

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107937.D
 Acq On : 3 Aug 2018 15:02
 Operator : JU/SJ
 Sample : J4262-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-04

Manual Integrations
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Sohil
 8/6/2018 5:05:20 PM

Quant Time: Aug 03 16:47:06 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	6.95	152	150394	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	563934	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	283331	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	540202	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	362773	20.00	ng	-0.01
86) Perylene-d12	15.67	264	390945	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	526439	59.49	ng	0.00
7) Phenol-d6	6.61	99	486763	41.74	ng	0.00
23) Nitrobenzene-d5	7.52	82	1005506	102.72	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	433661	112.64	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1857002	91.33	ng	-0.01
78) Terphenyl-d14	13.08	244	1591125	95.11	ng	0.00
Target Compounds						
17) 2-Methylphenol	7.25	107	24997m	3.046	ng	Qvalue
20) 3+4-Methylphenols	7.40	107	57431	5.701	ng	94
27) 2,4-Dimethylphenol	7.91	122	58671	8.507	ng	96
31) Naphthalene	8.26	128	2830897	107.992	ng	97
37) 2-Methylnaphthalene	8.95	142	347942	21.131	ng	99
45) 1,1'-Biphenyl	9.41	154	74817	2.902	ng	98
48) Acenaphthylene	9.85	152	159142	5.279	ng	# 97
49) Dimethylphthalate	9.70	163	62353	2.930	ng	99
51) Acenaphthene	10.02	154	588814	33.626	ng	98
54) Dibenzofuran	10.20	168	397453	14.685	ng	98
57) Fluorene	10.54	166	457338	21.743	ng	95
70) Phenanthrene	11.51	178	491929	19.178	ng	99
71) Anthracene	11.57	178	190840m	6.450	ng	
72) Carbazole	11.73	167	802196	27.437	ng	99
74) Fluoranthene	12.71	202	105650	3.506	ng	97
77) Pyrene	12.94	202	111462	4.267	ng	98

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

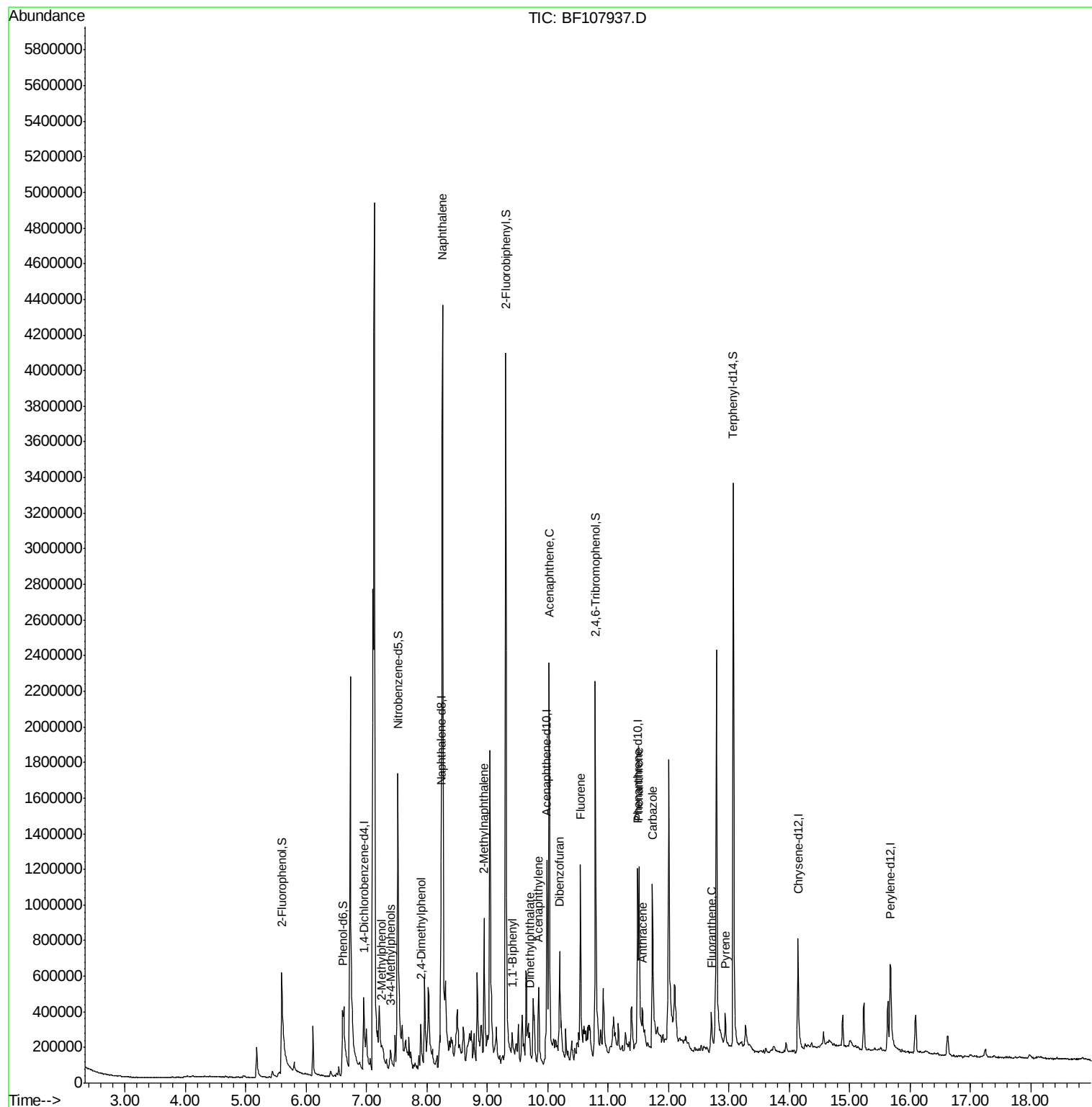
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
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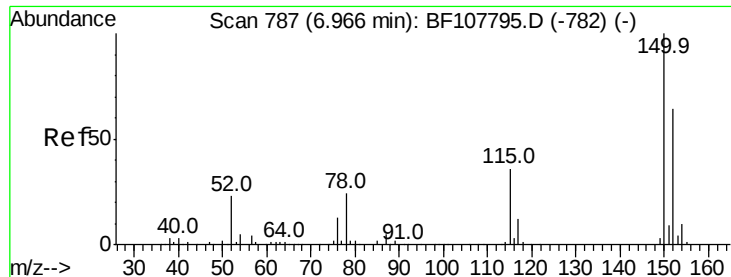
Instrument :
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#1

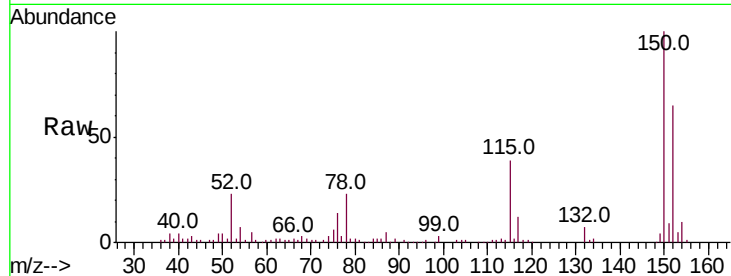
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107937.D
Acq: 3 Aug 2018 15:02

Instrument :
BNA_F
ClientSampled :
GW-04

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.6	186.8
115	60.1	50.1	75.1

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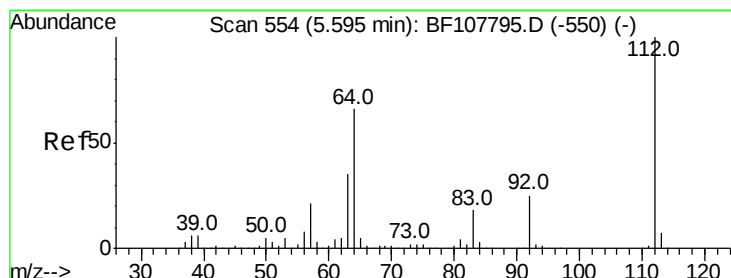
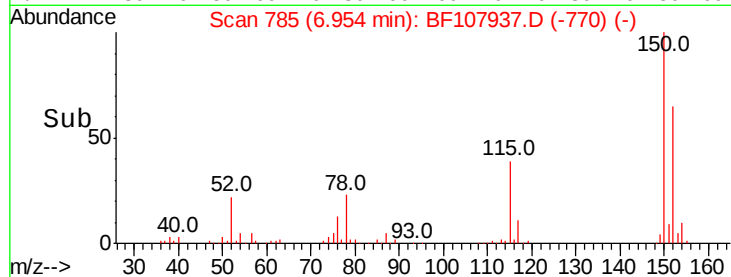
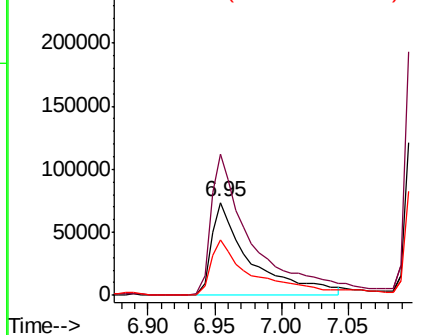


Abundance

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: 59.491 ng
RT: 5.60 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF107937.D
Acq: 3 Aug 2018 15:02

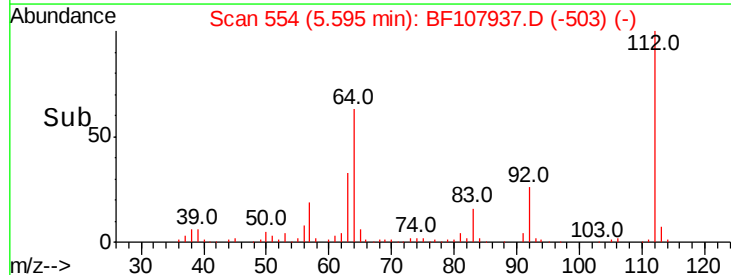
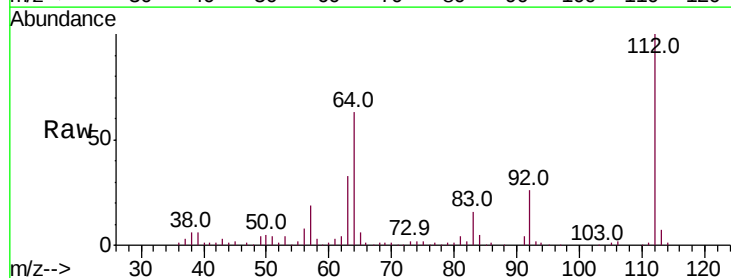
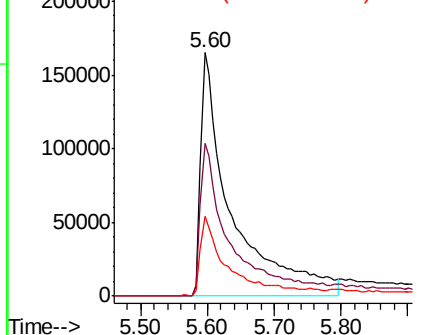
Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	47.9	71.9
63	32.9	23.7	35.5

