

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096093.D
 Acq On : 21 Jun 2017 19:51
 Operator : SJ/MA
 Sample : I3736-10 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G18-1.5-3

Manual Integrations
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Quant Time: Jun 22 01:37:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	65276	20.00	ng	0.00
21) Naphthalene-d8	9.33	136	257049	20.00	ng	0.00
38) Acenaphthene-d10	12.16	164	99631	20.00	ng	0.00
63) Phenanthrene-d10	14.55	188	146600	20.00	ng	0.01
75) Chrysene-d12	18.28	240	135390	20.00	ng	0.00
86) Perylene-d12	19.96	264	88567	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	201671	49.23	ng	0.01
7) Phenol-d6	6.89	99	252884	51.56	ng	0.01
23) Nitrobenzene-d5	8.22	82	144446	34.90	ng	0.00
41) 2,4,6-Tribromophenol	13.46	330	38480	43.65	ng	0.01
44) 2-Fluorobiphenyl	11.11	172	262624	36.68	ng	0.00
78) Terphenyl-d14	16.93	244	191787	35.16	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	9.36	128	118173	9.16	ng	99
37) 2-Methylnaphthalene	10.49	142	185431	21.27	ng	96
45) 1,1'-Biphenyl	11.27	154	20678	2.52	ng	89
49) Dimethylphthalate	11.81	163	34296	4.53	ng	# 90
51) Acenaphthene	12.21	154	18902	2.98	ng	# 91
54) Dibenzofuran	12.50	168	31277	3.51	ng	# 75
57) Fluorene	13.05	166	36259	4.67	ng	# 96
70) Phenanthrene	14.59	178	123149	14.56	ng	96
71) Anthracene	14.68	178	40143m	4.55	ng	
74) Fluoranthene	16.38	202	109417	13.07	ng	98
77) Pyrene	16.68	202	130361	12.90	ng	96
80) Benzo(a)anthracene	18.27	228	39584m	5.03	ng	
82) Chrysene	18.32	228	49182	6.25	ng	# 95
85) Indeno(1,2,3-cd)pyrene	21.13	276	17495	2.60	ng	93
87) Benzo(b)fluoranthene	19.56	252	55604m	10.03	ng	
88) Benzo(k)fluoranthene	19.58	252	15497m	2.92	ng	
89) Benzo(a)pyrene	19.91	252	26098	5.12	ng	# 59
91) Benzo(g,h,i)perylene	21.47	276	18927	4.29	ng	# 77

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

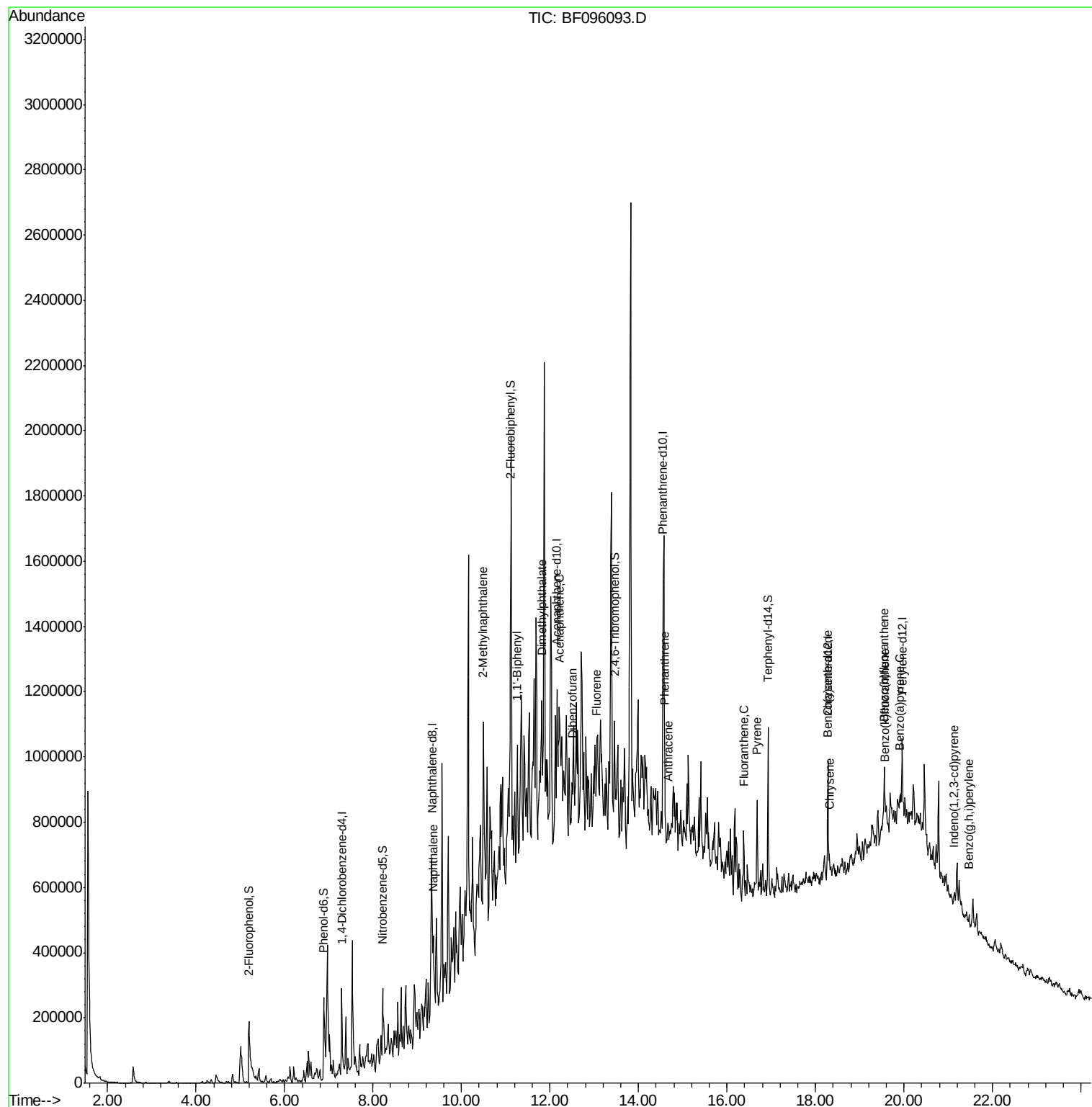
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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ALS Vial : 14 Sample Multiplier: 1

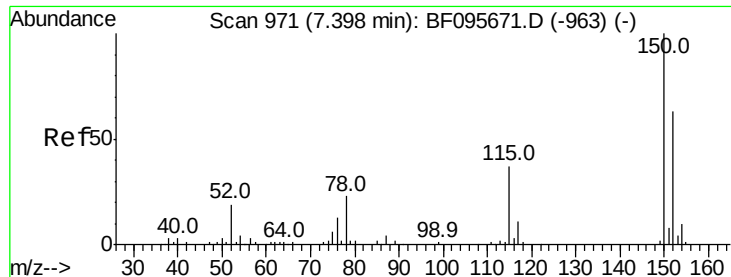
Instrument :
BNA_F
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G18-1.5-3

Quant Time: Jun 22 01:37:41 2017
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#1

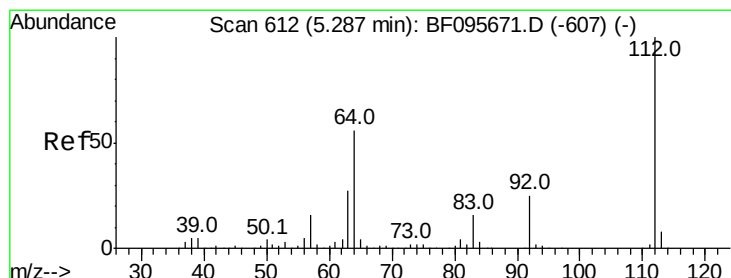
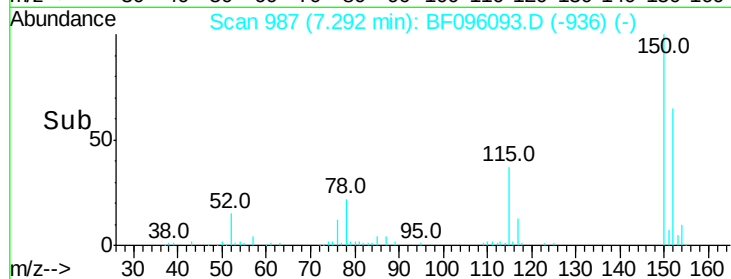
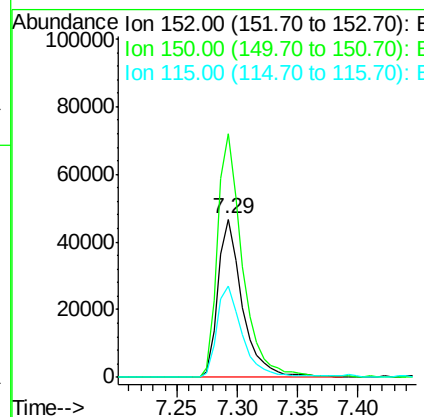
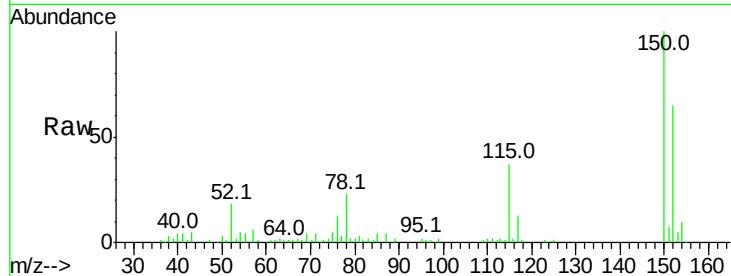
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096093.D
Acq: 21 Jun 2017 19:51

Instrument :
BNA_F
ClientSampled :
G18-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	126.2	189.2
115	57.3	52.2	78.2

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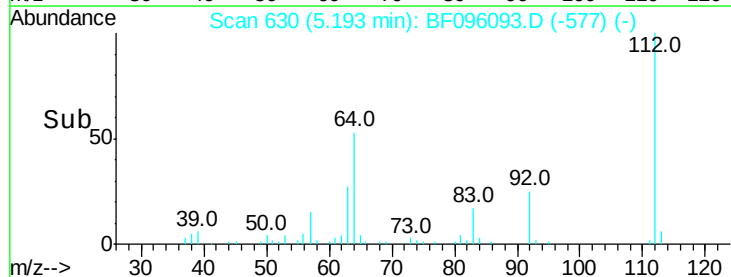
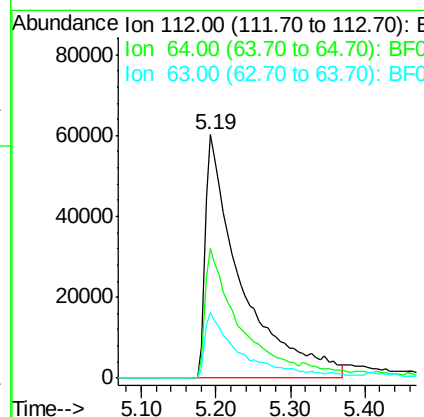
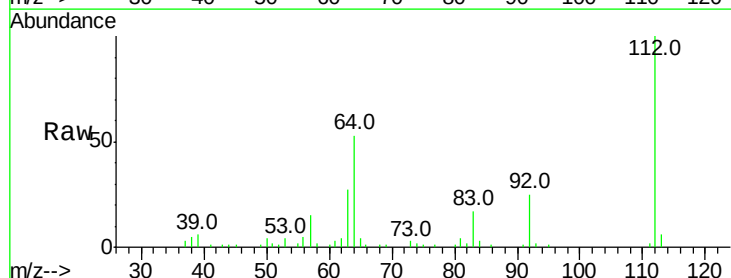
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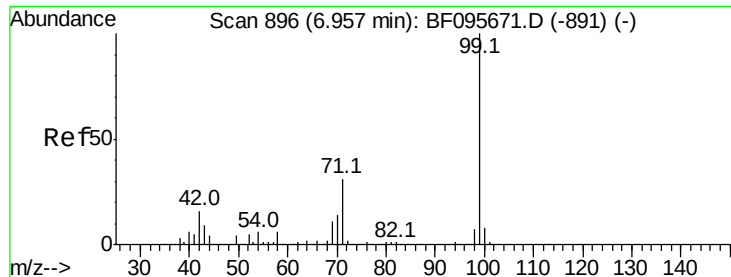


