

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
 Data File : BF096464.D
 Acq On : 4 Jul 2017 3:14
 Operator : SJ/MA
 Sample : I4029-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 03:49:10 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

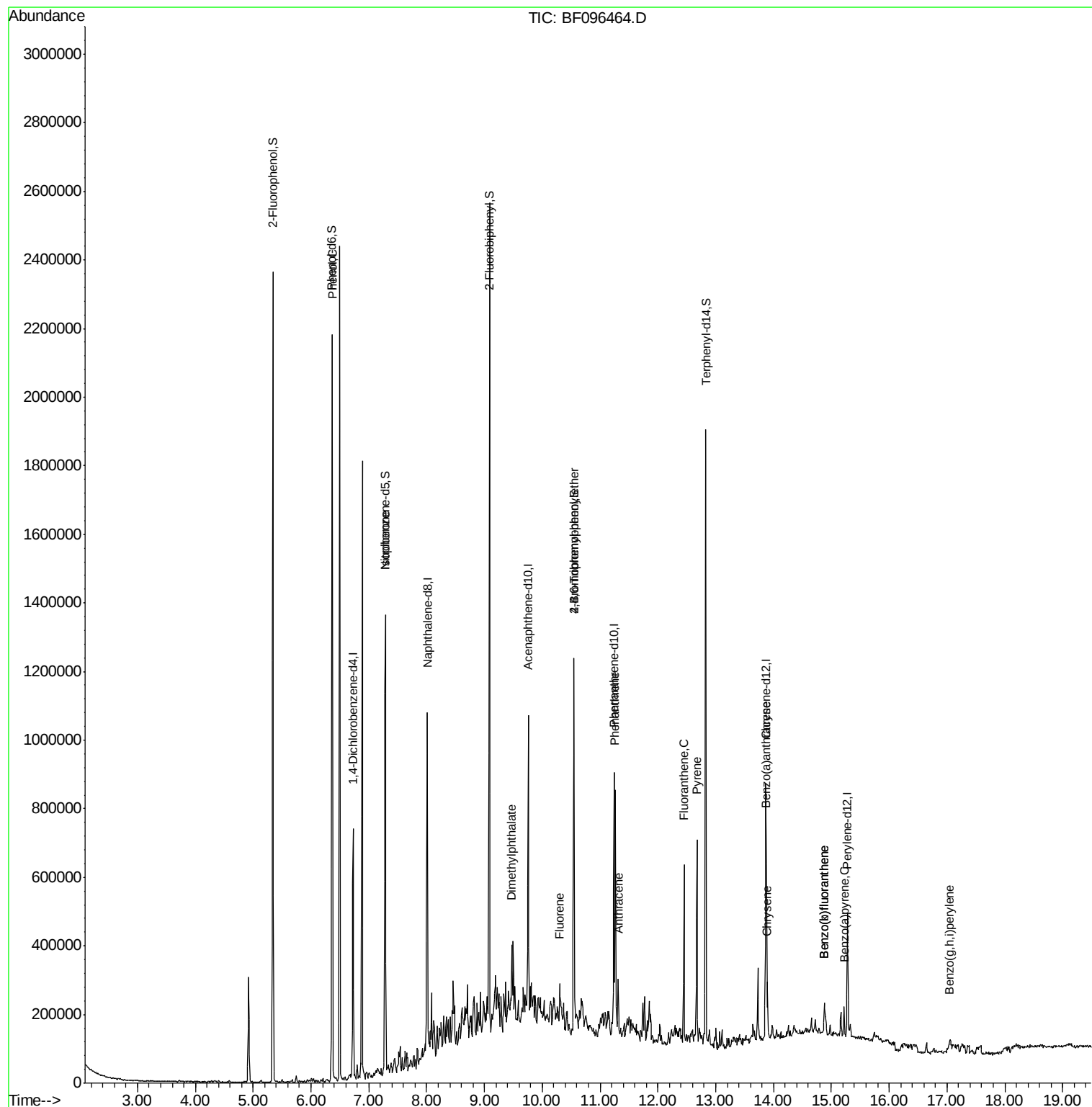
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	100310	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	425564	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	155187	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	252697	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	222565	20.00	ng	-0.01
86) Perylene-d12	15.28	264	143278	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	681568	100.29	ng	0.00
7) Phenol-d6	6.36	99	788126	94.33	ng	-0.01
23) Nitrobenzene-d5	7.29	82	395741	55.88	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	111894	92.31	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	744704	82.05	ng	-0.01
78) Terphenyl-d14	12.83	244	561324	53.89	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.37	94	36432	3.83	ng	97
25) Isophorone	7.29	82	389263	28.35	ng	# 67
49) Dimethylphthalate	9.47	163	67528	5.83	ng	98
57) Fluorene	10.30	166	19303	2.14	ng	# 98
66) 4-Bromophenyl-phenylether	10.55	248	8024	3.26	ng	# 1
70) Phenanthrene	11.26	178	227494	16.65	ng	99
71) Anthracene	11.32	178	55732	4.00	ng	97
74) Fluoranthene	12.45	202	203688	15.21	ng	97
77) Pyrene	12.67	202	221795	12.42	ng	99
80) Benzo(a)anthracene	13.86	228	70022	5.43	ng	97
82) Chrysene	13.89	228	60524	4.48	ng	97
87) Benzo(b)fluoranthene	14.88	252	59094	6.58	ng	# 92
88) Benzo(k)fluoranthene	14.88	252	59094	7.36	ng	96
89) Benzo(a)pyrene	15.22	252	35720	4.46	ng	# 89
91) Benzo(a,h,i)perylene	17.05	276	16480	2.52	ng	# 88

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

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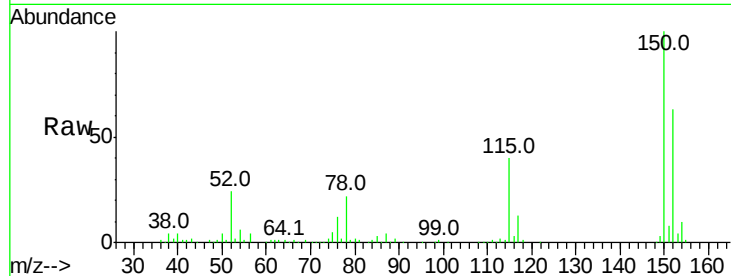


#1

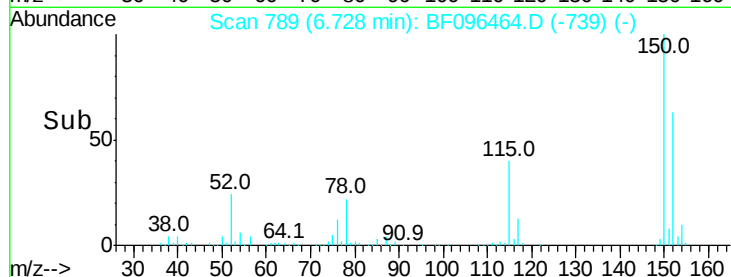
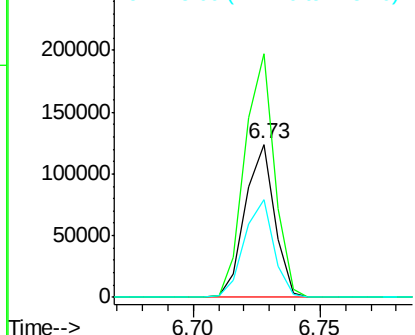
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF096464.D
Acq: 4 Jul 2017 3:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 100310
Ion Ratio Lower Upper
152 100
150 159.4 126.2 189.2
115 63.7 52.2 78.2



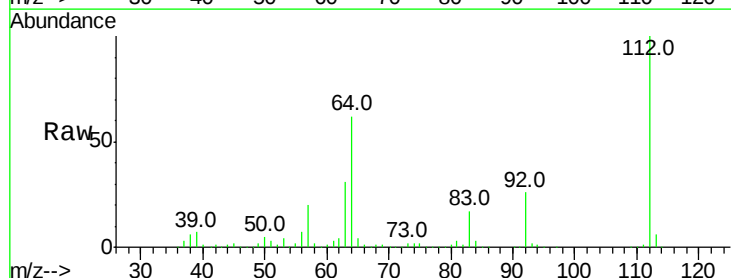
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



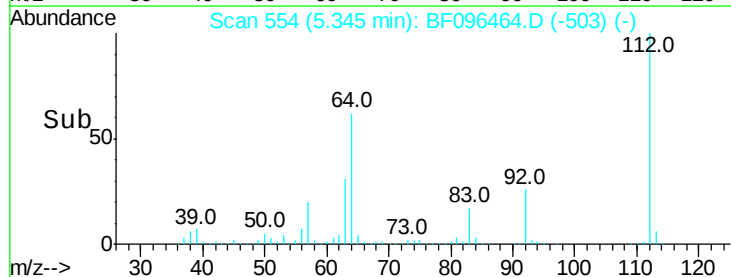
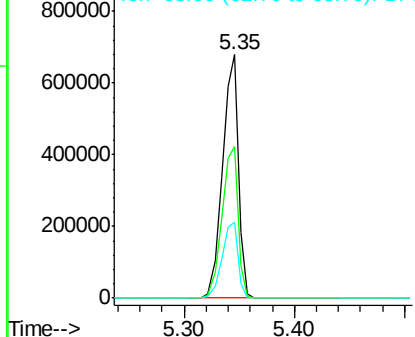
#5