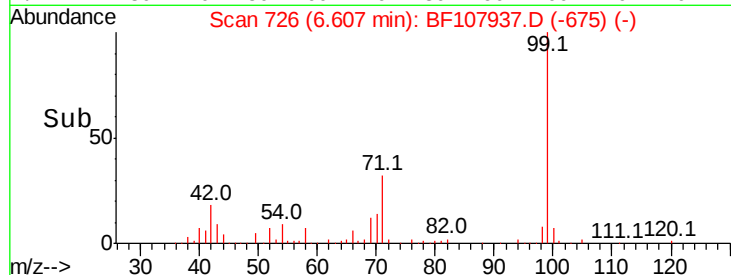
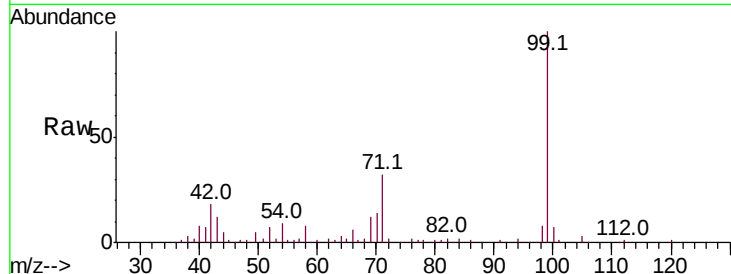
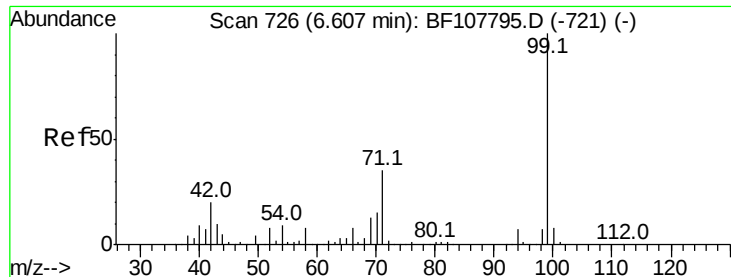
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 41.737 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF107937.D

Acq: 3 Aug 2018 15:02

Tot Ion:	99	Resp:	486763
Ion Ratio	Lower	Upper	
99	100		
42	18.3	14.5	21.7
71	32.2	25.4	38.0

Instrument :

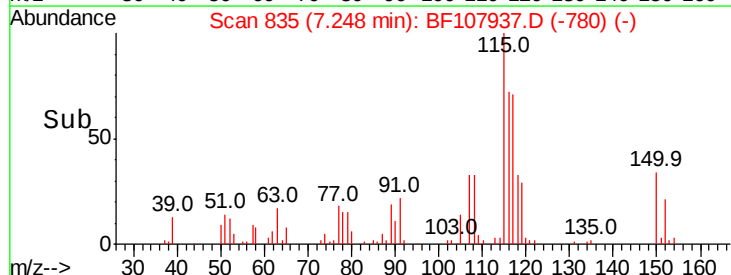
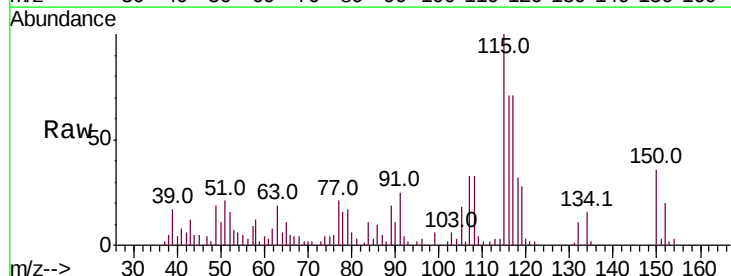
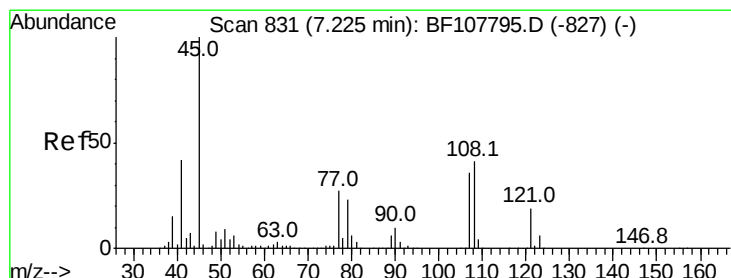
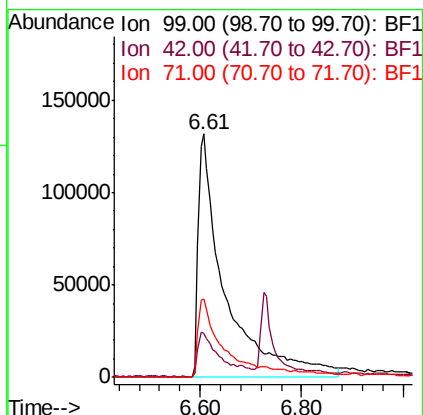
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ClientSampled :

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#17

2-Methylphenol

Concen: 3.046 ng m

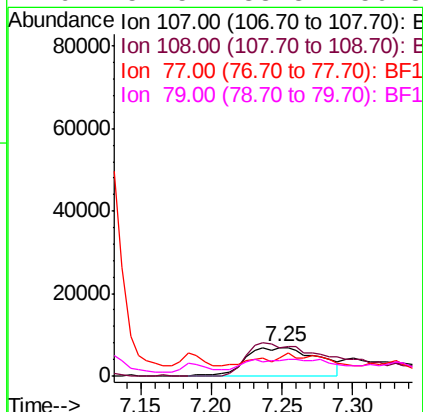
RT: 7.25 min Scan# 835

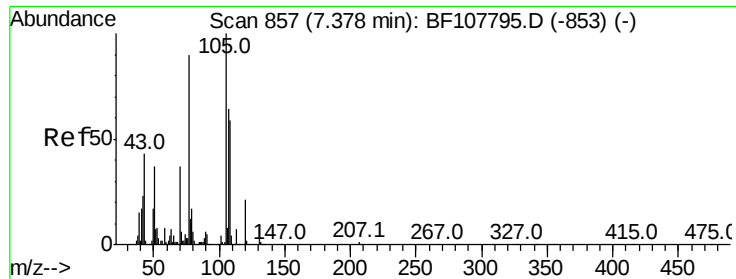
Delta R.T. 0.02 min

Lab File: BF107937.D

Acq: 3 Aug 2018 15:02

Tgt Ion:	107	Resp:	24997
Ion Ratio	Lower	Upper	
107	100		
108	99.6	91.7	137.5
77	63.5	33.8	50.8#
79	52.5	33.8	50.8#





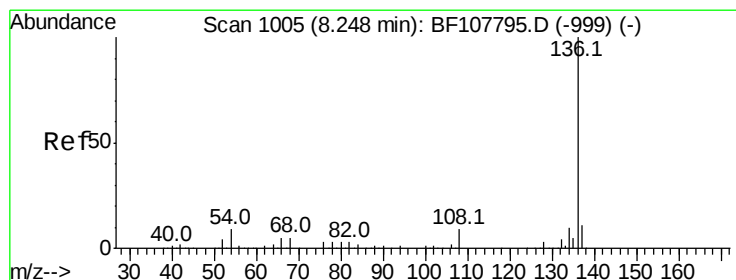
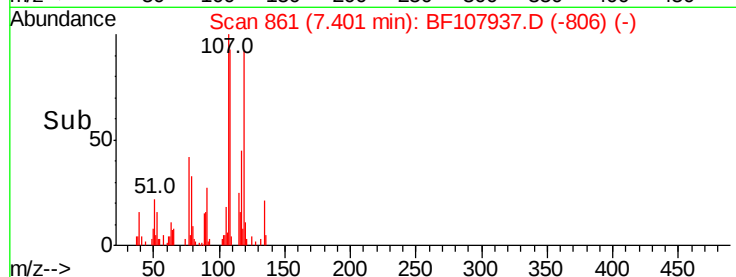
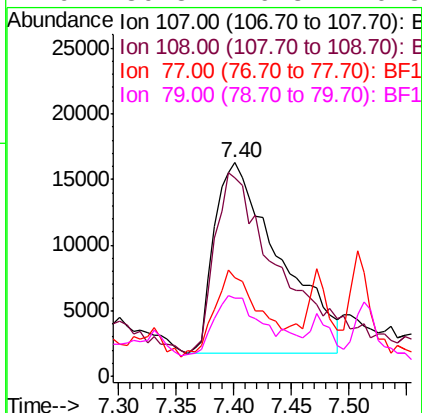
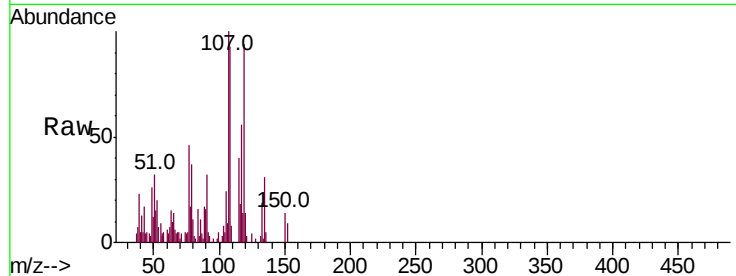
#20
3+4-Methylphenols
Concen: 5.701 ng
RT: 7.40 min Scan# 861
Delta R.T. 0.02 min
Lab File: BF107937.D
Acq: 3 Aug 2018 15:02

Instrument :
BNA_F
ClientSampled :
GW-04

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	93.0	68.2	108.2	
77	46.2	26.7	66.7	
79	36.8	6.3	46.3	

