

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096257.D
 Acq On : 28 Jun 2017 18:51
 Operator : SJ/MA
 Sample : I3852-10 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-27-1.5-3

Manual Integrations
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Quant Time: Jun 29 04:42:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	152592	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	612956	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	236451	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	381569	20.00	ng	0.00
75) Chrysene-d12	13.93	240	346304	20.00	ng	0.01
86) Perylene-d12	15.36	264	298089	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	273851	25.86	ng	0.00
7) Phenol-d6	6.40	99	327668	25.55	ng	0.01
23) Nitrobenzene-d5	7.33	82	170327	19.24	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	56376	30.30	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	299278	23.18	ng	-0.01
78) Terphenyl-d14	12.87	244	230367	16.60	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.67	152	69464	2.78	ng	99
49) Dimethylphthalate	9.53	163	37646	2.22	ng	99
71) Anthracene	11.37	178	72416	3.40	ng	95
74) Fluoranthene	12.50	202	279440	13.18	ng	95
77) Pyrene	12.73	202	281611	9.89	ng	99
80) Benzo(a)anthracene	13.92	228	168466m	7.98	ng	
82) Chrysene	13.95	228	180163	8.25	ng	94
83) Bis(2-ethylhexyl)phthalate	13.92	149	39720	2.80	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.75	276	101527	5.60	ng	95
87) Benzo(b)fluoranthene	14.95	252	291995m	14.91	ng	
88) Benzo(k)fluoranthene	14.97	252	104898m	5.87	ng	
89) Benzo(a)pyrene	15.30	252	141529	8.18	ng	# 91
91) Benzo(a,h,i)perylene	17.17	276	87014	6.18	ng	98

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

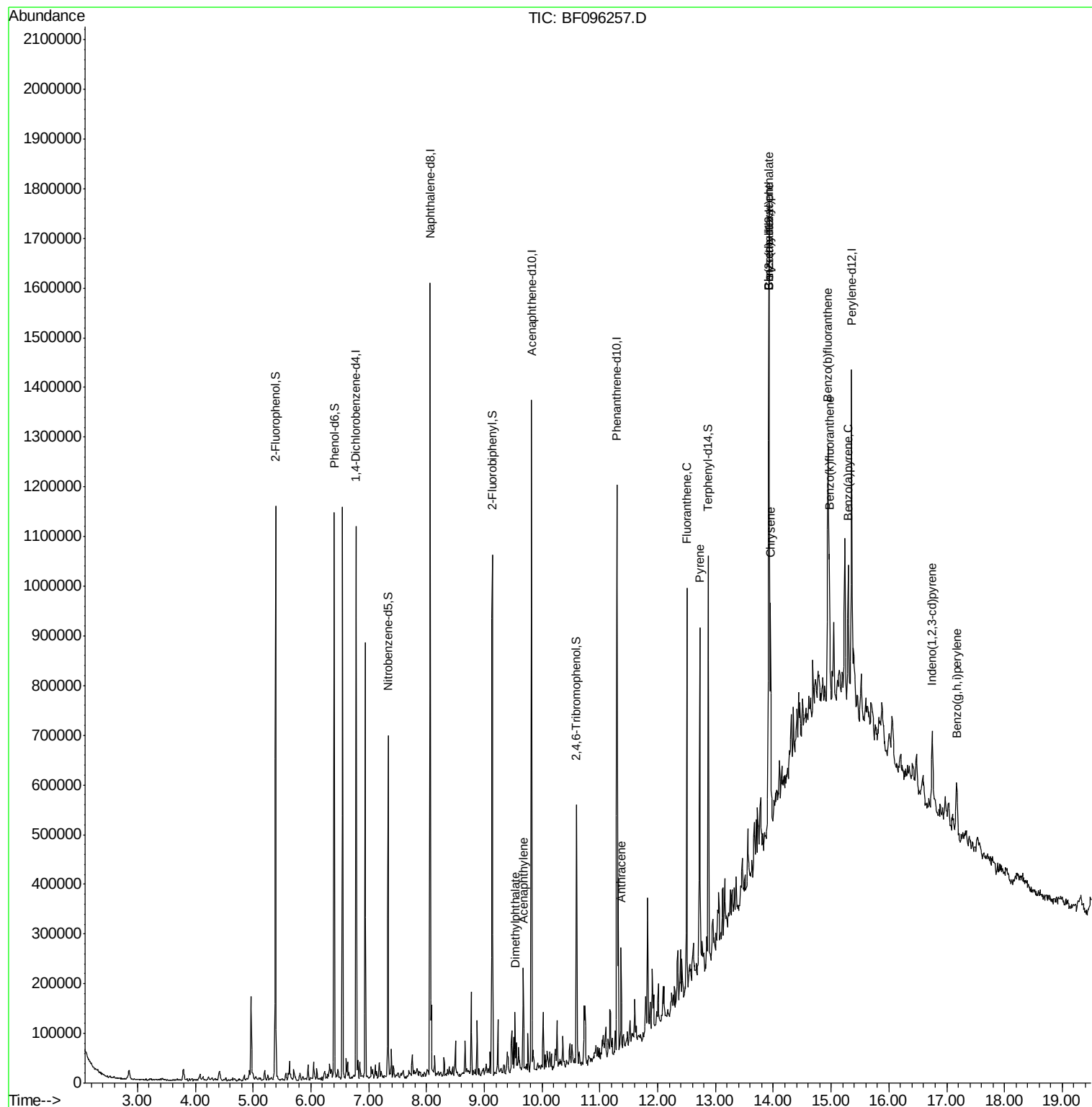
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096257.D
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Operator : SJ/MA
Sample : I3852-10 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

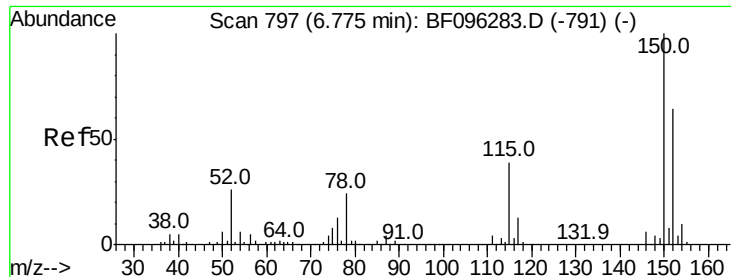
Instrument :
BNA_F
ClientSampleID :
G-27-1.5-3

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#1

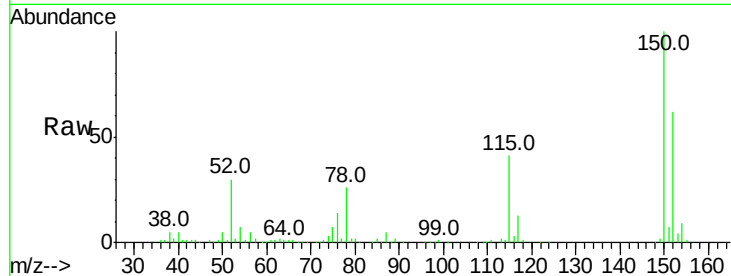
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096257.D
Acq: 28 Jun 2017 18:51

Instrument :
BNA_F
ClientSampleId :
G-27-1.5-3

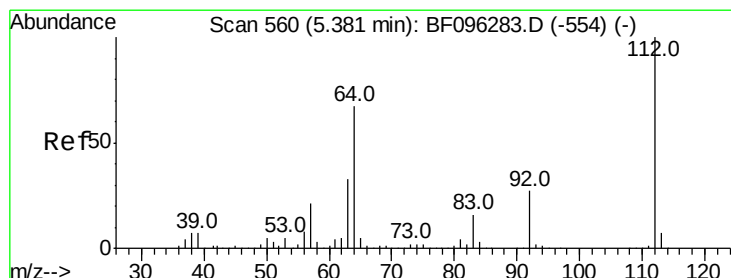
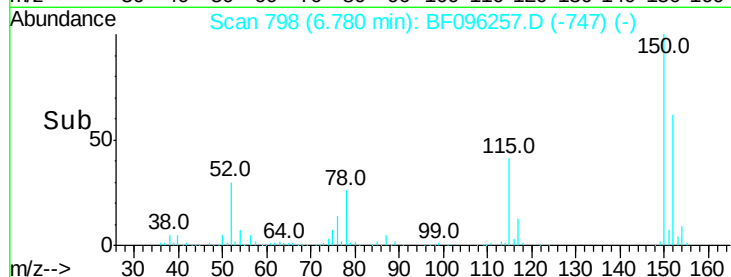
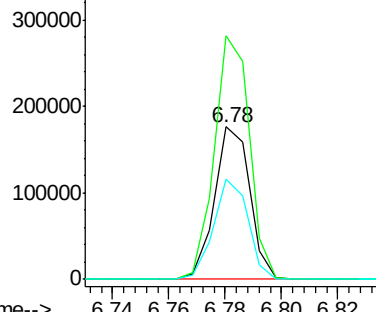
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	126.2	189.2
115	66.3	52.2	78.2

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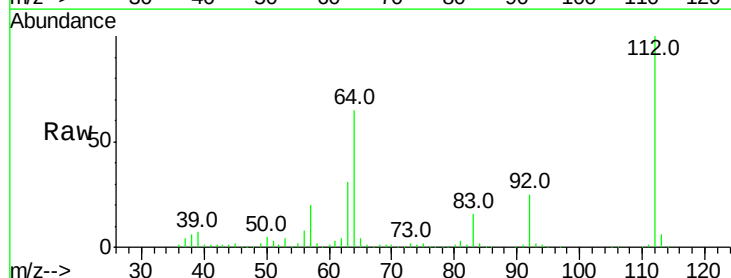
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



