

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096521.D
 Acq On : 6 Jul 2017 9:19
 Operator : SJ/MA
 Sample : I4029-05
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 10:59:53 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	6.72	152	97453	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	354385	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	130037	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	231712	20.00	ng	0.00
75) Chrysene-d12	13.86	240	183771	20.00	ng	0.00
86) Perylene-d12	15.27	264	128139	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	777149	117.70	ng	0.00
7) Phenol-d6	6.35	99	831446	102.43	ng	0.00
23) Nitrobenzene-d5	7.27	82	431996	73.25	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	116966	115.15	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	681896	89.66	ng	0.00
78) Terphenyl-d14	12.82	244	503405	58.53	ng	0.00

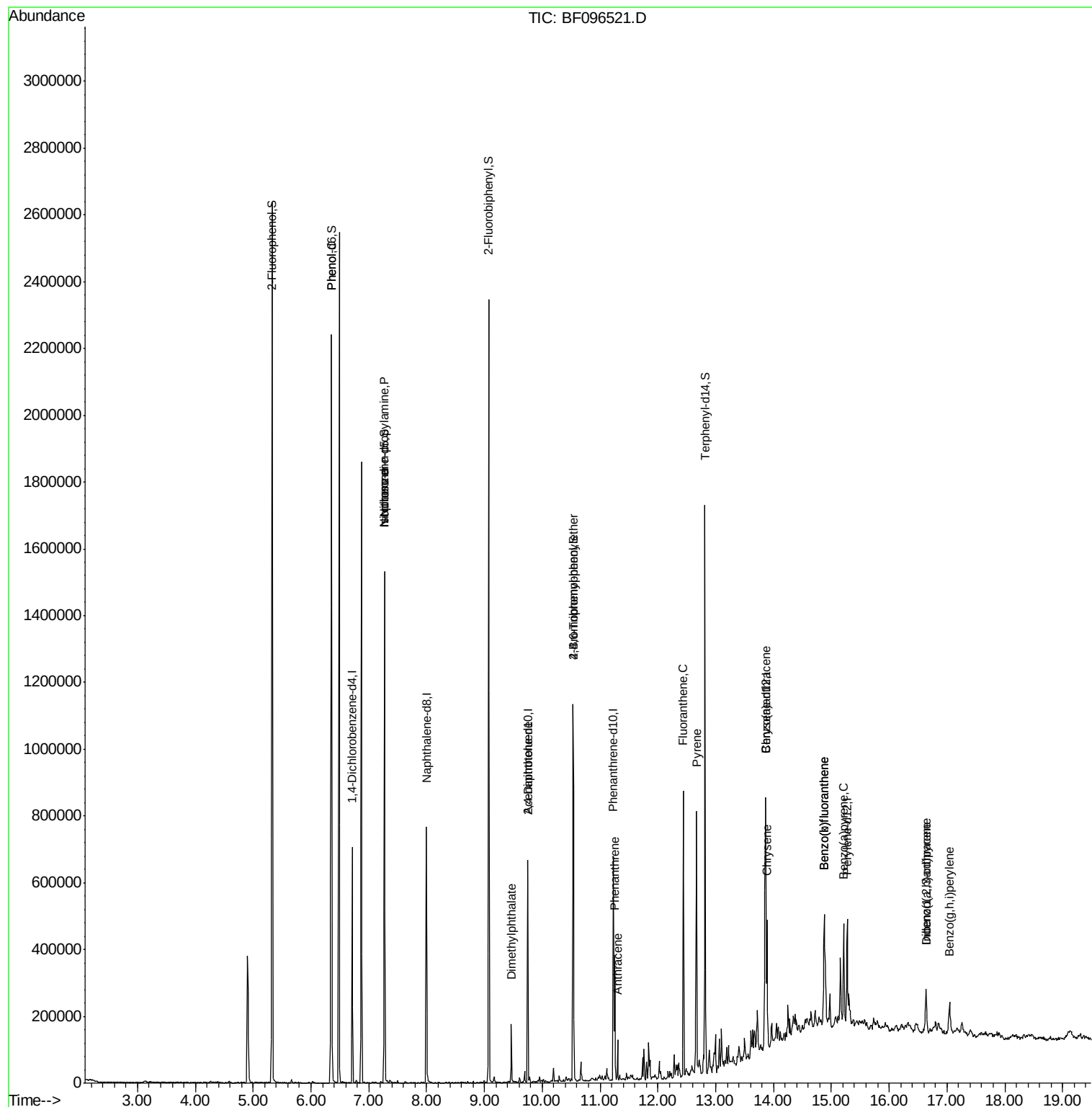
Target Compounds				Qvalue		
10) Phenol	6.36	94	39579	4.28	ng	99
19) n-Nitroso-di-n-propylamine	7.27	70	57349	11.86	ng	# 87
25) Isophorone	7.27	82	428578	37.48	ng	# 67
49) Dimethylphthalate	9.46	163	69678	7.18	ng	99
56) 2,4-Dinitrotoluene	9.75	165	17015	6.26	ng	# 31
66) 4-Bromophenyl-phenylether	10.53	248	7853	3.48	ng	# 1
70) Phenanthrene	11.25	178	126642	10.11	ng	98
71) Anthracene	11.30	178	40194	3.15	ng	97
74) Fluoranthene	12.44	202	316297	25.76	ng	99
77) Pyrene	12.67	202	302053	20.48	ng	100
80) Benzo(a)anthracene	13.86	228	176342	16.57	ng	100
82) Chrysene	13.89	228	157683	14.15	ng	97
85) Indeno(1,2,3-cd)pyrene	16.64	276	74052	8.42	ng	95
87) Benzo(b)fluoranthene	14.88	252	239499	29.83	ng	96
88) Benzo(k)fluoranthene	14.88	252	239499	33.35	ng	96
89) Benzo(a)pyrene	15.22	252	127691	17.81	ng	95
90) Dibenzo(a,h)anthracene	16.64	278	18563	3.29	ng	# 84
91) Benzo(g,h,i)perylene	17.04	276	69317	11.86	ng	96

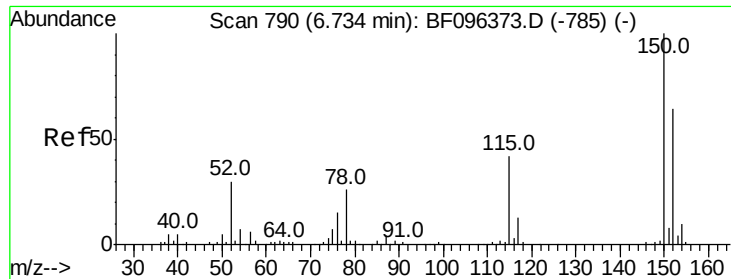
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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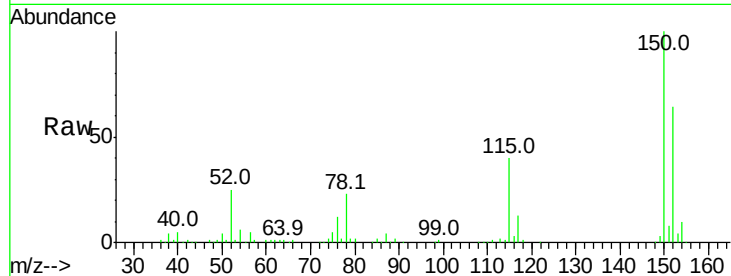


#1

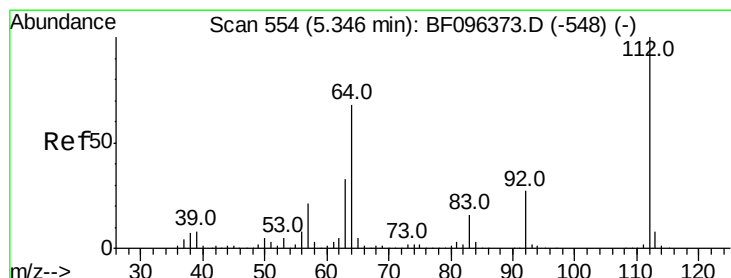
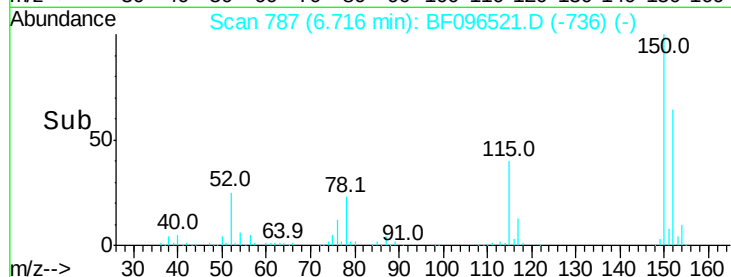
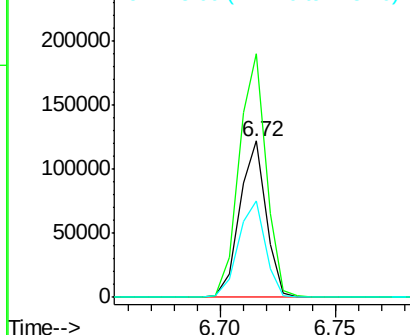
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF096521.D
Acq: 6 Jul 2017 9:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 97453
Ion Ratio Lower Upper
152 100
150 155.7 126.2 189.2
115 61.9 52.2 78.2



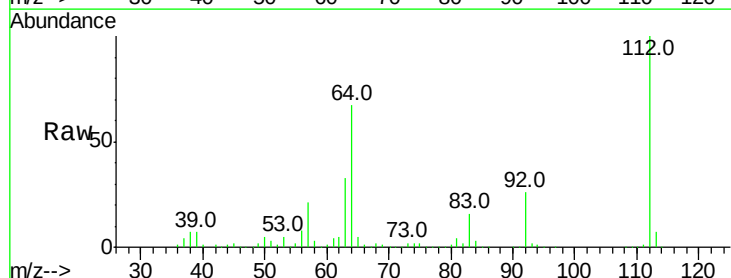
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



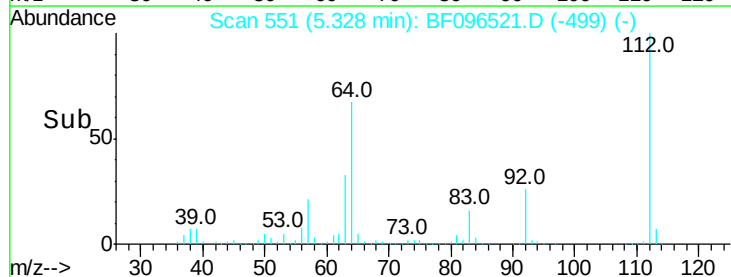
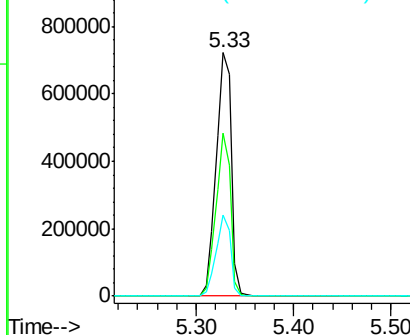
#5

