

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096518.D
 Acq On : 6 Jul 2017 7:56
 Operator : SJ/MA
 Sample : I3975-10 5X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 08:49:11 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

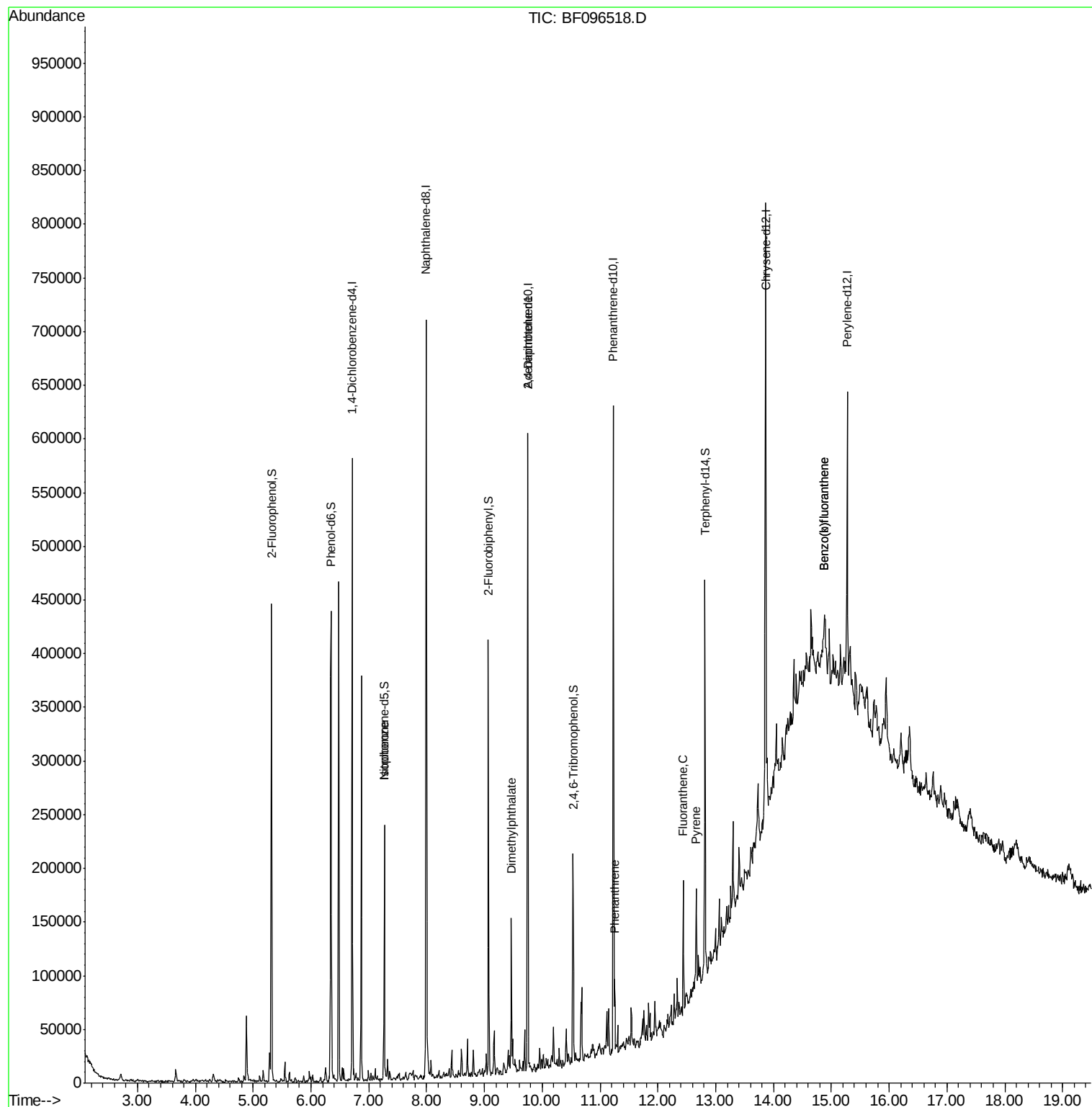
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	86174	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	307970	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	114986	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	204019	20.00	ng	0.00
75) Chrysene-d12	13.86	240	178883	20.00	ng	0.00
86) Perylene-d12	15.27	264	119000	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	119580	20.48	ng	0.00
7) Phenol-d6	6.35	99	138232	19.26	ng	-0.01
23) Nitrobenzene-d5	7.27	82	65697	12.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	19507	21.72	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	126448	18.80	ng	-0.01
78) Terphenyl-d14	12.81	244	106476	12.72	ng	0.00
Target Compounds						
25) Isophorone	7.27	82	65696	6.61	ng	# 67
49) Dimethylphthalate	9.46	163	52525	6.12	ng	# 98
56) 2,4-Dinitrotoluene	9.75	165	15303	6.37	ng	# 33
70) Phenanthrene	11.25	178	22537	2.04	ng	97
74) Fluoranthene	12.44	202	41686	3.86	ng	98
77) Pyrene	12.66	202	37507	2.61	ng	99
87) Benzo(b)fluoranthene	14.87	252	23118	3.10	ng	# 74
88) Benzo(k)fluoranthene	14.87	252	23118	3.47	ng	# 77

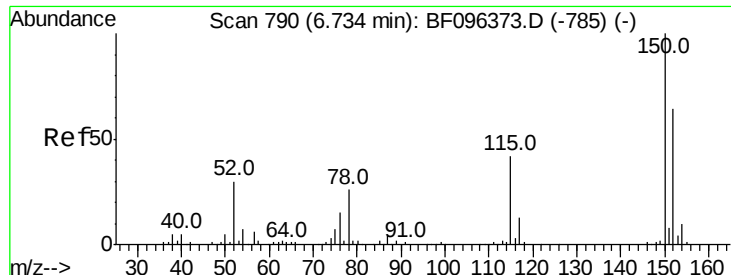
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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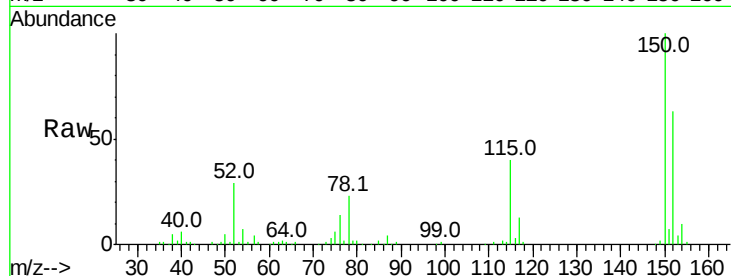