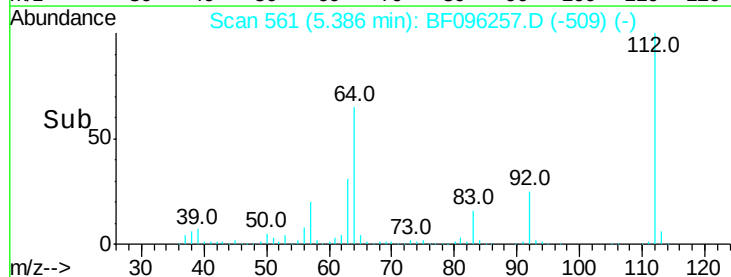
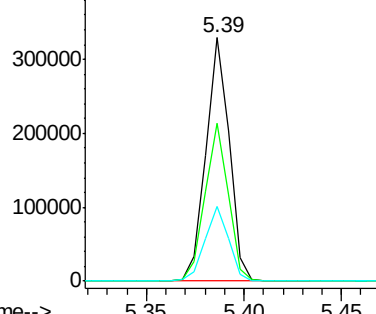
#5

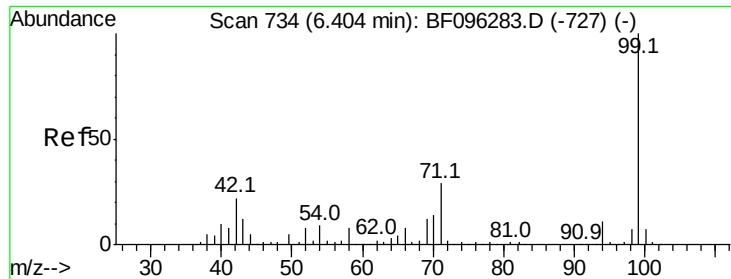
2-Fluorophenol
Concen: 25.86 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096257.D
Acq: 28 Jun 2017 18:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	46.0	69.0
63	30.5	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: 25.55 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096257.D

Acq: 28 Jun 2017 18:51

Instrument :

BNA_F

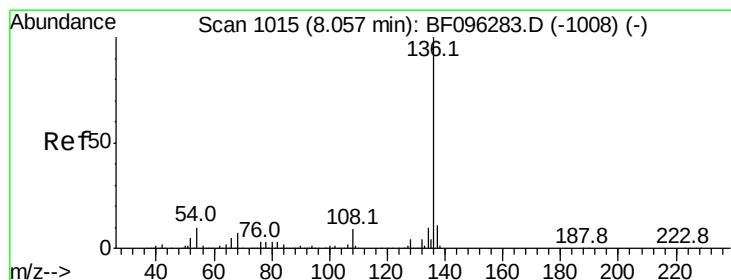
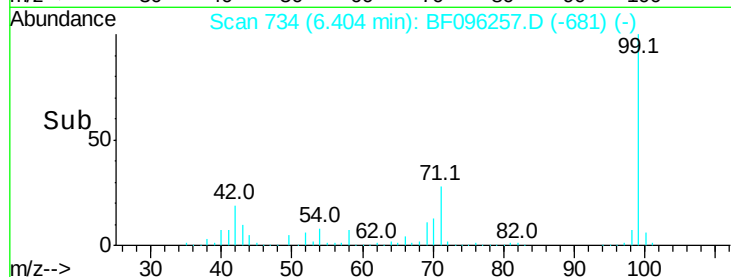
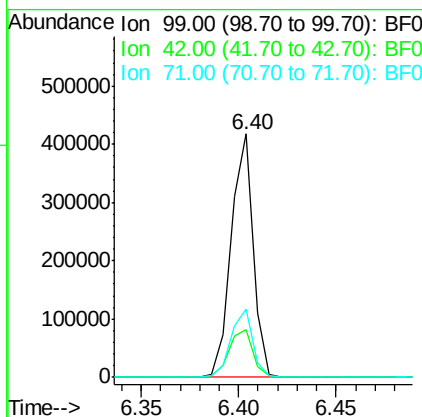
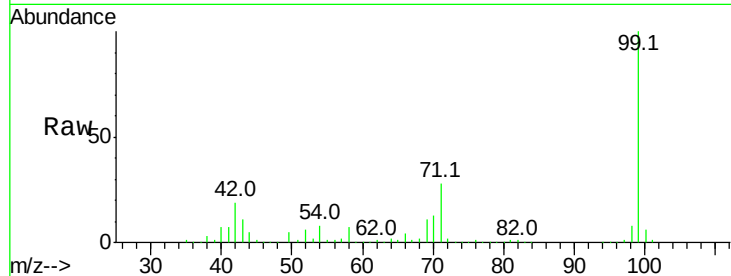
ClientSampled :

G-27-1.5-3

Tot Ion	99	Resp	327668
Ion Ratio	Lower	Upper	
99	100		
42	19.5	13.5	20.3
71	27.8	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

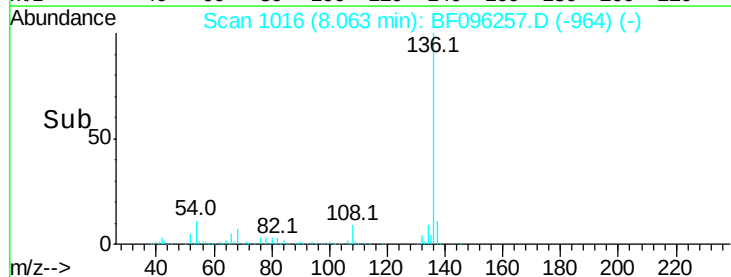
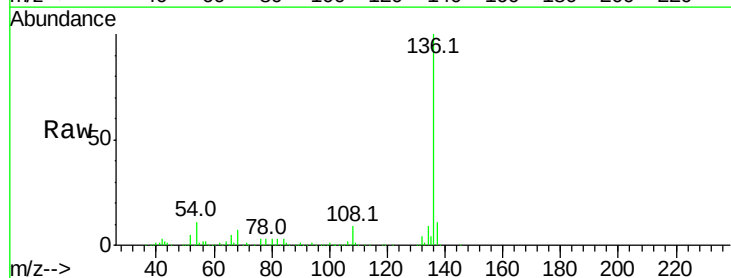
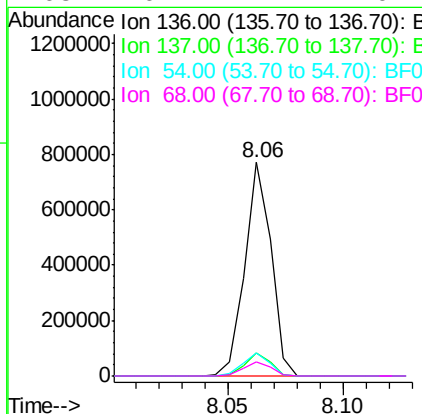
RT: 8.06 min Scan# 1016

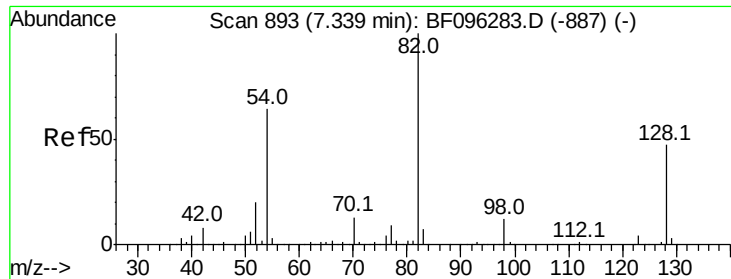
Delta R.T. 0.01 min

Lab File: BF096257.D

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Tgt Ion	136	Resp	612956
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	10.7	4.9	7.3#
68	6.7	4.1	6.1#





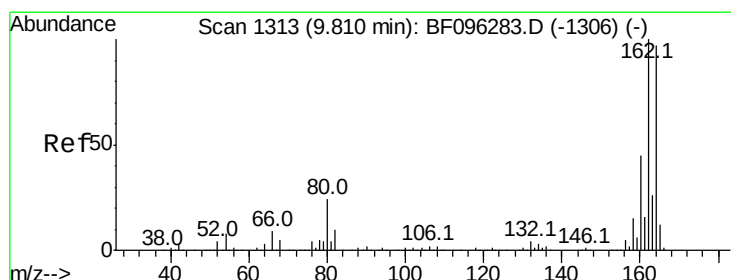
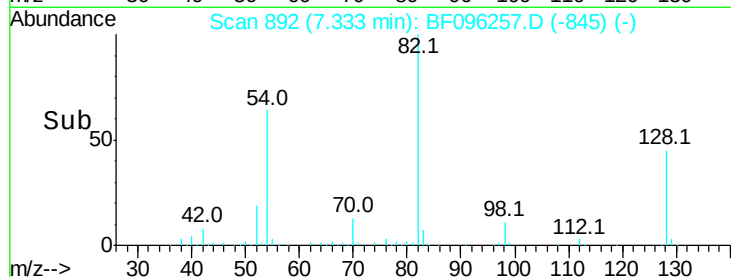
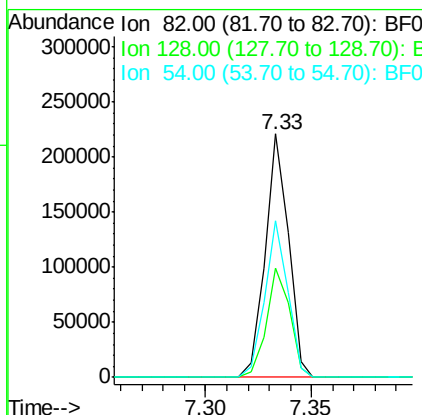
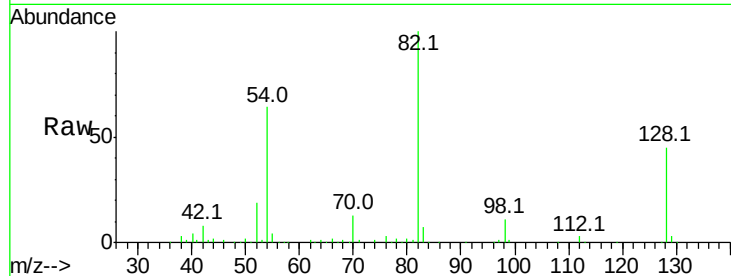
#23
Nitrobenzene-d5
Concen: 19.24 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF096257.D
Acq: 28 Jun 2017 18:51

