

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070117\
 Data File : BF096382.D
 Acq On : 1 Jul 2017 16:46
 Operator : SJ/MA
 Sample : I3939-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 01:47:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

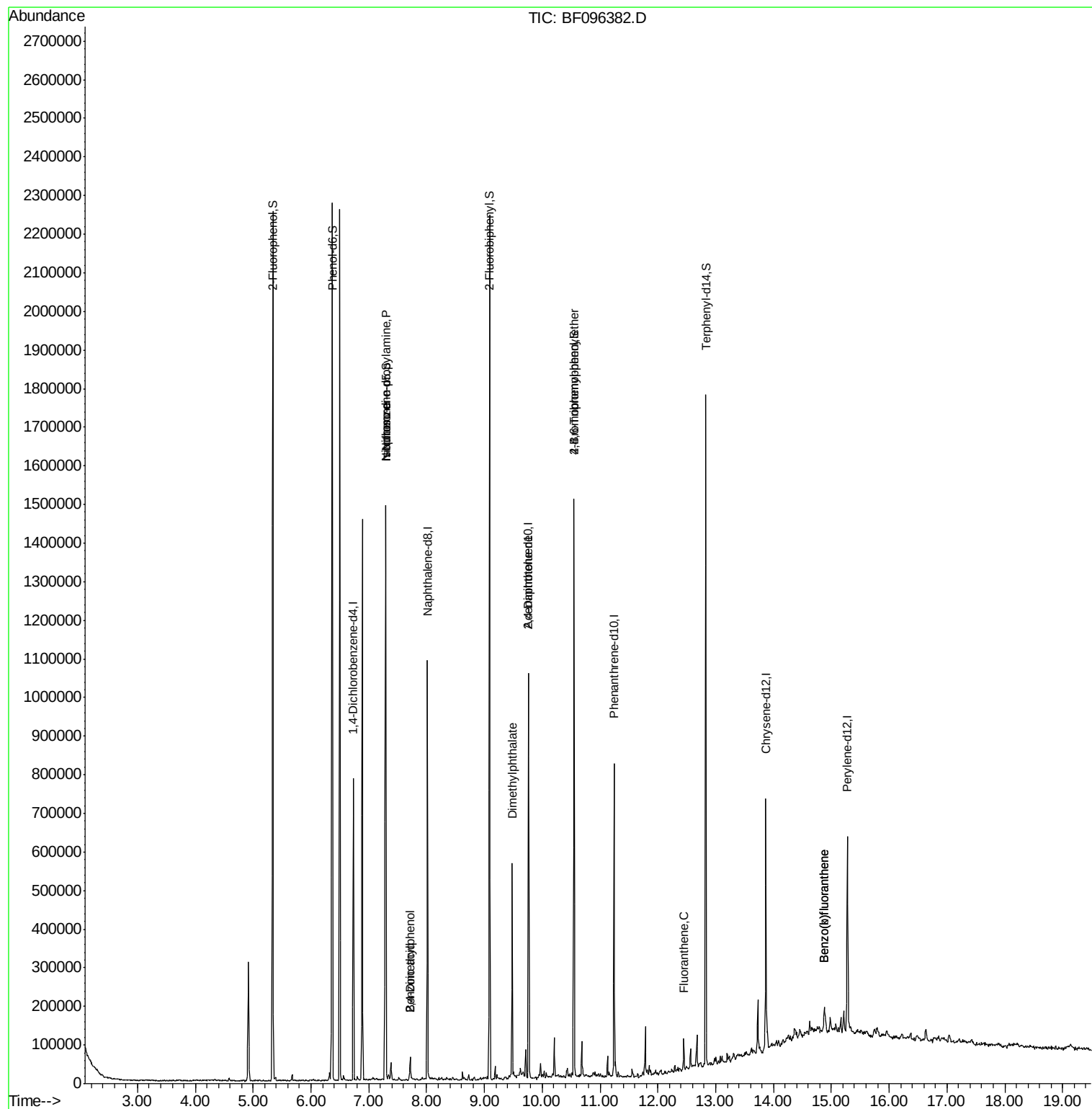
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	113547	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	480279	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	203497	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	292861	20.00	ng	0.00
75) Chrysene-d12	13.87	240	199873	20.00	ng	-0.01
86) Perylene-d12	15.28	264	209183	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	614990	79.94	ng	0.00
7) Phenol-d6	6.37	99	825315	87.26	ng	0.00
23) Nitrobenzene-d5	7.29	82	453653	56.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	163416	102.81	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	696250	58.50	ng	0.00
78) Terphenyl-d14	12.83	244	499851	53.44	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	57814	10.26	ng	# 89
25) Isophorone	7.29	82	448599	28.95	ng	# 67
27) 2,4-Dimethylphenol	7.72	122	15464	2.05	ng	# 5
32) Benzoic acid	7.72	122	15464	2.44	ng	88
49) Dimethylphthalate	9.48	163	197919	13.03	ng	99
56) 2,4-Dinitrotoluene	9.76	165	25714	6.04	ng	# 34
66) 4-Bromophenyl-phenylether	10.55	248	10746	3.77	ng	# 1
74) Fluoranthene	12.45	202	32218	2.08	ng	95
87) Benzo(b)fluoranthene	14.88	252	40946	3.12	ng	# 91
88) Benzo(k)fluoranthene	14.88	252	40946	3.49	ng	# 95

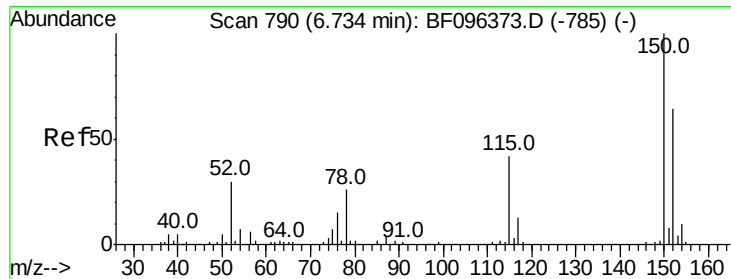
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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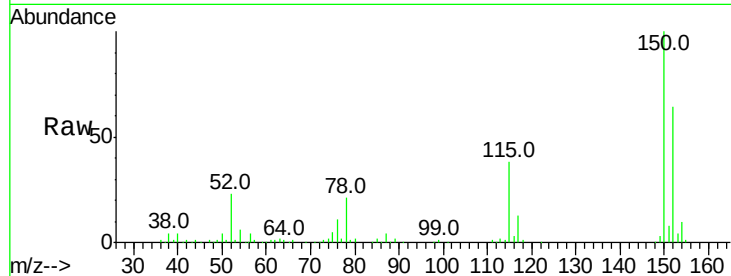


#1

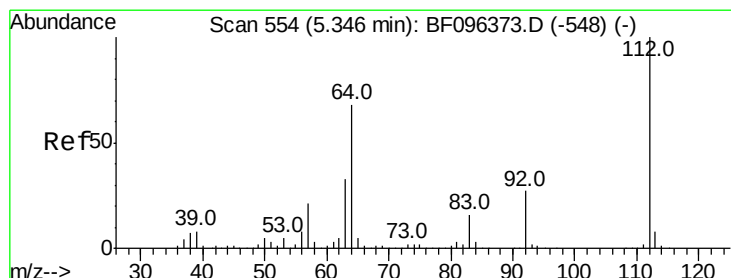
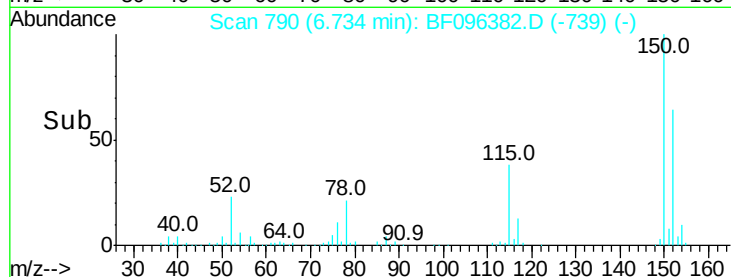
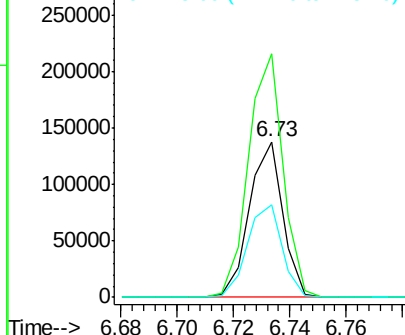
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF096382.D
Acq: 1 Jul 2017 16:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 113547
Ion Ratio Lower Upper
152 100
150 156.4 126.2 189.2
115 59.4 52.2 78.2



