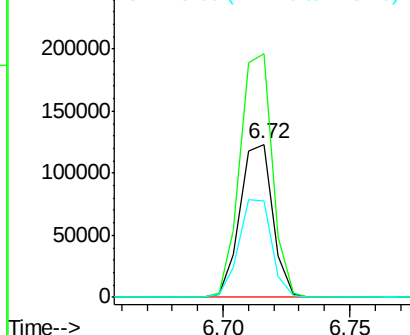
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF096508.D
Acq: 6 Jul 2017 3:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 111377
Ion Ratio Lower Upper
152 100
150 159.0 126.2 189.2
115 63.0 52.2 78.2



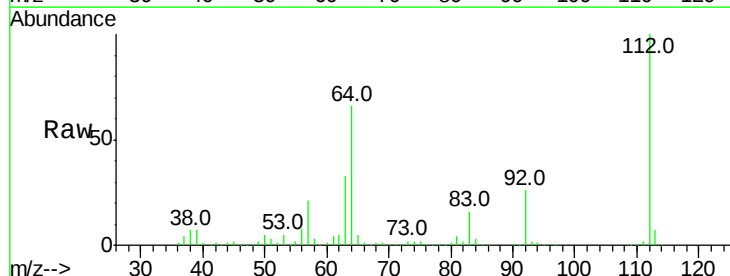
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



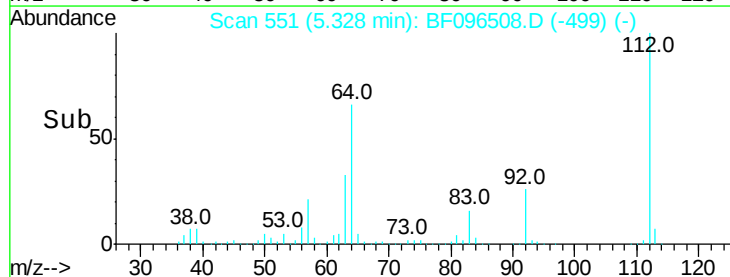
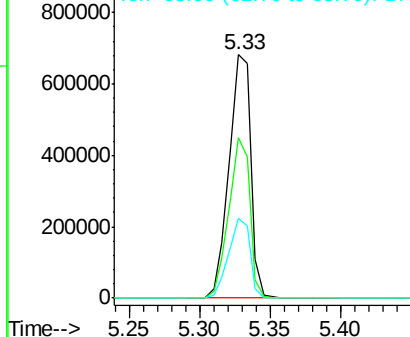
#5

2-Fluorophenol
Concen: 97.10 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF096508.D
Acq: 6 Jul 2017 3:19

Tgt Ion:112 Resp: 732753
Ion Ratio Lower Upper
112 100
64 66.1 46.0 69.0
63 32.9 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: 95.17 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096508.D

Acq: 6 Jul 2017 3:19

Instrument :

BNA_F

ClientSampled :

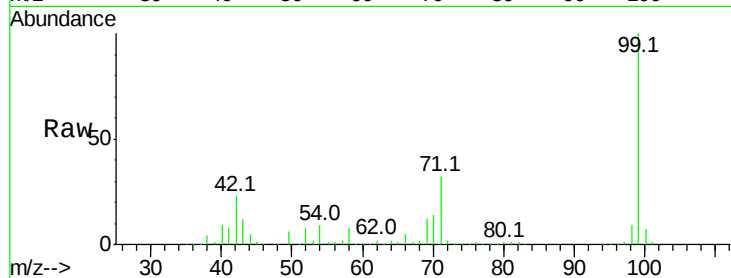
Tot Ion: 99 Resp: 882912

Ion Ratio Lower Upper

99 100

42 22.7 13.5 20.3#

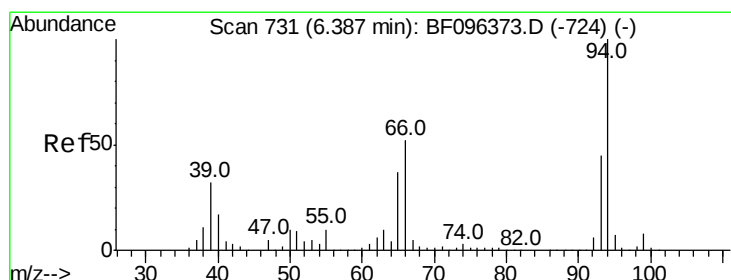
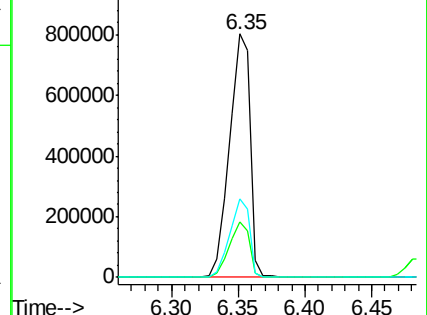
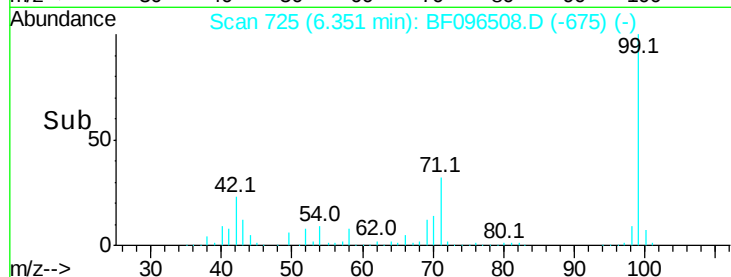
71 32.1 24.5 36.7



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: 2.13 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096508.D

Acq: 6 Jul 2017 3:19

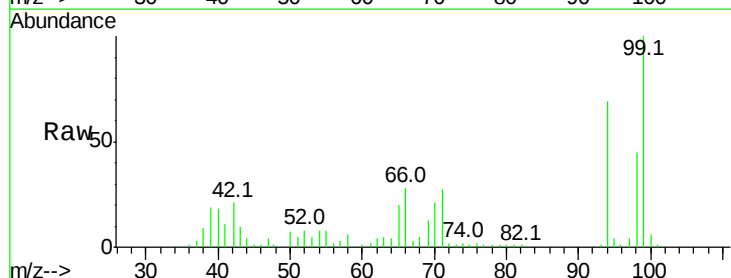
Tgt Ion: 94 Resp: 22557

Ion Ratio Lower Upper

94 100

65 28.6 9.9 49.9

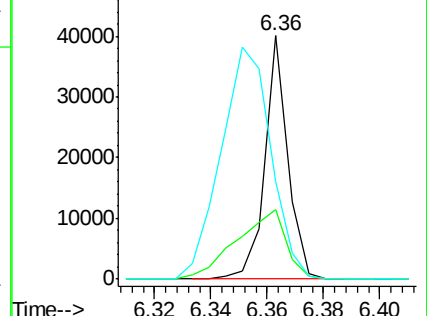
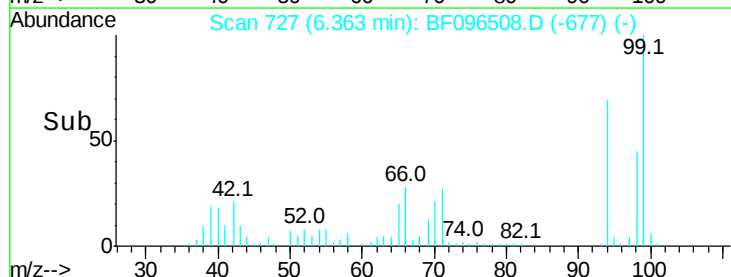
66 40.2 23.1 63.1