#1

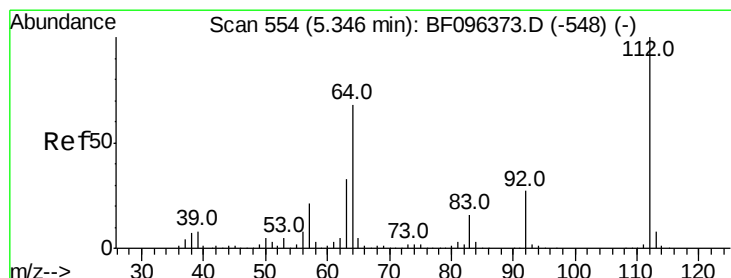
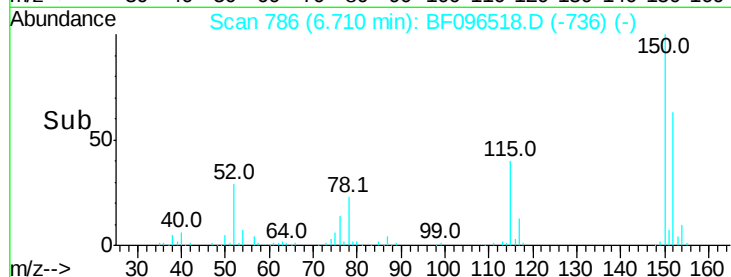
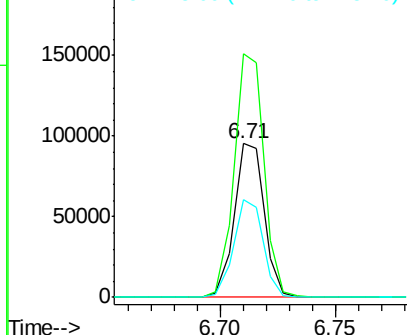
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF096518.D
 Acq: 6 Jul 2017 7:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 86174
 Ion Ratio Lower Upper
 152 100
 150 158.4 126.2 189.2
 115 63.2 52.2 78.2



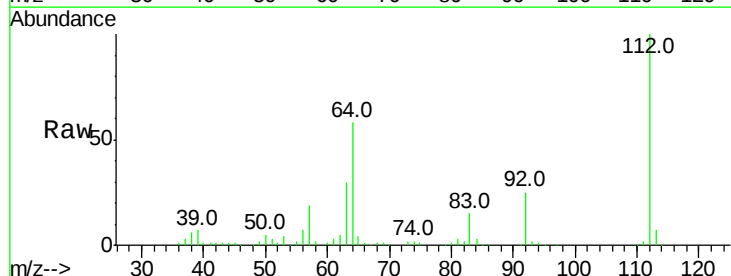
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



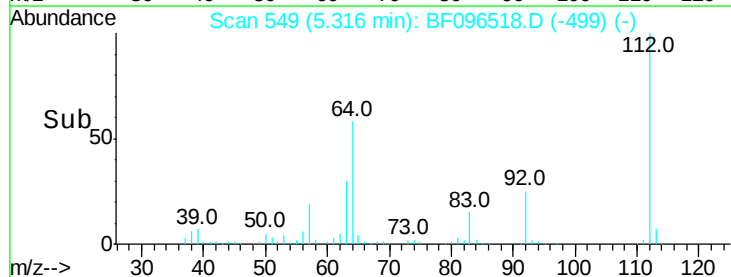
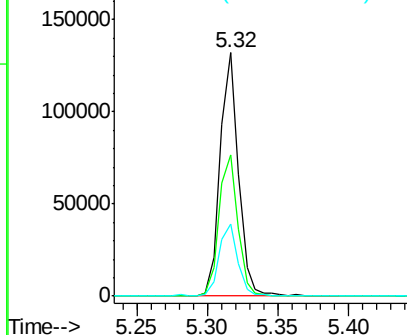
#5

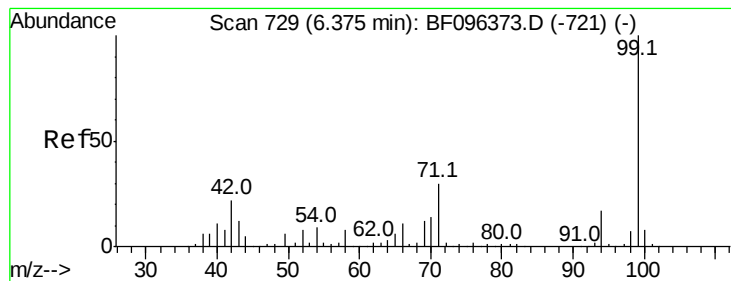
2-Fluorophenol
 Concen: 20.48 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.01 min
 Lab File: BF096518.D
 Acq: 6 Jul 2017 7:56

Tgt Ion:112 Resp: 119580
 Ion Ratio Lower Upper
 112 100
 64 58.0 46.0 69.0
 63 29.6 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: 19.26 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096518.D

Acq: 6 Jul 2017 7:56

Instrument :

BNA_F

ClientSampleId :

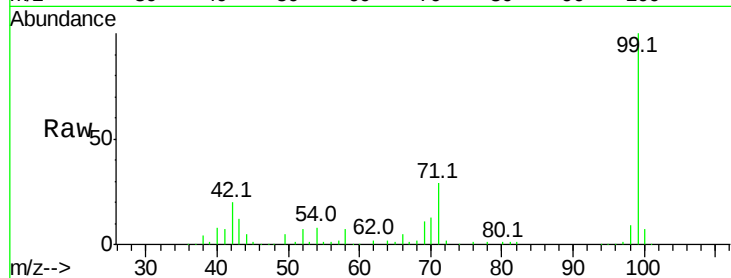
Tot Ion: 99 Resp: 138232

Ion Ratio Lower Upper

99 100

42 20.2 13.5 20.3

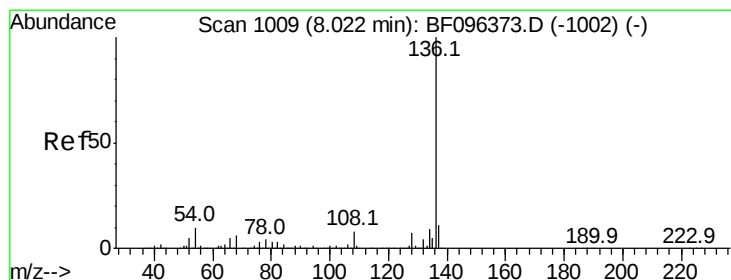
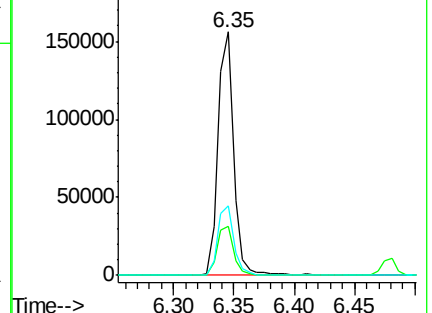
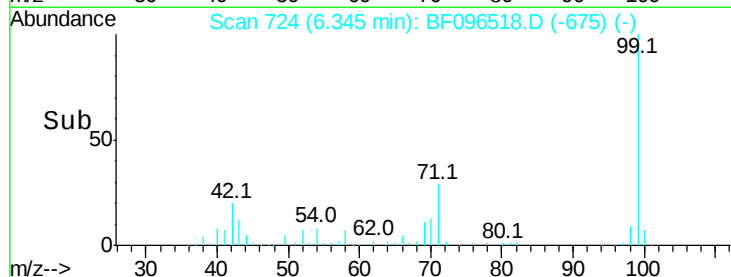
71 28.5 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF096518.D

