

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070117\
 Data File : BF096396.D
 Acq On : 1 Jul 2017 23:20
 Operator : SJ/MA
 Sample : I3959-10 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 01:52:20 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	113998	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	364729	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	133378	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	253026	20.00	ng	0.00
75) Chrysene-d12	13.87	240	253811	20.00	ng	0.00
86) Perylene-d12	15.29	264	157041	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	401864	52.03	ng	0.00
7) Phenol-d6	6.36	99	529758	55.79	ng	-0.01
23) Nitrobenzene-d5	7.29	82	314848	51.87	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	16905	16.23	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	463140	59.37	ng	-0.01
78) Terphenyl-d14	12.83	244	445046	37.47	ng	0.00

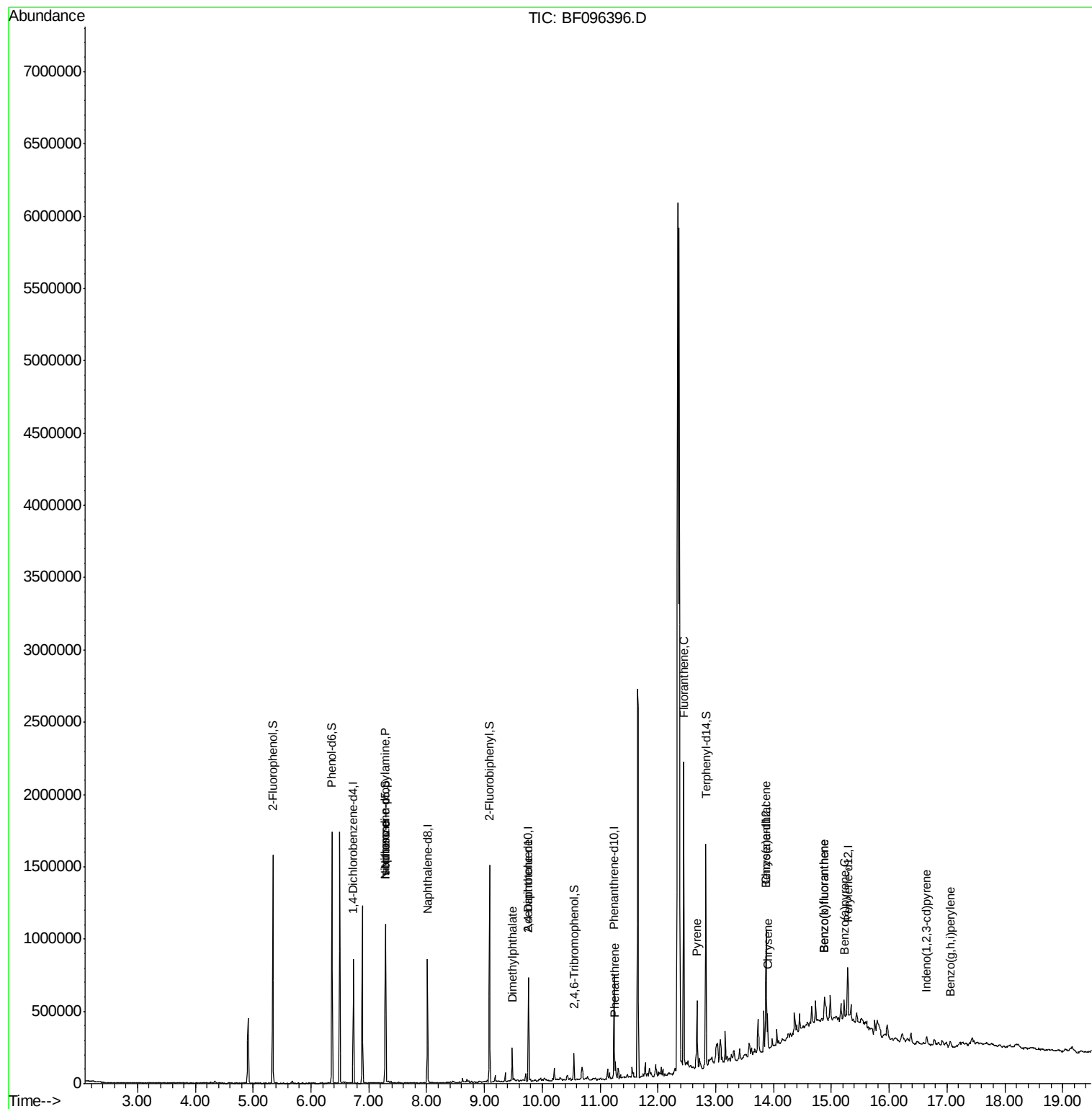
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	40998	7.25	ng	# 88
25) Isophorone	7.29	82	313835	26.67	ng	# 67
49) Dimethylphthalate	9.48	163	76037	7.64	ng	100
56) 2,4-Dinitrotoluene	9.76	165	17336	6.22	ng	# 32
70) Phenanthrene	11.26	178	42730	3.12	ng	94
74) Fluoranthene	12.45	202	141617	10.56	ng	88
77) Pyrene	12.68	202	161590	7.93	ng	98
80) Benzo(a)anthracene	13.86	228	96913	6.59	ng	99
82) Chrysene	13.90	228	90649	5.89	ng	96
85) Indeno(1,2,3-cd)pyrene	16.65	276	30137	2.48	ng	99
87) Benzo(b)fluoranthene	14.88	252	125065	12.71	ng	# 93
88) Benzo(k)fluoranthene	14.88	252	125065	14.21	ng	97
89) Benzo(a)pyrene	15.22	252	62845	7.15	ng	# 86
91) Benzo(a,h,i)perylene	17.06	276	28867	4.03	ng	92

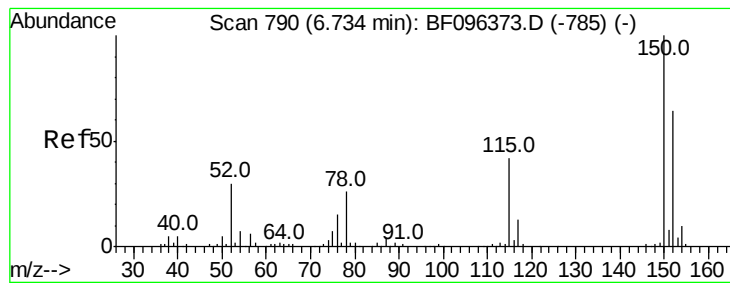
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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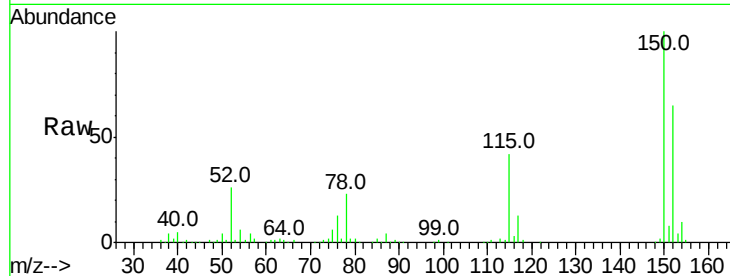


#1

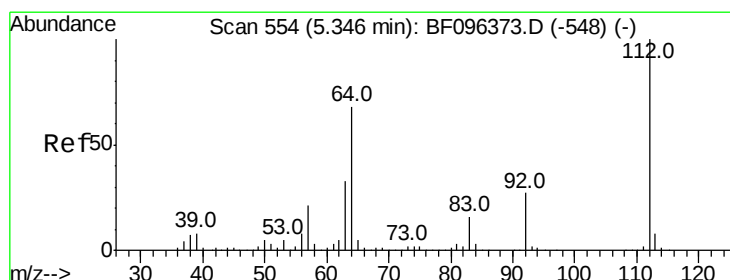
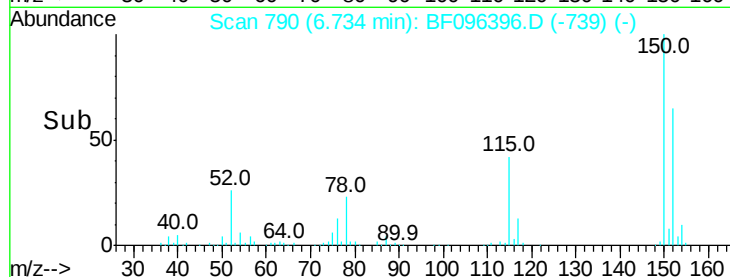
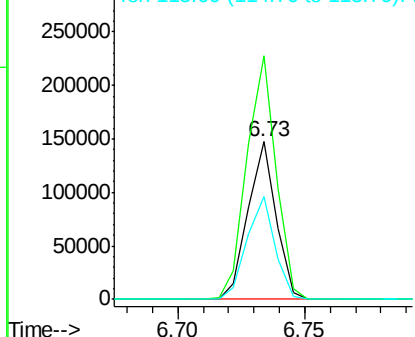
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF096396.D
Acq: 1 Jul 2017 23:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 113998
Ion Ratio Lower Upper
152 100
150 154.6 126.2 189.2
115 64.9 52.2 78.2



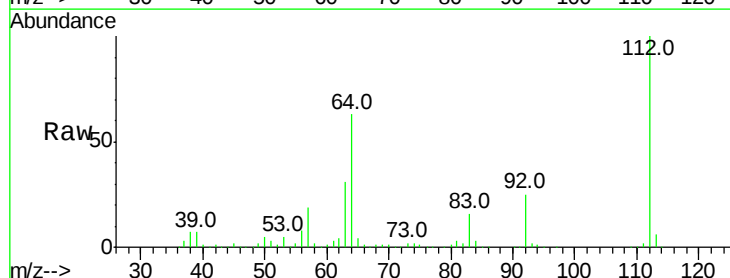
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