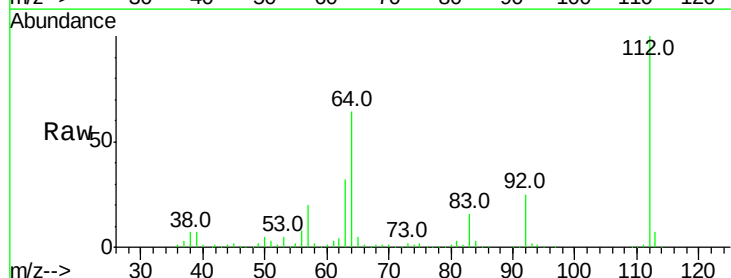
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



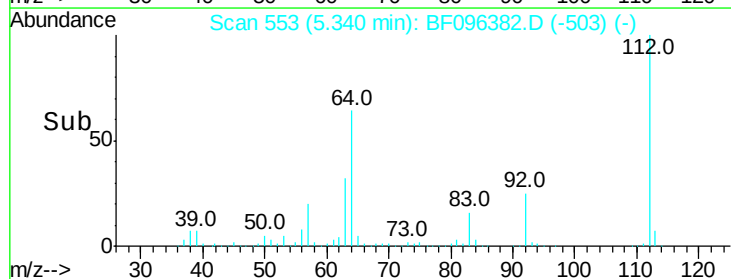
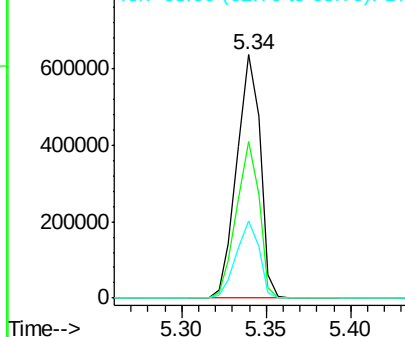
#5

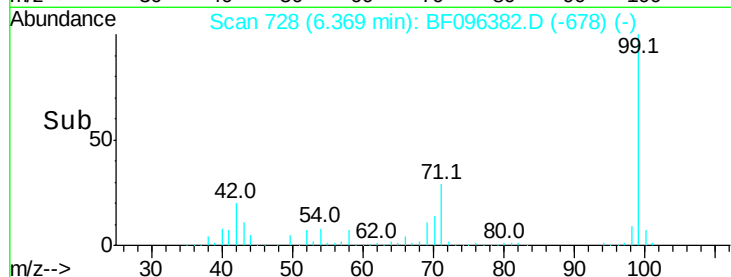
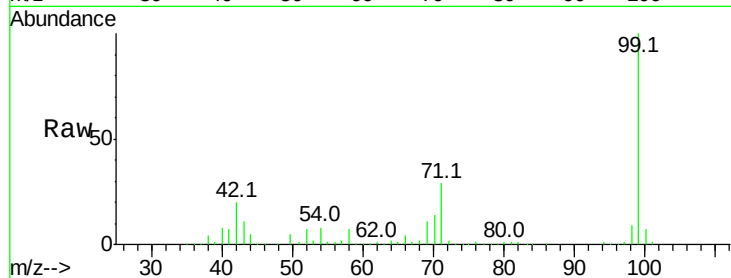
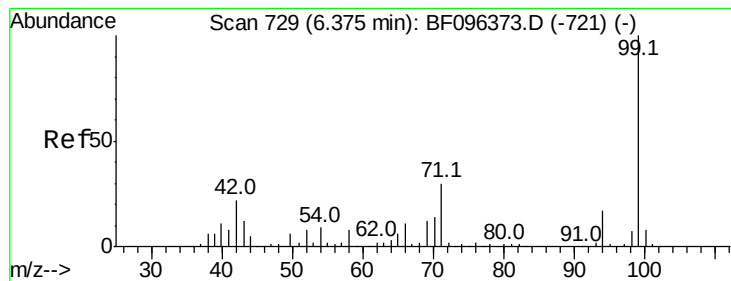
2-Fluorophenol
Concen: 79.94 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF096382.D
Acq: 1 Jul 2017 16:46

Tgt Ion:112 Resp: 614990
Ion Ratio Lower Upper
112 100
64 64.4 46.0 69.0
63 31.7 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: 87.26 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096382.D

Acq: 1 Jul 2017 16:46

Instrument :

BNA_F

ClientSampled :

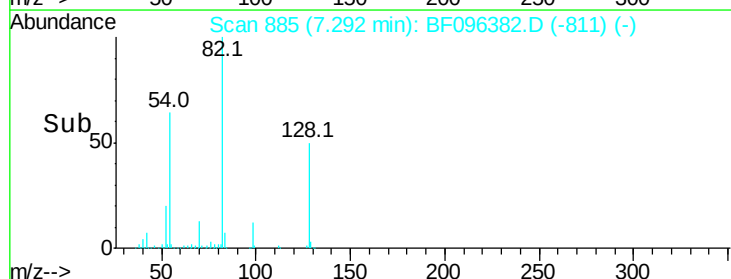
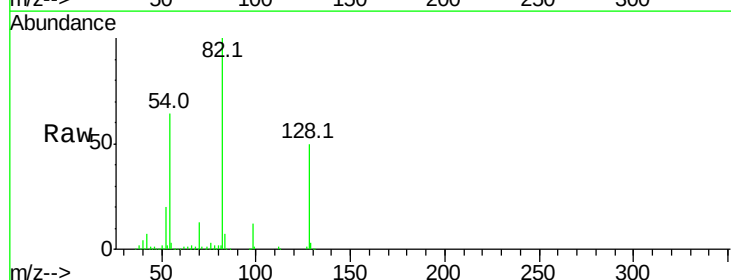
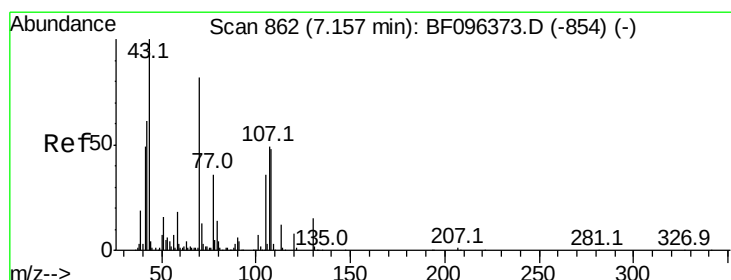
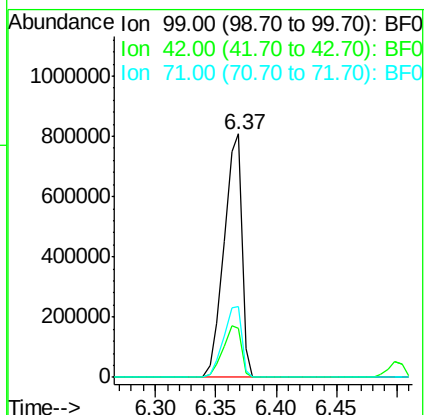
Tot Ion: 99 Resp: 825315

Ion Ratio Lower Upper

99 100

42 20.2 13.5 20.3

71 29.1 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 10.26 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF096382.D