Acq: 6 Jul 2017 7:56

Tgt Ion: 136 Resp: 307970

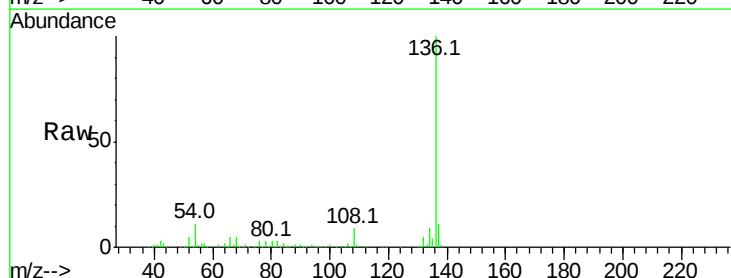
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 10.6 4.9 7.3#

68 4.9 4.1 6.1

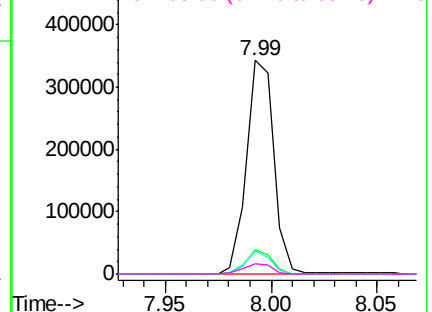
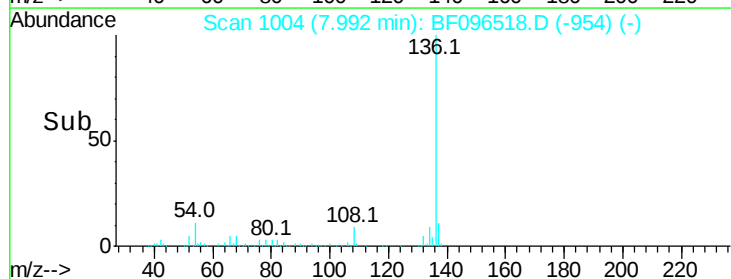


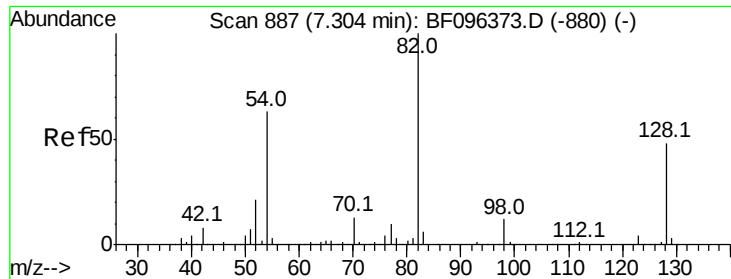
Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.82 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF096518.D

Acq: 6 Jul 2017 7:56

Instrument :

BNA_F

ClientSampleId :

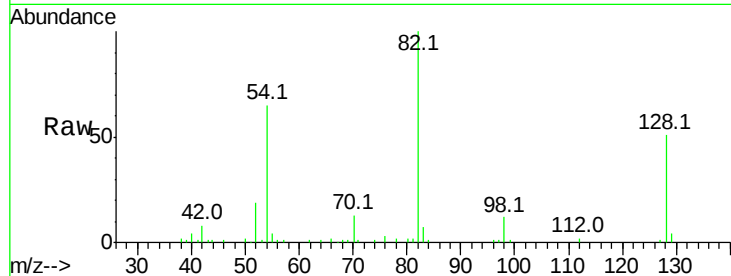
Tot Ion: 82 Resp: 65697

Ion Ratio Lower Upper

82 100

128 50.5 34.0 51.0

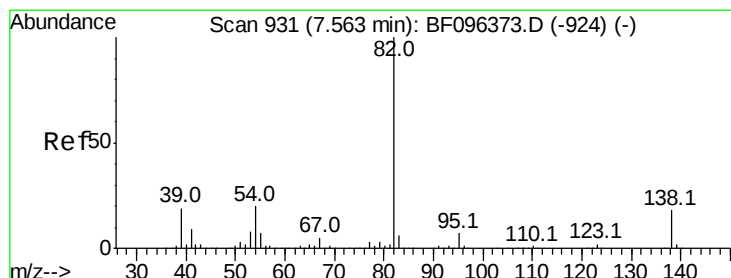
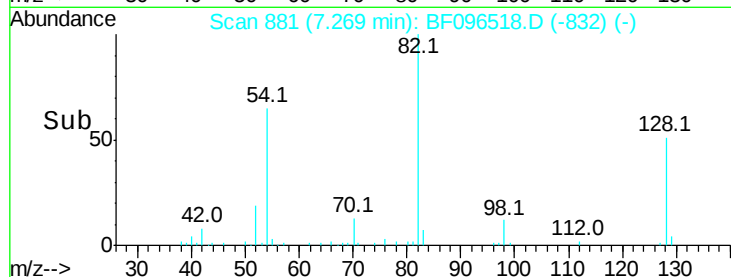
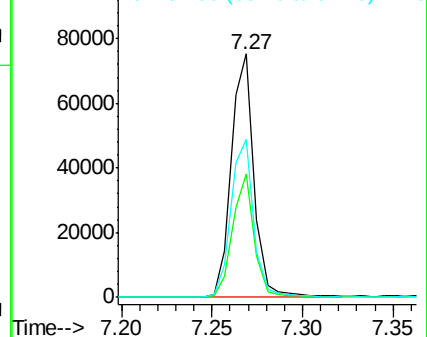
54 64.8 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 6.61 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF096518.D

Acq: 6 Jul 2017 7:56

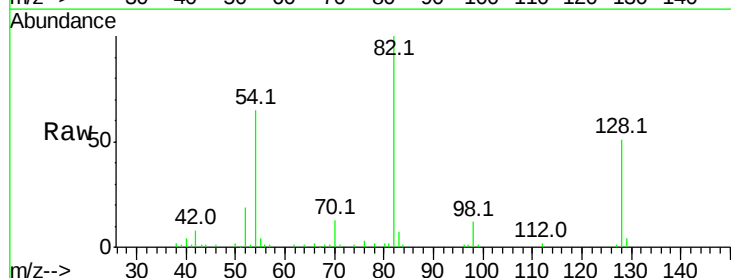
Tgt Ion: 82 Resp: 65696

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

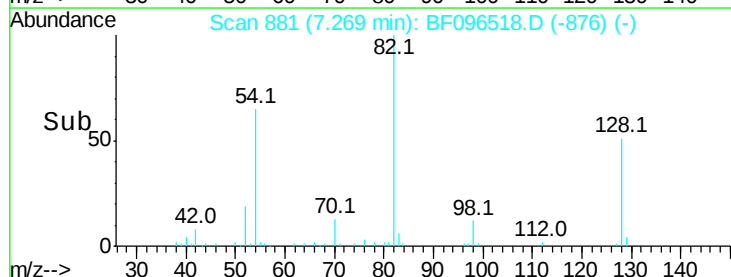
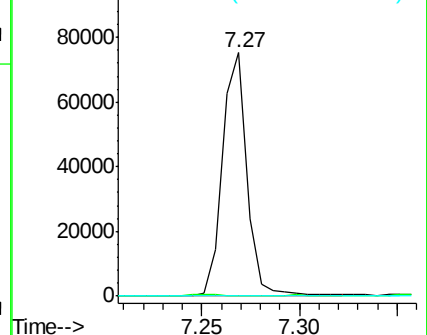
138 0.0 13.1 19.7#