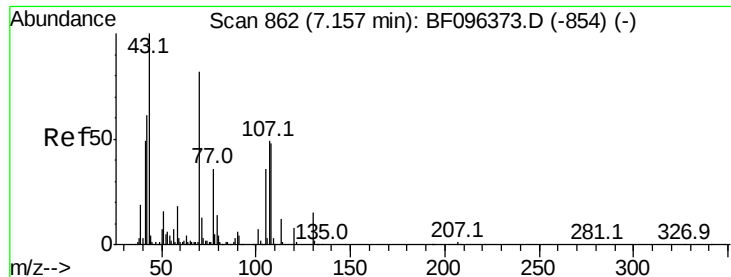


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

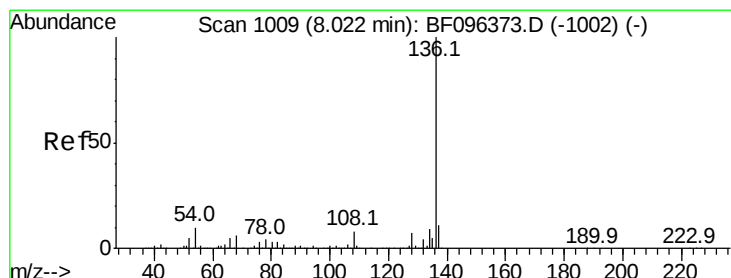
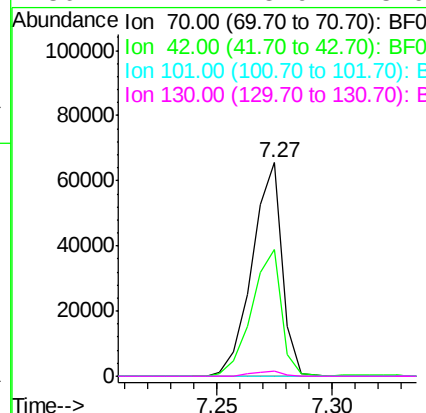
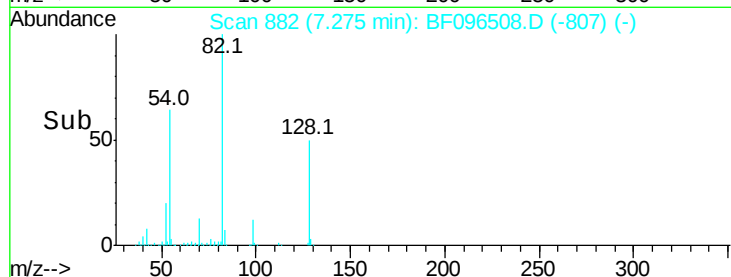
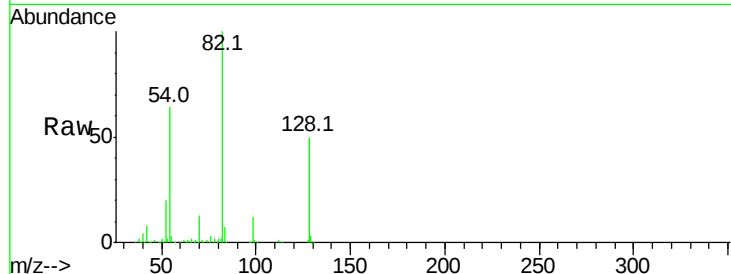




#19
 n-Nitroso-di-n-propylamine
 Concen: 10.76 ng
 RT: 7.27 min Scan# 882
 Delta R.T. 0.14 min
 Lab File: BF096508.D
 Acq: 6 Jul 2017 3:19

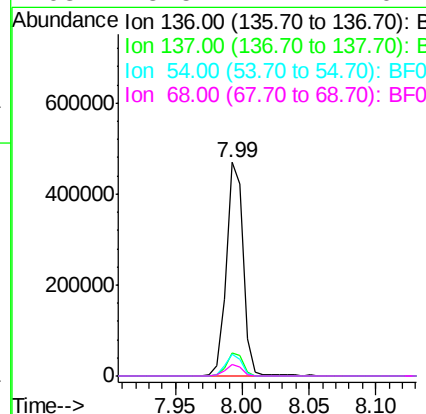
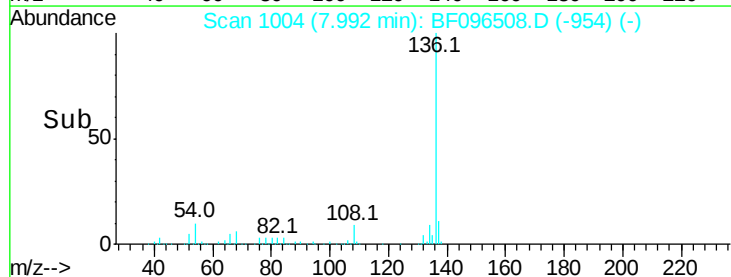
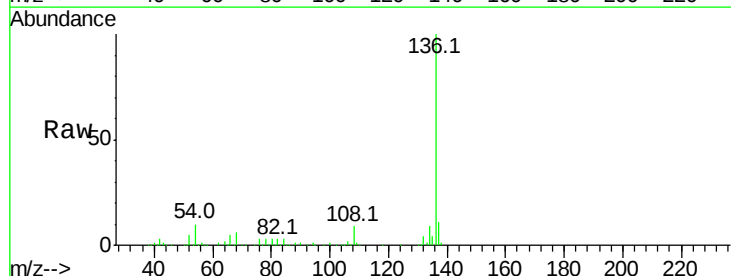
Instrument :
 BNA_F
 ClientSampleId :

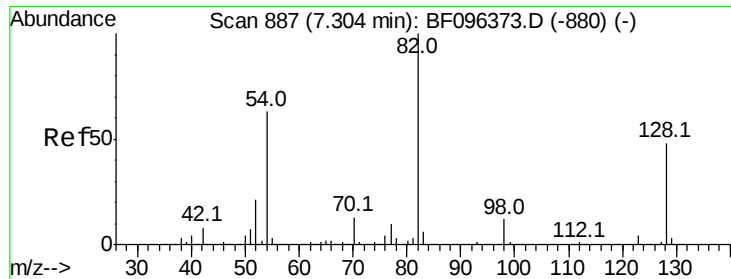
Tot Ion	Ratio	Lower	Upper
70	100		
42	59.1	47.2	70.8
101	0.0	7.2	10.8#
130	2.4	15.9	23.9#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.99 min Scan# 1004
 Delta R.T. -0.01 min
 Lab File: BF096508.D
 Acq: 6 Jul 2017 3:19

