

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
 Data File : BF096465.D
 Acq On : 4 Jul 2017 3:42
 Operator : SJ/MA
 Sample : I3998-04
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 04:08:34 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	96129	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	361055	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	157374	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	259137	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	207033	20.00	ng	-0.01
86) Perylene-d12	15.28	264	124228	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	652022	100.11	ng	0.00
7) Phenol-d6	6.36	99	772039	96.42	ng	-0.01
23) Nitrobenzene-d5	7.29	82	396544	66.00	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	122987	100.05	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	789747	85.80	ng	-0.01
78) Terphenyl-d14	12.83	244	569796	58.81	ng	0.00

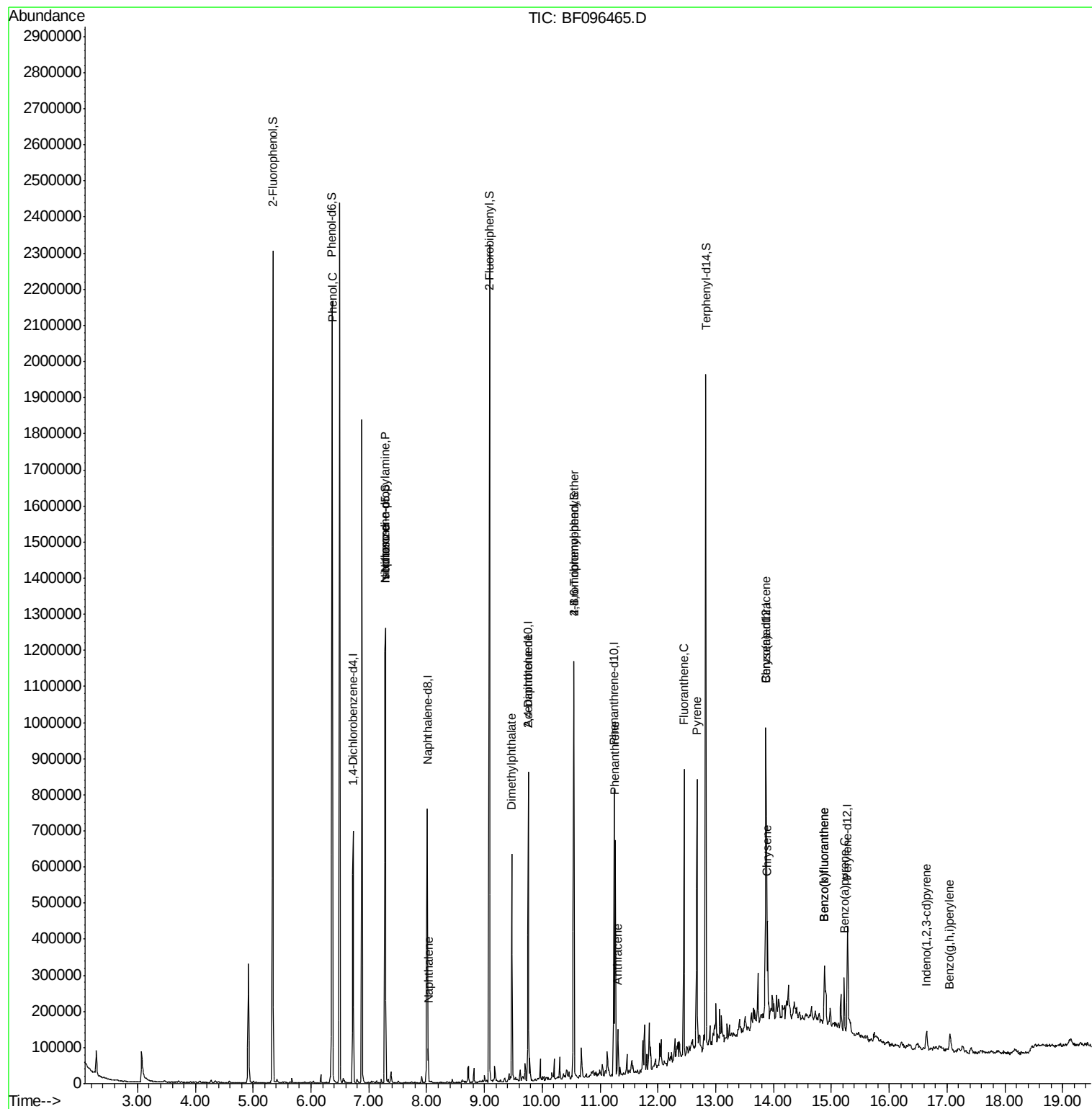
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	40067	4.39	ng	97
19) n-Nitroso-di-n-propylamine	7.29	70	52725	11.05	ng	# 86
25) Isophorone	7.29	82	394330	33.85	ng	# 67
31) Naphthalene	8.03	128	34700	2.04	ng	99
49) Dimethylphthalate	9.47	163	226550	19.28	ng	99
56) 2,4-Dinitrotoluene	9.76	165	20917	6.36	ng	# 32
66) 4-Bromophenyl-phenylether	10.55	248	7642	3.03	ng	# 1
70) Phenanthrene	11.26	178	218569	15.60	ng	98
71) Anthracene	11.31	178	41799	2.93	ng	99
74) Fluoranthene	12.45	202	315365	22.96	ng	98
77) Pyrene	12.67	202	288084	17.34	ng	99
80) Benzo(a)anthracene	13.86	228	105390	8.79	ng	97
82) Chrysene	13.90	228	104776	8.35	ng	97
85) Indeno(1,2,3-cd)pyrene	16.64	276	37002	3.73	ng	95
87) Benzo(b)fluoranthene	14.88	252	113602	14.59	ng	# 94
88) Benzo(k)fluoranthene	14.88	252	113602	16.32	ng	97
89) Benzo(a)pyrene	15.22	252	62241	8.96	ng	# 92
91) Benzo(g,h,i)perylene	17.05	276	34897	6.16	ng	97

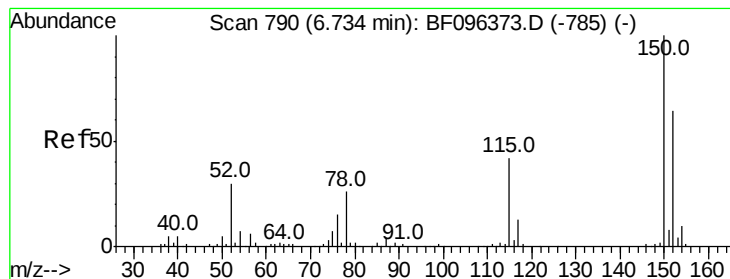
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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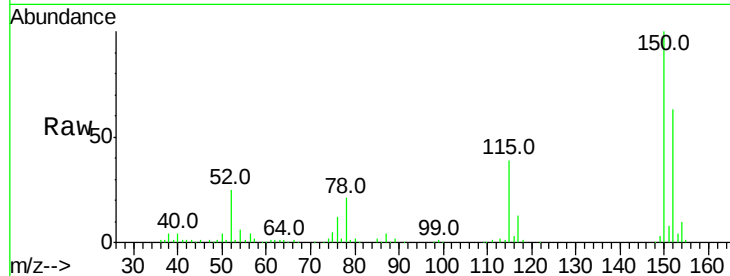


#1

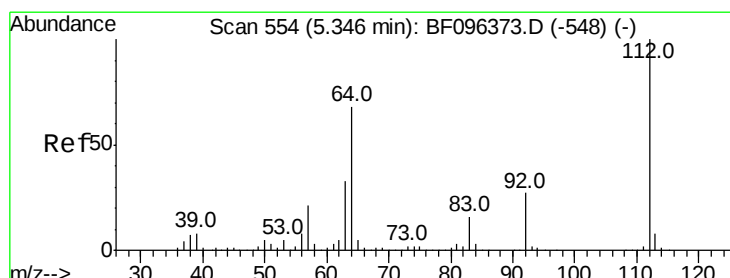
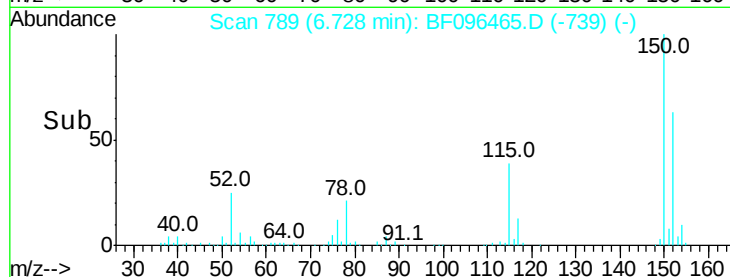
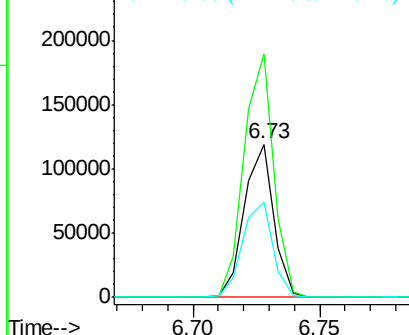
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF096465.D
Acq: 4 Jul 2017 3:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 96129
Ion Ratio Lower Upper
152 100
150 158.7 126.2 189.2
115 62.4 52.2 78.2



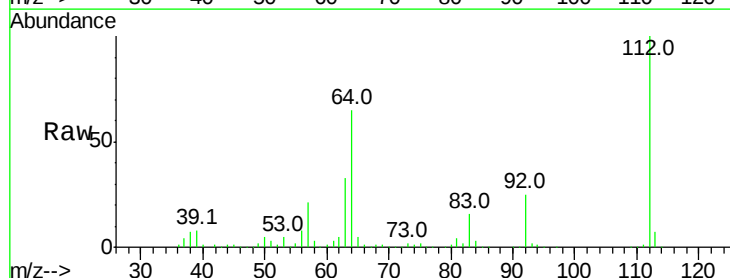
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



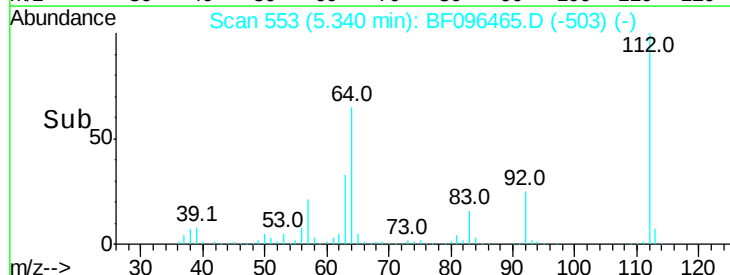
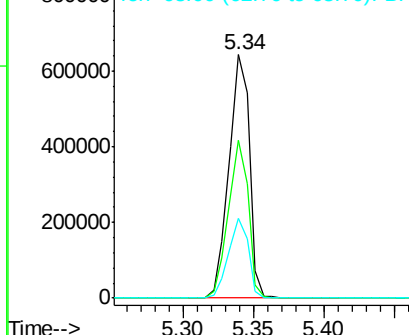
#5