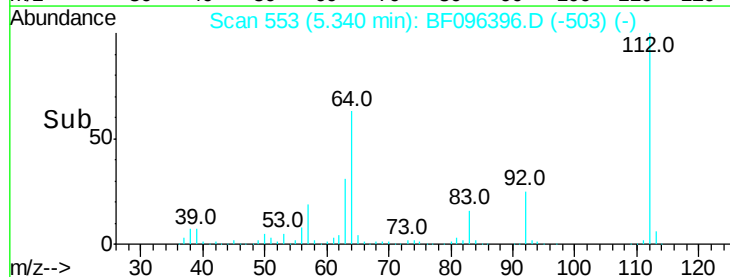
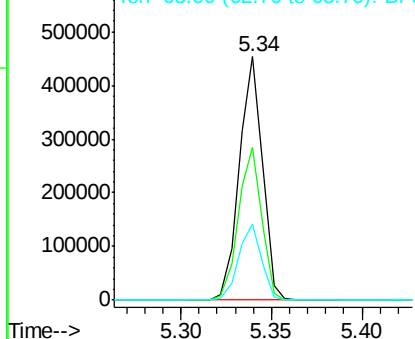
#5

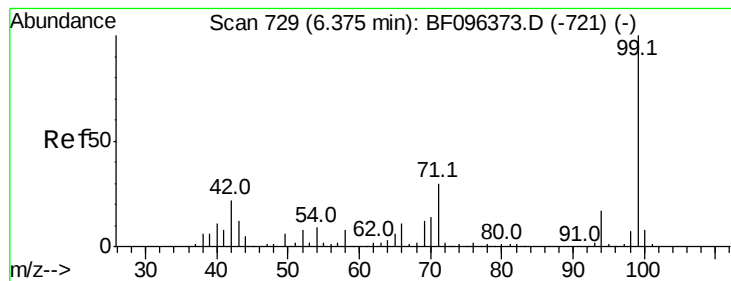
2-Fluorophenol
Concen: 52.03 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF096396.D
Acq: 1 Jul 2017 23:20

Tgt Ion:112 Resp: 401864
Ion Ratio Lower Upper
112 100
64 62.9 46.0 69.0
63 31.4 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: 55.79 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096396.D

Acq: 1 Jul 2017 23:20

Instrument :

BNA_F

ClientSampleId :

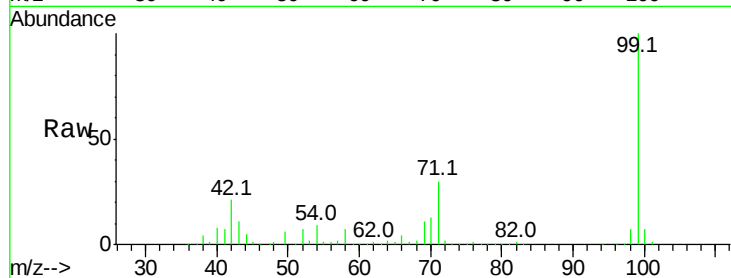
Tot Ion: 99 Resp: 529758

Ion Ratio Lower Upper

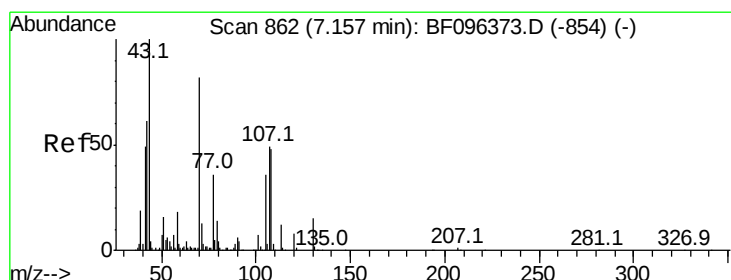
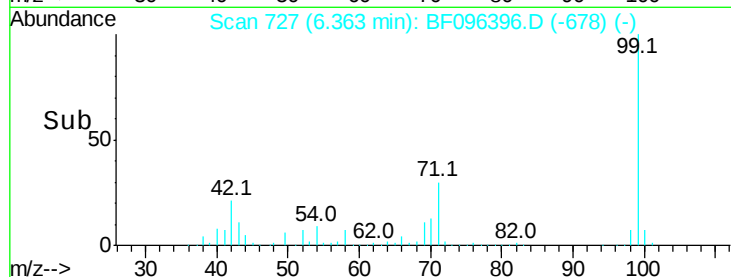
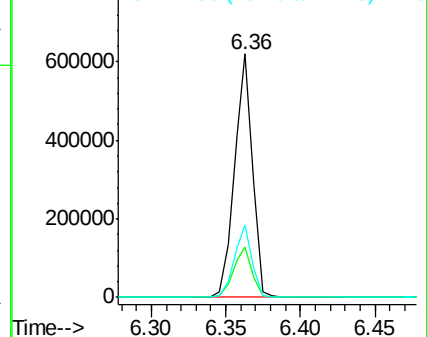
99 100

42 20.9 13.5 20.3#

71 29.9 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: 7.25 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.13 min

Lab File: BF096396.D

Acq: 1 Jul 2017 23:20

Tgt Ion: 70 Resp: 40998

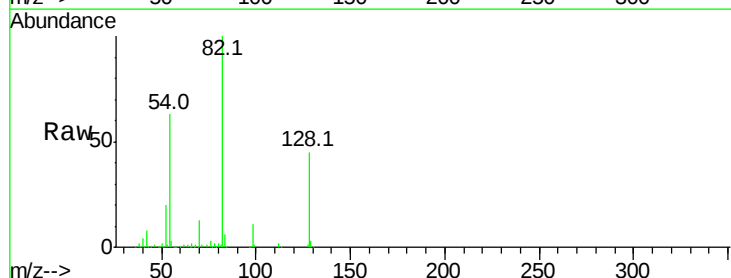
Ion Ratio Lower Upper

70 100

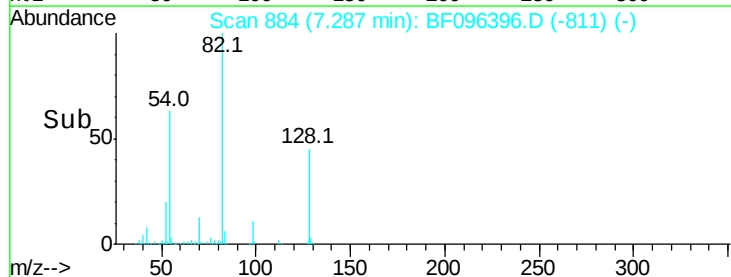
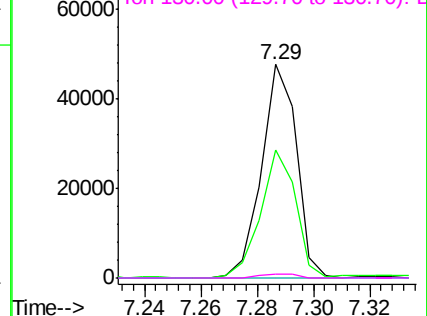
42 60.1 47.2 70.8

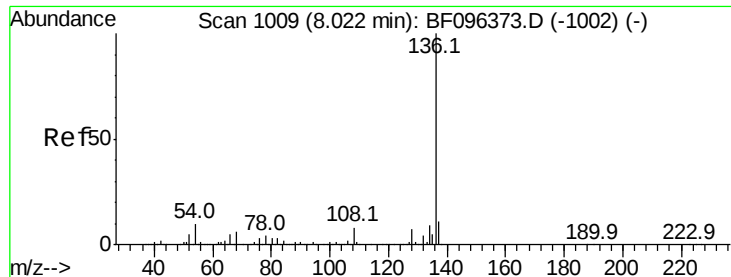
101 0.0 7.2 10.8#

130 2.0 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: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF096396.D

Acq: 1 Jul 2017 23:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 364729

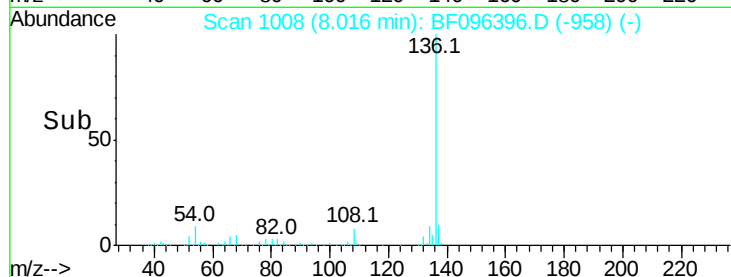
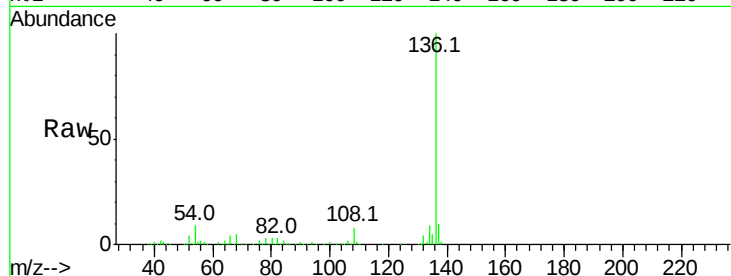
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 9.2 4.9 7.3#