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	10.4	4.9	7.3#
68	5.5	4.1	6.1

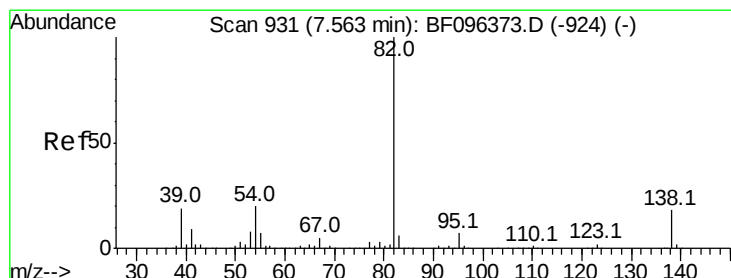
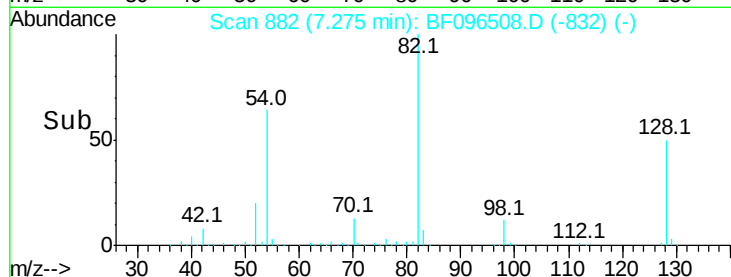
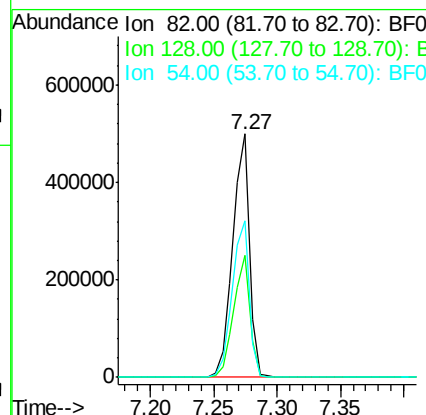
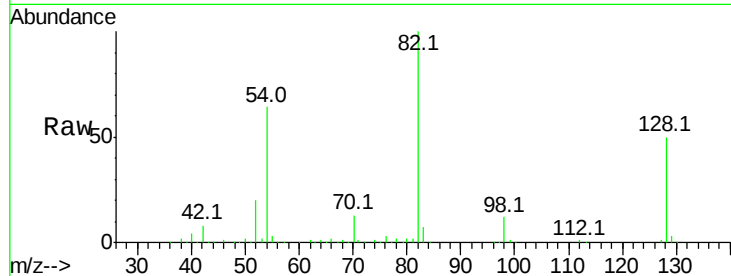




#23
 Nitrobenzene-d5
 Concen: 64.94 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF096508.D
 Acq: 6 Jul 2017 3:19

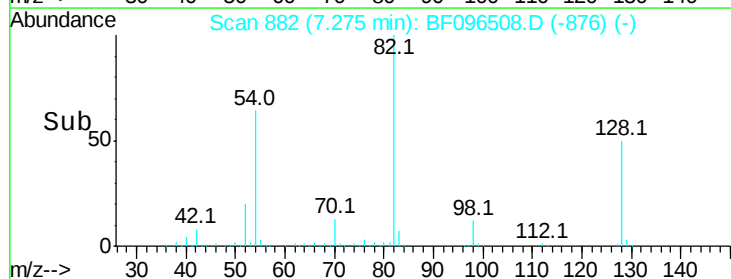
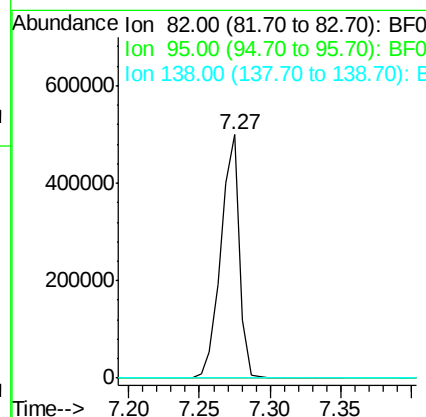
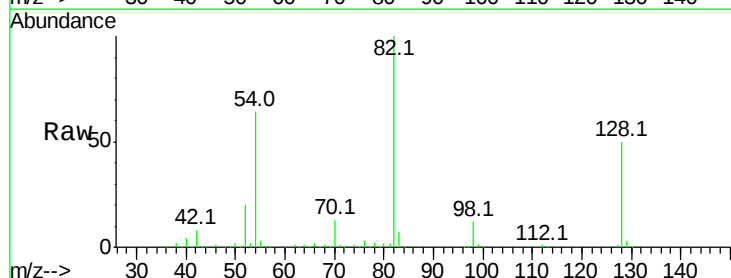
Instrument :
 BNA_F
 ClientSampleId :

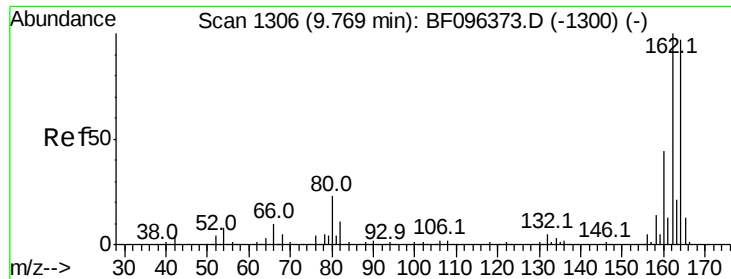
Tot Ion: 82 Resp: 454543
 Ion Ratio Lower Upper
 82 100
 128 50.0 34.0 51.0
 54 64.4 42.2 63.2#



#25
 Isophorone
 Concen: 33.49 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.26 min
 Lab File: BF096508.D
 Acq: 6 Jul 2017 3:19