#5

2-Fluorophenol
Concen: 49.23 ng
RT: 5.19 min Scan# 630
Delta R.T. 0.01 min
Lab File: BF096093.D
Acq: 21 Jun 2017 19:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	46.0	69.0
63	26.8	23.4	35.0





#7

Phenol-d6

Concen: 51.56 ng

RT: 6.89 min Scan# 918

Delta R.T. 0.01 min

Lab File: BF096093.D

Acq: 21 Jun 2017 19:51

Instrument :

BNA_F

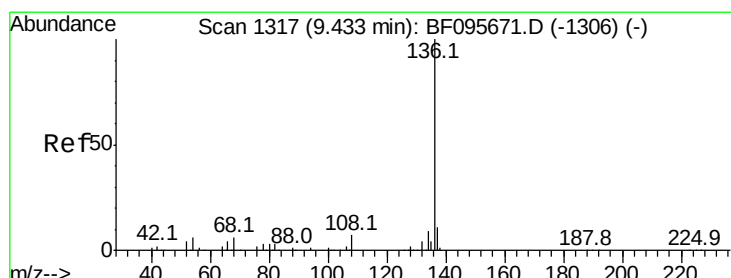
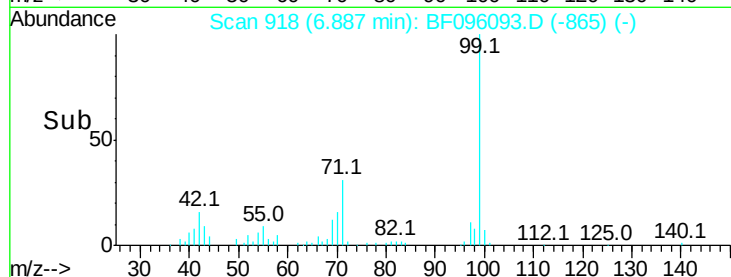
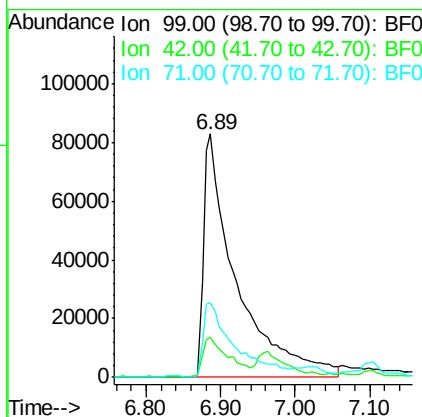
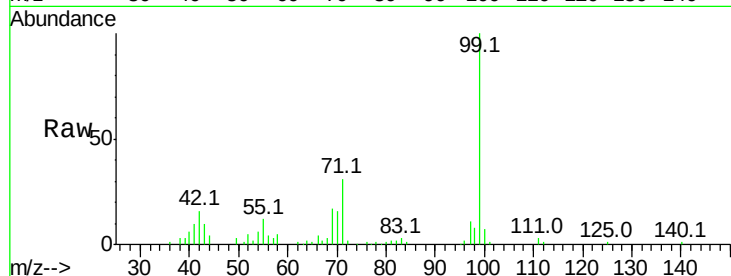
ClientSampled :

G18-1.5-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		252884		
42	16.4	13.5	20.3		
71	30.6	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

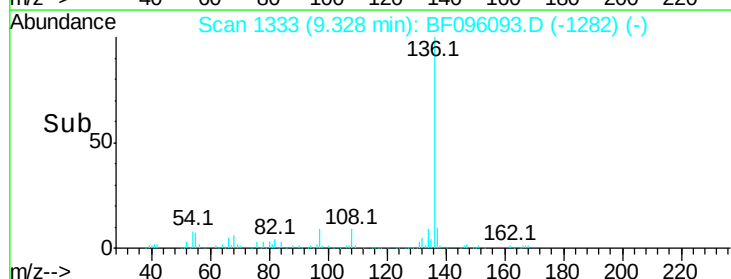
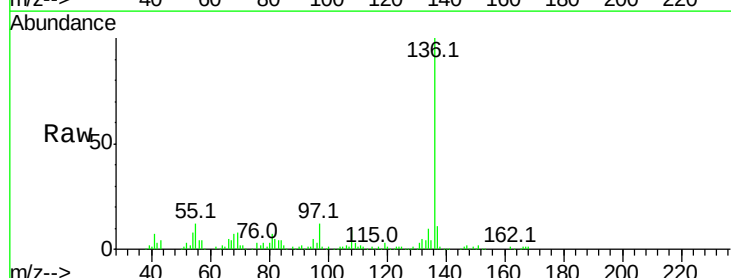
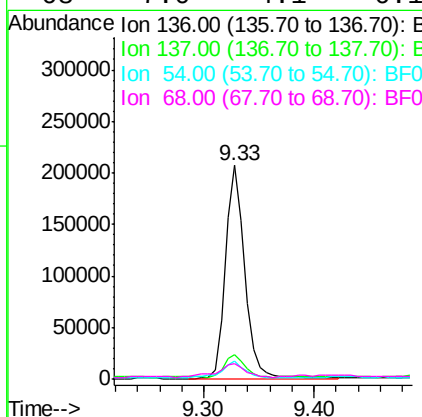
RT: 9.33 min Scan# 1333

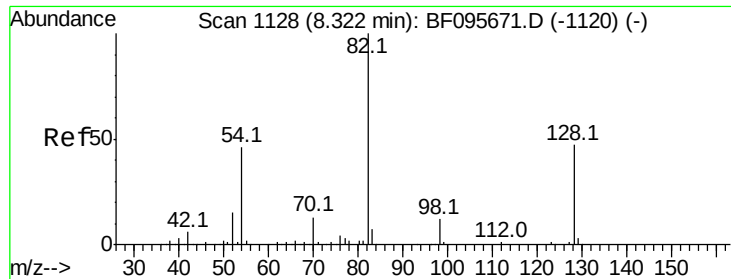
Delta R.T. 0.00 min

Lab File: BF096093.D

Acq: 21 Jun 2017 19:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		257049		
137	11.3	8.5	12.7		
54	8.2	4.9	7.3#		
68	7.0	4.1	6.1#		





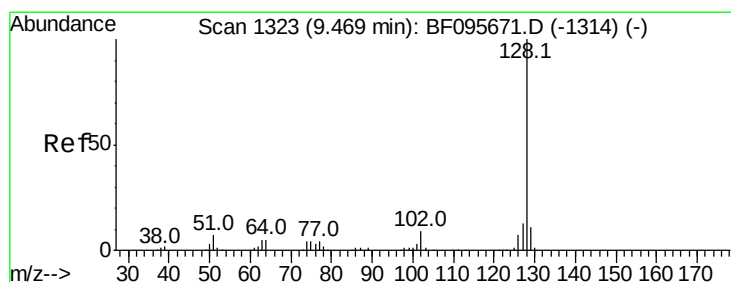
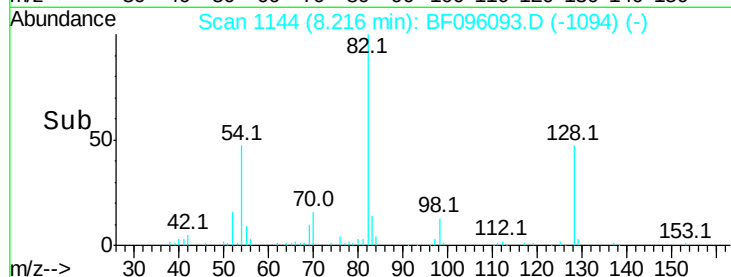
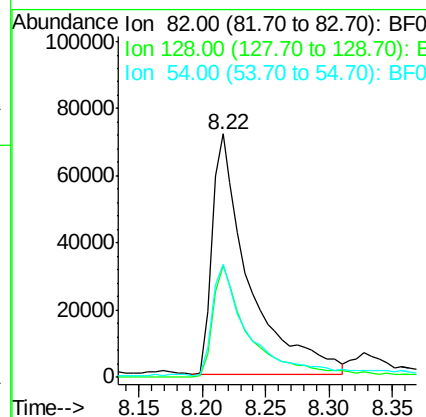
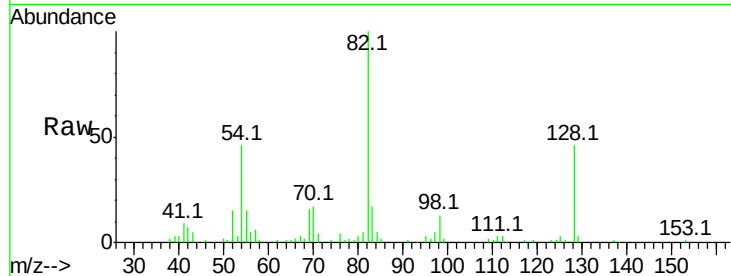
#23
Nitrobenzene-d5
Concen: 34.90 ng
RT: 8.22 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF096093.D
Acq: 21 Jun 2017 19:51

Instrument :
BNA_F
ClientSampled :
G18-1.5-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	34.0	51.0
54	46.2	42.2	63.2

