

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107970.D
 Acq On : 4 Aug 2018 6:21
 Operator : JU/SJ
 Sample : J4262-01DL 2X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-04DL

Manual Integrations
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Sohil
 8/6/2018 5:06:14 PM

Quant Time: Aug 06 04:10:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	74416	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	348283	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	143497	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	257048	20.00	ng	0.00
75) Chrysene-d12	14.15	240	255232	20.00	ng	0.00
86) Perylene-d12	15.68	264	193182	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	70047	16.00	ng	0.02
7) Phenol-d6	6.64	99	86968	15.07	ng	0.03
23) Nitrobenzene-d5	7.52	82	232667	38.49	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	103875	53.27	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	518275	50.33	ng	-0.01
78) Terphenyl-d14	13.08	244	521328	44.29	ng	0.00
Target Compounds						
31) Naphthalene	8.26	128	854239	52.764	ng	100
37) 2-Methylnaphthalene	8.95	142	75397	7.414	ng	95
48) Acenaphthylene	9.86	152	39986	2.619	ng	# 93
51) Acenaphthene	10.02	154	135670	15.298	ng	100
54) Dibenzofuran	10.21	168	85671	6.250	ng	96
57) Fluorene	10.55	166	89902	8.439	ng	97
70) Phenanthrene	11.52	178	104643	8.573	ng	99
71) Anthracene	11.58	178	35398m	2.514	ng	
72) Carbazole	11.74	167	181363	13.036	ng	98

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

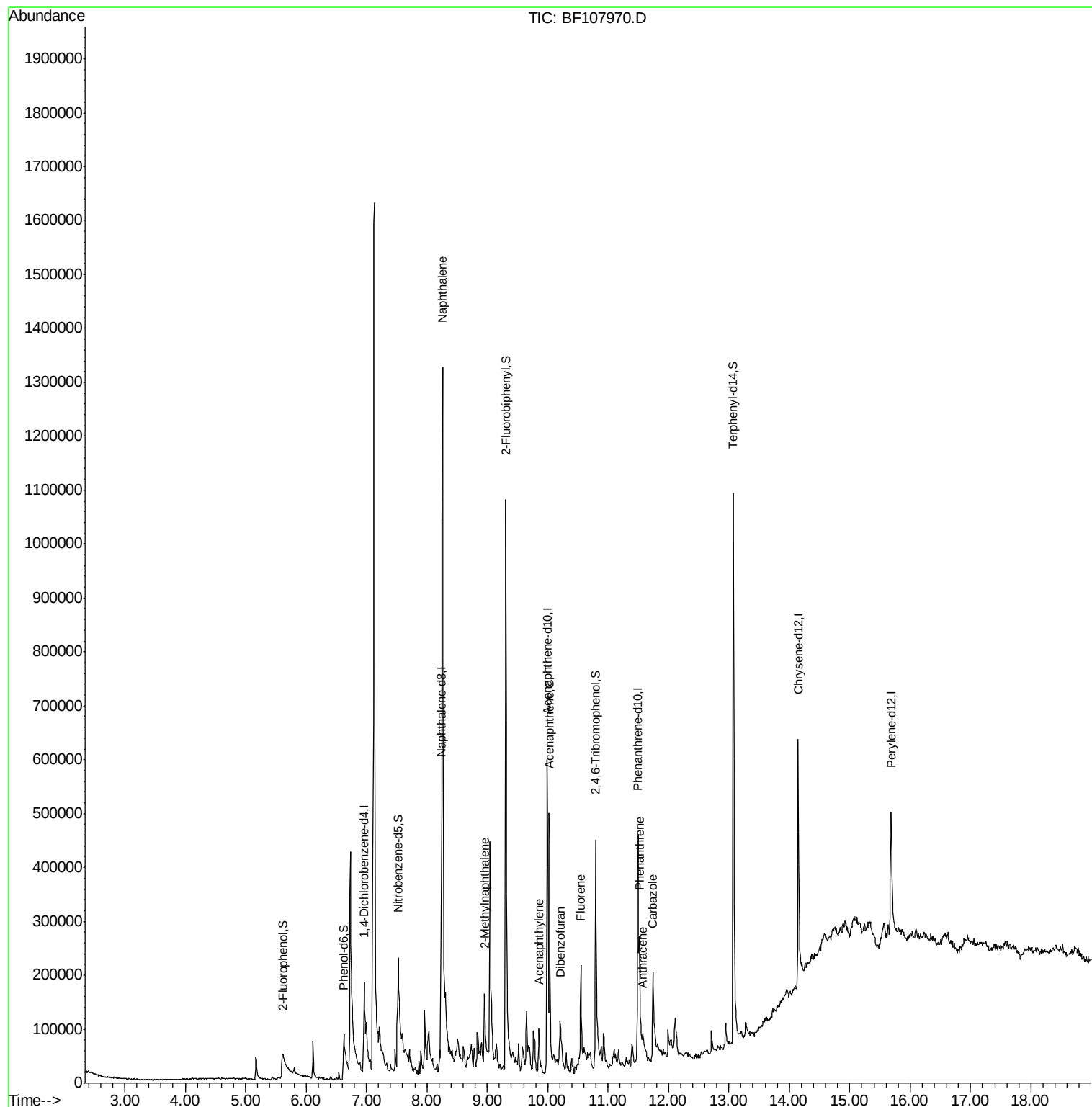
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
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Sample : J4262-01DL 2X
Misc :
ALS Vial : 35 Sample Multiplier: 1

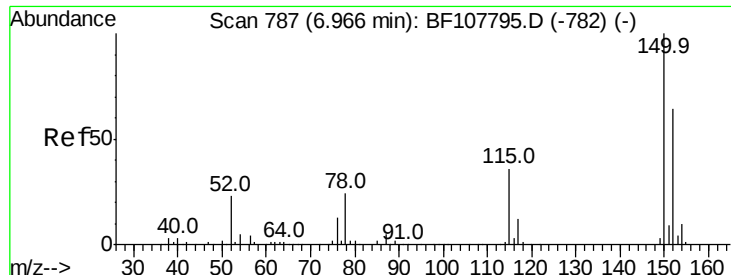
Instrument :
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ClientSampleId :
GW-04DL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

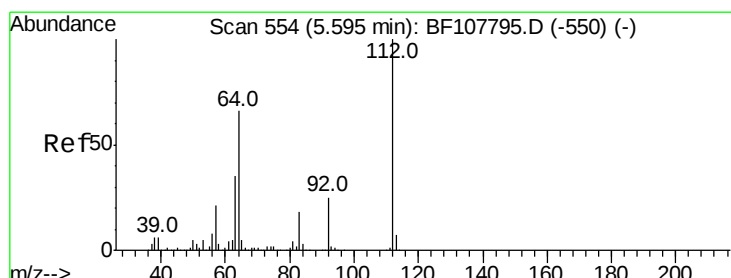
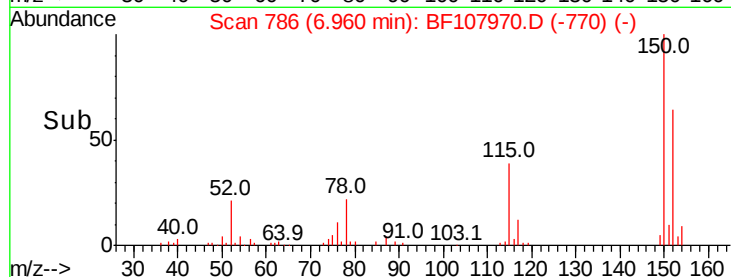
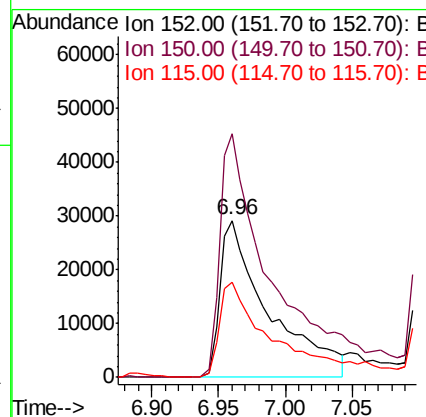
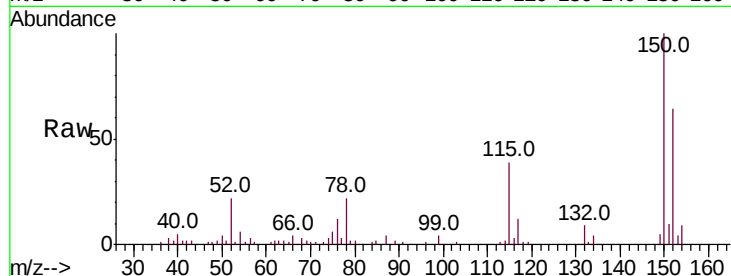
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107970.D
Acq: 4 Aug 2018 6:21