Acq: 1 Jul 2017 16:46

Tgt Ion: 70 Resp: 57814

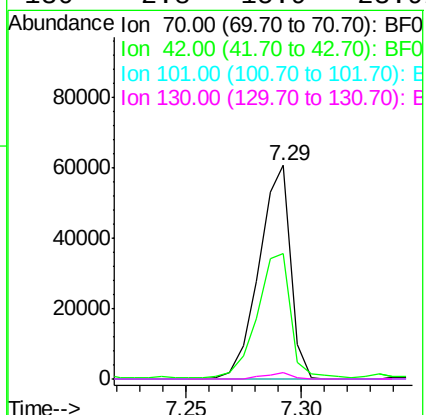
Ion Ratio Lower Upper

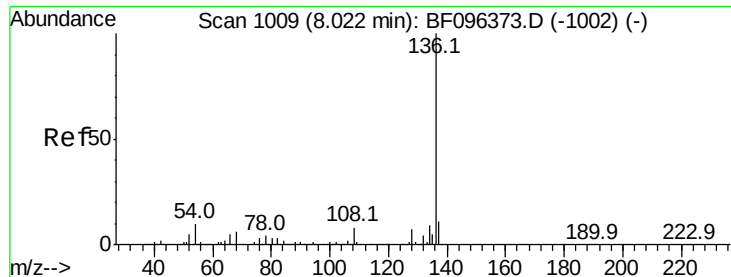
70 100

42 58.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.8 15.9 23.9#

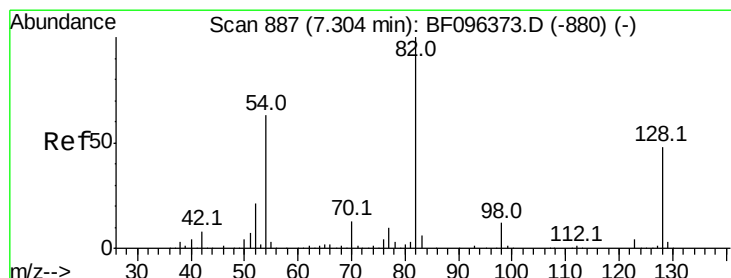
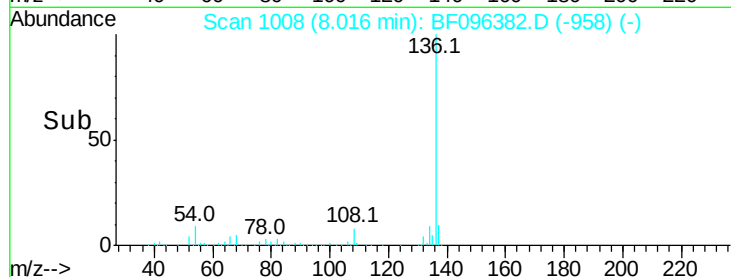
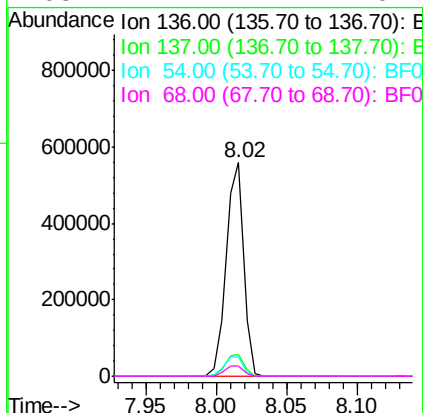
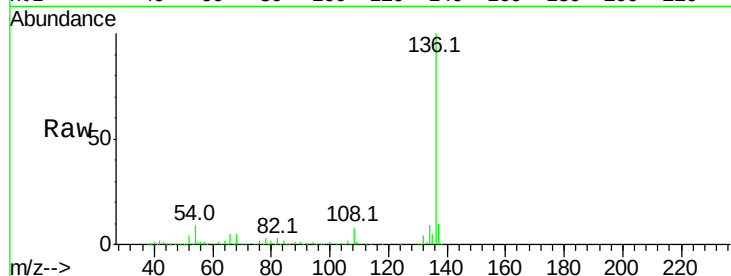




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF096382.D
Acq: 1 Jul 2017 16:46

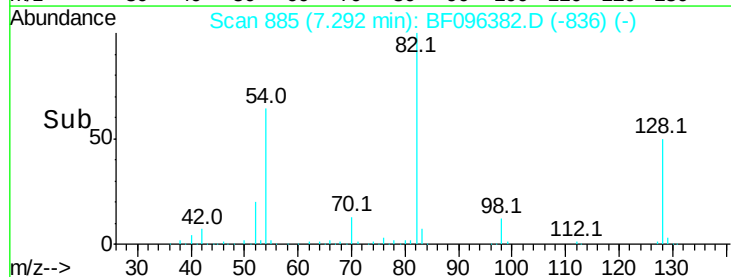
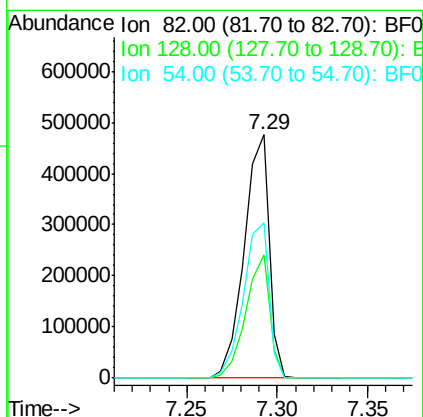
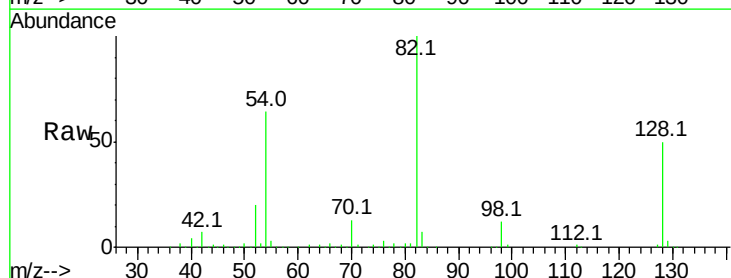
Instrument :
BNA_F
ClientSampleId :

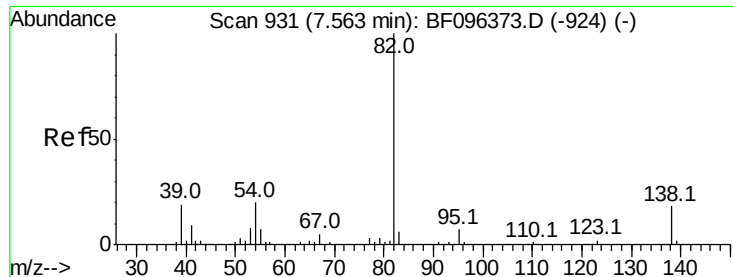
Tot Ion:	136	Resp:	480279
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	9.0	4.9	7.3#
68	4.7	4.1	6.1



#23
Nitrobenzene-d5
Concen: 56.76 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF096382.D
Acq: 1 Jul 2017 16:46

Tgt Ion:	82	Resp:	453653
Ion	Ratio	Lower	Upper
82	100		
128	50.5	34.0	51.0
54	64.0	42.2	63.2#





#25

Isophorone

Concen: 28.95 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF096382.D

Acq: 1 Jul 2017 16:46

Instrument :
BNA_F
ClientSampleId :

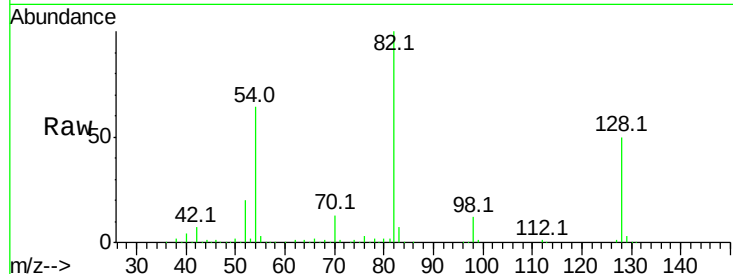
Tot Ion: 82 Resp: 448599

Ion Ratio Lower Upper

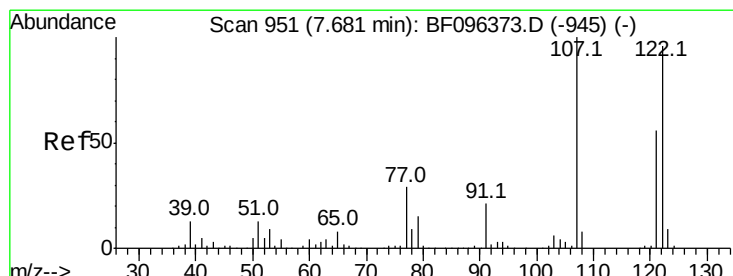
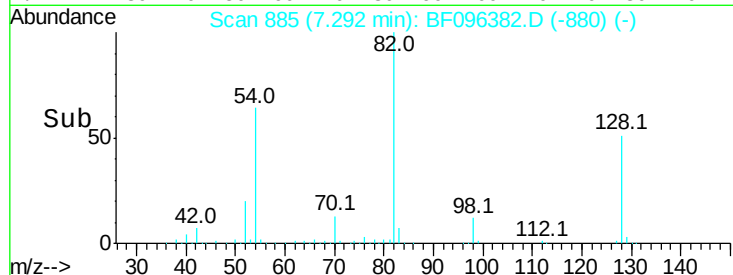
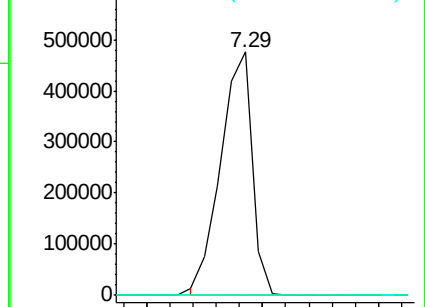
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



