

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
 Data File : BF096444.D
 Acq On : 3 Jul 2017 16:37
 Operator : SJ/MA
 Sample : I3882-14RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 01:13:14 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

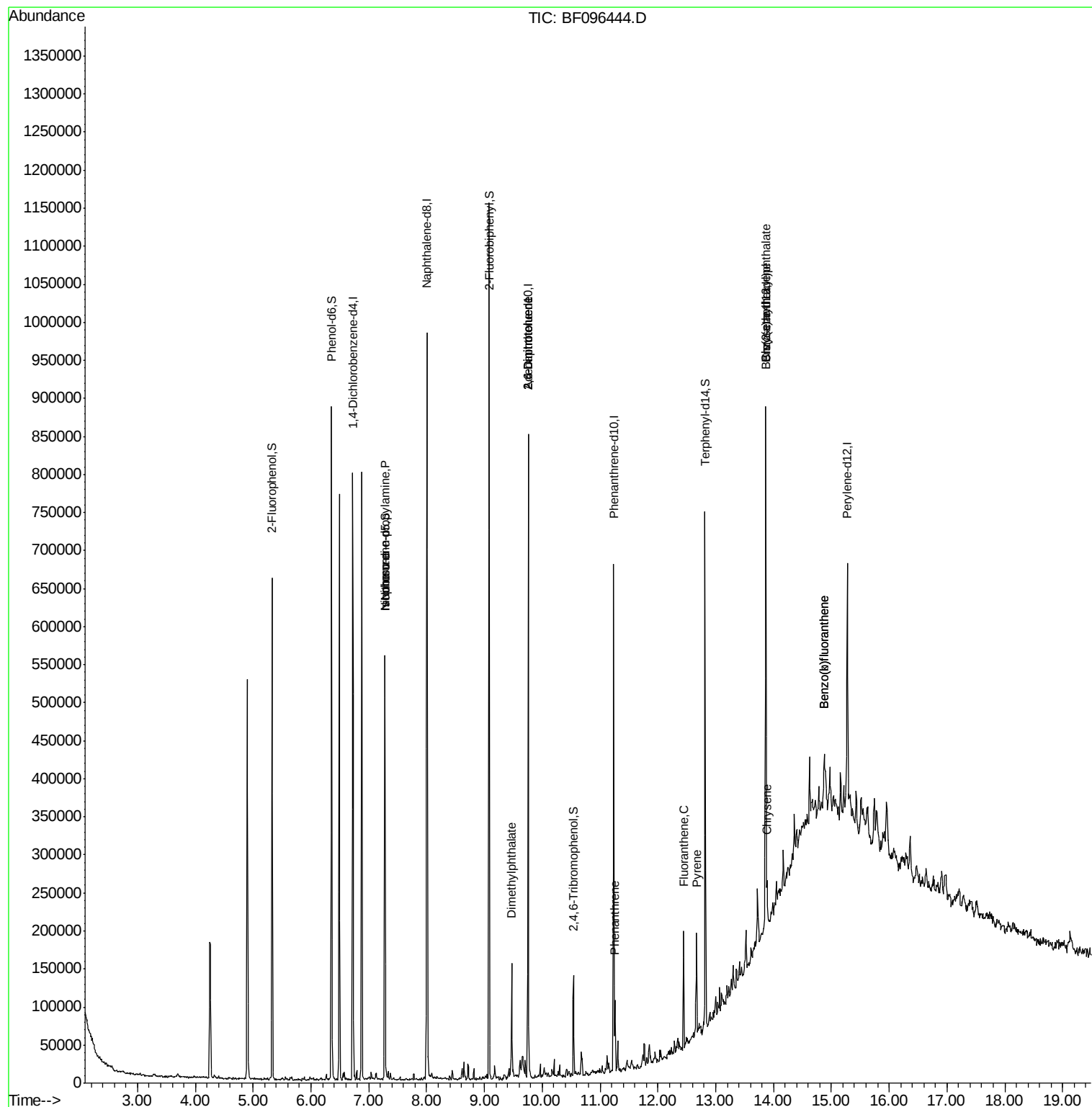
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	108162	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	414505	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	153722	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	228938	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	214150	20.00	ng	-0.01
86) Perylene-d12	15.28	264	150929	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	165124	22.53	ng	-0.02
7) Phenol-d6	6.35	99	276642	30.71	ng	-0.02
23) Nitrobenzene-d5	7.28	82	159095	23.06	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	12532	10.44	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	319098	35.49	ng	-0.02
78) Terphenyl-d14	12.82	244	212218	21.18	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	20786	3.87	ng	# 88
25) Isophorone	7.28	82	158870	11.88	ng	# 67
49) Dimethylphthalate	9.47	163	56883	4.96	ng	97
50) 2,6-Dinitrotoluene	9.76	165	19984	7.88	ng	# 33
56) 2,4-Dinitrotoluene	9.76	165	19984	6.22	ng	# 32
70) Phenanthrene	11.26	178	31680	2.56	ng	99
74) Fluoranthene	12.45	202	55333	4.56	ng	97
77) Pyrene	12.67	202	53525	3.11	ng	99
80) Benzo(a)anthracene	13.86	228	27778	2.24	ng	# 91
82) Chrysene	13.89	228	29651	2.28	ng	# 95
83) Bis(2-ethylhexyl)phthalate	13.86	149	26686	2.75	ng	# 95
87) Benzo(b)fluoranthene	14.88	252	41305	4.37	ng	# 85
88) Benzo(k)fluoranthene	14.88	252	41305	4.88	ng	# 89

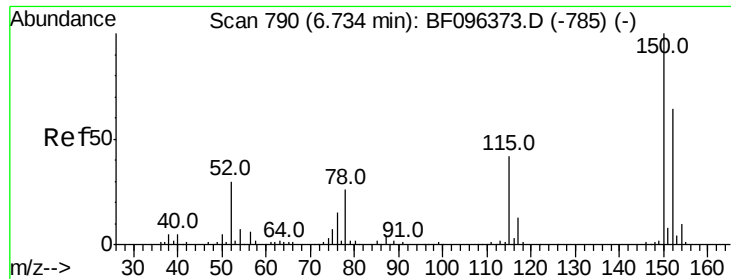
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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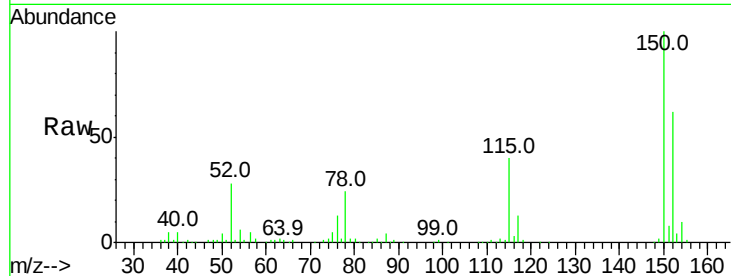


#1

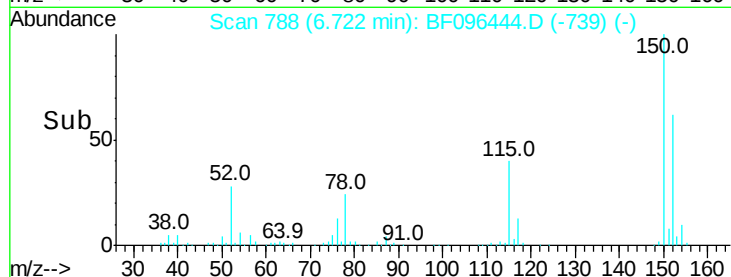
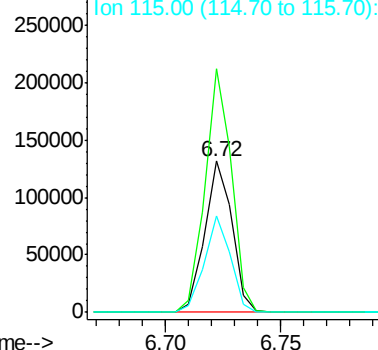
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096444.D
Acq: 3 Jul 2017 16:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.3	126.2	189.2
115	64.3	52.2	78.2



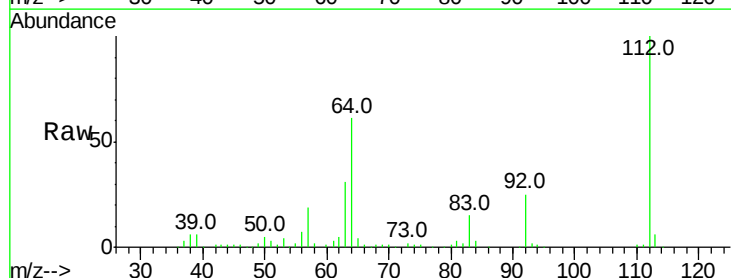
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