Instrument :
BNA_F
ClientSampleId :
GW-04DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	60.3	50.1	75.1

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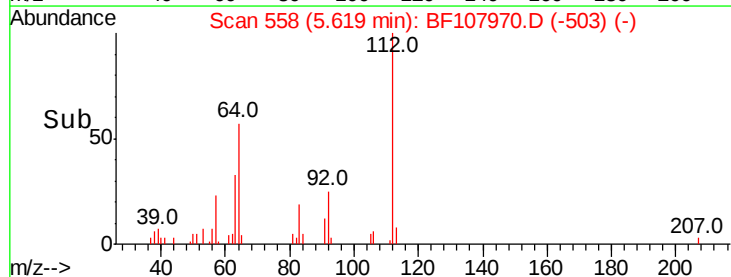
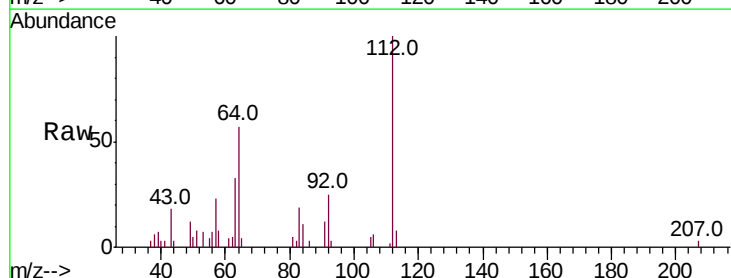
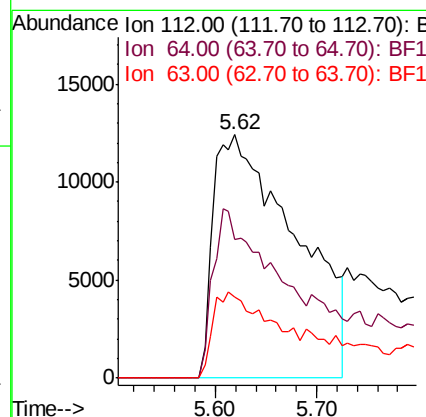
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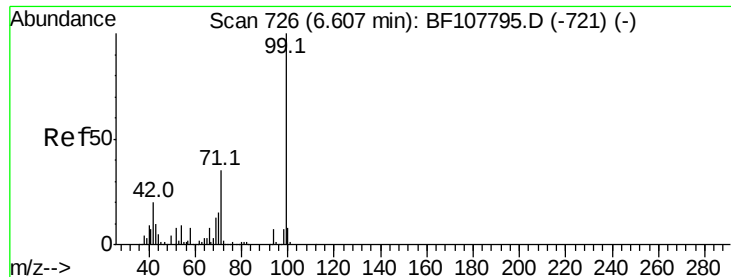


#5

2-Fluorophenol
Concen: 15.998 ng
RT: 5.62 min Scan# 558
Delta R.T. 0.02 min
Lab File: BF107970.D
Acq: 4 Aug 2018 6:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.9	71.9
63	33.3	23.7	35.5





#7

Phenol-d6

Concen: 15.071 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.03 min

Lab File: BF107970.D

Acq: 4 Aug 2018 6:21

Instrument :

BNA_F

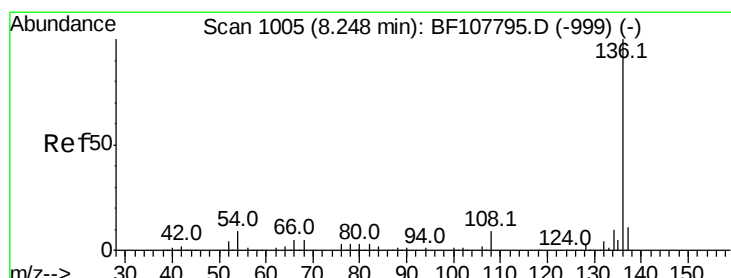
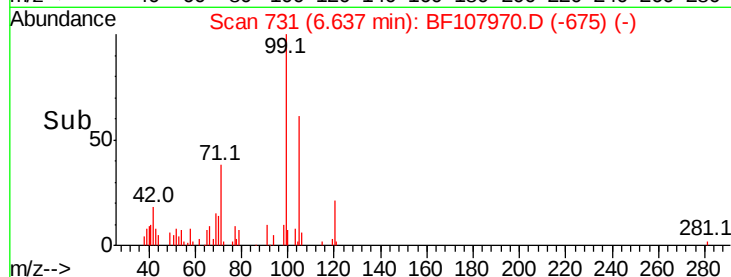
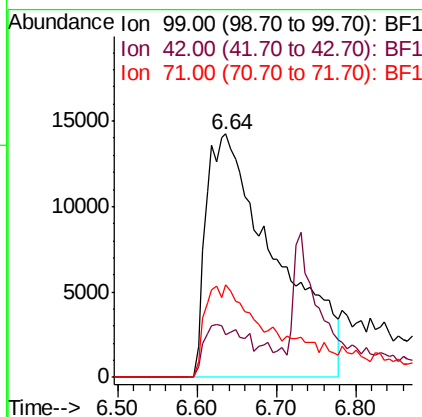
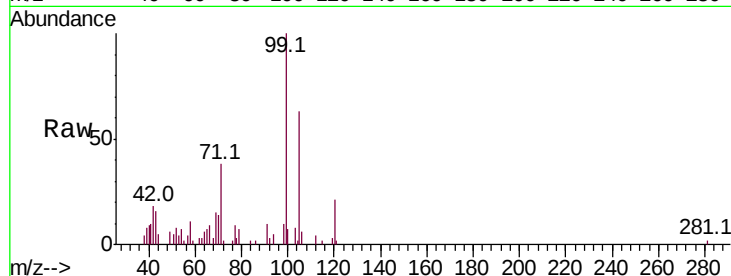
ClientSampleId :

GW-04DL

Tot Ion:	99	Resp:	86968
Ion Ratio	Lower	Upper	
99	100		
42	17.8	14.5	21.7
71	37.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

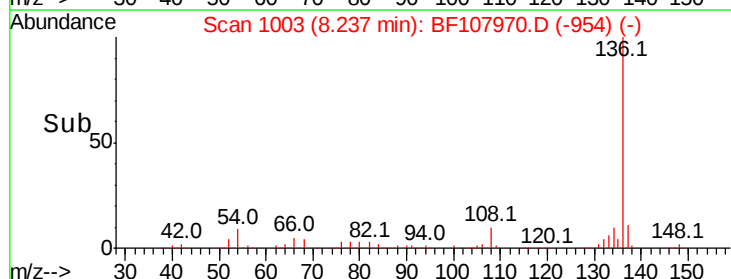
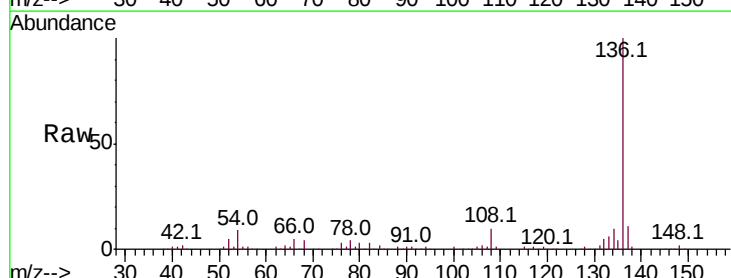
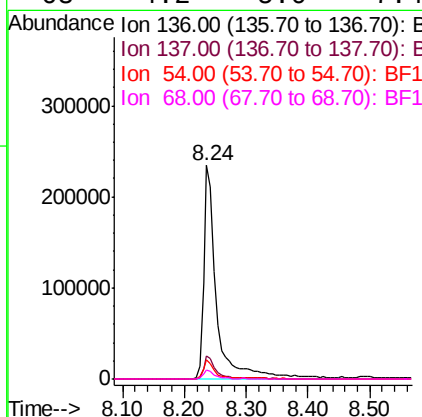
RT: 8.24 min Scan# 1003