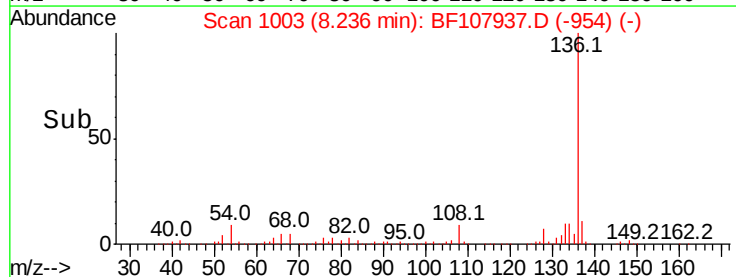
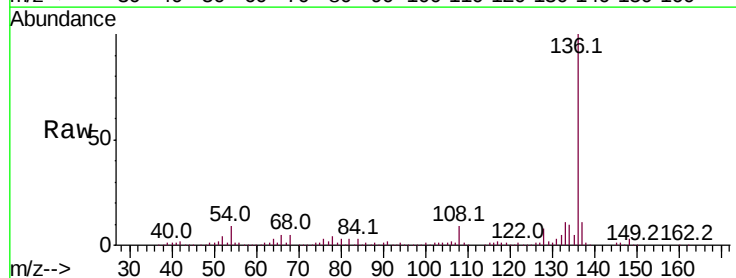
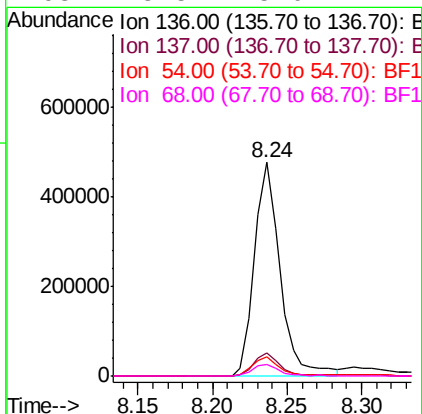
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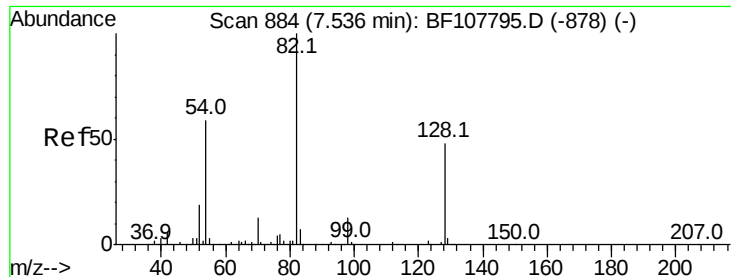
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107937.D
Acq: 3 Aug 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.9	13.3	
54	9.1	6.6	9.8	
68	5.5	5.0	7.4	





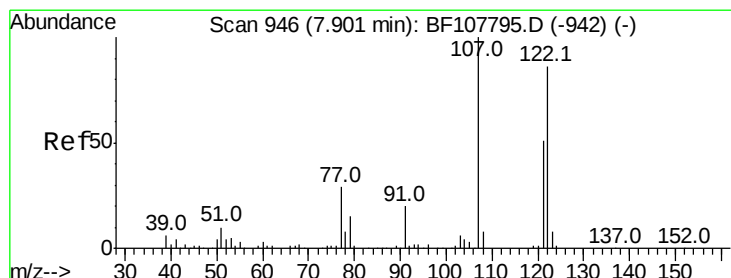
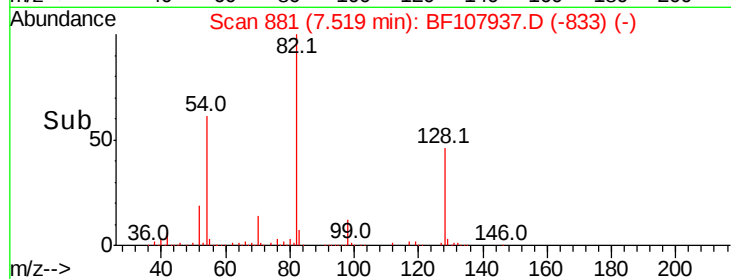
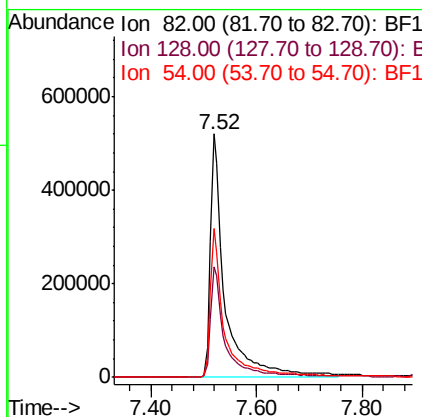
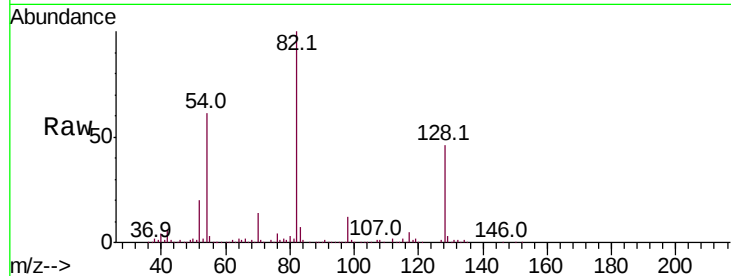
#23
 Nitrobenzene-d5
 Concen: 102.720 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF107937.D
 Acq: 3 Aug 2018 15:02

Instrument :
 BNA_F
 ClientSampleId :
 GW-04

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	61.0	41.4	62.2

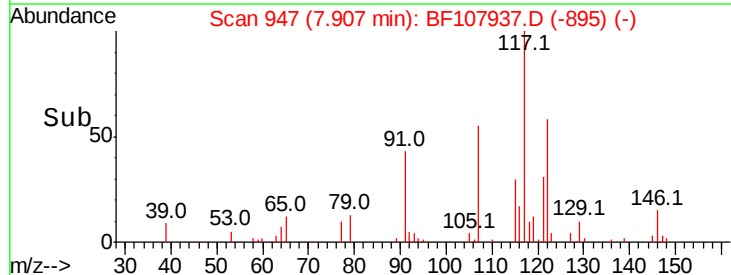
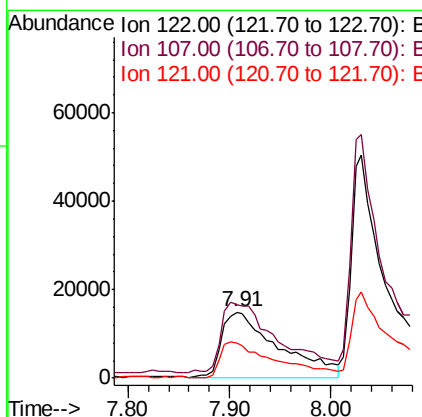
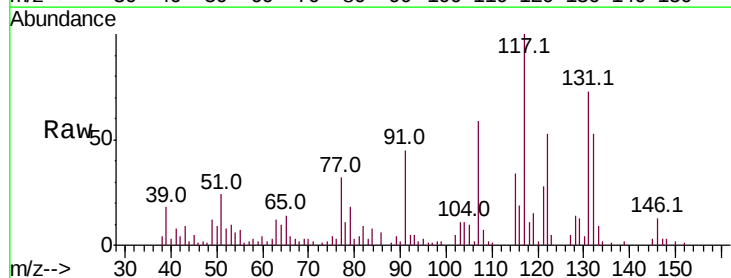
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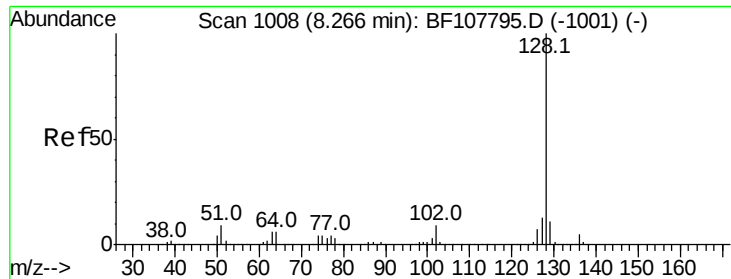
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#27
 2,4-Dimethylphenol
 Concen: 8.507 ng
 RT: 7.91 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: BF107937.D
 Acq: 3 Aug 2018 15:02

Tgt Ion	Ratio	Lower	Upper
122	100		
107	111.9	91.2	136.8
121	53.5	47.2	70.8





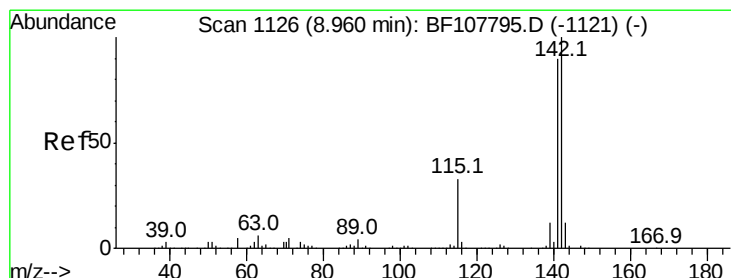
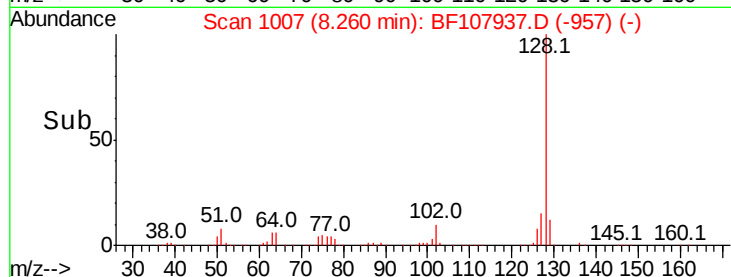
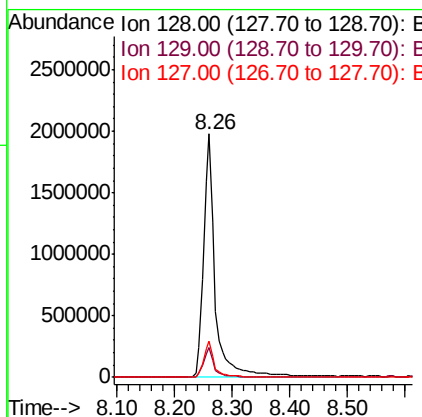
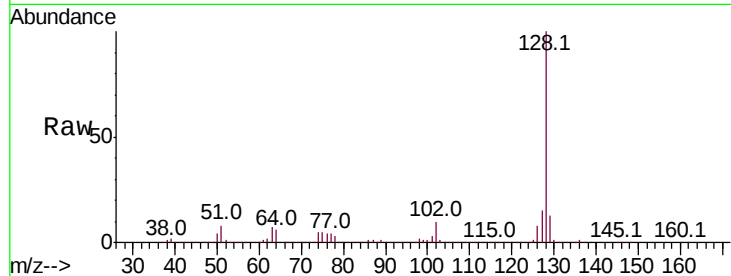
#31
Naphthalene
Concen: 107.992 ng
RT: 8.26 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF107937.D
Acq: 3 Aug 2018 15:02