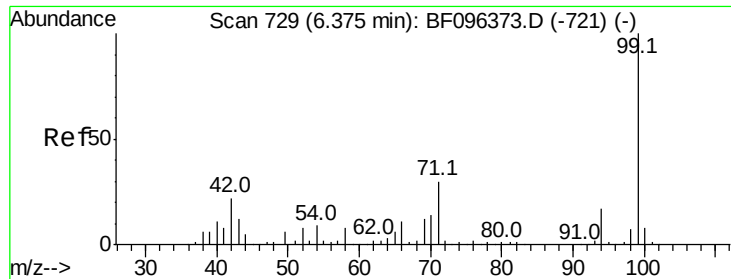
2-Fluorophenol
Concen: 117.70 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF096521.D
Acq: 6 Jul 2017 9:19

Tgt Ion:112 Resp: 777149
Ion Ratio Lower Upper
112 100
64 66.9 46.0 69.0
63 33.4 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.43 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096521.D

Acq: 6 Jul 2017 9:19

Instrument :

BNA_F

ClientSampled :

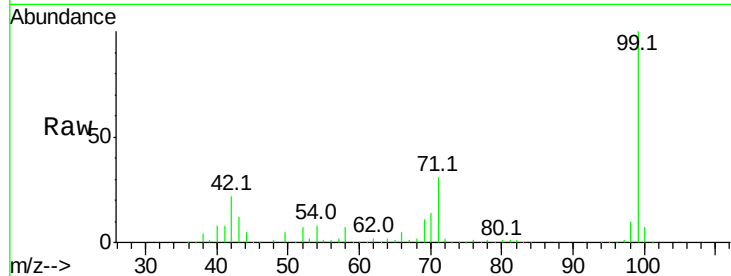
Tot Ion: 99 Resp: 831446

Ion Ratio Lower Upper

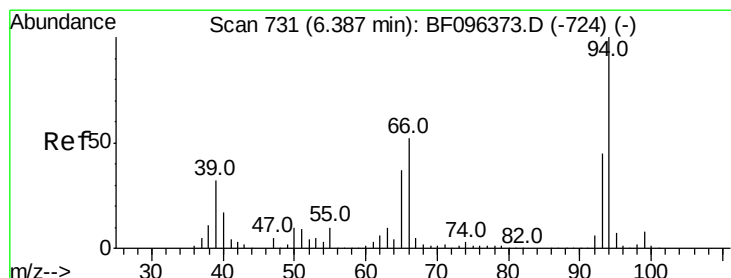
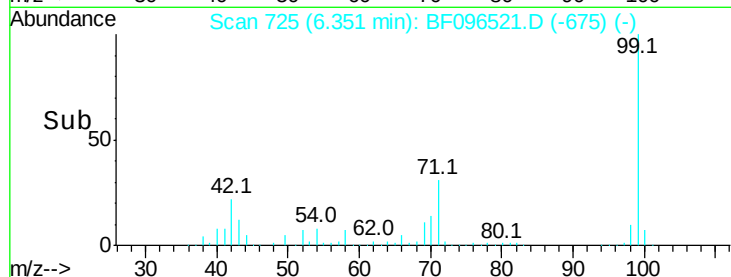
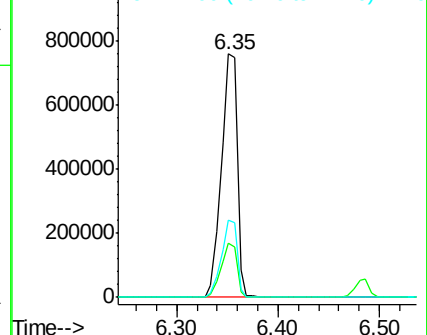
99 100

42 22.4 13.5 20.3#

71 31.5 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



#10

Phenol

Concen: 4.28 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096521.D

Acq: 6 Jul 2017 9:19

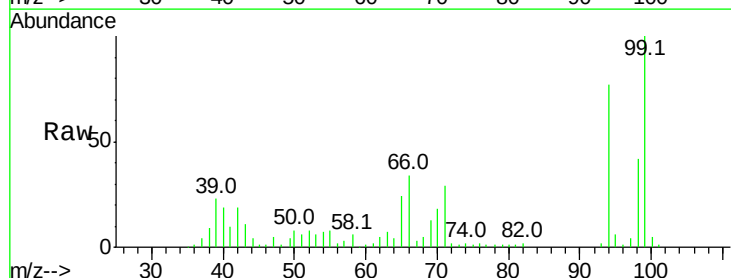
Tgt Ion: 94 Resp: 39579

Ion Ratio Lower Upper

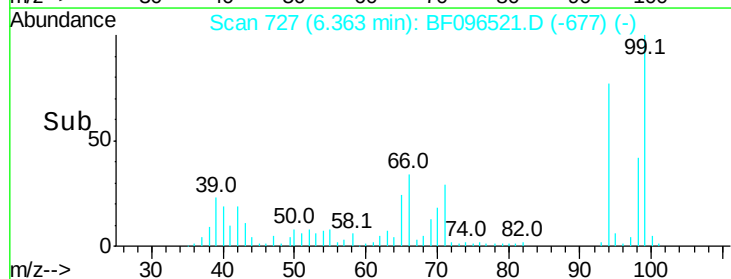
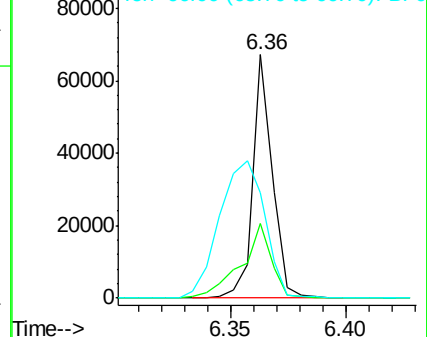
94 100

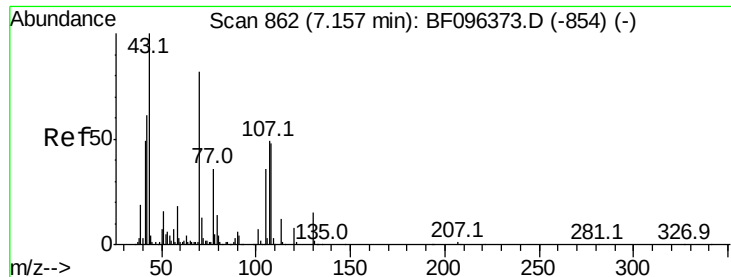
65 30.5 9.9 49.9

66 43.5 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

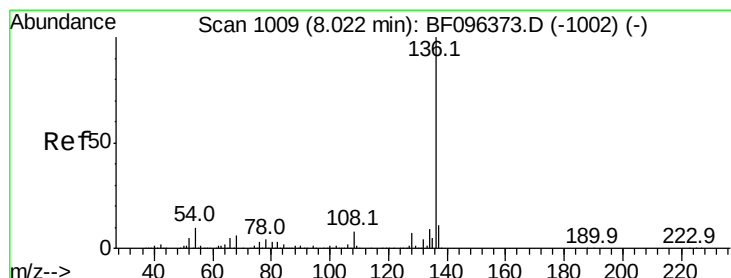
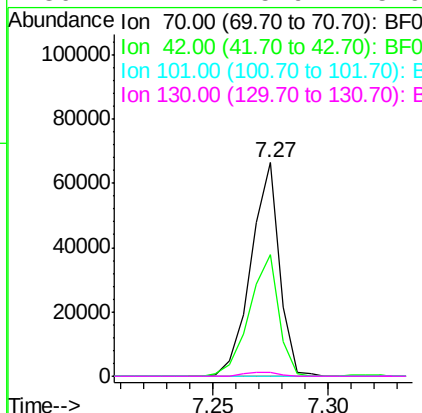
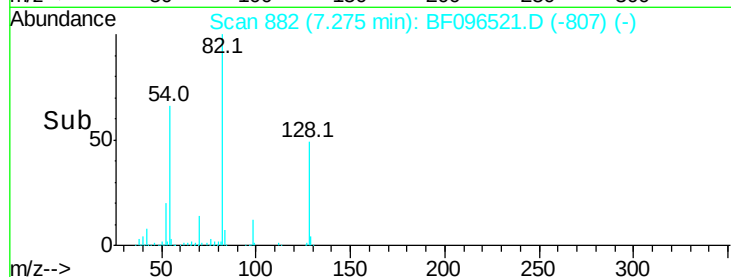
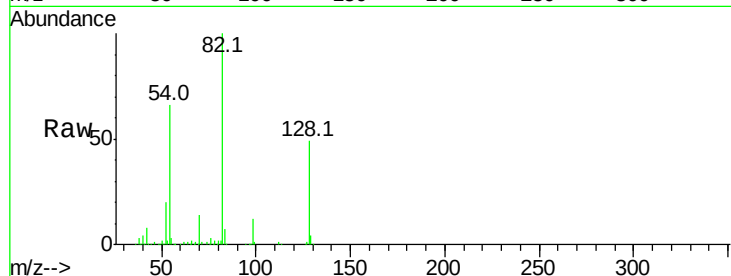




#19
 n-Nitroso-di-n-propylamine
 Concen: 11.86 ng
 RT: 7.27 min Scan# 882
 Delta R.T. 0.14 min
 Lab File: BF096521.D
 Acq: 6 Jul 2017 9:19

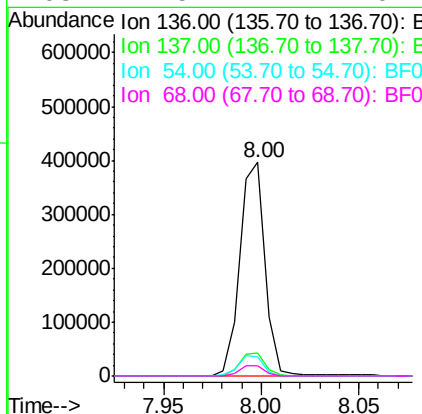
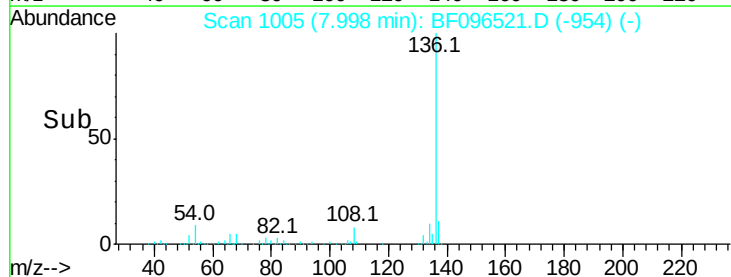
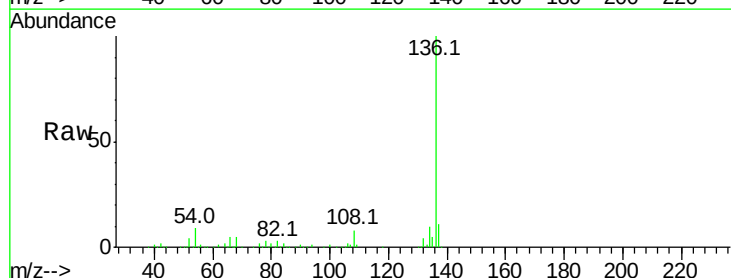
Instrument :
 BNA_F
 ClientSampleId :