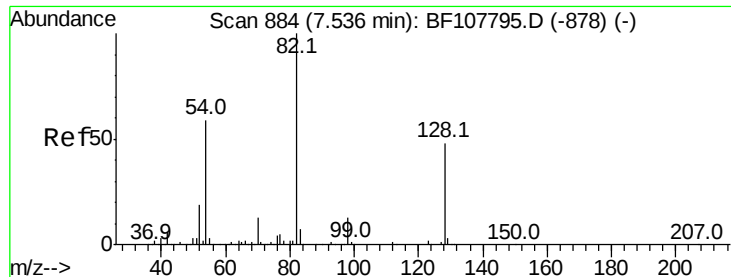
Delta R.T. -0.01 min

Lab File: BF107970.D

Acq: 4 Aug 2018 6:21

Tgt Ion:	136	Resp:	348283
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	8.9	6.6	9.8
68	4.2	5.0	7.4#





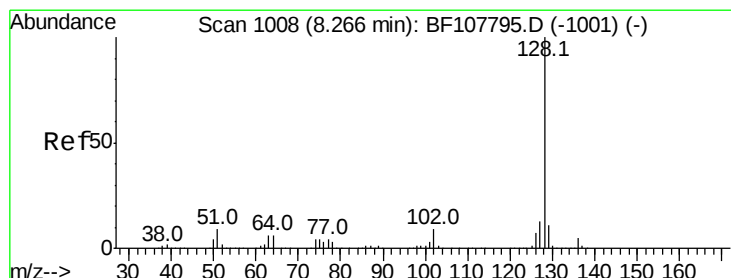
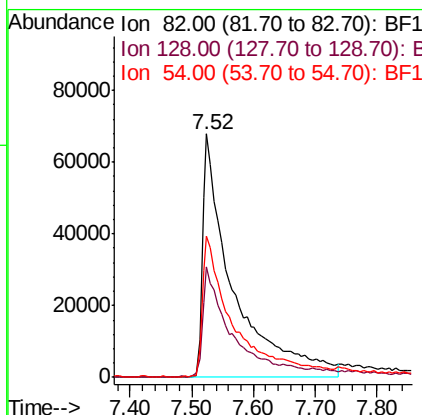
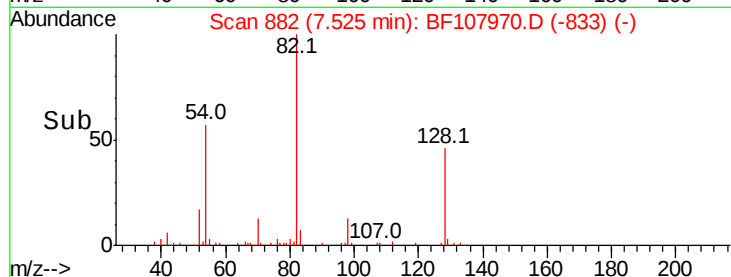
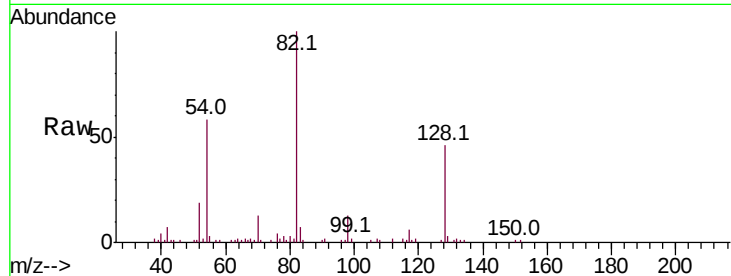
#23
 Nitrobenzene-d5
 Concen: 38.486 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF107970.D
 Acq: 4 Aug 2018 6:21

Instrument :
 BNA_F
 ClientSampled :
 GW-04DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	232667		
128	45.6	36.1	54.1	
54	57.9	41.4	62.2	

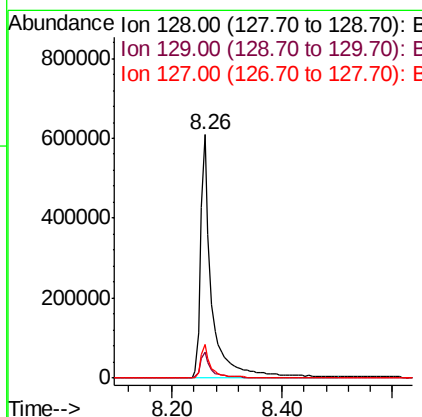
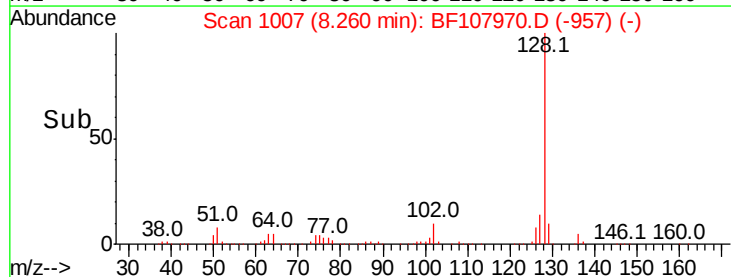
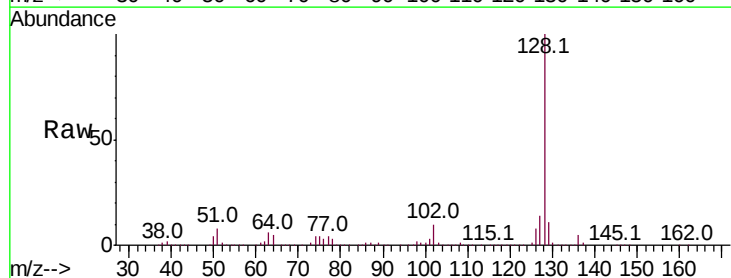
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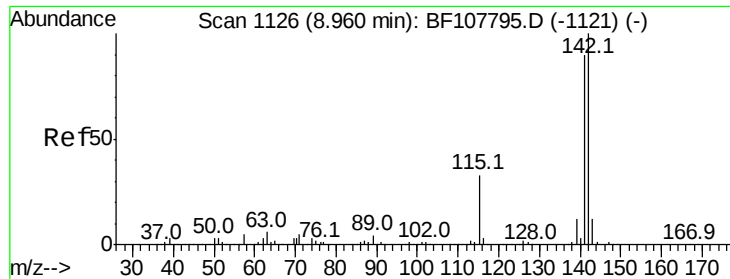
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#31
 Naphthalene
 Concen: 52.764 ng
 RT: 8.26 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BF107970.D
 Acq: 4 Aug 2018 6:21

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	854239		
129	10.8	8.8	13.2	
127	13.8	10.9	16.3	