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



#27

2,4-Dimethylphenol

Concen: 2.05 ng

RT: 7.72 min Scan# 958

Delta R.T. 0.04 min

Lab File: BF096382.D

Acq: 1 Jul 2017 16:46

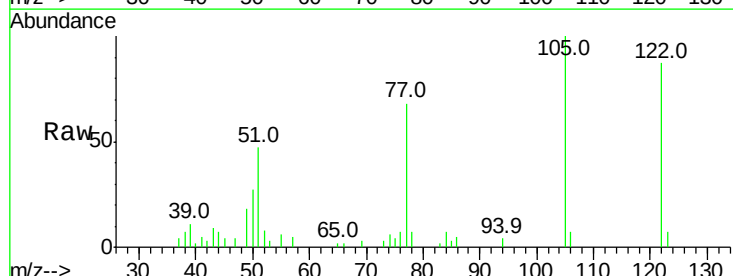
Tgt Ion:122 Resp: 15464

Ion Ratio Lower Upper

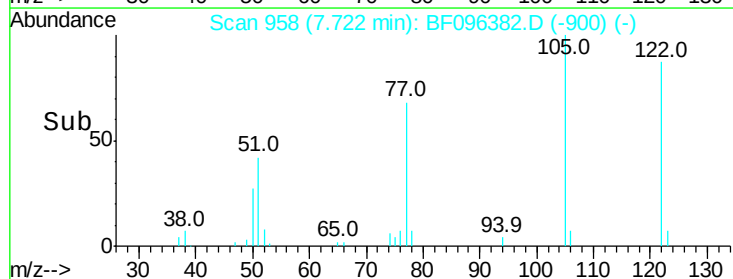
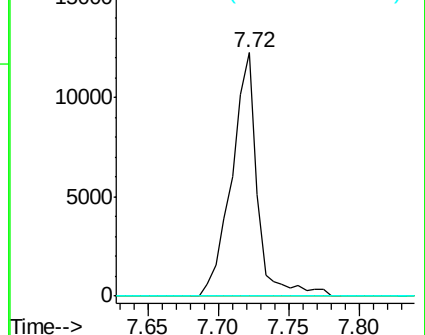
122 100

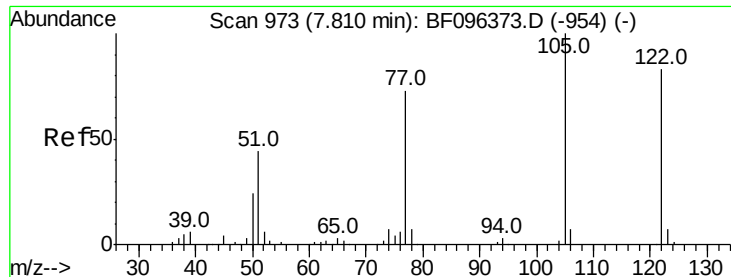
107 0.0 89.2 133.8#

121 0.0 45.2 67.8#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#32

Benzoic acid

Concen: 2.44 ng

RT: 7.72 min Scan# 958

Delta R.T. -0.09 min

Lab File: BF096382.D

Acq: 1 Jul 2017 16:46

Instrument :

BNA_F

ClientSampleId :

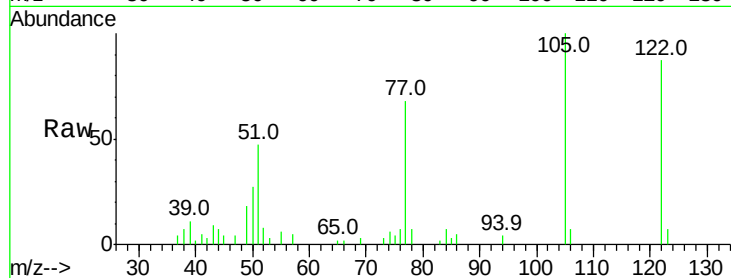
Tot Ion:122 Resp: 15464

Ion Ratio Lower Upper

122 100

105 114.7 103.3 143.3

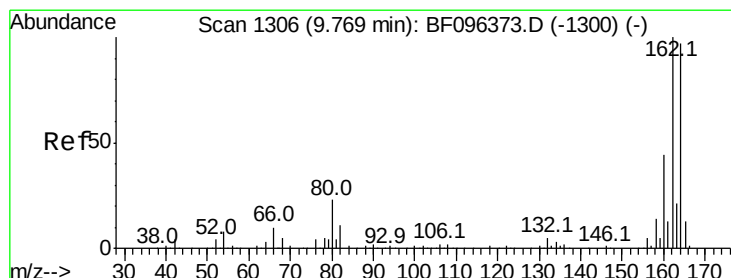
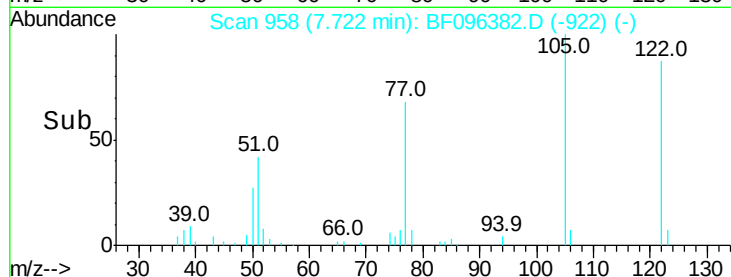
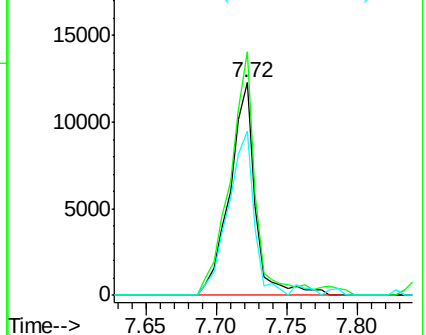
77 77.6 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF096382.D

Acq: 1 Jul 2017 16:46

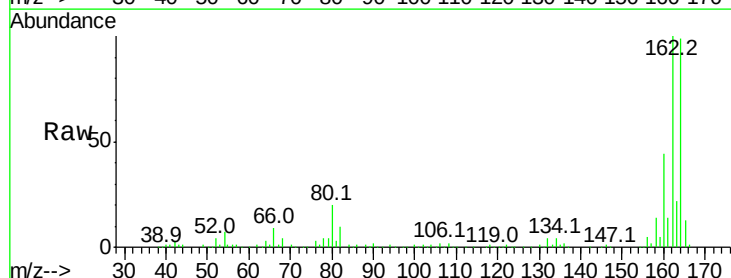
Tgt Ion:164 Resp: 203497

Ion Ratio Lower Upper

164 100

162 100.7 82.6 123.8

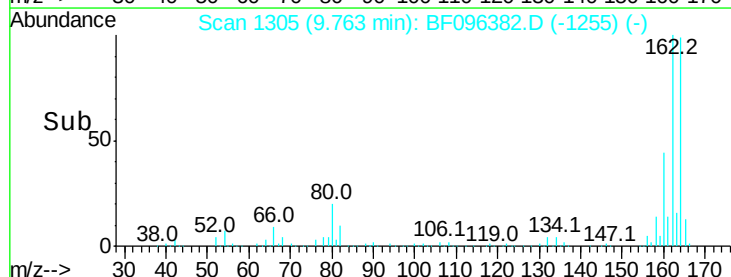
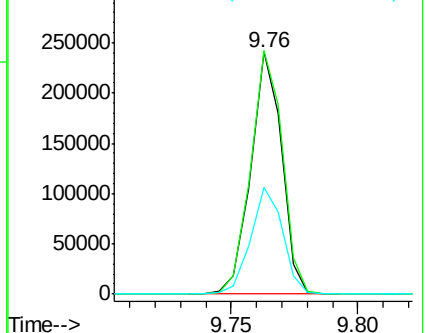
160 44.0 36.2 54.2