Instrument :
BNA_F
ClientSampled :
G-27-1.5-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.0	51.0
54	64.4	42.2	63.2

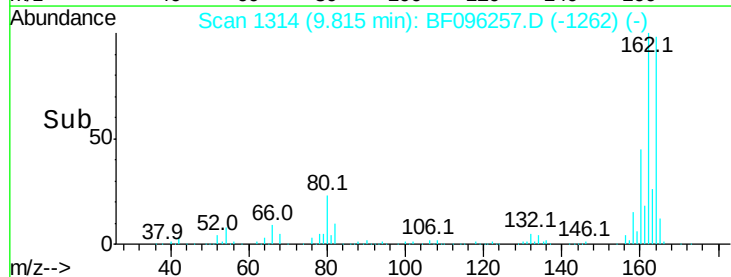
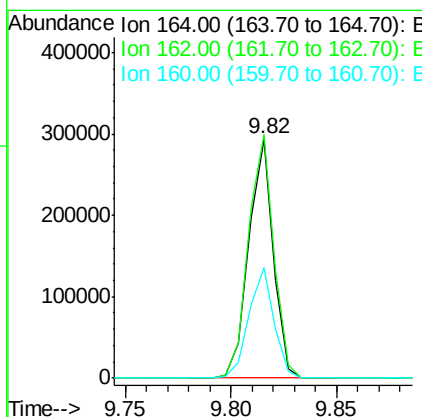
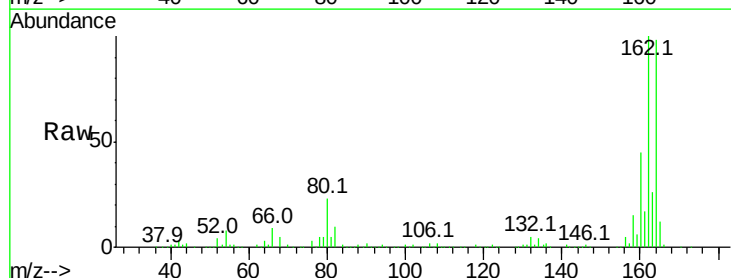
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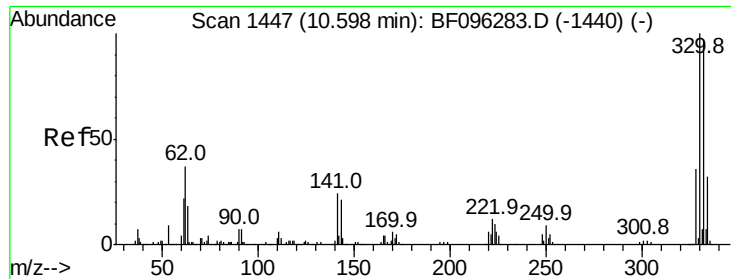
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF096257.D
Acq: 28 Jun 2017 18:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.6	123.8
160	46.2	36.2	54.2





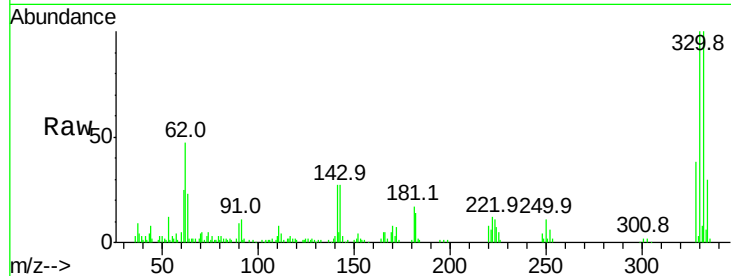
#41
 2,4,6-Tribromophenol
 Concen: 30.30 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.01 min
 Lab File: BF096257.D
 Acq: 28 Jun 2017 18:51

Instrument :
 BNA_F
 ClientSampleId :
 G-27-1.5-3

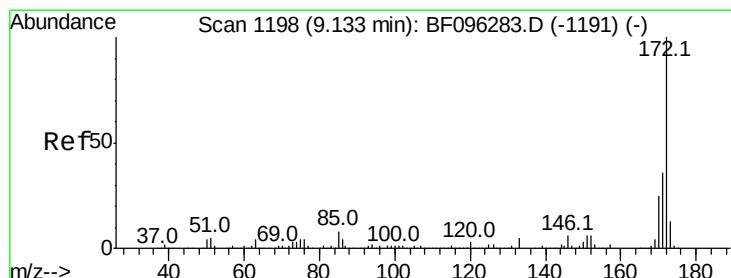
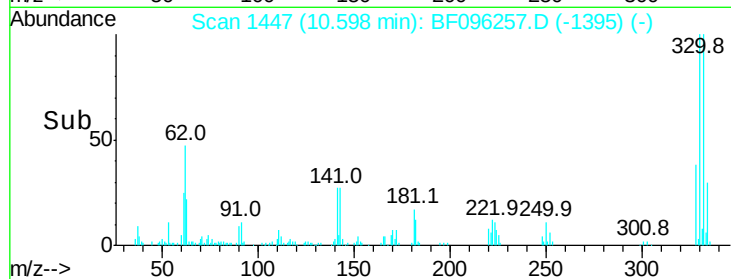
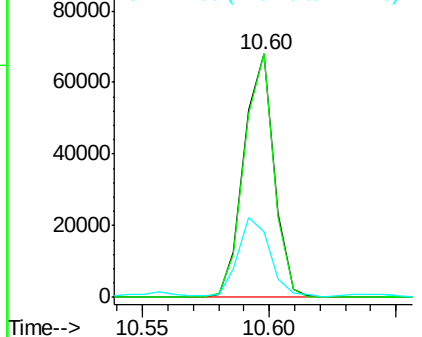
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.2	76.6	115.0	
141	35.5	31.4	47.2	

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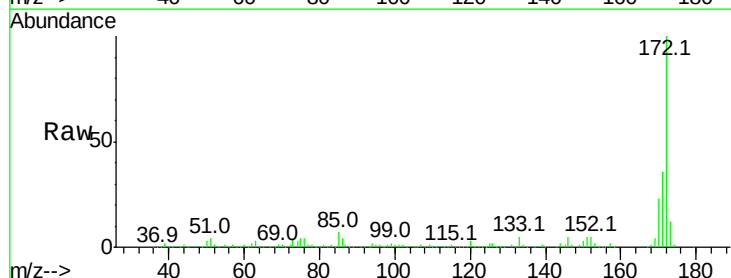


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

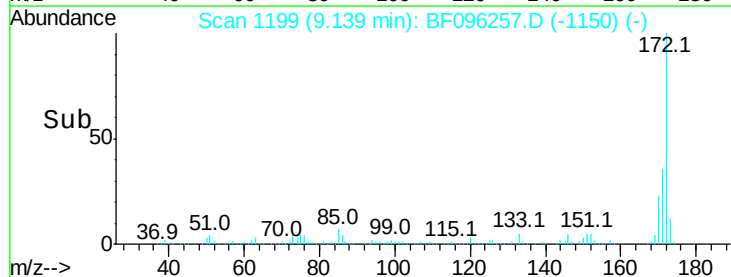
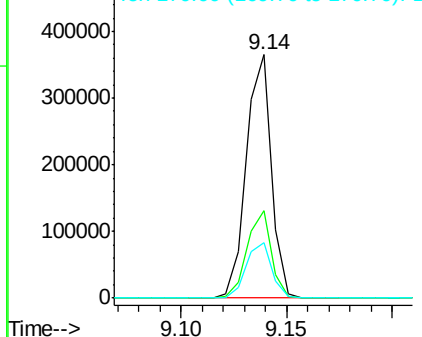


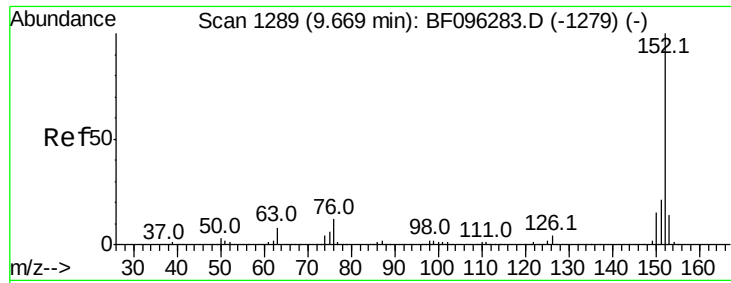
#44
 2-Fluorobiphenyl
 Concen: 23.18 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF096257.D
 Acq: 28 Jun 2017 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.6	44.4	
170	22.8	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