68 4.8 4.1 6.1

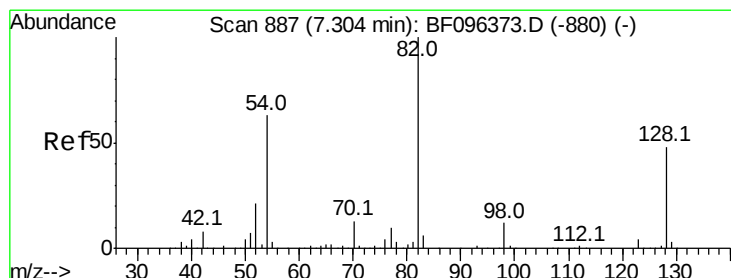
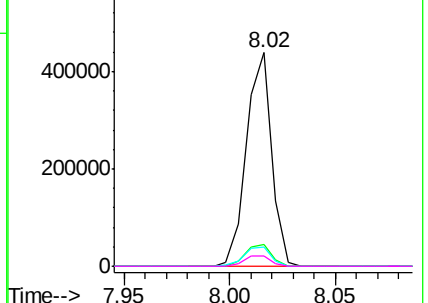


Abundance Ion 136.00 (135.70 to 136.70): E

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: 51.87 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF096396.D

Acq: 1 Jul 2017 23:20

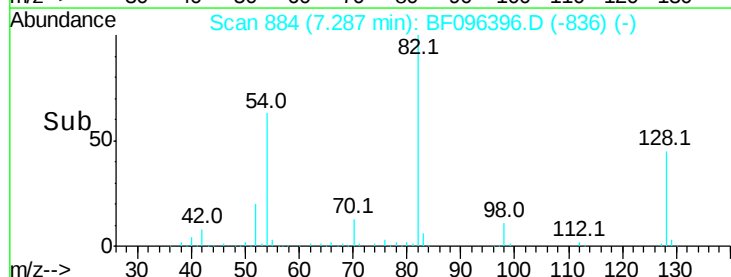
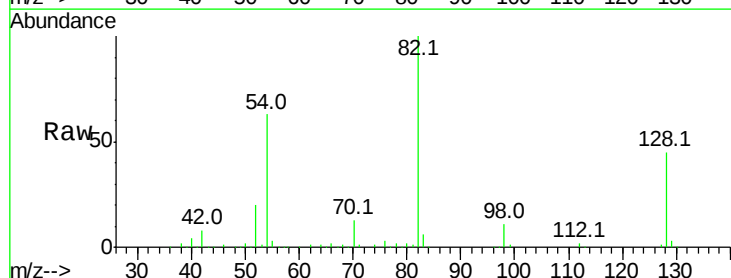
Tgt Ion: 82 Resp: 314848

Ion Ratio Lower Upper

82 100

128 45.2 34.0 51.0

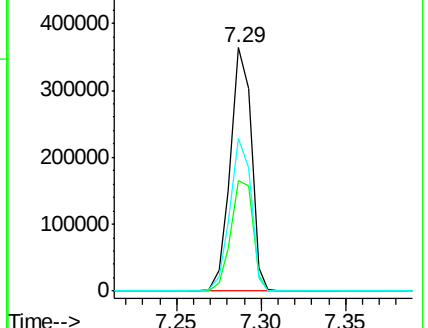
54 62.7 42.2 63.2

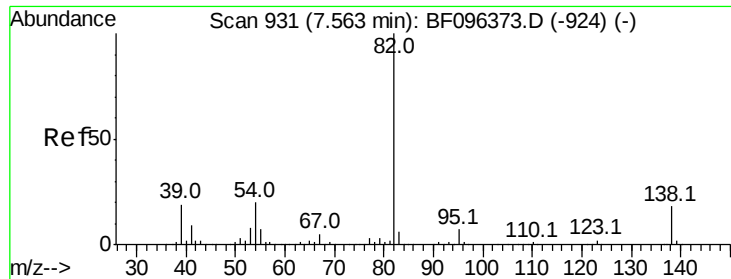


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 26.67 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF096396.D

Acq: 1 Jul 2017 23:20

Instrument :
BNA_F
ClientSampled :

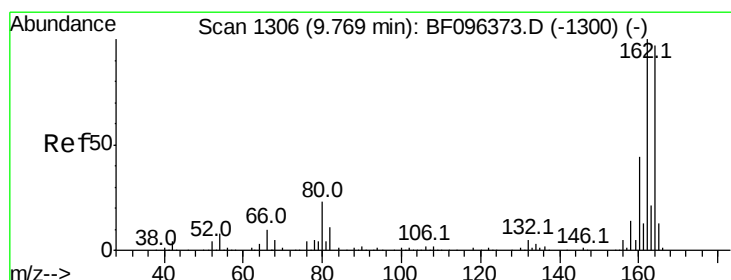
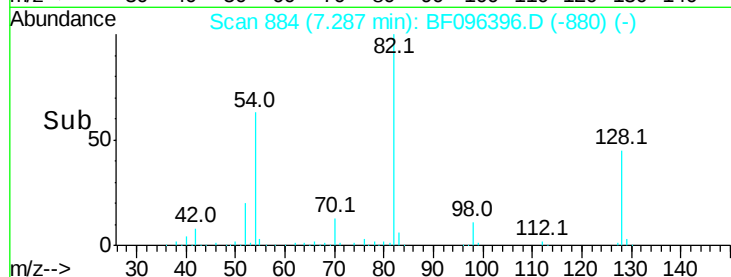
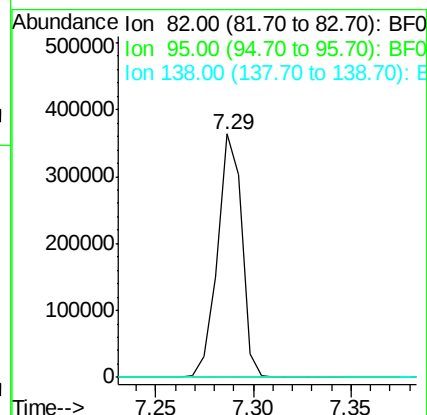
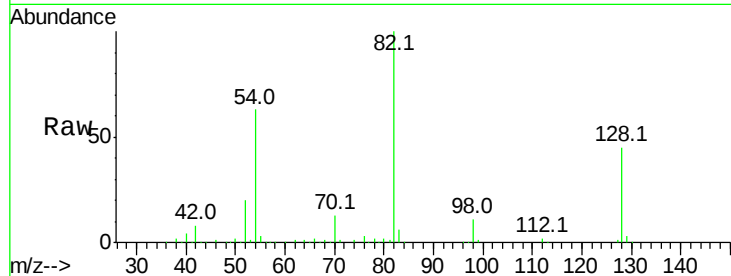
Tot Ion: 82 Resp: 313835

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: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF096396.D

Acq: 1 Jul 2017 23:20

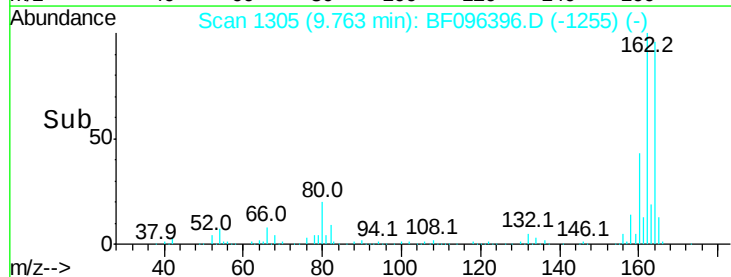
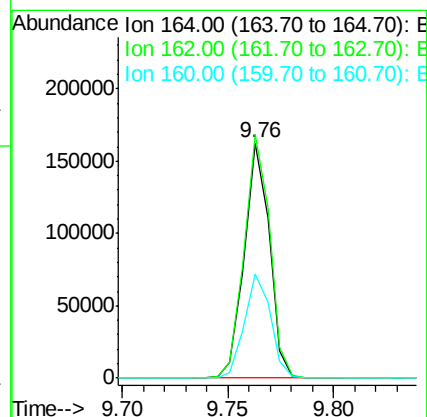
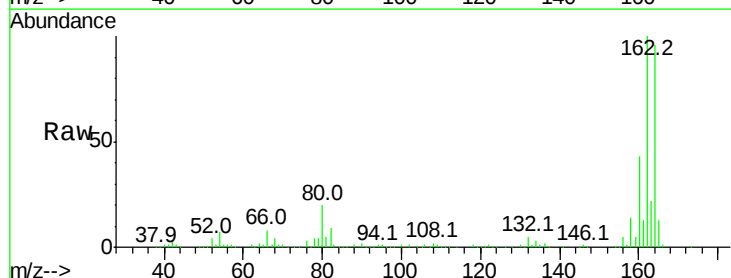
Tgt Ion:164 Resp: 133378