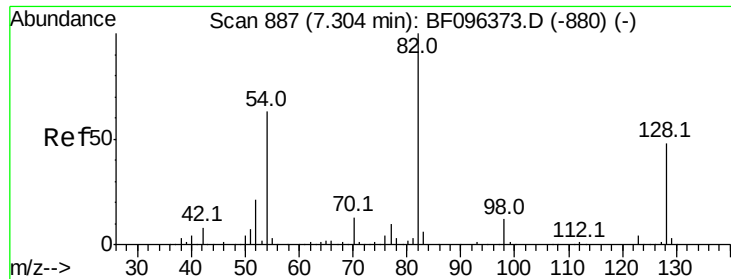
Tot Ion: 70 Resp: 57349
 Ion Ratio Lower Upper
 70 100
 42 56.8 47.2 70.8
 101 0.0 7.2 10.8#
 130 2.1 15.9 23.9#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.00 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BF096521.D
 Acq: 6 Jul 2017 9:19

Tgt Ion:136 Resp: 354385
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.5 12.7
 54 8.8 4.9 7.3#
 68 4.5 4.1 6.1

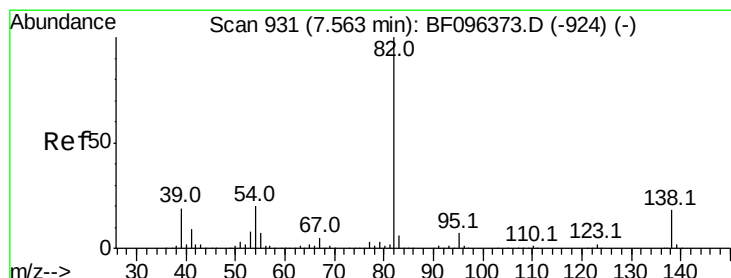
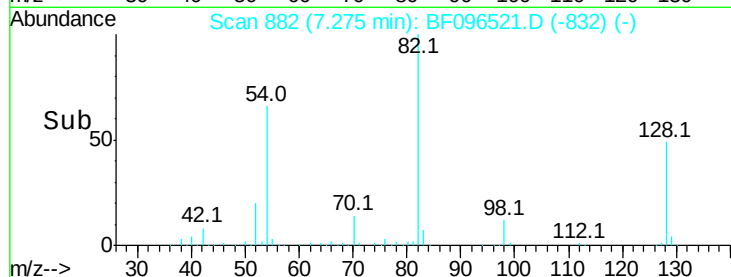
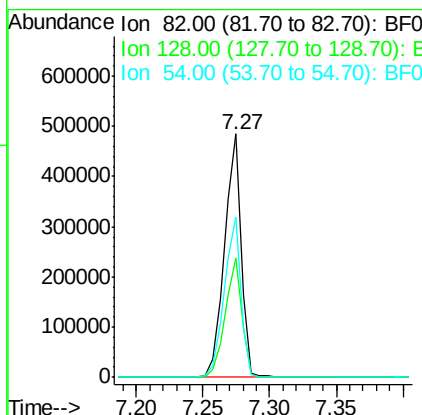
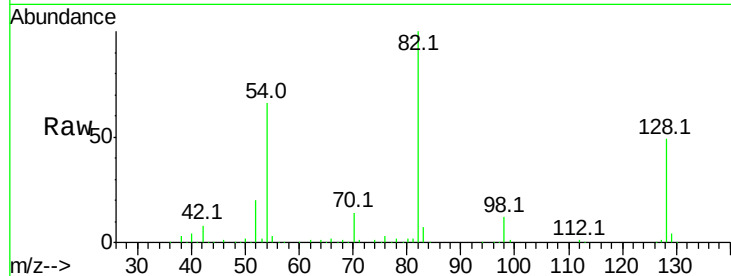




#23
 Nitrobenzene-d5
 Concen: 73.25 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF096521.D
 Acq: 6 Jul 2017 9:19

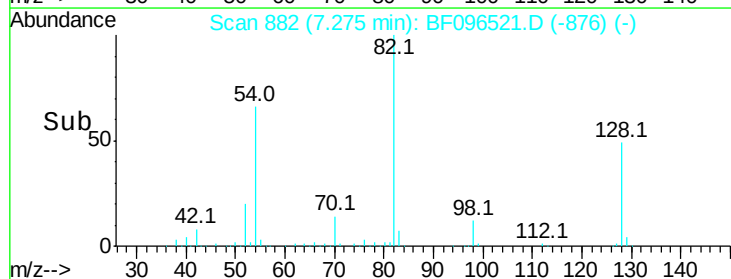
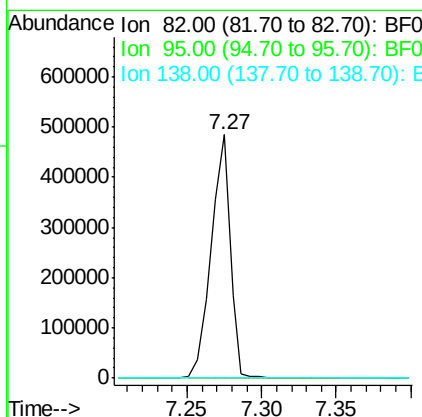
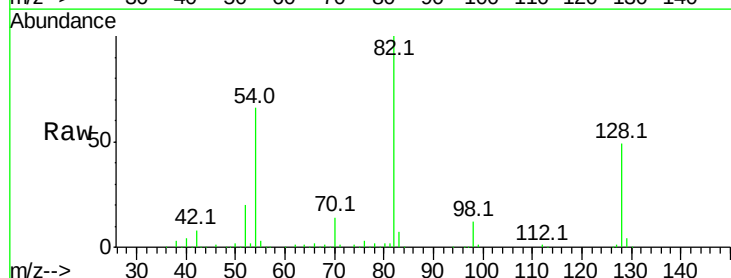
Instrument :
 BNA_F
 ClientSampleId :

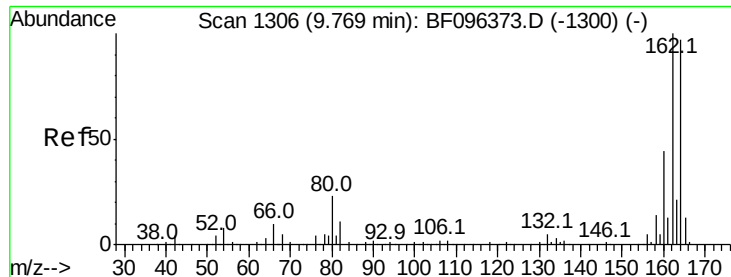
Tot Ion	82	Resp	431996
Ion Ratio	100	Lower	Upper
128	49.1	34.0	51.0
54	66.0	42.2	63.2#



#25
 Isophorone
 Concen: 37.48 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.26 min
 Lab File: BF096521.D
 Acq: 6 Jul 2017 9:19

Tgt Ion	82	Resp	428578
Ion Ratio	100	Lower	Upper
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

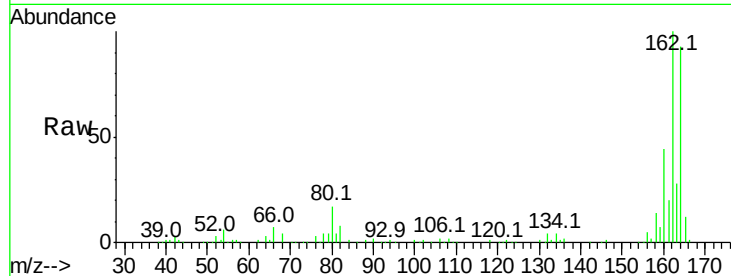




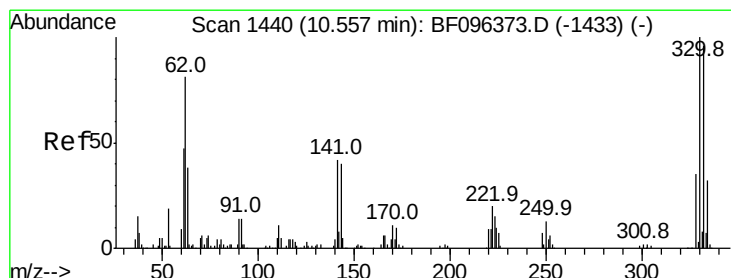
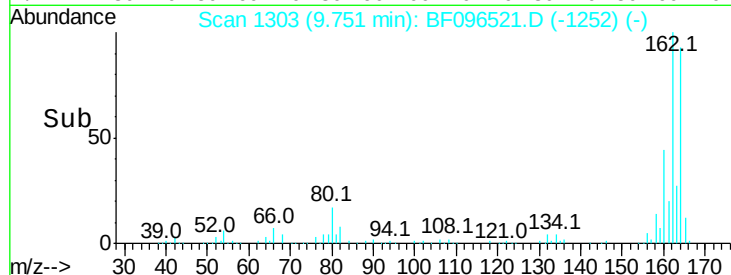
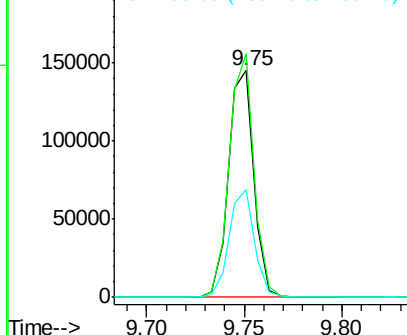
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF096521.D
Acq: 6 Jul 2017 9:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 130037
Ion Ratio Lower Upper
164 100
162 107.4 82.6 123.8
160 47.6 36.2 54.2

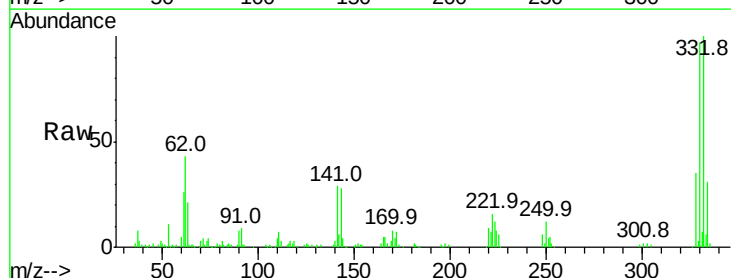


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

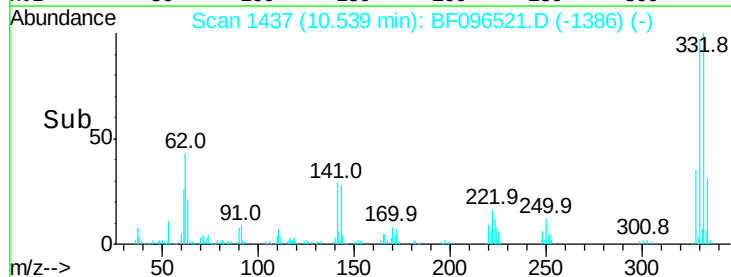
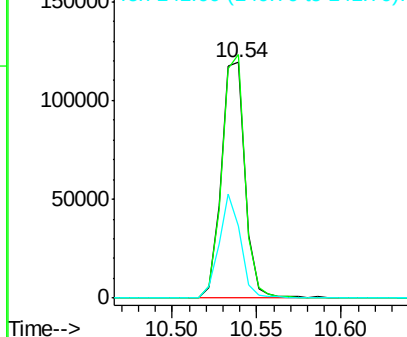