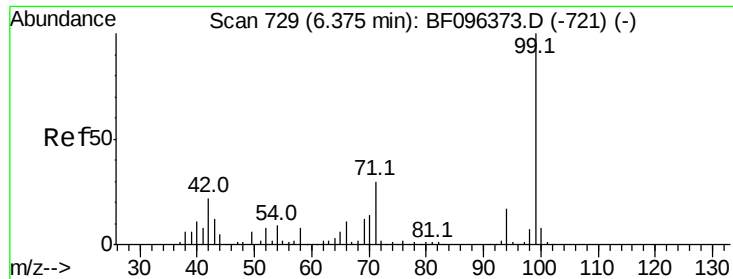
2-Fluorophenol
Concen: 100.29 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF096464.D
Acq: 4 Jul 2017 3:14

Tgt Ion:112 Resp: 681568
Ion Ratio Lower Upper
112 100
64 62.4 46.0 69.0
63 31.3 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: 94.33 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

Instrument :

BNA_F

ClientSampleId :

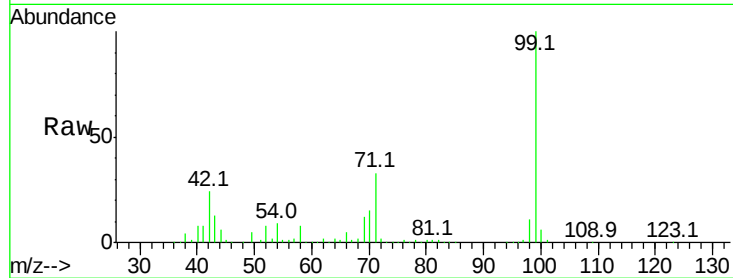
Tot Ion: 99 Resp: 788126

Ion Ratio Lower Upper

99 100

42 23.6 13.5 20.3#

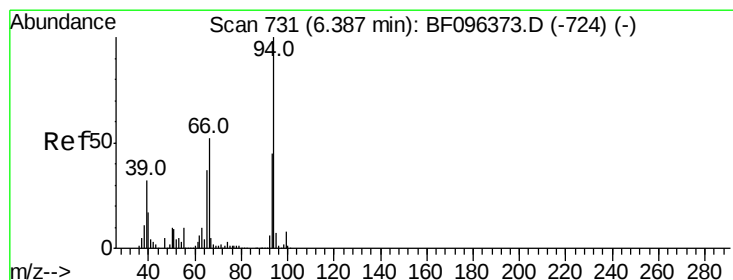
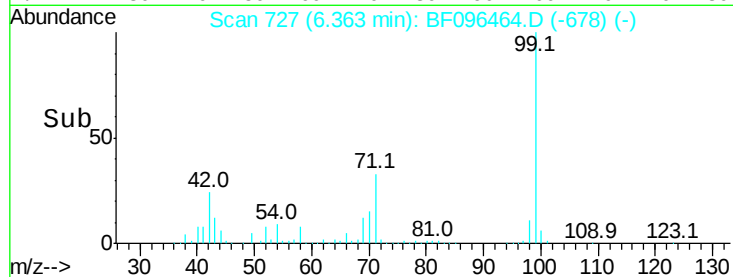
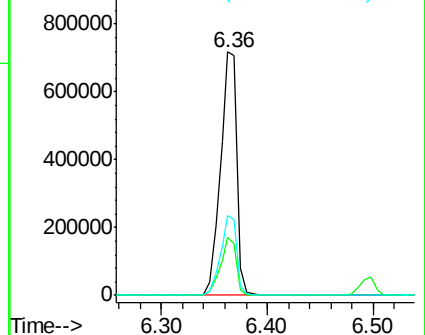
71 32.7 24.5 36.7



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: 3.83 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

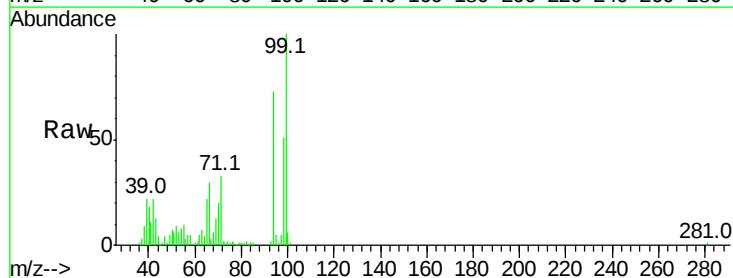
Tgt Ion: 94 Resp: 36432

Ion Ratio Lower Upper

94 100

65 30.3 9.9 49.9

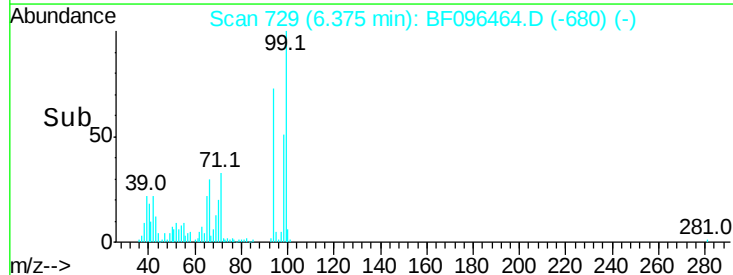
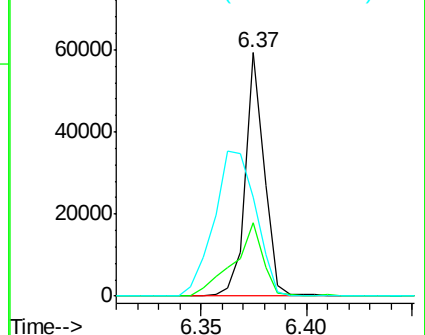
66 40.7 23.1 63.1



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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 425564

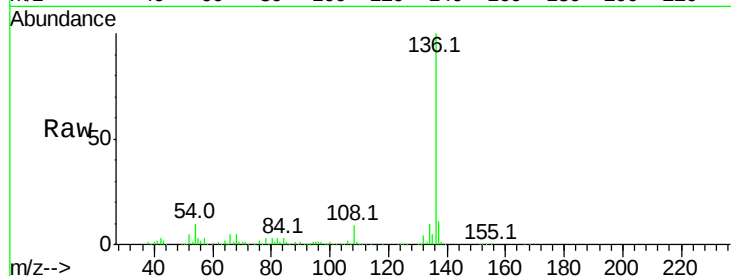
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 9.5 4.9 7.3#

68 5.4 4.1 6.1

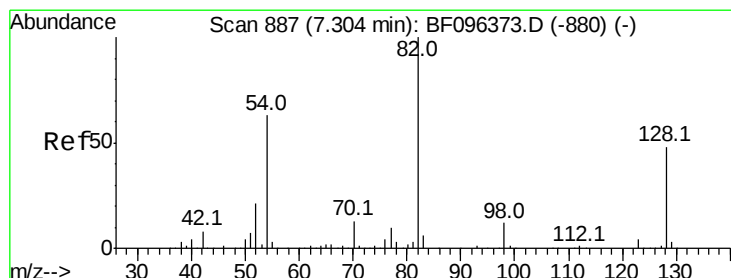
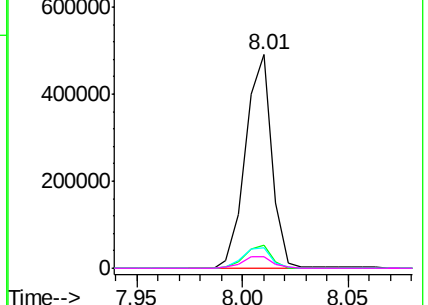
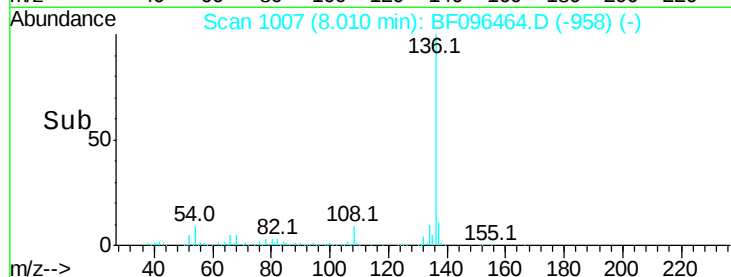


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.88 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

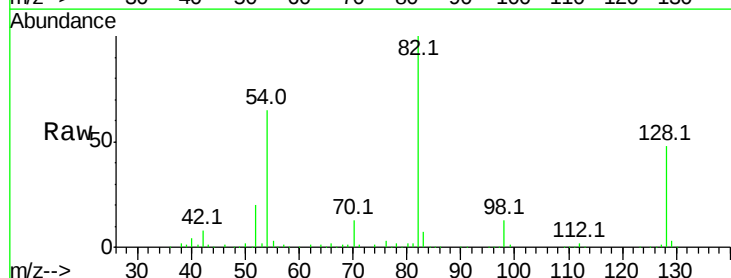
Tgt Ion: 82 Resp: 395741

Ion Ratio Lower Upper

82 100

128 48.0 34.0 51.0

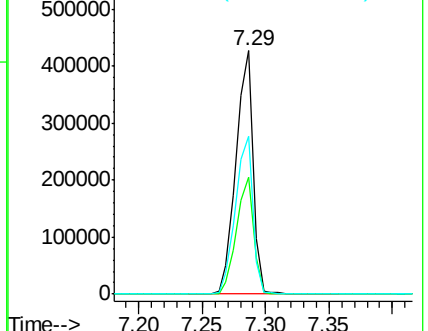
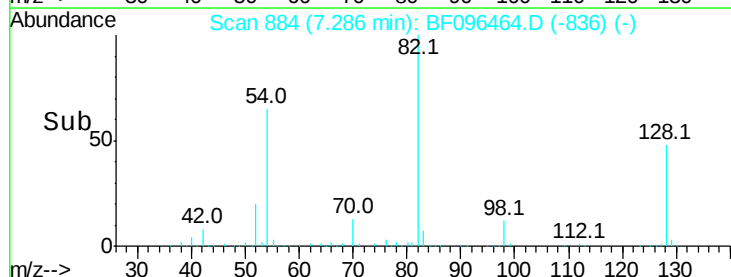
54 64.7 42.2 63.2#