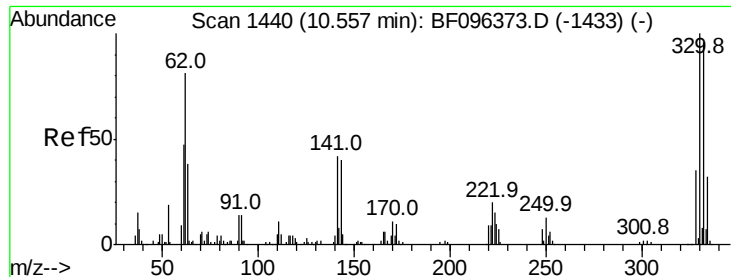
Ion Ratio Lower Upper

164 100

162 103.7 82.6 123.8

160 44.1 36.2 54.2

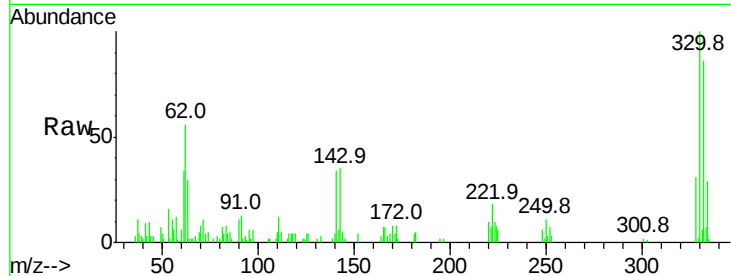




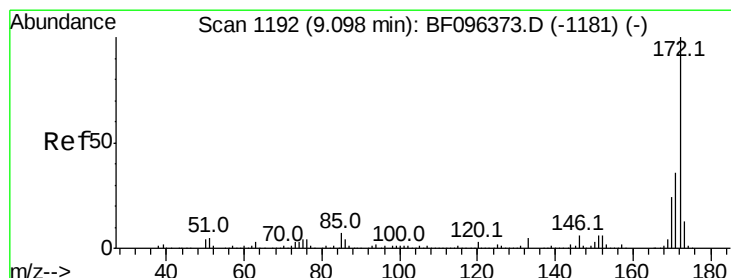
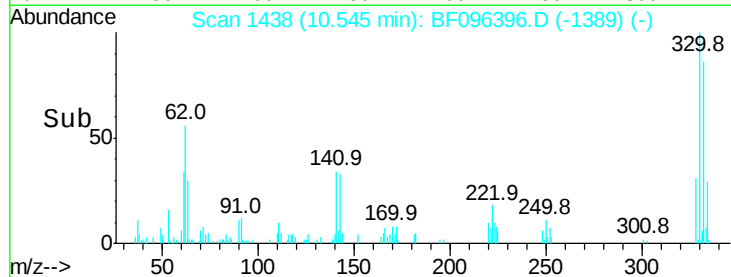
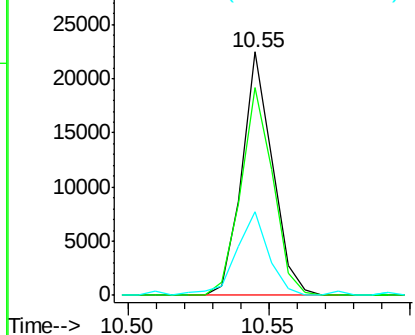
#41
 2,4,6-Tribromophenol
 Concen: 16.23 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF096396.D
 Acq: 1 Jul 2017 23:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 16905
 Ion Ratio Lower Upper
 330 100
 332 89.5 76.6 115.0
 141 36.3 31.4 47.2

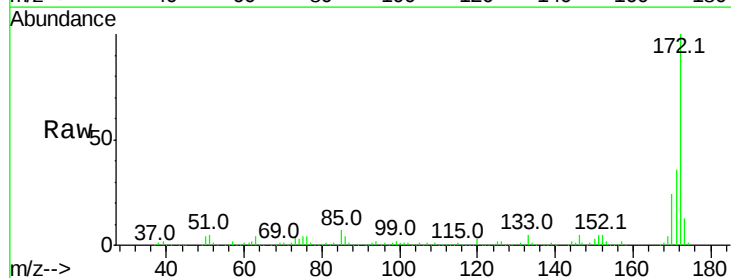


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

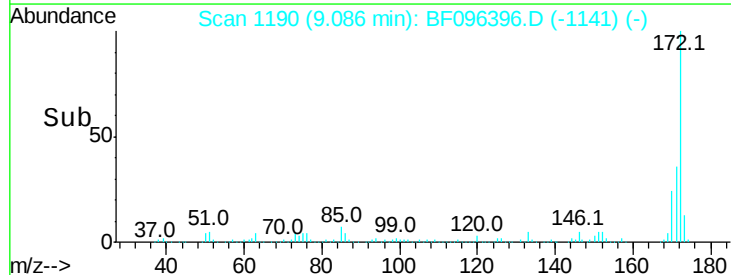
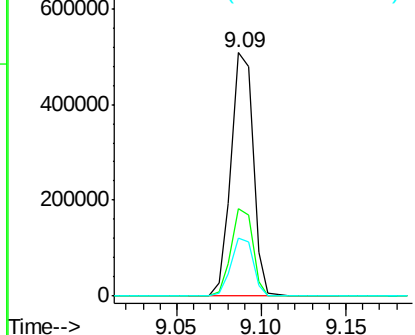


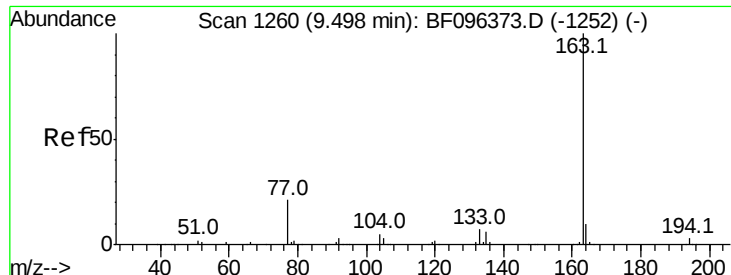
#44
 2-Fluorobiphenyl
 Concen: 59.37 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF096396.D
 Acq: 1 Jul 2017 23:20

Tgt Ion:172 Resp: 463140
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 23.8 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

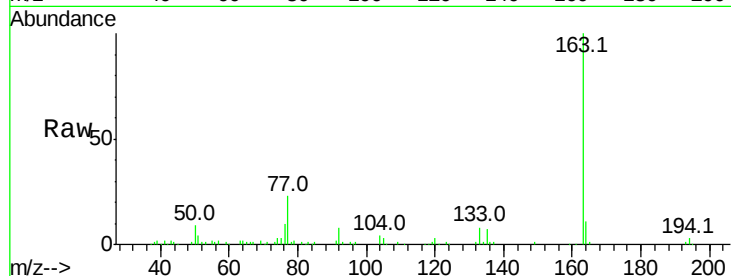




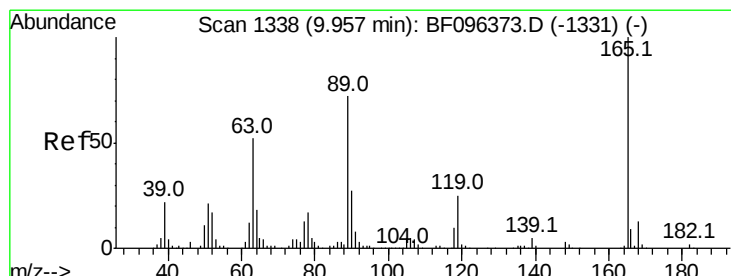
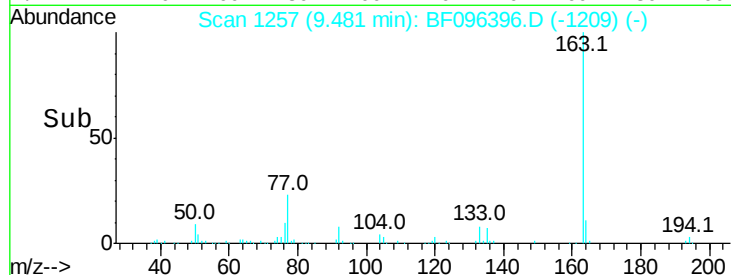
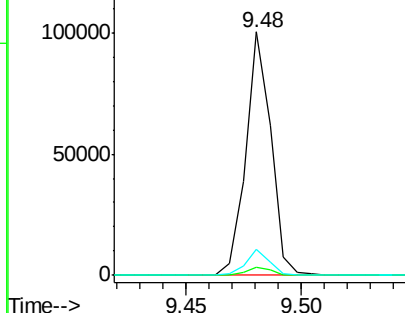
#49
Dimethylphthalate
Concen: 7.64 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF096396.D
Acq: 1 Jul 2017 23:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 76037
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.6 8.4 12.6



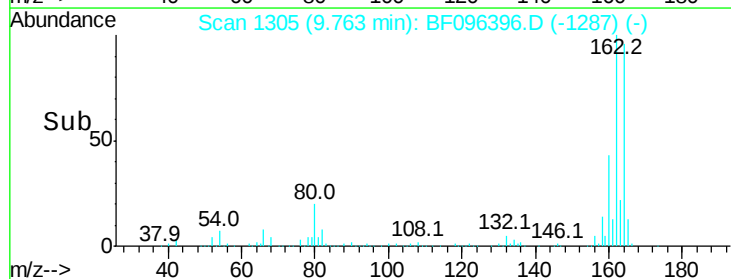
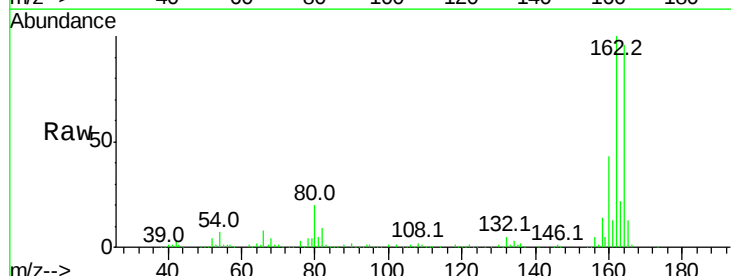
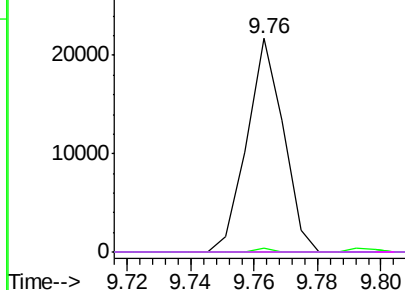
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