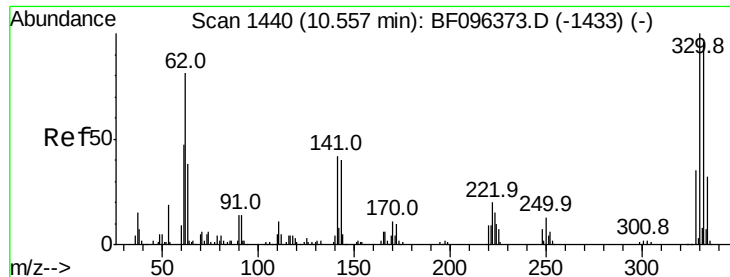


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

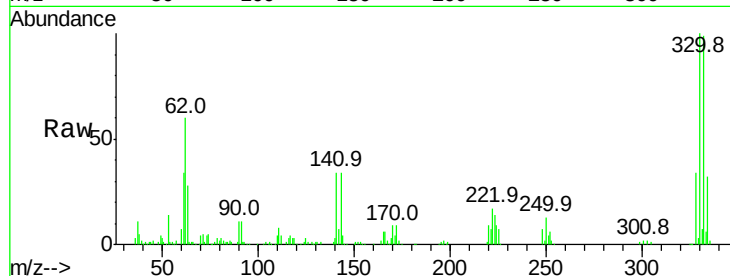




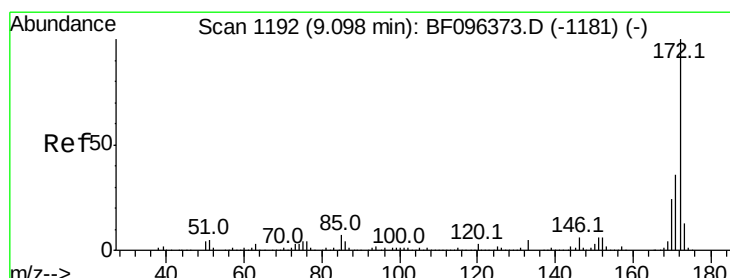
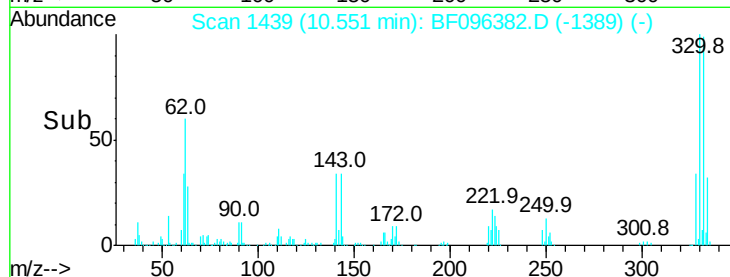
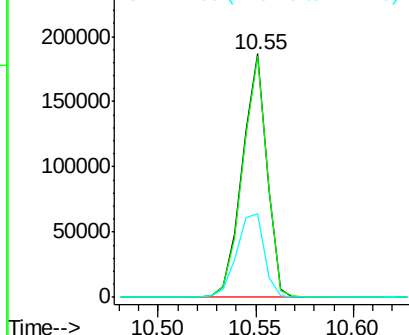
#41
 2,4,6-Tribromophenol
 Concen: 102.81 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF096382.D
 Acq: 1 Jul 2017 16:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.6	115.0
141	38.1	31.4	47.2

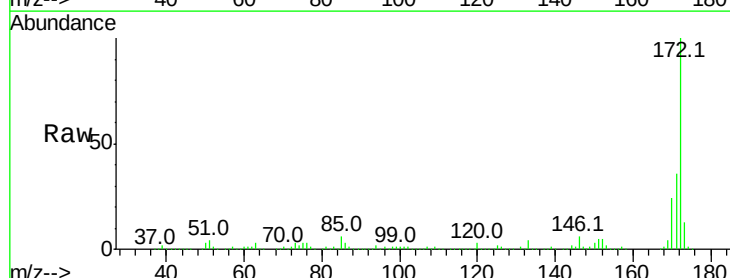


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

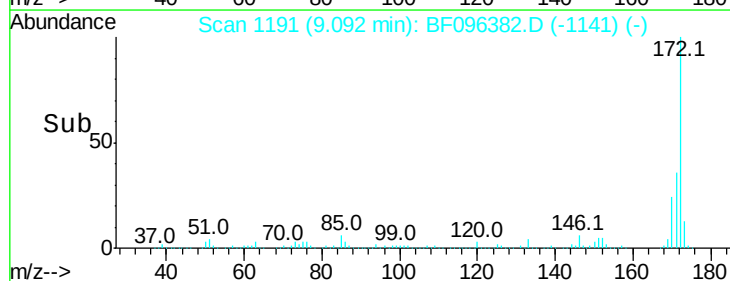
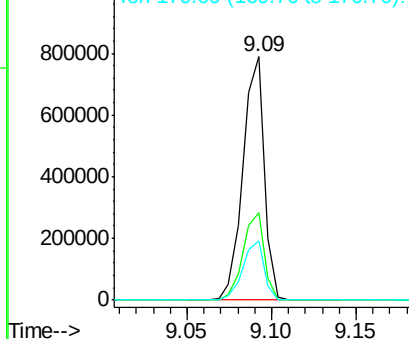


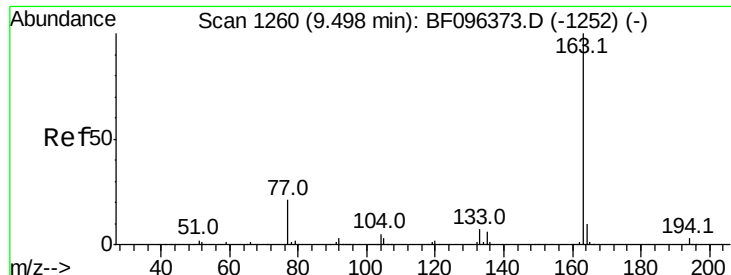
#44
 2-Fluorobiphenyl
 Concen: 58.50 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF096382.D
 Acq: 1 Jul 2017 16:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.1	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: 13.03 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF096382.D

Acq: 1 Jul 2017 16:46

Instrument :

BNA_F

ClientSampleId :