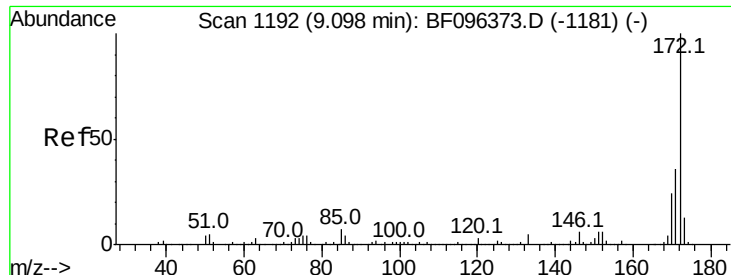
#41
2,4,6-Tribromophenol
Concen: 115.15 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.00 min
Lab File: BF096521.D
Acq: 6 Jul 2017 9:19

Tgt Ion:330 Resp: 116966
Ion Ratio Lower Upper
330 100
332 100.4 76.6 115.0
141 39.9 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

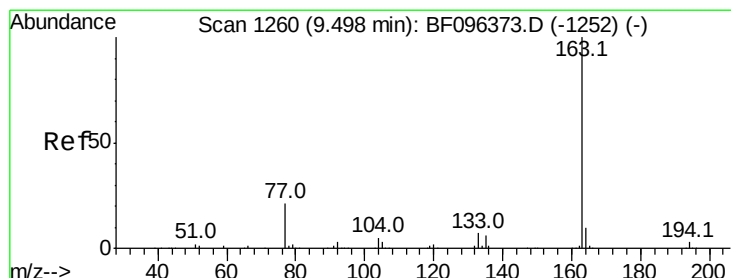
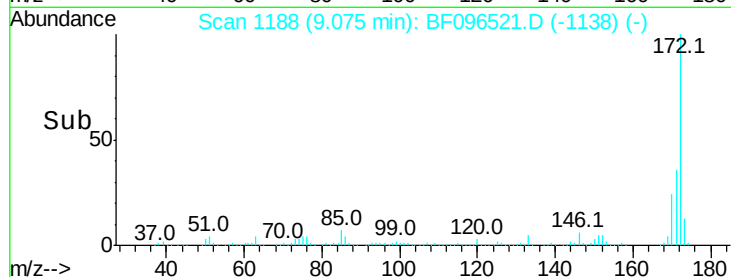
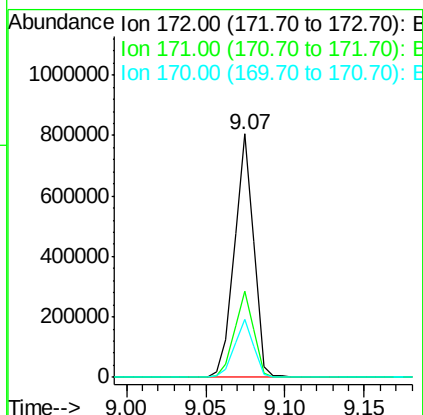
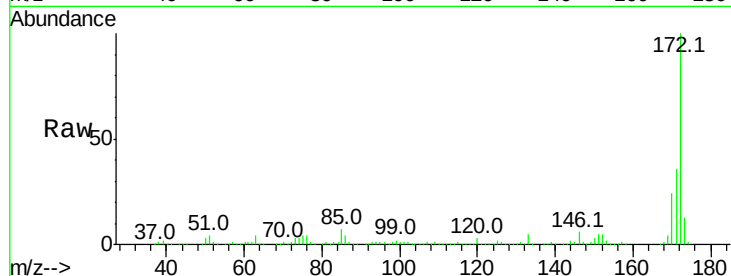




#44
 2-Fluorobiphenyl
 Concen: 89.66 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096521.D
 Acq: 6 Jul 2017 9:19

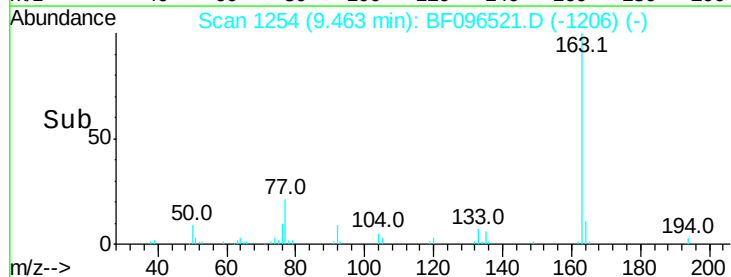
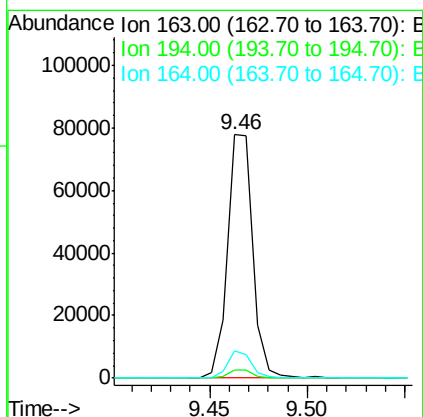
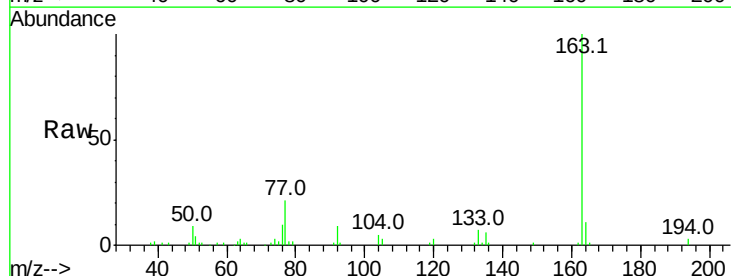
Instrument :
 BNA_F
 ClientSampleId :

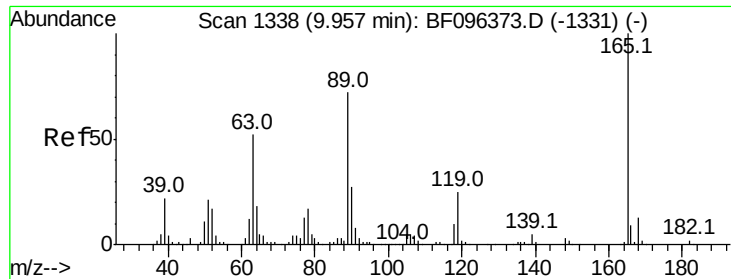
Tot Ion:172 Resp: 681896
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 24.0 19.8 29.8



#49
 Dimethylphthalate
 Concen: 7.18 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: BF096521.D
 Acq: 6 Jul 2017 9:19

Tgt Ion:163 Resp: 69678
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.6 4.0
 164 11.2 8.4 12.6

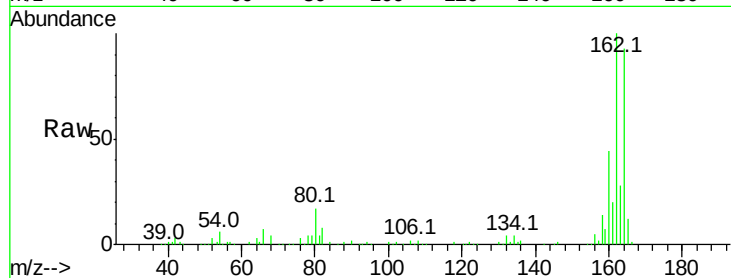




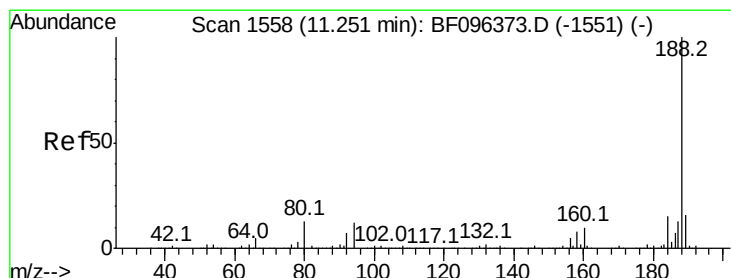
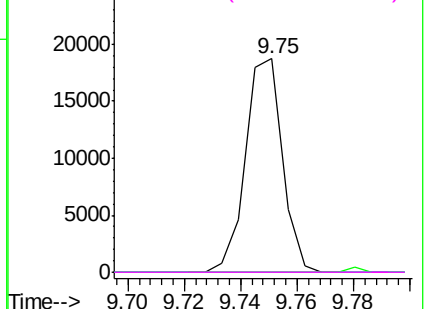
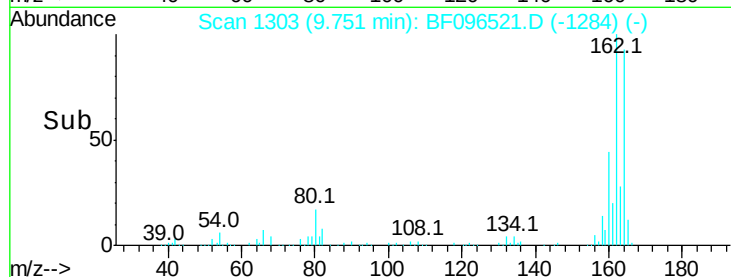
#56
 2,4-Dinitrotoluene
 Concen: 6.26 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.19 min
 Lab File: BF096521.D
 Acq: 6 Jul 2017 9:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 17015
 Ion Ratio Lower Upper
 165 100
 63 0.0 25.4 38.0#
 89 0.0 46.4 69.6#
 182 0.0 1.8 2.6#