Tgt Ion: 82 Resp: 454481
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

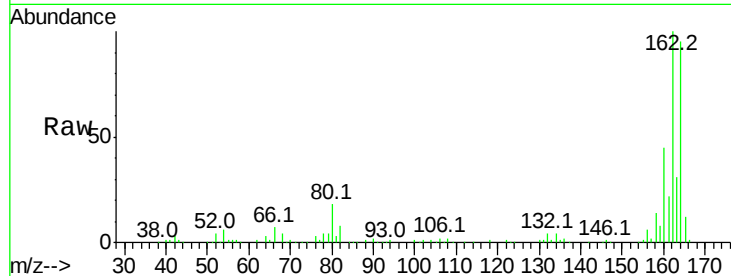




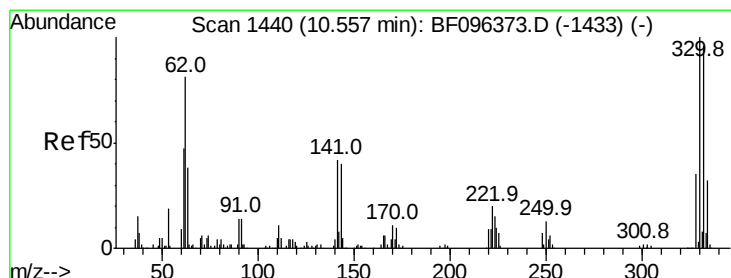
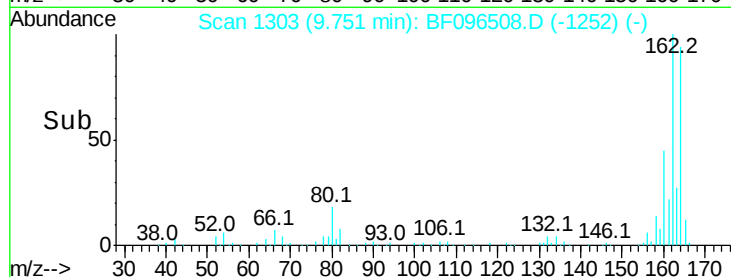
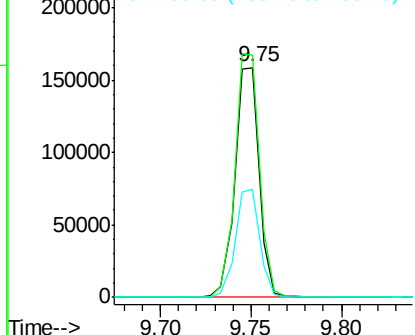
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF096508.D
Acq: 6 Jul 2017 3:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 147705
Ion Ratio Lower Upper
164 100
162 105.7 82.6 123.8
160 47.1 36.2 54.2

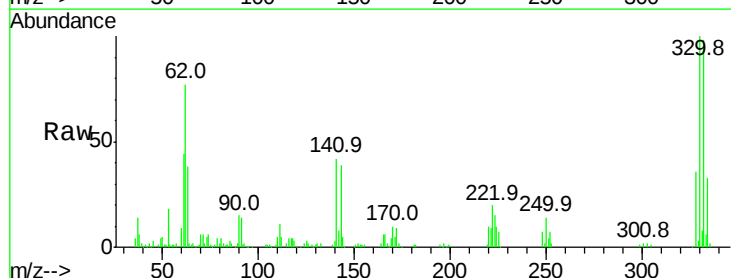


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

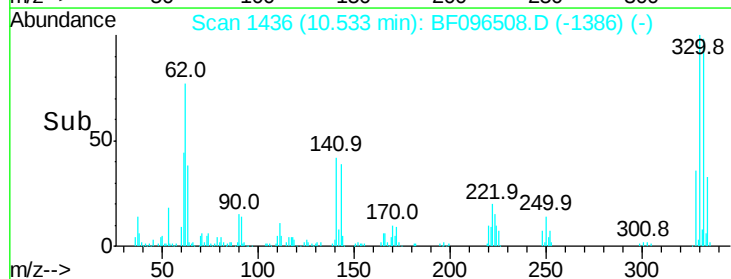
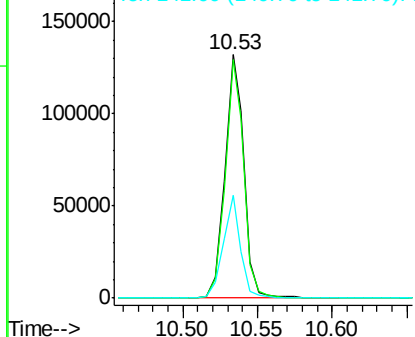


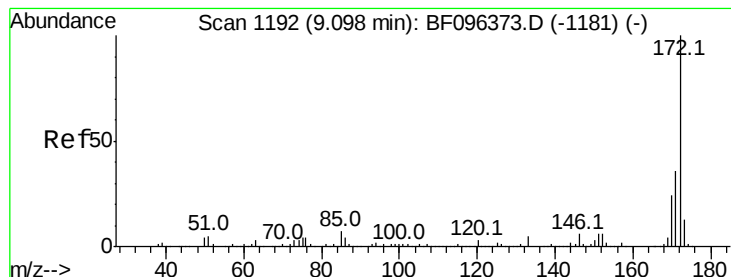
#41
2,4,6-Tribromophenol
Concen: 102.95 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF096508.D
Acq: 6 Jul 2017 3:19

Tgt Ion:330 Resp: 118778
Ion Ratio Lower Upper
330 100
332 95.7 76.6 115.0
141 38.2 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: 89.14 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF096508.D

Acq: 6 Jul 2017 3:19

Instrument :

BNA_F

ClientSampleId :

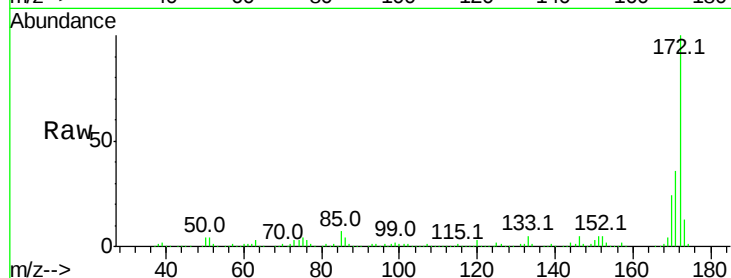
Tot Ion:172 Resp: 770045

Ion Ratio Lower Upper

172 100

171 36.1 29.6 44.4

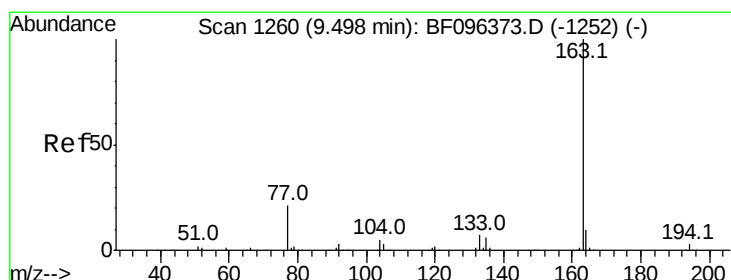
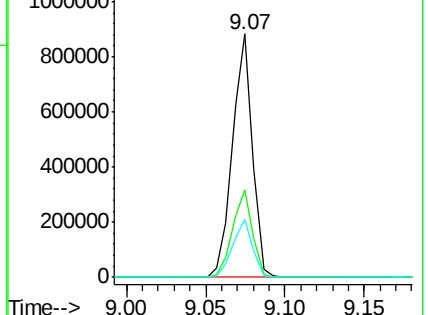
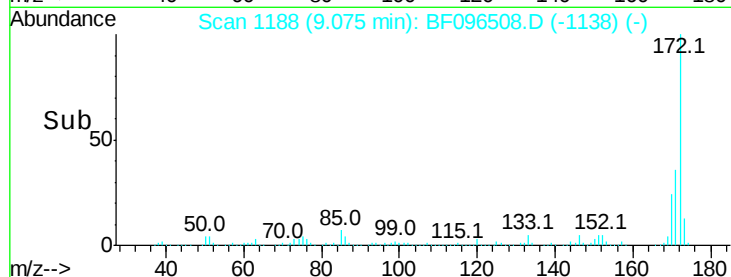
170 23.6 19.8 29.8