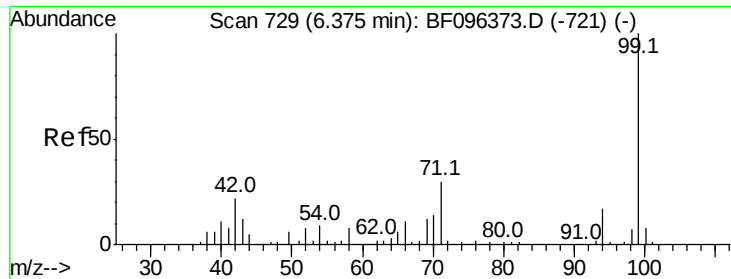
2-Fluorophenol
Concen: 100.11 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF096465.D
Acq: 4 Jul 2017 3:42

Tgt Ion:112 Resp: 652022
Ion Ratio Lower Upper
112 100
64 64.8 46.0 69.0
63 32.8 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: 96.42 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096465.D

Acq: 4 Jul 2017 3:42

Instrument :

BNA_F

ClientSampled :

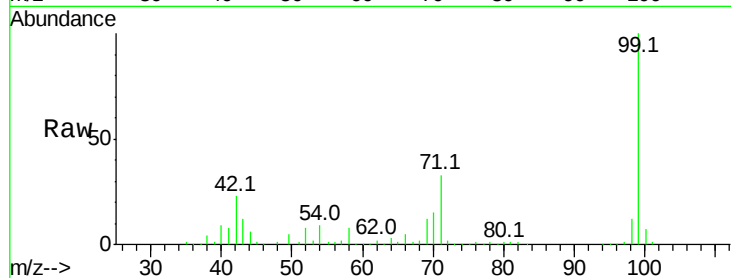
Tot Ion: 99 Resp: 772039

Ion Ratio Lower Upper

99 100

42 23.1 13.5 20.3#

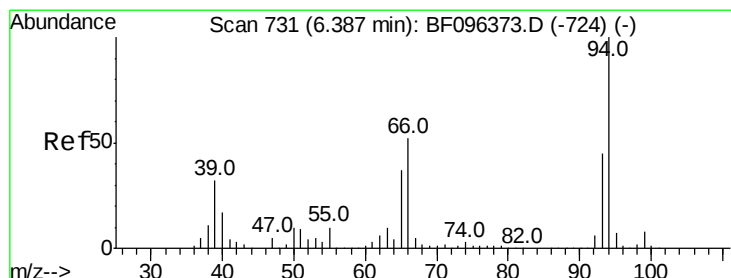
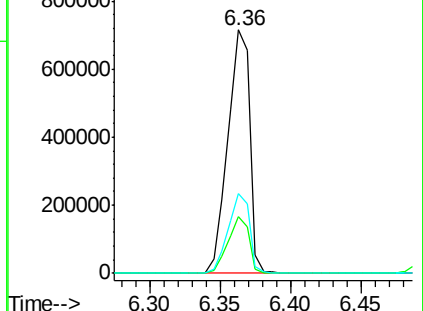
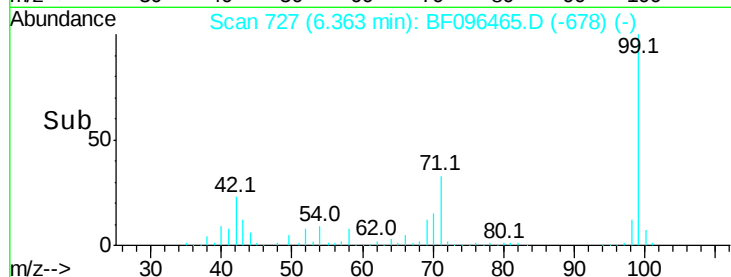
71 32.7 24.5 36.7



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: 4.39 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF096465.D

Acq: 4 Jul 2017 3:42

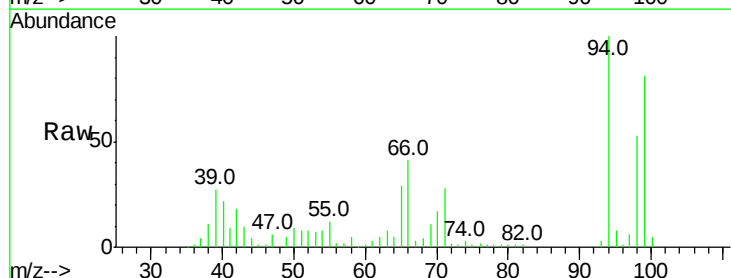
Tgt Ion: 94 Resp: 40067

Ion Ratio Lower Upper

94 100

65 29.2 9.9 49.9

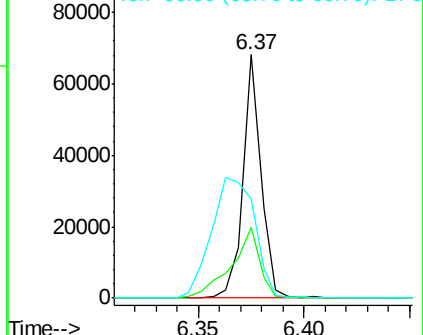
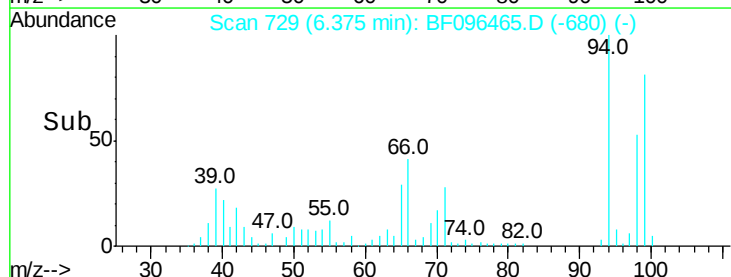
66 40.6 23.1 63.1

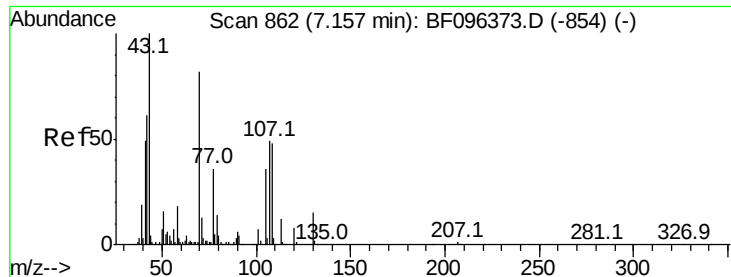


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

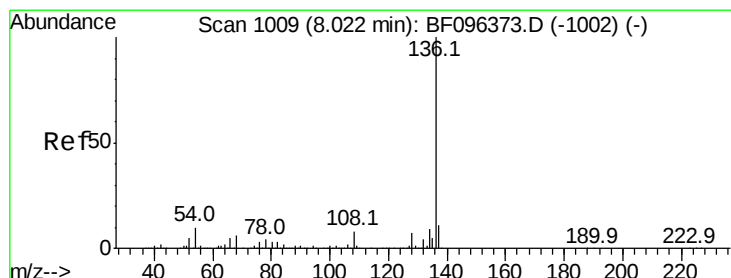
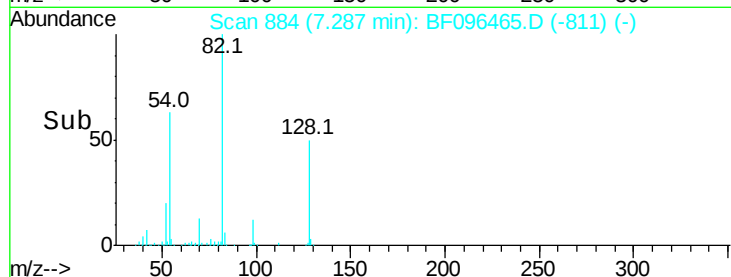
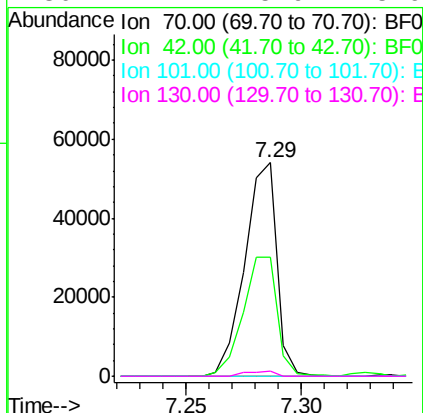
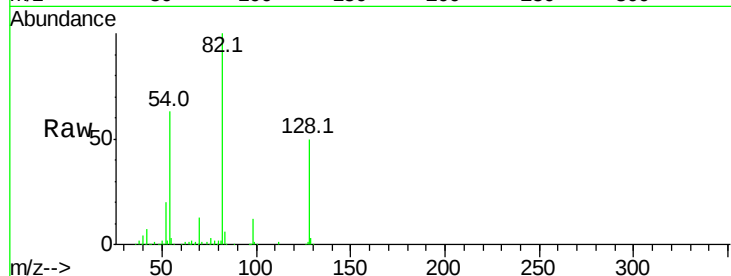




#19
 n-Nitroso-di-n-propylamine
 Concen: 11.05 ng
 RT: 7.29 min Scan# 884
 Delta R.T. 0.13 min
 Lab File: BF096465.D
 Acq: 4 Jul 2017 3:42

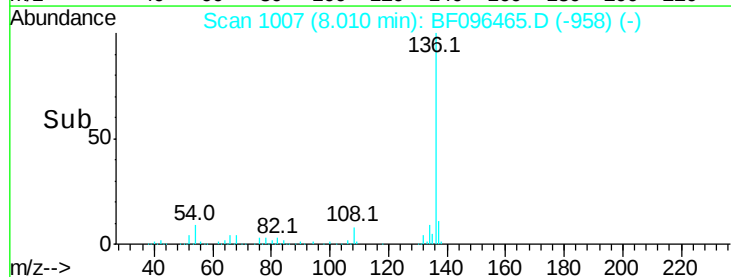
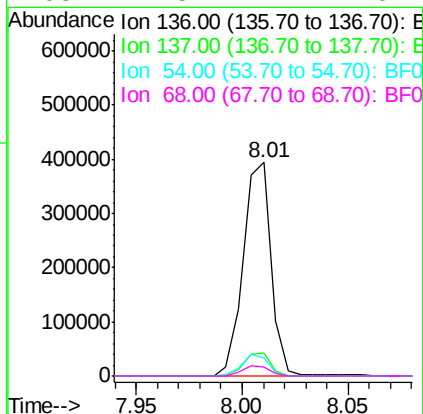
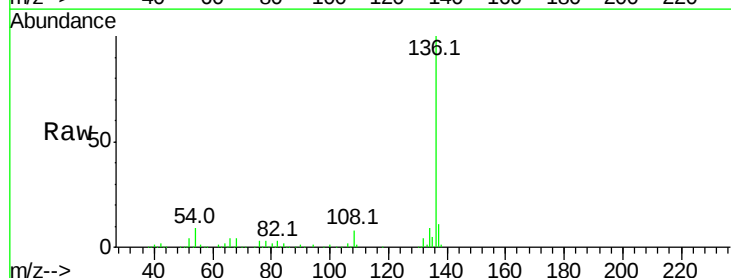
Instrument :
 BNA_F
 ClientSampleId :