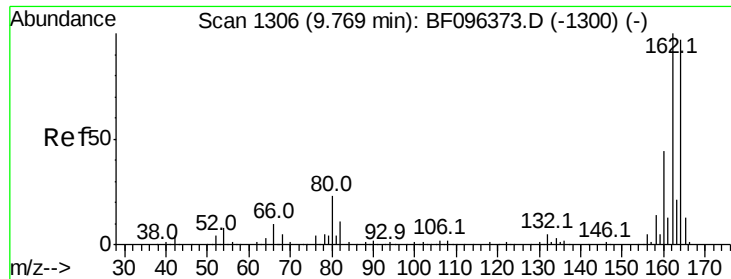


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

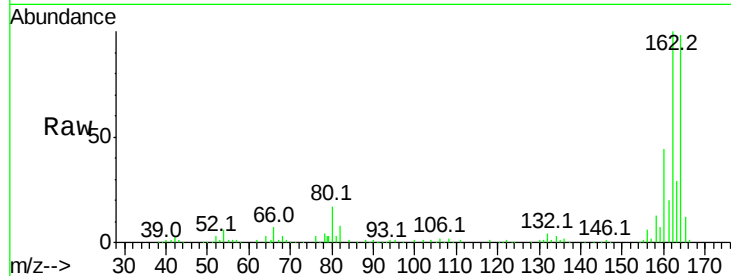




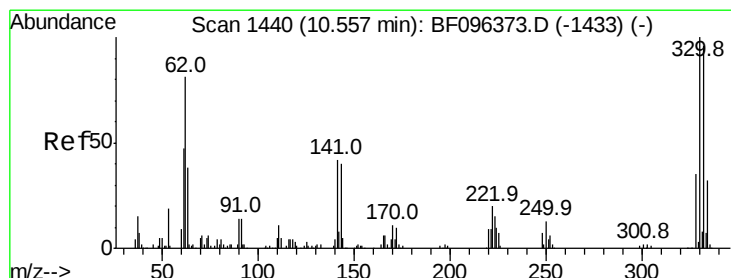
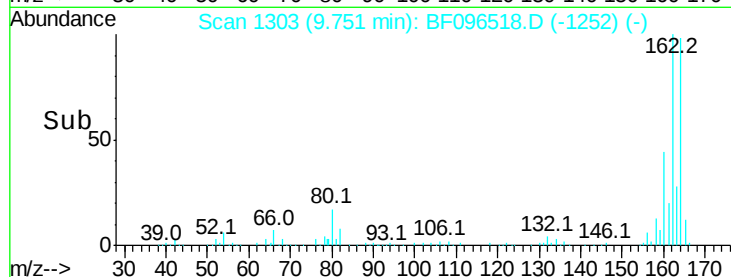
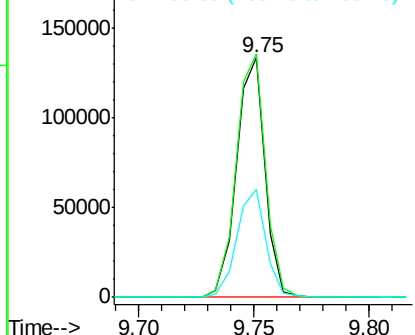
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF096518.D
Acq: 6 Jul 2017 7:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 114986
Ion Ratio Lower Upper
164 100
162 101.6 82.6 123.8
160 44.8 36.2 54.2

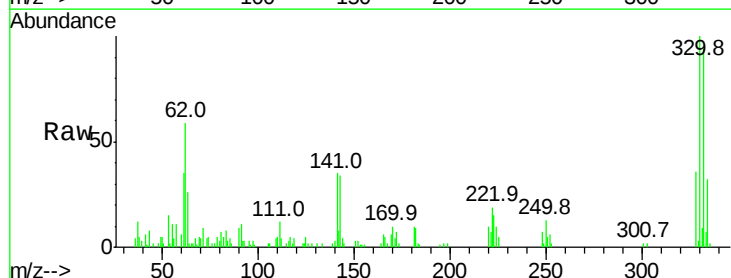


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

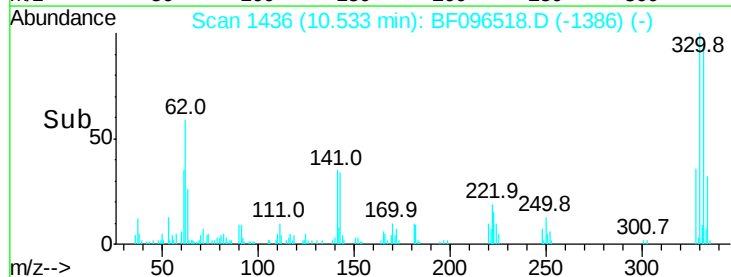
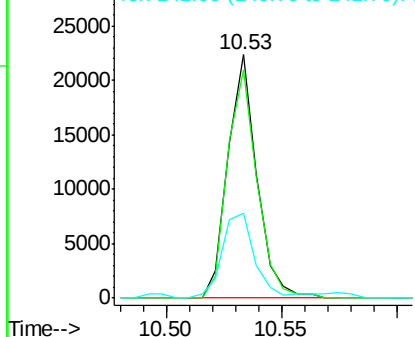


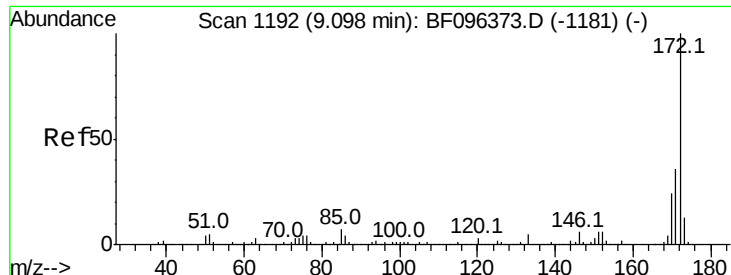
#41
2,4,6-Tribromophenol
Concen: 21.72 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF096518.D
Acq: 6 Jul 2017 7:56

Tgt Ion:330 Resp: 19507
Ion Ratio Lower Upper
330 100
332 96.7 76.6 115.0
141 40.5 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