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: 20.05 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF096508.D

Acq: 6 Jul 2017 3:19

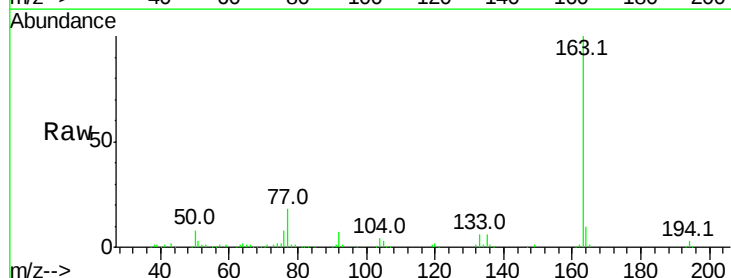
Tgt Ion:163 Resp: 221061

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

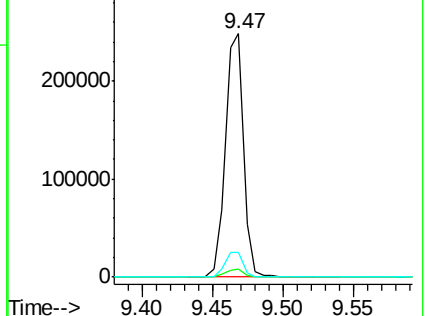
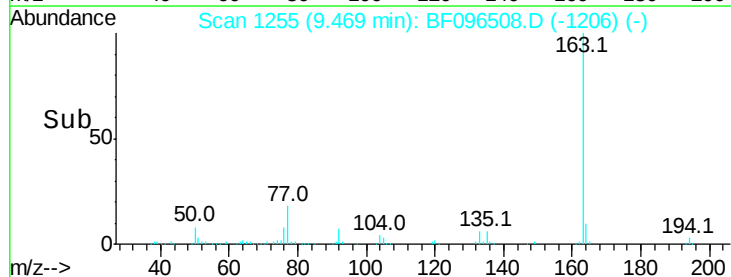
164 10.1 8.4 12.6

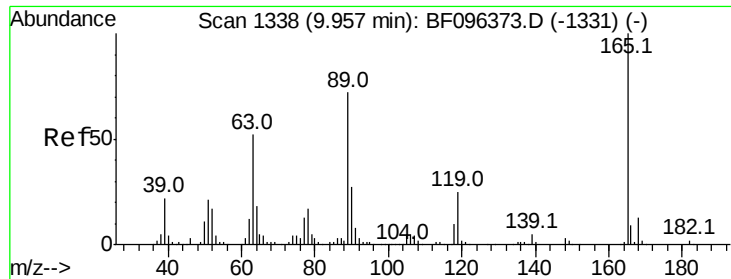


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

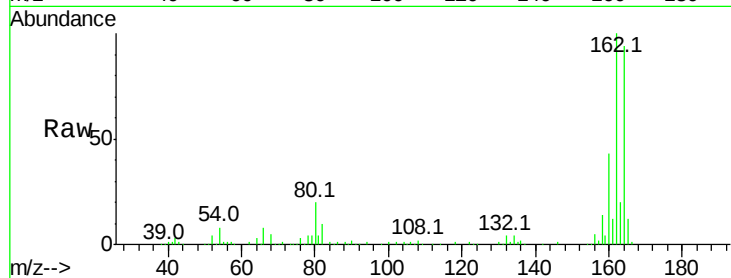




#56
 2,4-Dinitrotoluene
 Concen: 6.18 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.19 min
 Lab File: BF096508.D
 Acq: 6 Jul 2017 3:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	2.2	46.4	69.6#
182	0.0	1.8	2.6#

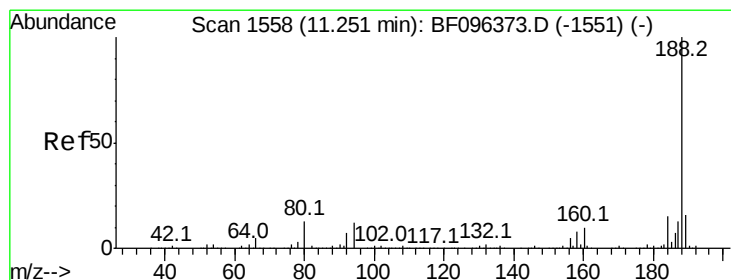
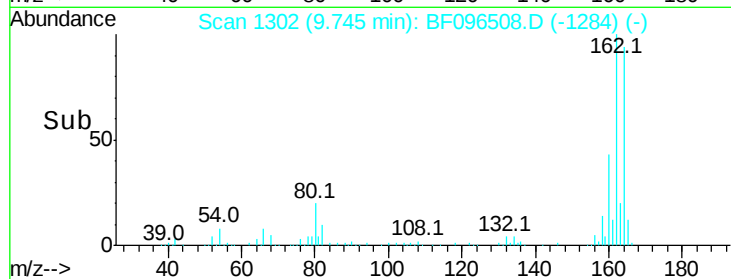
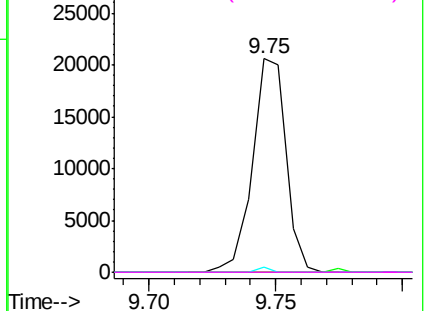


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

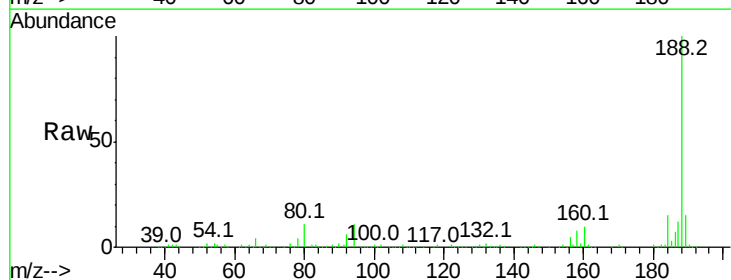
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF096508.D
 Acq: 6 Jul 2017 3:19

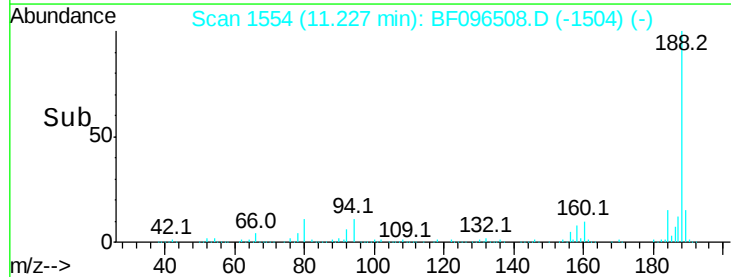
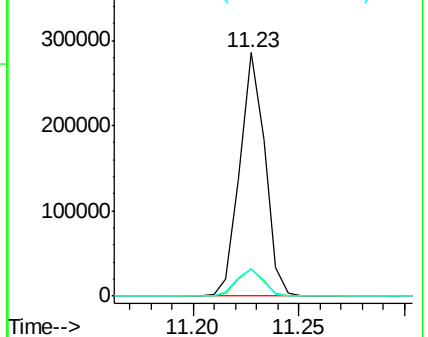
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.4	14.2
80	11.0	10.2	15.2