#48

Acenaphthylene

Concen: 2.78 ng

RT: 9.67 min Scan# 1290

Delta R.T. 0.01 min

Lab File: BF096257.D

Acq: 28 Jun 2017 18:51

Instrument :

BNA_F

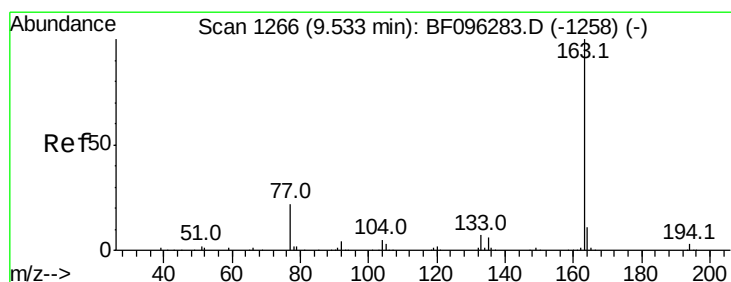
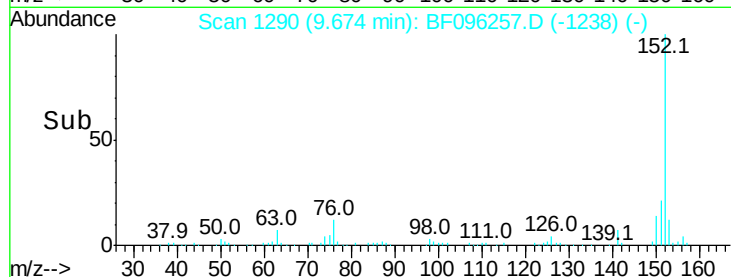
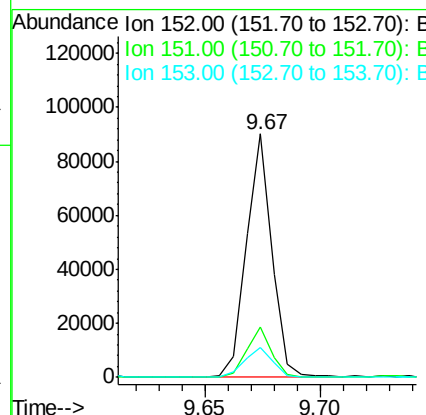
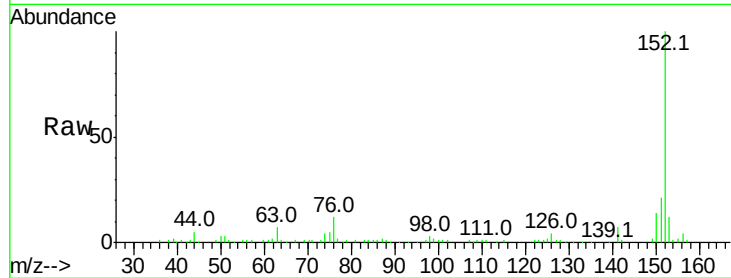
ClientSampleId :

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Tot Ion:	152	Resp:	69464
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.8	25.2
153	12.4	10.8	16.2

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#49

Dimethylphthalate

Concen: 2.22 ng

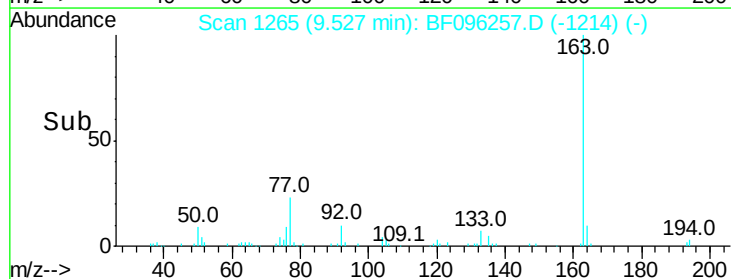
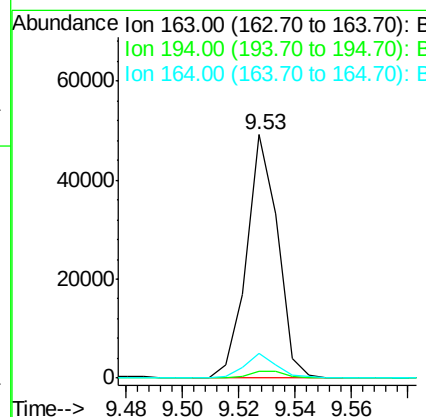
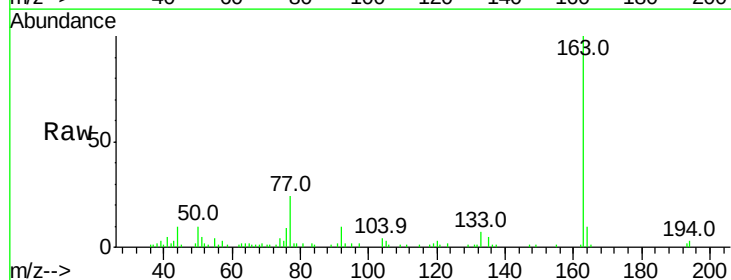
RT: 9.53 min Scan# 1265

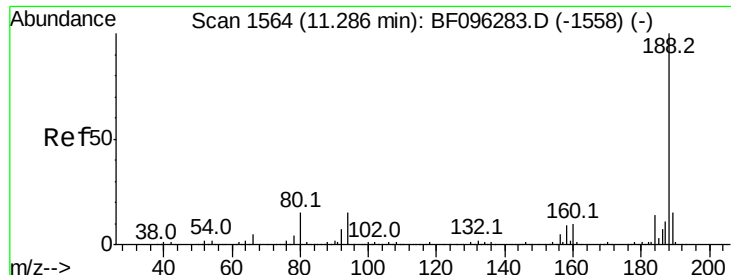
Delta R.T. -0.00 min

Lab File: BF096257.D

Acq: 28 Jun 2017 18:51

Tgt Ion:	163	Resp:	37646
Ion Ratio	Lower	Upper	
163	100		
194	2.7	2.6	4.0
164	10.1	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 1565

Delta R.T. 0.01 min

Lab File: BF096257.D

Acq: 28 Jun 2017 18:51

Instrument :

BNA_F

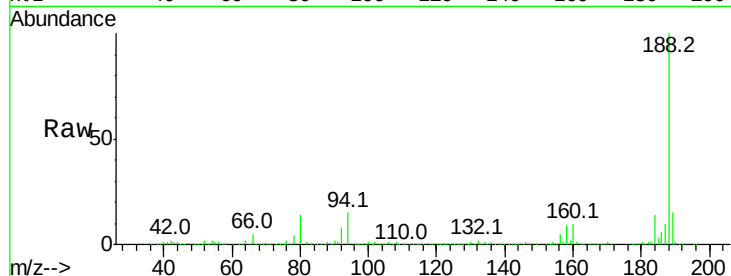
ClientSampled :

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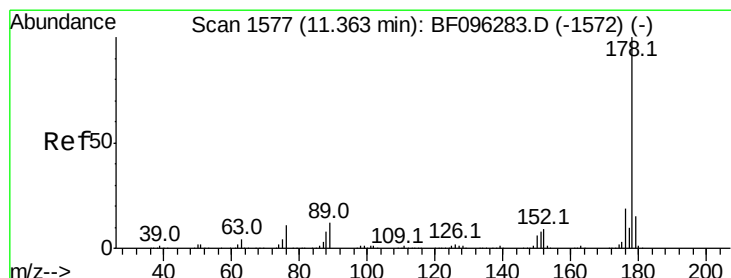
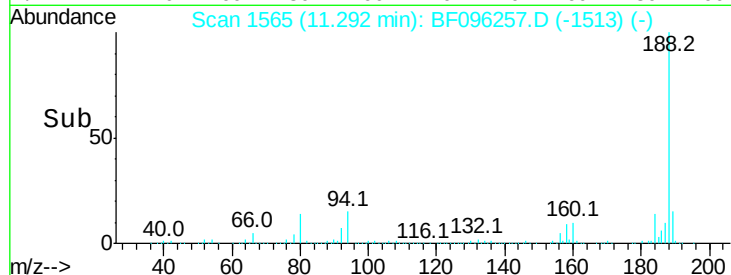
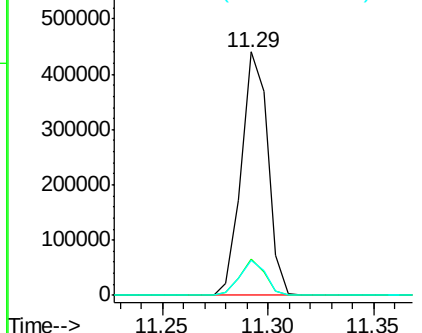
Tot Ion:	188	Resp:	381569
Ion Ratio	Lower	Upper	
188	100		
94	14.6	9.4	14.2#
80	14.4	10.2	15.2

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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



#71

Anthracene

Concen: 3.40 ng

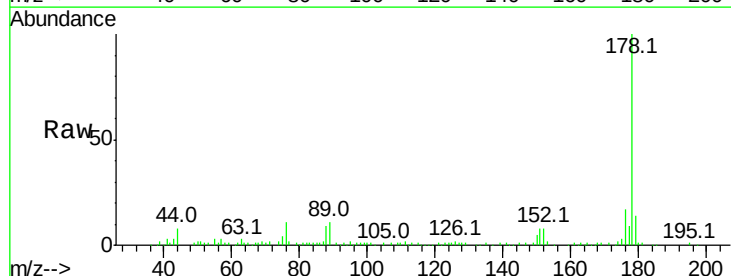
RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