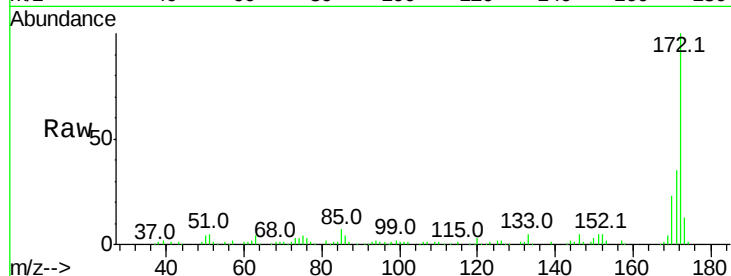




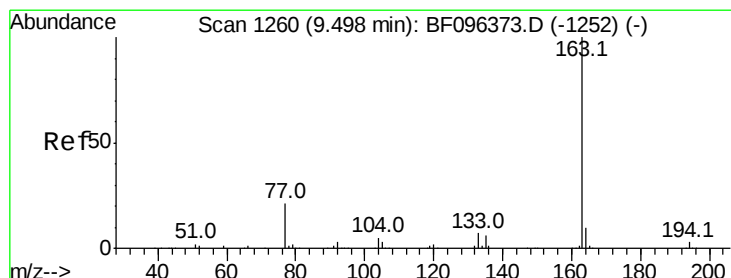
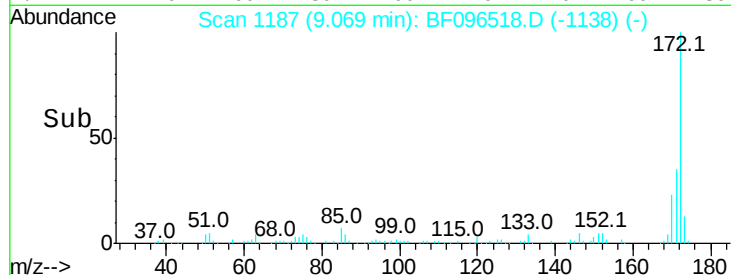
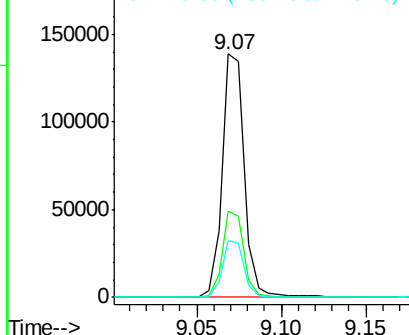
#44
2-Fluorobiphenyl
Concen: 18.80 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF096518.D
Acq: 6 Jul 2017 7:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 126448
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.3 19.8 29.8

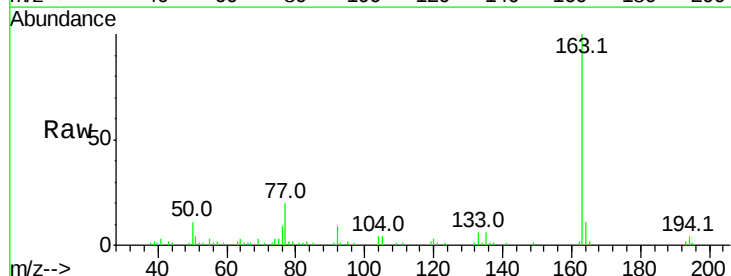


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

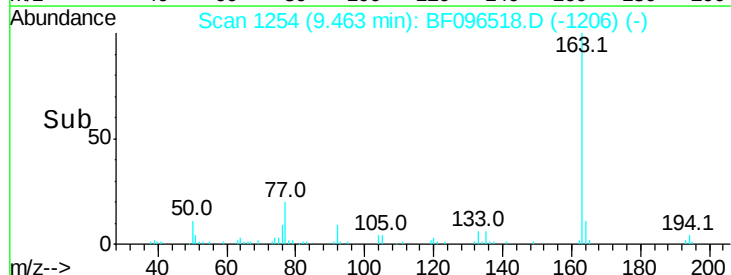
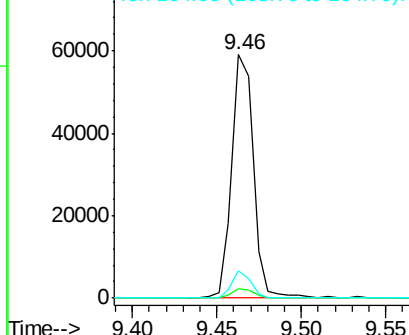


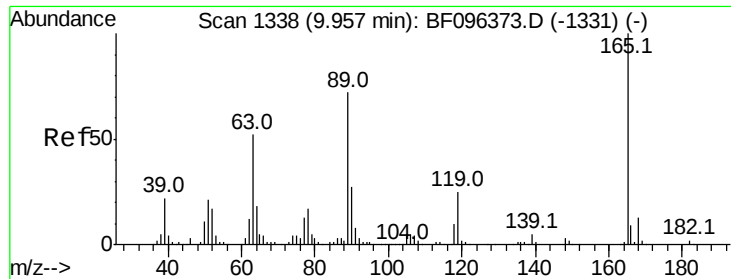
#49
Dimethylphthalate
Concen: 6.12 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF096518.D
Acq: 6 Jul 2017 7:56

Tgt Ion:163 Resp: 52525
Ion Ratio Lower Upper
163 100
194 4.0 2.6 4.0#
164 11.3 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

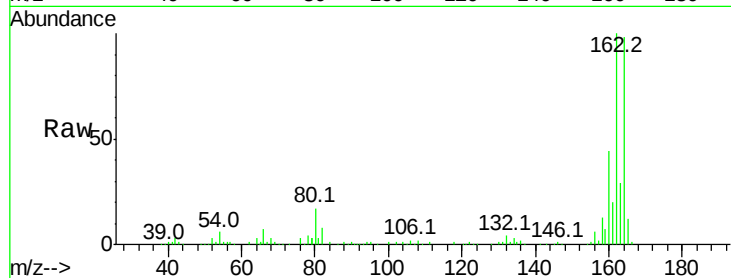




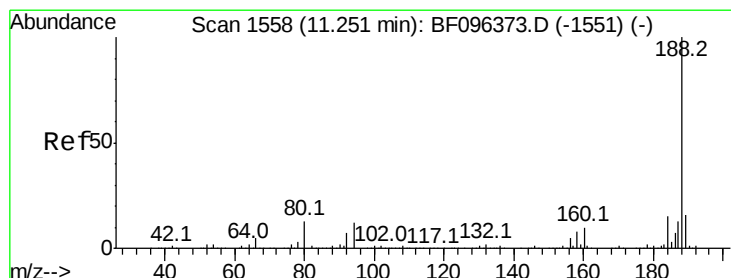
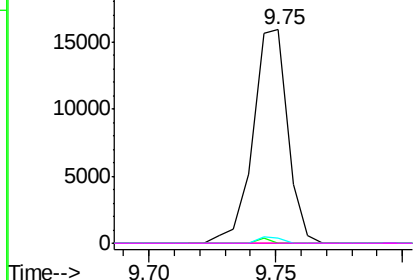
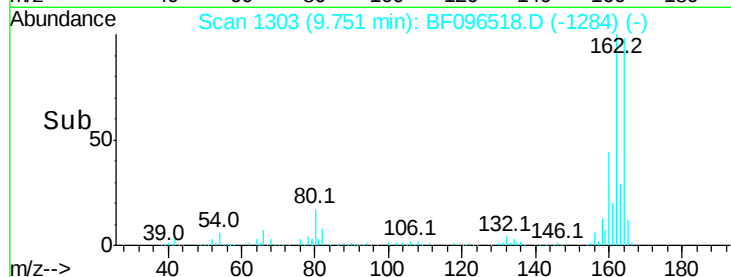
#56
 2,4-Dinitrotoluene
 Concen: 6.37 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.19 min
 Lab File: BF096518.D
 Acq: 6 Jul 2017 7:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 15303
 Ion Ratio Lower Upper
 165 100
 63 0.0 25.4 38.0#
 89 2.3 46.4 69.6#
 182 0.0 1.8 2.6#