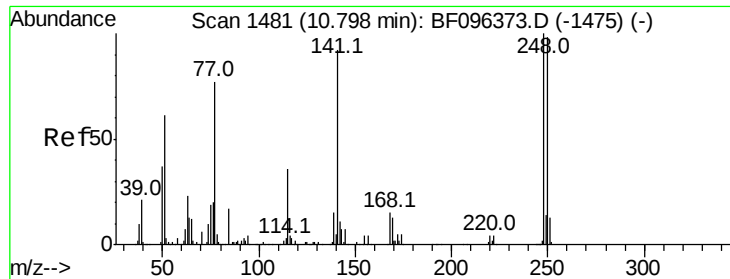


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

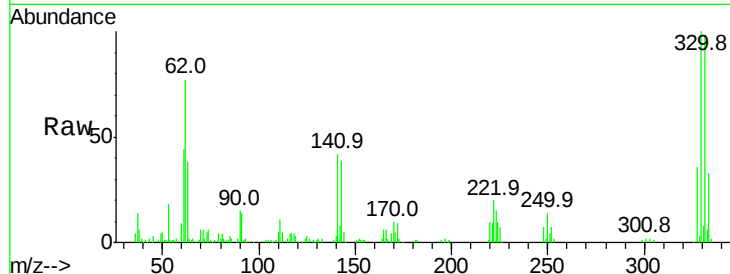




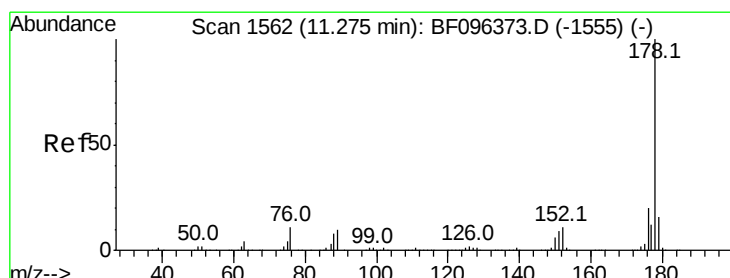
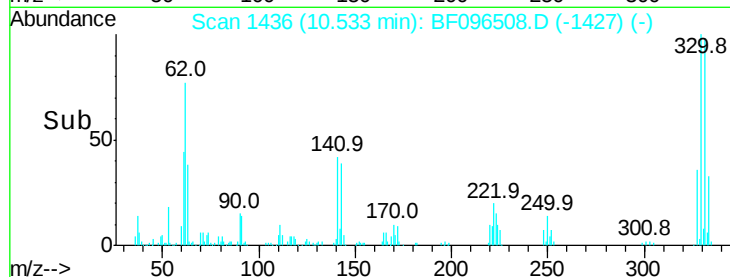
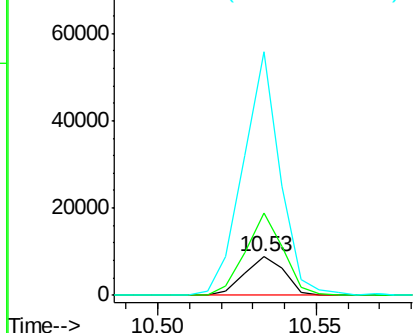
#66
 4-Bromophenyl-phenylether
 Concen: 3.37 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: BF096508.D
 Acq: 6 Jul 2017 3:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7747
 Ion Ratio Lower Upper
 248 100
 250 211.1 76.8 115.2#
 141 628.5 68.6 103.0#

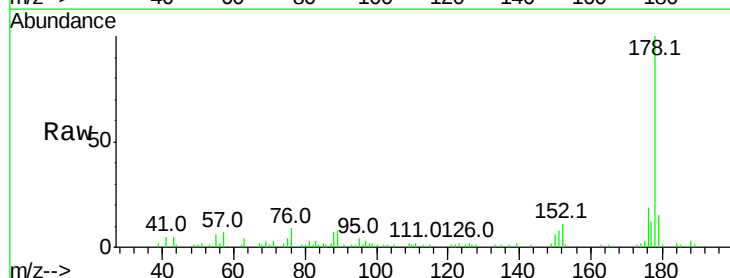


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

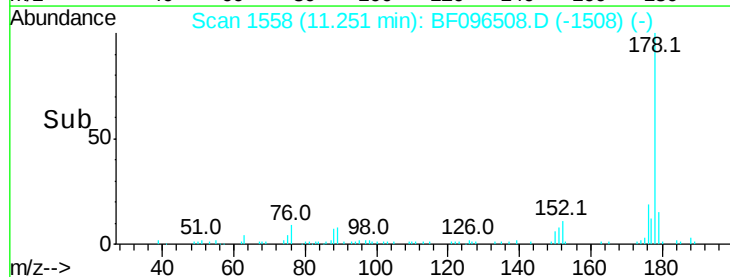
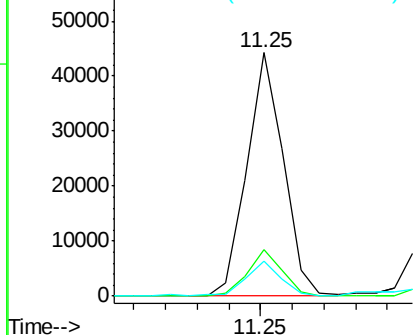


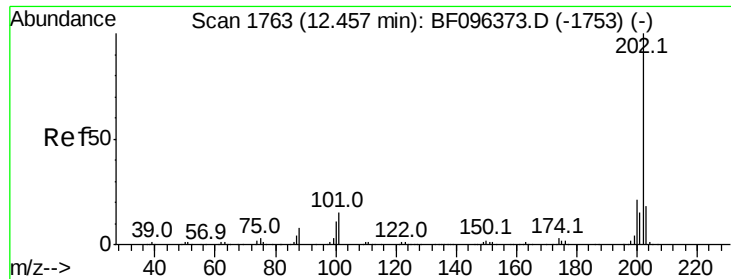
#70
 Phenanthrene
 Concen: 2.77 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF096508.D
 Acq: 6 Jul 2017 3:19

Tgt Ion:178 Resp: 35329
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 14.6 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





#74

Fluoranthene

Concen: 3.18 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BF096508.D

Acq: 6 Jul 2017 3:19

Instrument :

BNA_F

ClientSampled :