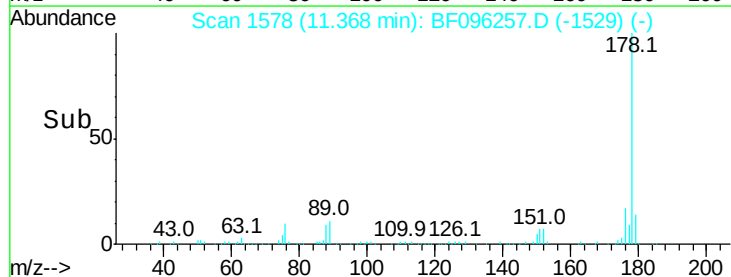
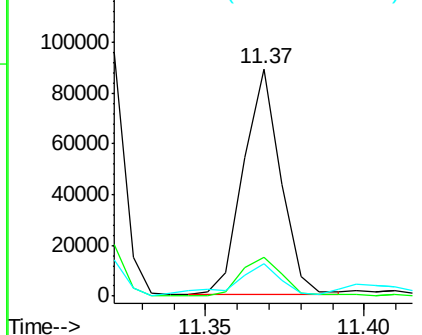
Lab File: BF096257.D

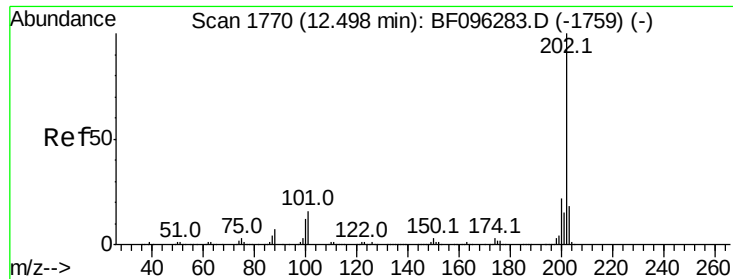
Acq: 28 Jun 2017 18:51

Tgt Ion:	178	Resp:	72416
Ion Ratio	Lower	Upper	
178	100		
176	16.9	15.8	23.8
179	14.3	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: 13.18 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.01 min

Lab File: BF096257.D

Acq: 28 Jun 2017 18:51

Instrument :

BNA_F

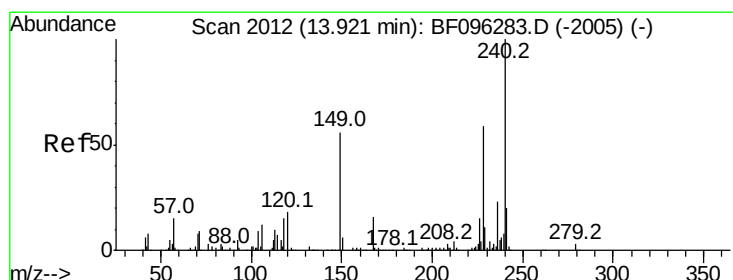
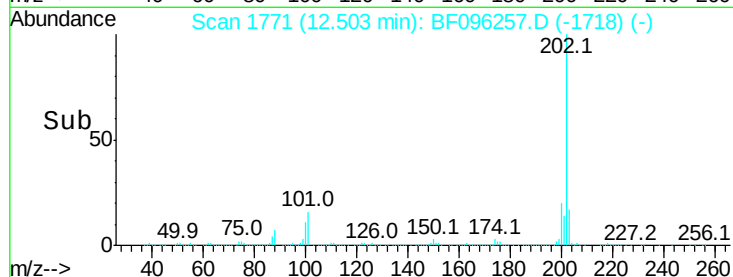
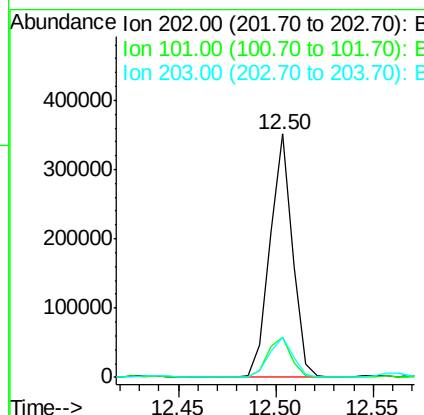
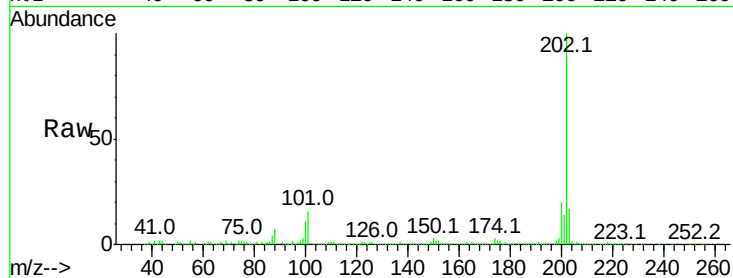
ClientSampleId :

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Tot Ion:	202	Resp:	279440
Ion Ratio	Lower	Upper	
202	100		
101	16.2	0.0	33.2
203	16.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

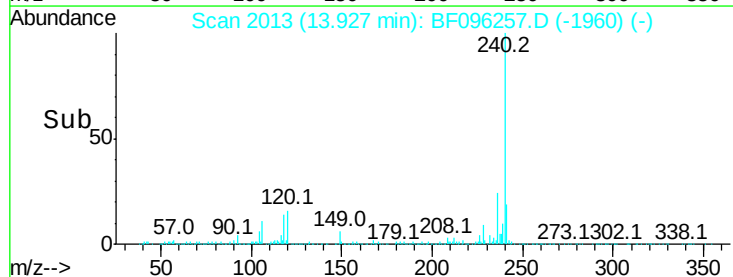
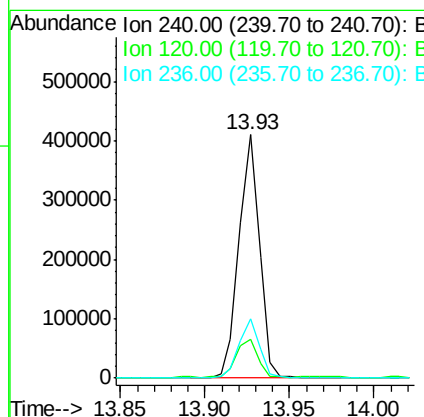
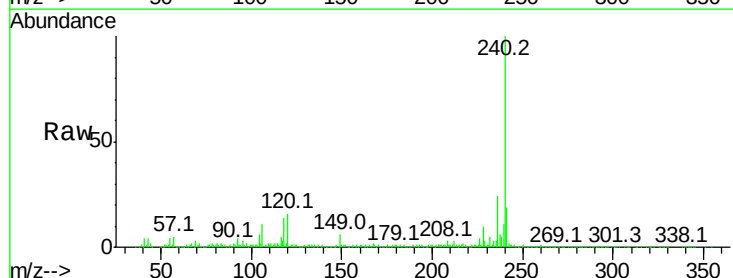
RT: 13.93 min Scan# 2013

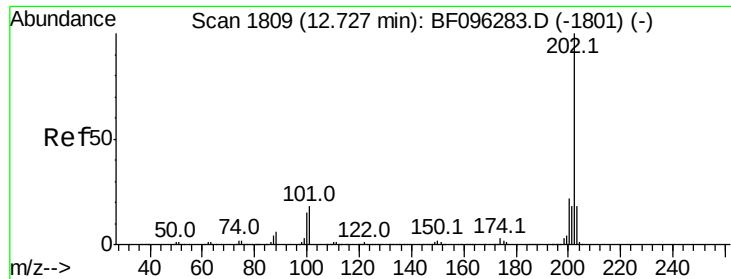
Delta R.T. 0.01 min

Lab File: BF096257.D

Acq: 28 Jun 2017 18:51

Tgt Ion:	240	Resp:	346304
Ion Ratio	Lower	Upper	
240	100		
120	15.9	5.8	8.8#
236	24.4	20.5	30.7





#77

Pvrene

Concen: 9.89 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF096257.D

Acq: 28 Jun 2017 18:51

Instrument :

BNA_F

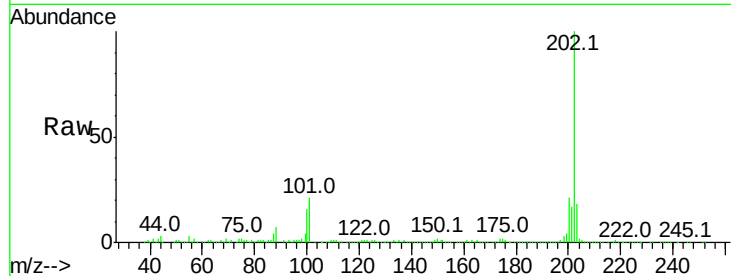
ClientSampleId :