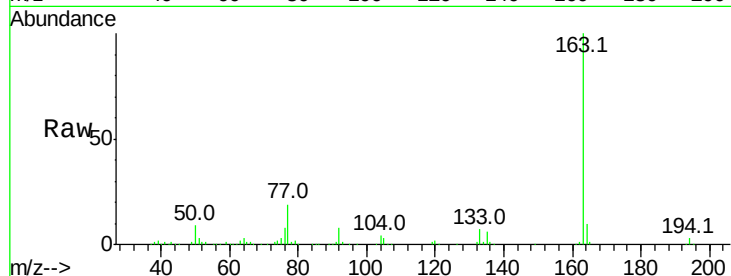
Tot Ion:163 Resp: 197919

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

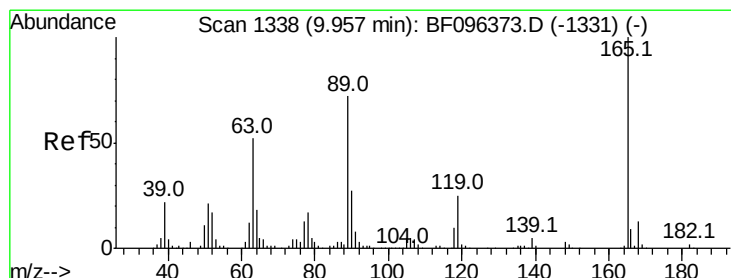
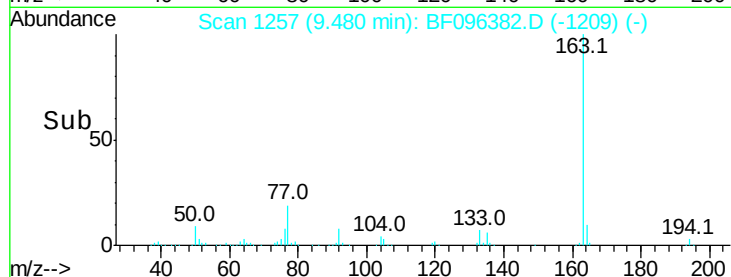
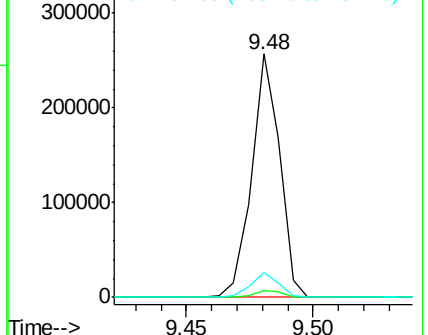
164 10.1 8.4 12.6



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: 6.04 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.19 min

Lab File: BF096382.D

Acq: 1 Jul 2017 16:46

Tgt Ion:165 Resp: 25714

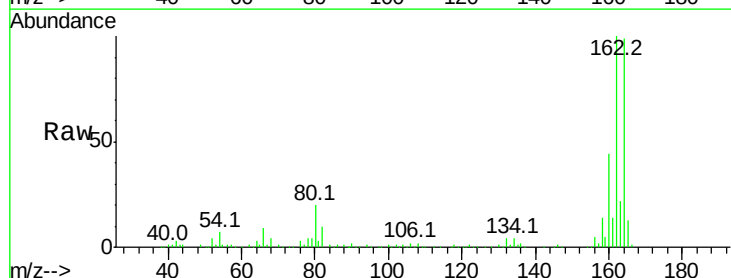
Ion Ratio Lower Upper

165 100

63 1.8 25.4 38.0#

89 2.5 46.4 69.6#

182 0.0 1.8 2.6#

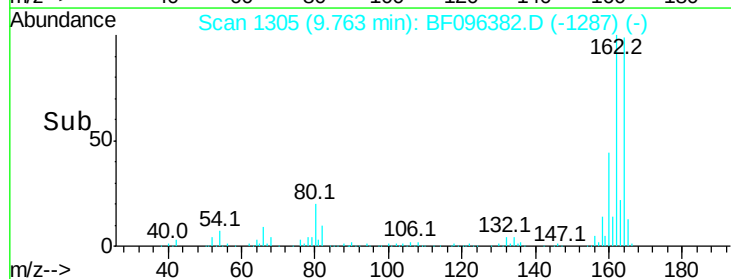
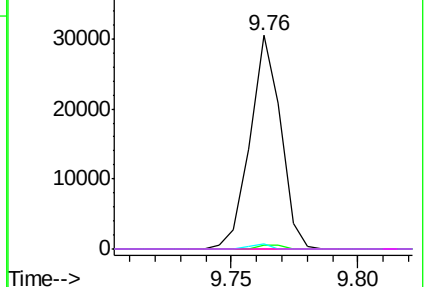


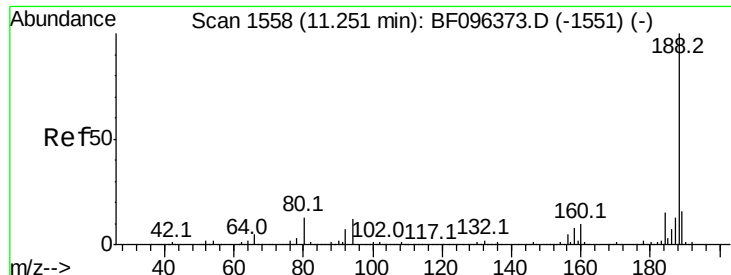
Abundance Ion 165.00 (164.70 to 165.70): E

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

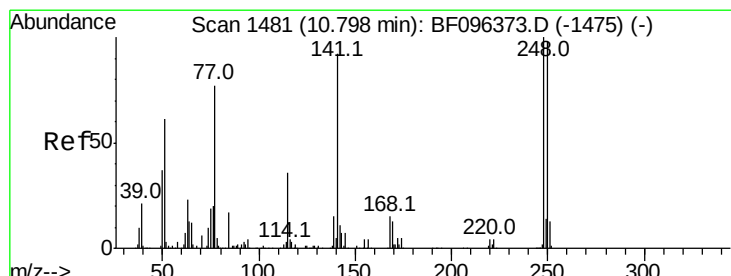
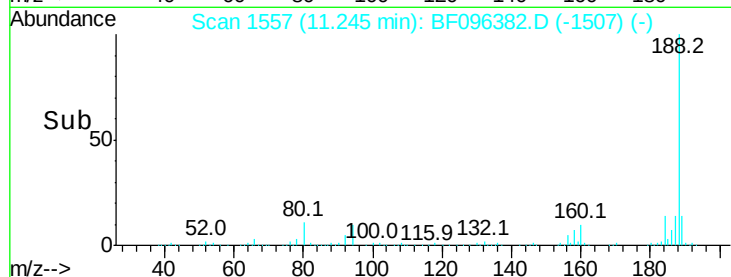
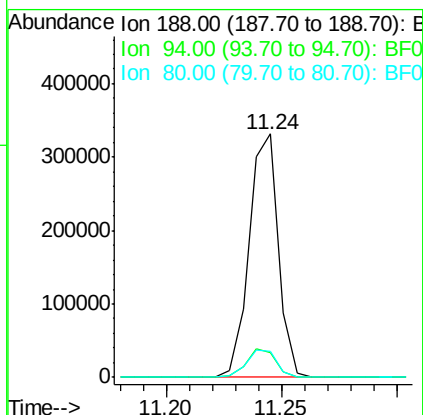
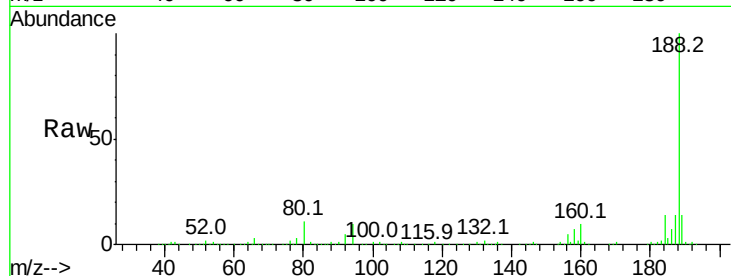




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF096382.D
Acq: 1 Jul 2017 16:46

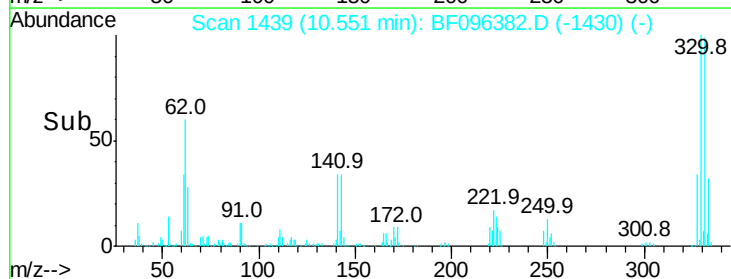
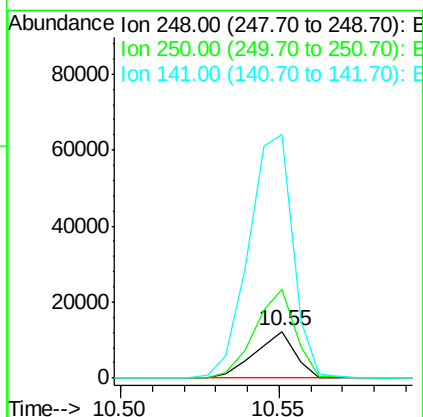
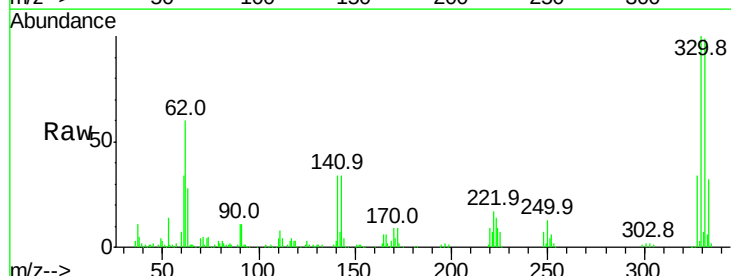
Instrument :
BNA_F
ClientSampleId :