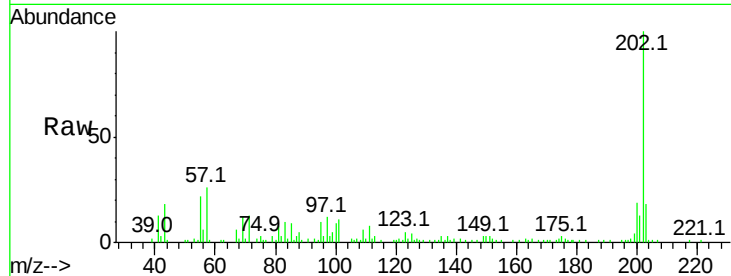
Tot Ion:202 Resp: 39752

Ion Ratio Lower Upper

202 100

101 11.0 0.0 33.2

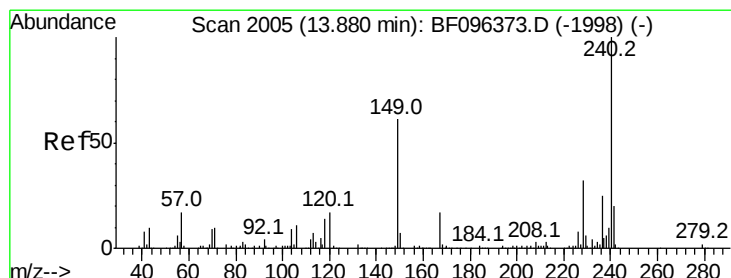
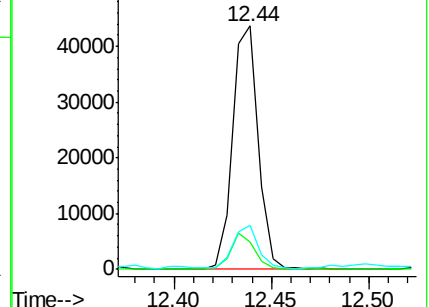
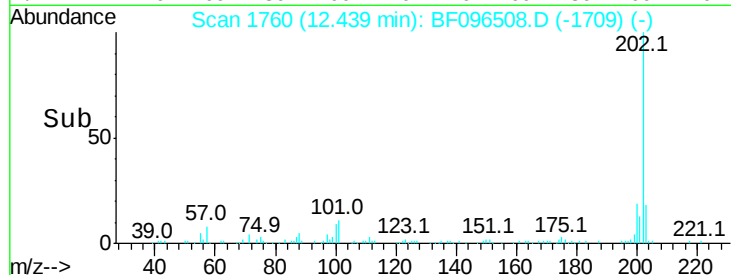
203 18.1 0.0 38.1



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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096508.D

Acq: 6 Jul 2017 3:19

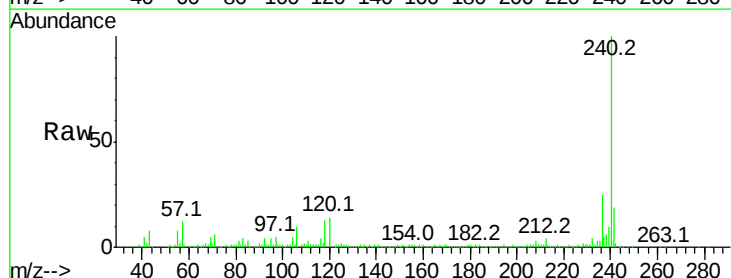
Tgt Ion:240 Resp: 226071

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

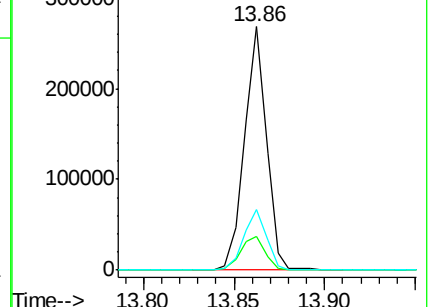
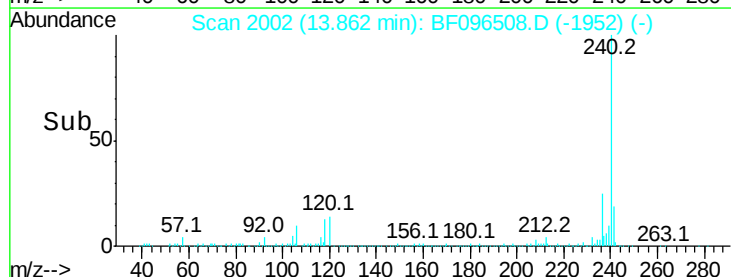
236 24.8 20.5 30.7

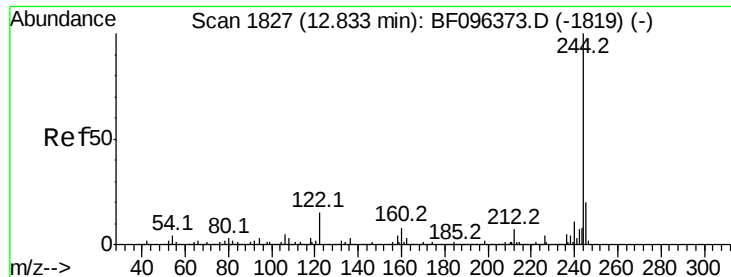


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 46.44 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF096508.D

Acq: 6 Jul 2017 3:19

Instrument :

BNA_F

ClientSampleId :

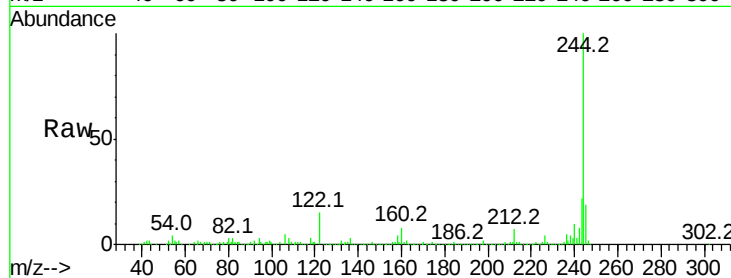
Tot Ion:244 Resp: 491366

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

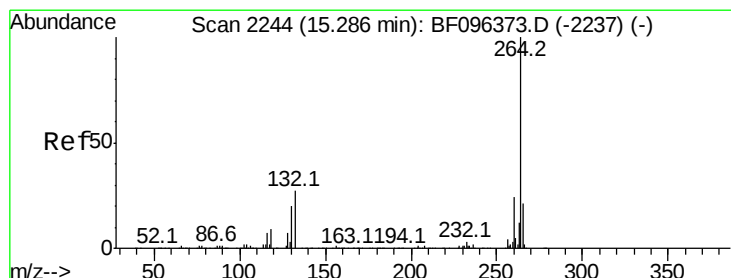
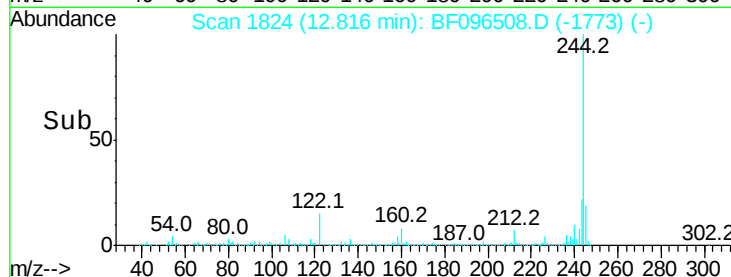
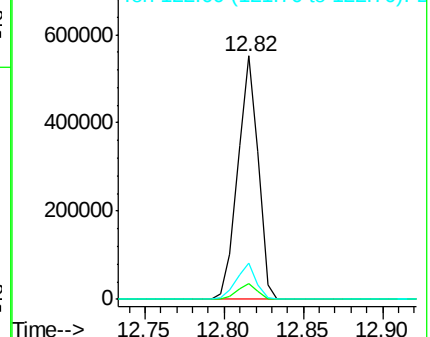
122 15.0 10.3 15.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.27 min Scan# 2242