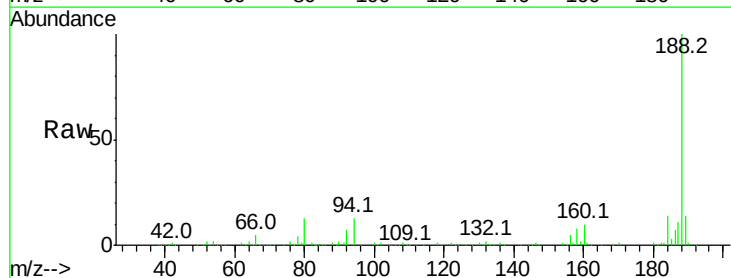


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

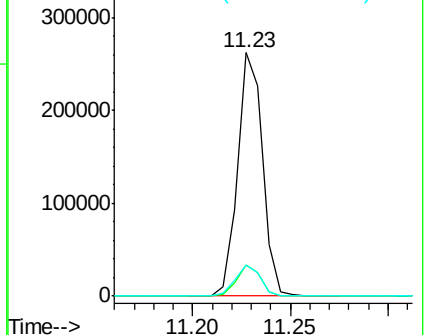
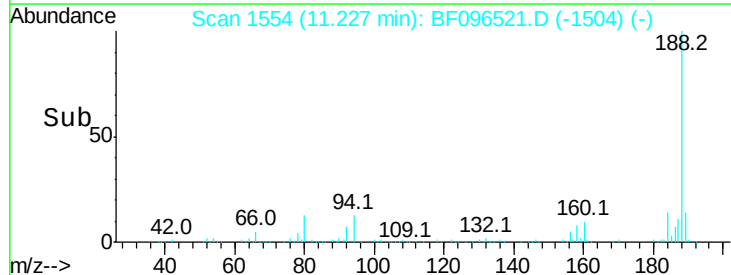


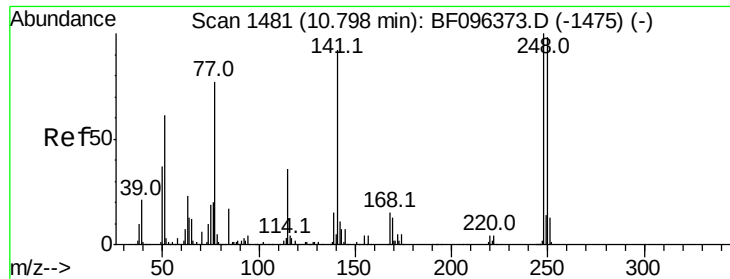
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF096521.D
 Acq: 6 Jul 2017 9:19

Tgt Ion:188 Resp: 231712
 Ion Ratio Lower Upper
 188 100
 94 12.8 9.4 14.2
 80 12.9 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

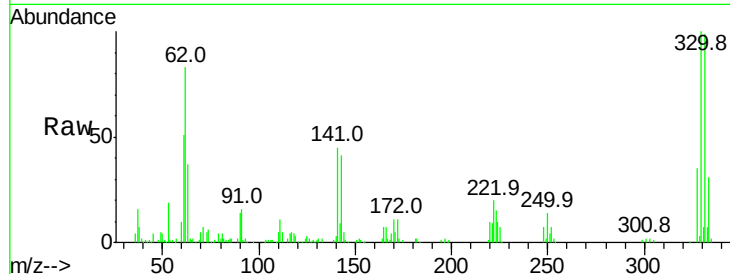




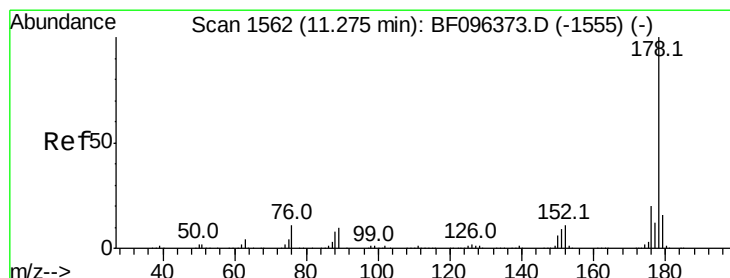
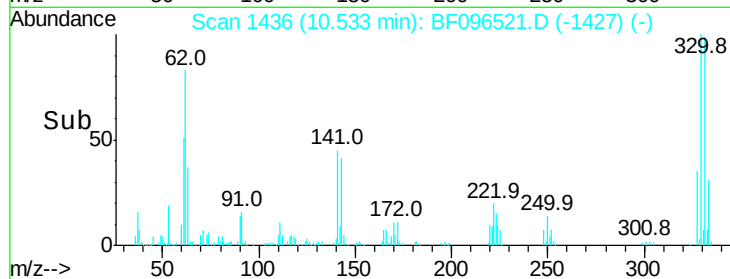
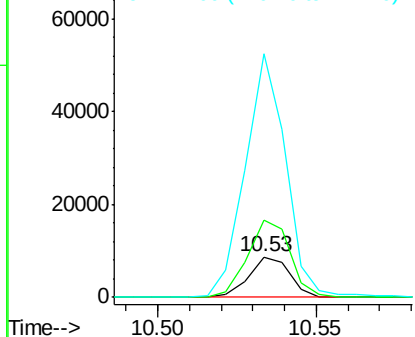
#66
 4-Bromophenyl-phenylether
 Concen: 3.48 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: BF096521.D
 Acq: 6 Jul 2017 9:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7853
 Ion Ratio Lower Upper
 248 100
 250 190.5 76.8 115.2#
 141 600.3 68.6 103.0#

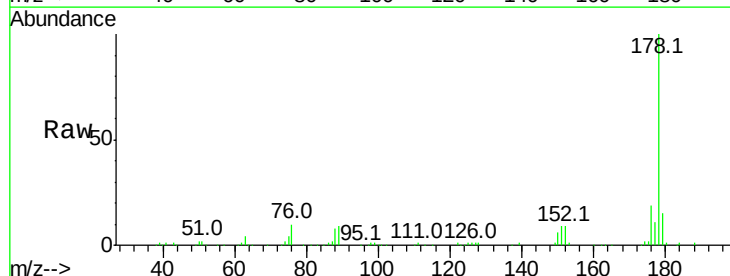


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

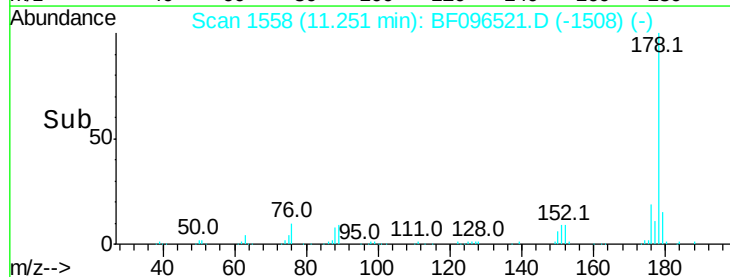
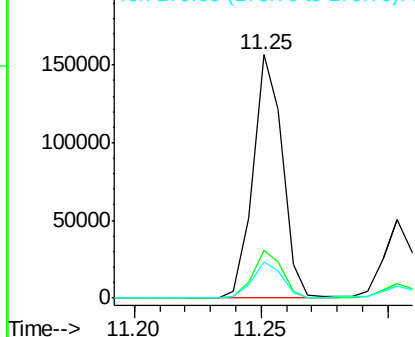


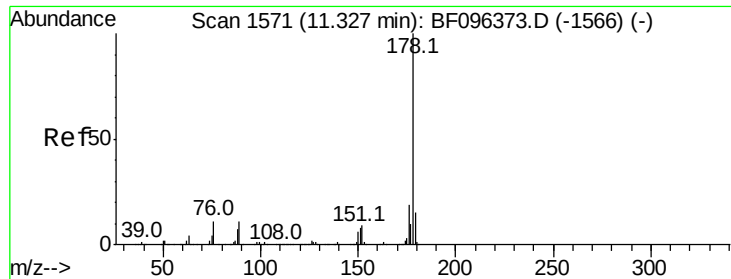
#70
 Phenanthrene
 Concen: 10.11 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF096521.D
 Acq: 6 Jul 2017 9:19

Tgt Ion:178 Resp: 126642
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.2 24.4
 179 14.7 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

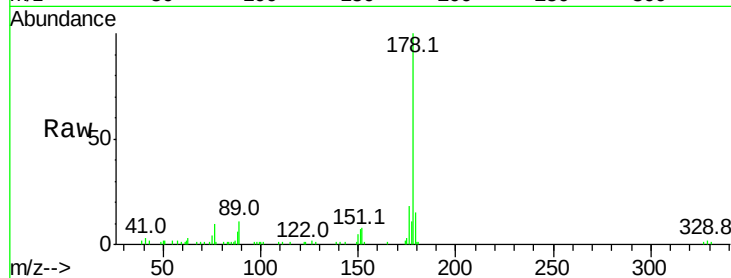




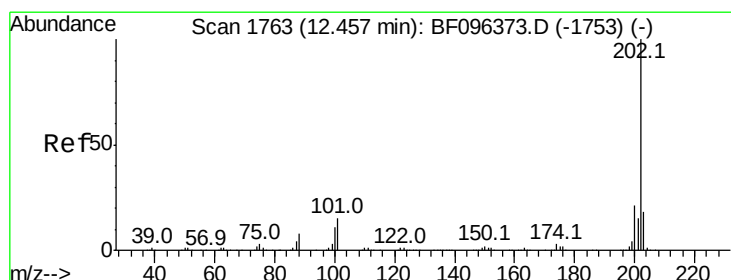
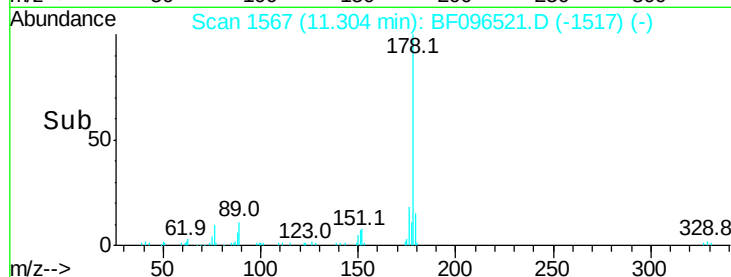
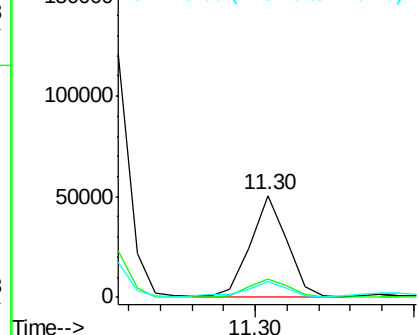
#71
 Anthracene
 Concen: 3.15 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF096521.D
 Acq: 6 Jul 2017 9:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 40194
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.8 23.8
 179 15.2 12.7 19.1

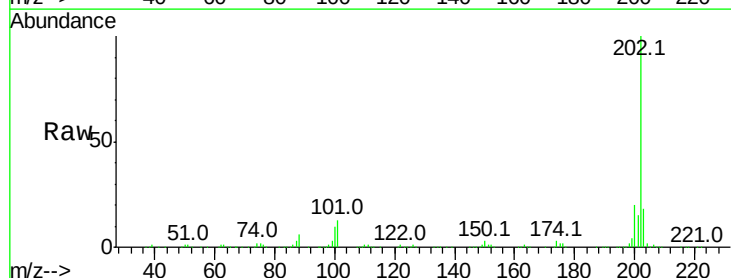


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

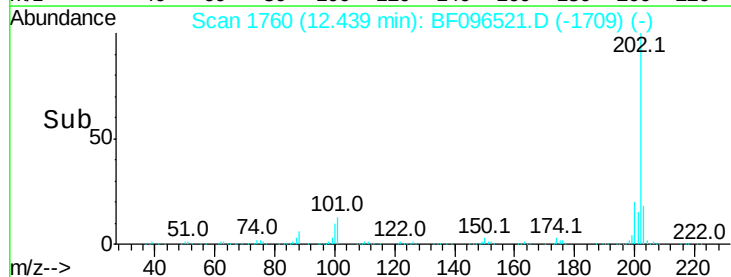
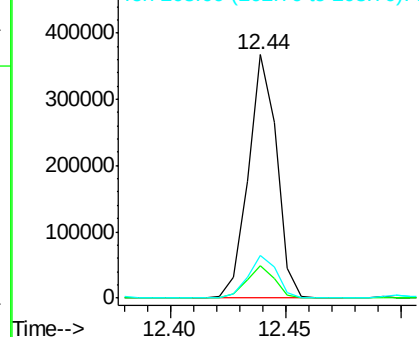