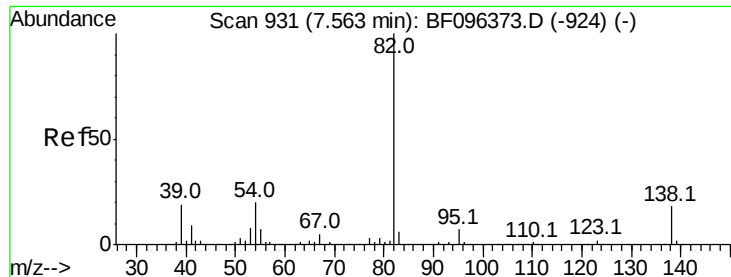


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 28.35 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

Instrument :

BNA_F

ClientSampleId :

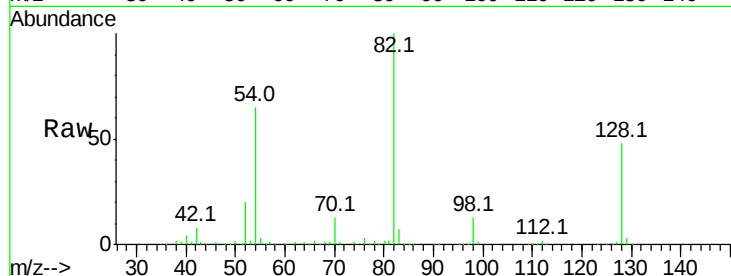
Tot Ion: 82 Resp: 389263

Ion Ratio Lower Upper

82 100

95 0.3 5.3 7.9#

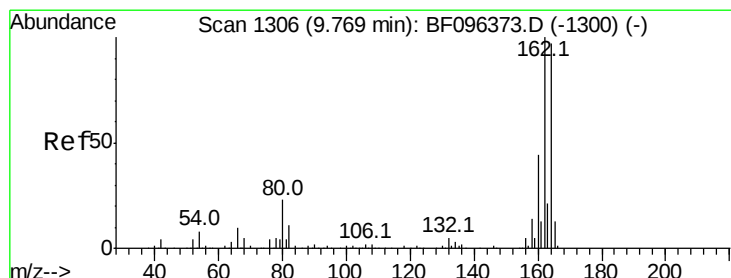
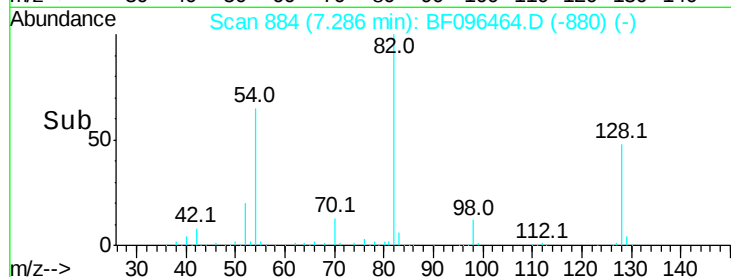
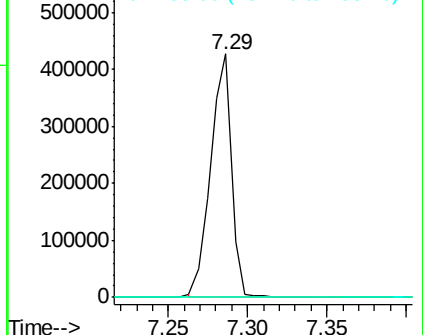
138 0.0 13.1 19.7#



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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

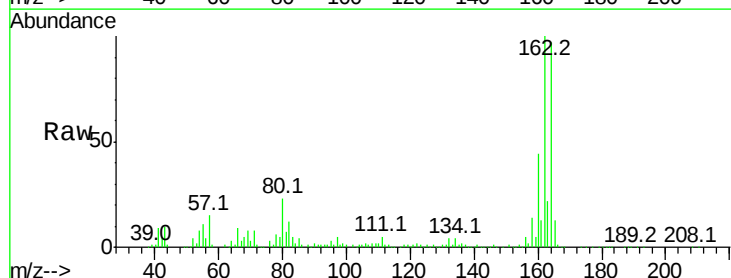
Tgt Ion:164 Resp: 155187

Ion Ratio Lower Upper

164 100

162 103.2 82.6 123.8

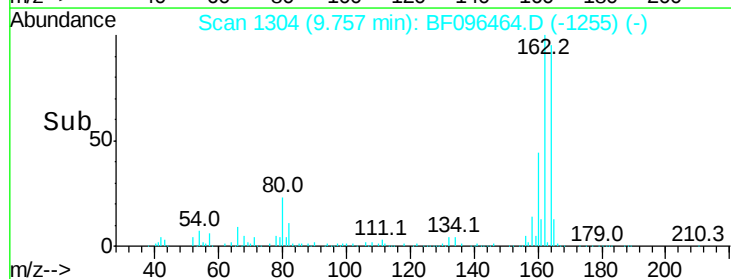
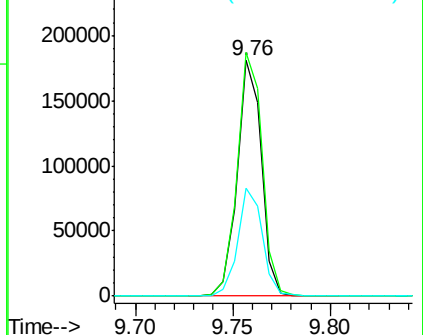
160 45.8 36.2 54.2



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

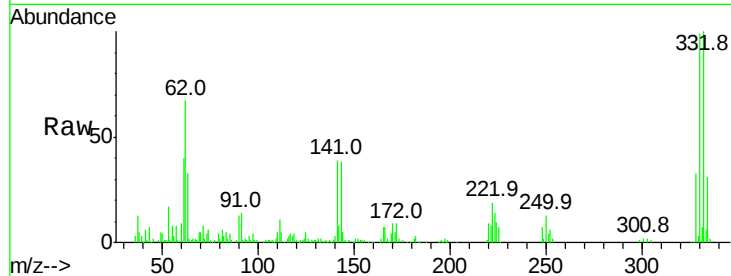




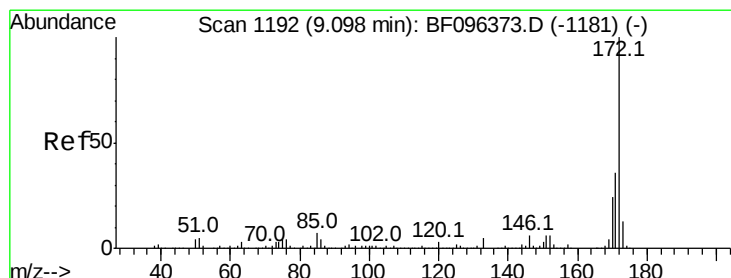
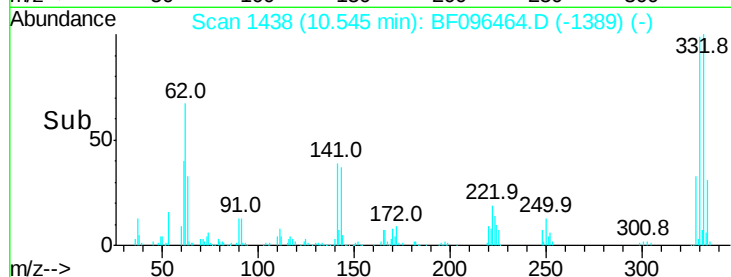
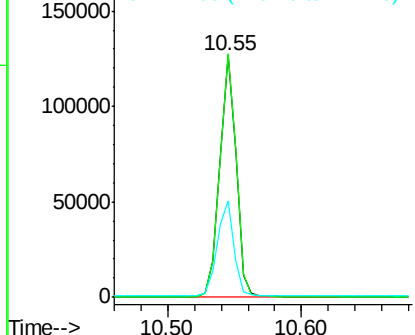
#41
 2,4,6-Tribromophenol
 Concen: 92.31 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF096464.D
 Acq: 4 Jul 2017 3:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 111894
 Ion Ratio Lower Upper
 330 100
 332 99.9 76.6 115.0
 141 39.3 31.4 47.2