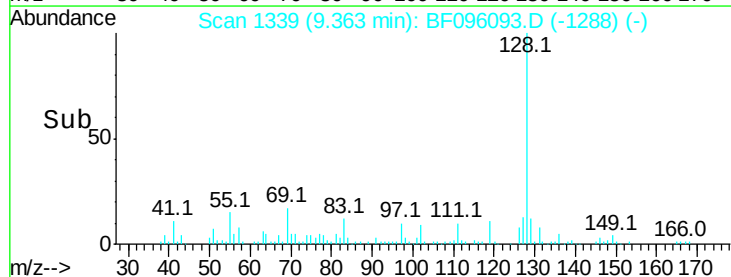
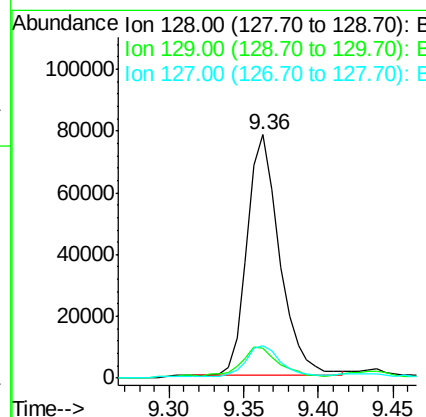
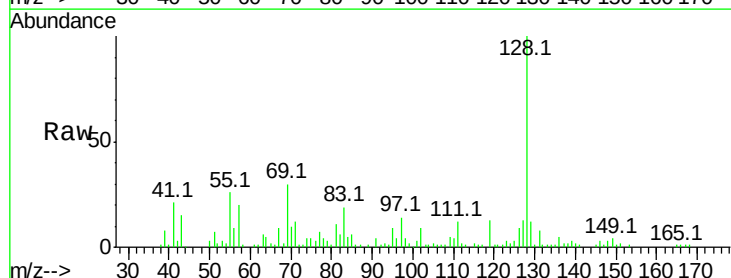
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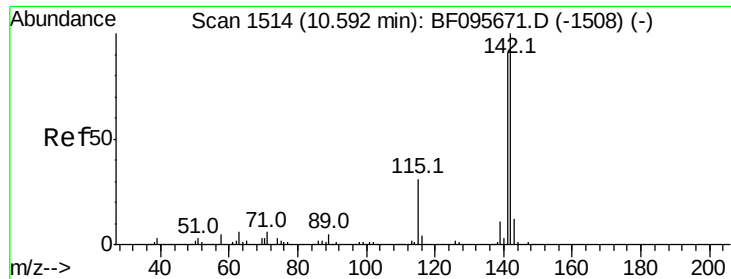
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#31
Naphthalene
Concen: 9.16 ng
RT: 9.36 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF096093.D
Acq: 21 Jun 2017 19:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.0	13.6
127	13.2	10.8	16.2





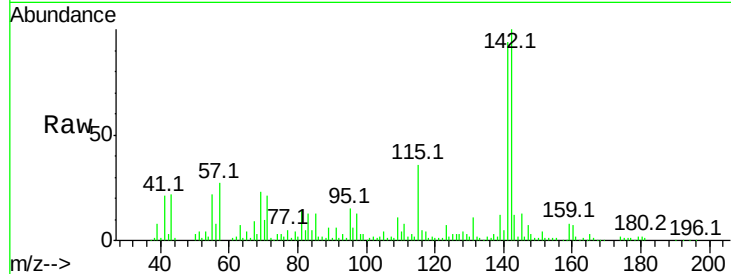
#37
2-Methylnaphthalene
Concen: 21.27 ng
RT: 10.49 min Scan# 1531
Delta R.T. 0.01 min
Lab File: BF096093.D
Acq: 21 Jun 2017 19:51

Instrument :
BNA_F
ClientSampleId :
G18-1.5-3

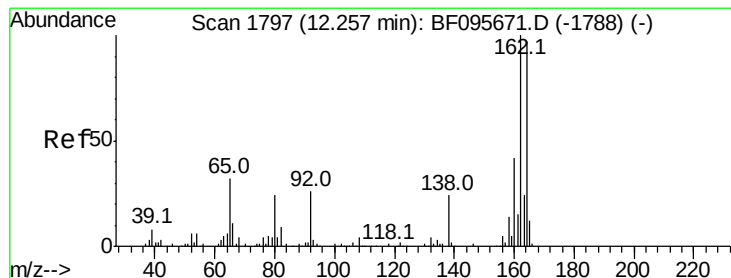
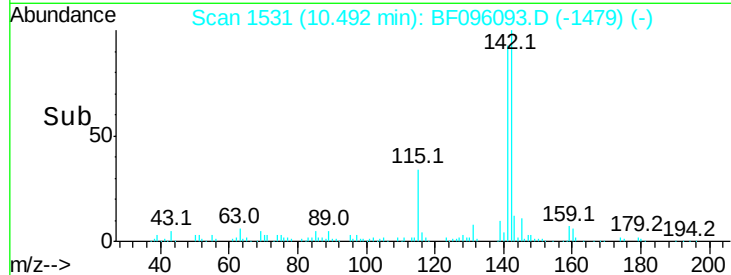
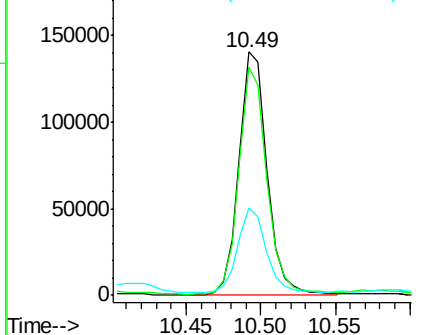
Tot Ion	Ratio	Resp	Lower	Upper
142	100	185431		
141	93.5	71.3	106.9	
115	36.1	27.1	40.7	

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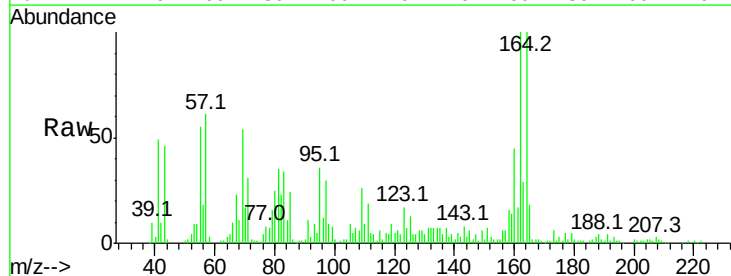


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

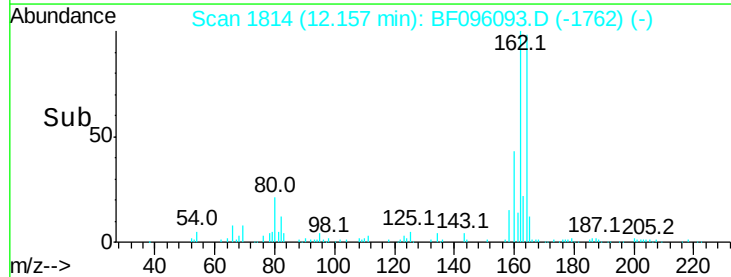
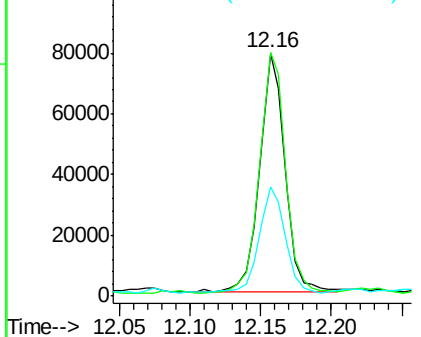


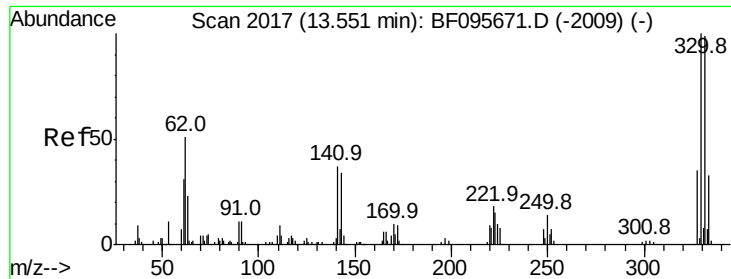
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.16 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BF096093.D
Acq: 21 Jun 2017 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	99631		
162	100.3	82.6	123.8	
160	44.8	36.2	54.2	



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





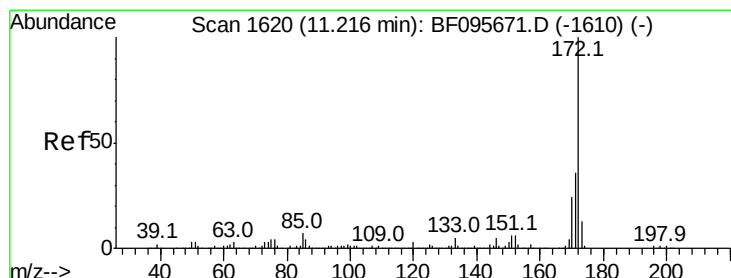
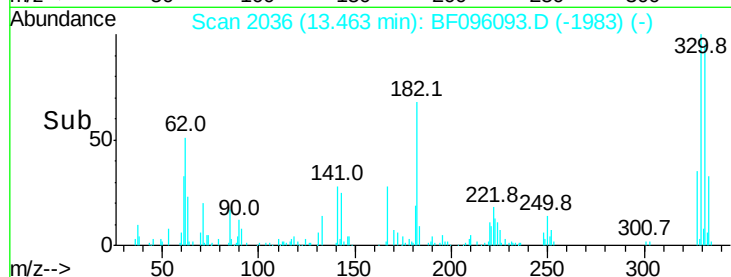
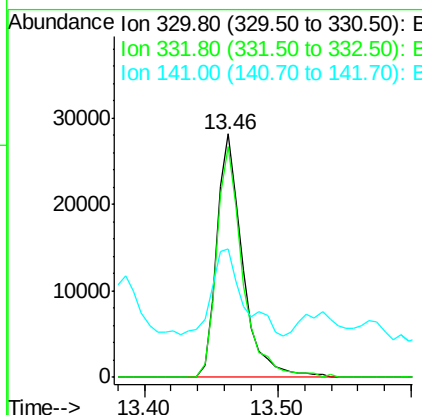
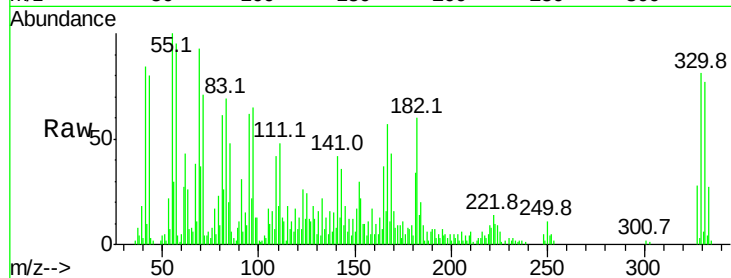
#41
 2,4,6-Tribromophenol
 Concen: 43.65 ng
 RT: 13.46 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: BF096093.D
 Acq: 21 Jun 2017 19:51

Instrument :
 BNA_F
 ClientSampleId :
 G18-1.5-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	47.7	31.4	47.2#