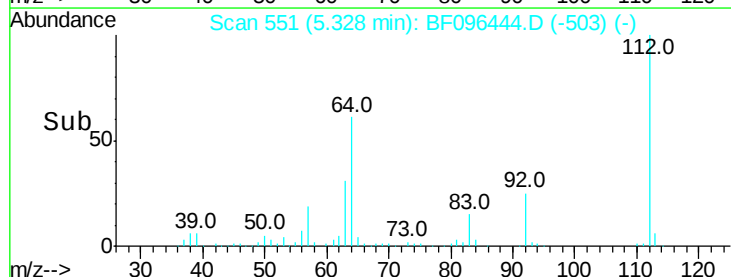
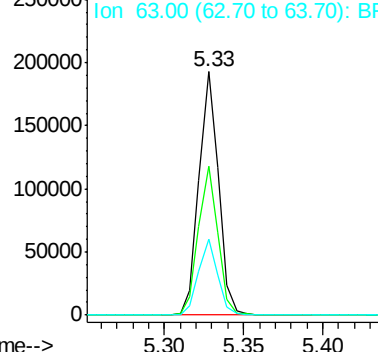
#5

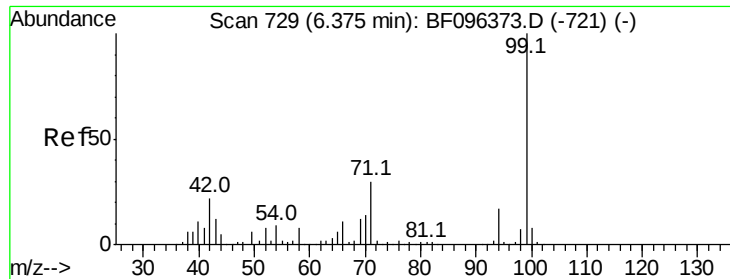
2-Fluorophenol
Concen: 22.53 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096444.D
Acq: 3 Jul 2017 16:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	46.0	69.0
63	31.2	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: 30.71 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF096444.D

Acq: 3 Jul 2017 16:37

Instrument :

BNA_F

ClientSampleId :

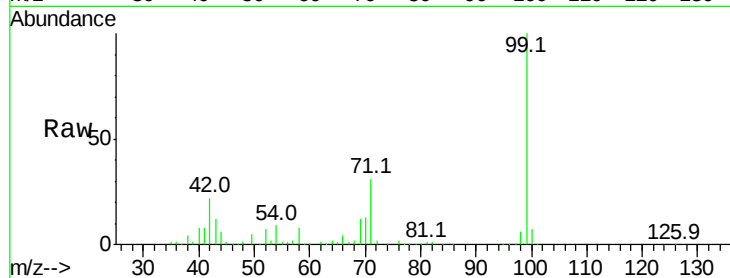
Tot Ion: 99 Resp: 276642

Ion Ratio Lower Upper

99 100

42 22.1 13.5 20.3#

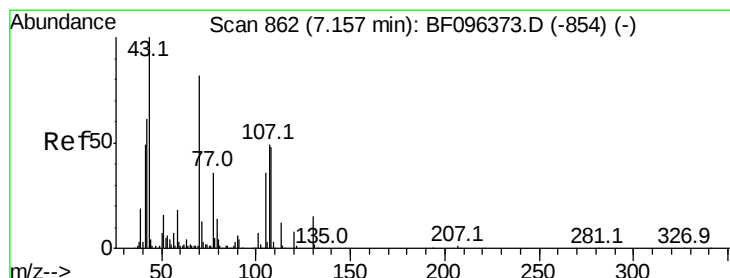
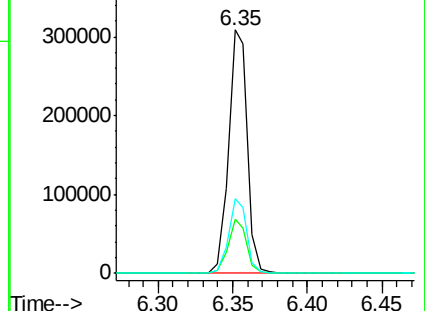
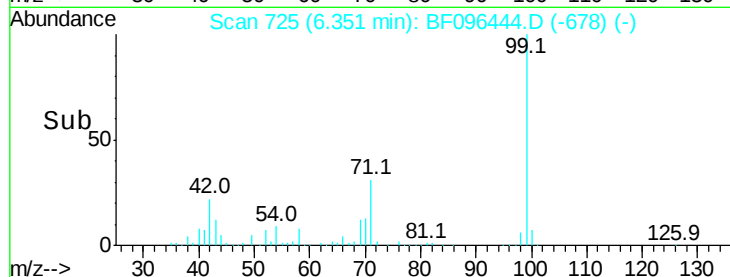
71 30.8 24.5 36.7



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: 3.87 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.12 min

Lab File: BF096444.D

Acq: 3 Jul 2017 16:37

Tgt Ion: 70 Resp: 20786

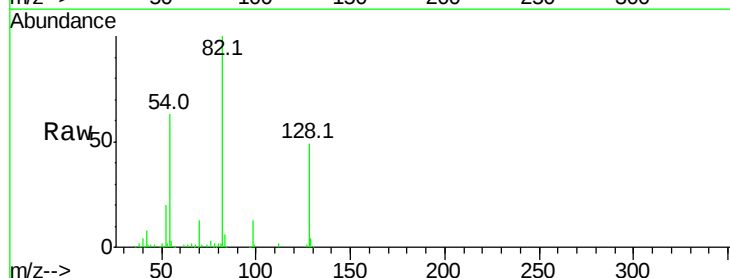
Ion Ratio Lower Upper

70 100

42 60.3 47.2 70.8

101 0.0 7.2 10.8#

130 3.5 15.9 23.9#

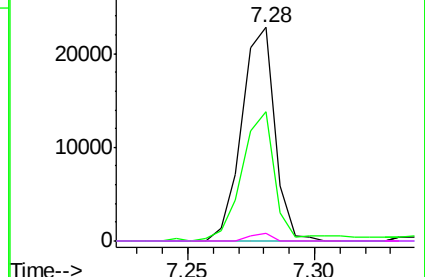
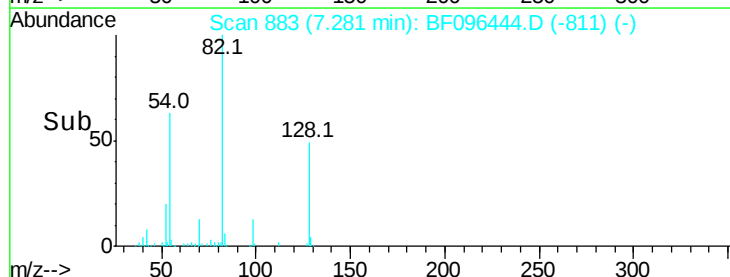


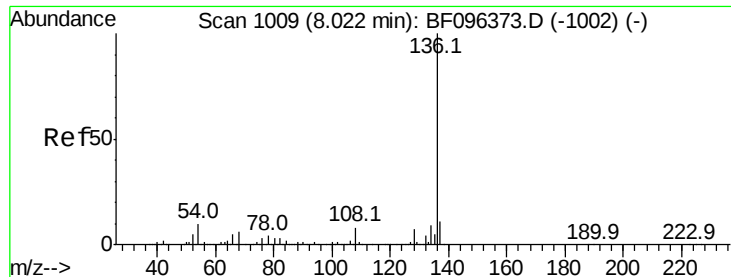
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.00 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF096444.D

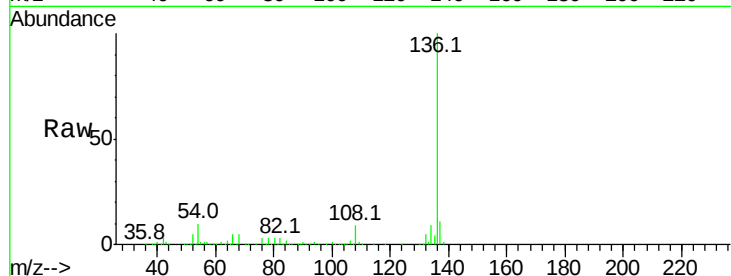
Acq: 3 Jul 2017 16:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	136	Resp:	414505
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.4	4.9	7.3#
68	5.2	4.1	6.1

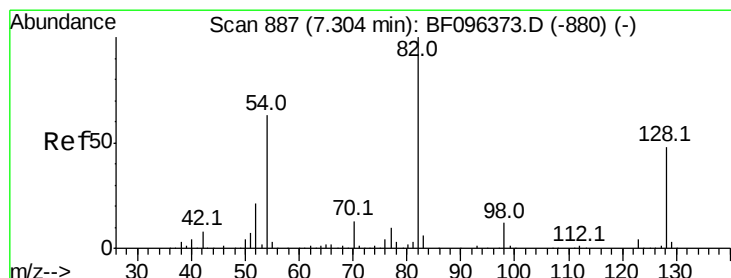
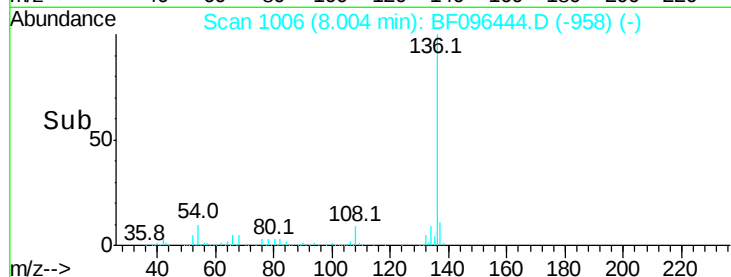
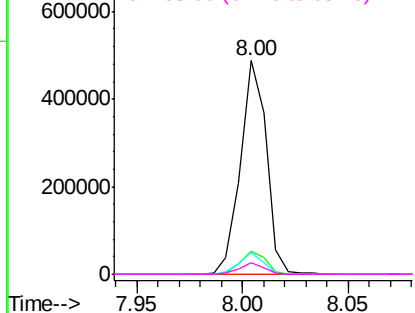