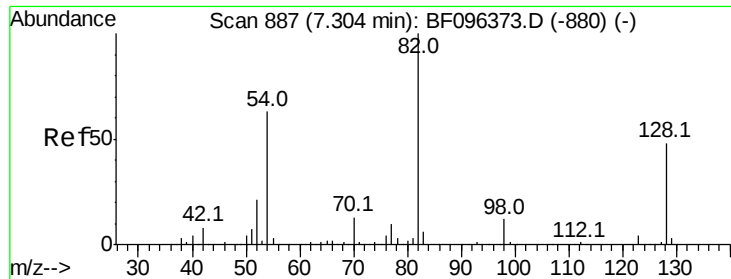
Tot Ion: 70 Resp: 52725
 Ion Ratio Lower Upper
 70 100
 42 55.7 47.2 70.8
 101 0.0 7.2 10.8#
 130 2.2 15.9 23.9#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.01 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BF096465.D
 Acq: 4 Jul 2017 3:42

Tgt Ion:136 Resp: 361055
 Ion Ratio Lower Upper
 136 100
 137 10.6 8.5 12.7
 54 8.5 4.9 7.3#
 68 4.5 4.1 6.1

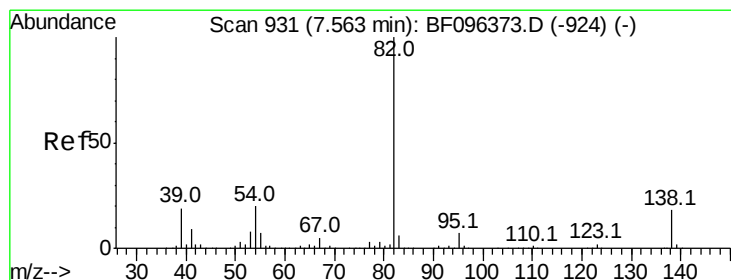
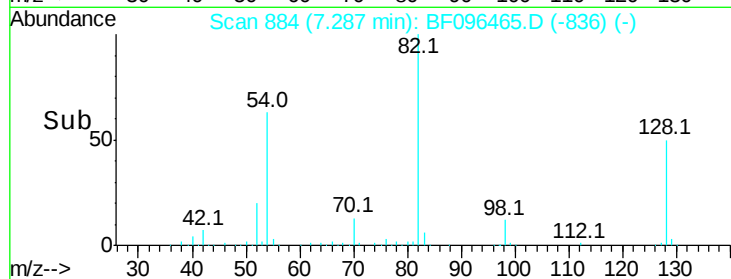
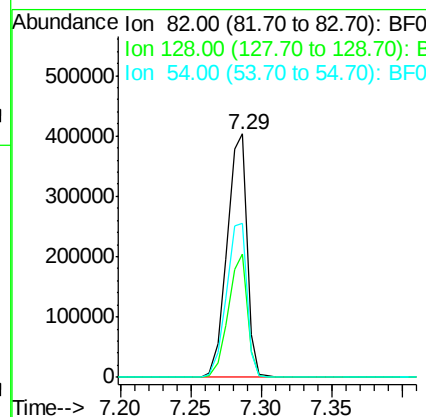
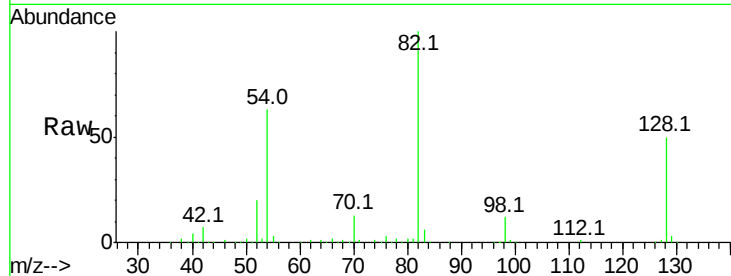




#23
 Nitrobenzene-d5
 Concen: 66.00 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.02 min
 Lab File: BF096465.D
 Acq: 4 Jul 2017 3:42

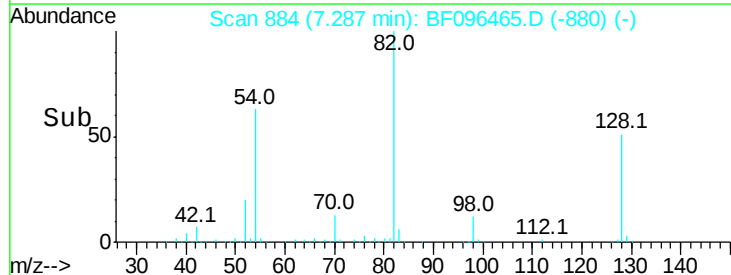
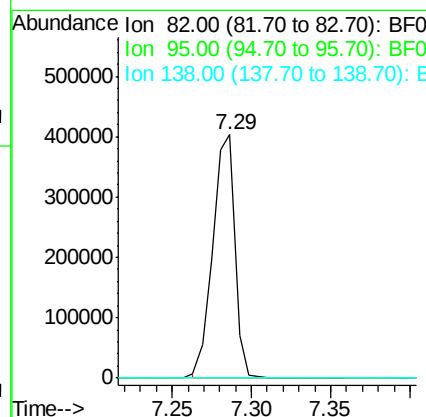
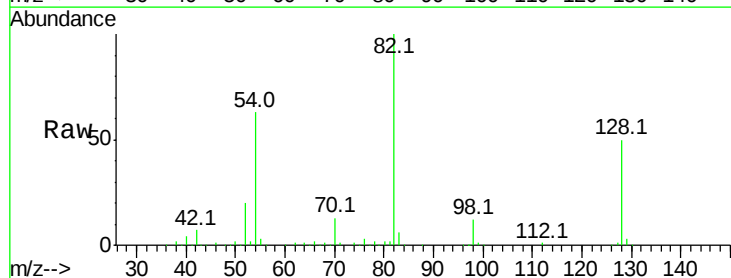
Instrument :
 BNA_F
 ClientSampleId :

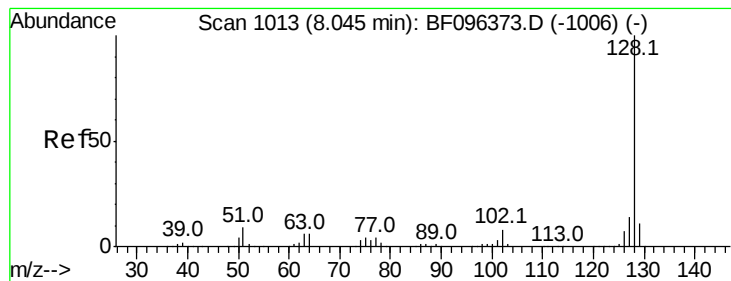
Tot Ion: 82 Resp: 396544
 Ion Ratio Lower Upper
 82 100
 128 50.4 34.0 51.0
 54 63.5 42.2 63.2#



#25
 Isophorone
 Concen: 33.85 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.28 min
 Lab File: BF096465.D
 Acq: 4 Jul 2017 3:42

Tgt Ion: 82 Resp: 394330
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#31

Naphthalene

Concen: 2.04 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.02 min

Lab File: BF096465.D

Acq: 4 Jul 2017 3:42

Instrument :

BNA_F

ClientSampleId :

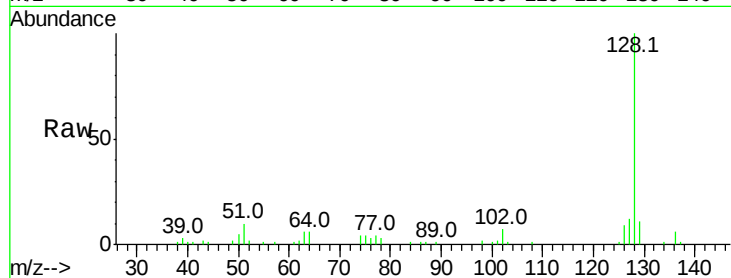
Tot Ion:128 Resp: 34700

Ion Ratio Lower Upper

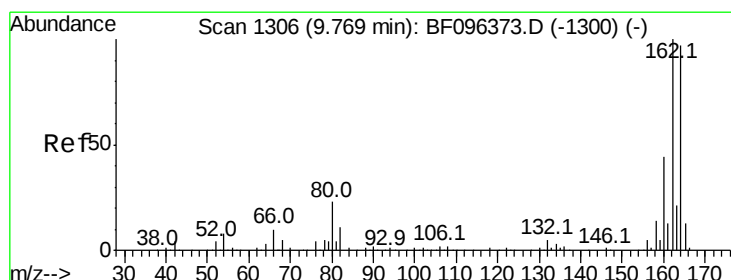
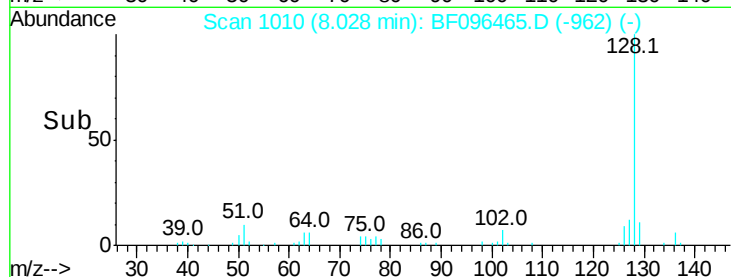
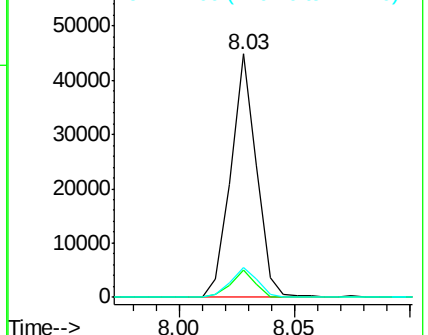
128 100