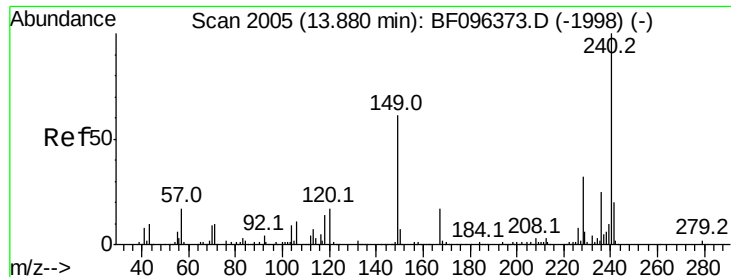
#74
 Fluoranthene
 Concen: 25.76 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: BF096521.D
 Acq: 6 Jul 2017 9:19

Tgt Ion:202 Resp: 316297
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 33.2
 203 17.8 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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096521.D

Acq: 6 Jul 2017 9:19

Instrument :

BNA_F

ClientSampled :

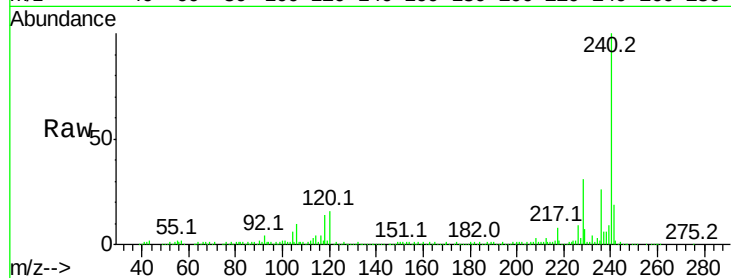
Tot Ion:240 Resp: 183771

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

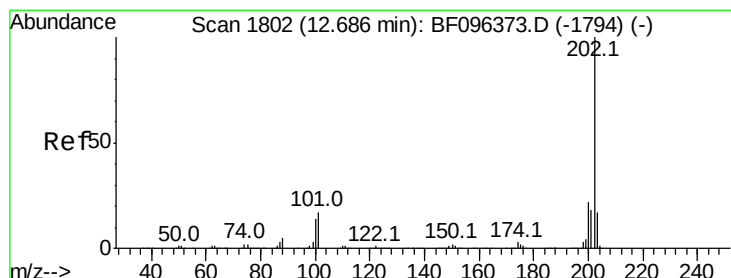
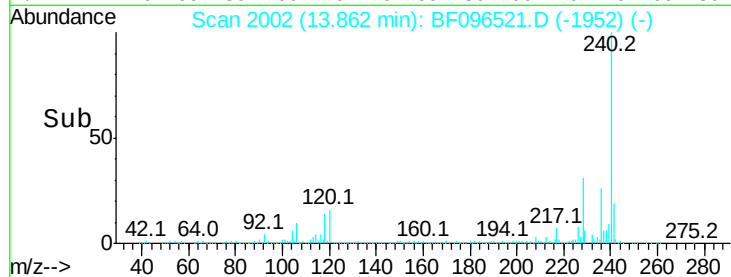
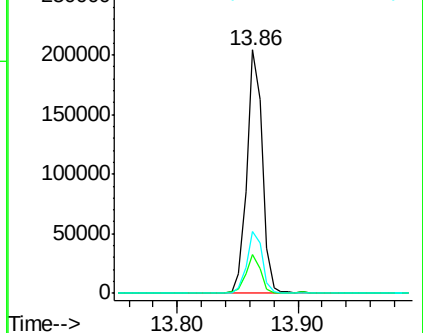
236 25.5 20.5 30.7



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: 20.48 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.00 min

Lab File: BF096521.D

Acq: 6 Jul 2017 9:19

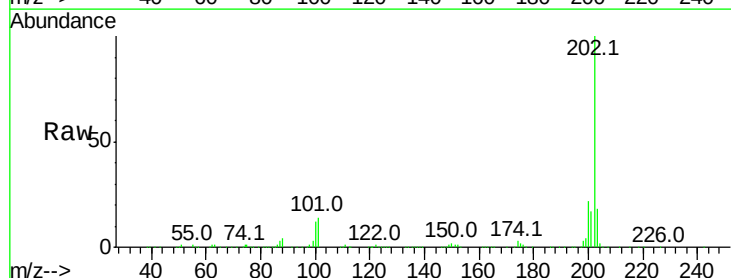
Tgt Ion:202 Resp: 302053

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

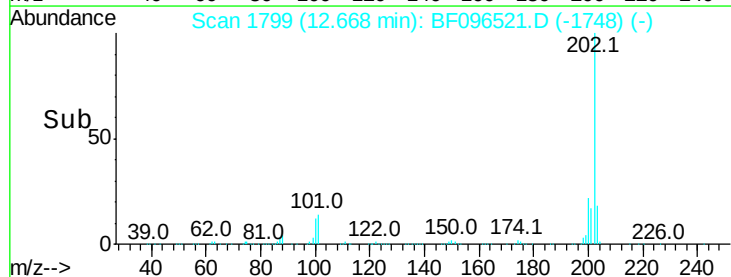
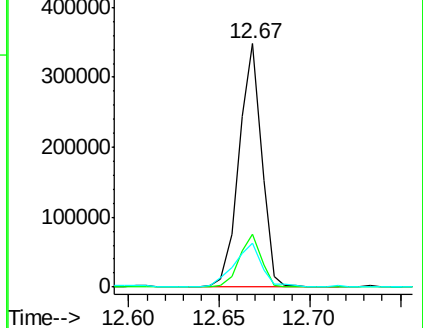
203 17.9 14.4 21.6

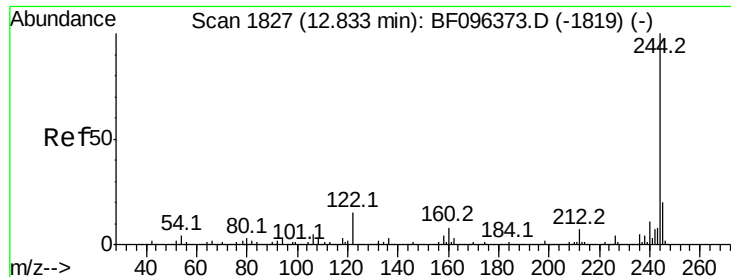


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

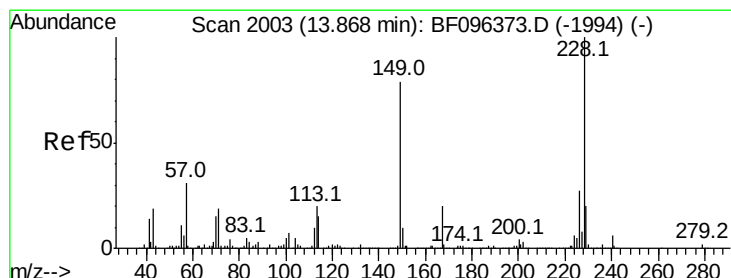
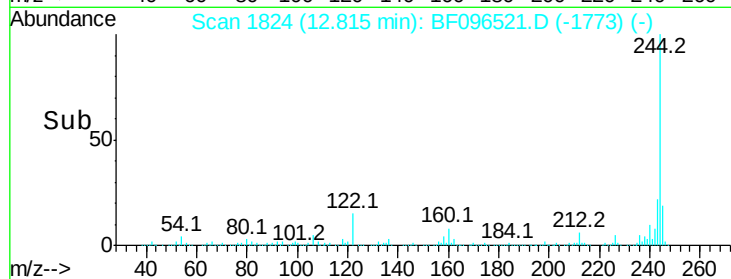
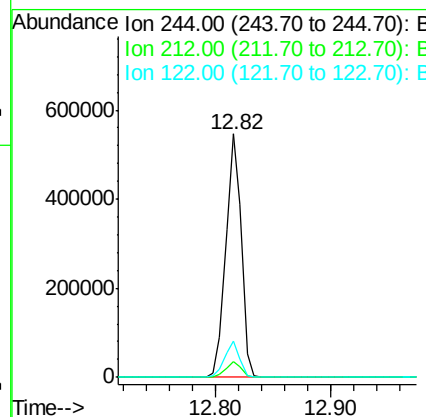
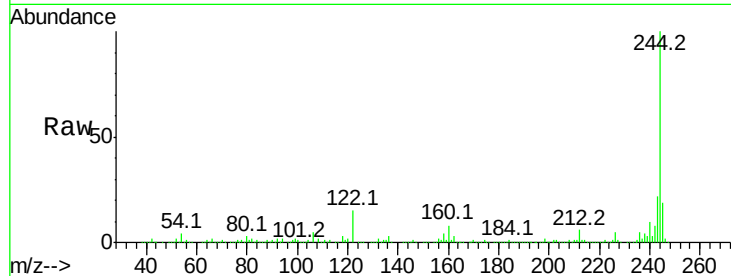




#78
 Terphenyl-d14
 Concen: 58.53 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF096521.D
 Acq: 6 Jul 2017 9:19

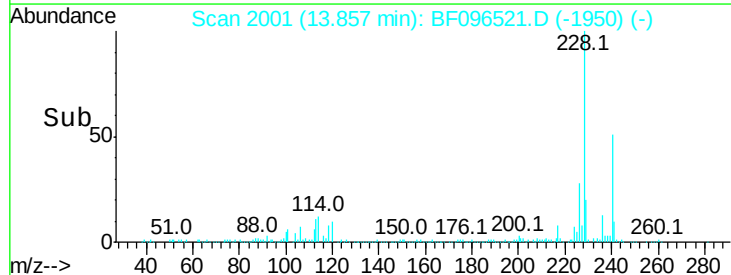
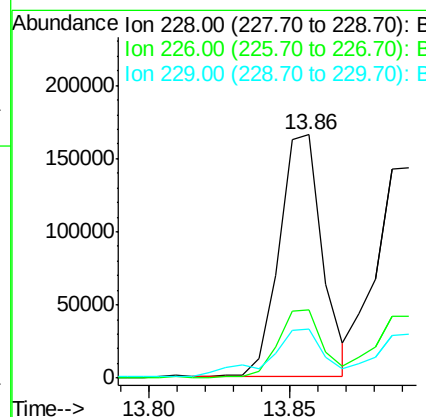
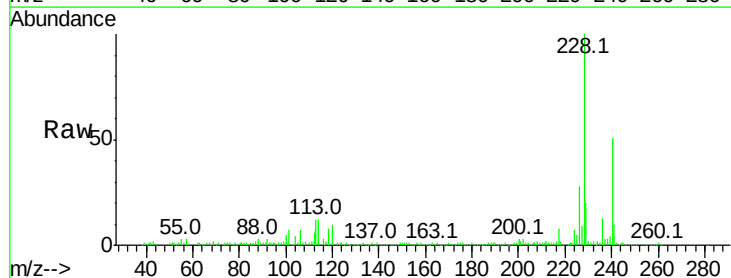
Instrument :
 BNA_F
 ClientSampleId :