Abundance Ion 136.00 (135.70 to 136.70): E

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: 23.06 ng

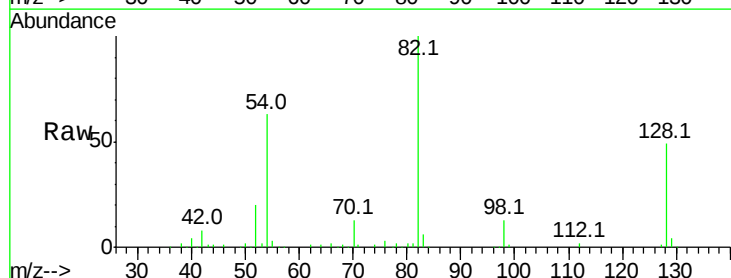
RT: 7.28 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF096444.D

Acq: 3 Jul 2017 16:37

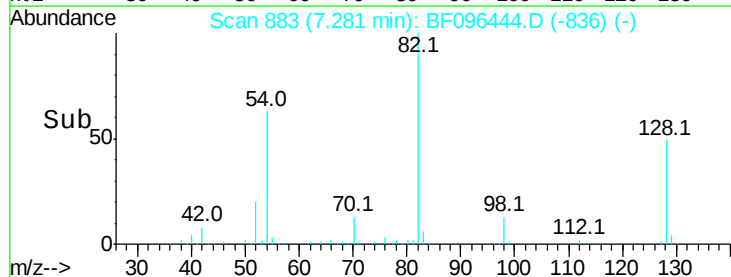
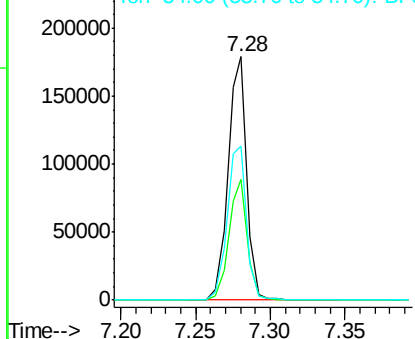
Tgt Ion:	82	Resp:	159095
Ion	Ratio	Lower	Upper
82	100		
128	49.5	34.0	51.0
54	63.4	42.2	63.2#

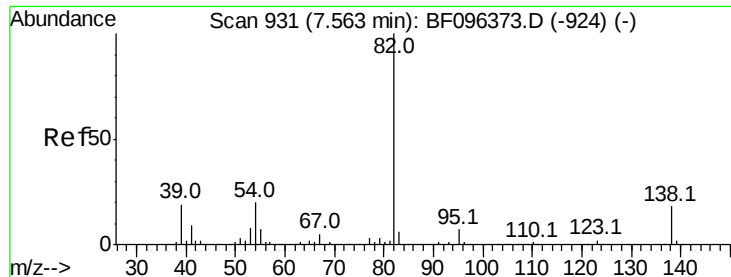


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 11.88 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.28 min

Lab File: BF096444.D

Acq: 3 Jul 2017 16:37

Instrument :

BNA_F

ClientSampleId :

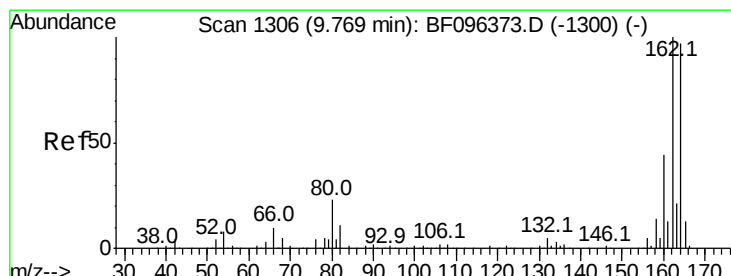
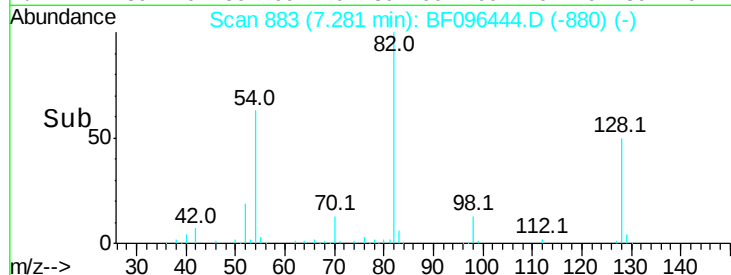
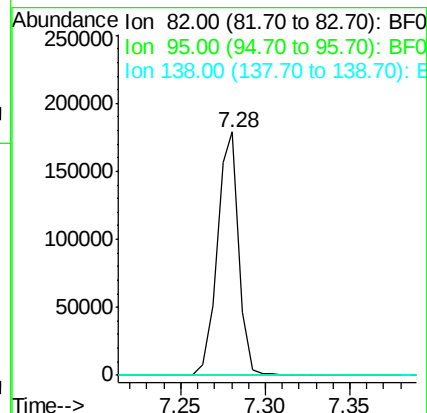
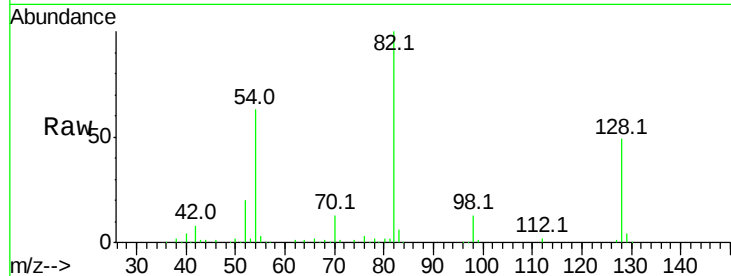
Tot Ion: 82 Resp: 158870

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# 1304

Delta R.T. -0.01 min

Lab File: BF096444.D

Acq: 3 Jul 2017 16:37

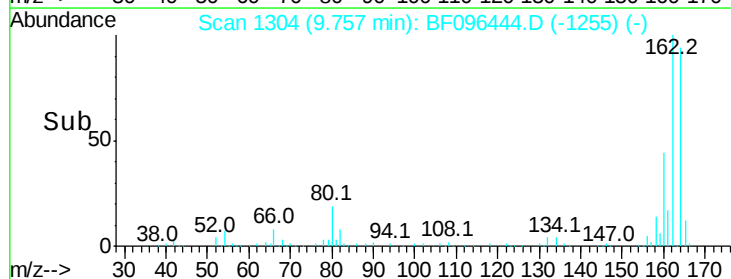
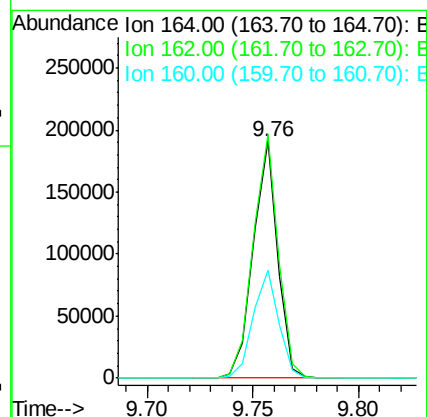
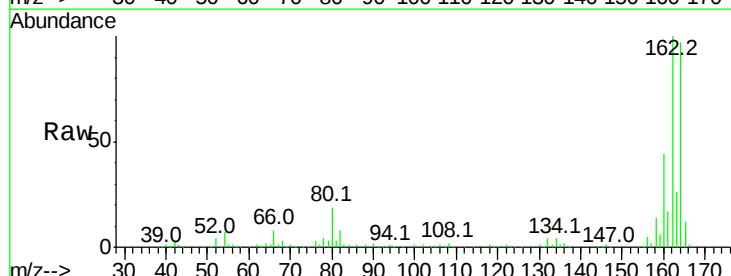
Tgt Ion:164 Resp: 153722

Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

160 45.6 36.2 54.2

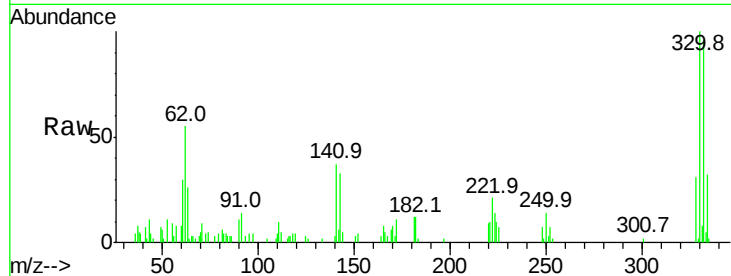




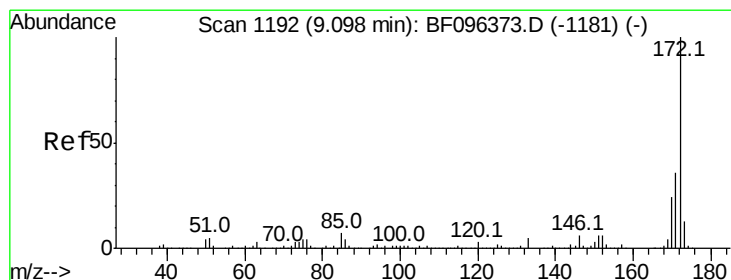
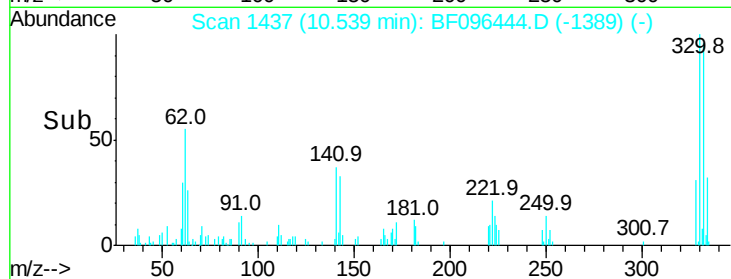
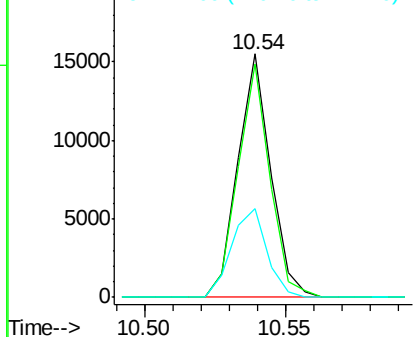
#41
 2,4,6-Tribromophenol
 Concen: 10.44 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: BF096444.D
 Acq: 3 Jul 2017 16:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 12532
 Ion Ratio Lower Upper
 330 100
 332 92.8 76.6 115.0
 141 39.2 31.4 47.2

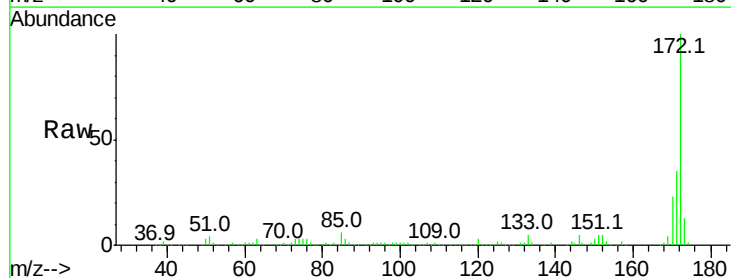


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

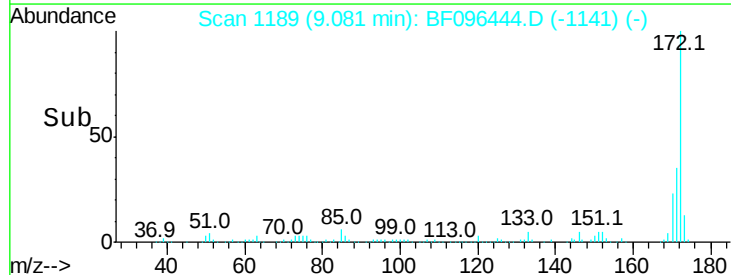
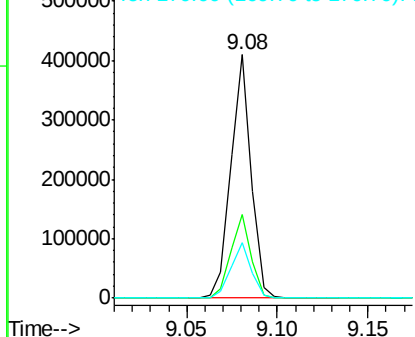


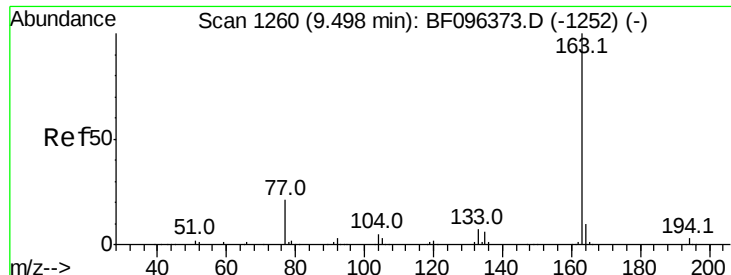
#44
 2-Fluorobiphenyl
 Concen: 35.49 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: BF096444.D
 Acq: 3 Jul 2017 16:37

Tgt Ion:172 Resp: 319098
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.6 44.4
 170 22.9 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

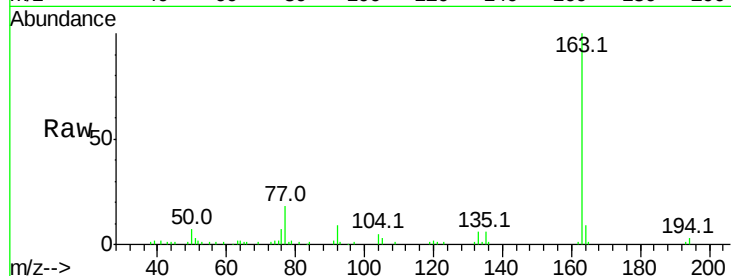




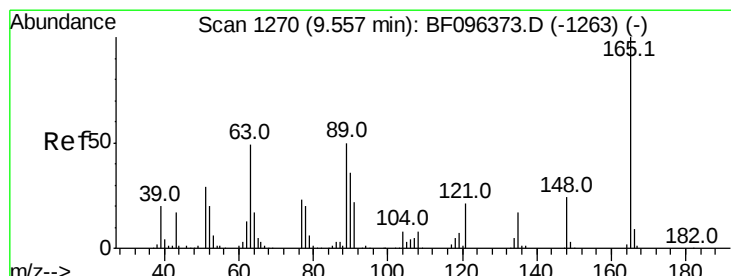
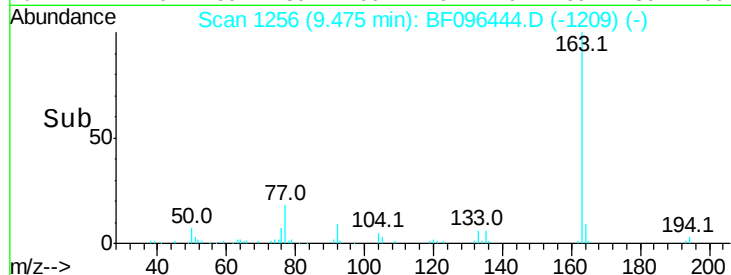
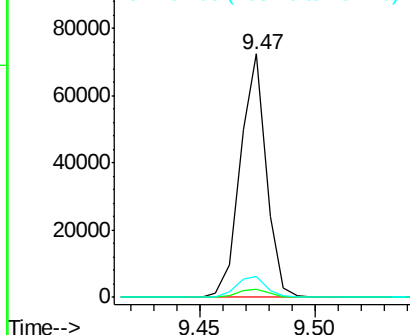
#49
Dimethylphthalate
Concen: 4.96 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF096444.D
Acq: 3 Jul 2017 16:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 56883
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 8.8 8.4 12.6

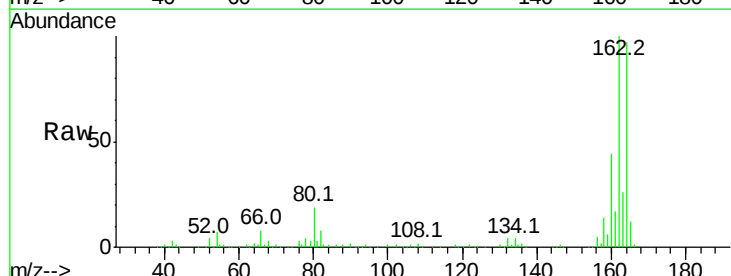


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

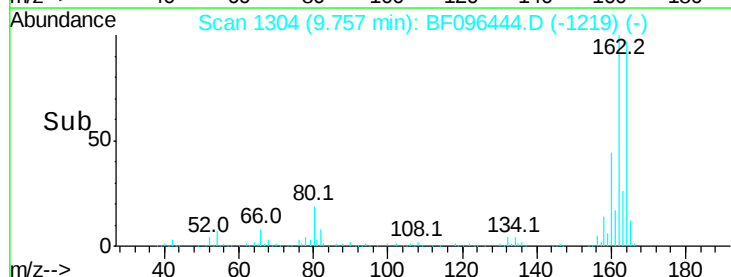
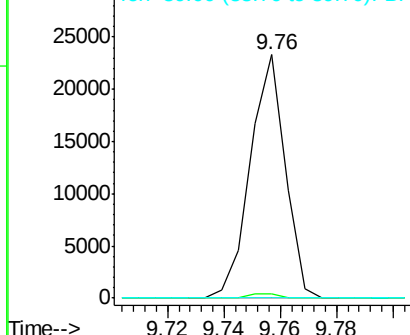