Instrument :
BNA_F
ClientSampled :
GW-04

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.5	8.8	13.2
127	14.8	10.9	16.3

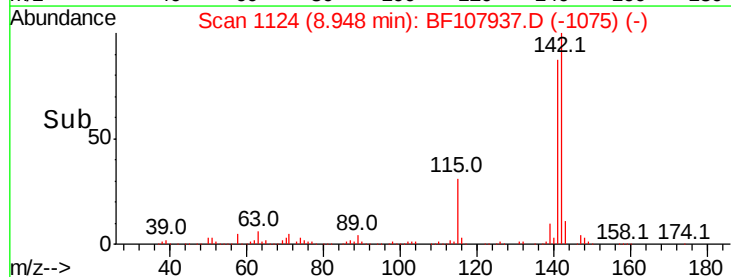
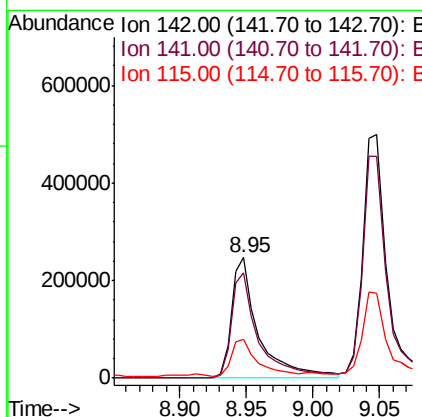
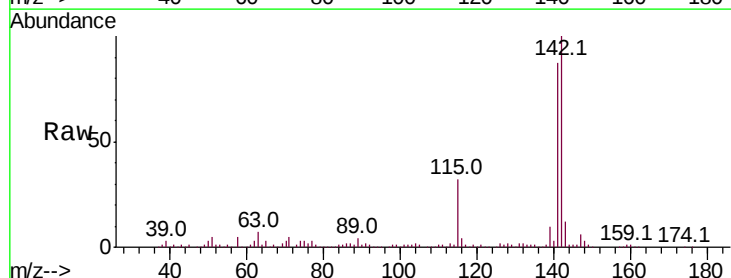
Manual Integrations
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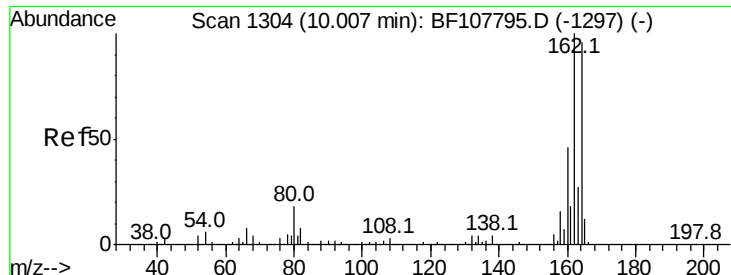
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#37
2-Methylnaphthalene
Concen: 21.131 ng
RT: 8.95 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF107937.D
Acq: 3 Aug 2018 15:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.8	106.2
115	32.3	26.1	39.1





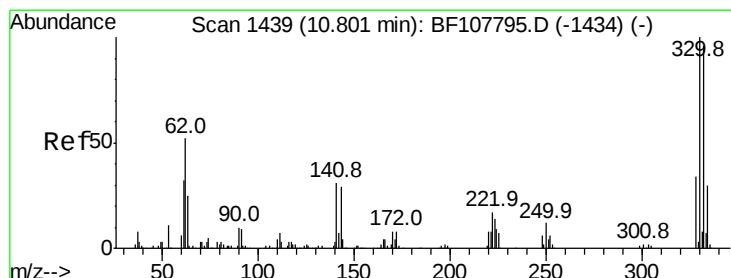
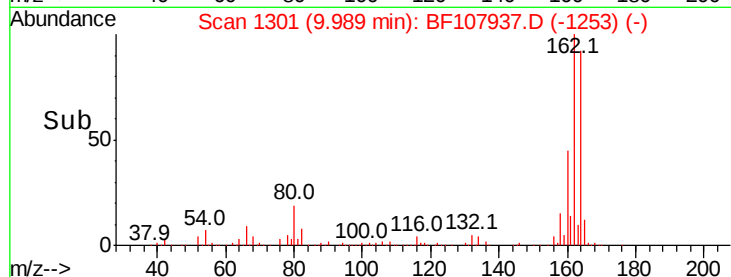
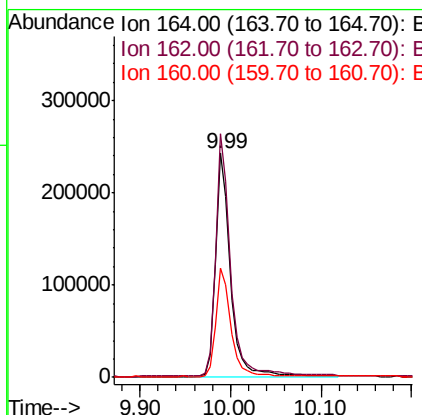
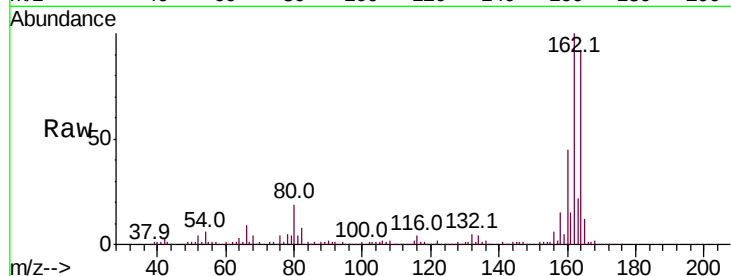
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107937.D
 Acq: 3 Aug 2018 15:02

Instrument :
 BNA_F
 ClientSampleId :
 GW-04

Tot Ion:	164	Resp:	283331
Ion Ratio	Lower	Upper	
164	100		
162	108.6	86.1	129.1
160	48.7	38.3	57.5

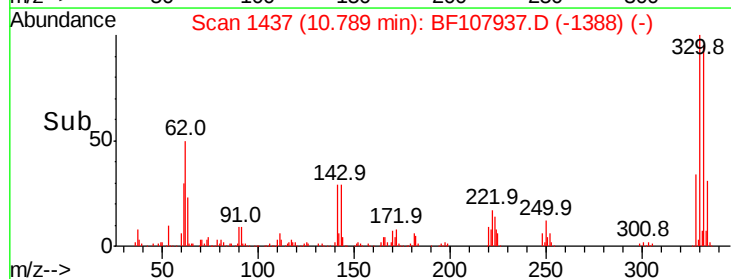
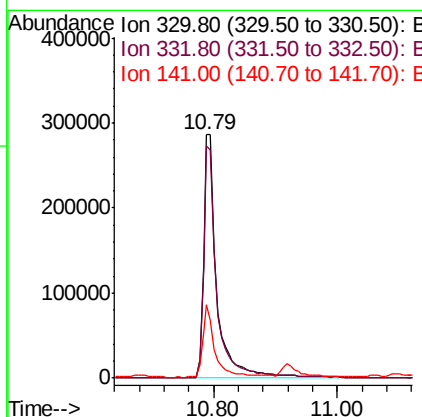
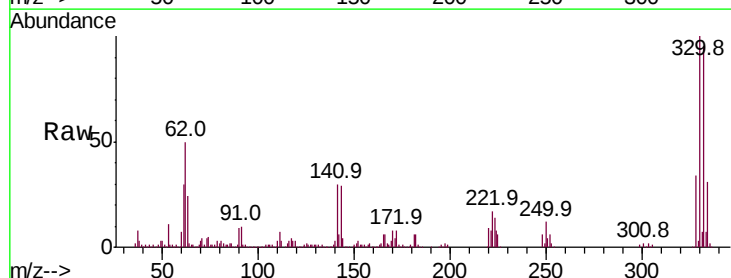
Manual Integrations
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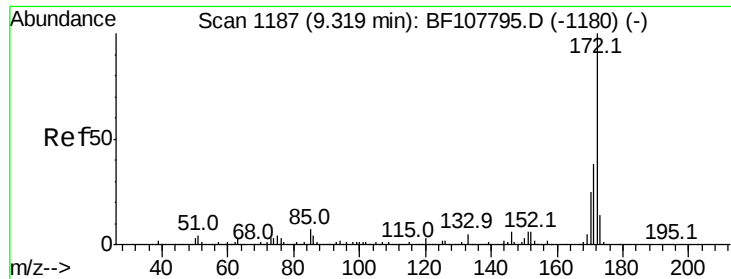
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#41
 2,4,6-Tribromophenol
 Concen: 112.642 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107937.D
 Acq: 3 Aug 2018 15:02

Tgt Ion:	330	Resp:	433661
Ion Ratio	Lower	Upper	
330	100		
332	95.3	77.0	115.6
141	26.8	29.9	44.9#