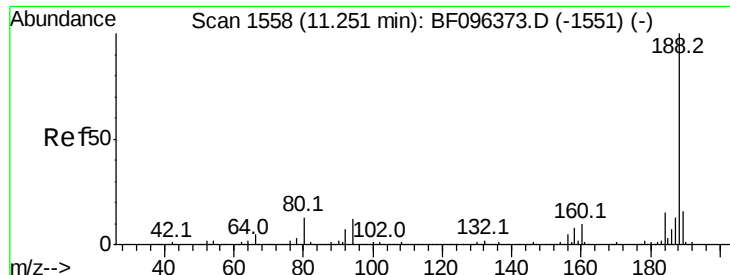


#56
2,4-Dinitrotoluene
Concen: 6.22 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF096396.D
Acq: 1 Jul 2017 23:20

Tgt Ion:165 Resp: 17336
Ion Ratio Lower Upper
165 100
63 1.5 25.4 38.0#
89 0.0 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

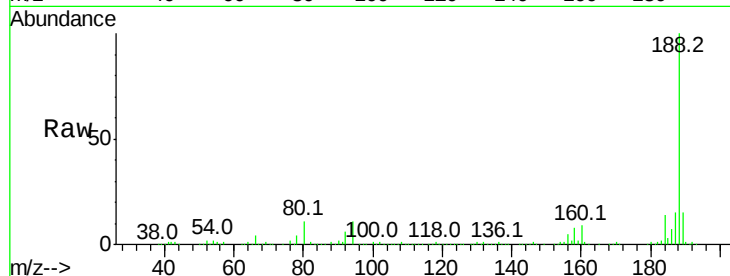




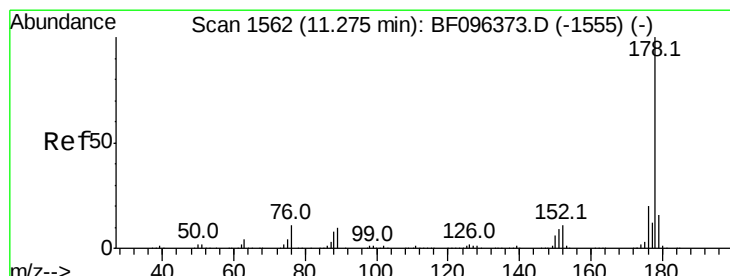
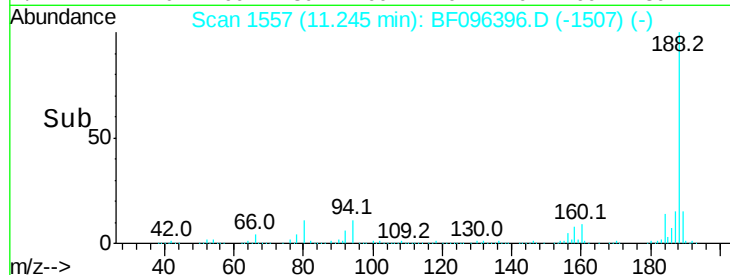
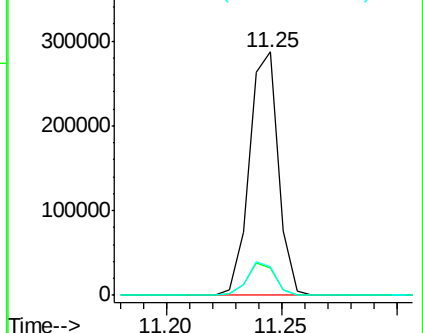
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF096396.D
Acq: 1 Jul 2017 23:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 253026
Ion Ratio Lower Upper
188 100
94 11.3 9.4 14.2
80 11.5 10.2 15.2

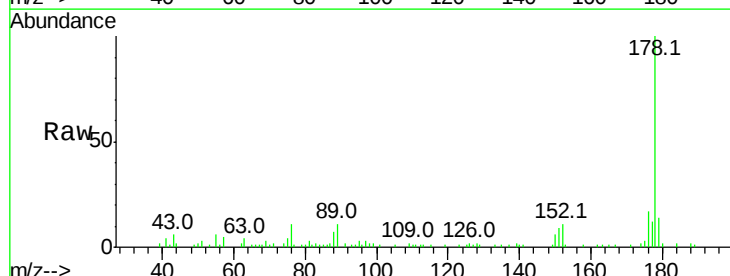


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

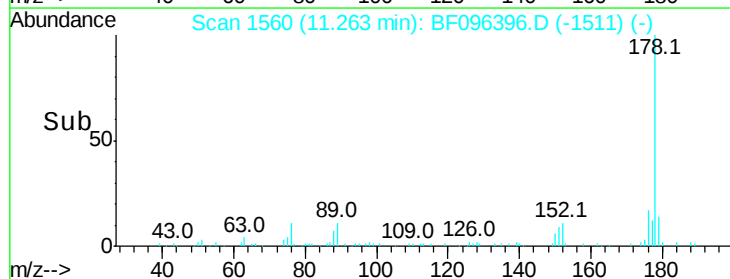
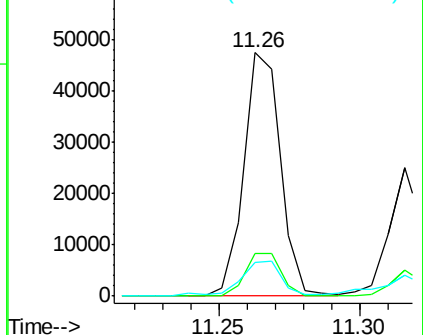


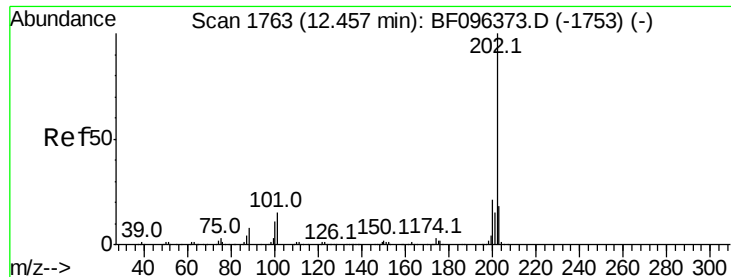
#70
Phenanthrene
Concen: 3.12 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF096396.D
Acq: 1 Jul 2017 23:20

Tgt Ion:178 Resp: 42730
Ion Ratio Lower Upper
178 100
176 17.3 16.2 24.4
179 13.7 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: 10.56 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF096396.D

Acq: 1 Jul 2017 23:20

Instrument :

BNA_F

ClientSampleId :

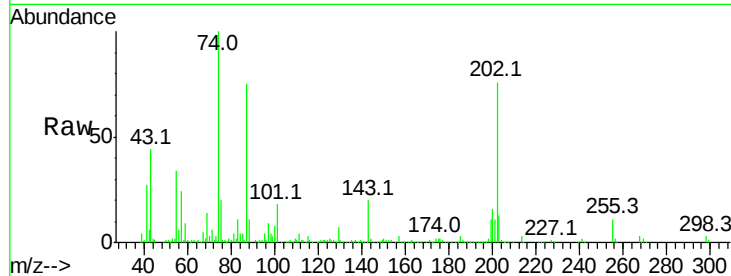
Tot Ion:202 Resp: 141617

Ion Ratio Lower Upper

202 100

101 23.6 0.0 33.2

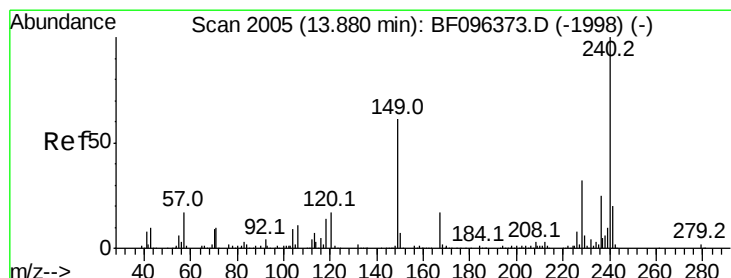
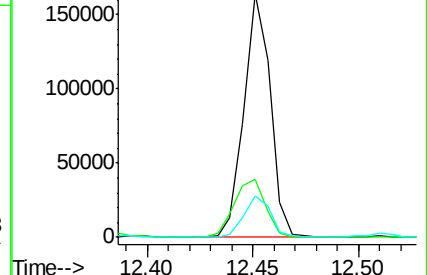
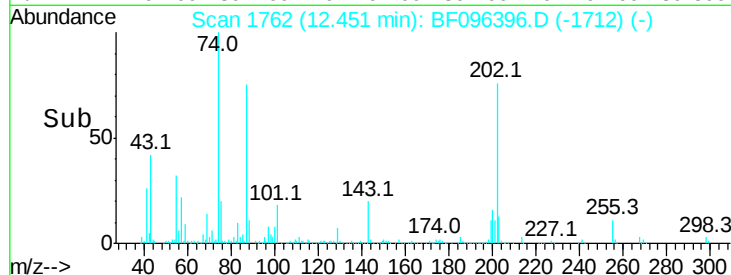
203 17.2 0.0 38.1