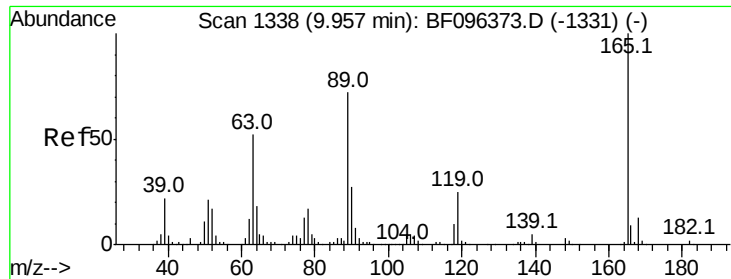
#50
2,6-Dinitrotoluene
Concen: 7.88 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.20 min
Lab File: BF096444.D
Acq: 3 Jul 2017 16:37

Tgt Ion:165 Resp: 19984
Ion Ratio Lower Upper
165 100
63 1.5 34.3 51.5#
89 0.0 37.1 55.7#



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

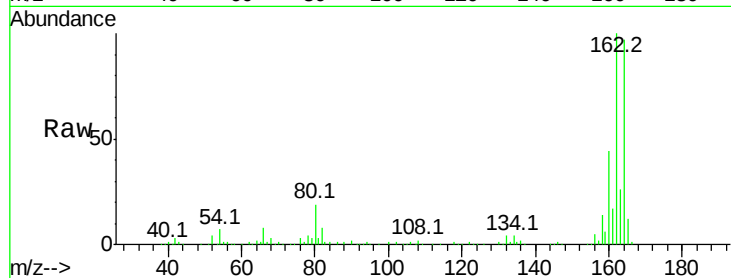




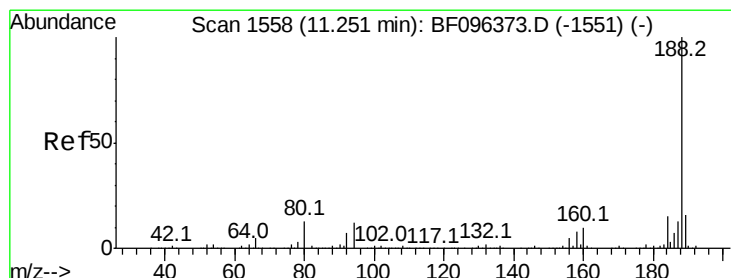
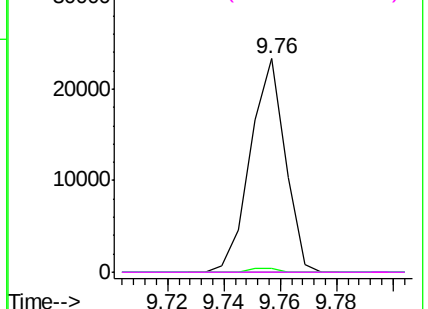
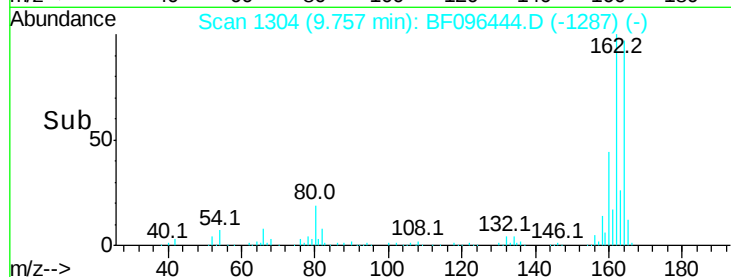
#56
 2,4-Dinitrotoluene
 Concen: 6.22 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF096444.D
 Acq: 3 Jul 2017 16:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 19984
 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#

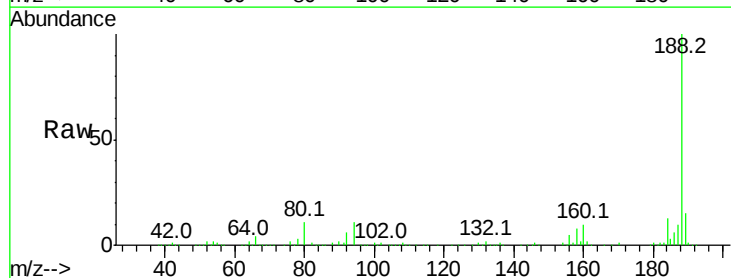


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

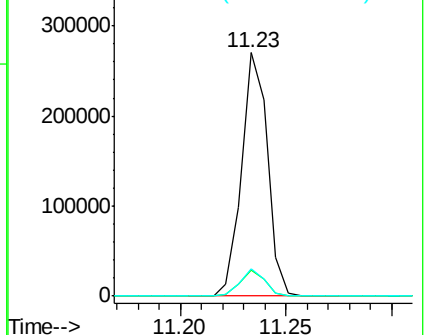
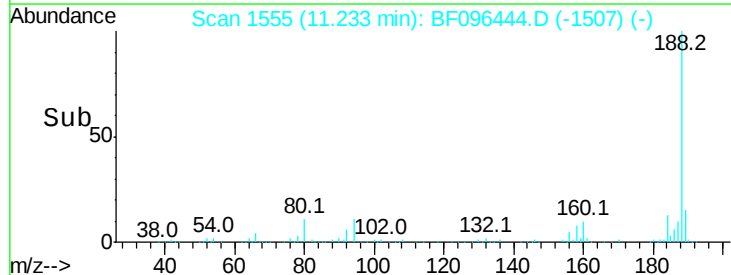


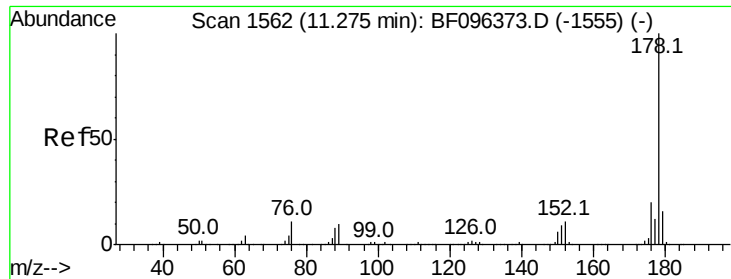
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF096444.D
 Acq: 3 Jul 2017 16:37

Tgt Ion:188 Resp: 228938
 Ion Ratio Lower Upper
 188 100
 94 10.8 9.4 14.2
 80 11.4 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: 2.56 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BF096444.D

Acq: 3 Jul 2017 16:37

Instrument :

BNA_F

ClientSampled :

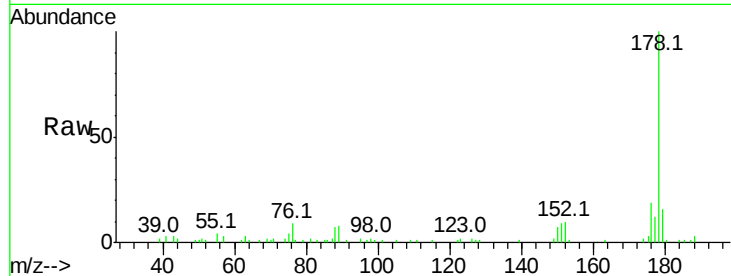
Tot Ion:178 Resp: 31680

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

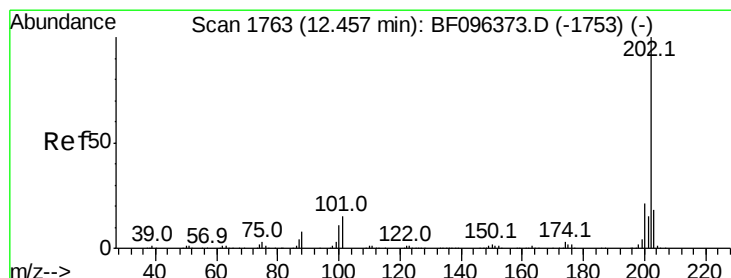
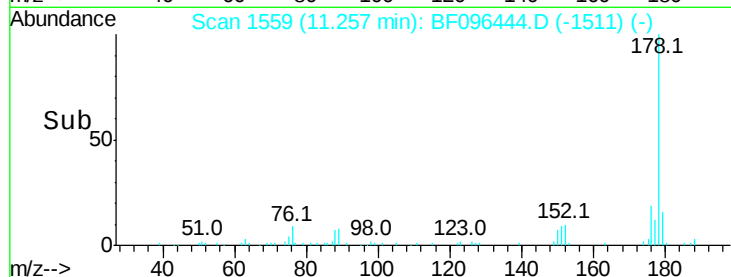
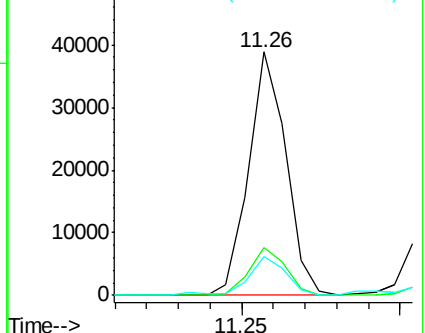
179 15.9 12.6 19.0