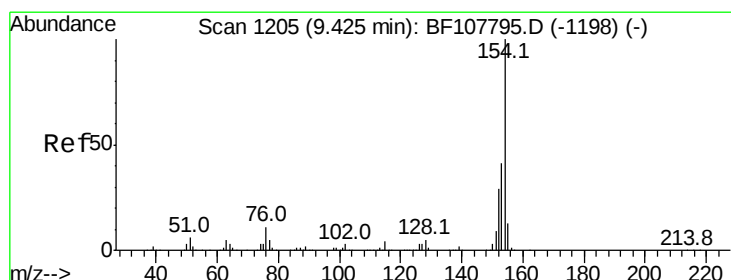
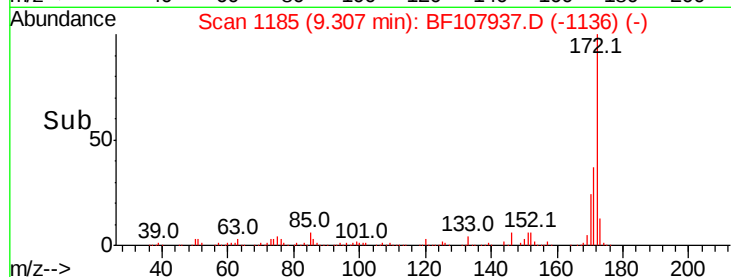
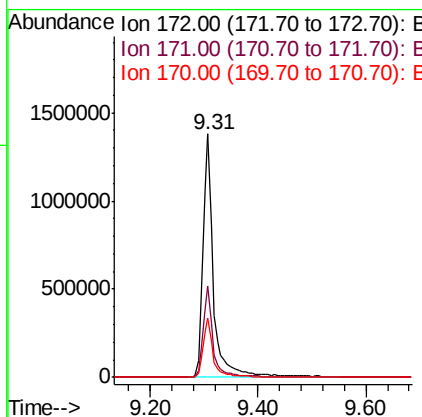
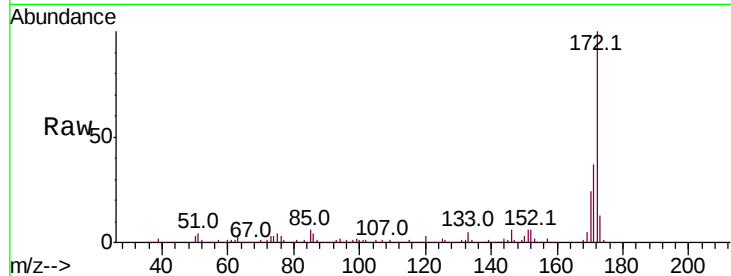
#44
2-Fluorobiphenyl
Concen: 91.332 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF107937.D
Acq: 3 Aug 2018 15:02

Instrument :
BNA_F
ClientSampled :
GW-04

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.7	44.5
170	24.5	19.6	29.4

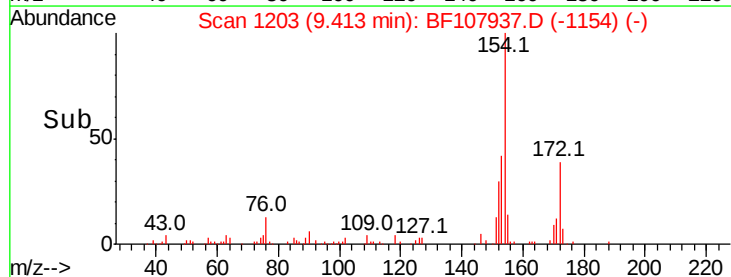
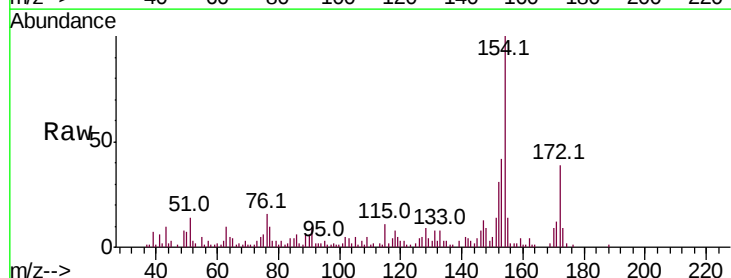
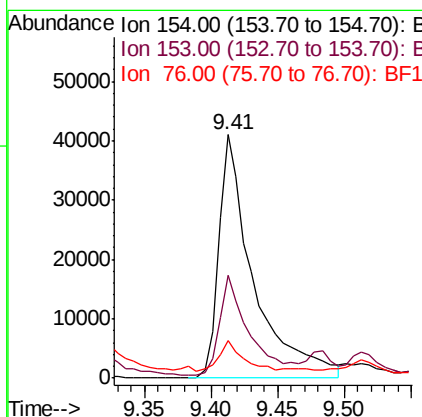
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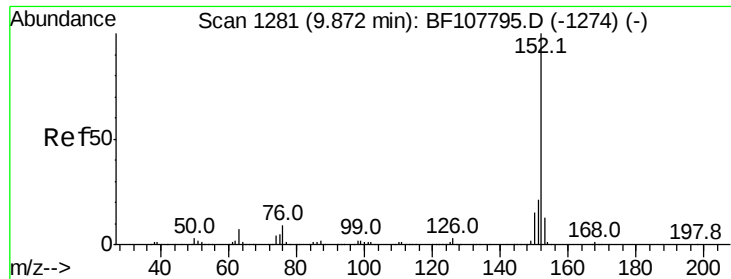
Sohil
8/6/2018 5:05:20 PM



#45
1,1'-Biphenyl
Concen: 2.902 ng
RT: 9.41 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF107937.D
Acq: 3 Aug 2018 15:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.3	21.3	61.3
76	15.5	0.0	34.0





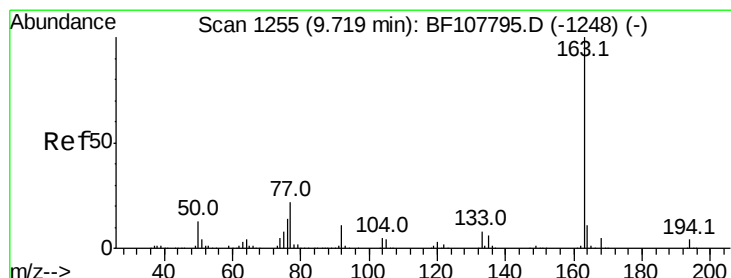
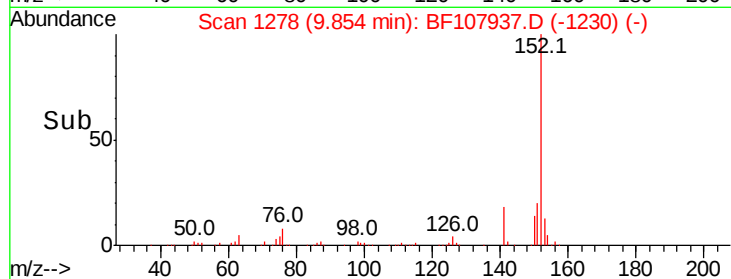
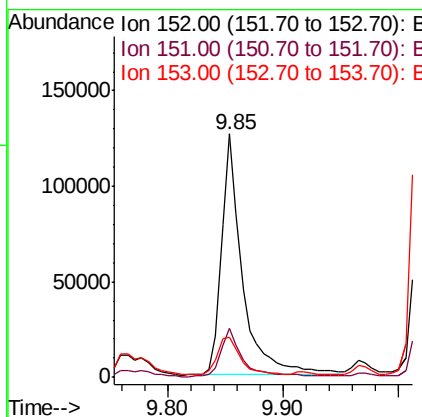
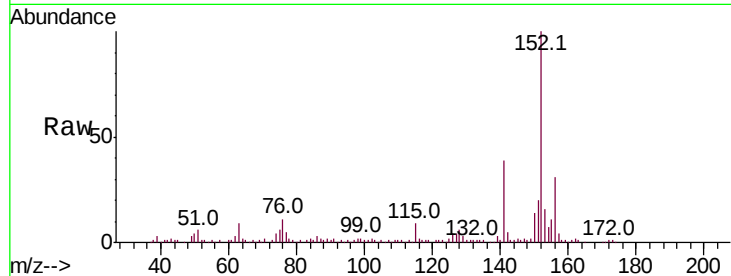
#48
Acenaphthylene
Concen: 5.279 ng
RT: 9.85 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF107937.D
Acq: 3 Aug 2018 15:02

Instrument :
BNA_F
ClientSampleId :
GW-04

Tot Ion	Ratio	Resp Lower	Upper
152	100		
151	20.2	16.3	24.5
153	16.4	10.7	16.1#

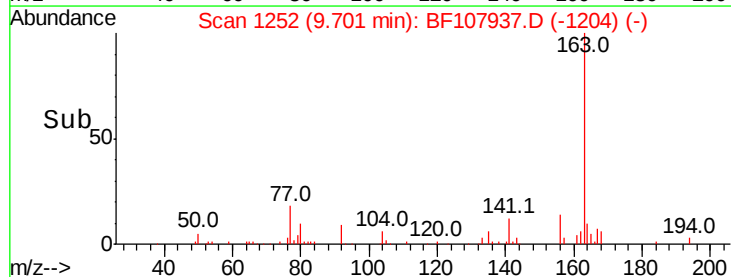
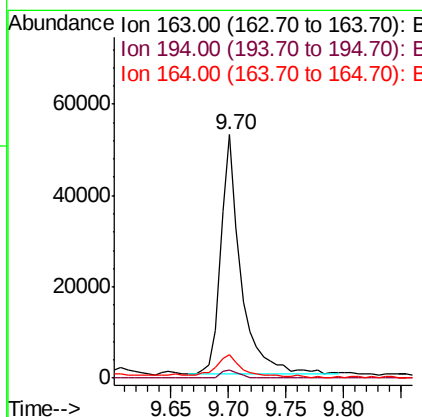
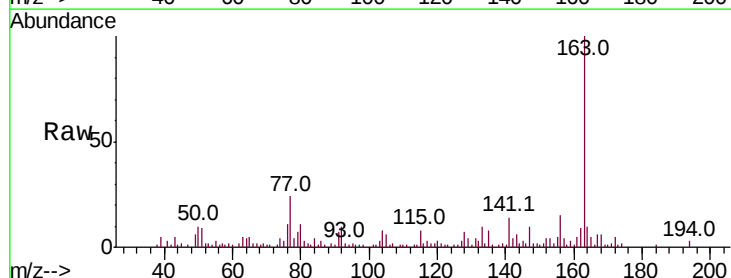
Manual Integrations
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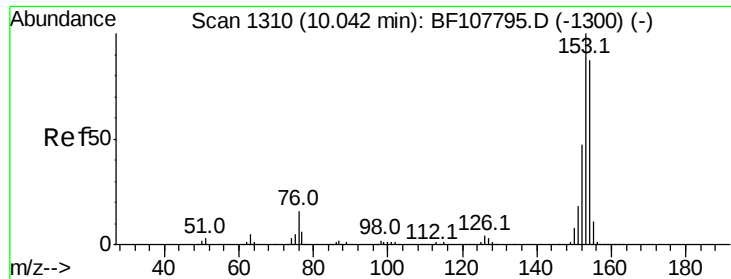
Sohil
8/6/2018 5:05:20 PM



#49
Dimethylphthalate
Concen: 2.930 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107937.D
Acq: 3 Aug 2018 15:02