129 11.3 9.0 13.6

127 12.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF096465.D

Acq: 4 Jul 2017 3:42

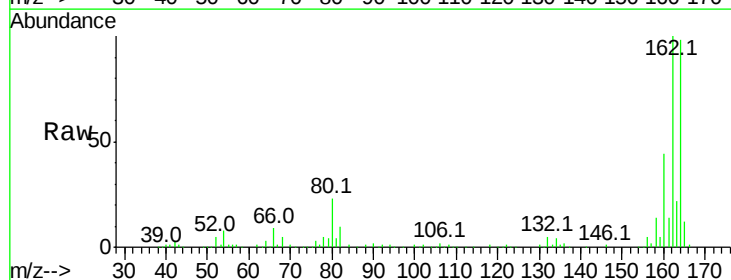
Tgt Ion:164 Resp: 157374

Ion Ratio Lower Upper

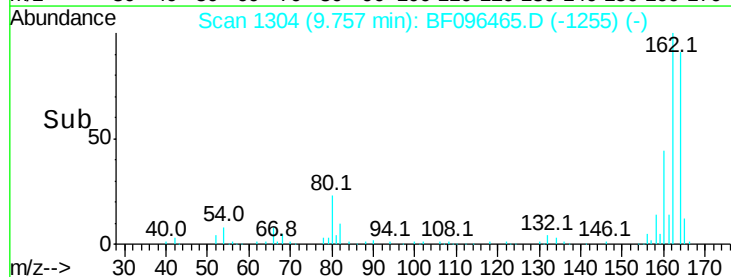
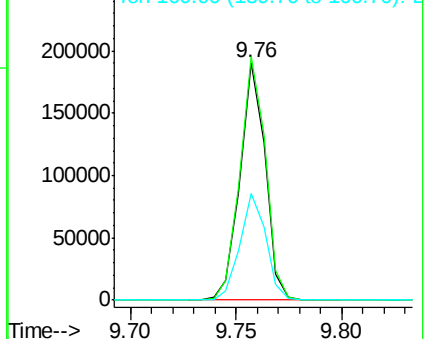
164 100

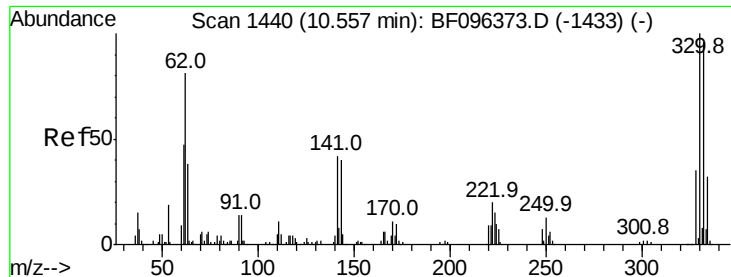
162 102.4 82.6 123.8

160 45.0 36.2 54.2



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

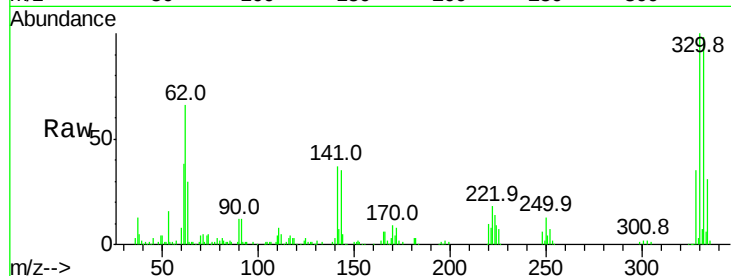




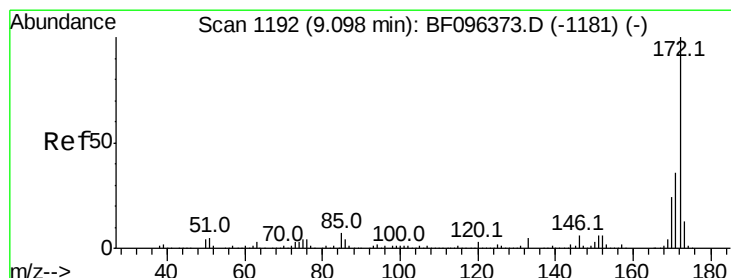
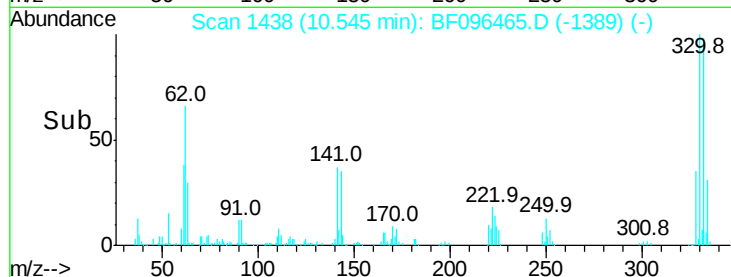
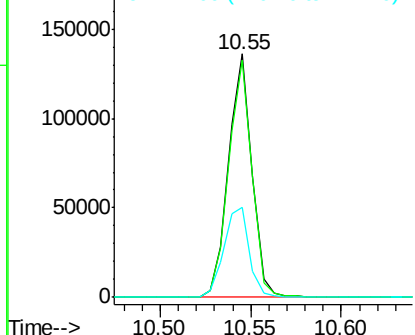
#41
 2,4,6-Tribromophenol
 Concen: 100.05 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF096465.D
 Acq: 4 Jul 2017 3:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 122987
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 115.0
 141 40.3 31.4 47.2

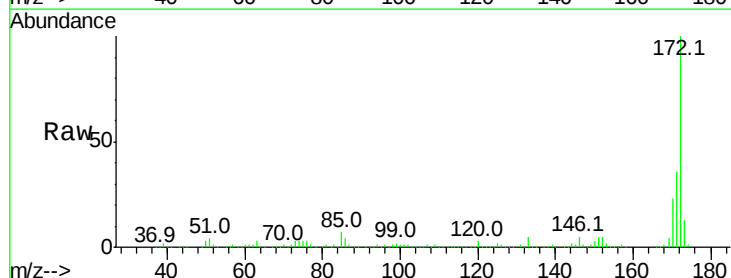


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

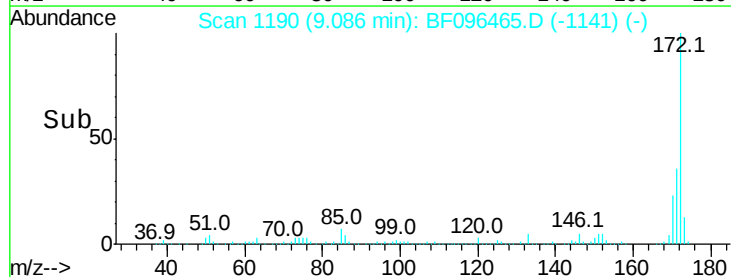
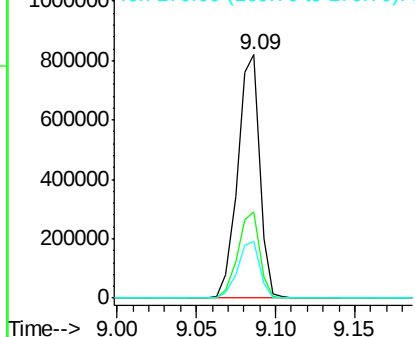


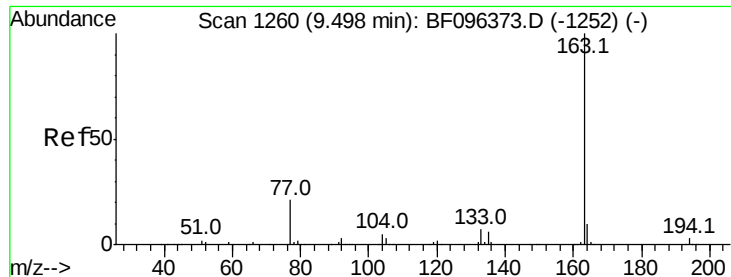
#44
 2-Fluorobiphenyl
 Concen: 85.80 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF096465.D
 Acq: 4 Jul 2017 3:42

Tgt Ion:172 Resp: 789747
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 23.4 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

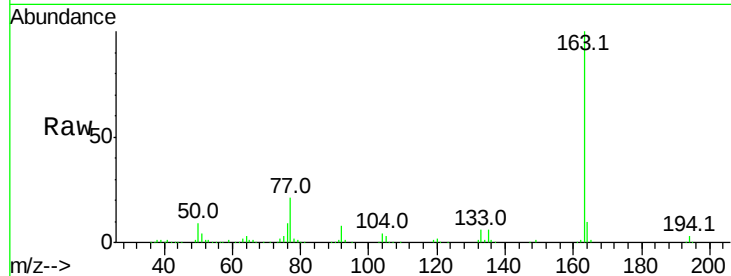




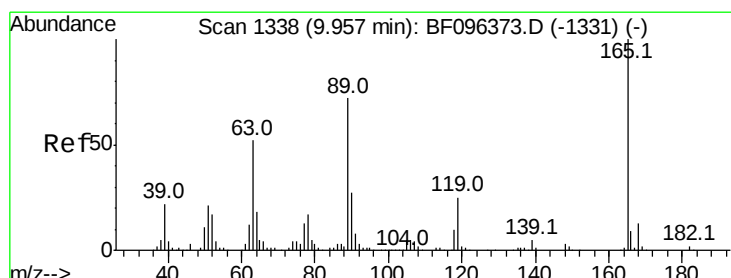
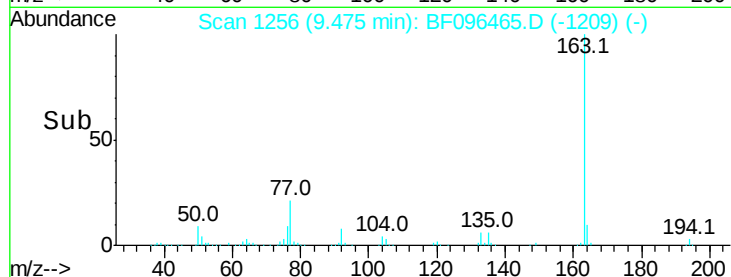
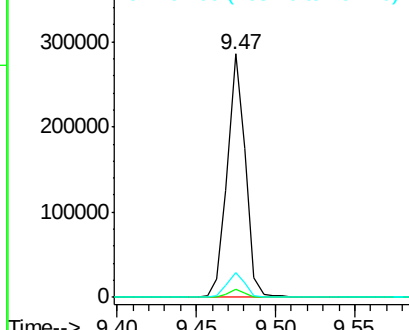
#49
Dimethylphthalate
Concen: 19.28 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF096465.D
Acq: 4 Jul 2017 3:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 226550
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.1 8.4 12.6