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: 4.56 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF096444.D

Acq: 3 Jul 2017 16:37

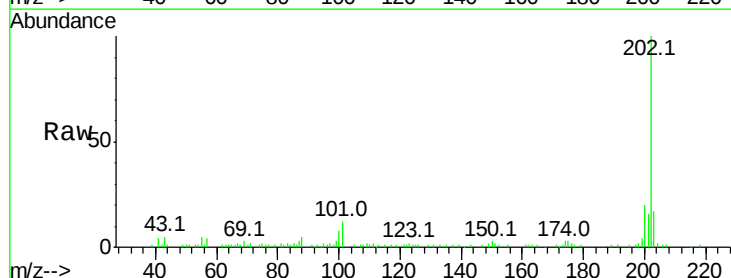
Tgt Ion:202 Resp: 55333

Ion Ratio Lower Upper

202 100

101 11.9 0.0 33.2

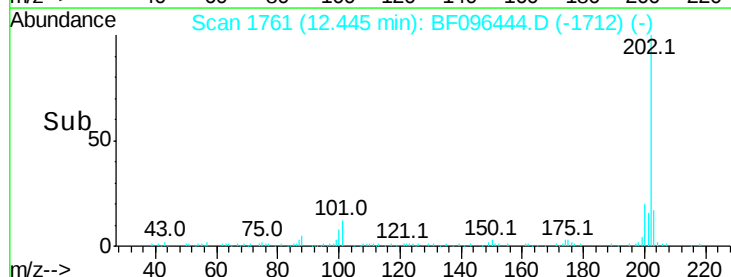
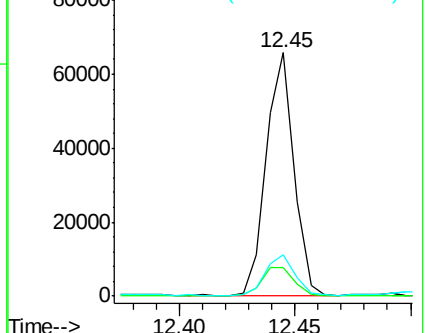
203 16.8 0.0 38.1

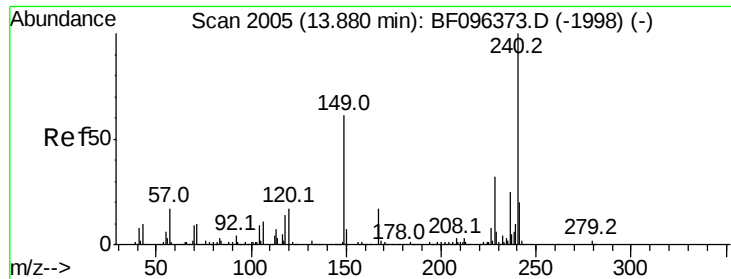


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF096444.D

Acq: 3 Jul 2017 16:37

Instrument :

BNA_F

ClientSampleId :

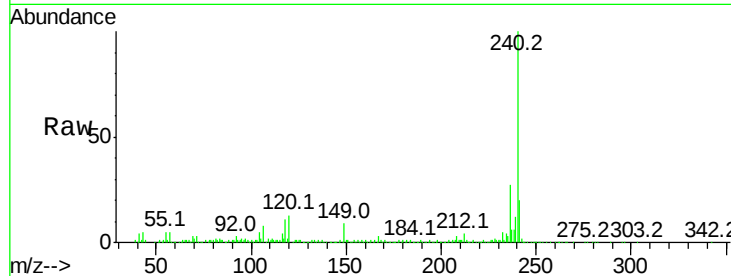
Tot Ion:240 Resp: 214150

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

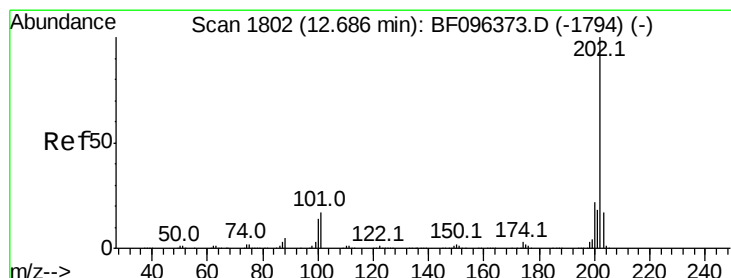
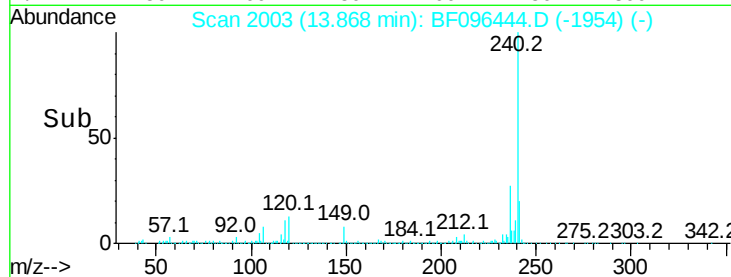
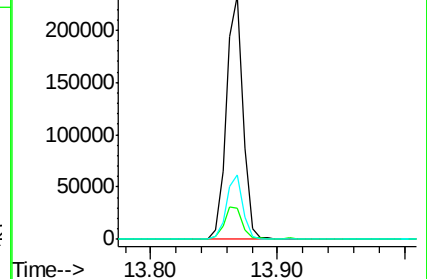
236 26.7 20.5 30.7



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: 3.11 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.02 min

Lab File: BF096444.D

Acq: 3 Jul 2017 16:37

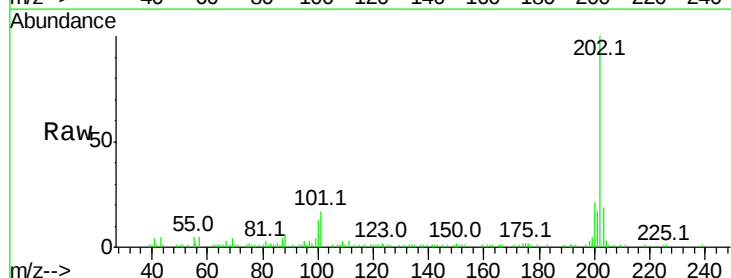
Tgt Ion:202 Resp: 53525

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

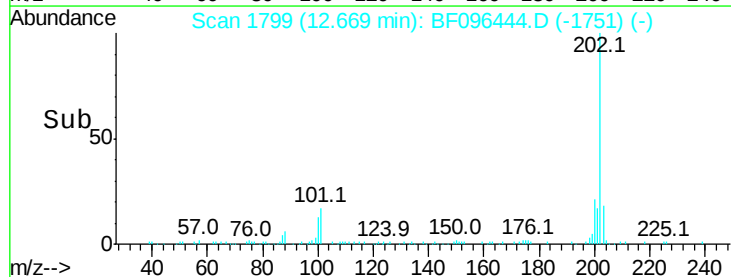
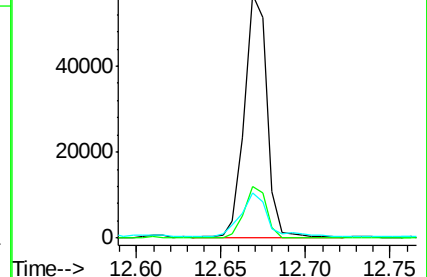
203 18.5 14.4 21.6