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.1	2.7	4.1
164	9.9	8.2	12.2





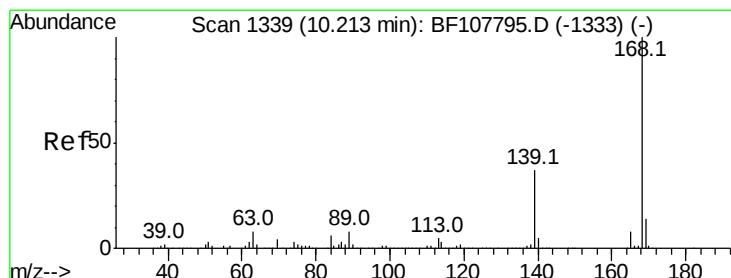
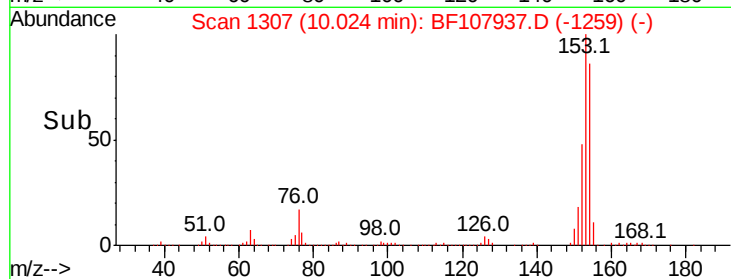
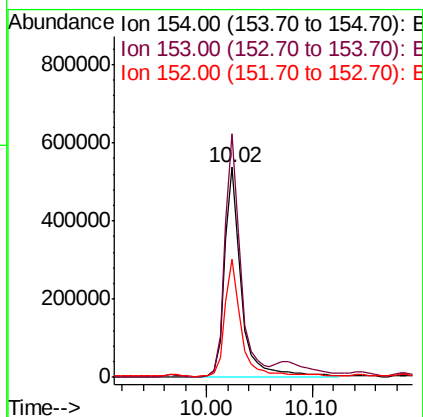
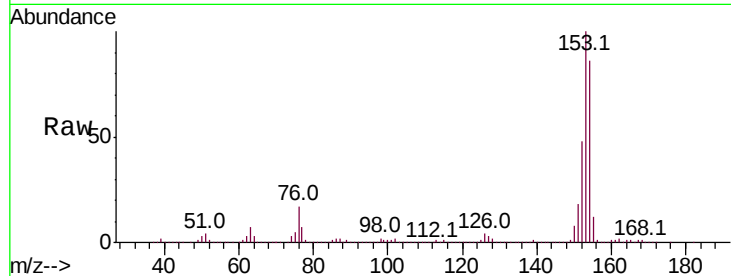
#51
Acenaphthene
Concen: 33.626 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF107937.D
Acq: 3 Aug 2018 15:02

Instrument :
BNA_F
ClientSampleId :
GW-04

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.8	91.2	136.8
152	56.0	43.8	65.8

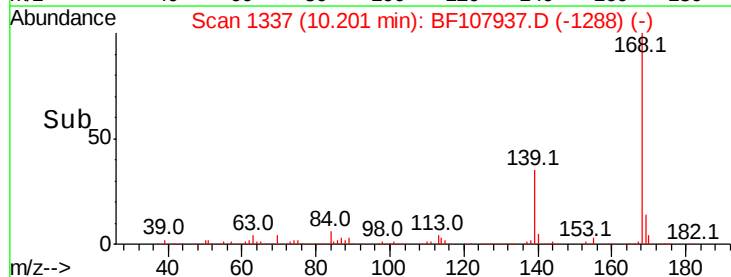
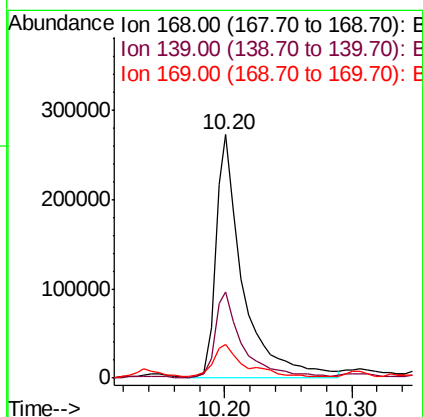
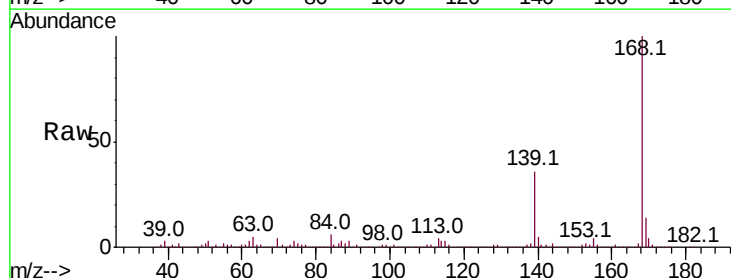
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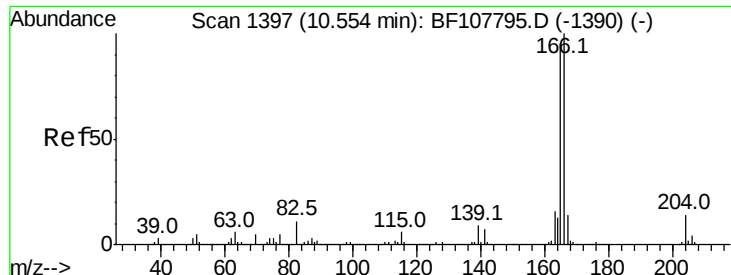
Sohil
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#54
Dibenzofuran
Concen: 14.685 ng
RT: 10.20 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF107937.D
Acq: 3 Aug 2018 15:02

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.6	30.1	45.1
169	13.6	10.9	16.3





#57

Fluorene

Concen: 21.743 ng

RT: 10.54 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BF107937.D

Acq: 3 Aug 2018 15:02

Instrument :

BNA_F

ClientSampleId :

GW-04

Tot Ion:166 Resp: 457338

Ion Ratio Lower Upper

166 100

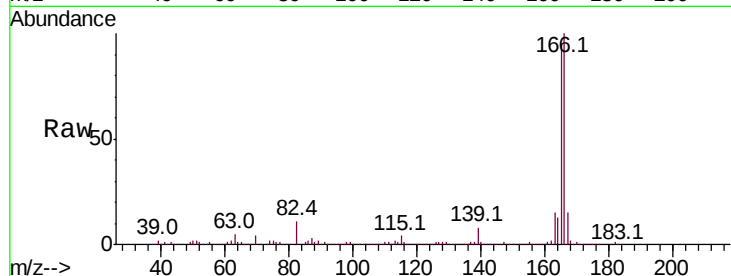
165 94.8 79.8 119.8

167 15.1 10.6 16.0

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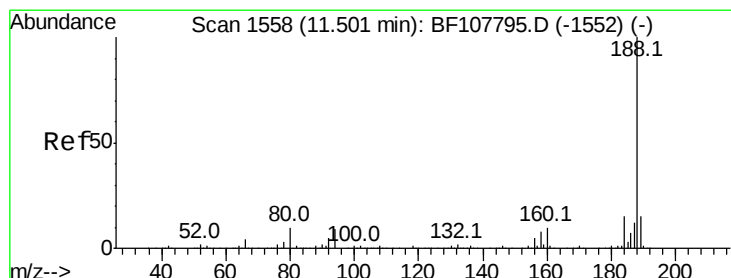
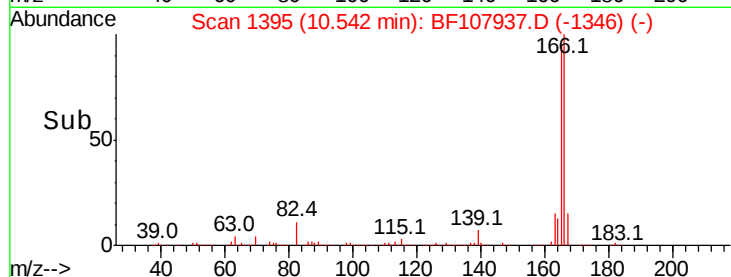
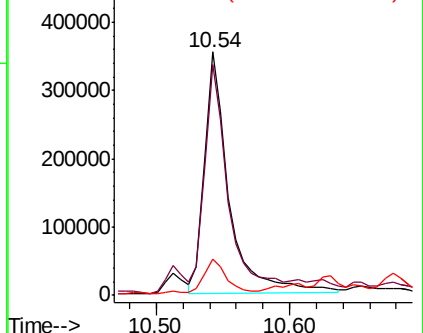
8/6/2018 5:05:20 PM



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: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF107937.D

Acq: 3 Aug 2018 15:02

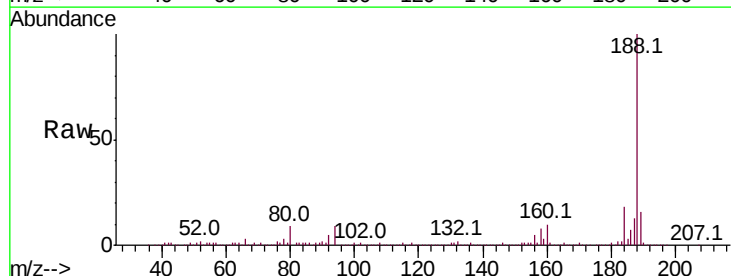
Tgt Ion:188 Resp: 540202

Ion Ratio Lower Upper

188 100

94 9.1 8.5 12.7

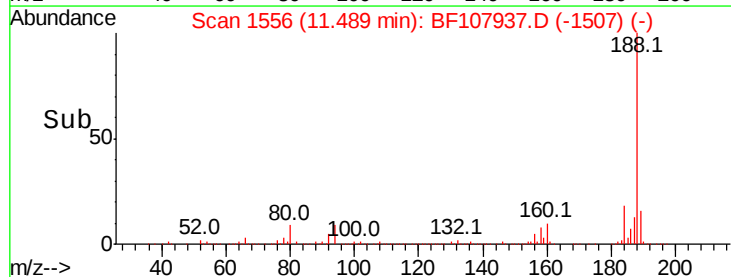
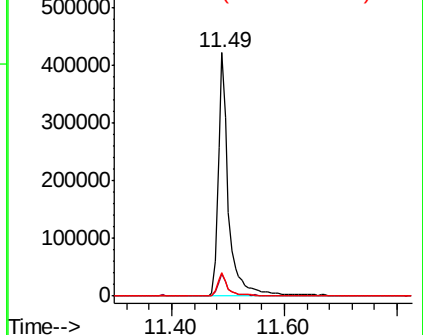
80 9.4 9.2 13.8