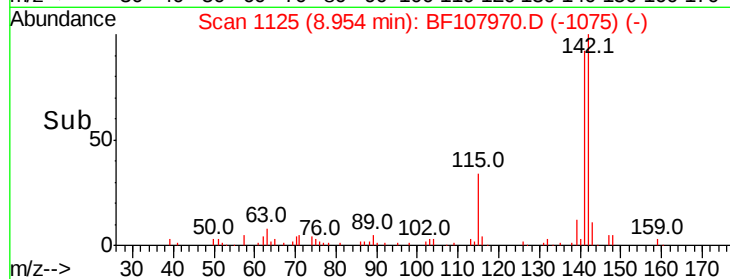
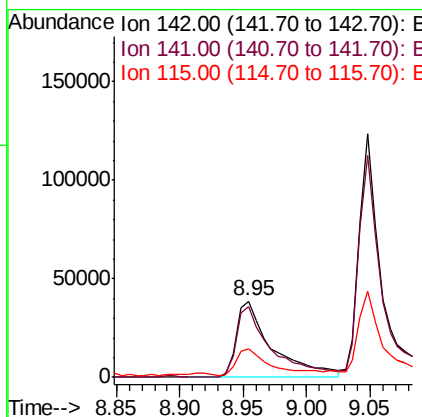
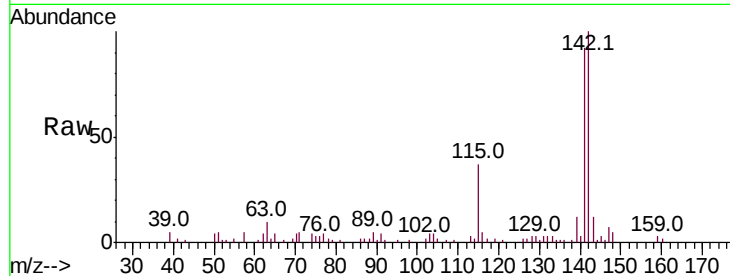
#37
2-Methylnaphthalene
Concen: 7.414 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF107970.D
Acq: 4 Aug 2018 6:21

Instrument :
BNA_F
ClientSampleId :
GW-04DL

Tot Ion:	142	Resp:	75397
Ion Ratio	Lower	Upper	
142	100		
141	92.4	70.8	106.2
115	36.7	26.1	39.1

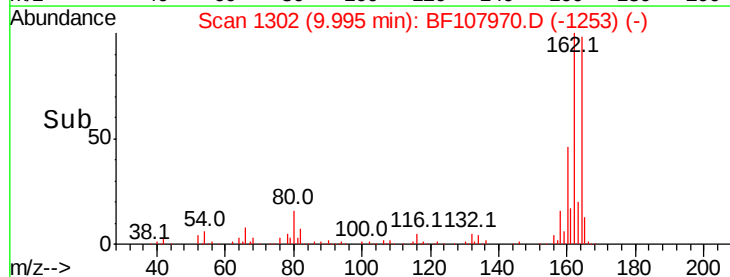
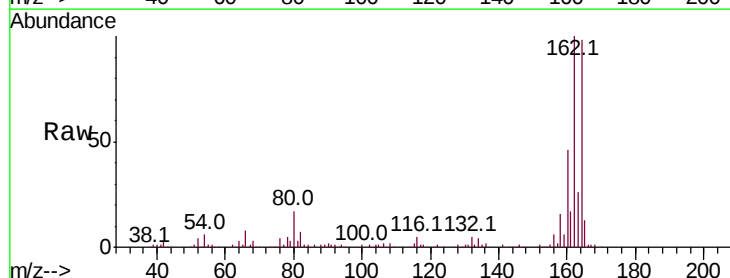
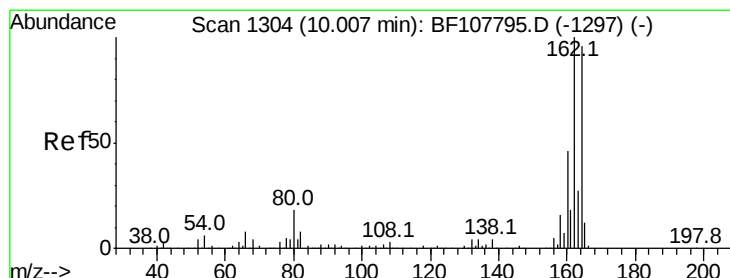
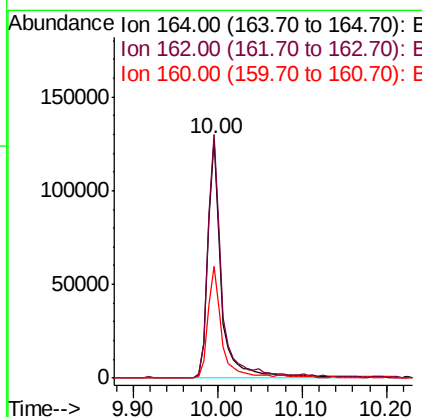
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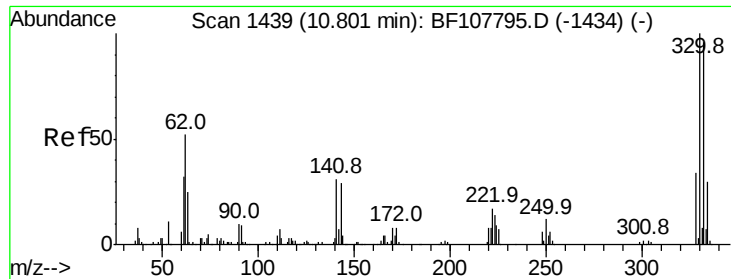
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF107970.D
Acq: 4 Aug 2018 6:21

Tgt Ion:	164	Resp:	143497
Ion Ratio	Lower	Upper	
164	100		
162	102.0	86.1	129.1
160	46.7	38.3	57.5





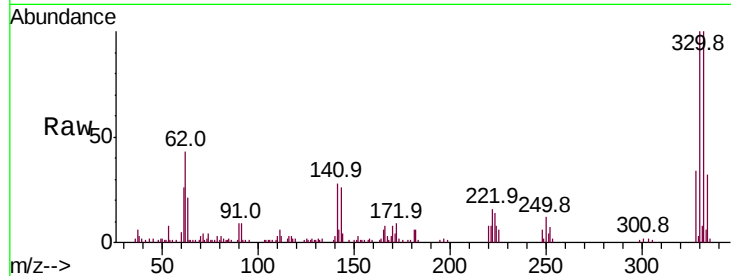
#41
 2,4,6-Tribromophenol
 Concen: 53.274 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107970.D
 Acq: 4 Aug 2018 6:21

Instrument :
 BNA_F
 ClientSampleId :
 GW-04DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	77.0	115.6	
141	30.0	29.9	44.9	

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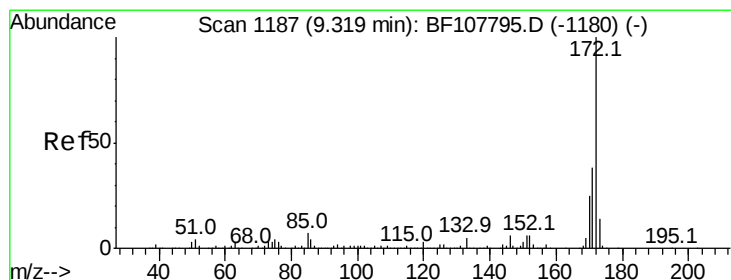
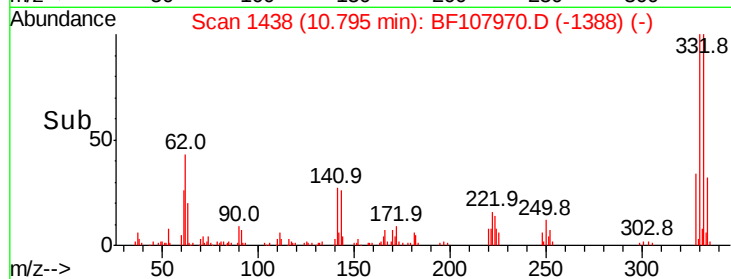
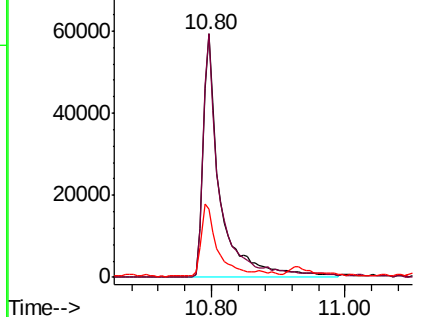