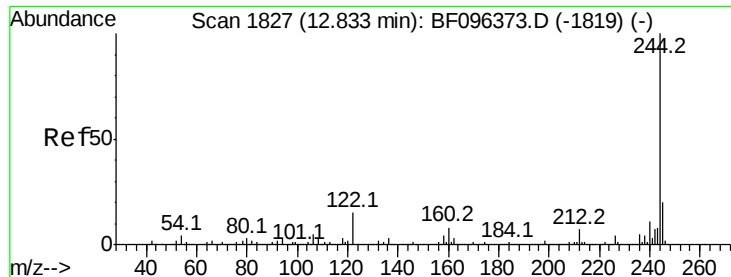


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

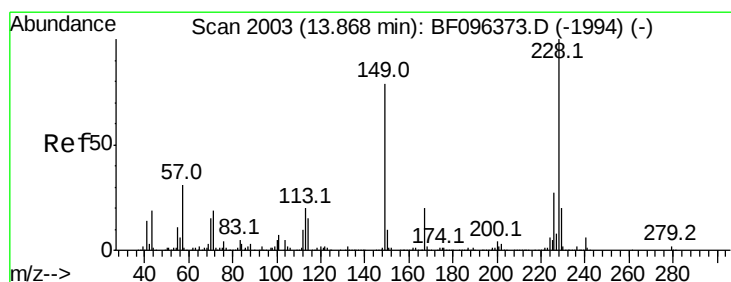
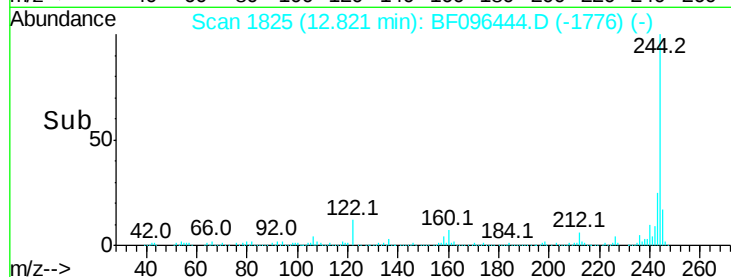
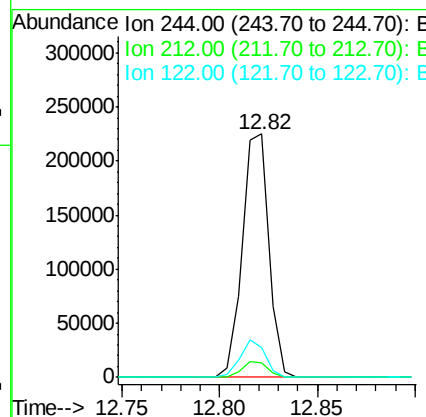
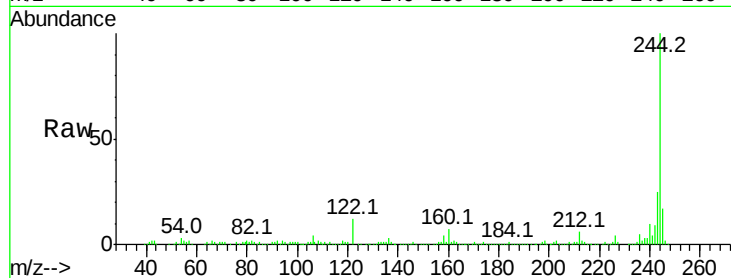




#78
 Terphenyl-d14
 Concen: 21.18 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF096444.D
 Acq: 3 Jul 2017 16:37

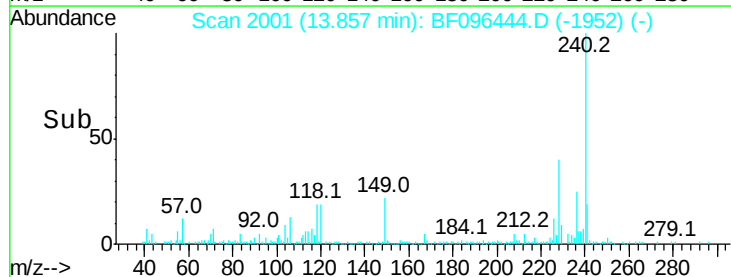
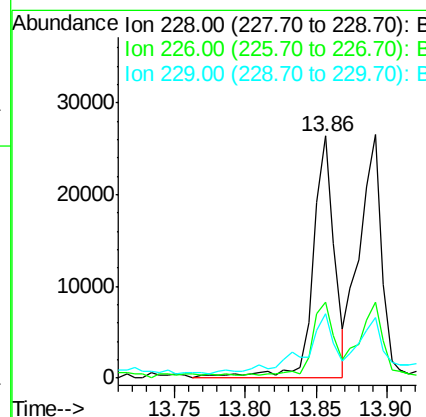
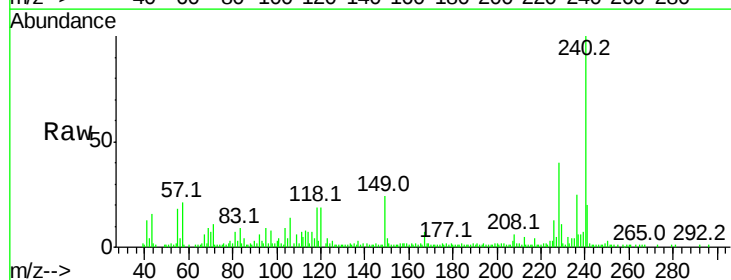
Instrument :
 BNA_F
 ClientSampleId :

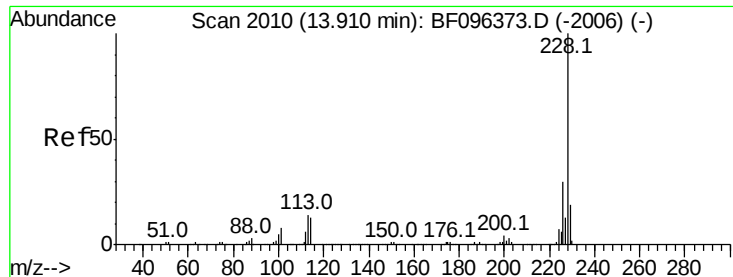
Tot Ion:244 Resp: 212218
 Ion Ratio Lower Upper
 244 100
 212 6.2 6.0 9.0
 122 12.2 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.24 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF096444.D
 Acq: 3 Jul 2017 16:37

Tgt Ion:228 Resp: 27778
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.6 33.8
 229 26.4 16.3 24.5#

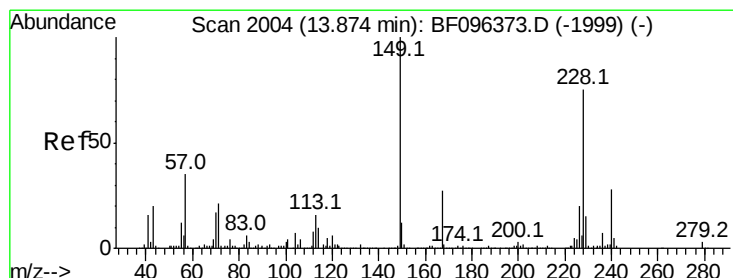
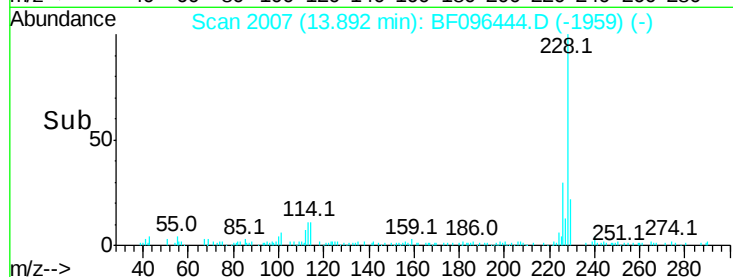
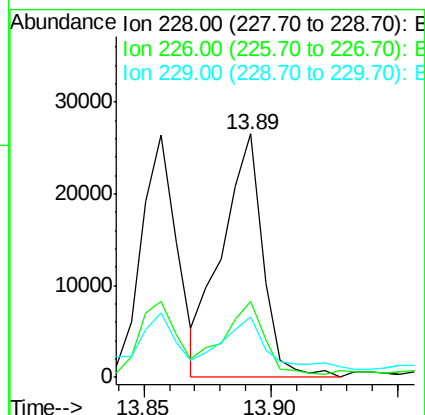
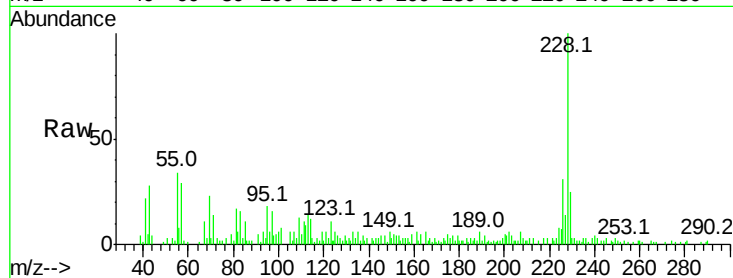




#82
 Chrvsene
 Concen: 2.28 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.02 min
 Lab File: BF096444.D
 Acq: 3 Jul 2017 16:37