Delta R.T. -0.00 min

Lab File: BF096508.D

Acq: 6 Jul 2017 3:19

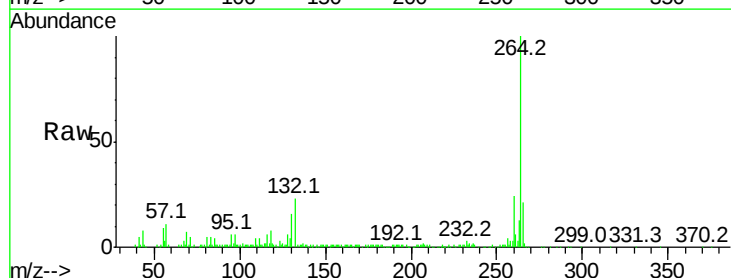
Tgt Ion:264 Resp: 139229

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

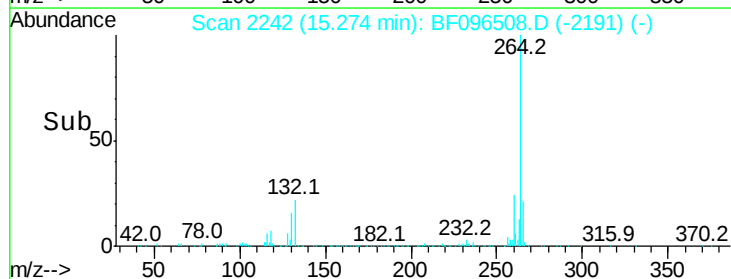
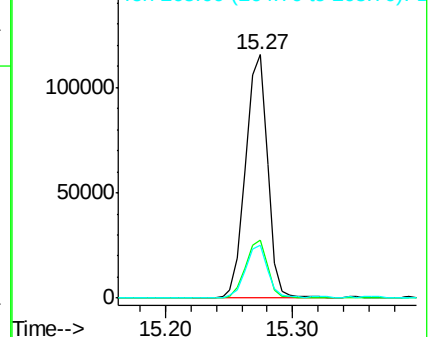
265 21.5 17.2 25.8

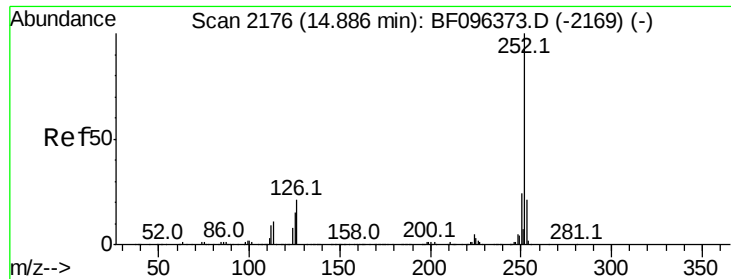


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.62 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BF096508.D

Acq: 6 Jul 2017 3:19

Instrument :

BNA_F

ClientSampleId :

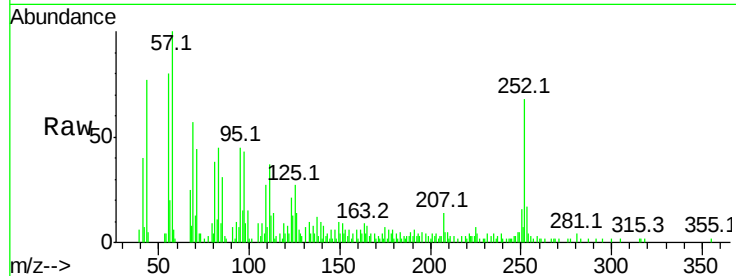
Tot Ion:252 Resp: 22854

Ion Ratio Lower Upper

252 100

253 24.3 18.1 27.1

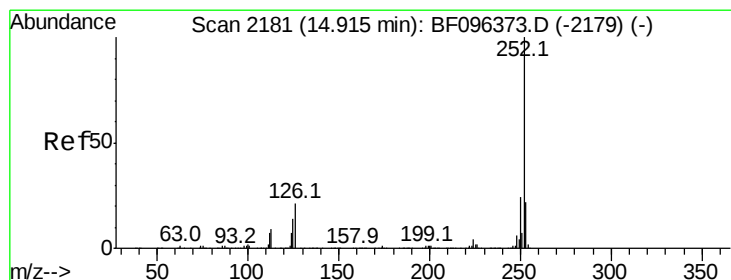
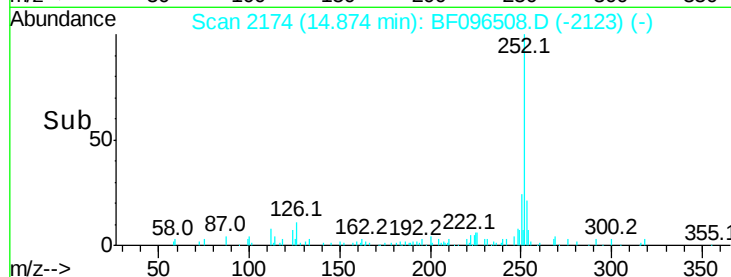
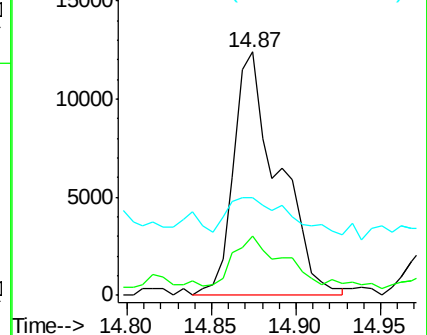
125 40.1 9.8 14.8#



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: 2.93 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.03 min

Lab File: BF096508.D

Acq: 6 Jul 2017 3:19

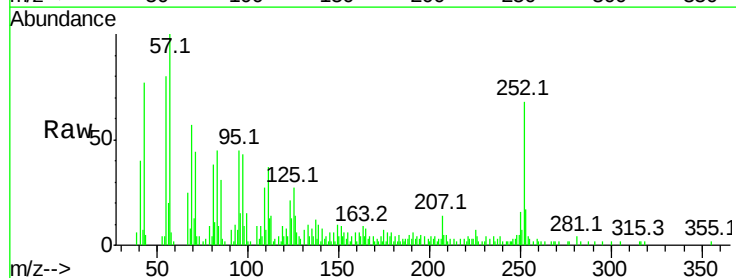
Tgt Ion:252 Resp: 22854

Ion Ratio Lower Upper

252 100

253 24.3 18.4 27.6

125 40.1 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