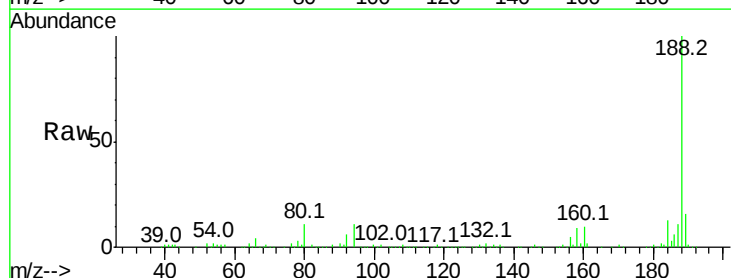


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

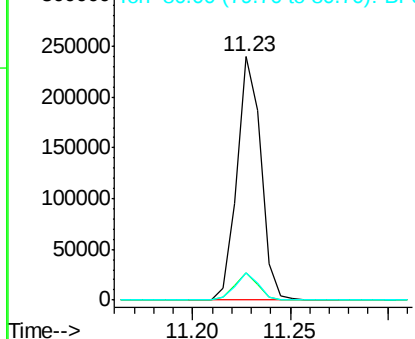
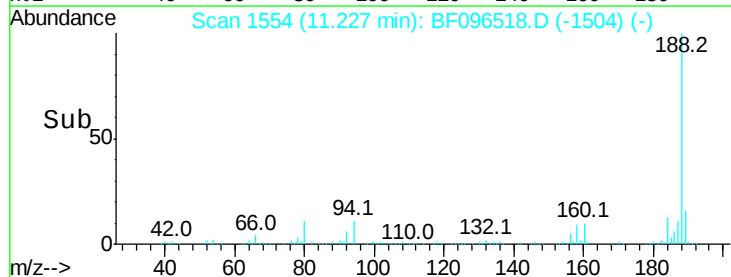


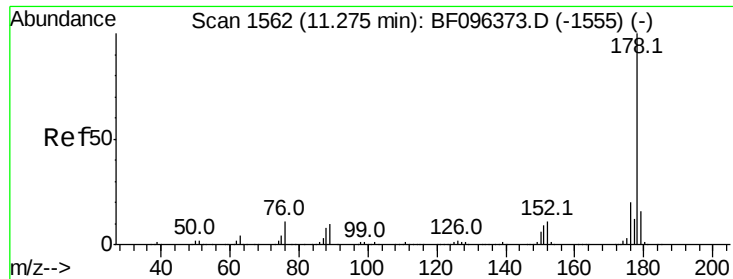
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF096518.D
 Acq: 6 Jul 2017 7:56

Tgt Ion:188 Resp: 204019
 Ion Ratio Lower Upper
 188 100
 94 11.3 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





#70

Phenanthrene

Concen: 2.04 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF096518.D

Acq: 6 Jul 2017 7:56

Instrument :

BNA_F

ClientSampleId :

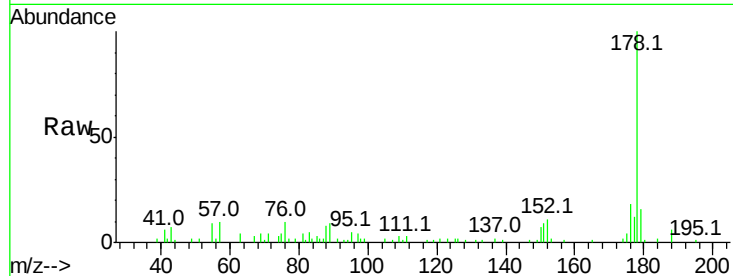
Tot Ion:178 Resp: 22537

Ion Ratio Lower Upper

178 100

176 18.2 16.2 24.4

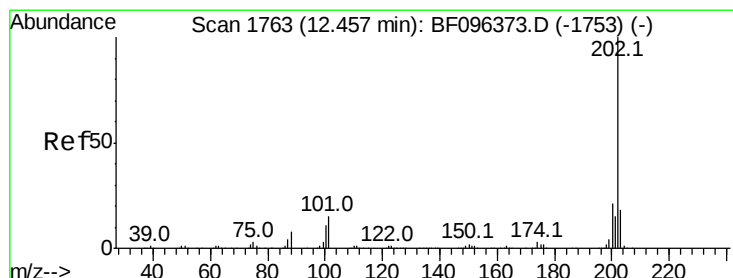
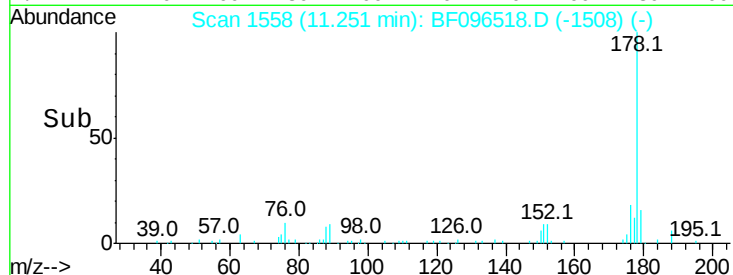
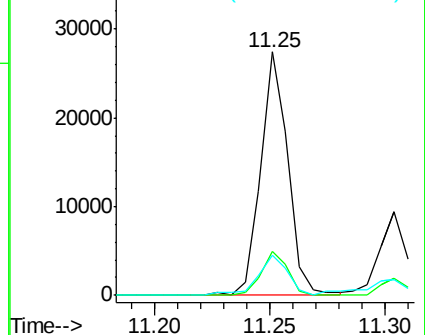
179 16.3 12.6 19.0



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: 3.86 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BF096518.D

Acq: 6 Jul 2017 7:56

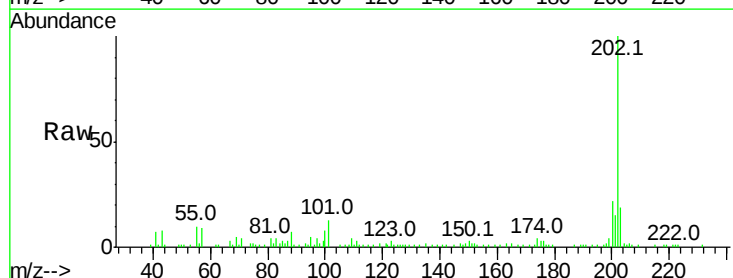
Tgt Ion:202 Resp: 41686

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

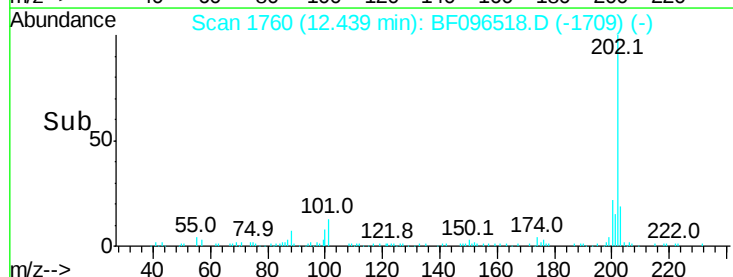
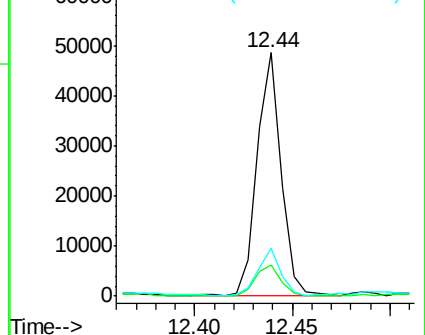
203 19.4 0.0 38.1