Abundance

Ion 329.80 (329.50 to 330.50): E

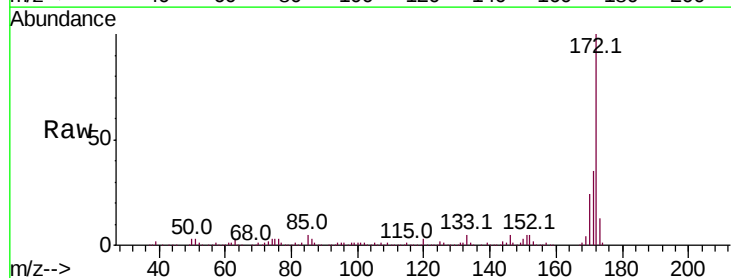
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 50.329 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107970.D
 Acq: 4 Aug 2018 6:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.0	29.7	44.5	
170	24.1	19.6	29.4	

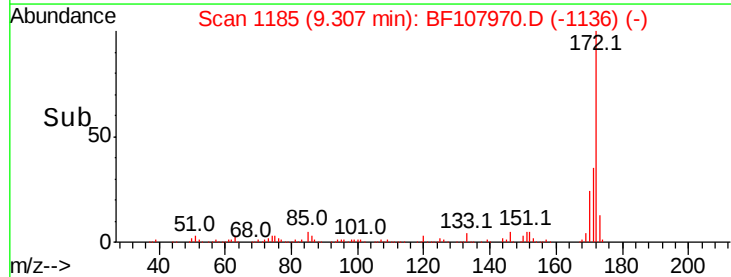
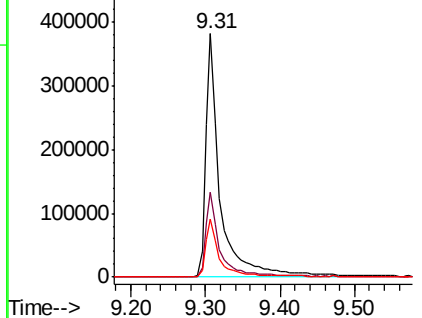


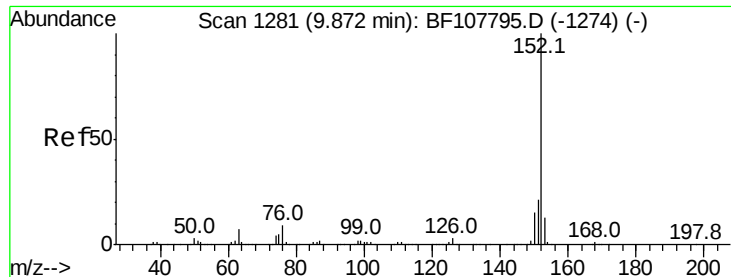
Abundance

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





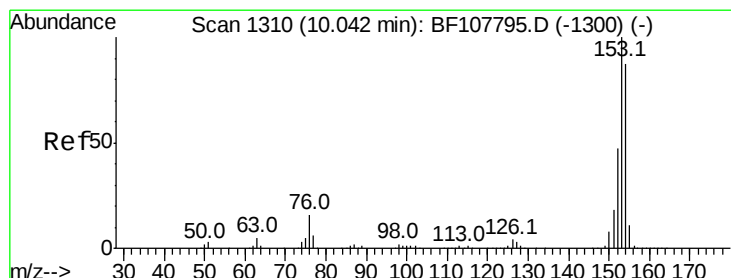
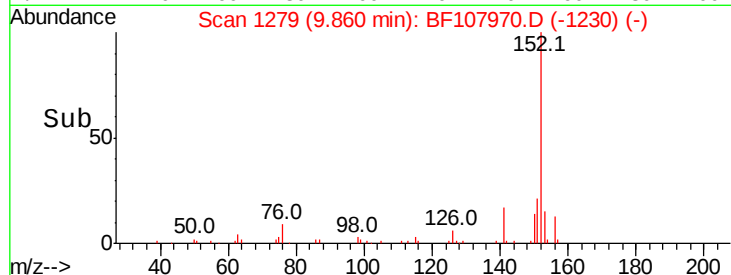
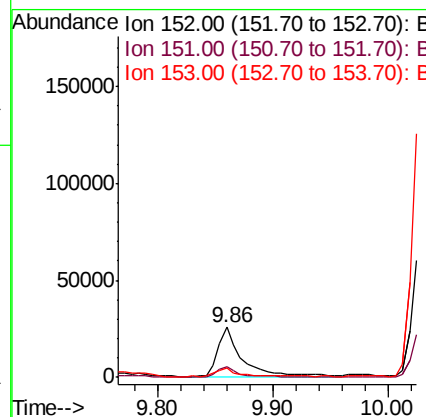
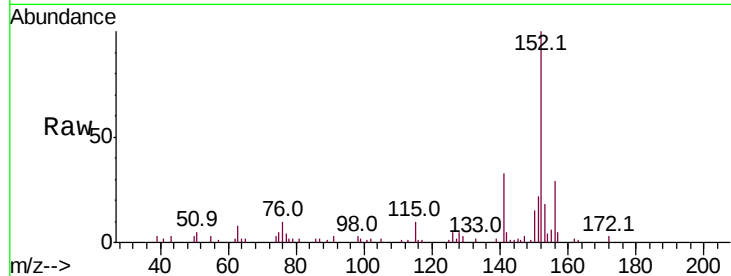
#48
Acenaphthylene
Concen: 2.619 ng
RT: 9.86 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF107970.D
Acq: 4 Aug 2018 6:21

Instrument :
BNA_F
ClientSampleId :
GW-04DL

Tot Ion	Ratio	Resp Lower	Upper
152	100		
151	22.5	16.3	24.5
153	17.7	10.7	16.1

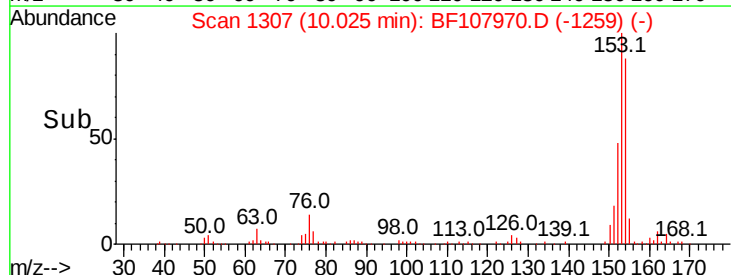
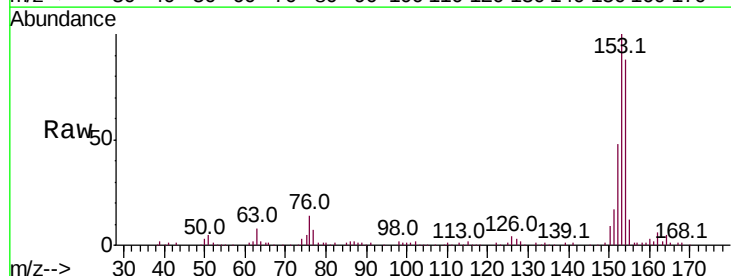
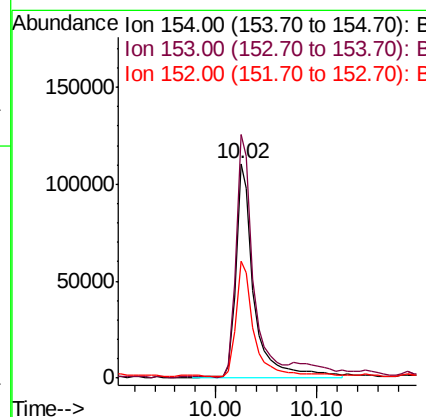
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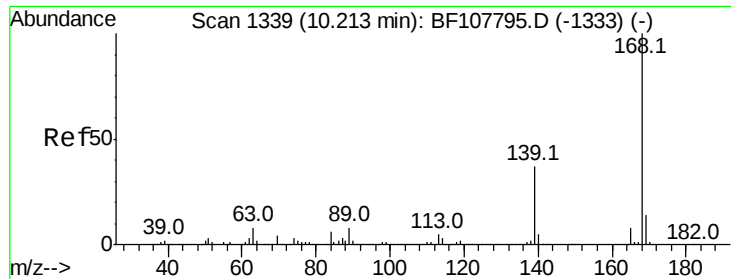
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#51
Acenaphthene
Concen: 15.298 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF107970.D
Acq: 4 Aug 2018 6:21