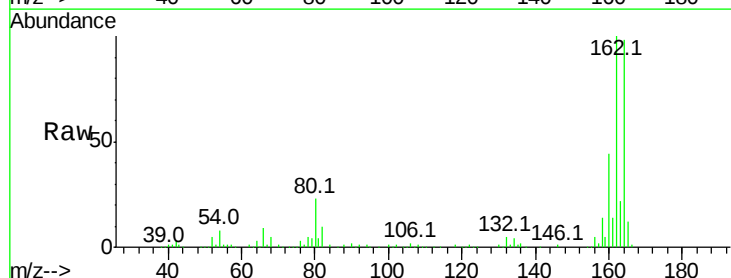


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

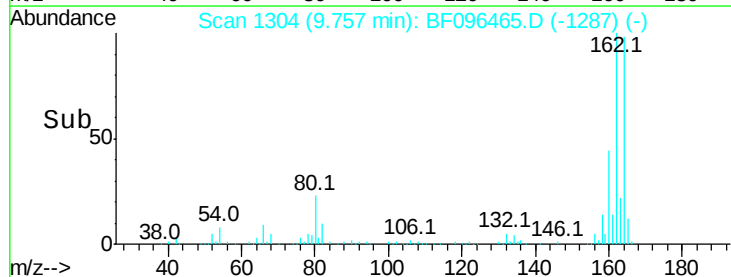
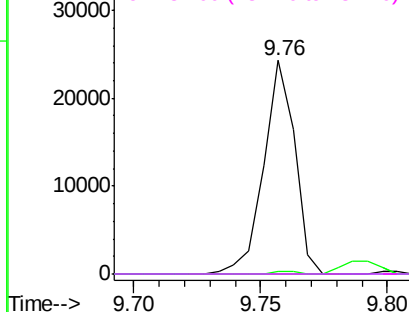


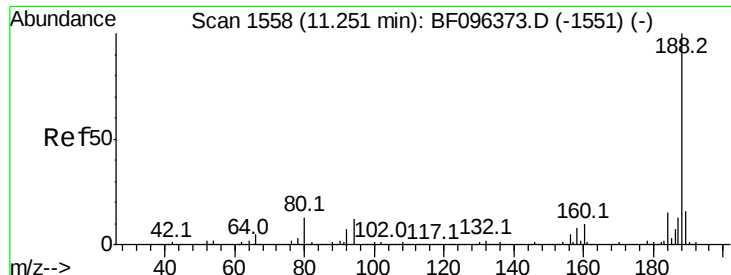
#56
2,4-Dinitrotoluene
Concen: 6.36 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.20 min
Lab File: BF096465.D
Acq: 4 Jul 2017 3:42

Tgt Ion:165 Resp: 20917
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

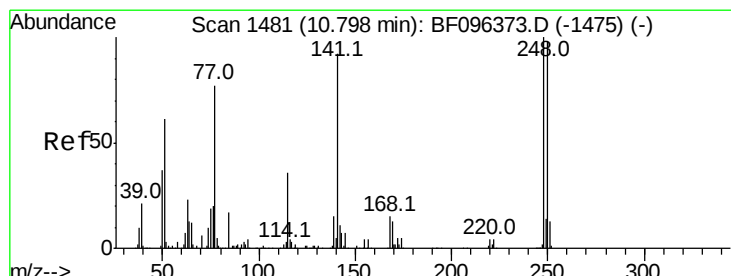
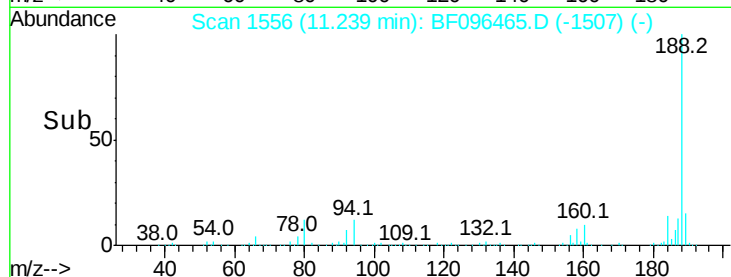
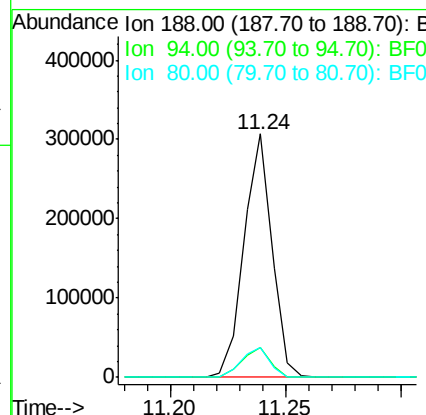
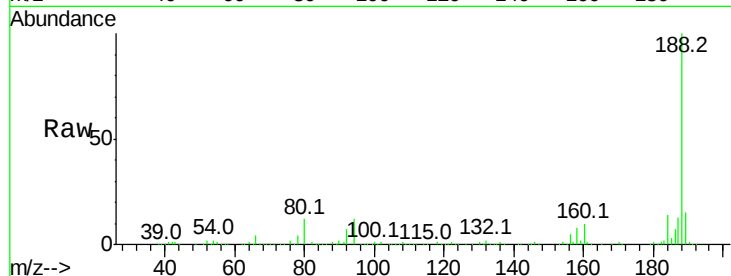




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF096465.D
 Acq: 4 Jul 2017 3:42

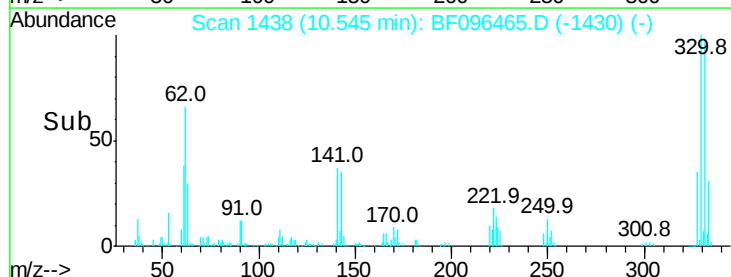
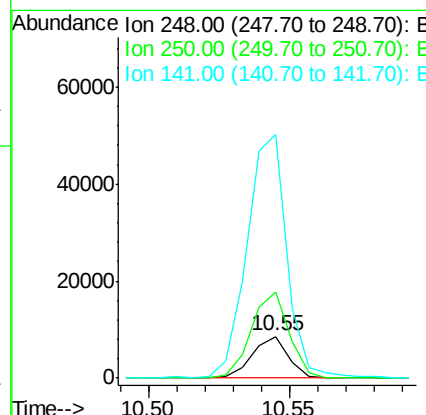
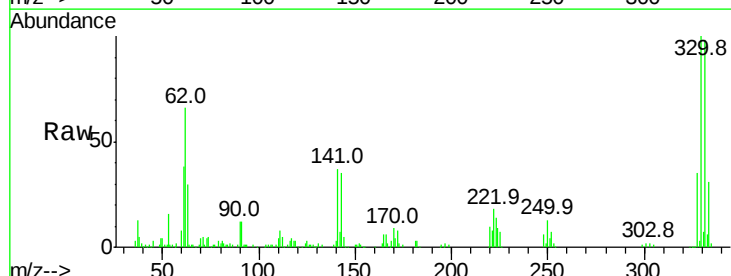
Instrument :
 BNA_F
 ClientSampleId :

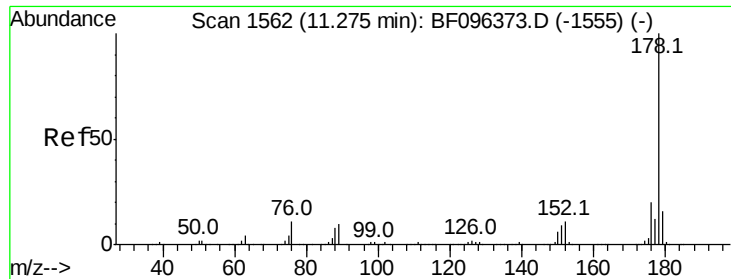
Tot Ion:188 Resp: 259137
 Ion Ratio Lower Upper
 188 100
 94 12.1 9.4 14.2
 80 12.5 10.2 15.2



#66
 4-Bromophenyl-phenylether
 Concen: 3.03 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF096465.D
 Acq: 4 Jul 2017 3:42

Tgt Ion:248 Resp: 7642
 Ion Ratio Lower Upper
 248 100
 250 208.9 76.8 115.2#
 141 586.8 68.6 103.0#

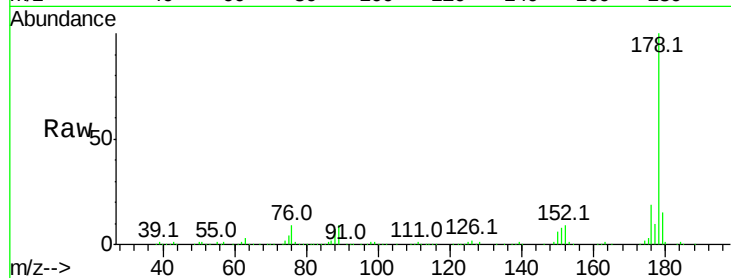




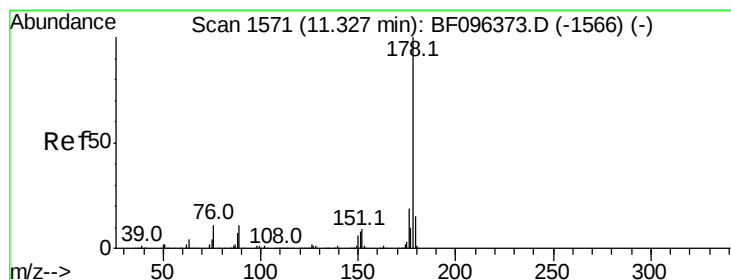
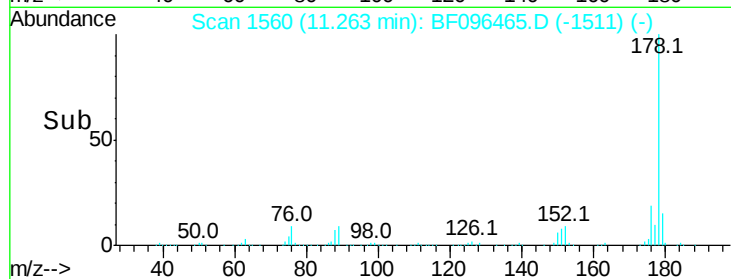
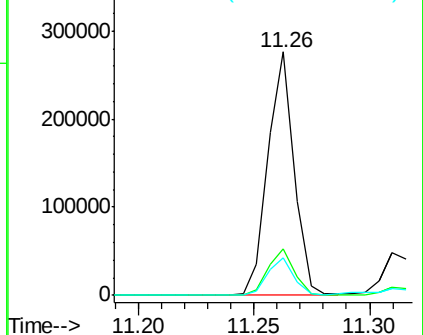
#70
 Phenanthrene
 Concen: 15.60 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF096465.D
 Acq: 4 Jul 2017 3:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 218569
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 15.2 12.6 19.0