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# 2004

Delta R.T. -0.01 min

Lab File: BF096396.D

Acq: 1 Jul 2017 23:20

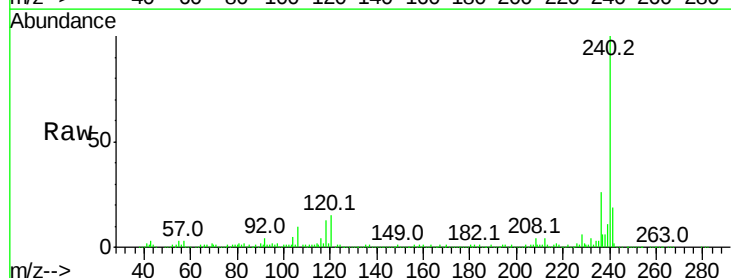
Tgt Ion:240 Resp: 253811

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

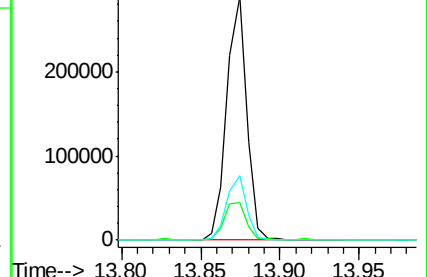
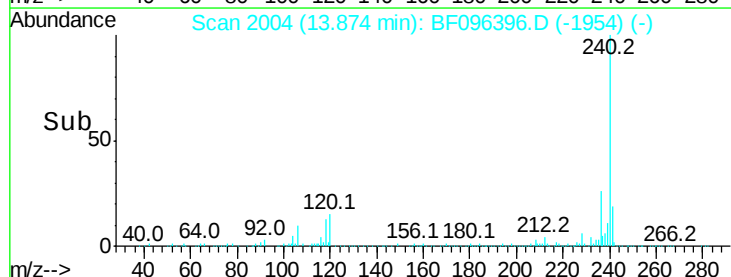
236 26.4 20.5 30.7

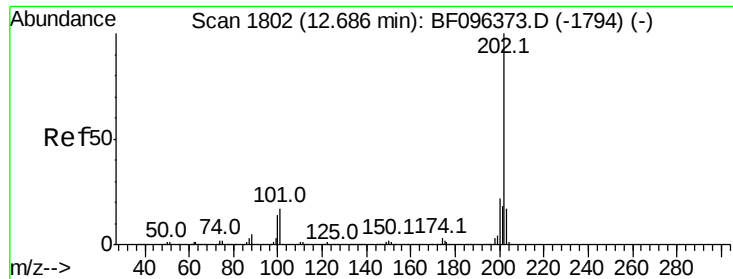


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.93 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF096396.D

Acq: 1 Jul 2017 23:20

Instrument :

BNA_F

ClientSampleId :

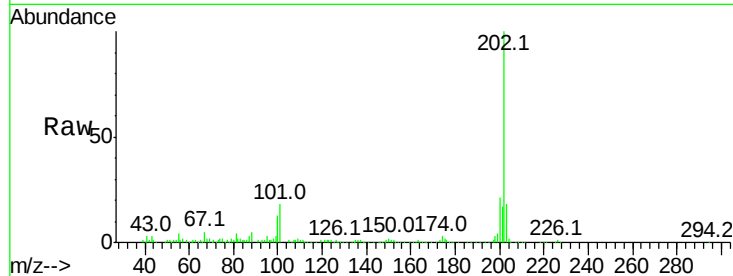
Tot Ion:202 Resp: 161590

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

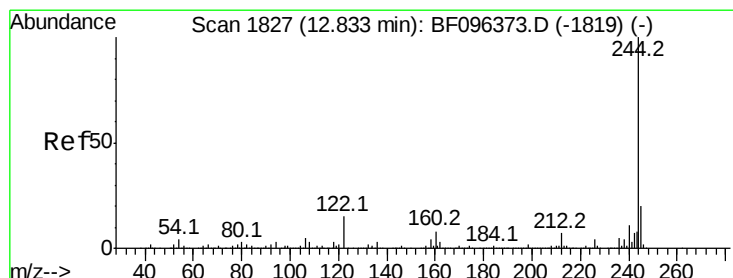
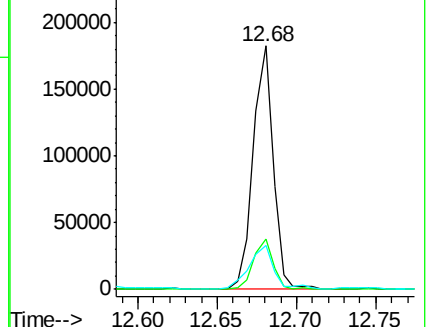
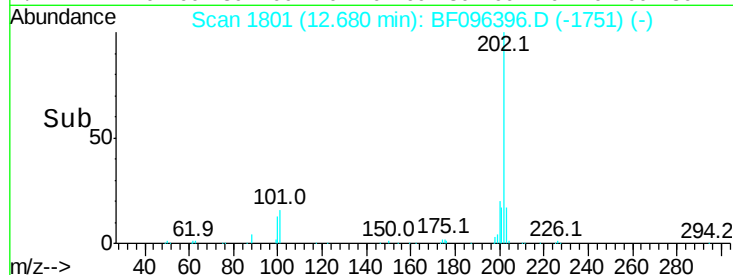
203 18.0 14.4 21.6



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: 37.47 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096396.D

Acq: 1 Jul 2017 23:20

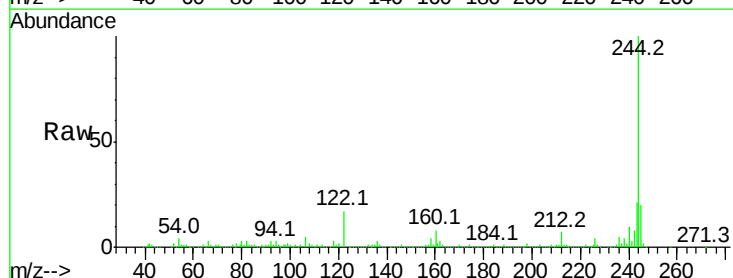
Tgt Ion:244 Resp: 445046

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

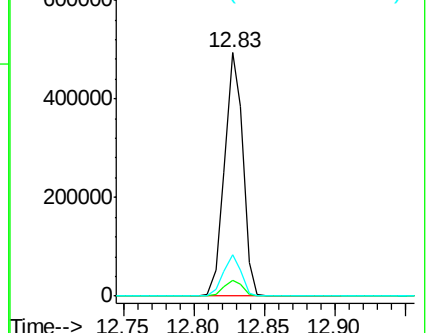
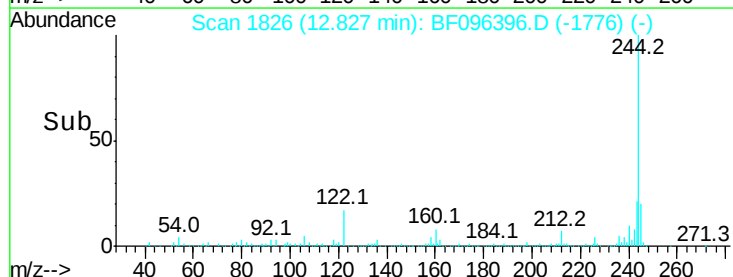
122 17.2 10.3 15.5#

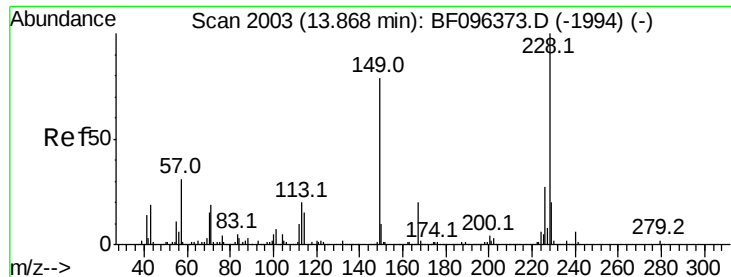


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

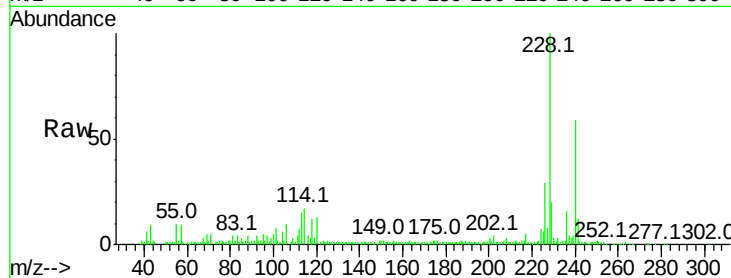




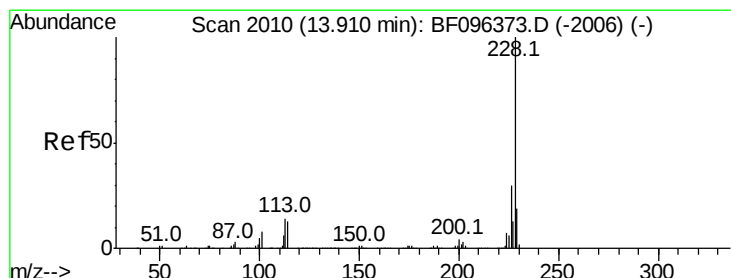
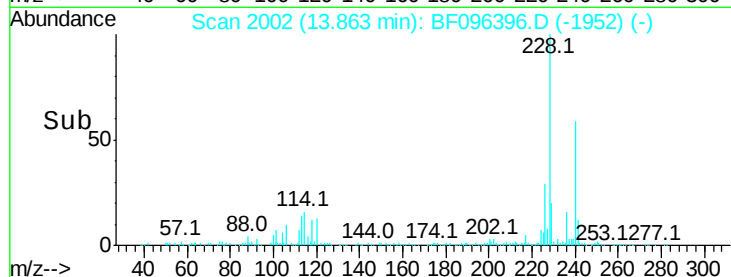
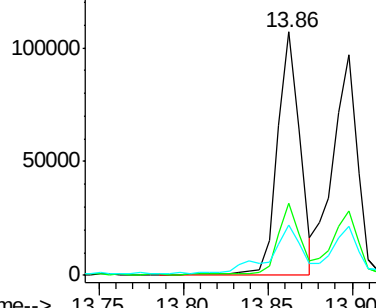
#80
Benzo(a)anthracene
Concen: 6.59 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF096396.D
Acq: 1 Jul 2017 23:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 96913
Ion Ratio Lower Upper
228 100
226 29.5 22.6 33.8
229 20.5 16.3 24.5