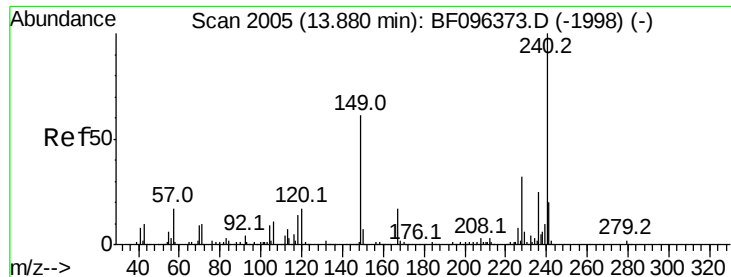


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096518.D

Acq: 6 Jul 2017 7:56

Instrument :

BNA_F

ClientSampled :

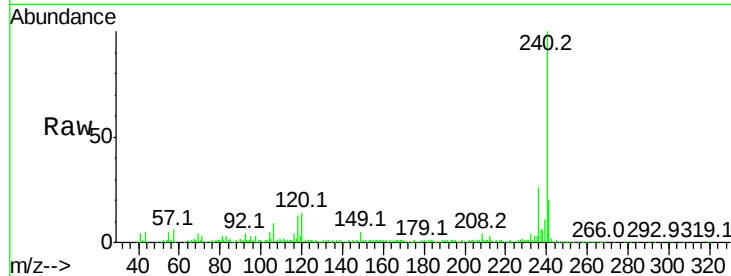
Tot Ion:240 Resp: 178883

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

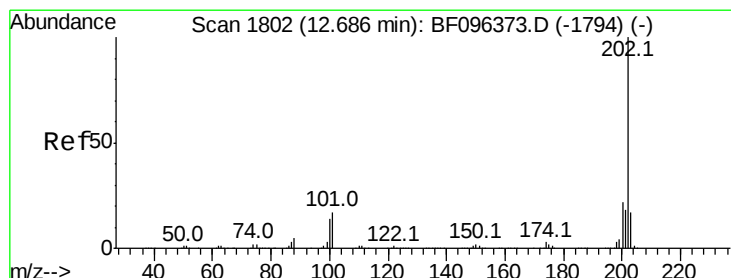
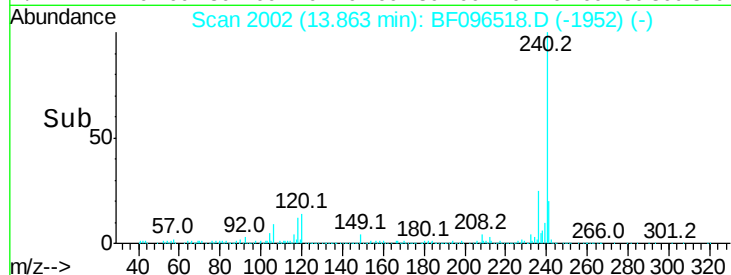
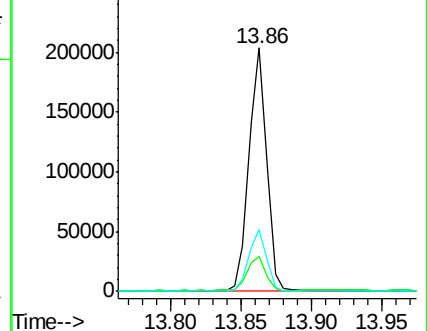
236 25.6 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.61 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF096518.D

Acq: 6 Jul 2017 7:56

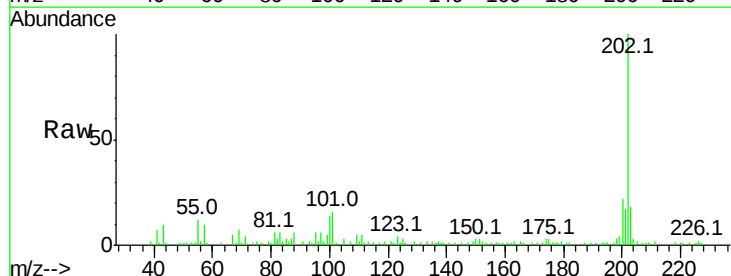
Tgt Ion:202 Resp: 37507

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

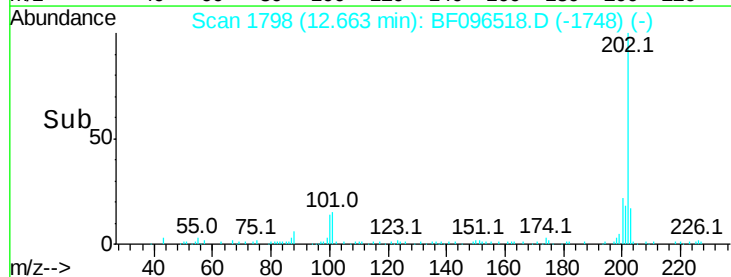
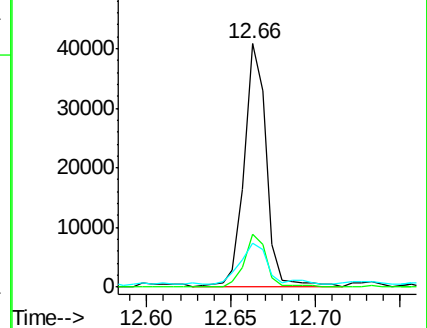
203 17.9 14.4 21.6

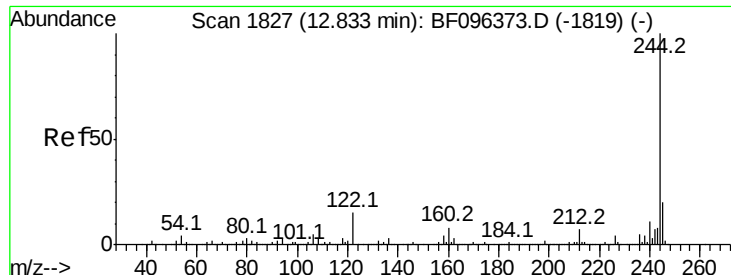


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.72 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF096518.D

Acq: 6 Jul 2017 7:56

Instrument :

BNA_F

ClientSampleId :