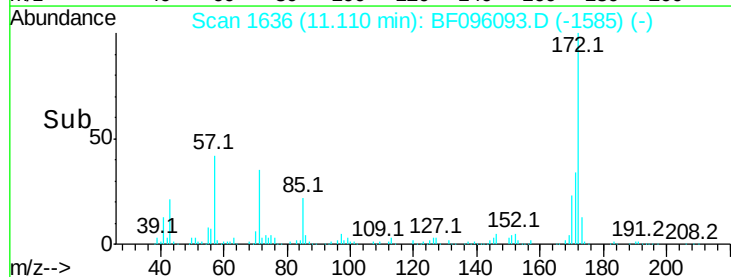
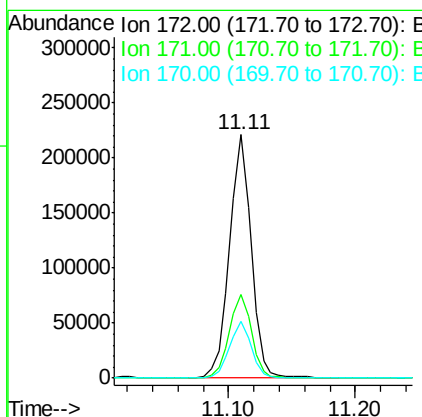
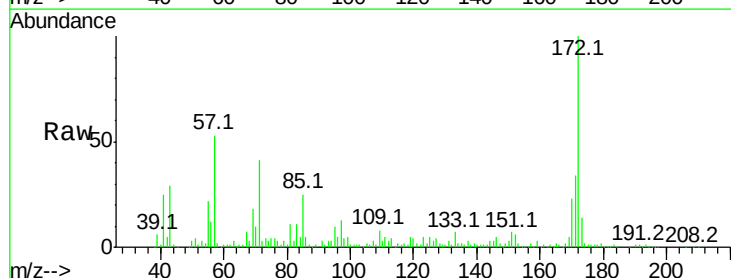
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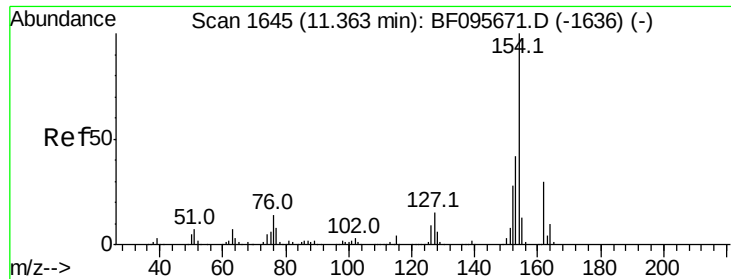
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#44
 2-Fluorobiphenyl
 Concen: 36.68 ng
 RT: 11.11 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: BF096093.D
 Acq: 21 Jun 2017 19:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	23.5	19.8	29.8





#45

1,1'-Biphenyl

Concen: 2.52 ng

RT: 11.27 min Scan# 1663

Delta R.T. 0.01 min

Lab File: BF096093.D

Acq: 21 Jun 2017 19:51

Instrument :

BNA_F

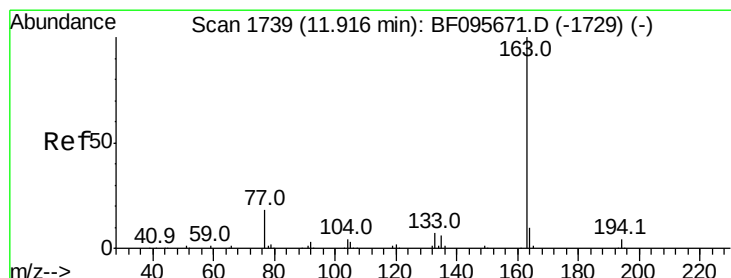
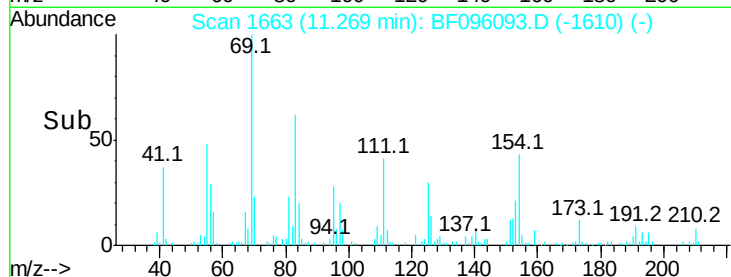
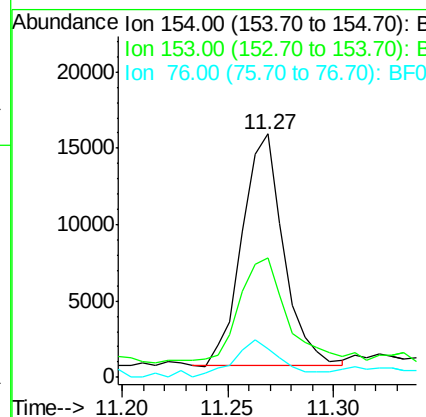
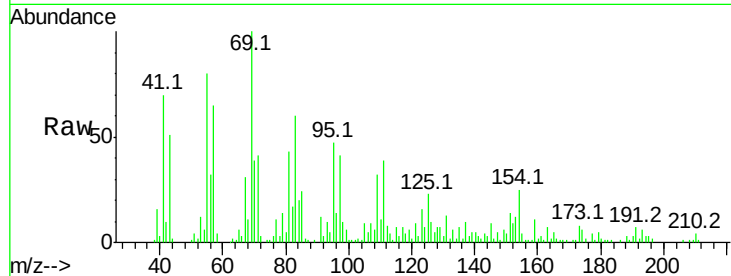
ClientSampleId :

G18-1.5-3

Tot Ion:	154	Resp:	20678
Ion Ratio	Lower	Upper	
154	100		
153	49.0	21.2	61.2
76	11.5	0.0	29.9

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#49

Dimethylphthalate

Concen: 4.53 ng

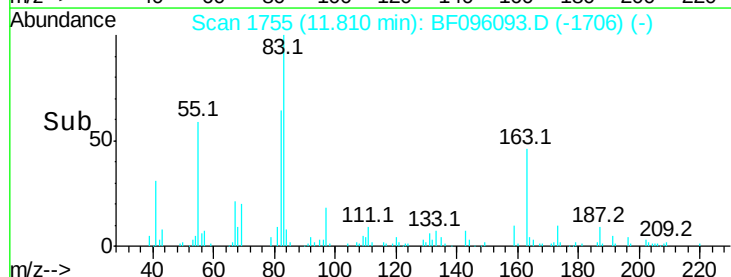
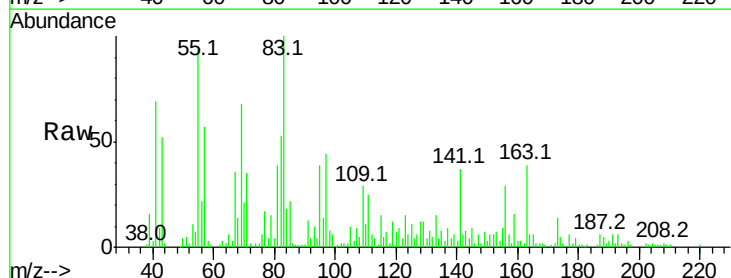
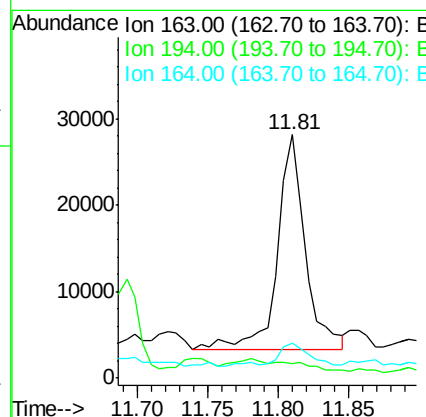
RT: 11.81 min Scan# 1755

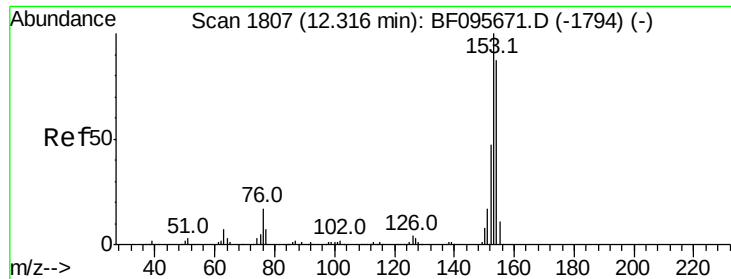
Delta R.T. -0.01 min

Lab File: BF096093.D

Acq: 21 Jun 2017 19:51

Tgt Ion:	163	Resp:	34296
Ion Ratio	Lower	Upper	
163	100		
194	5.9	2.6	4.0#
164	14.3	8.4	12.6#





#51

Acenaphthene

Concen: 2.98 ng

RT: 12.21 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF096093.D

Acq: 21 Jun 2017 19:51

Instrument :

BNA_F

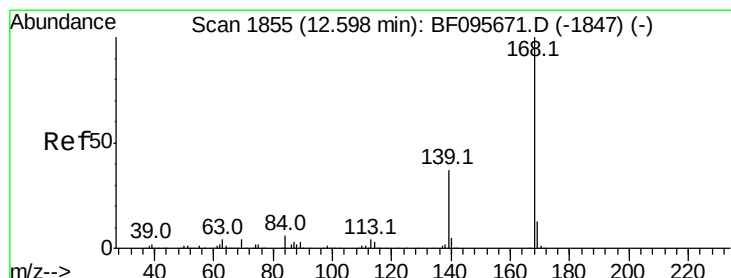
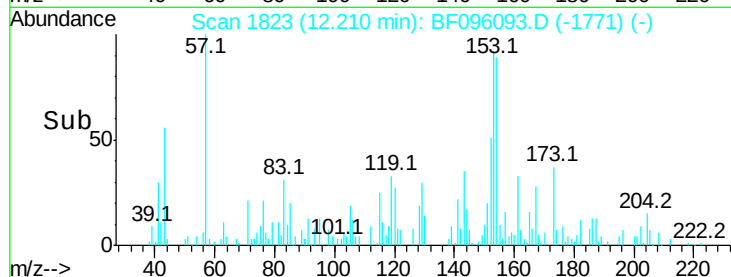
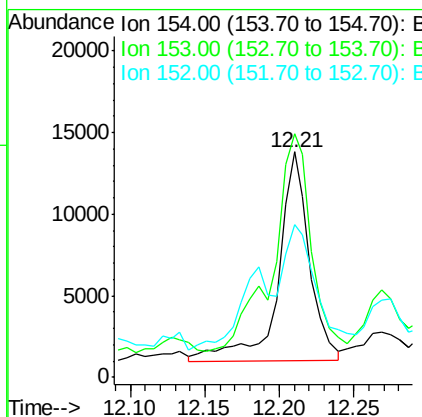
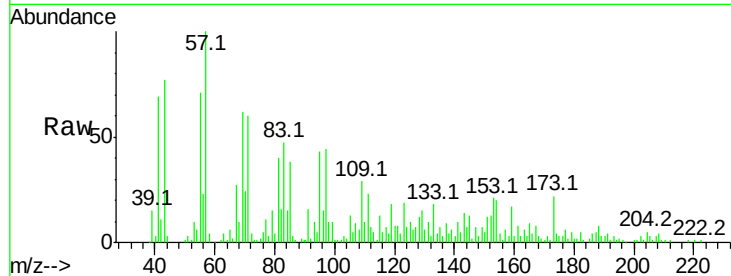
ClientSampleId :