G-27-1.5-3

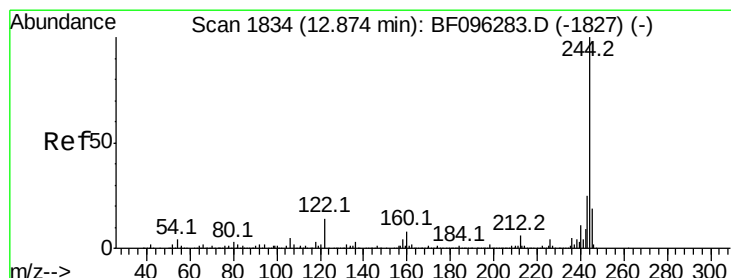
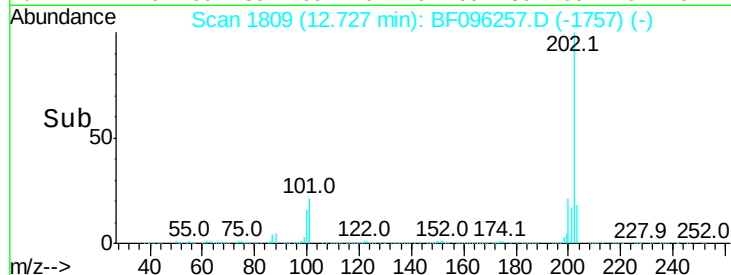
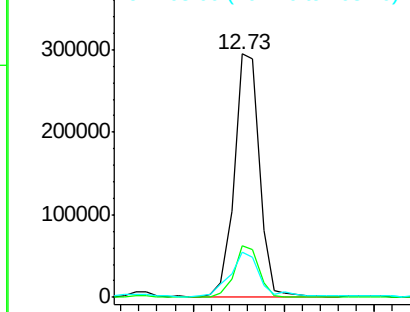
Tot Ion:	202	Resp:	281611
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.6	26.4
203	18.3	14.4	21.6

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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: 16.60 ng

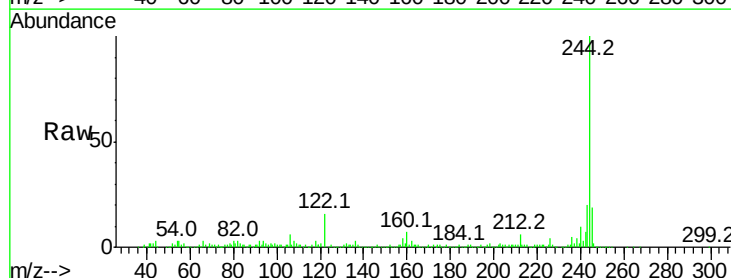
RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

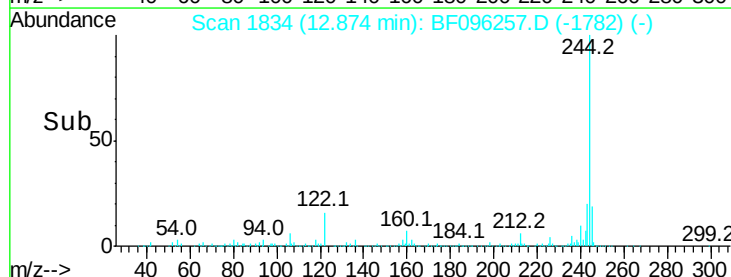
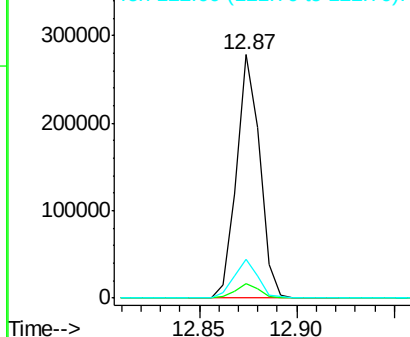
Lab File: BF096257.D

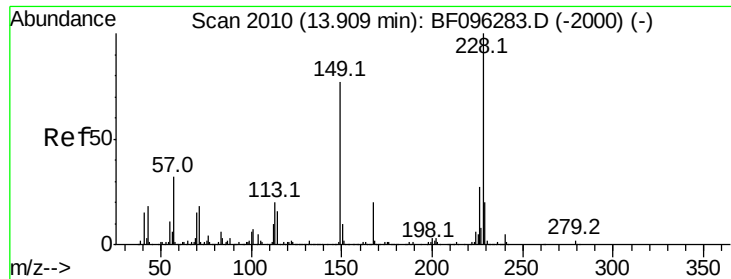
Acq: 28 Jun 2017 18:51

Tgt Ion:	244	Resp:	230367
Ion Ratio		Lower	Upper
244	100		
212	6.2	6.0	9.0
122	15.8	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





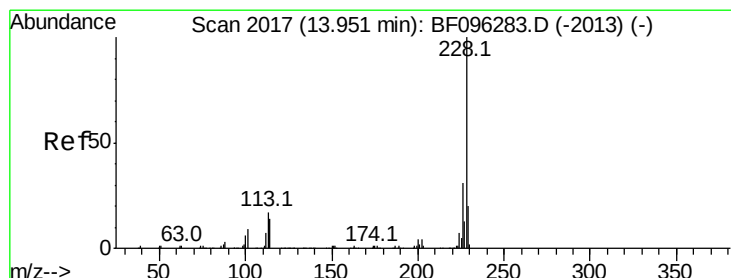
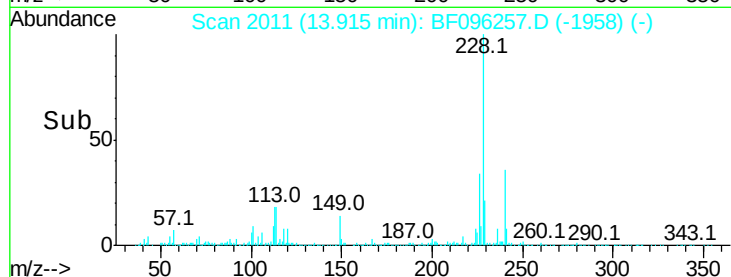
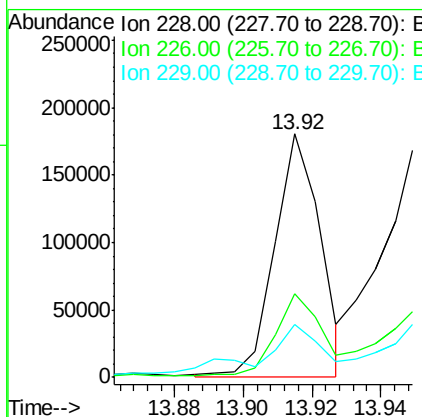
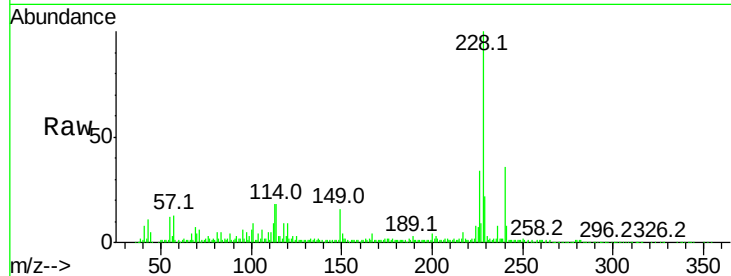
#80
Benzo(a)anthracene
Concen: 7.98 ng m
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF096257.D
Acq: 28 Jun 2017 18:51

Instrument :
BNA_F
ClientSampleId :
G-27-1.5-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.1	22.6	33.8#
229	21.7	16.3	24.5

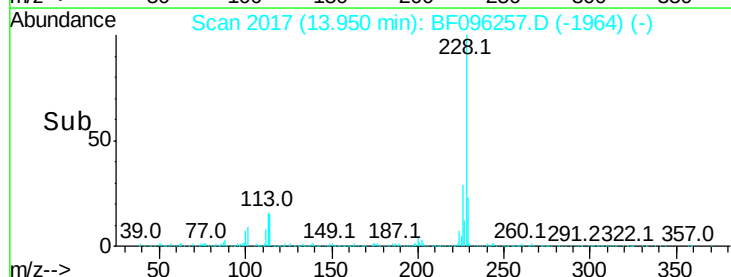
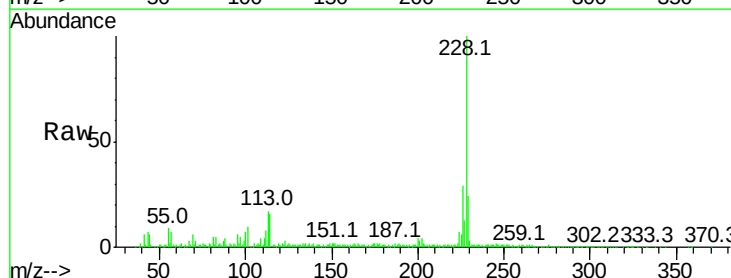
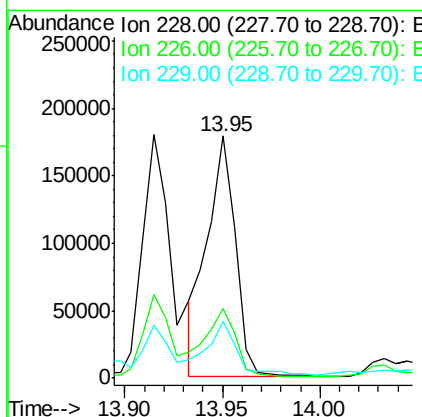
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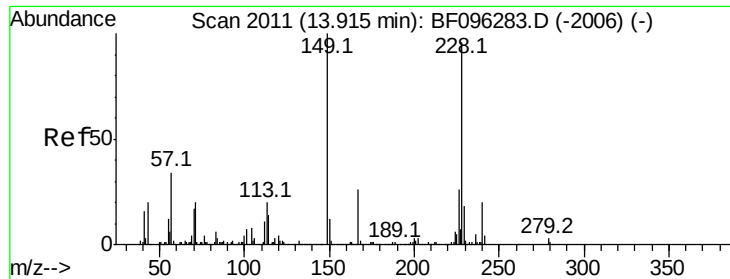
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#82
Chrysene
Concen: 8.25 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF096257.D
Acq: 28 Jun 2017 18:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	23.6	15.8	23.6