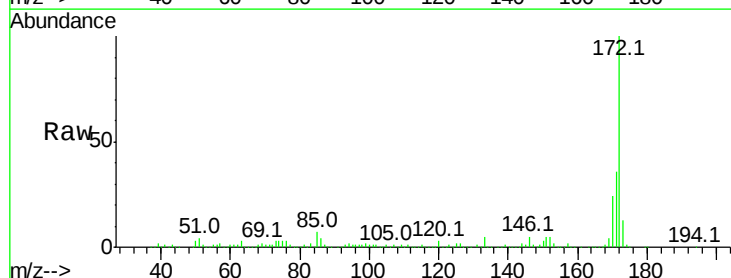


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

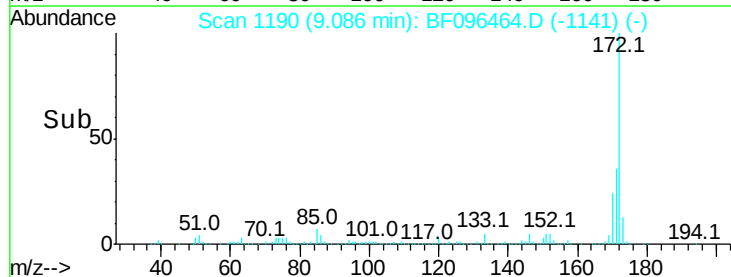
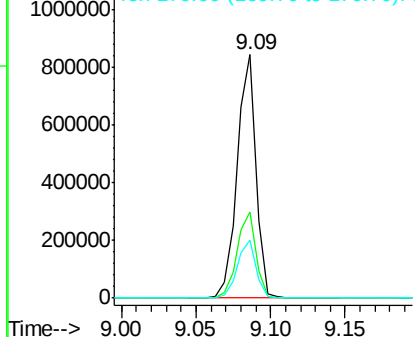


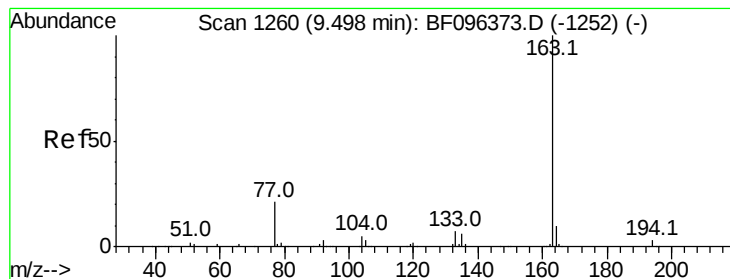
#44
 2-Fluorobiphenyl
 Concen: 82.05 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF096464.D
 Acq: 4 Jul 2017 3:14

Tgt Ion:172 Resp: 744704
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 24.0 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: 5.83 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

Instrument :

BNA_F

ClientSampleId :

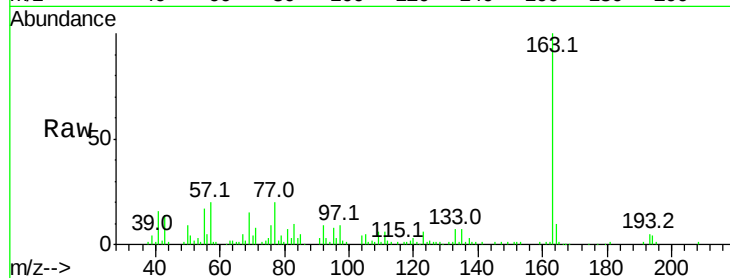
Tot Ion:163 Resp: 67528

Ion Ratio Lower Upper

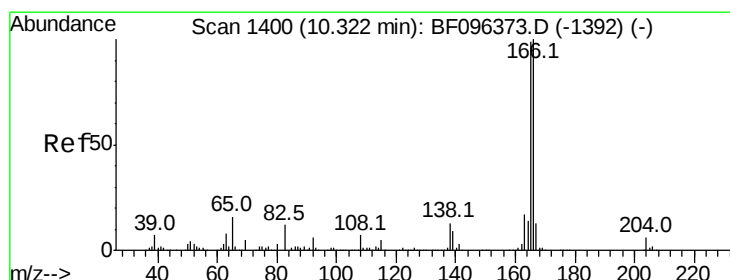
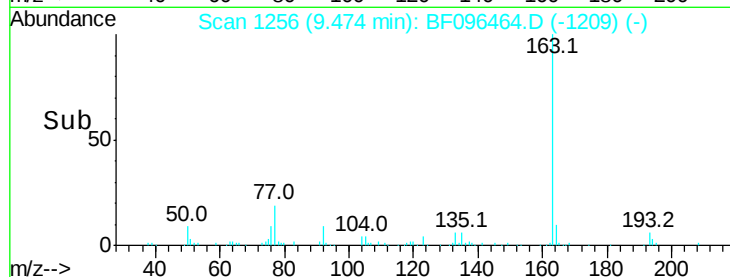
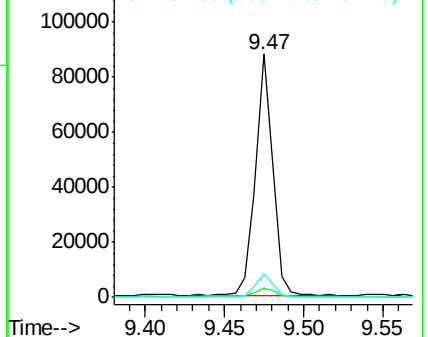
163 100

194 3.9 2.6 4.0

164 9.6 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



#57

Fluorene

Concen: 2.14 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.02 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

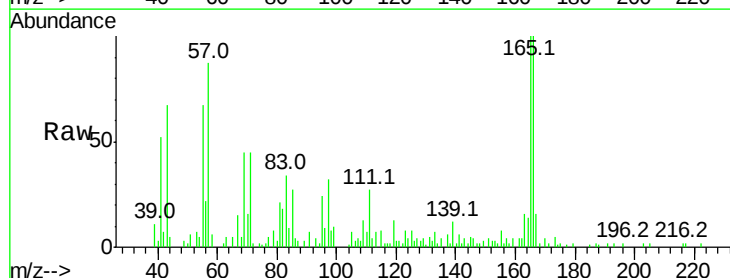
Tgt Ion:166 Resp: 19303

Ion Ratio Lower Upper

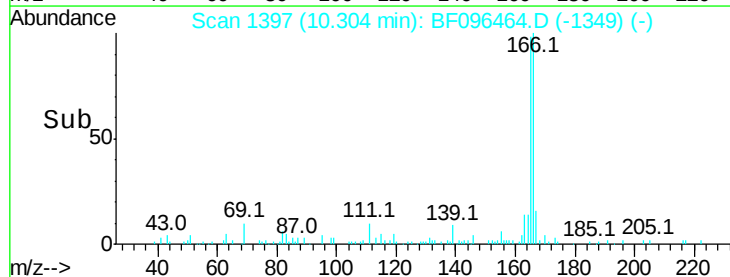
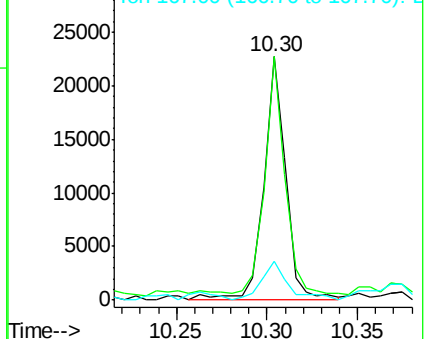
166 100

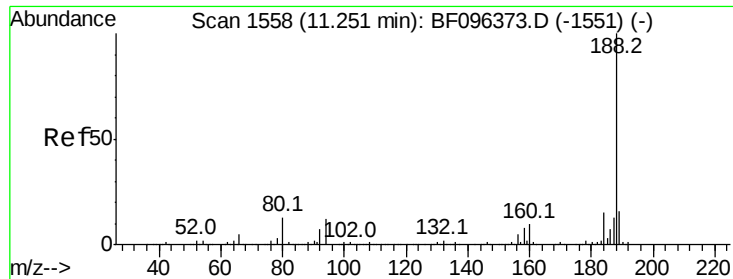
165 100.1 78.8 118.2

167 16.2 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

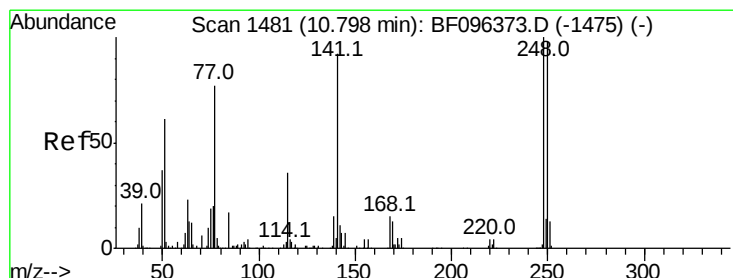
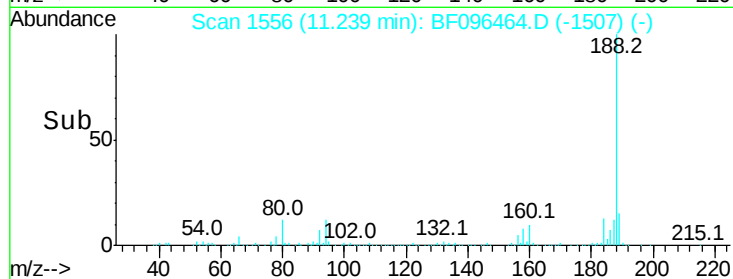
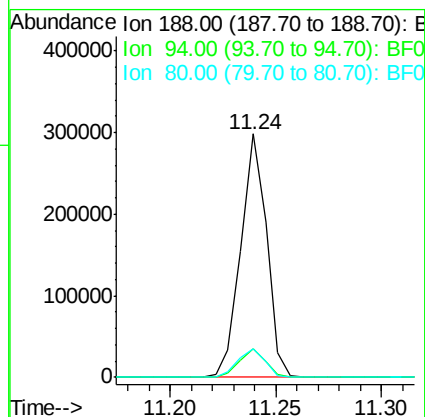
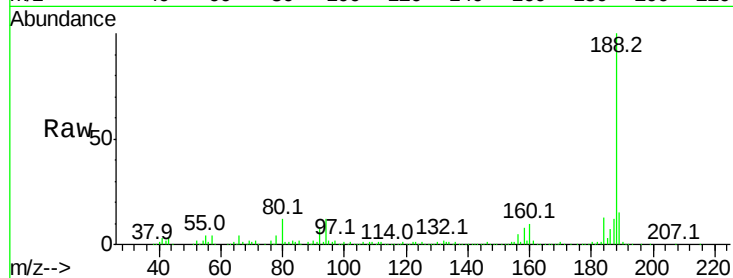