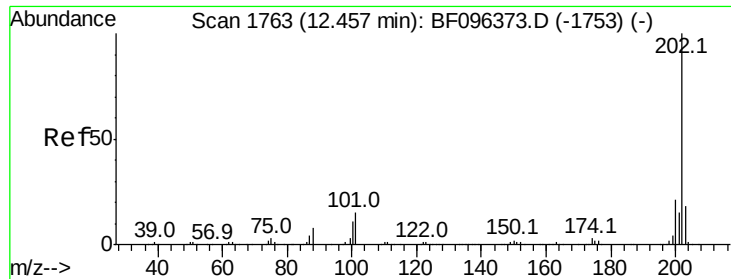
Tot Ion:188 Resp: 292861
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.2
80 10.5 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 3.77 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.25 min
Lab File: BF096382.D
Acq: 1 Jul 2017 16:46

Tgt Ion:248 Resp: 10746
Ion Ratio Lower Upper
248 100
250 191.0 76.8 115.2#
141 522.4 68.6 103.0#





#74

Fluoranthene

Concen: 2.08 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF096382.D

Acq: 1 Jul 2017 16:46

Instrument :

BNA_F

ClientSampleId :

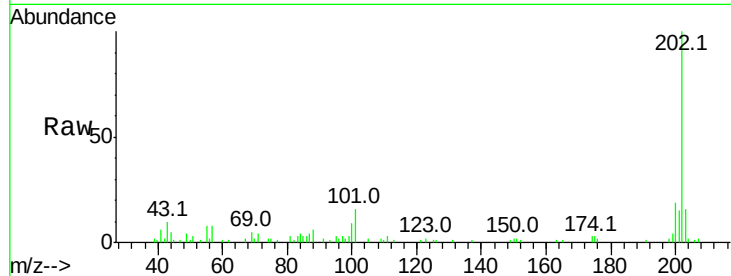
Tot Ion:202 Resp: 32218

Ion Ratio Lower Upper

202 100

101 15.5 0.0 33.2

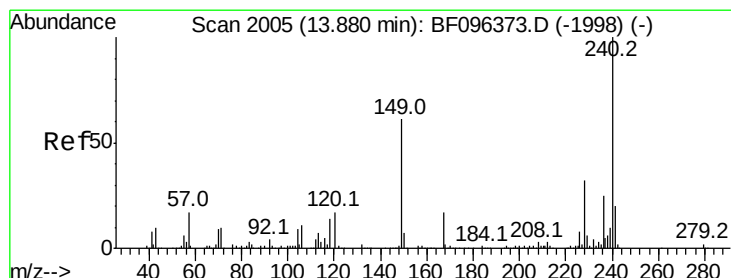
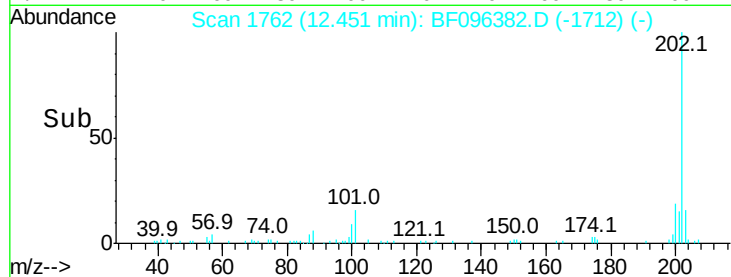
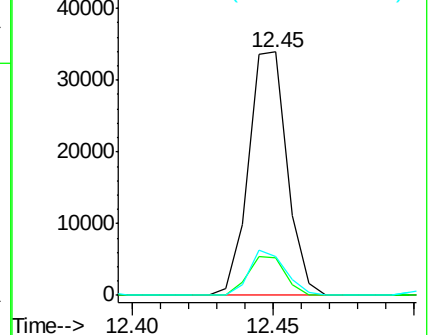
203 16.2 0.0 38.1



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: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096382.D

Acq: 1 Jul 2017 16:46

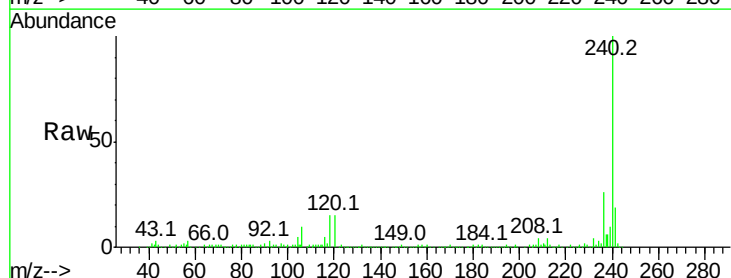
Tgt Ion:240 Resp: 199873

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

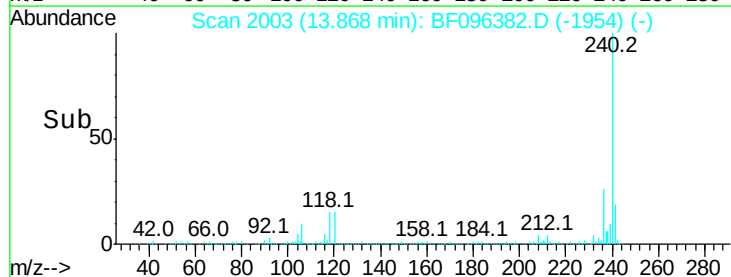
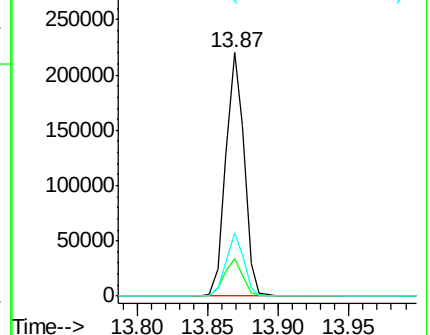
236 25.8 20.5 30.7