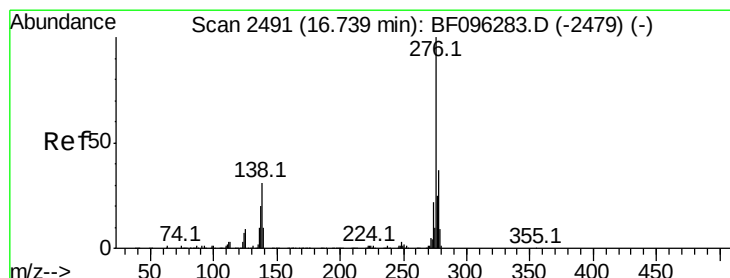
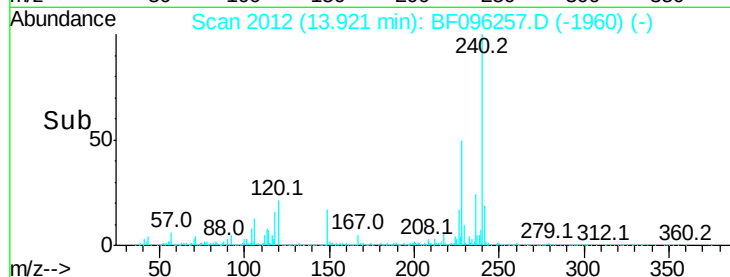
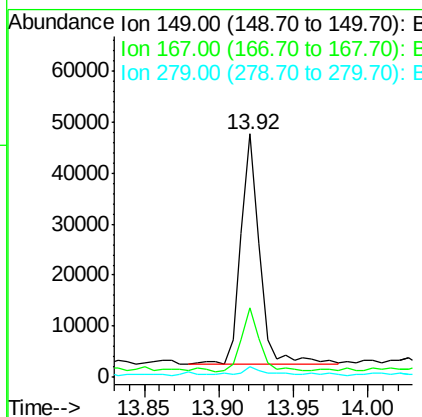
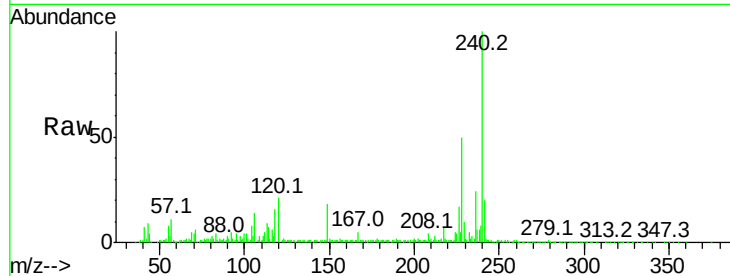
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.80 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.01 min
Lab File: BF096257.D
Acq: 28 Jun 2017 18:51

Instrument :
BNA_F
ClientSampleId :
G-27-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	28.8	21.0	31.4	
279	4.3	1.9	2.9	

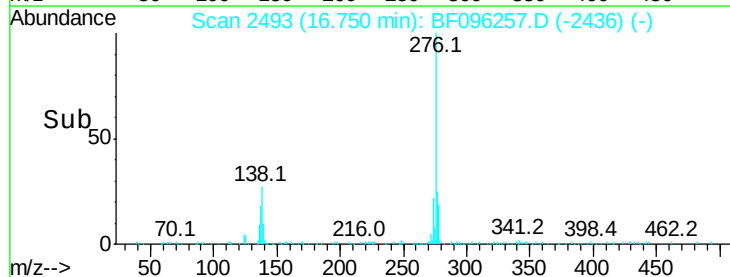
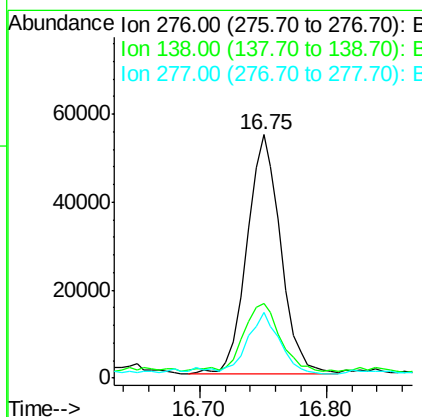
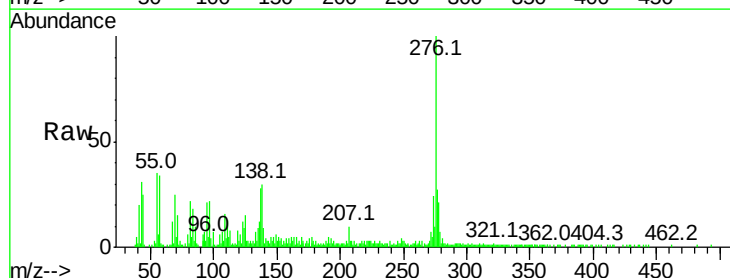
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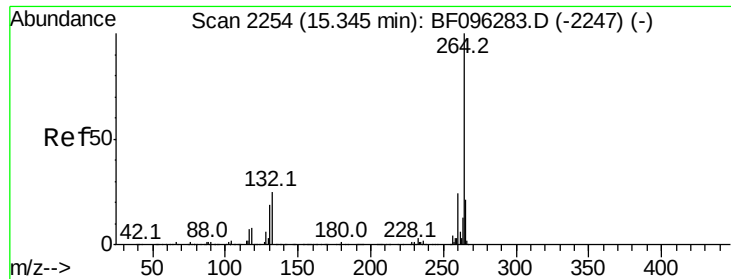
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.60 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.03 min
Lab File: BF096257.D
Acq: 28 Jun 2017 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	30.9	27.8	41.6	
277	24.1	20.2	30.4	





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 2256

Delta R.T. 0.02 min

Lab File: BF096257.D

Acq: 28 Jun 2017 18:51

Instrument :

BNA_F

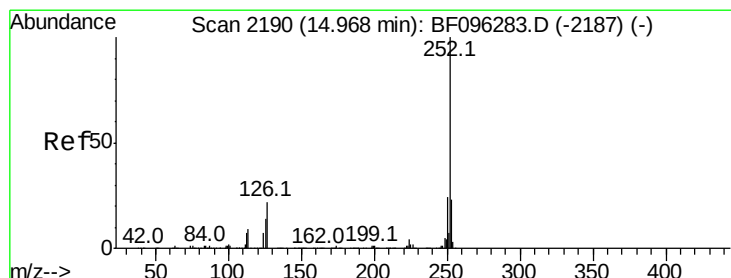
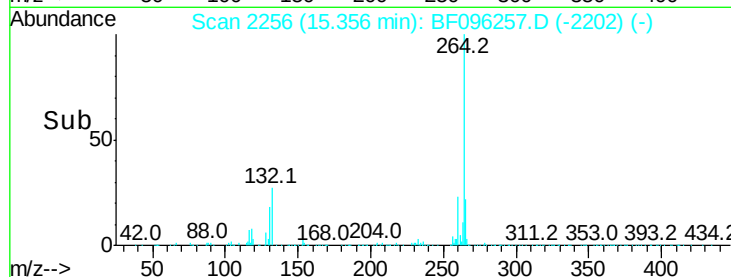
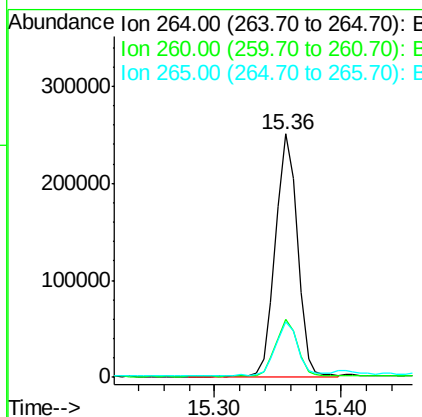
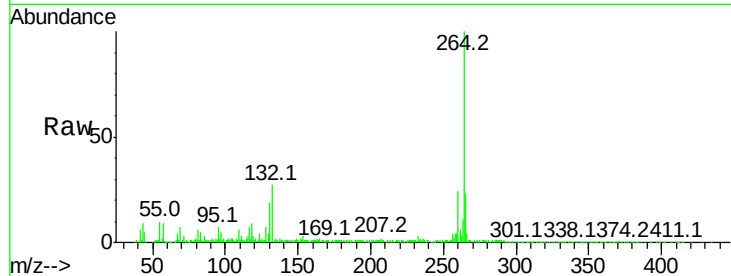
ClientSampleId :

G-27-1.5-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.9	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 14.91 ng m