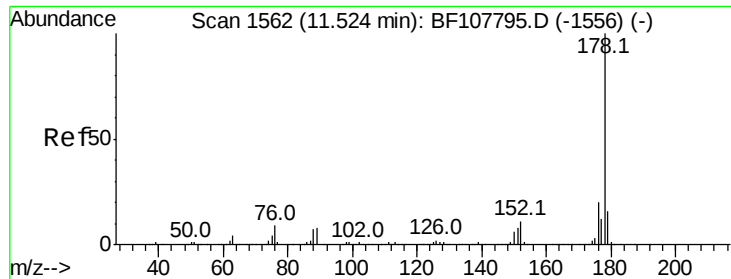


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





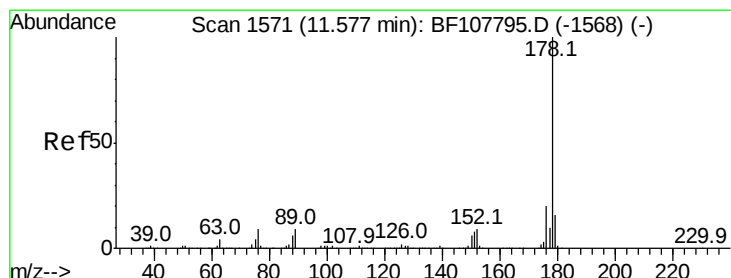
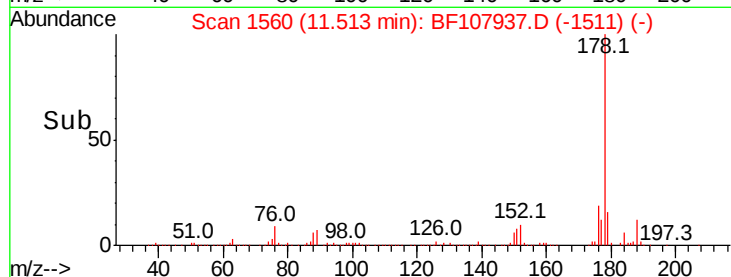
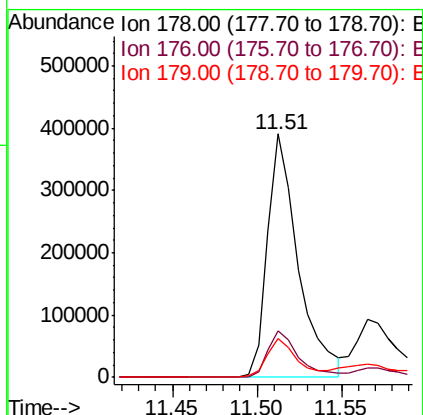
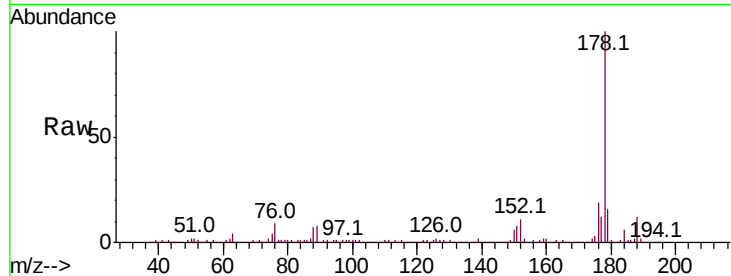
#70
Phenanthrene
Concen: 19.178 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107937.D
Acq: 3 Aug 2018 15:02

Instrument :
BNA_F
ClientSampled :
GW-04

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	16.1	13.0	19.6

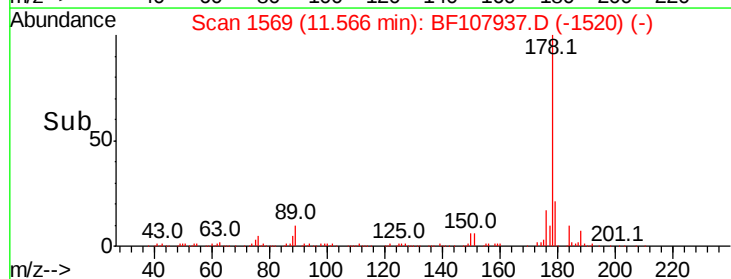
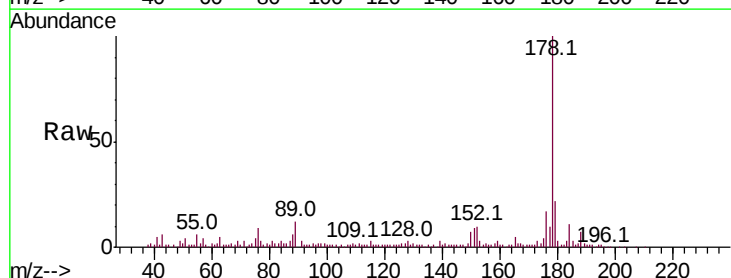
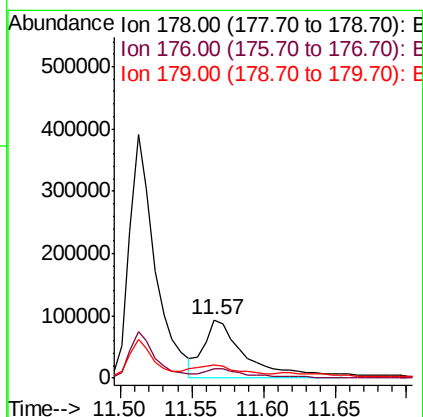
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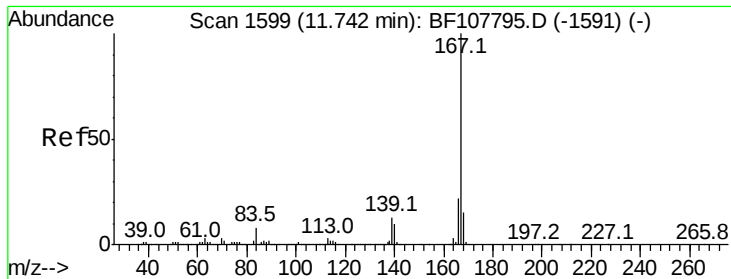
Sohil
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#71
Anthracene
Concen: 6.450 ng m
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF107937.D
Acq: 3 Aug 2018 15:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.8	15.4	23.2
179	22.0	12.6	19.0





#72

Carbazole

Concen: 27.437 ng

RT: 11.73 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF107937.D

Acq: 3 Aug 2018 15:02

Instrument :

BNA_F

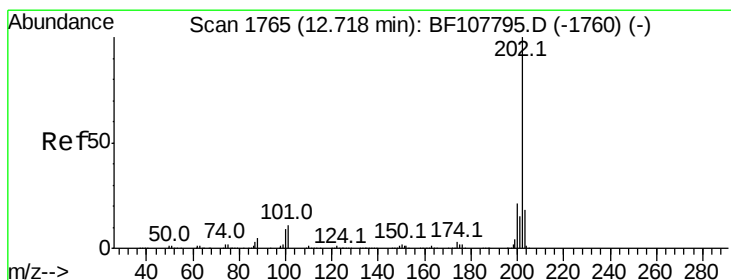
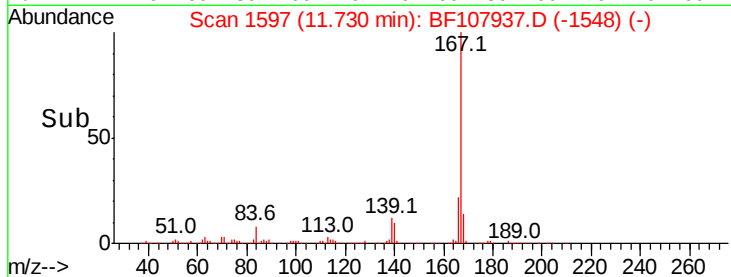
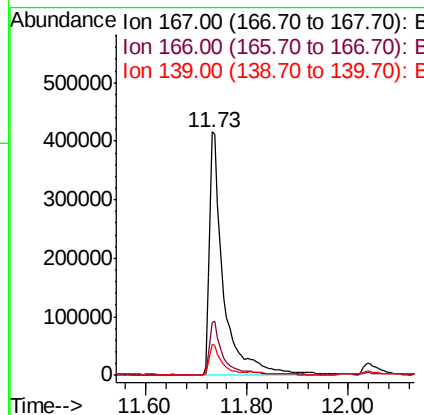
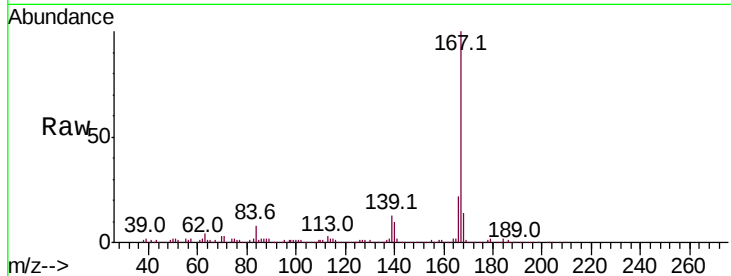
ClientSampled :

GW-04

Tot Ion:	167	Resp:	802196
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.6	26.4
139	12.7	10.9	16.3

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#74

Fluoranthene

Concen: 3.506 ng

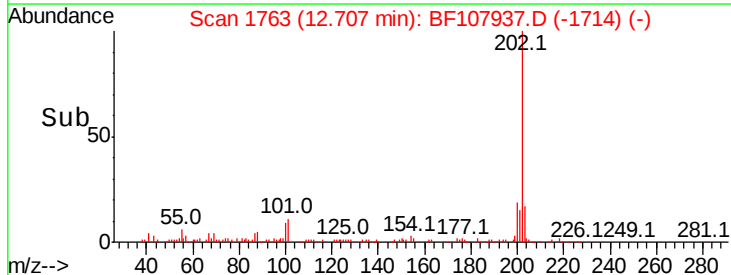
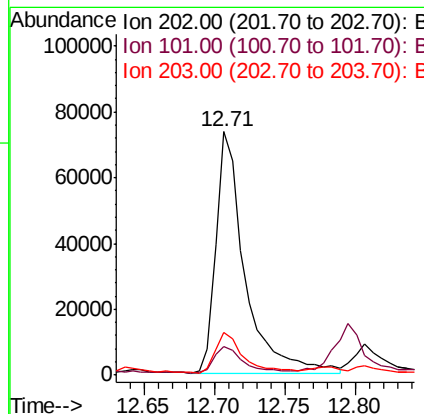
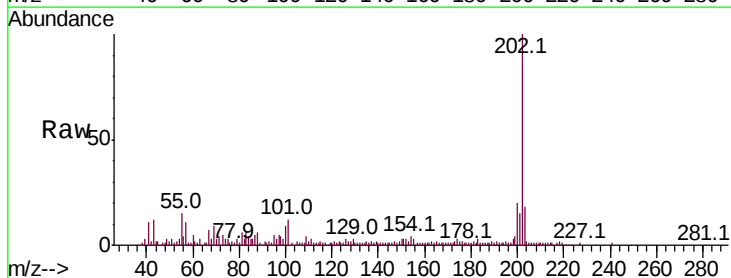
RT: 12.71 min Scan# 1763