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF096464.D
Acq: 4 Jul 2017 3:14

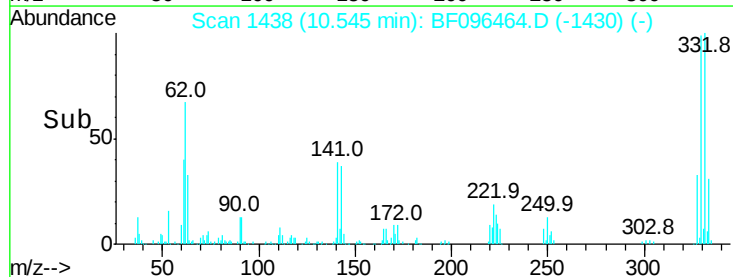
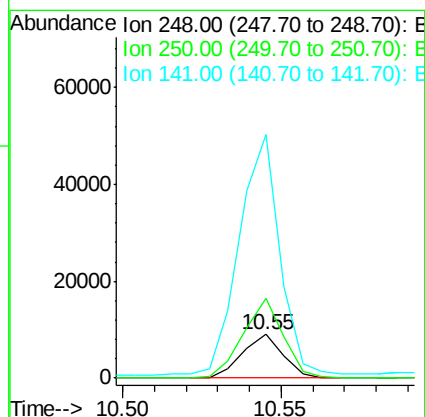
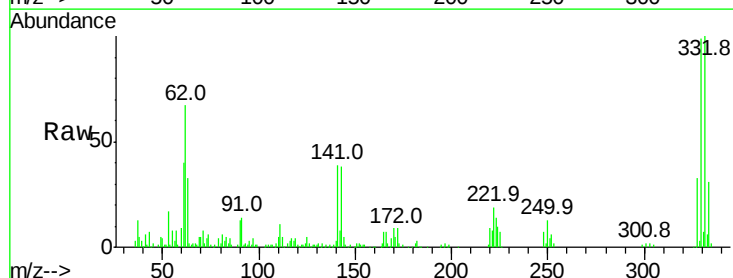
Instrument :
BNA_F
ClientSampleId :

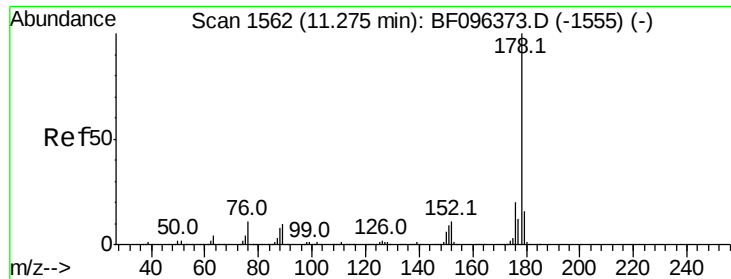
Tot Ion:188 Resp: 252697
Ion Ratio Lower Upper
188 100
94 11.9 9.4 14.2
80 12.0 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 3.26 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF096464.D
Acq: 4 Jul 2017 3:14

Tgt Ion:248 Resp: 8024
Ion Ratio Lower Upper
248 100
250 183.5 76.8 115.2#
141 556.9 68.6 103.0#





#70

Phenanthrene

Concen: 16.65 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

Instrument :

BNA_F

ClientSampled :

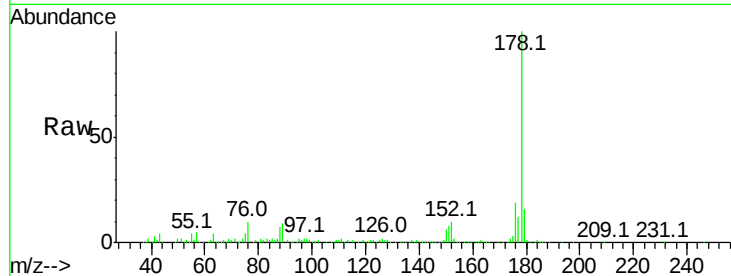
Tot Ion:178 Resp: 227494

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

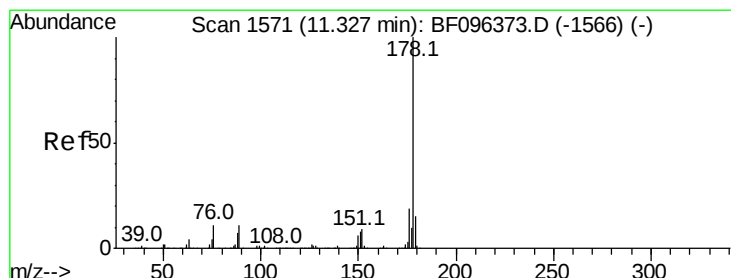
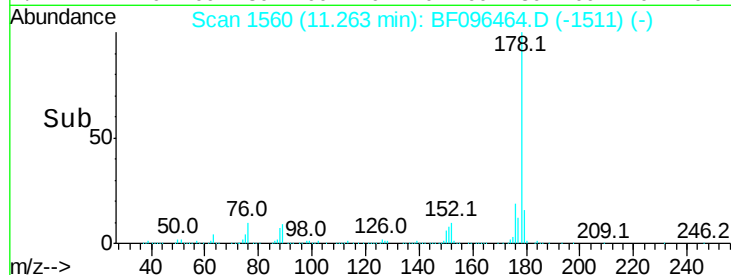
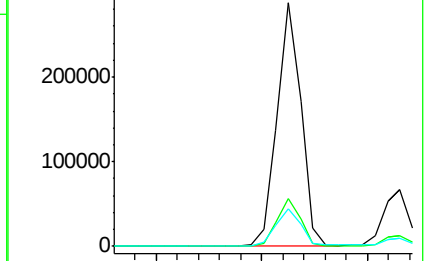
179 15.7 12.6 19.0



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



#71

Anthracene

Concen: 4.00 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

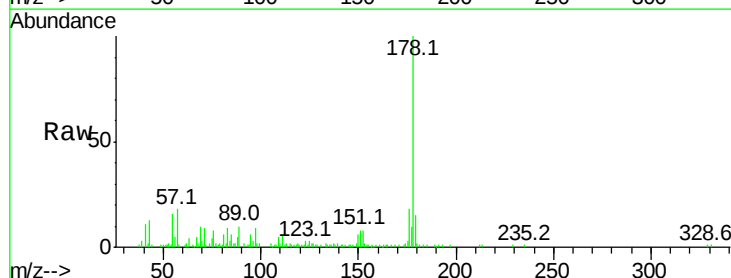
Tgt Ion:178 Resp: 55732

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

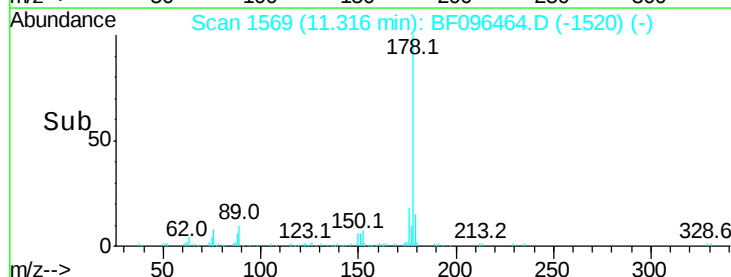
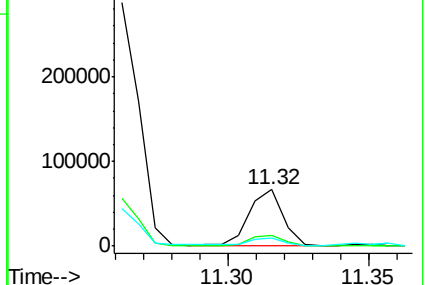
179 15.2 12.7 19.1

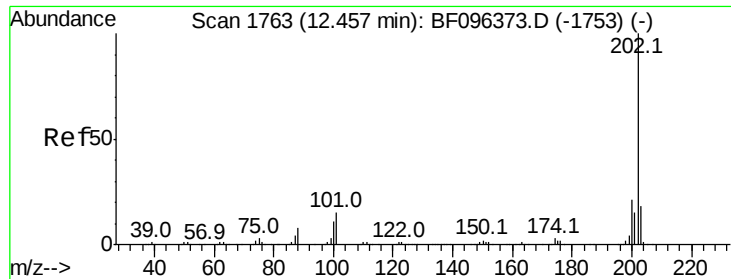


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 15.21 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

Instrument :

BNA_F

ClientSampled :