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	113.5	91.2	136.8
152	54.8	43.8	65.8





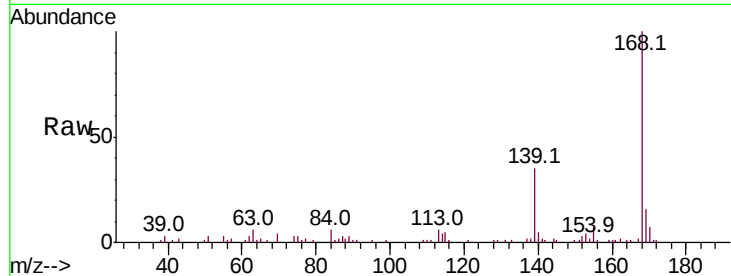
#54
Dibenzofuran
Concen: 6.250 ng
RT: 10.21 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF107970.D
Acq: 4 Aug 2018 6:21

Instrument :
BNA_F
ClientSampleID :
GW-04DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.2	30.1	45.1
169	15.8	10.9	16.3

Manual Integrations
APPROVED

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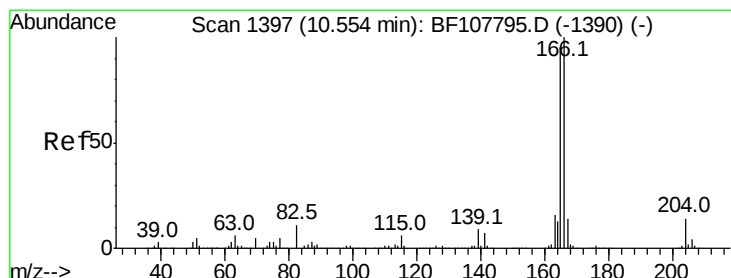
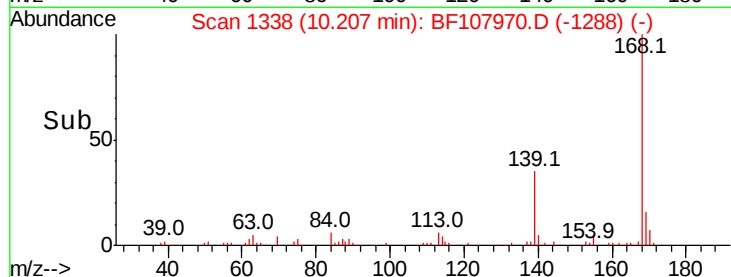
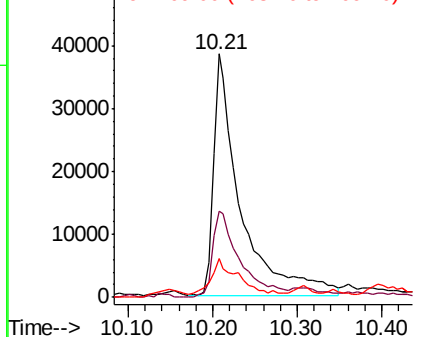


Abundance

Ion 168.00 (167.70 to 168.70): E

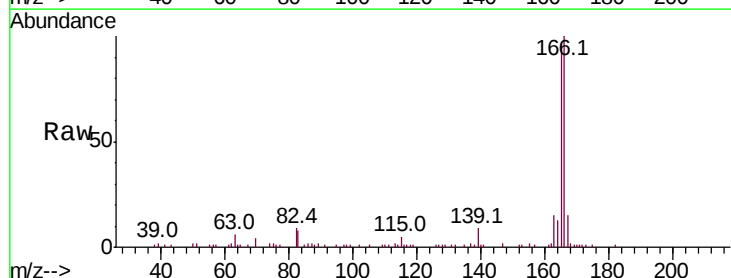
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57
Fluorene
Concen: 8.439 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF107970.D
Acq: 4 Aug 2018 6:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	79.8	119.8
167	15.4	10.6	16.0

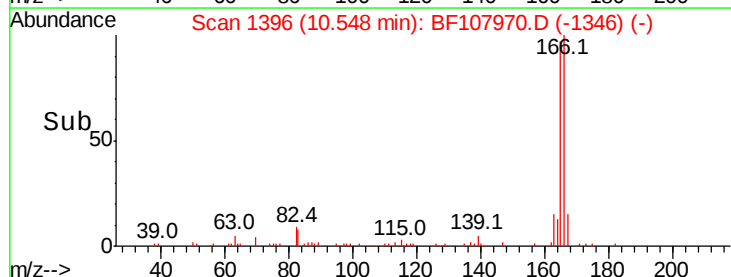
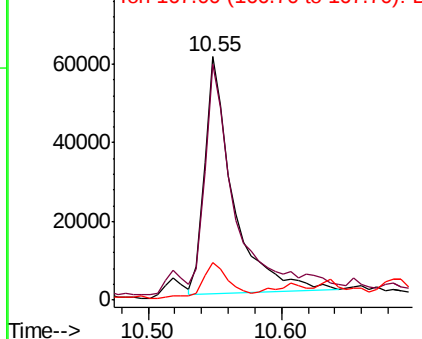


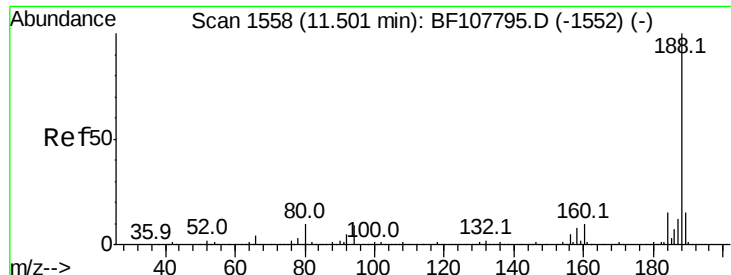
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





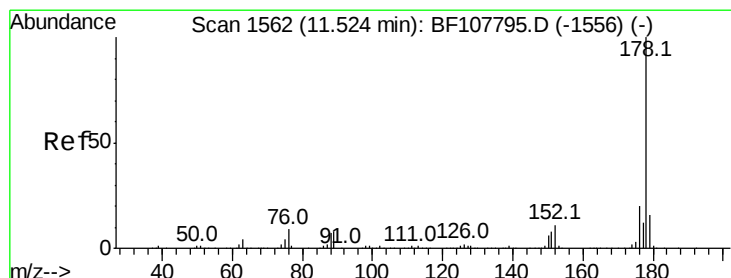
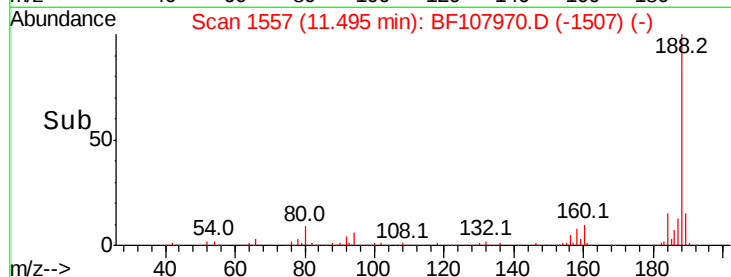
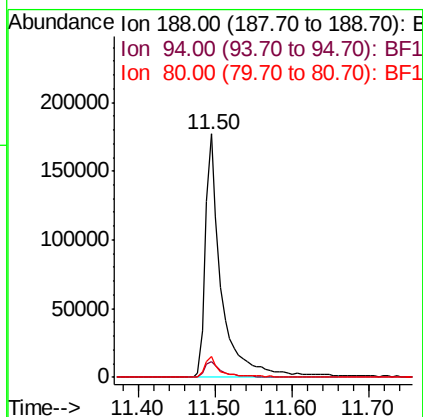
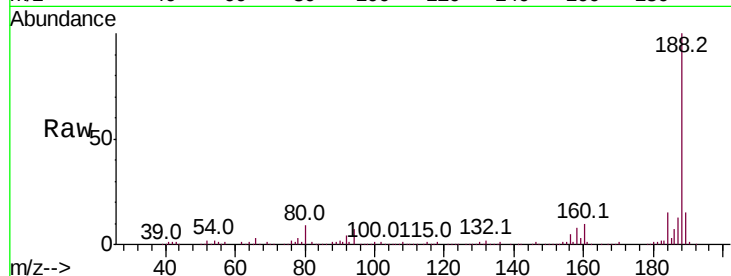
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107970.D
Acq: 4 Aug 2018 6:21