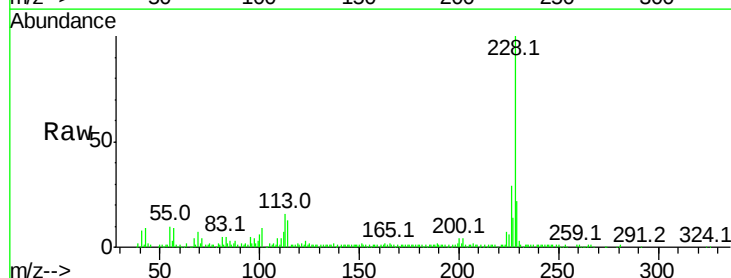


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

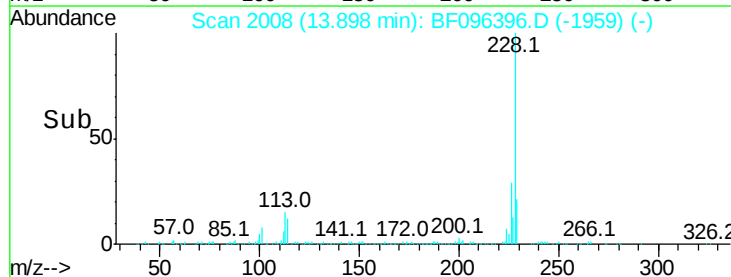
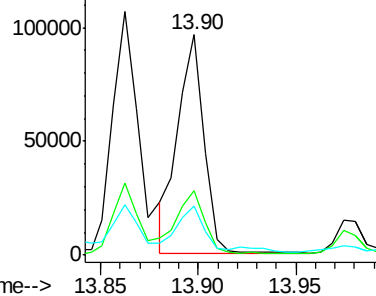


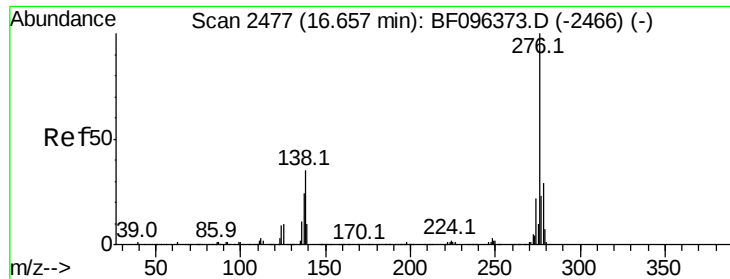
#82
Chrysene
Concen: 5.89 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF096396.D
Acq: 1 Jul 2017 23:20

Tgt Ion:228 Resp: 90649
Ion Ratio Lower Upper
228 100
226 29.3 24.9 37.3
229 22.0 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

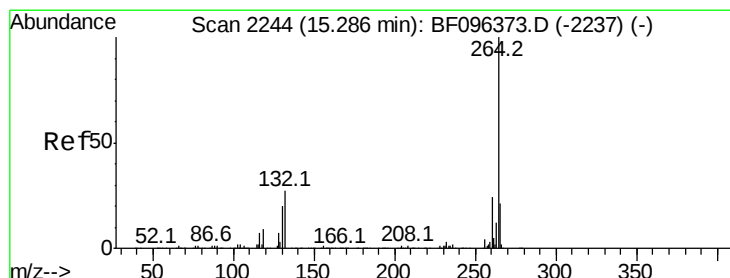
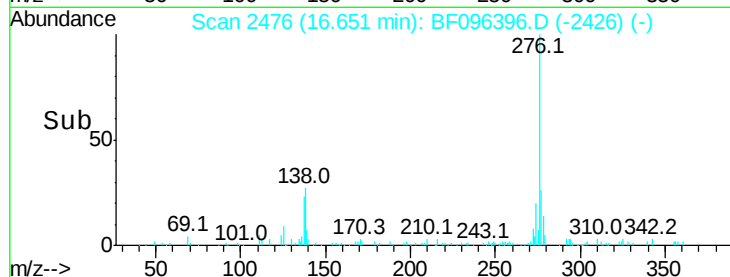
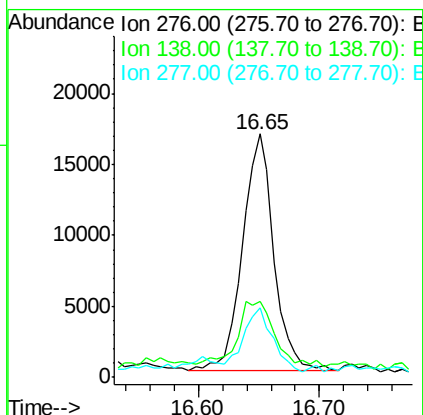
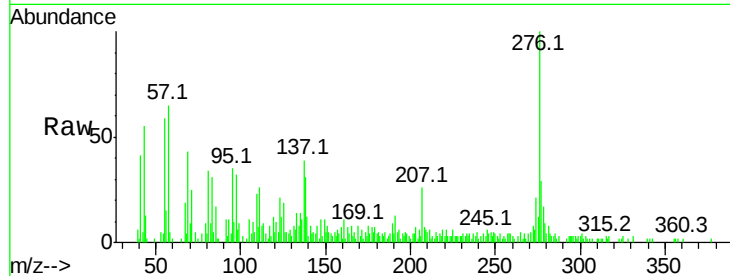




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.48 ng
 RT: 16.65 min Scan# 2476
 Delta R.T. -0.01 min
 Lab File: BF096396.D
 Acq: 1 Jul 2017 23:20

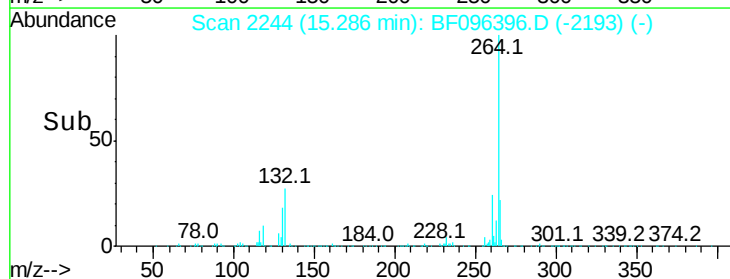
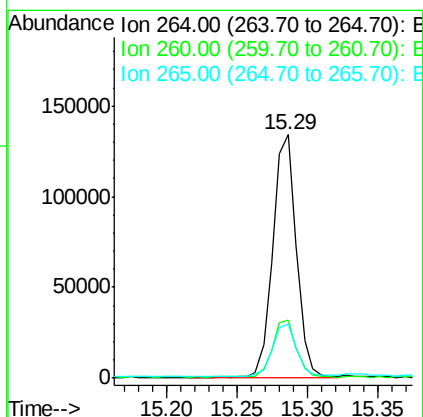
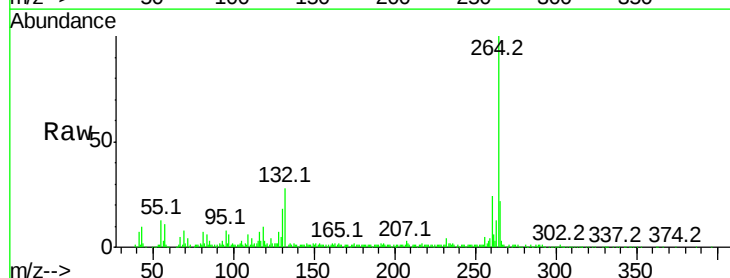
Instrument :
 BNA_F
 ClientSampleId :

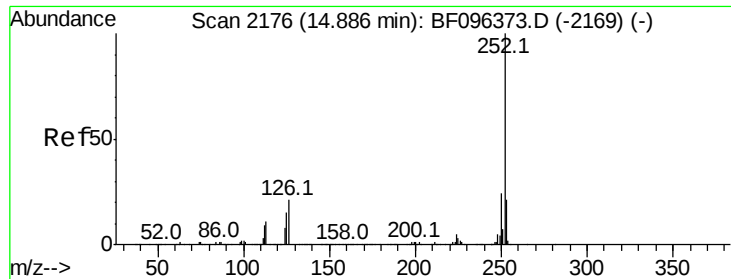
Tot Ion	Ratio	Lower	Upper
276	100		
138	33.7	27.8	41.6
277	25.4	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: BF096396.D
 Acq: 1 Jul 2017 23:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 12.71 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BF096396.D