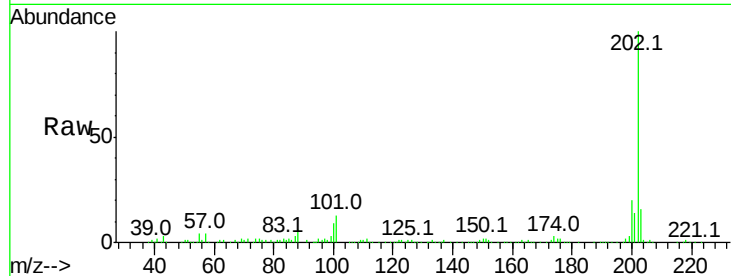
Tot Ion:202 Resp: 203688

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.2

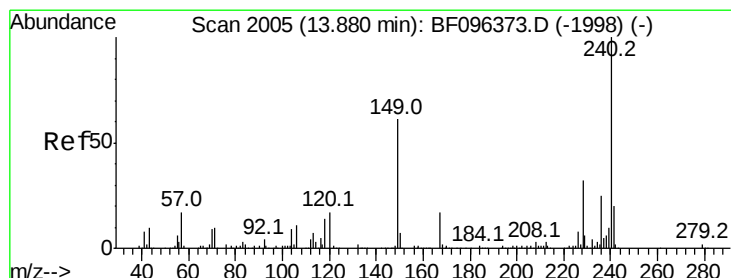
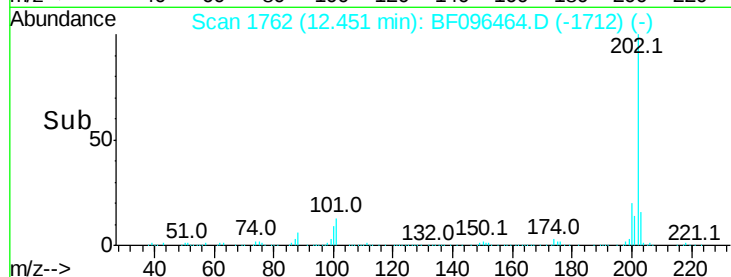
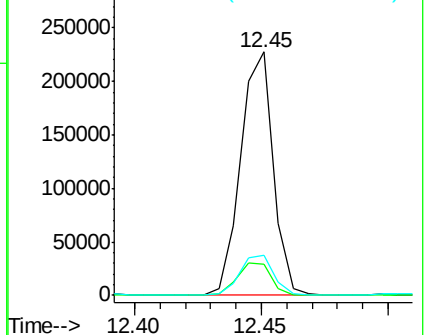
203 16.4 0.0 38.1



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: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

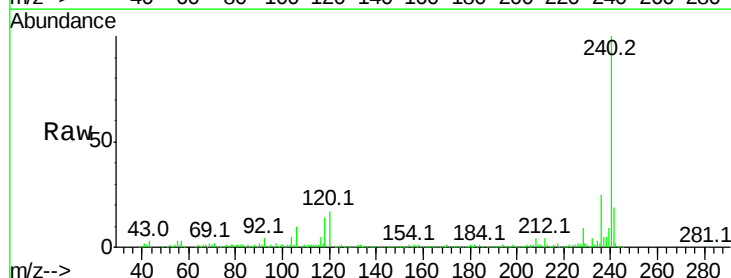
Tgt Ion:240 Resp: 222565

Ion Ratio Lower Upper

240 100

120 17.2 5.8 8.8#

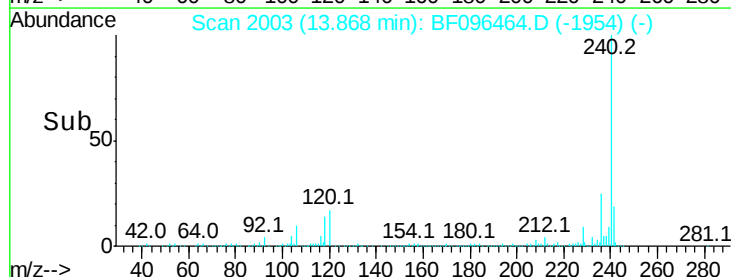
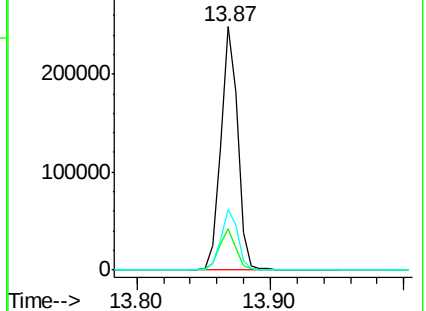
236 24.6 20.5 30.7

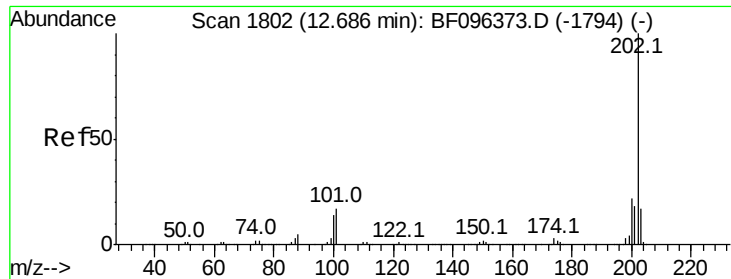


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 12.42 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

Instrument :

BNA_F

ClientSampleId :

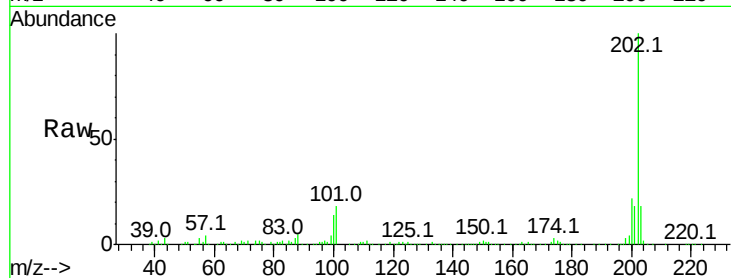
Tot Ion:202 Resp: 221795

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

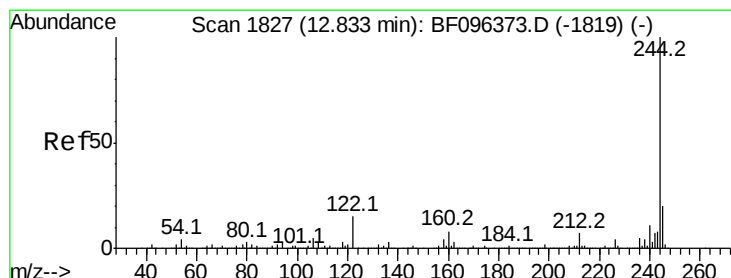
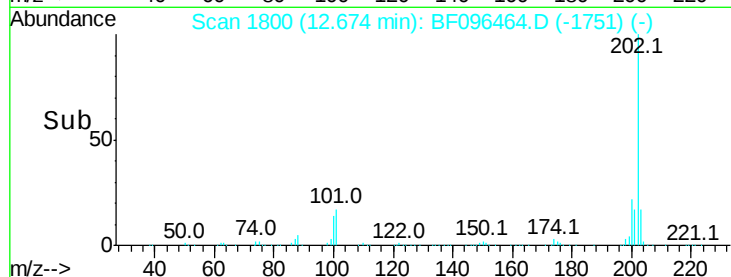
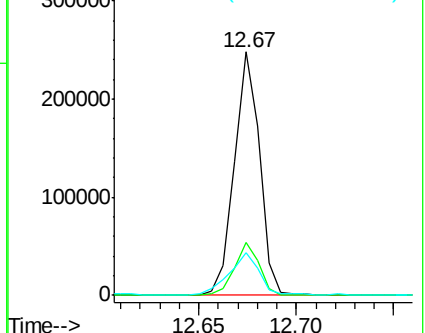
203 17.7 14.4 21.6



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: 53.89 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

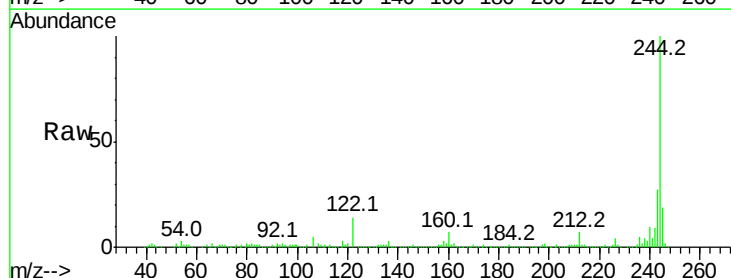
Tgt Ion:244 Resp: 561324

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

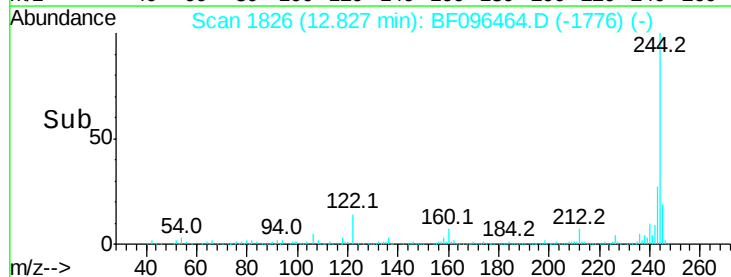
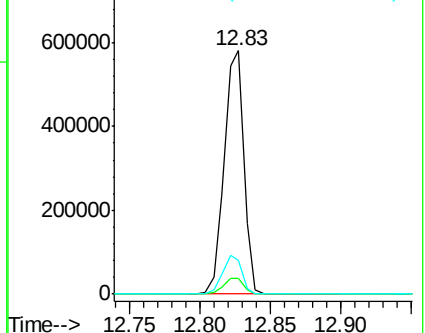
122 13.9 10.3 15.5