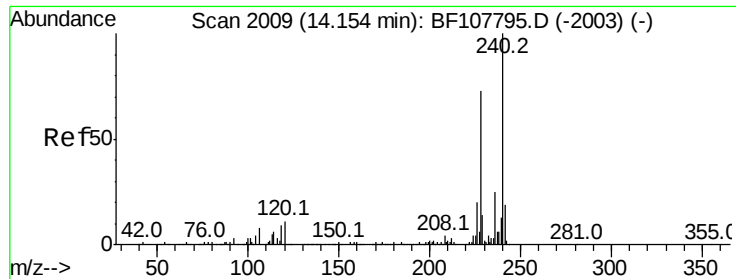
Delta R.T. -0.01 min

Lab File: BF107937.D

Acq: 3 Aug 2018 15:02

Tgt Ion:	202	Resp:	105650
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	34.1
203	17.7	0.0	38.1





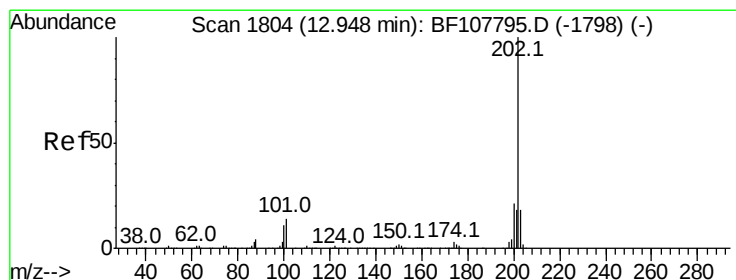
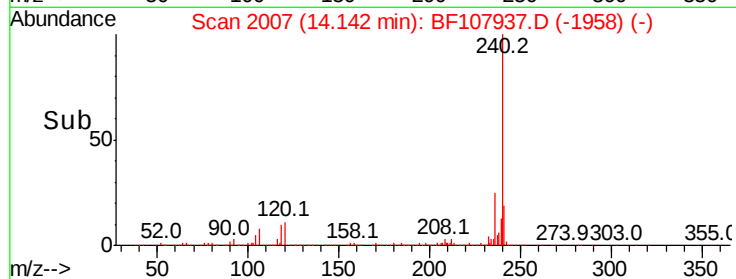
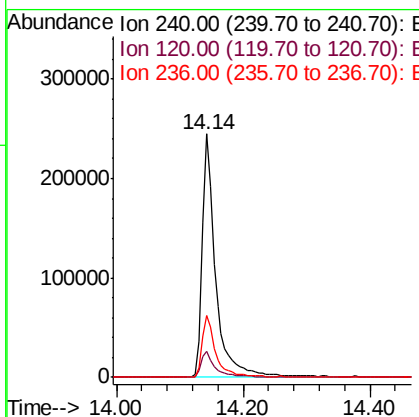
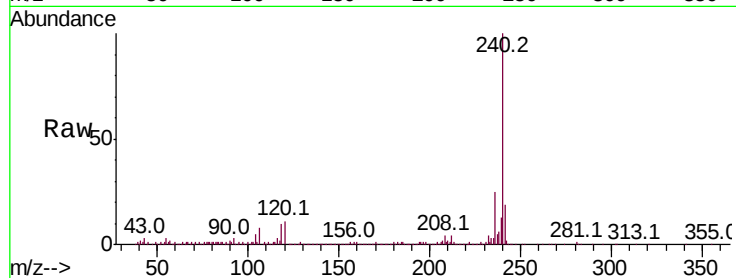
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF107937.D
Acq: 3 Aug 2018 15:02

Instrument :
BNA_F
ClientSampleId :
GW-04

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	10.5	9.5	14.3	
236	25.3	20.7	31.1	

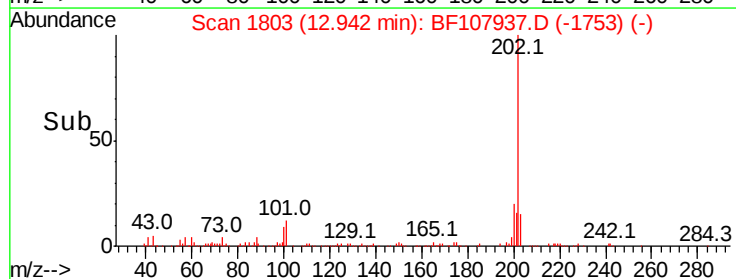
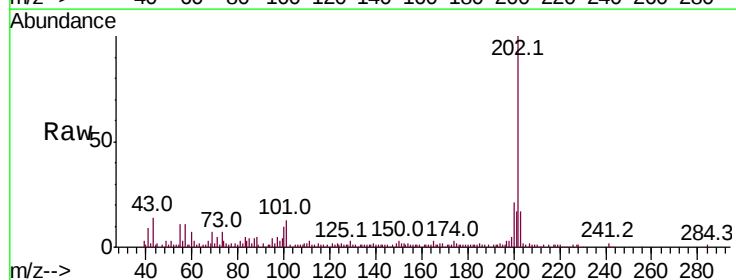
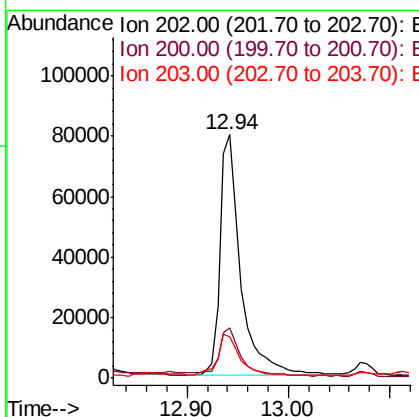
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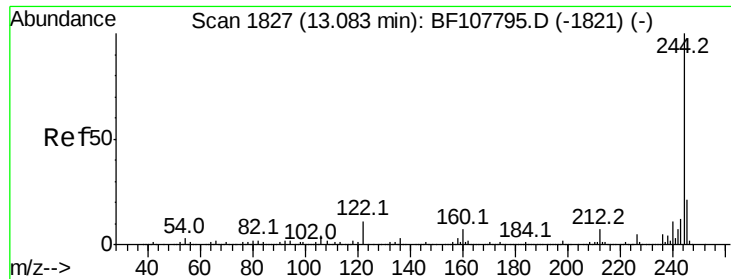
Sohil
8/6/2018 5:05:20 PM



#77
Pyrene
Concen: 4.267 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF107937.D
Acq: 3 Aug 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.8	17.4	26.2	
203	17.2	14.3	21.5	





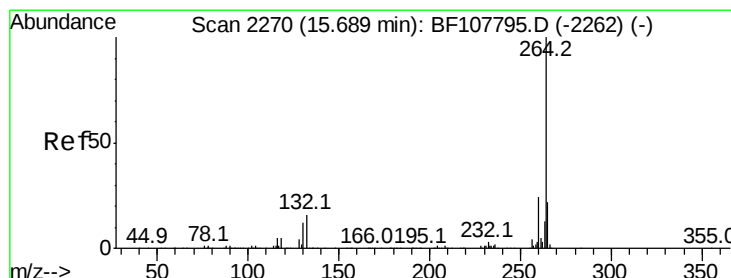
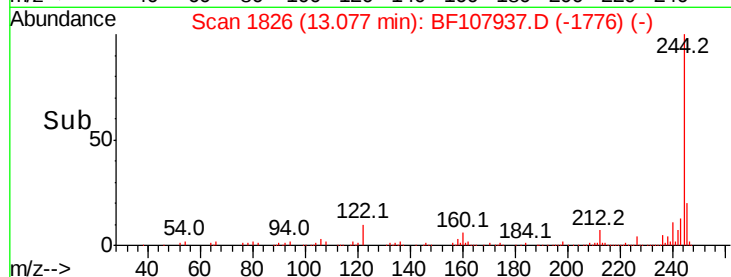
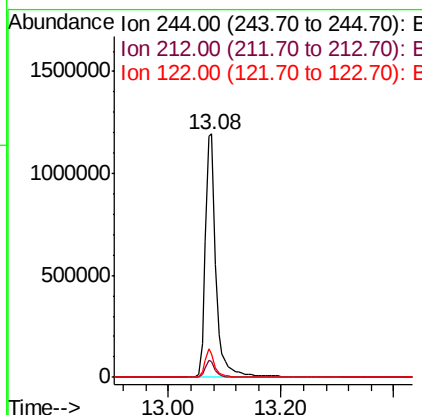
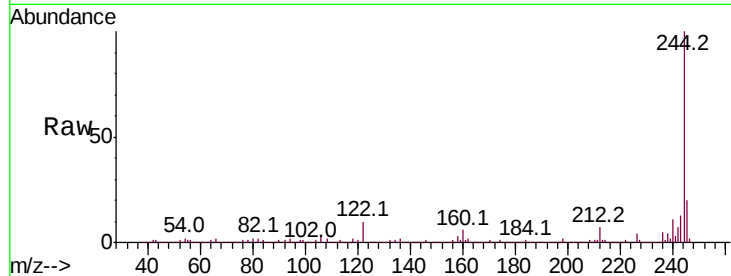
#78
 Terphenyl-d14
 Concen: 95.108 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107937.D
 Acq: 3 Aug 2018 15:02

Instrument :
 BNA_F
 ClientSampleId :
 GW-04

Tot Ion:244 Resp: 1591125
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 9.7 11.0 16.4#

Manual Integrations
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Sohil
 8/6/2018 5:05:20 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2267
 Delta R.T. -0.02 min
 Lab File: BF107937.D
 Acq: 3 Aug 2018 15:02

Tgt Ion:264 Resp: 390945
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.0 17.5 26.3