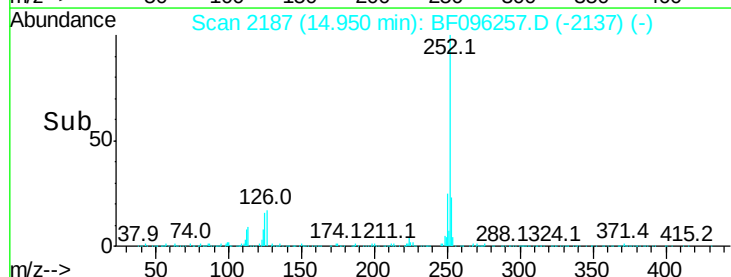
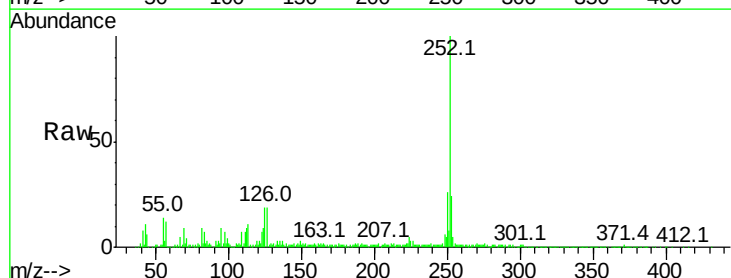
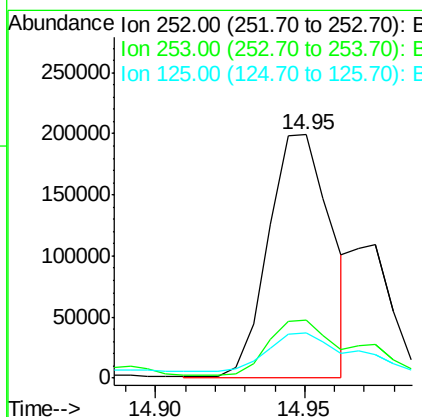
RT: 14.95 min Scan# 2187

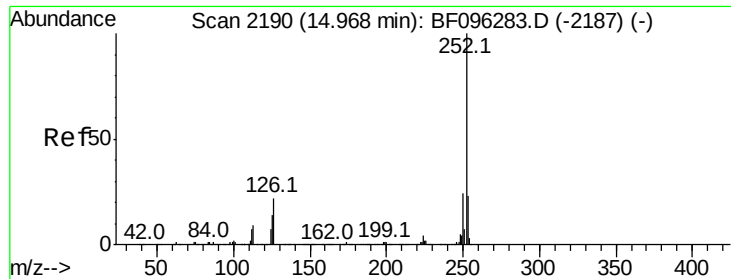
Delta R.T. -0.01 min

Lab File: BF096257.D

Acq: 28 Jun 2017 18:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	18.7	9.8	14.8





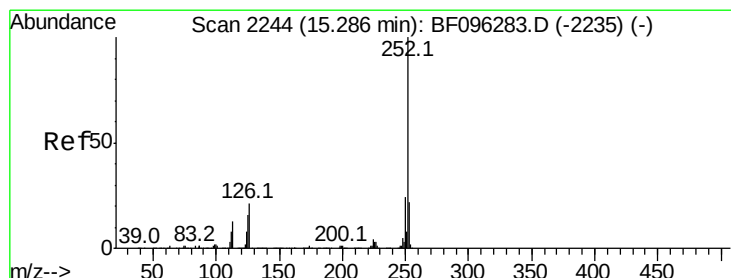
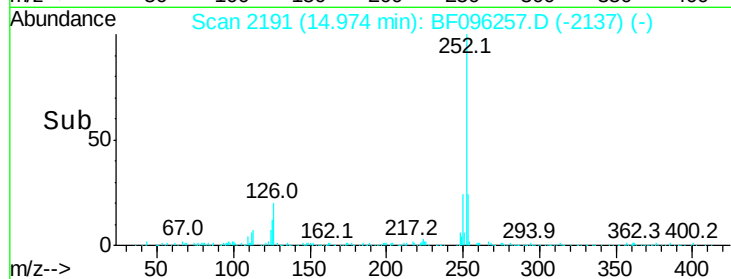
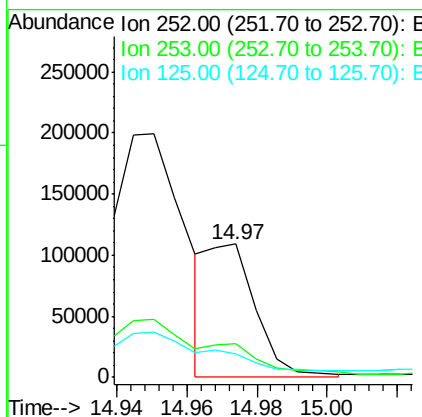
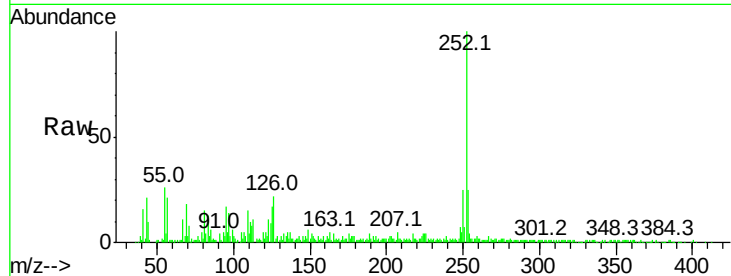
#88
Benzo(k)fluoranthene
Concen: 5.87 ng m
RT: 14.97 min Scan# 2191
Delta R.T. 0.02 min
Lab File: BF096257.D
Acq: 28 Jun 2017 18:51

Instrument :
BNA_F
ClientSampleId :
G-27-1.5-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.4	27.6
125	17.2	13.1	19.7

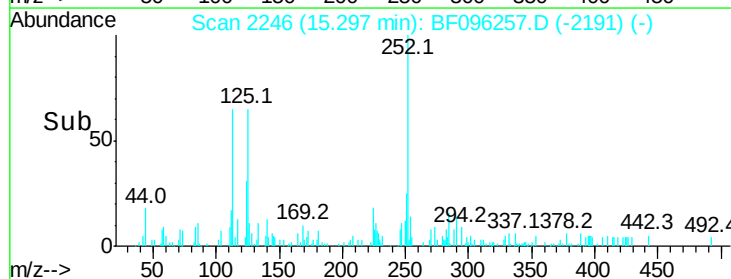
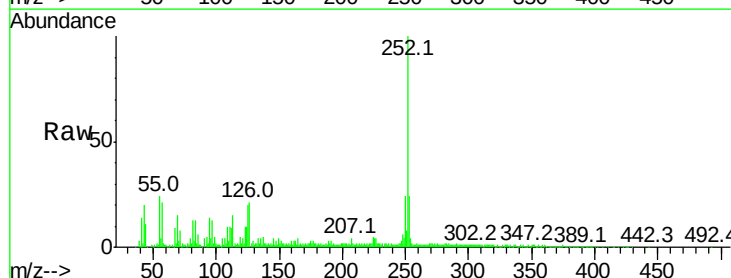
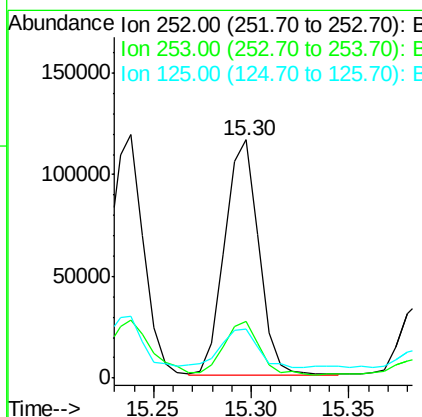
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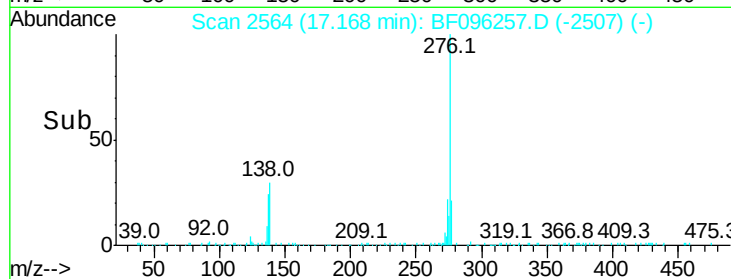
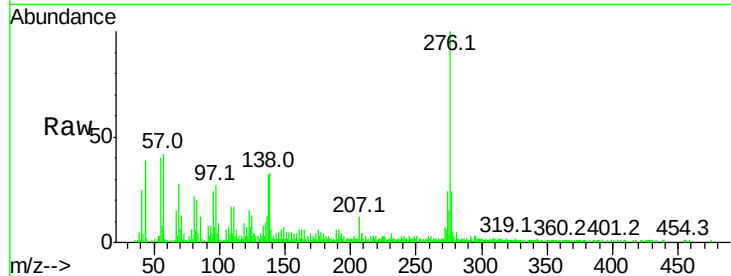
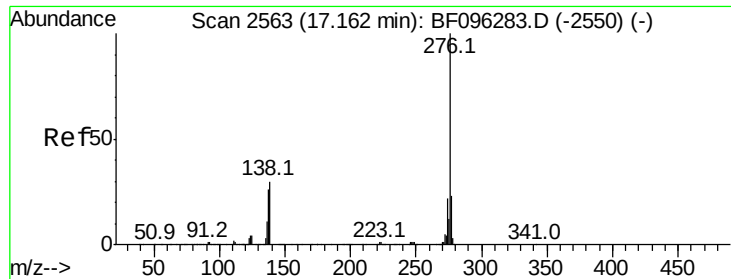
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#89
Benzo(a)pyrene
Concen: 8.18 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.02 min
Lab File: BF096257.D
Acq: 28 Jun 2017 18:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	20.4	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 6.18 ng

RT: 17.17 min Scan# 2564

Delta R.T. 0.03 min

Lab File: BF096257.D

Acq: 28 Jun 2017 18:51

Instrument :

BNA_F

ClientSampleId :

G-27-1.5-3

Tot Ion:276 Resp: 87014

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 32.9 25.4 38.0

Manual Integrations

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