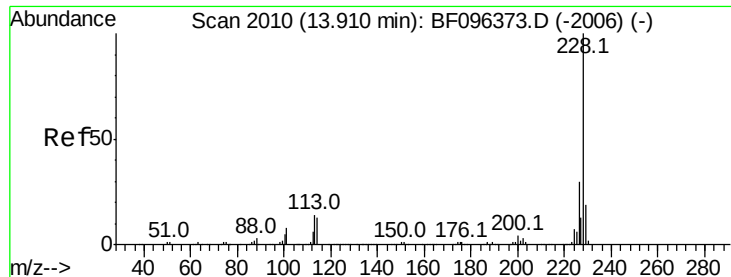
Tot Ion:244 Resp: 503405
 Ion Ratio Lower Upper
 244 100
 212 6.2 6.0 9.0
 122 15.0 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 16.57 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: BF096521.D
 Acq: 6 Jul 2017 9:19

Tgt Ion:228 Resp: 176342
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.6 33.8
 229 20.3 16.3 24.5





#82

Chrysene

Concen: 14.15 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BF096521.D

Acq: 6 Jul 2017 9:19

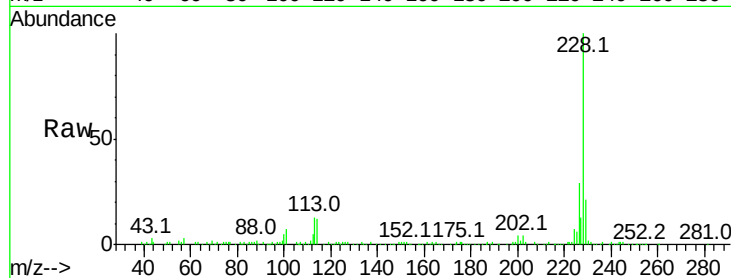
Instrument :

BNA_F

ClientSampled :

Tot Ion:228 Resp: 157683

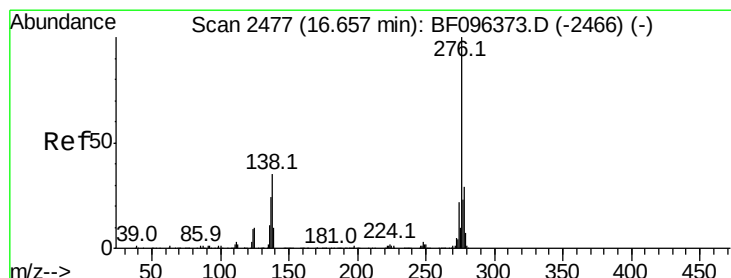
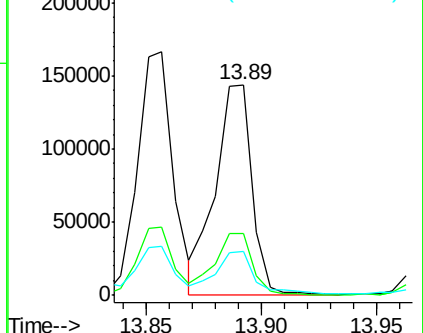
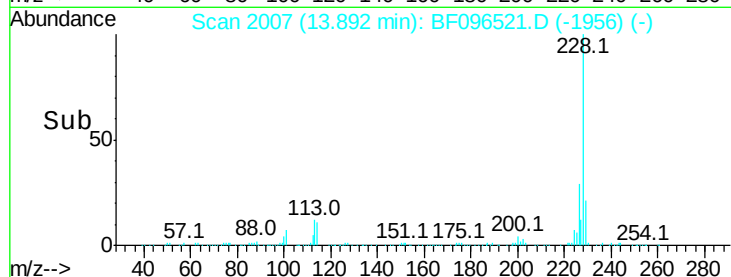
Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.9	37.3
229	21.1	15.8	23.6



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: 8.42 ng

RT: 16.64 min Scan# 2474

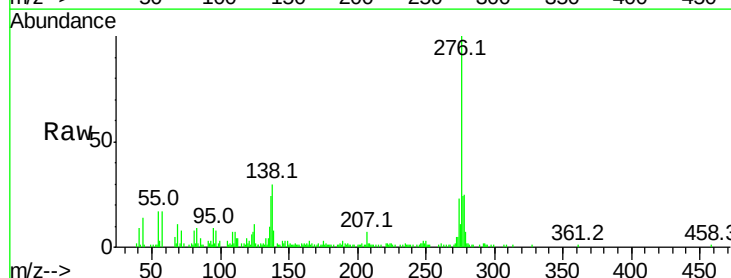
Delta R.T. -0.00 min

Lab File: BF096521.D

Acq: 6 Jul 2017 9:19

Tgt Ion:276 Resp: 74052

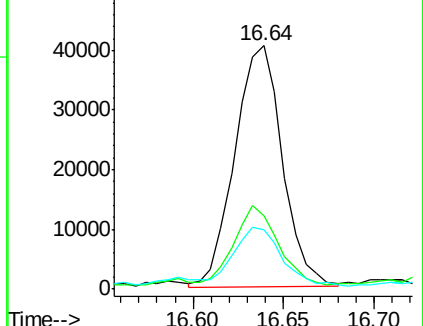
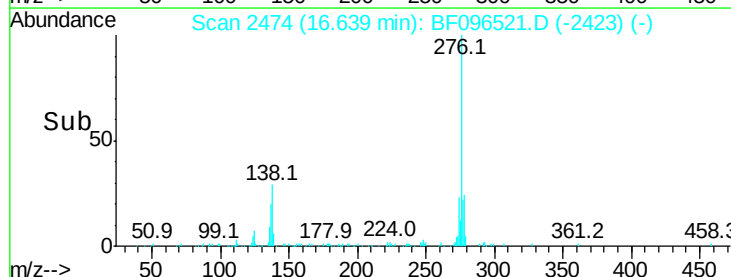
Ion	Ratio	Lower	Upper
276	100		
138	30.5	27.8	41.6
277	24.8	20.2	30.4

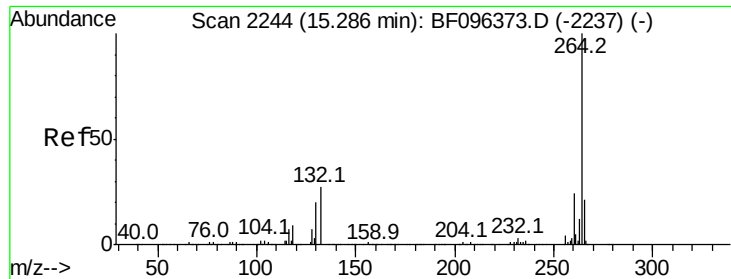


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

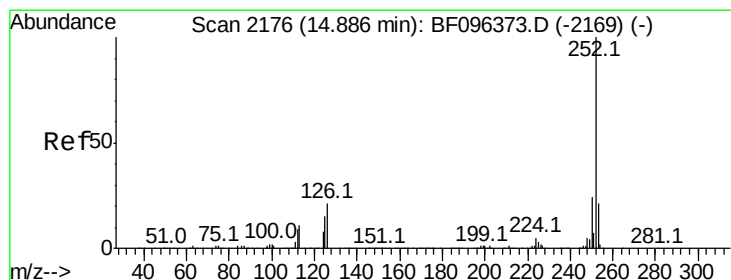
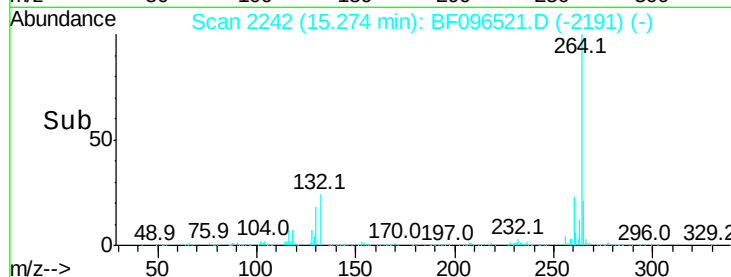
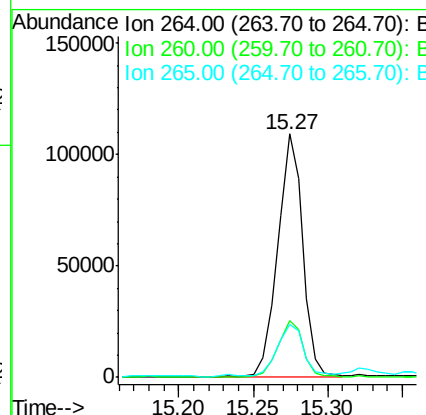
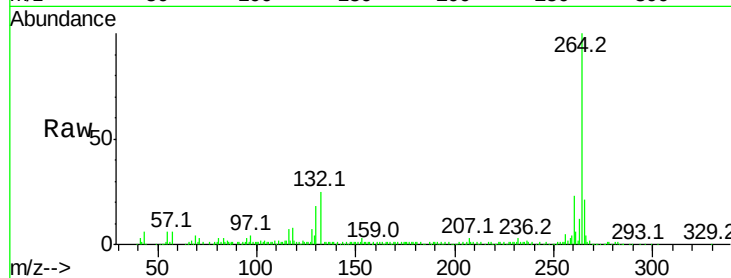




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF096521.D
Acq: 6 Jul 2017 9:19

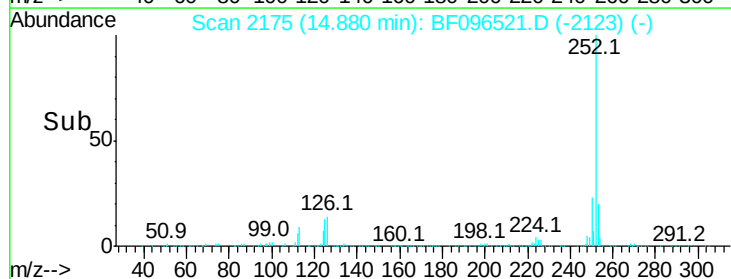
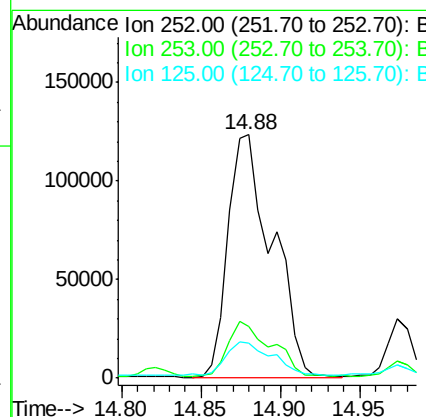
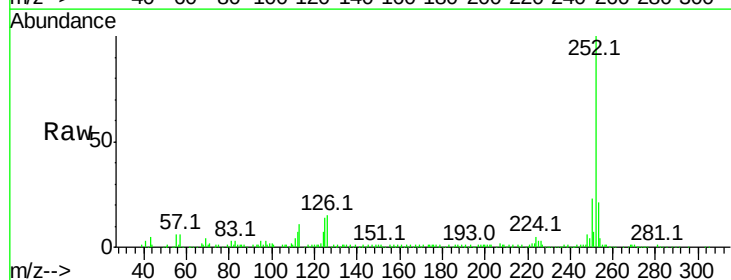
Instrument :
BNA_F
ClientSampled :