G18-1.5-3

Tot Ion	Ratio	Lower	Upper
154	100		
153	108.1	90.5	135.7
152	68.0	43.6	65.4

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#54

Dibenzofuran

Concen: 3.51 ng

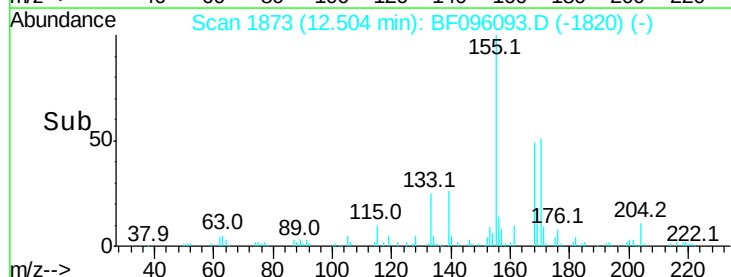
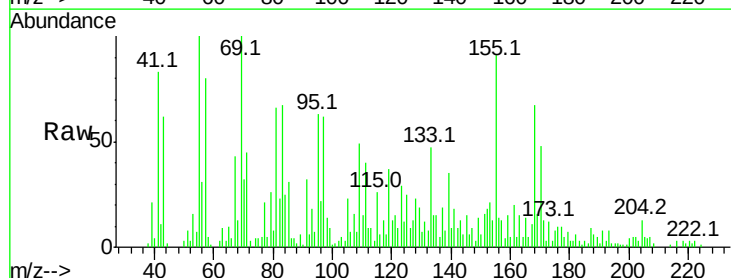
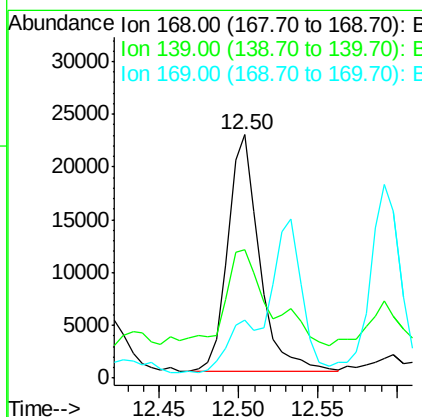
RT: 12.50 min Scan# 1873

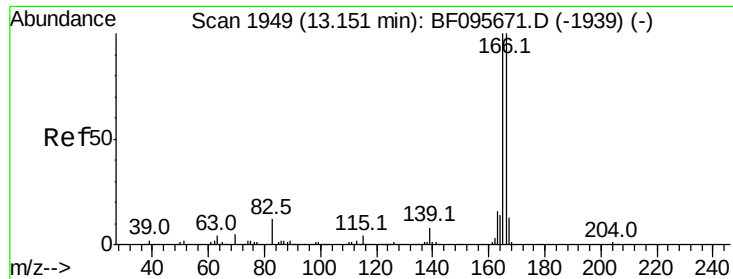
Delta R.T. 0.01 min

Lab File: BF096093.D

Acq: 21 Jun 2017 19:51

Tgt Ion	Ratio	Lower	Upper
168	100		
139	52.7	30.6	45.8
169	24.1	10.8	16.2





#57

Fluorene

Concen: 4.67 ng

RT: 13.05 min Scan# 1966

Delta R.T. 0.01 min

Lab File: BF096093.D

Acq: 21 Jun 2017 19:51

Instrument :

BNA_F

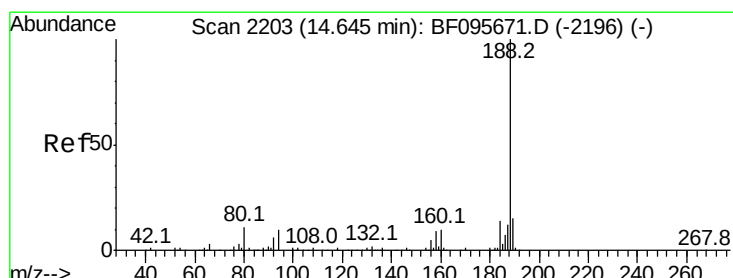
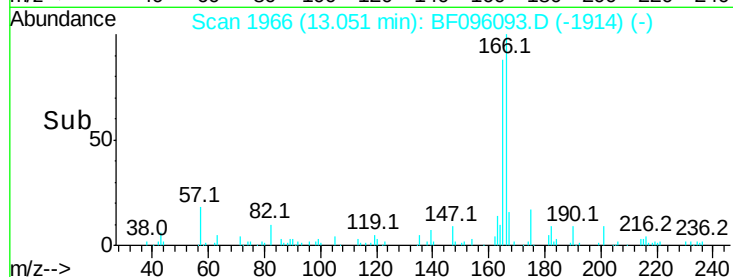
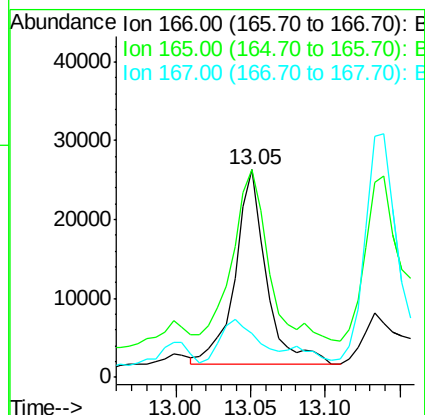
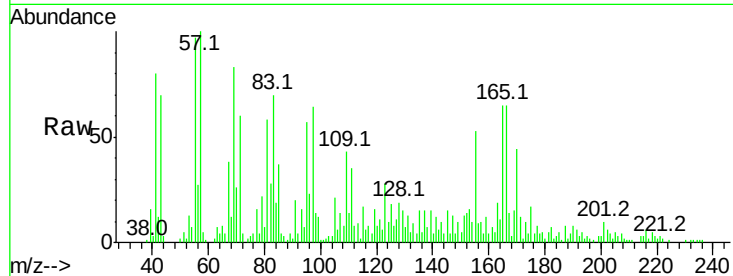
ClientSampleId :

G18-1.5-3

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.8	118.2
167	21.5	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.00 ng

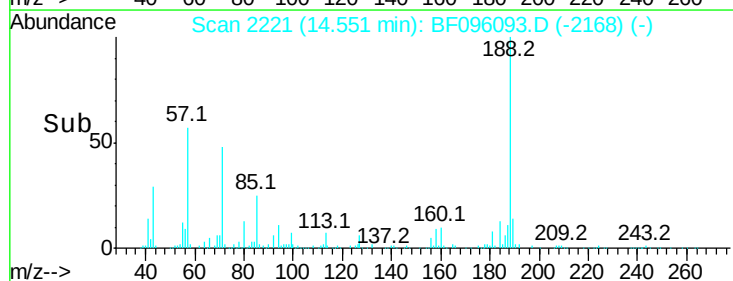
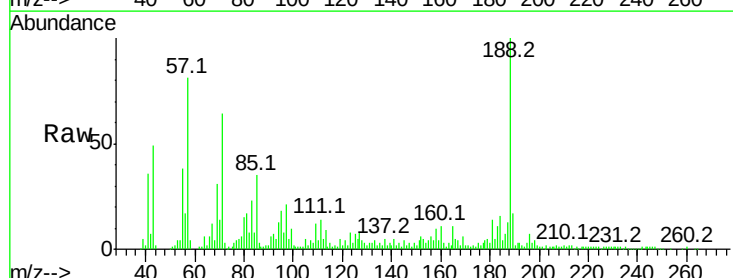
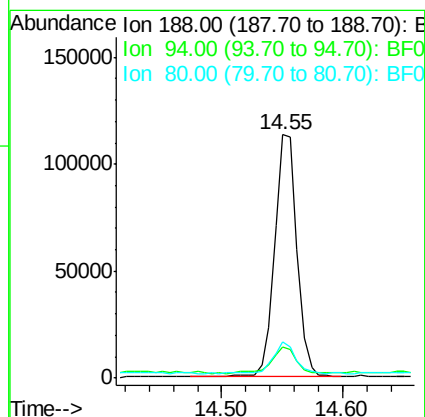
RT: 14.55 min Scan# 2221

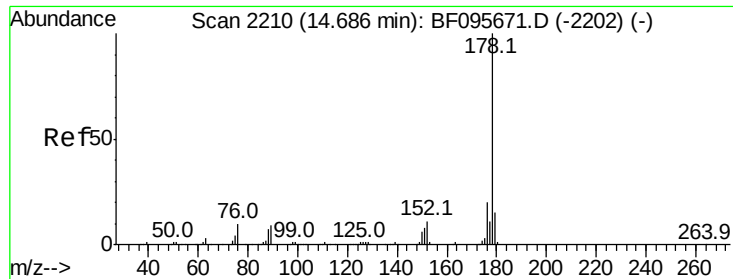
Delta R.T. 0.01 min

Lab File: BF096093.D

Acq: 21 Jun 2017 19:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.0	9.4	14.2
80	14.8	10.2	15.2





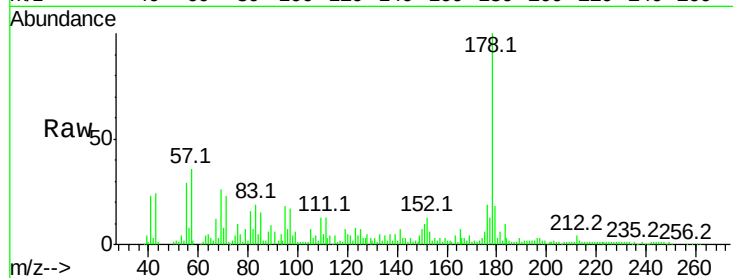
#70
Phenanthrene
Concen: 14.56 ng
RT: 14.59 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF096093.D
Acq: 21 Jun 2017 19:51

Instrument :
BNA_F
ClientSampled :
G18-1.5-3

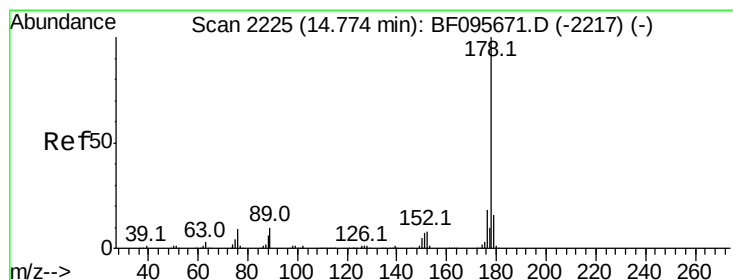
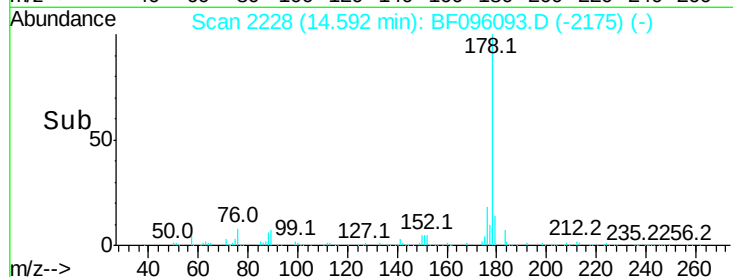
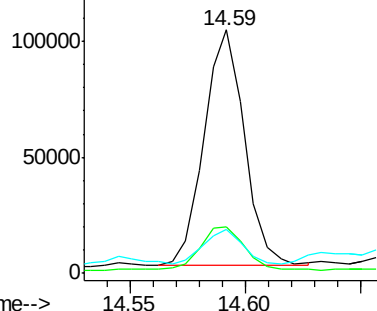
Tot Ion	Ratio	Resp	Lower	Upper
178	100	123149		
176	18.9	16.2	24.4	
179	18.2	12.6	19.0	