Instrument :
BNA_F
ClientSampleId :
GW-04DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.6	8.5	12.7#
80	8.6	9.2	13.8#

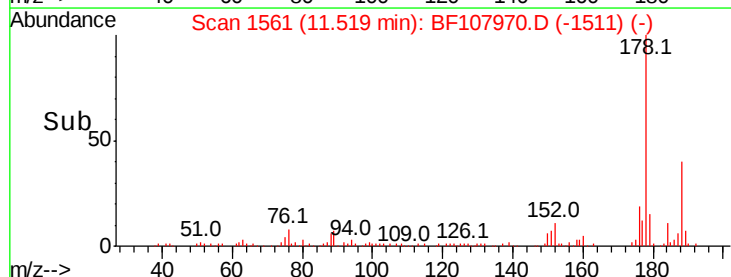
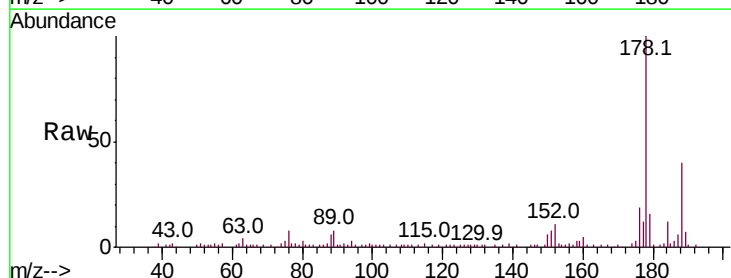
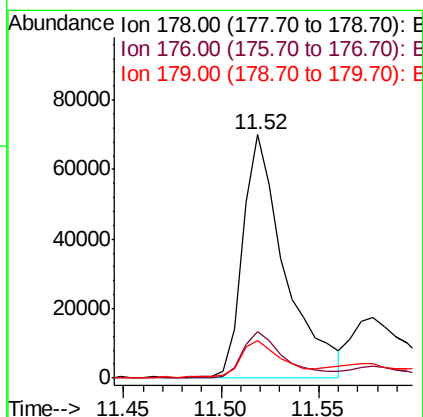
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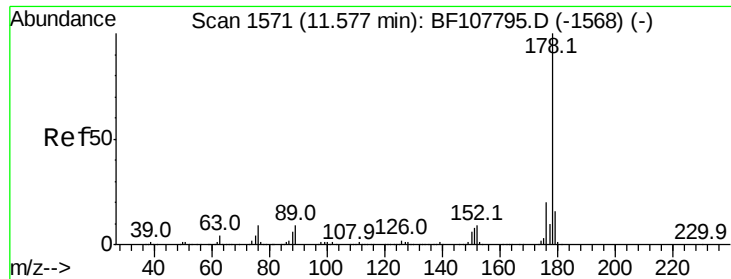
Sohil
8/6/2018 5:06:14 PM



#70
Phenanthrene
Concen: 8.573 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107970.D
Acq: 4 Aug 2018 6:21

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.6	13.0	19.6





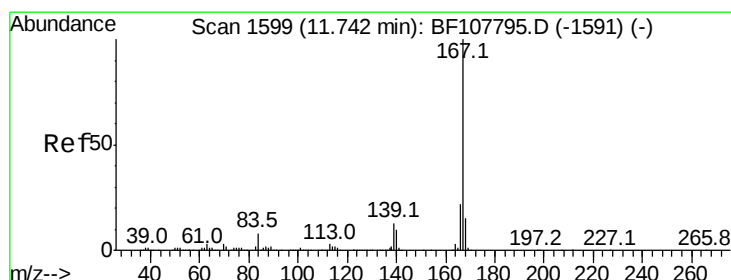
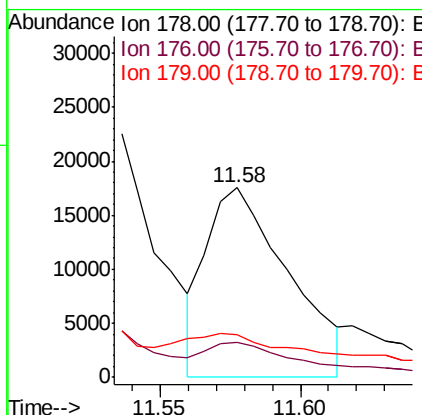
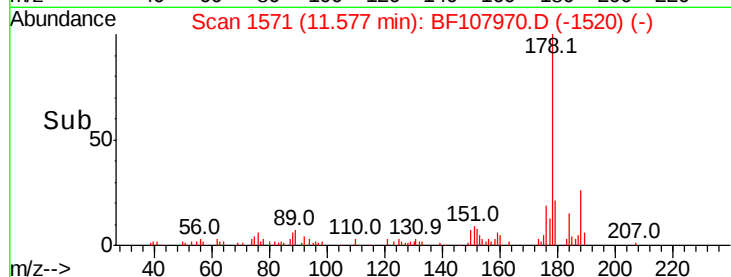
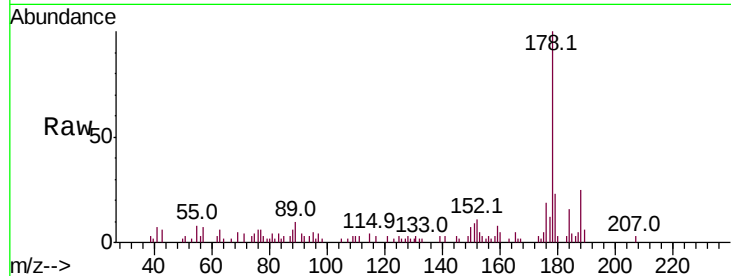
#71
 Anthracene
 Concen: 2.514 ng/mL
 RT: 11.58 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF107970.D
 Acq: 4 Aug 2018 6:21

Instrument :
 BNA_F
 ClientSampleId :
 GW-04DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	22.8	12.6	19.0