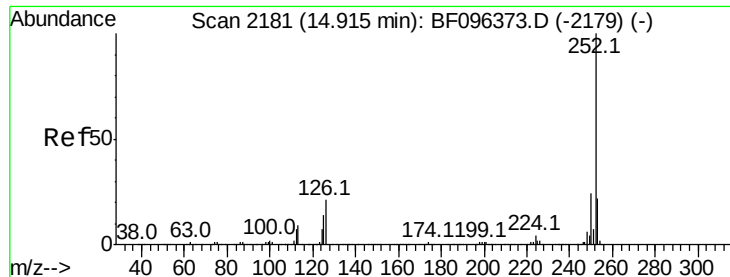
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.5	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 29.83 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF096521.D
Acq: 6 Jul 2017 9:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.1	27.1
125	14.3	9.8	14.8

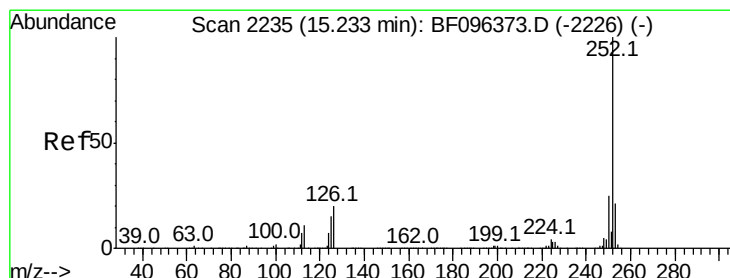
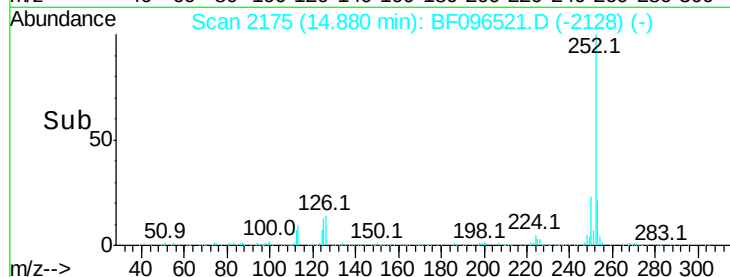
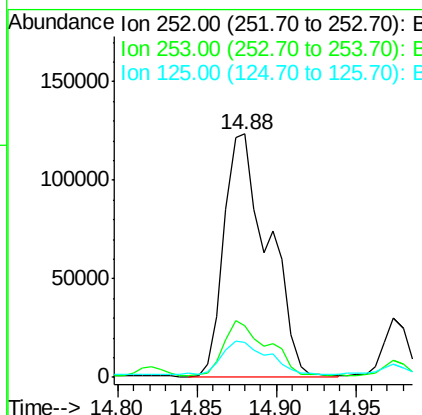
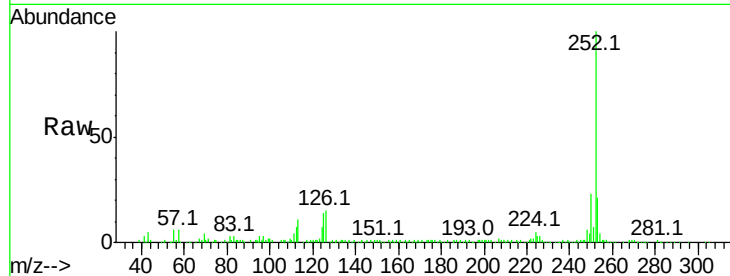




#88
Benzo(k)fluoranthene
Concen: 33.35 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF096521.D
Acq: 6 Jul 2017 9:19

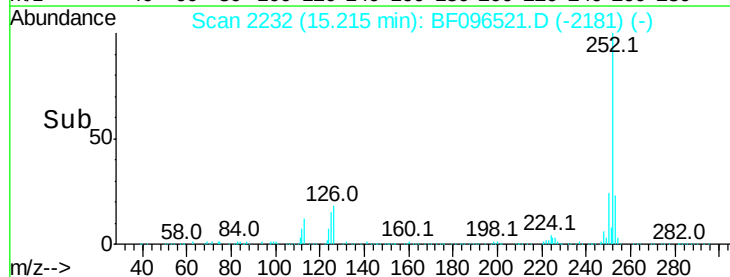
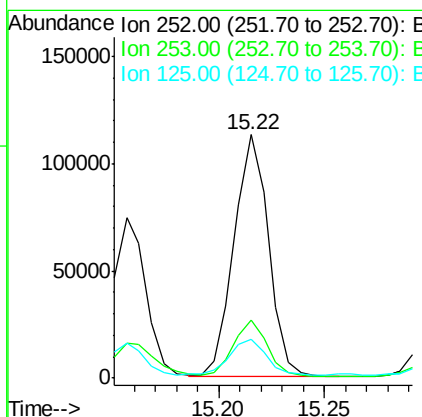
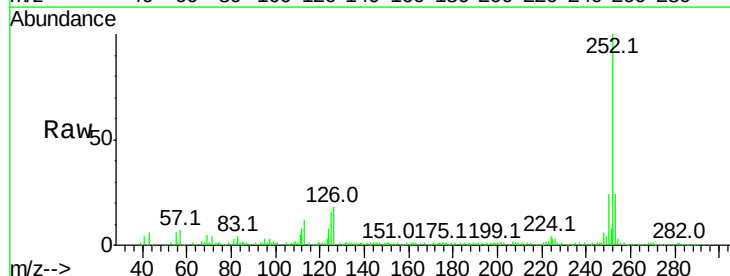
Instrument :
BNA_F
ClientSampleId :

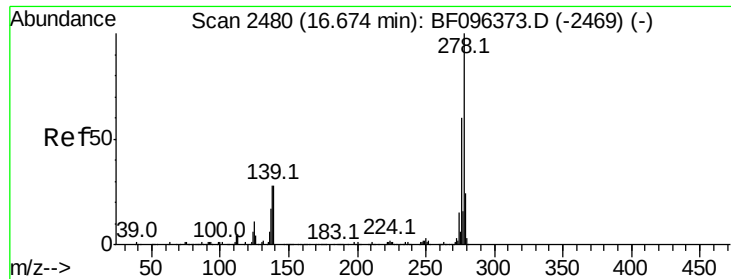
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.4	27.6
125	14.3	13.1	19.7



#89
Benzo(a)pyrene
Concen: 17.81 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF096521.D
Acq: 6 Jul 2017 9:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	16.1	11.0	16.4

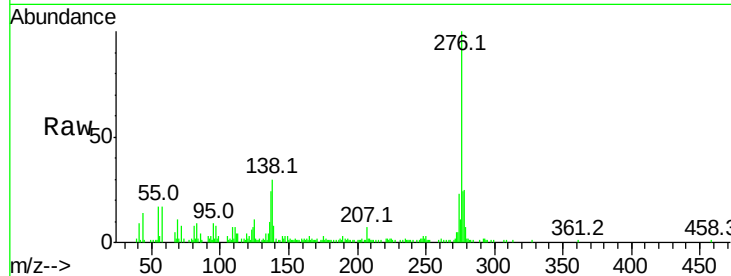




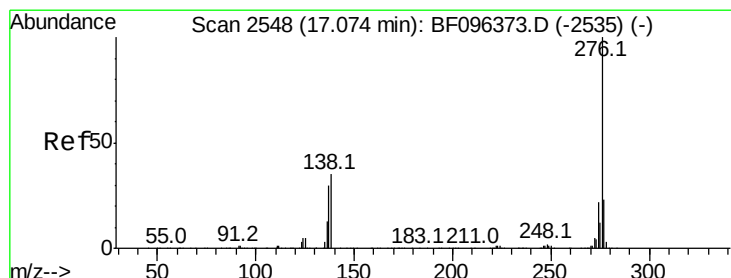
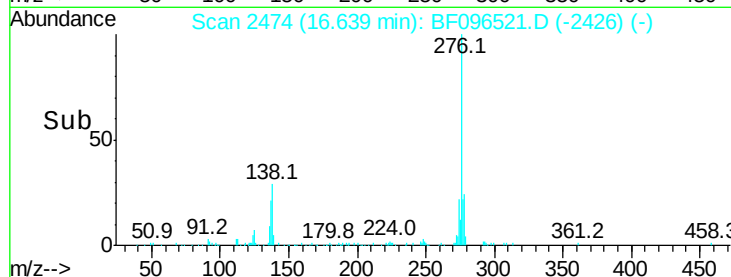
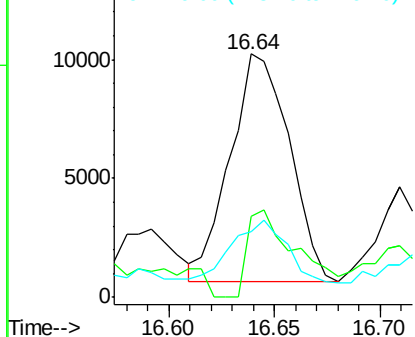
#90
Dibenzo(a,h)anthracene
Concen: 3.29 ng
RT: 16.64 min Scan# 2474
Delta R.T. -0.02 min
Lab File: BF096521.D
Acq: 6 Jul 2017 9:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 18563
Ion Ratio Lower Upper
278 100
139 33.2 16.6 24.8#
279 27.1 19.3 28.9

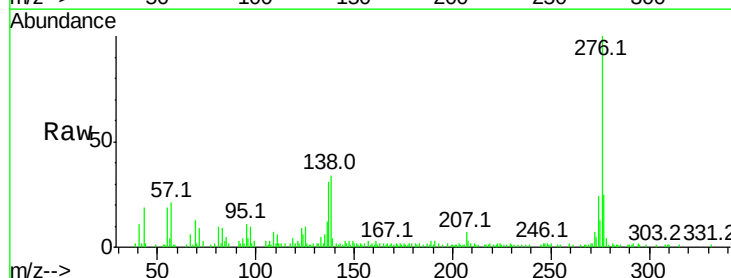


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 11.86 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.01 min
Lab File: BF096521.D
Acq: 6 Jul 2017 9:19

Tgt Ion:276 Resp: 69317
Ion Ratio Lower Upper
276 100
277 25.1 18.6 28.0
138 34.1 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