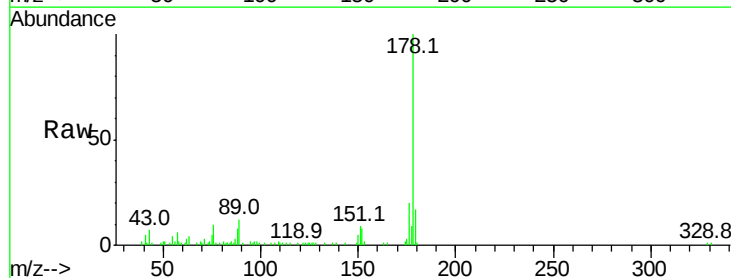


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

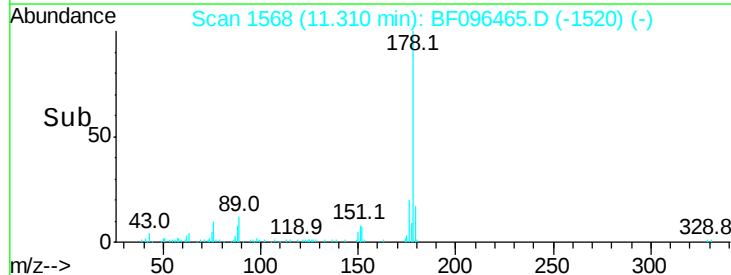
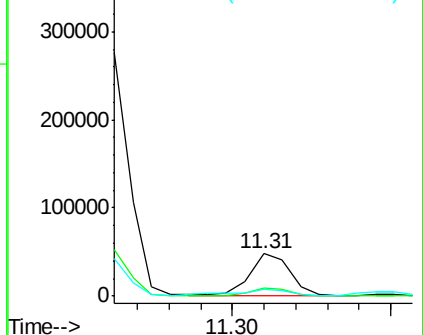


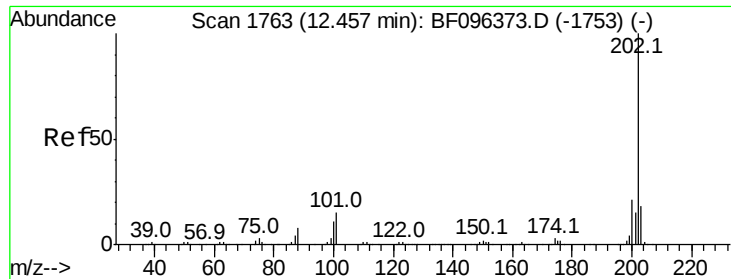
#71
 Anthracene
 Concen: 2.93 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF096465.D
 Acq: 4 Jul 2017 3:42

Tgt Ion:178 Resp: 41799
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.8
 179 17.0 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

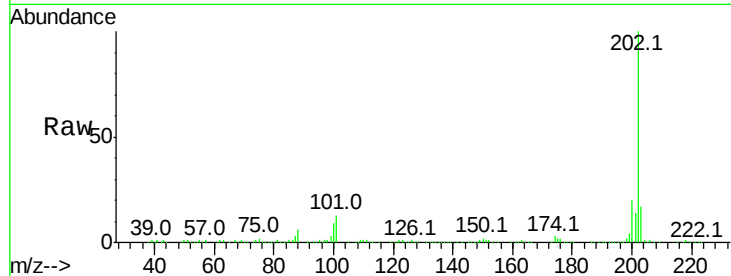




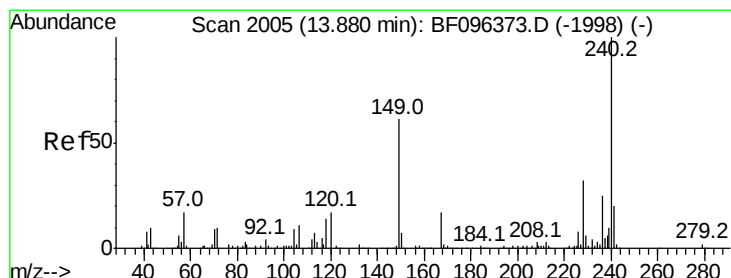
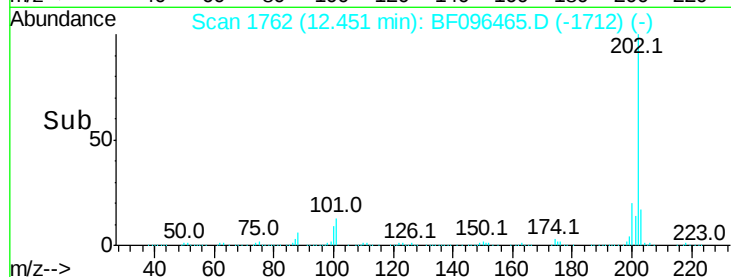
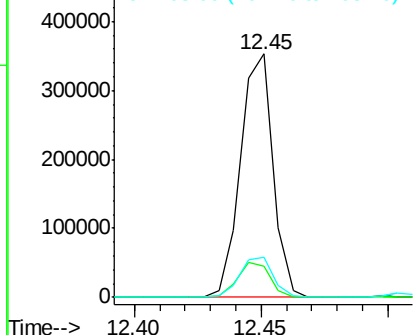
#74
Fluoranthene
Concen: 22.96 ng
RT: 12.45 min Scan# 1762
Delta R.T. -0.01 min
Lab File: BF096465.D
Acq: 4 Jul 2017 3:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 315365
Ion Ratio Lower Upper
202 100
101 12.9 0.0 33.2
203 16.5 0.0 38.1

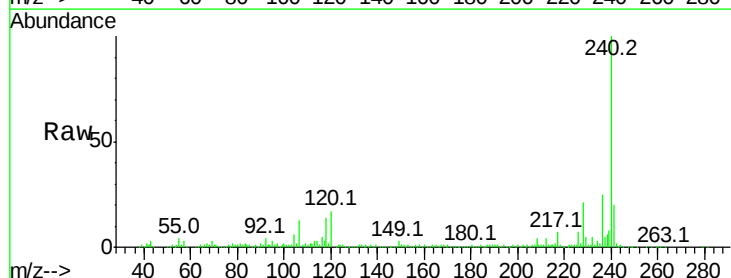


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

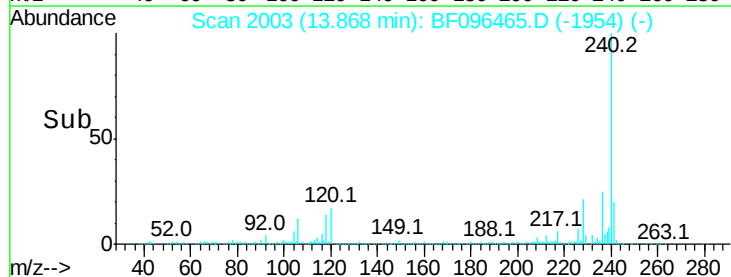
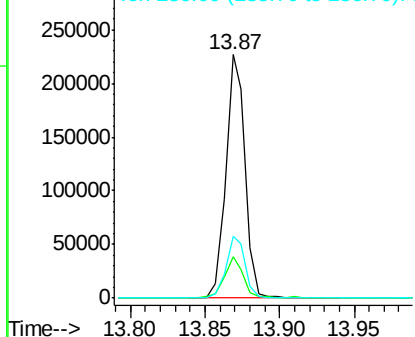


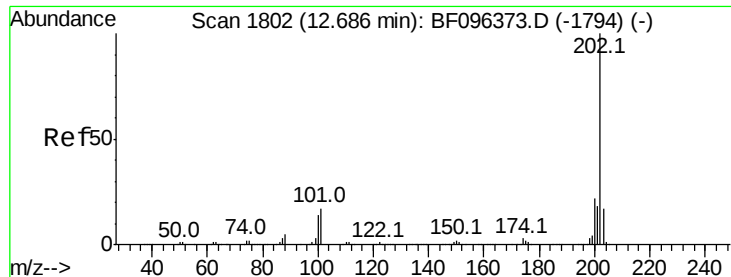
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF096465.D
Acq: 4 Jul 2017 3:42

Tgt Ion:240 Resp: 207033
Ion Ratio Lower Upper
240 100
120 17.1 5.8 8.8#
236 25.3 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: 17.34 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF096465.D

Acq: 4 Jul 2017 3:42

Instrument :

BNA_F

ClientSampleId :

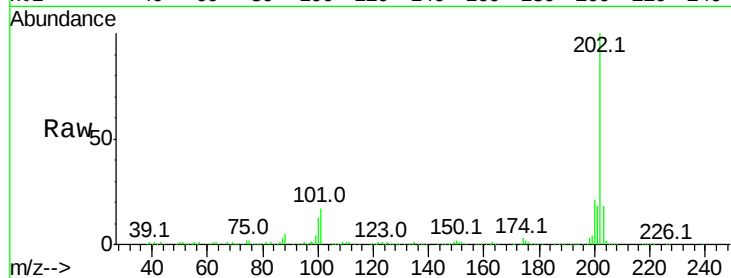
Tot Ion:202 Resp: 288084

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

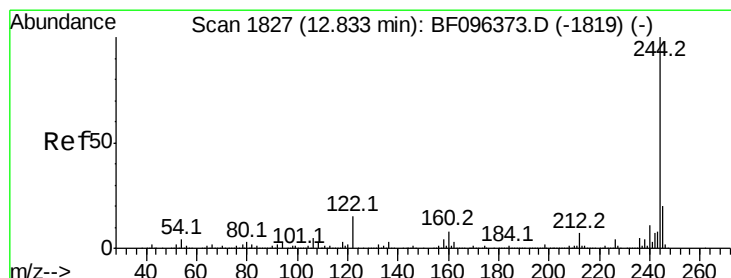
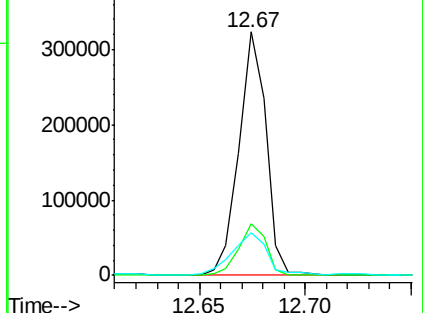
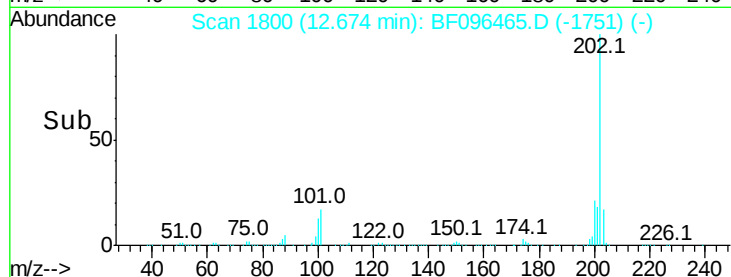
203 17.6 14.4 21.6



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: 58.81 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096465.D