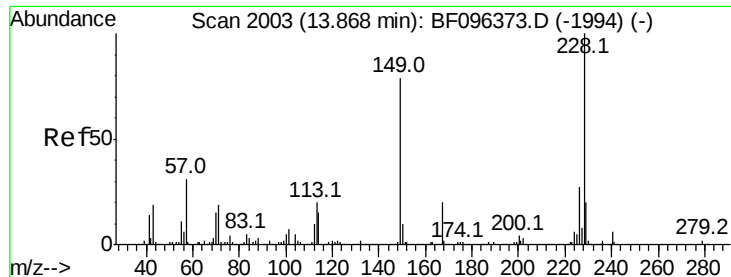


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.43 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

Instrument :

BNA_F

ClientSampled :

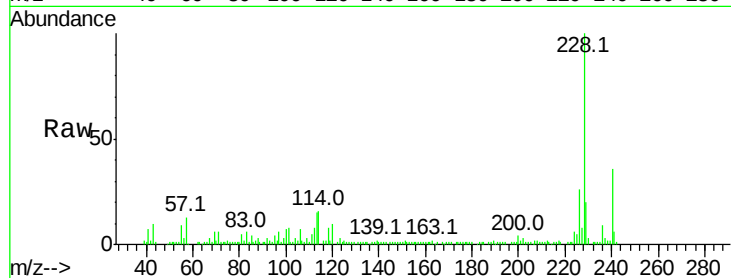
Tot Ion:228 Resp: 70022

Ion Ratio Lower Upper

228 100

226 26.0 22.6 33.8

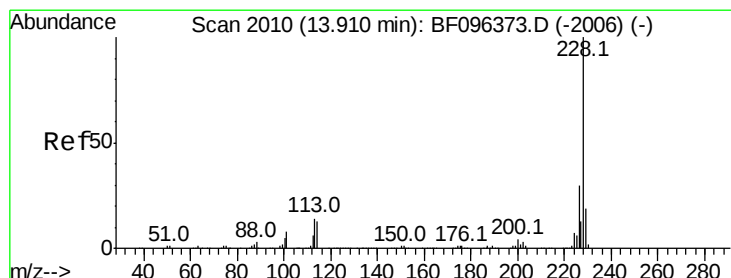
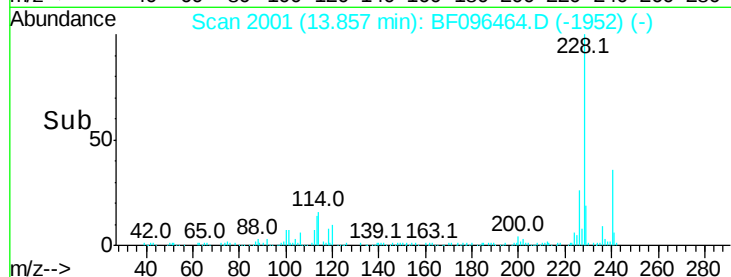
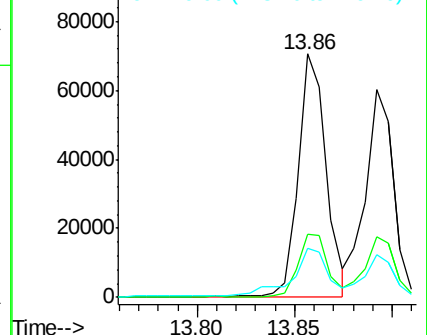
229 20.0 16.3 24.5



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: 4.48 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

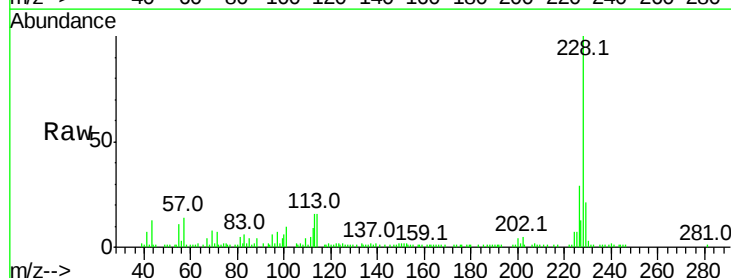
Tgt Ion:228 Resp: 60524

Ion Ratio Lower Upper

228 100

226 29.0 24.9 37.3

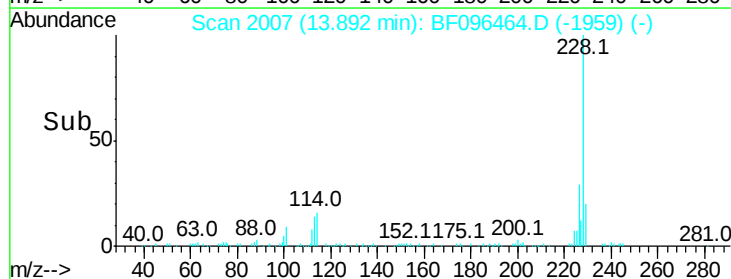
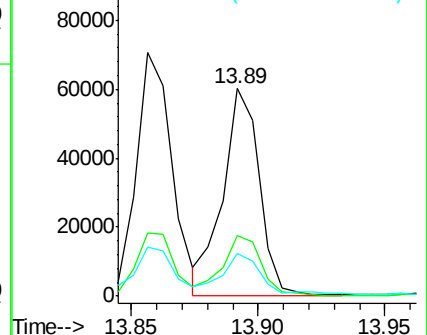
229 20.7 15.8 23.6

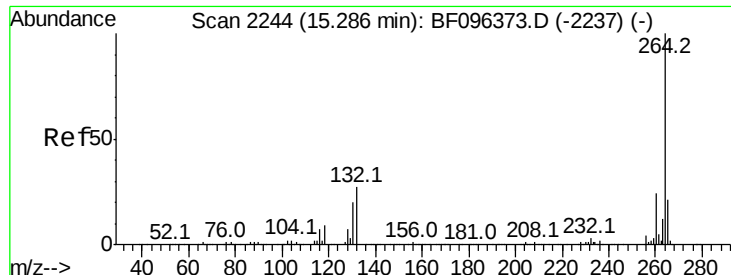


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

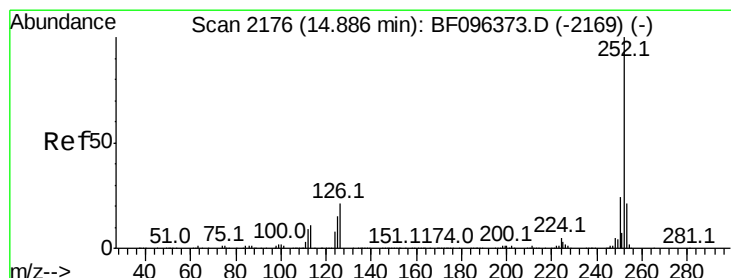
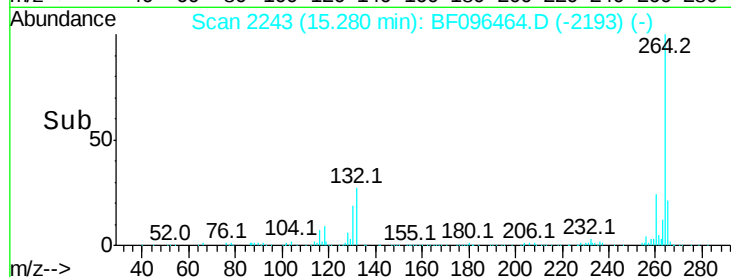
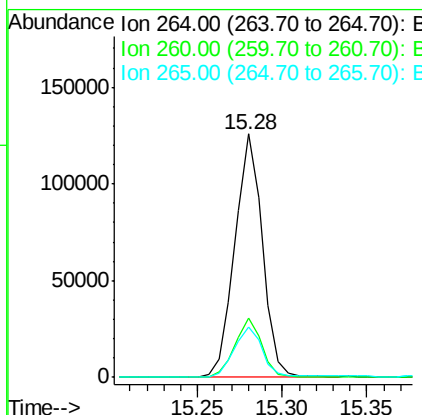
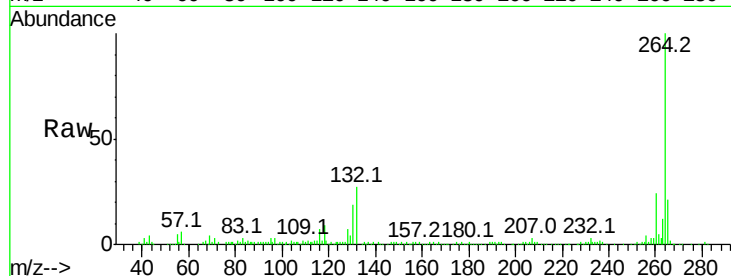




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF096464.D
Acq: 4 Jul 2017 3:14