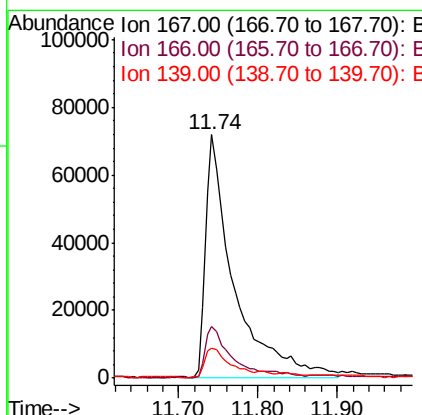
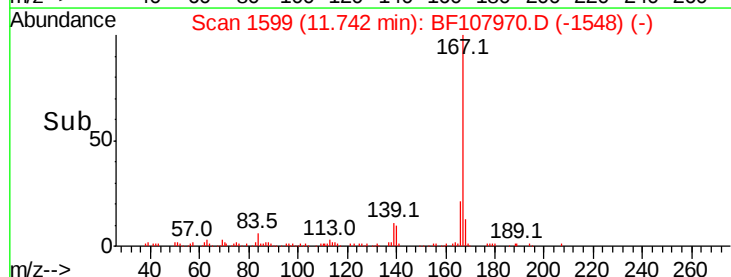
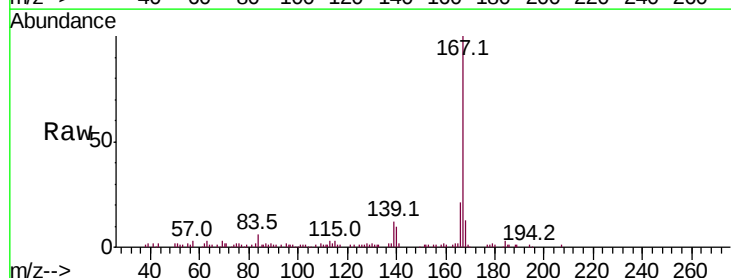
Manual Integrations
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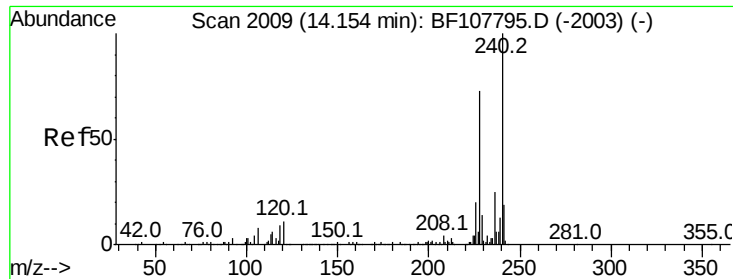
Sohil
 8/6/2018 5:06:14 PM



#72
 Carbazole
 Concen: 13.036 ng/mL
 RT: 11.74 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: BF107970.D
 Acq: 4 Aug 2018 6:21

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.6	26.4
139	12.2	10.9	16.3





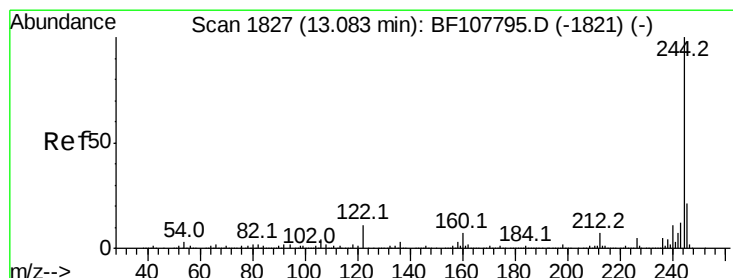
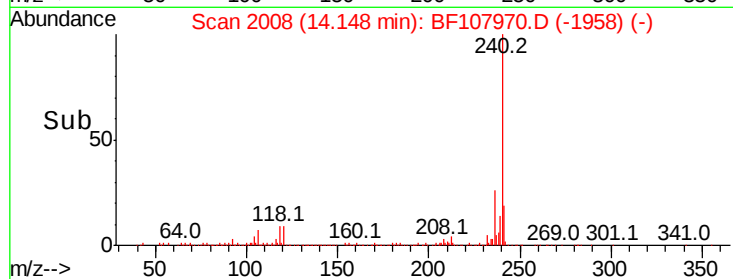
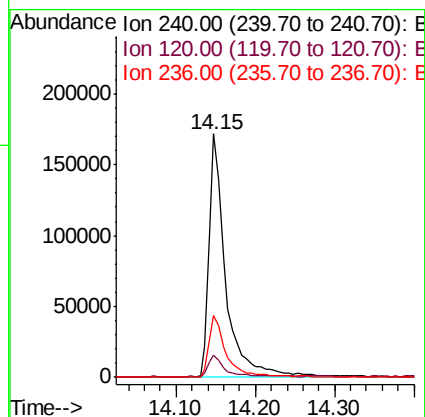
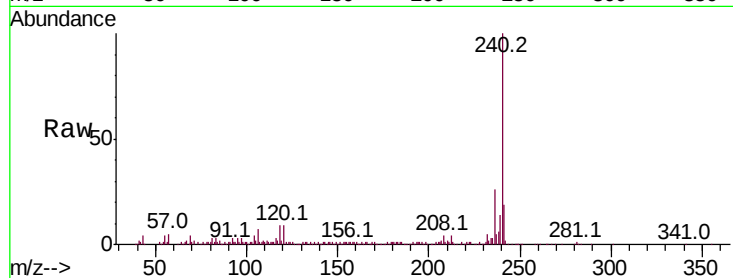
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF107970.D
 Acq: 4 Aug 2018 6:21

Instrument :
 BNA_F
 ClientSampleId :
 GW-04DL

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	9.3	9.5	14.3#	
236	25.6	20.7	31.1	

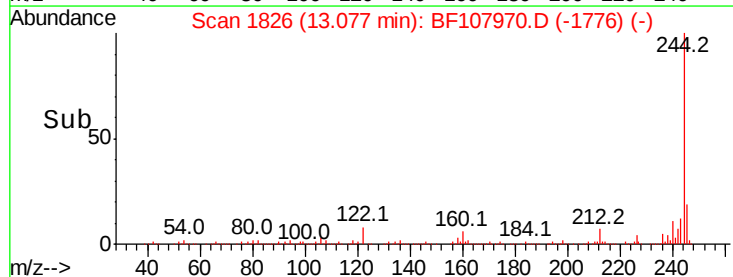
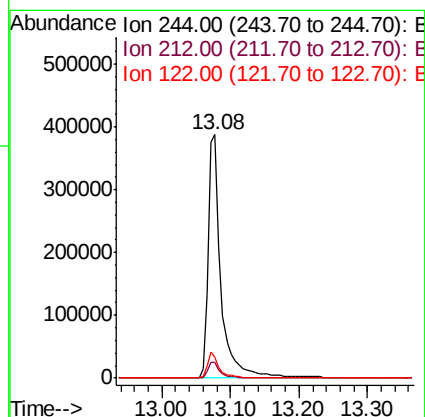
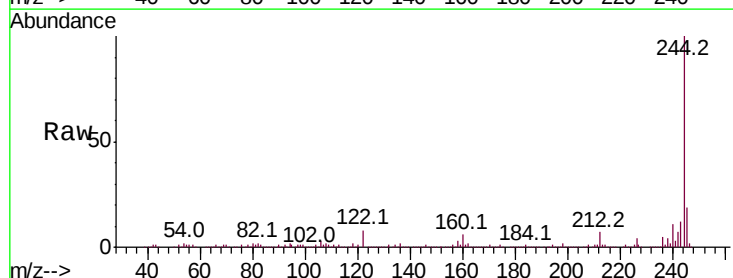
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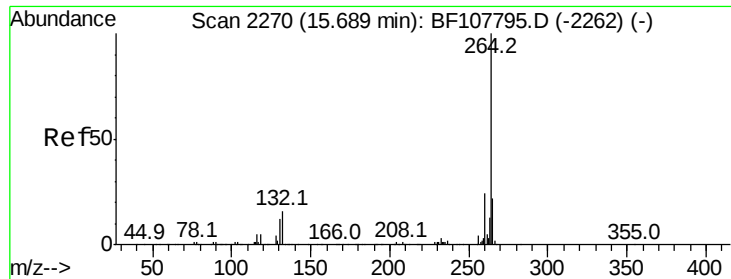
Sohil
 8/6/2018 5:06:14 PM



#78
 Terphenyl-d14
 Concen: 44.292 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107970.D
 Acq: 4 Aug 2018 6:21

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.7	5.4	8.0	
122	8.3	11.0	16.4#	





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107970.D
Acq: 4 Aug 2018 6:21

Instrument :
BNA_F
ClientSampleId :
GW-04DL

Tot Ion:	264	Resp:	193182
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	22.7	17.5	26.3

Manual Integrations
APPROVED

Sohil
8/6/2018 5:06:14 PM