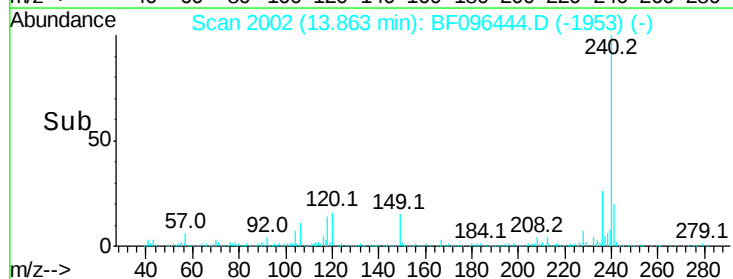
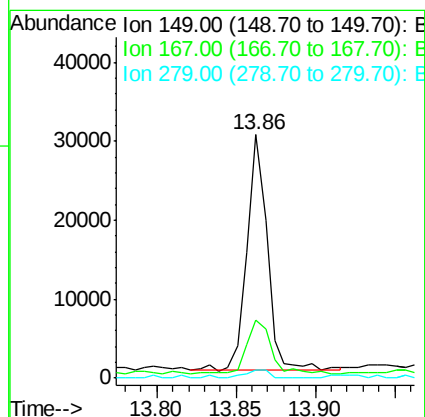
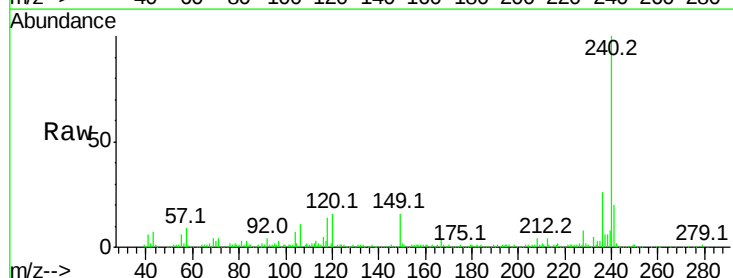
Instrument :
 BNA_F
 ClientSampleId :

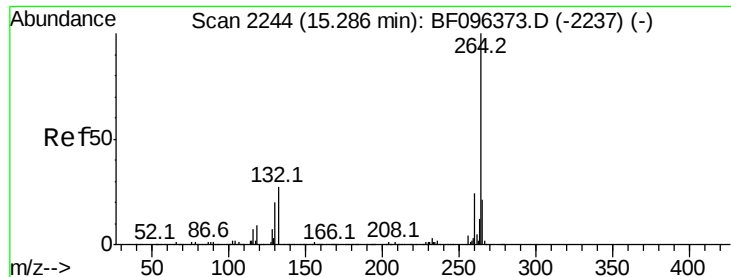
Tot Ion:228 Resp: 29651
 Ion Ratio Lower Upper
 228 100
 226 31.0 24.9 37.3
 229 25.0 15.8 23.6#



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.75 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF096444.D
 Acq: 3 Jul 2017 16:37

Tgt Ion:149 Resp: 26686
 Ion Ratio Lower Upper
 149 100
 167 23.7 21.0 31.4
 279 3.5 1.9 2.9#

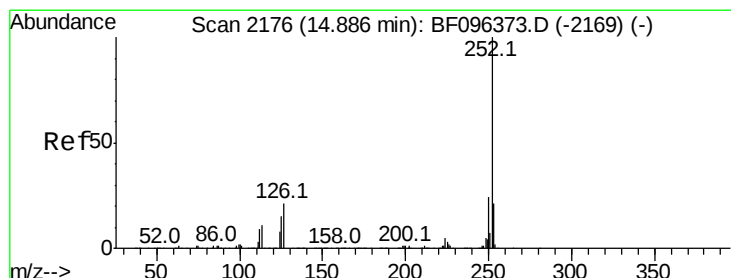
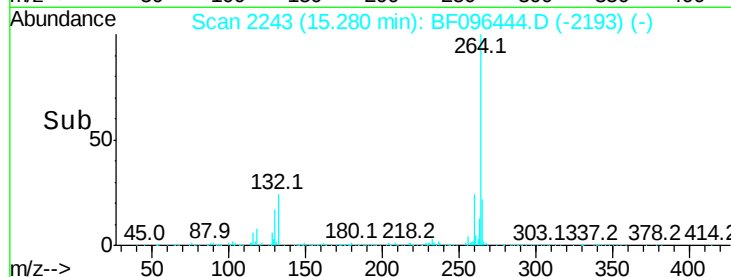
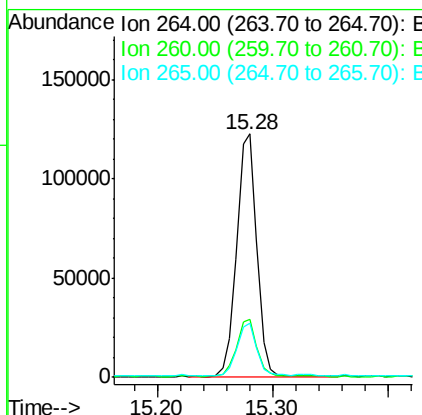
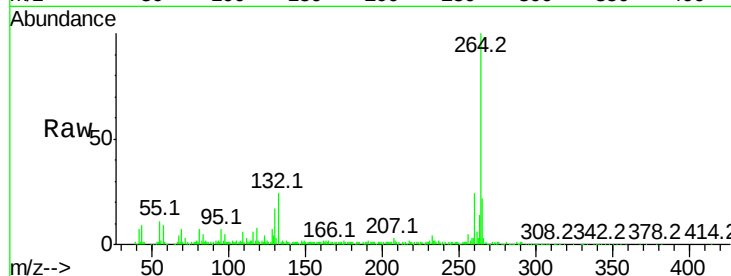




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF096444.D
Acq: 3 Jul 2017 16:37

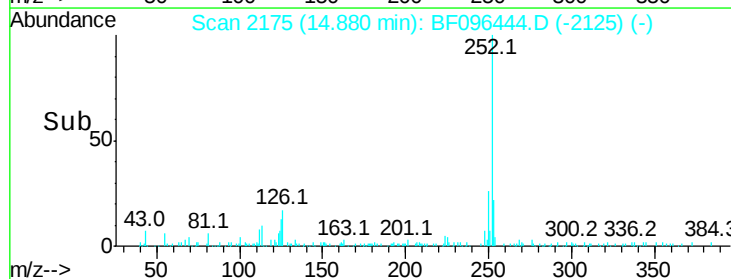
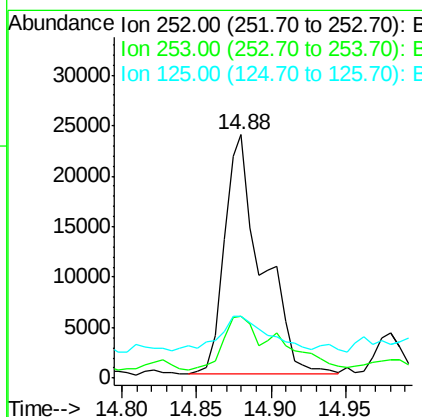
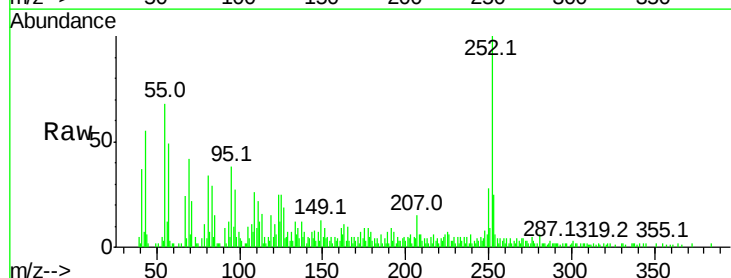
Instrument :
BNA_F
ClientSampleId :

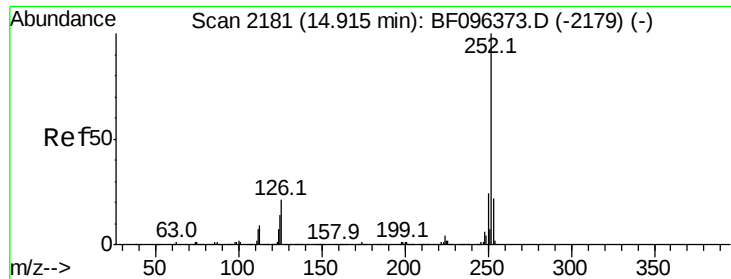
Tot Ion:264 Resp: 150929
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 22.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.37 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF096444.D
Acq: 3 Jul 2017 16:37

Tgt Ion:252 Resp: 41305
Ion Ratio Lower Upper
252 100
253 25.2 18.1 27.1
125 25.3 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 4.88 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.04 min

Lab File: BF096444.D

Acq: 3 Jul 2017 16:37

Instrument :

BNA_F

ClientSampleId :

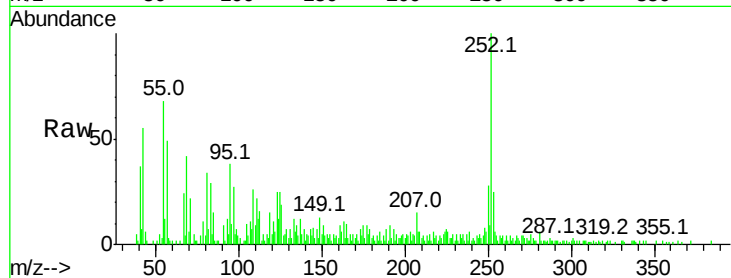
Tot Ion:252 Resp: 41305

Ion Ratio Lower Upper

252 100

253 25.2 18.4 27.6

125 25.3 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