Acq: 4 Jul 2017 3:42

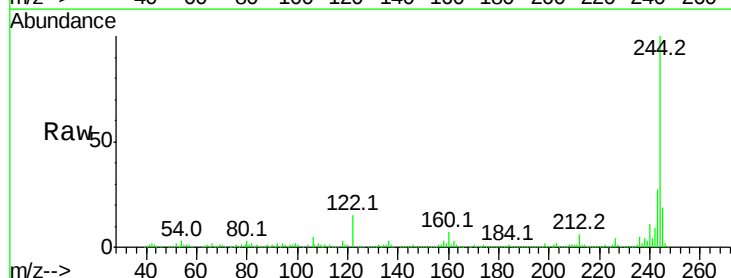
Tgt Ion:244 Resp: 569796

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

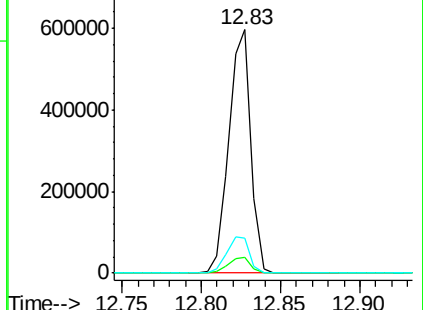
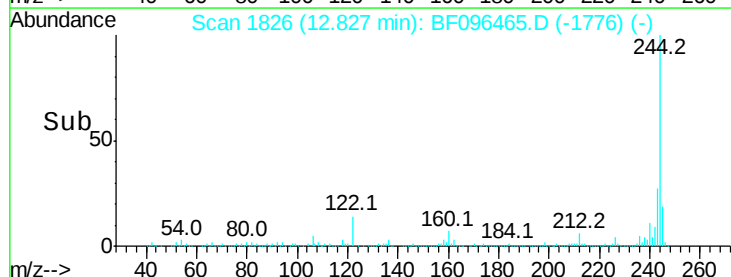
122 14.5 10.3 15.5

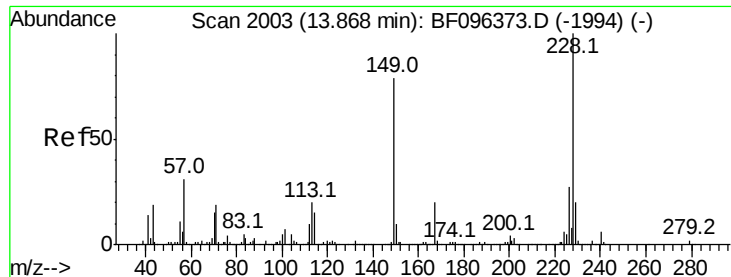


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.79 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096465.D

Acq: 4 Jul 2017 3:42

Instrument :

BNA_F

ClientSampled :

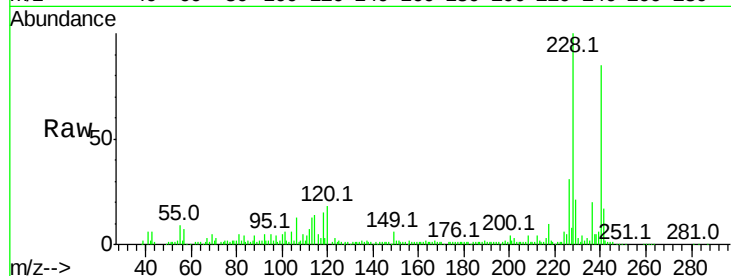
Tot Ion:228 Resp: 105390

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

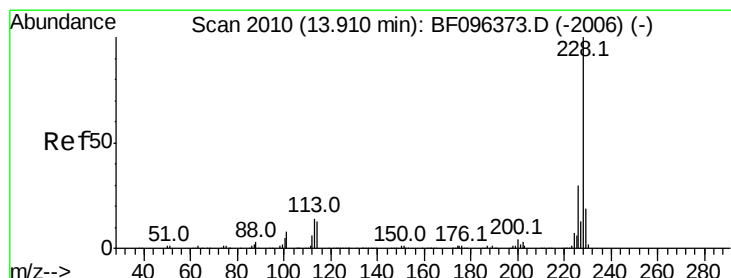
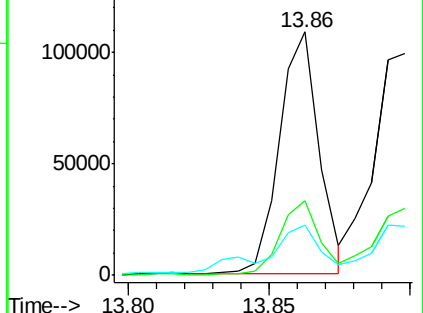
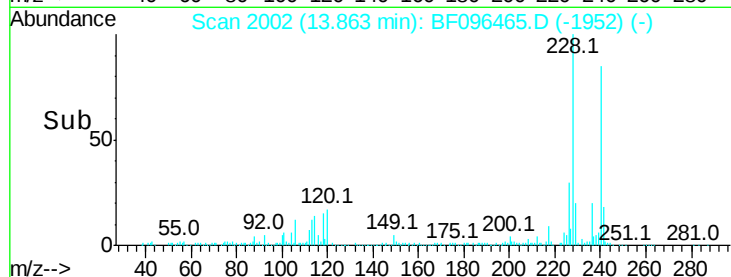
229 20.7 16.3 24.5



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: 8.35 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF096465.D

Acq: 4 Jul 2017 3:42

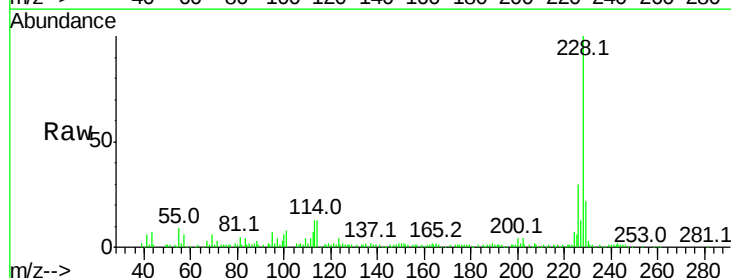
Tgt Ion:228 Resp: 104776

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

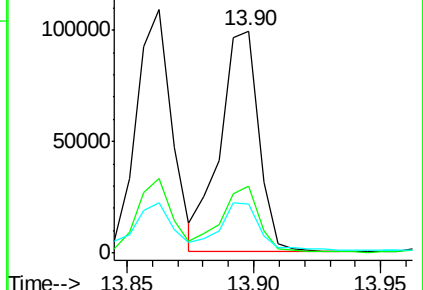
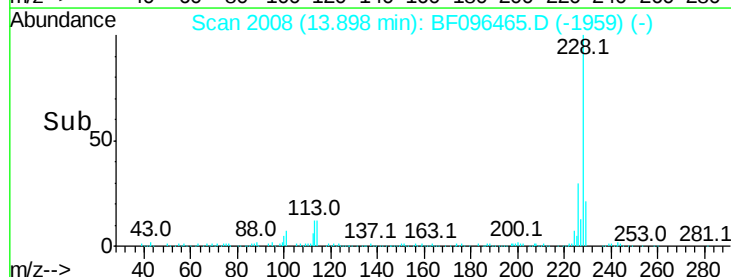
229 22.0 15.8 23.6

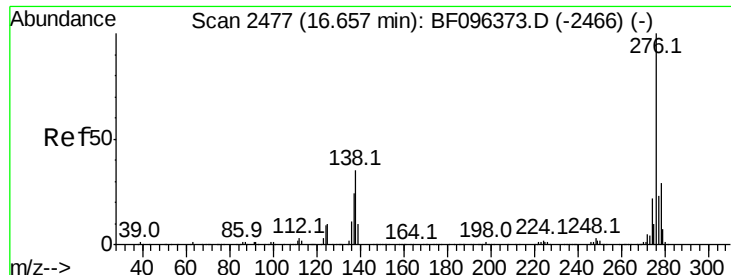


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

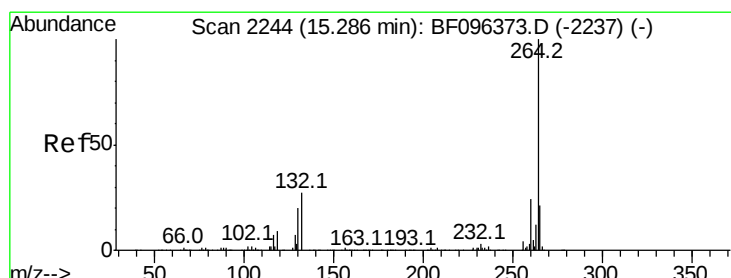
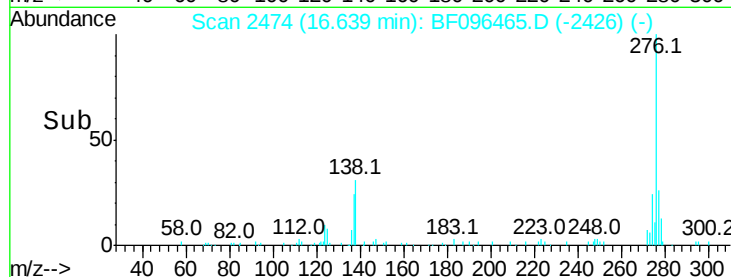
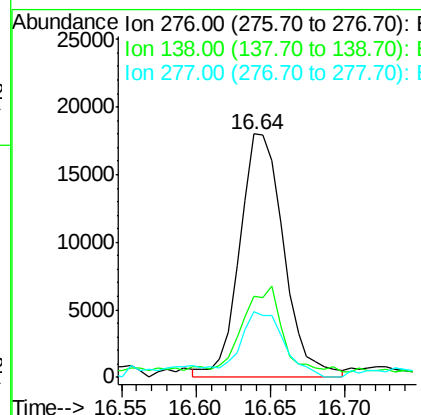
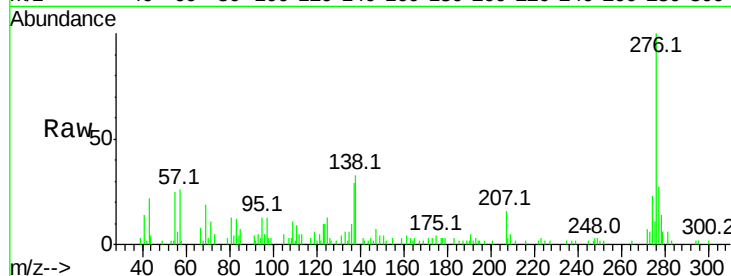




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.73 ng
RT: 16.64 min Scan# 2474
Delta R.T. -0.02 min
Lab File: BF096465.D
Acq: 4 Jul 2017 3:42