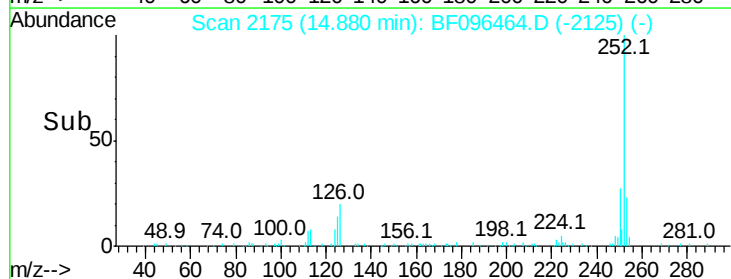
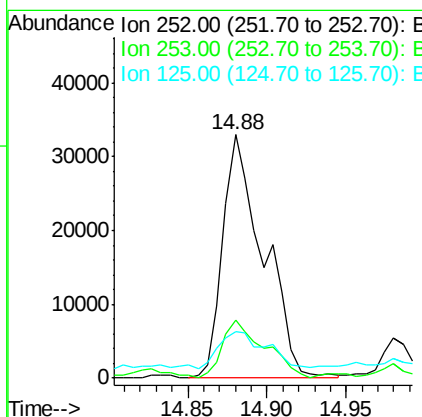
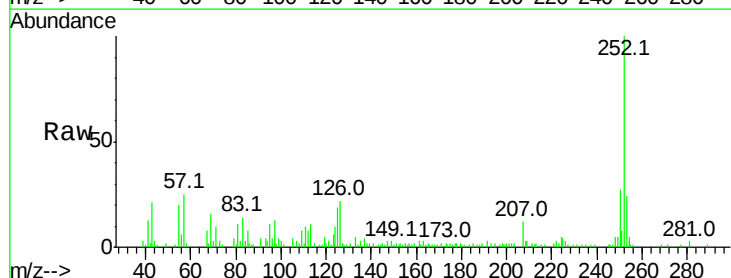
Instrument :
BNA_F
ClientSampleId :

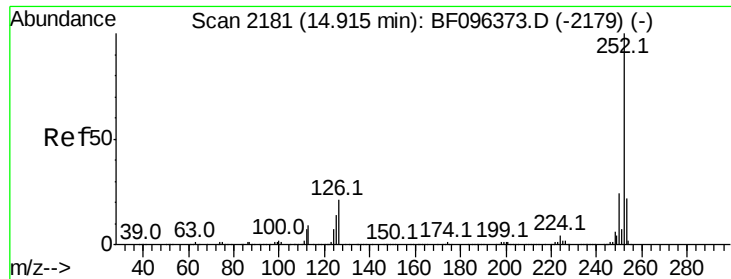
Tot Ion:264 Resp: 143278
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 20.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 6.58 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF096464.D
Acq: 4 Jul 2017 3:14

Tgt Ion:252 Resp: 59094
Ion Ratio Lower Upper
252 100
253 24.1 18.1 27.1
125 18.9 9.8 14.8#

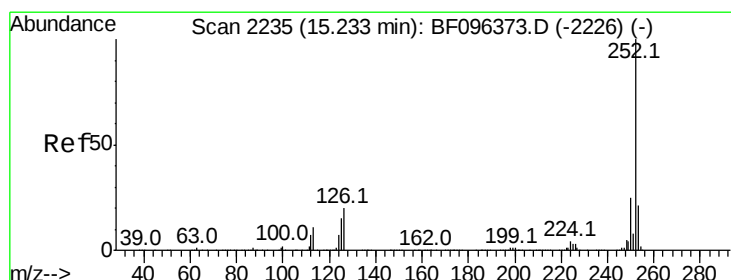
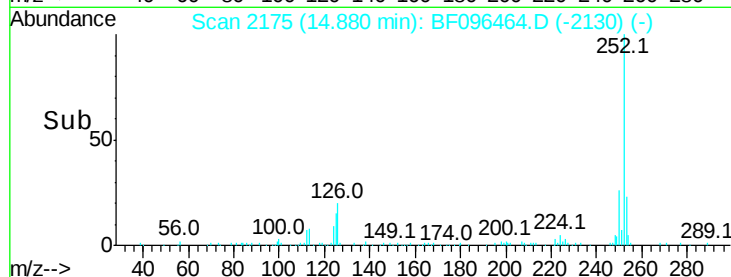
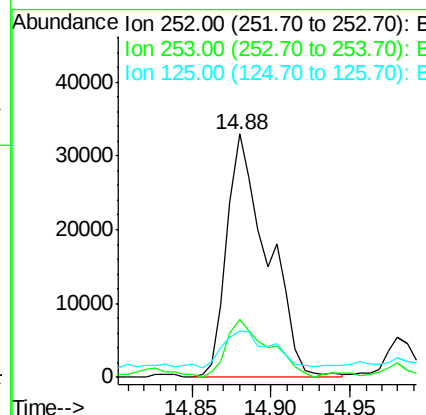
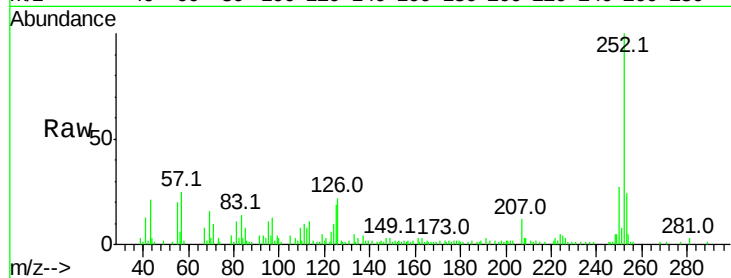




#88
Benzo(k)fluoranthene
Concen: 7.36 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.04 min
Lab File: BF096464.D
Acq: 4 Jul 2017 3:14

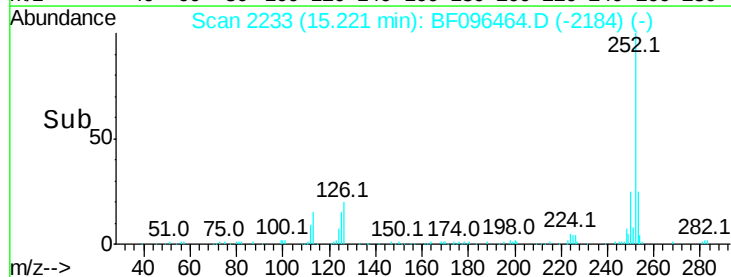
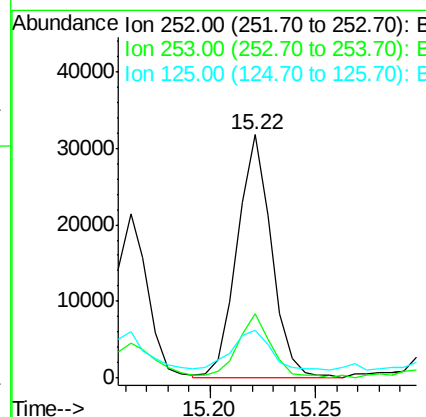
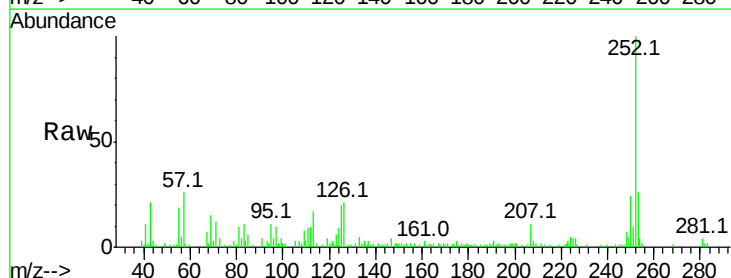
Instrument :
BNA_F
ClientSampleId :

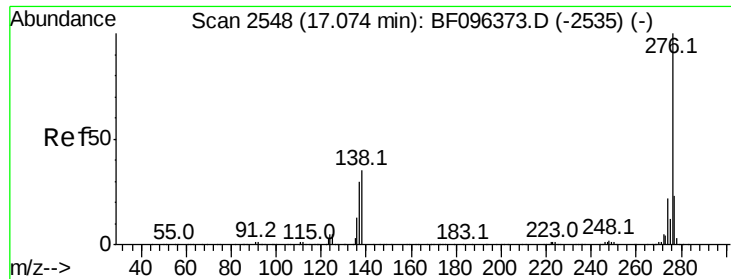
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	18.9	13.1	19.7



#89
Benzo(a)pyrene
Concen: 4.46 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF096464.D
Acq: 4 Jul 2017 3:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.5	26.3
125	19.6	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 2.52 ng

RT: 17.05 min Scan# 2544

Delta R.T. -0.02 min

Lab File: BF096464.D

Acq: 4 Jul 2017 3:14

Instrument :

BNA_F

ClientSampleId :

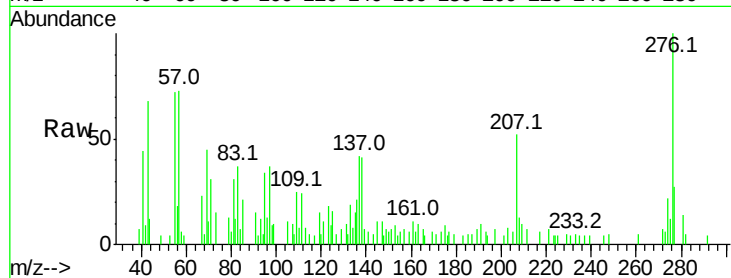
Tot Ion:276 Resp: 16480

Ion Ratio Lower Upper

276 100

277 26.9 18.6 28.0

138 40.7 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