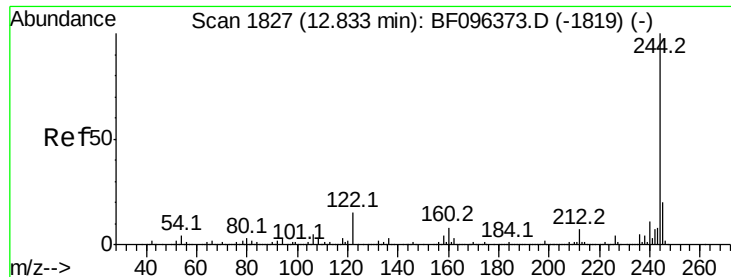


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

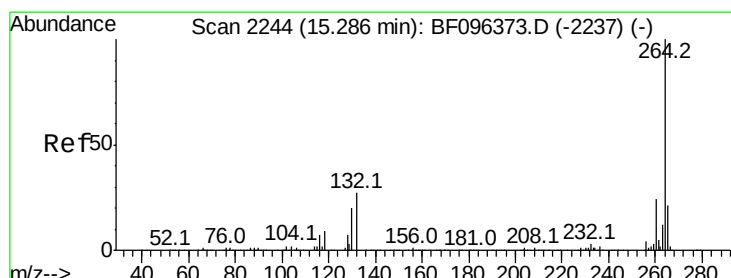
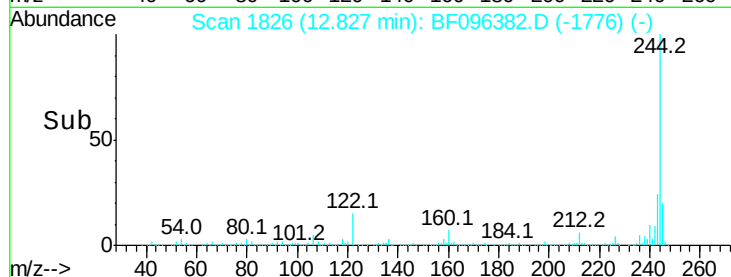
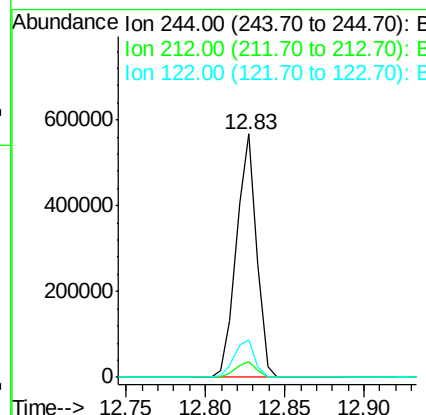
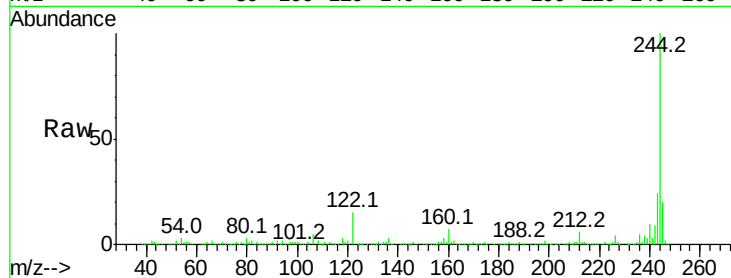




#78
 Terphenyl-d14
 Concen: 53.44 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF096382.D
 Acq: 1 Jul 2017 16:46

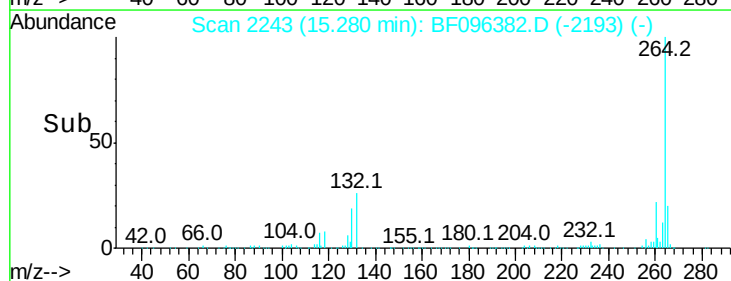
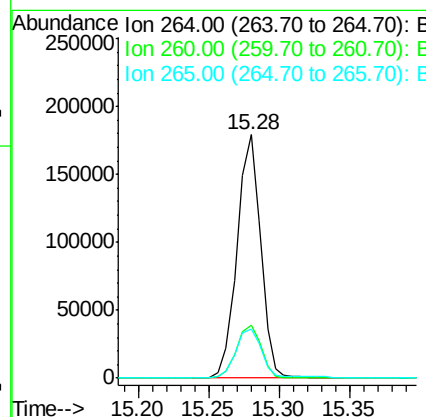
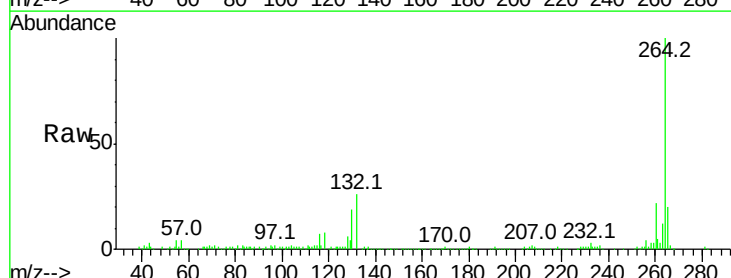
Instrument :
 BNA_F
 ClientSampleId :

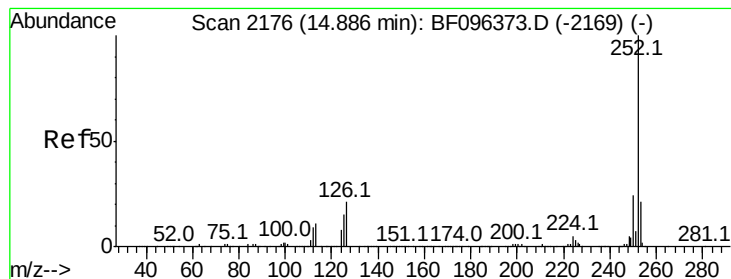
Tot Ion:244 Resp: 499851
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 15.3 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BF096382.D
 Acq: 1 Jul 2017 16:46

Tgt Ion:264 Resp: 209183
 Ion Ratio Lower Upper
 264 100
 260 22.0 19.5 29.3
 265 20.3 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 3.12 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BF096382.D

Acq: 1 Jul 2017 16:46

Instrument :

BNA_F

ClientSampleId :

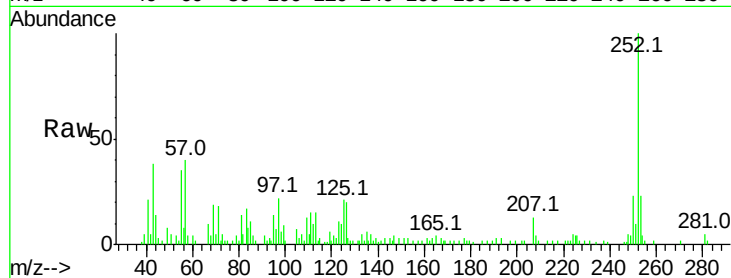
Tot Ion:252 Resp: 40946

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

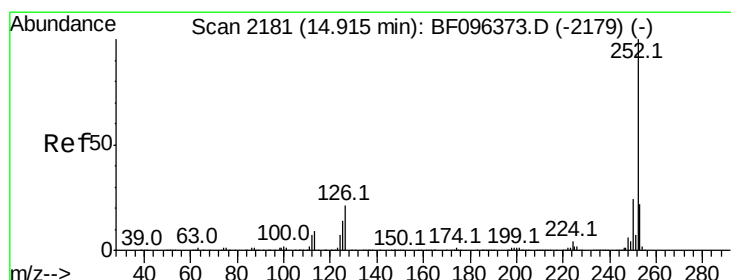
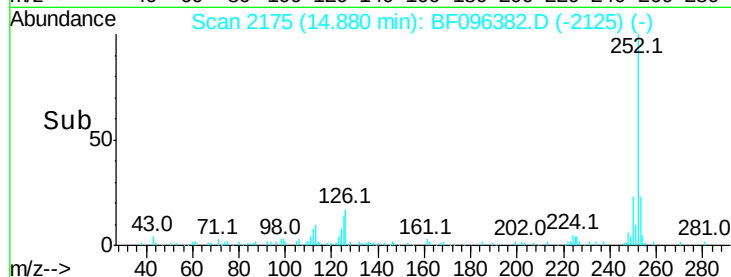
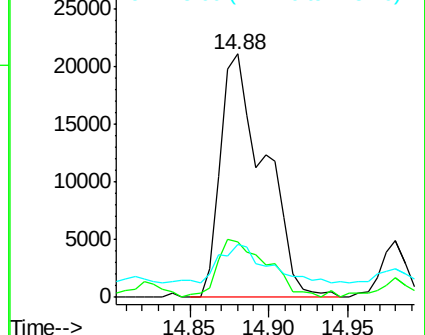
125 21.5 9.8 14.8#



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: 3.49 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.04 min

Lab File: BF096382.D

Acq: 1 Jul 2017 16:46

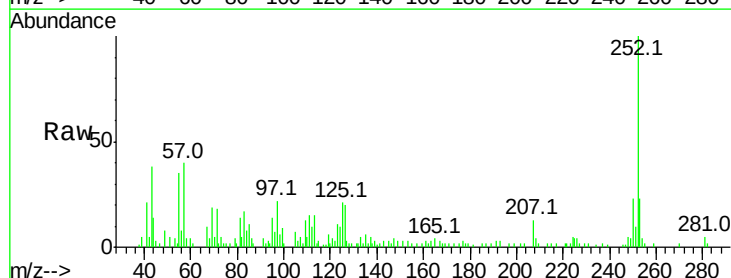
Tgt Ion:252 Resp: 40946

Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

125 21.5 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