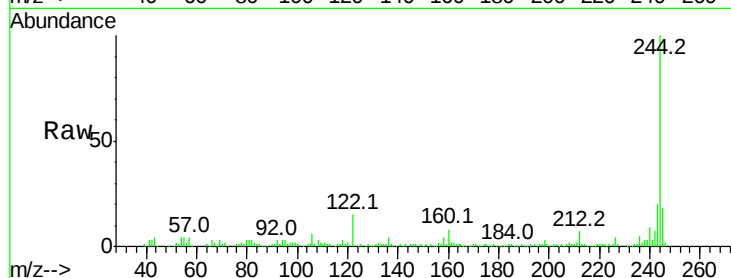
Tot Ion:244 Resp: 106476

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

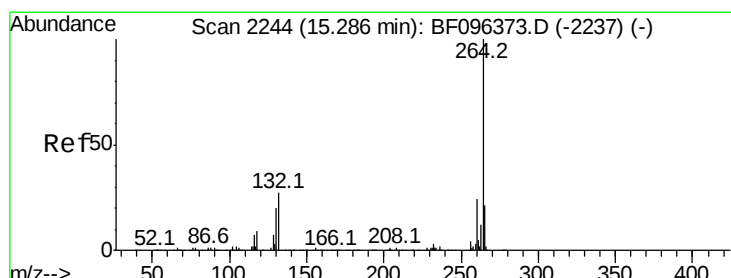
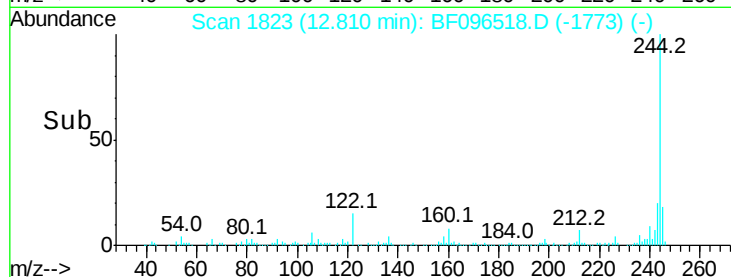
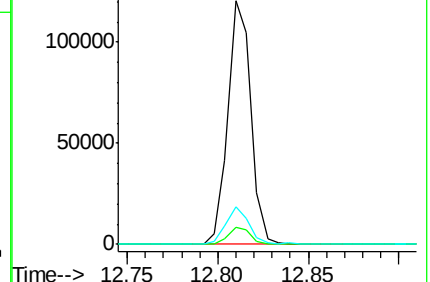
122 15.3 10.3 15.5



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: BF096518.D

Acq: 6 Jul 2017 7:56

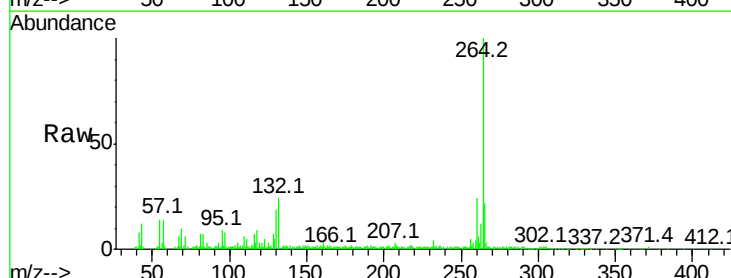
Tgt Ion:264 Resp: 119000

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

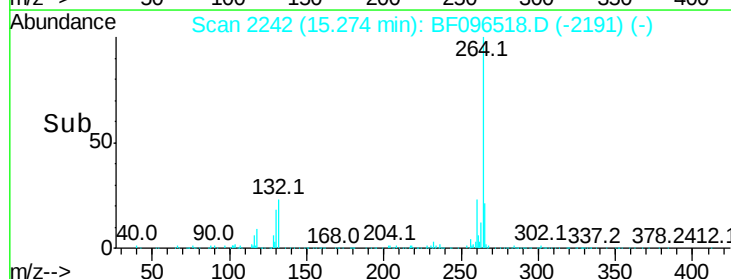
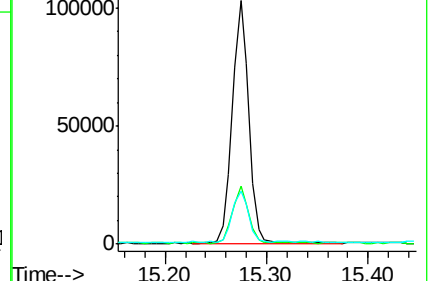
265 21.8 17.2 25.8

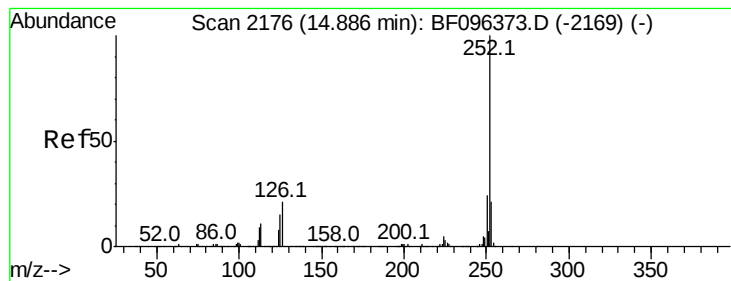


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.10 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BF096518.D

Acq: 6 Jul 2017 7:56

Instrument :

BNA_F

ClientSampleId :

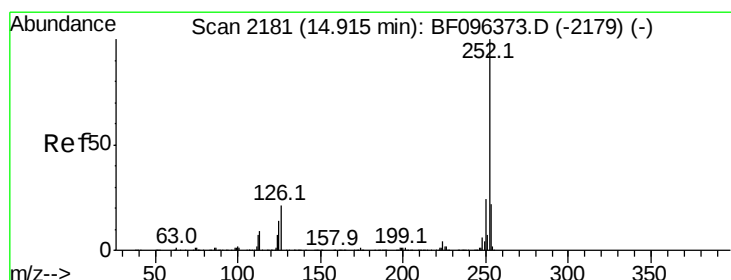
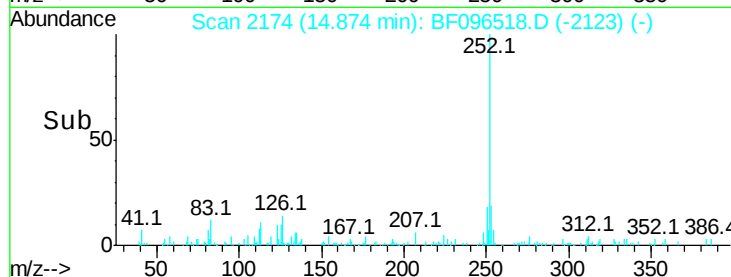
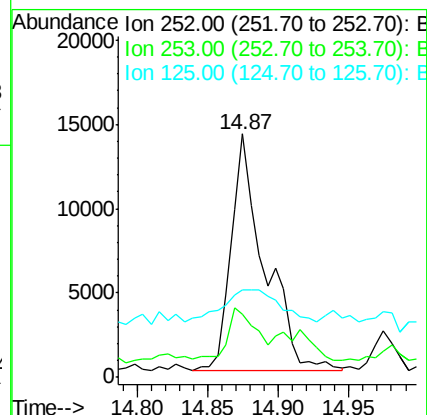
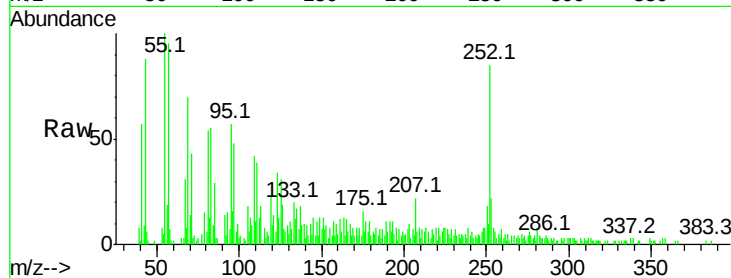
Tot Ion:252 Resp: 23118

Ion Ratio Lower Upper

252 100

253 25.9 18.1 27.1

125 36.0 9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 3.47 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.03 min

Lab File: BF096518.D

Acq: 6 Jul 2017 7:56

Tgt Ion:252 Resp: 23118

Ion Ratio Lower Upper

252 100

253 25.9 18.4 27.6

125 36.0 13.1 19.7#