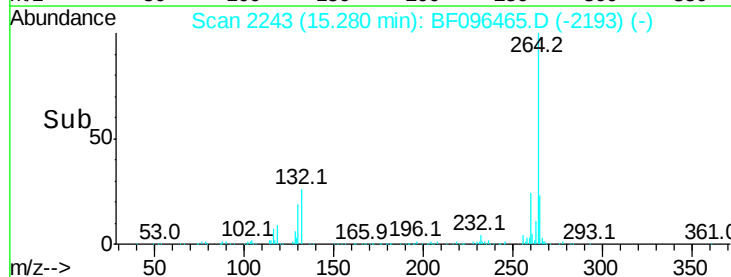
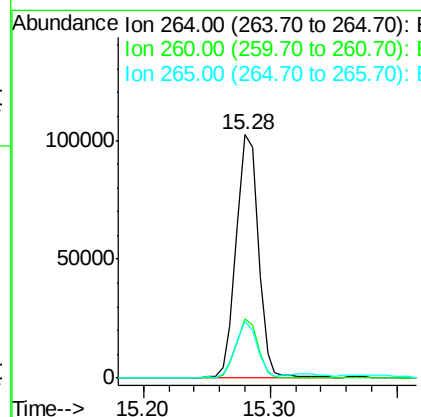
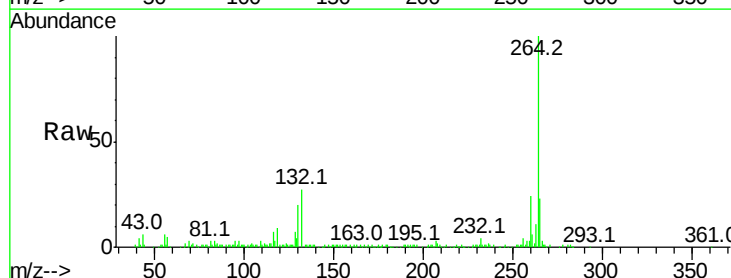
Instrument :
BNA_F
ClientSampleId :

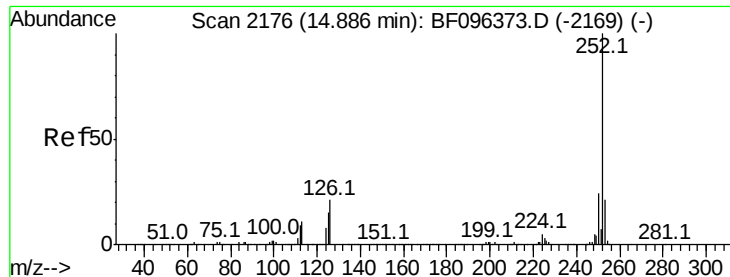
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.6	27.8	41.6
277	26.4	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF096465.D
Acq: 4 Jul 2017 3:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	23.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 14.59 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BF096465.D

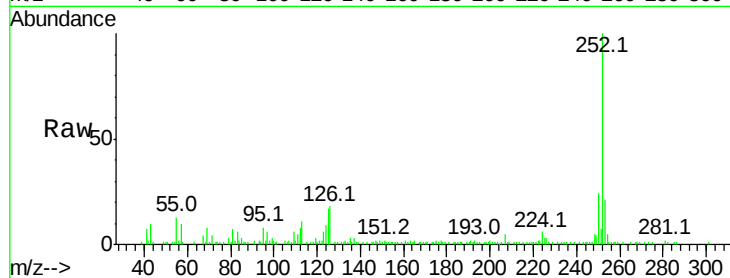
Acq: 4 Jul 2017 3:42

Instrument :

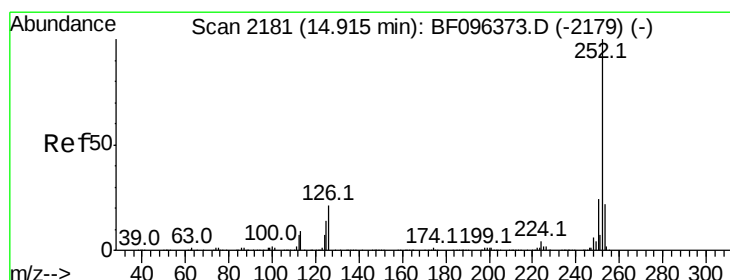
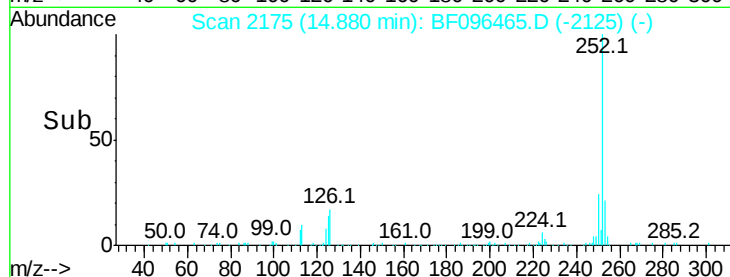
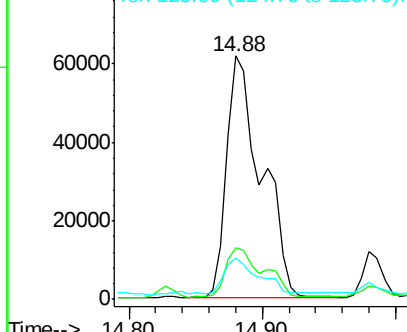
BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	113602
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.1	27.1
125	17.1	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: 16.32 ng

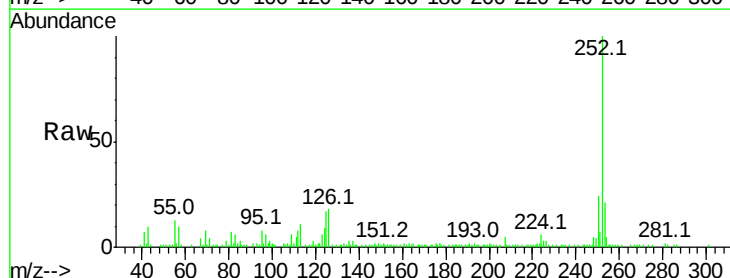
RT: 14.88 min Scan# 2175

Delta R.T. -0.04 min

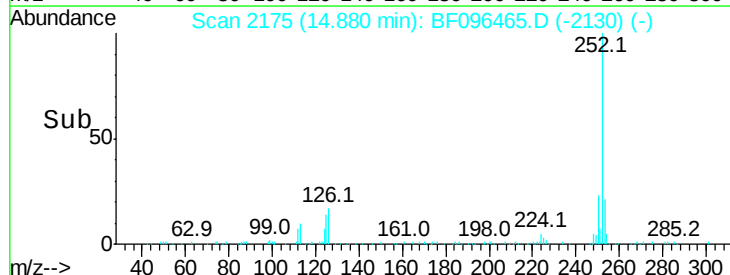
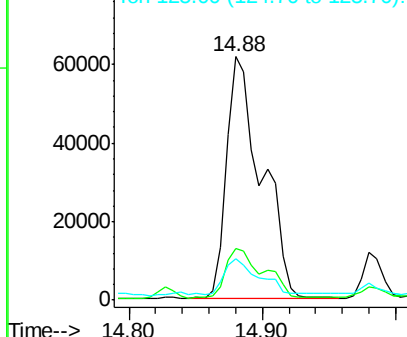
Lab File: BF096465.D

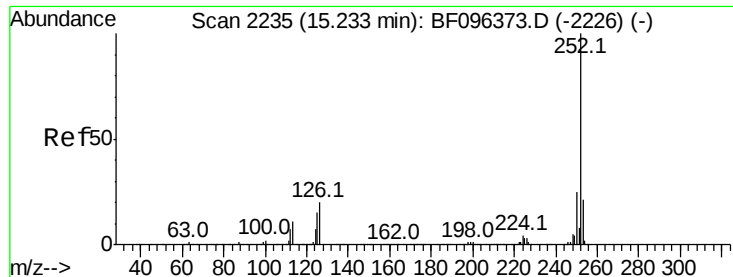
Acq: 4 Jul 2017 3:42

Tgt Ion:	252	Resp:	113602
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.4	27.6
125	17.1	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

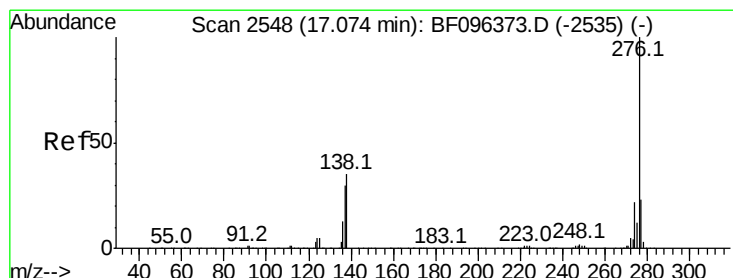
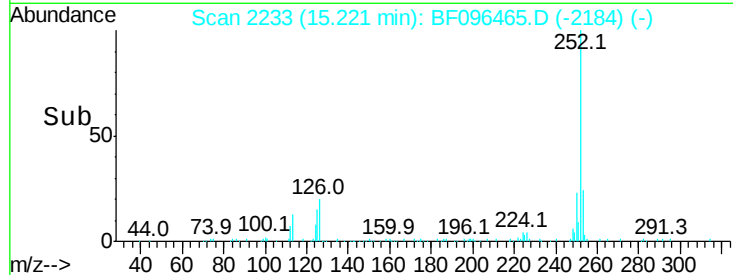
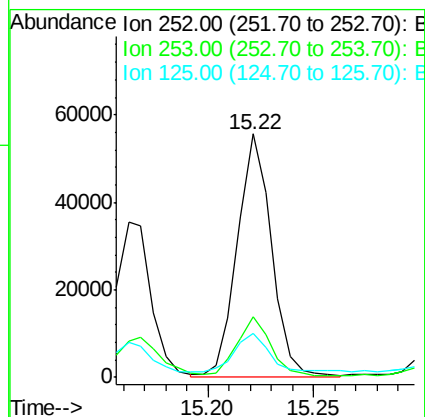
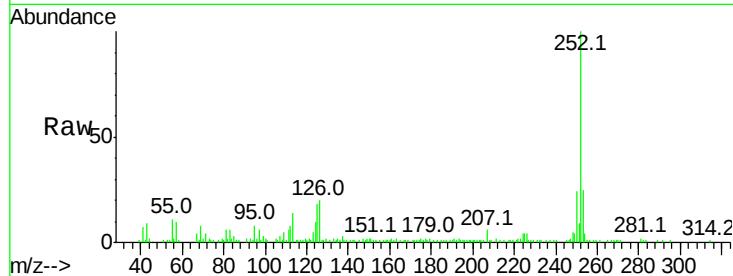




#89
Benzo(a)pyrene
Concen: 8.96 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF096465.D
Acq: 4 Jul 2017 3:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 62241
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 18.2 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 6.16 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.02 min
Lab File: BF096465.D
Acq: 4 Jul 2017 3:42

Tgt Ion:276 Resp: 34897
Ion Ratio Lower Upper
276 100
277 23.1 18.6 28.0
138 28.9 25.4 38.0