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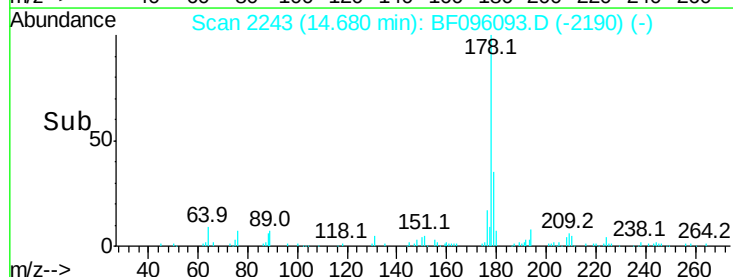
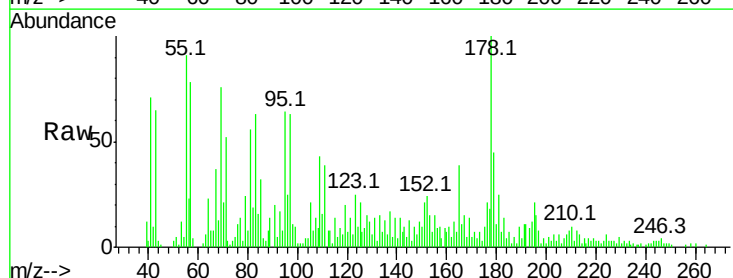
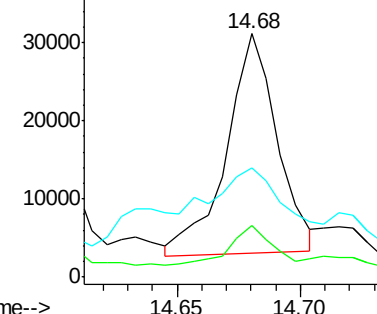
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

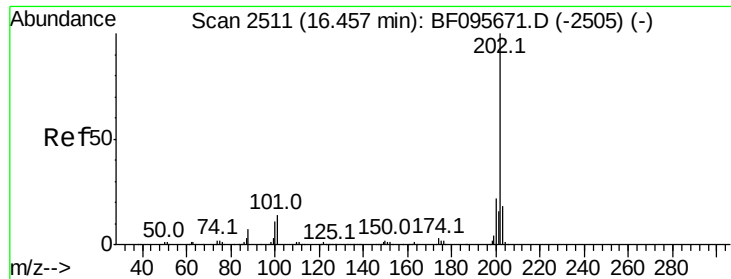


#71
Anthracene
Concen: 4.55 ng m
RT: 14.68 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF096093.D
Acq: 21 Jun 2017 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	40143		
176	20.9	15.8	23.8	
179	45.1	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: 13.07 ng

RT: 16.38 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BF096093.D

Acq: 21 Jun 2017 19:51

Instrument :

BNA_F

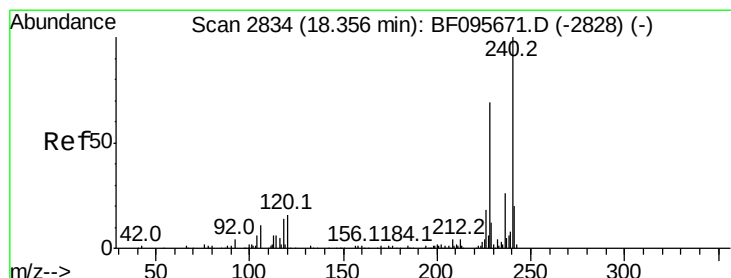
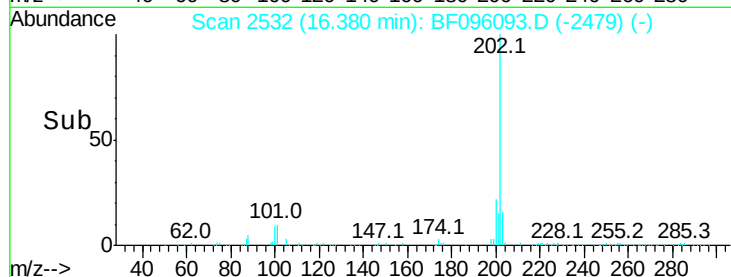
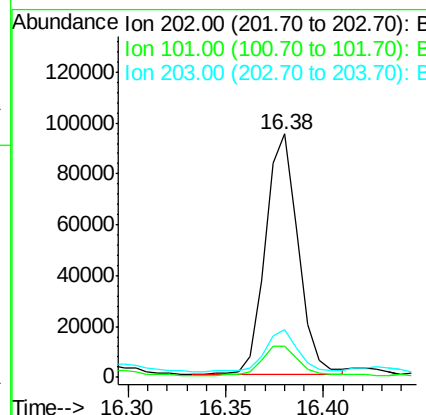
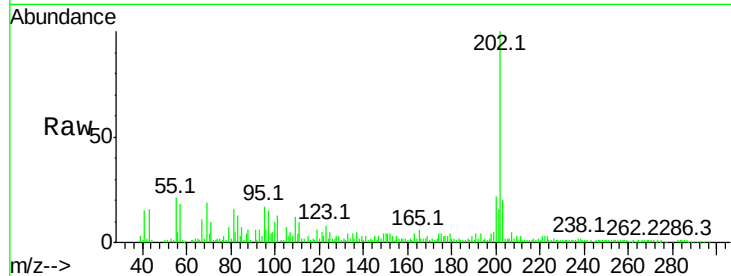
ClientSampleId :

G18-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.0	0.0	33.2
203	19.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

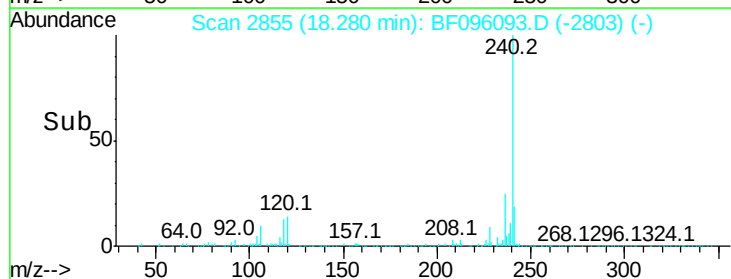
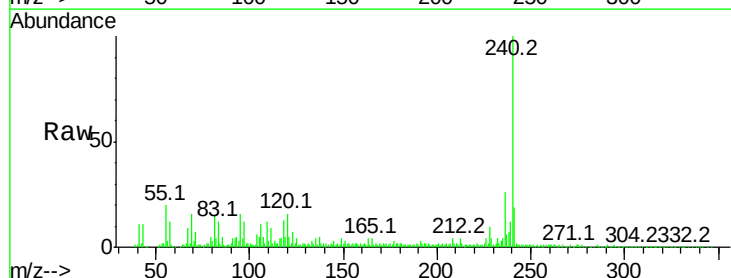
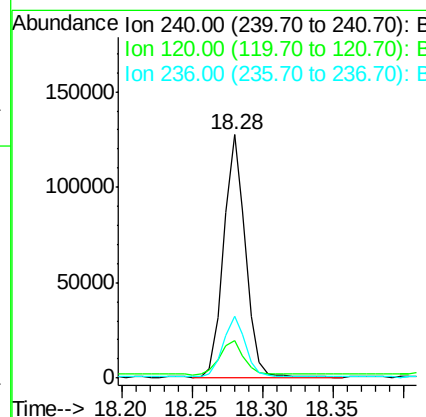
RT: 18.28 min Scan# 2855

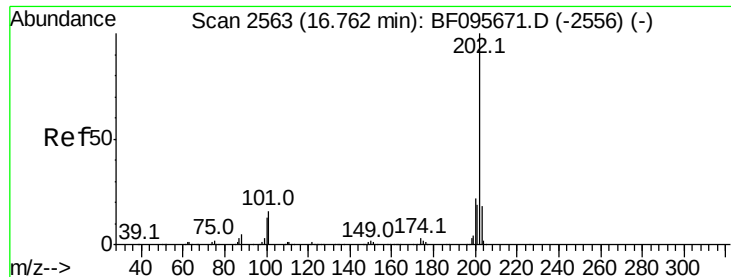
Delta R.T. 0.01 min

Lab File: BF096093.D

Acq: 21 Jun 2017 19:51

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.5	5.8	8.8#
236	25.6	20.5	30.7





#77

Pvrene

Concen: 12.90 ng

RT: 16.68 min Scan# 2583

Delta R.T. 0.01 min

Lab File: BF096093.D

Acq: 21 Jun 2017 19:51

Instrument :

BNA_F

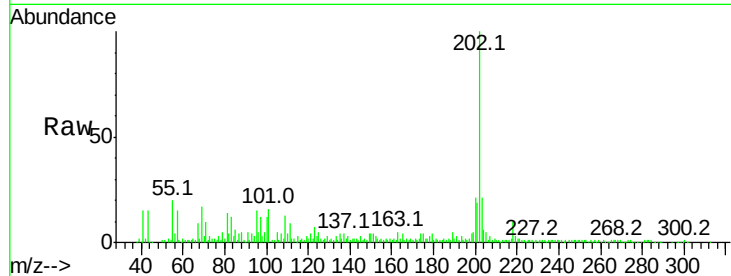
ClientSampled :

G18-1.5-3

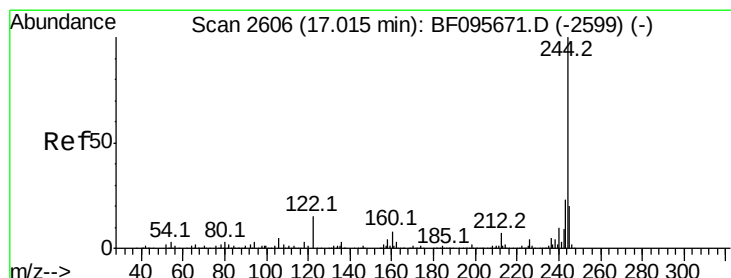
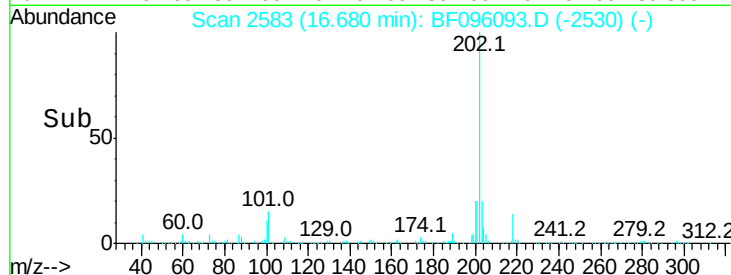
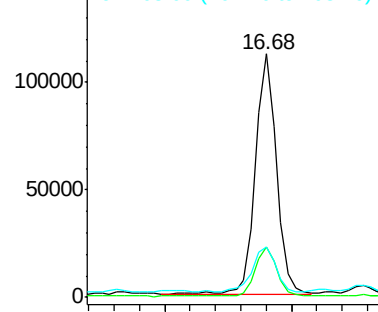
Tot Ion:	202	Resp:	130361
Ion Ratio		Lower	Upper
202	100		
200	20.9	17.6	26.4
203	20.5	14.4	21.6

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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: 35.16 ng