Acq: 1 Jul 2017 23:20

Instrument :

BNA_F

ClientSampleId :

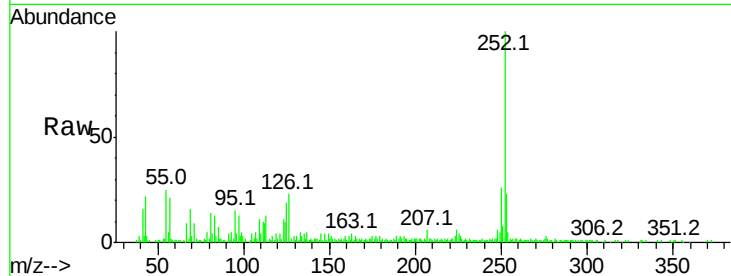
Tot Ion:252 Resp: 125065

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

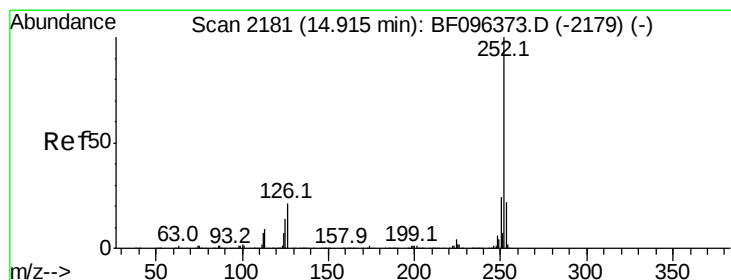
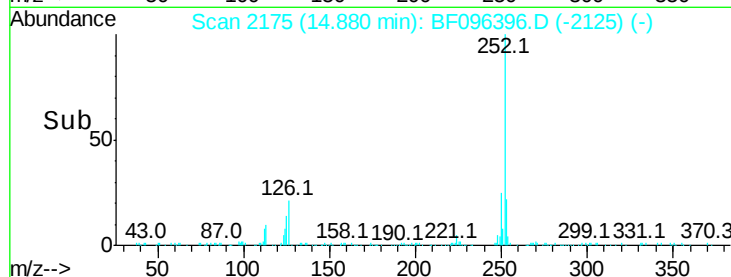
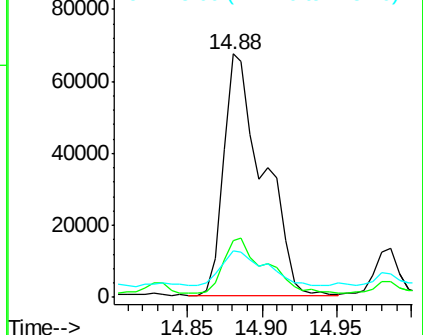
125 19.1 9.8 14.8#



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: 14.21 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.04 min

Lab File: BF096396.D

Acq: 1 Jul 2017 23:20

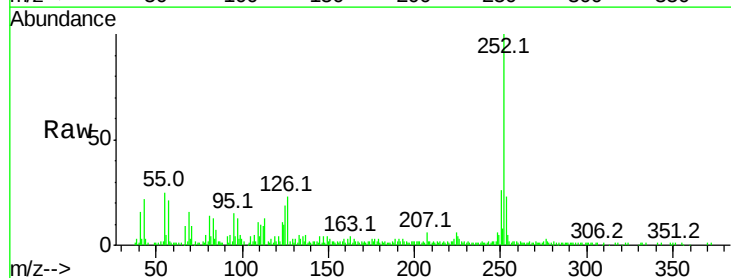
Tgt Ion:252 Resp: 125065

Ion Ratio Lower Upper

252 100

253 23.5 18.4 27.6

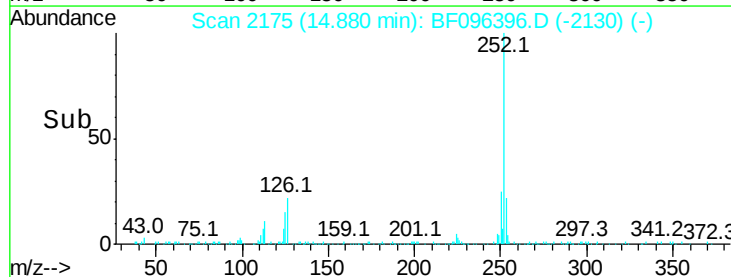
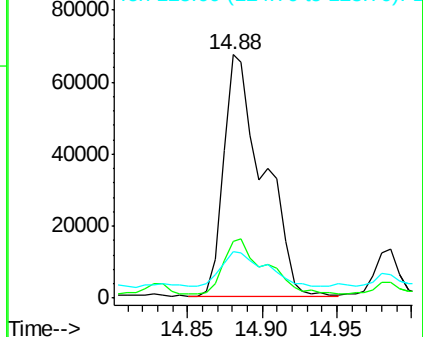
125 19.1 13.1 19.7

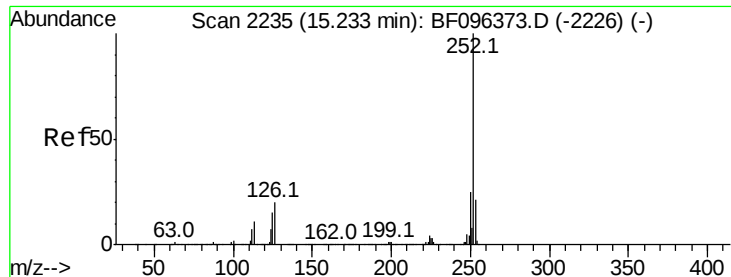


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.15 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BF096396.D

Acq: 1 Jul 2017 23:20

Instrument :

BNA_F

ClientSampleId :

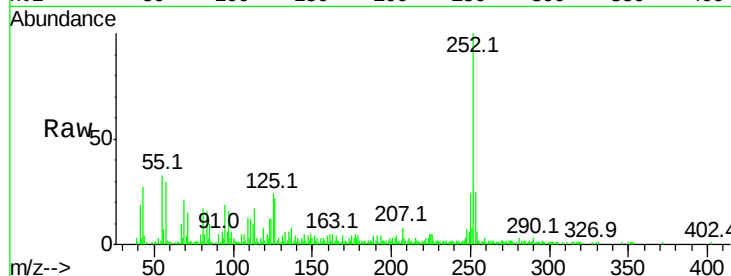
Tot Ion:252 Resp: 62845

Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

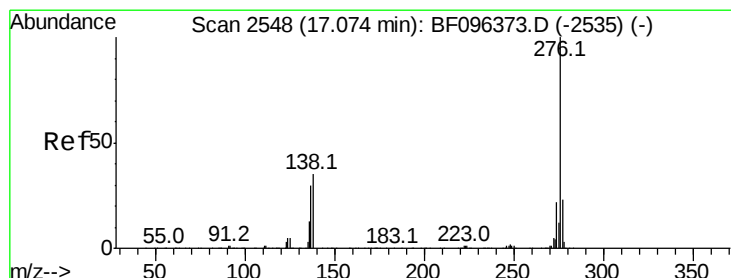
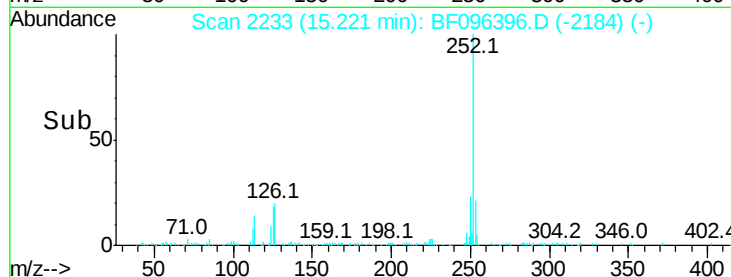
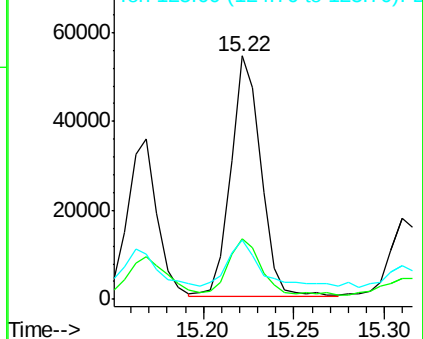
125 24.3 11.0 16.4#



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



#91

Benzo(g,h,i)perylene

Concen: 4.03 ng

RT: 17.06 min Scan# 2545

Delta R.T. -0.02 min

Lab File: BF096396.D

Acq: 1 Jul 2017 23:20

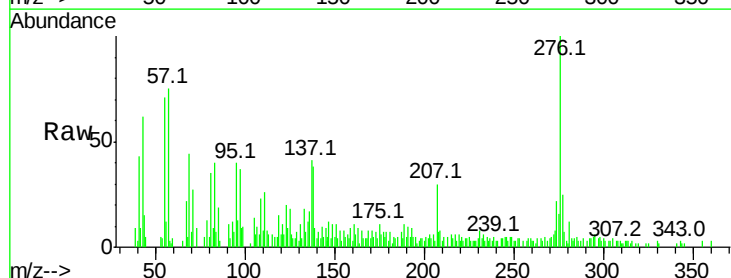
Tgt Ion:276 Resp: 28867

Ion Ratio Lower Upper

276 100

277 25.3 18.6 28.0

138 37.6 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