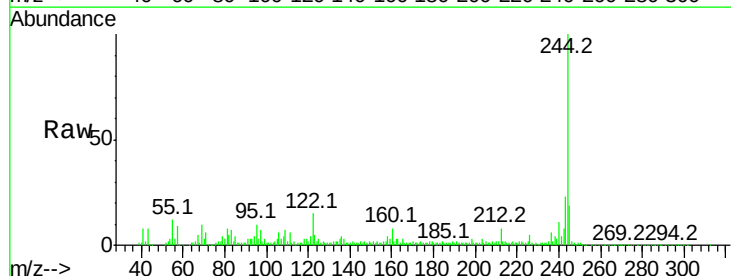
RT: 16.93 min Scan# 2625

Delta R.T. 0.00 min

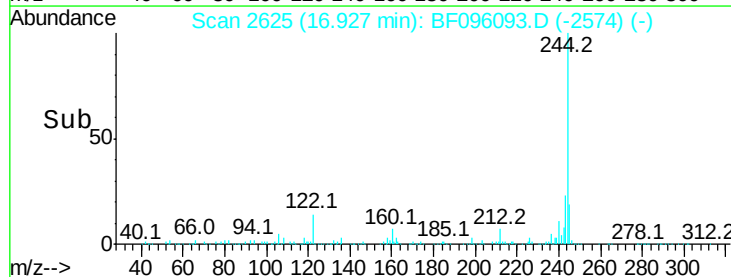
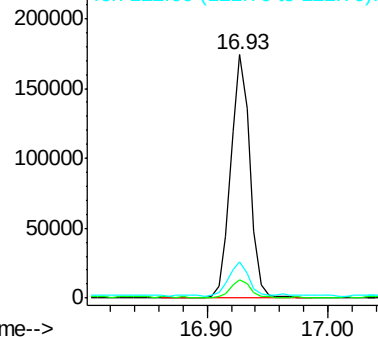
Lab File: BF096093.D

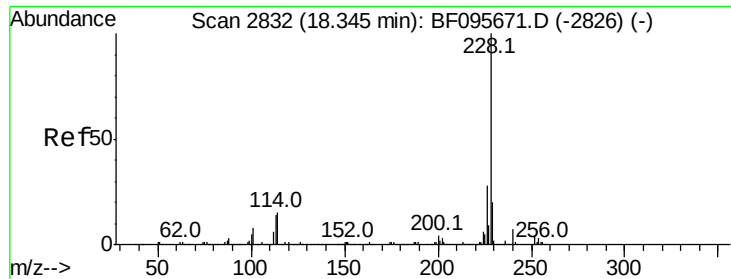
Acq: 21 Jun 2017 19:51

Tgt Ion:	244	Resp:	191787
Ion Ratio		Lower	Upper
244	100		
212	7.5	6.0	9.0
122	15.0	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





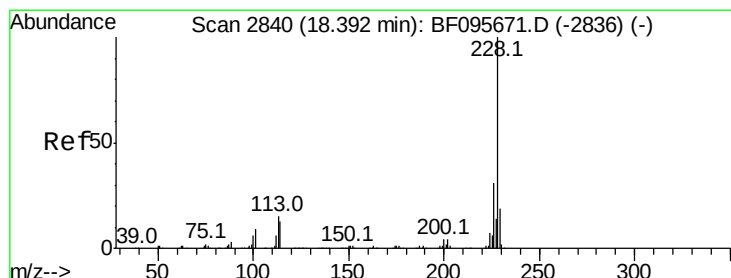
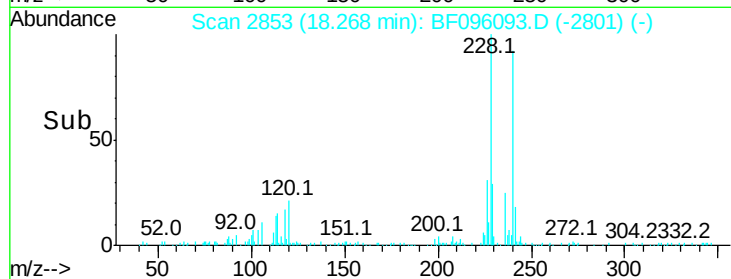
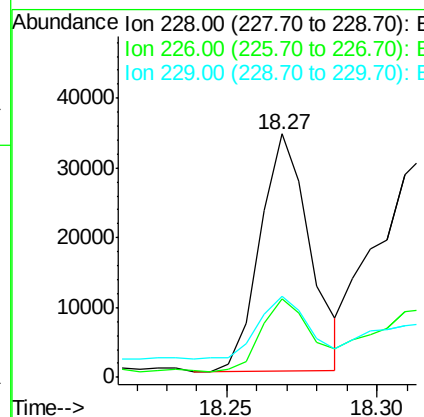
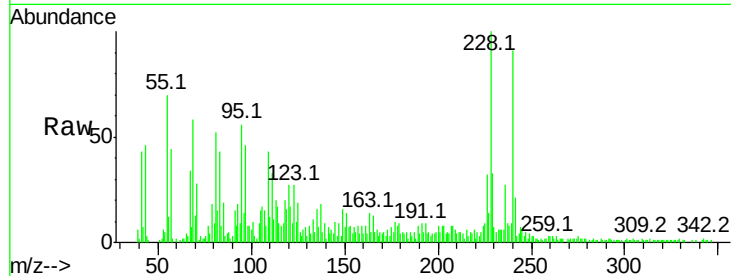
#80
Benzo(a)anthracene
Concen: 5.03 ng m
RT: 18.27 min Scan# 2853
Delta R.T. 0.01 min
Lab File: BF096093.D
Acq: 21 Jun 2017 19:51

Instrument :
BNA_F
ClientSampleId :
G18-1.5-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.6	33.8
229	33.4	16.3	24.5

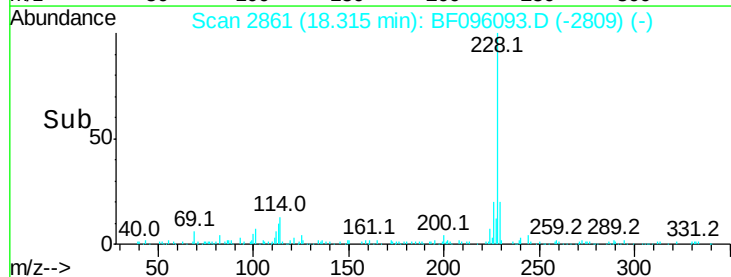
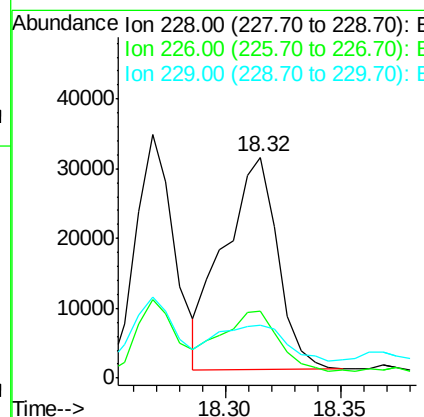
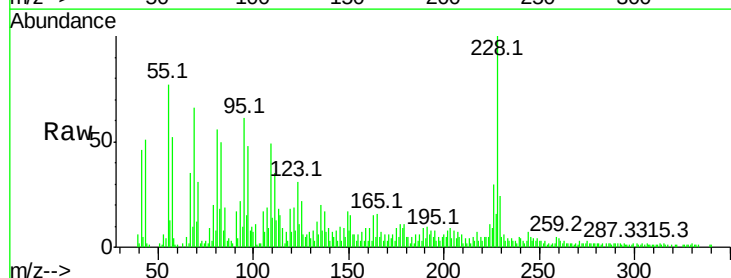
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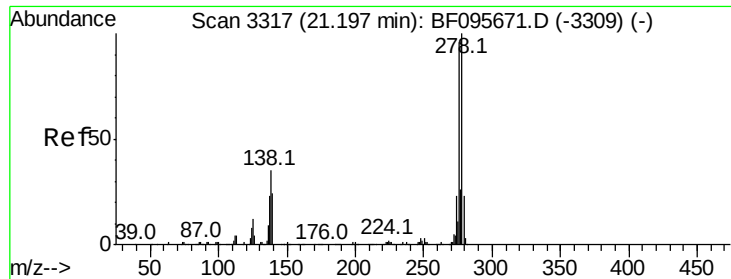
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#82
Chrysene
Concen: 6.25 ng
RT: 18.32 min Scan# 2861
Delta R.T. 0.01 min
Lab File: BF096093.D
Acq: 21 Jun 2017 19:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	24.2	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.60 ng

RT: 21.13 min Scan# 3340

Delta R.T. 0.04 min

Lab File: BF096093.D

Acq: 21 Jun 2017 19:51

Instrument :

BNA_F

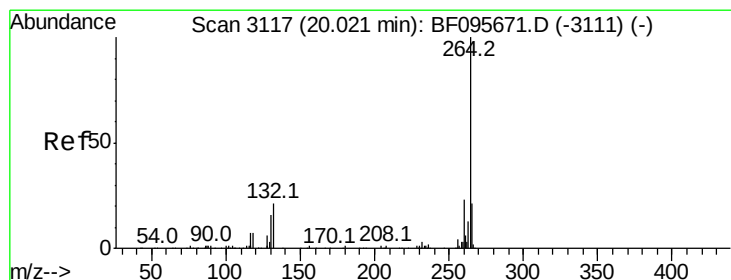
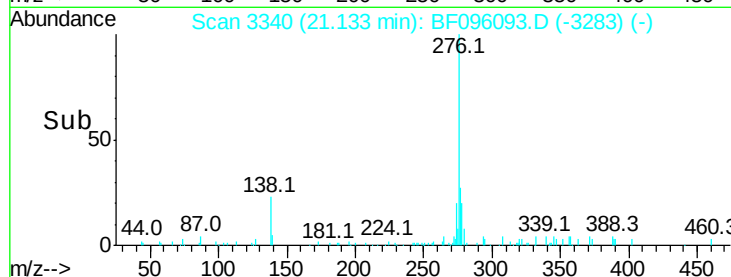
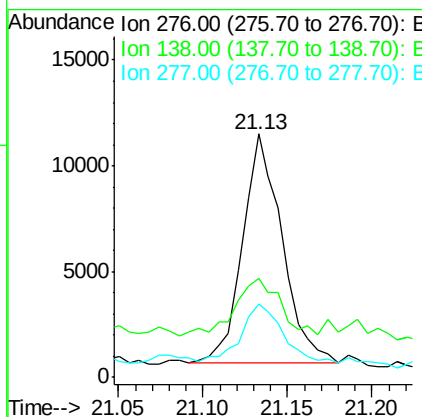
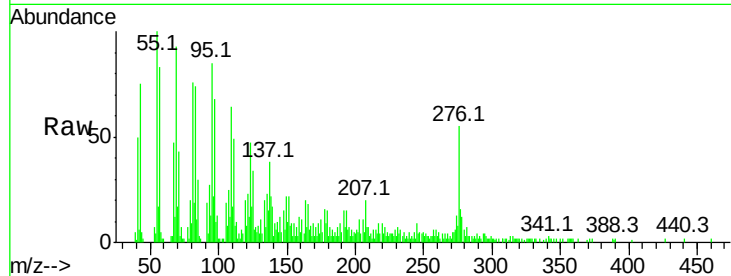
ClientSampleId :

G18-1.5-3

Tot Ion:	276	Resp:	17495
Ion Ratio	Lower	Upper	
276	100		
138	29.1	27.8	41.6
277	27.0	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

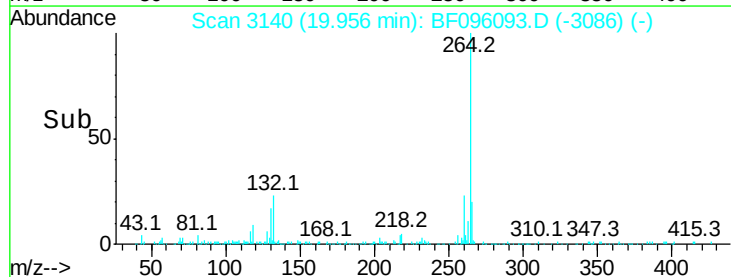
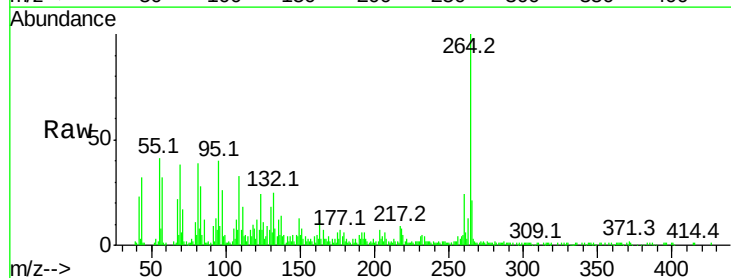
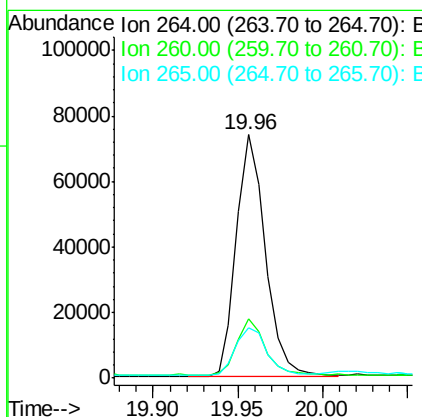
RT: 19.96 min Scan# 3140

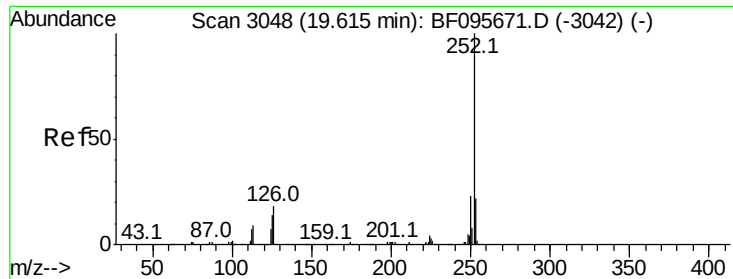
Delta R.T. 0.02 min

Lab File: BF096093.D

Acq: 21 Jun 2017 19:51

Tgt Ion:	264	Resp:	88567
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	20.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 10.03 ng m

RT: 19.56 min Scan# 3072

Delta R.T. 0.02 min

Lab File: BF096093.D

Acq: 21 Jun 2017 19:51

Instrument :

BNA_F

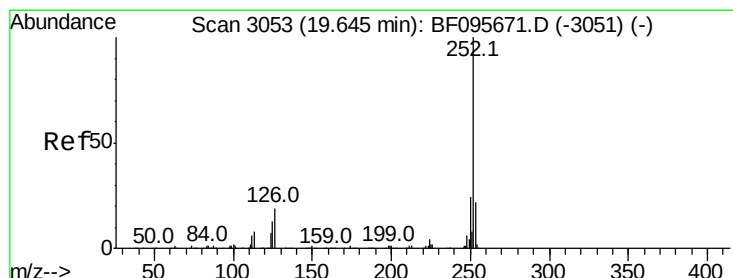
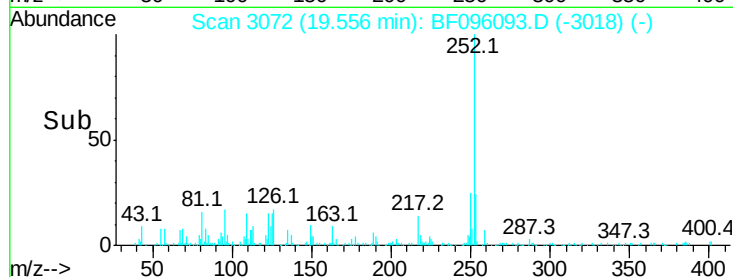
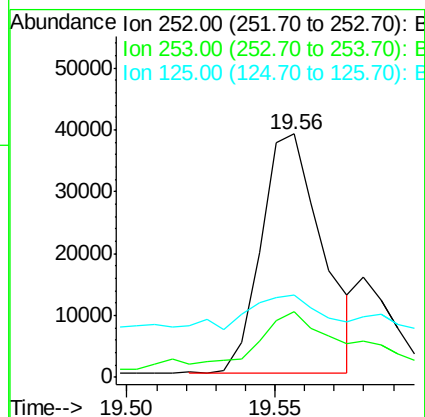
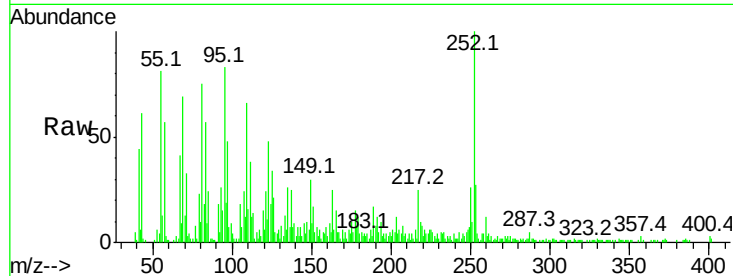
ClientSampled :

G18-1.5-3

Tot Ion:	252	Resp:	55604
Ion Ratio	Lower	Upper	
252	100		
253	27.2	18.1	27.1#
125	34.0	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 2.92 ng m

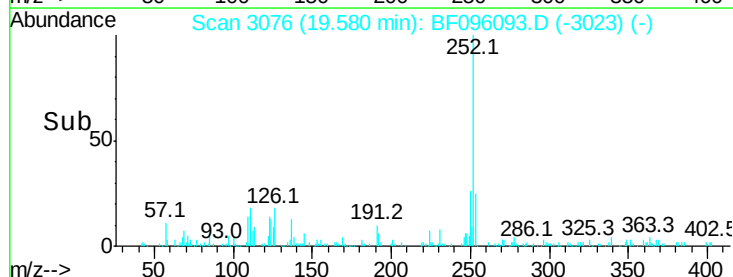
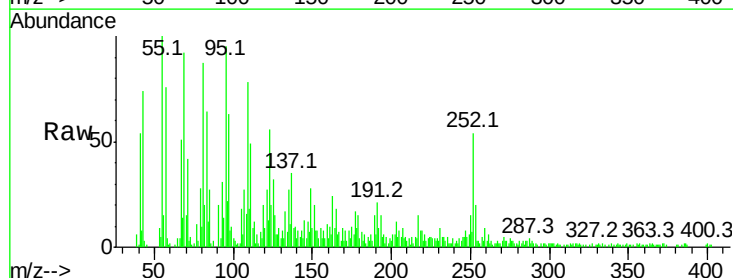
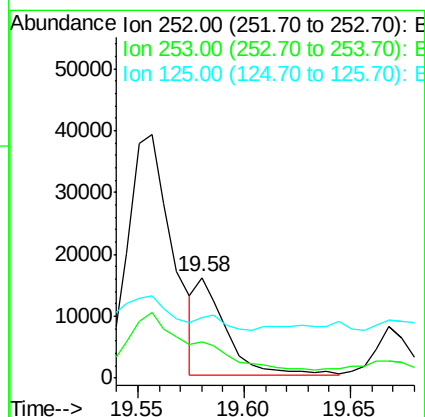
RT: 19.58 min Scan# 3076

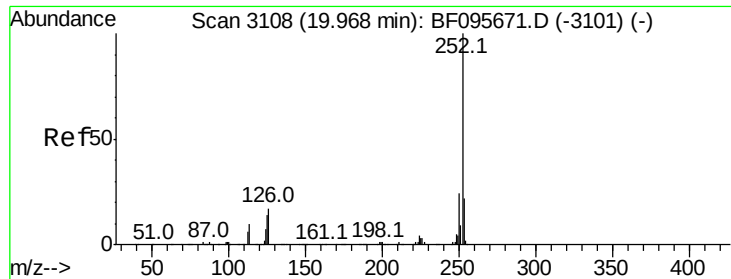
Delta R.T. 0.01 min

Lab File: BF096093.D

Acq: 21 Jun 2017 19:51

Tgt Ion:	252	Resp:	15497
Ion Ratio	Lower	Upper	
252	100		
253	36.5	18.4	27.6#
125	59.7	13.1	19.7#





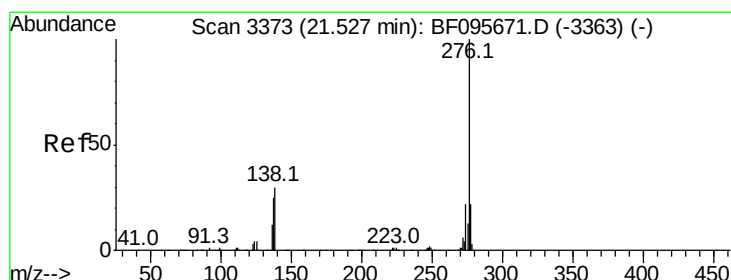
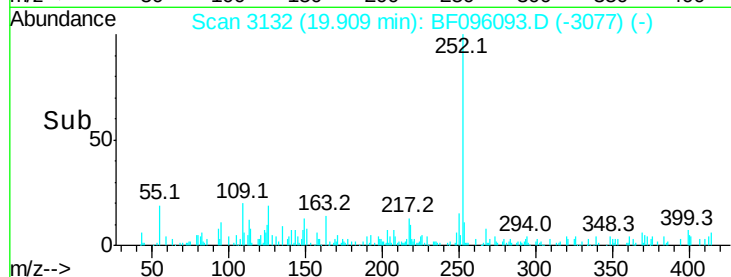
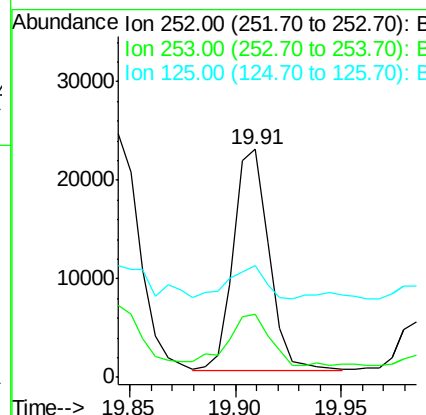
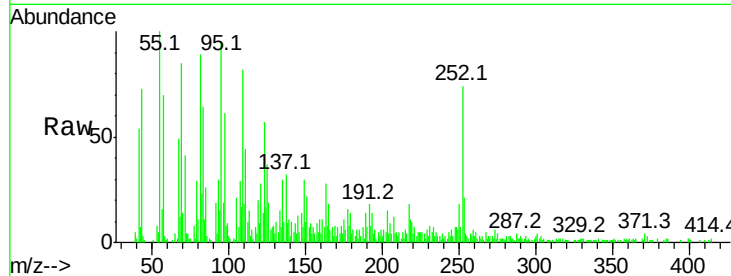
#89
Benzo(a)pyrene
Concen: 5.12 ng
RT: 19.91 min Scan# 3132
Delta R.T. 0.02 min
Lab File: BF096093.D
Acq: 21 Jun 2017 19:51

Instrument :
BNA_F
ClientSampleId :
G18-1.5-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.5	26.3#
125	49.2	11.0	16.4#

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#91
Benzo(g,h,i)perylene
Concen: 4.29 ng
RT: 21.47 min Scan# 3397
Delta R.T. 0.05 min
Lab File: BF096093.D
Acq: 21 Jun 2017 19:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.8	18.6	28.0#
138	47.0	25.4	38.0#

