

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
 Data File : BF107750.D
 Acq On : 27 Jul 2018 17:13
 Operator : JU/SJ
 Sample : J4121-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-03(3-5)

Manual Integrations
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Sohil
 7/30/2018 2:02:56 PM

Quant Time: Jul 27 19:14:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	159615	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	639730	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	276281	20.00	ng	-0.02
63) Phenanthrene-d10	11.50	188	475569	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	388645	20.00	ng	-0.01
86) Perylene-d12	15.68	264	442080	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	972099	97.92	ng	-0.01
7) Phenol-d6	6.60	99	1230301	103.21	ng	-0.01
23) Nitrobenzene-d5	7.52	82	784434	82.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	342585	109.04	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	1402777	87.72	ng	-0.02
78) Terphenyl-d14	13.08	244	1128709	74.35	ng	-0.02
Target Compounds						
31) Naphthalene	8.27	128	135348	4.811	ng	99
48) Acenaphthylene	9.86	152	167322	6.055	ng	99
49) Dimethylphthalate	9.71	163	121478	5.834	ng	99
51) Acenaphthene	10.03	154	94116	5.436	ng	98
57) Fluorene	10.55	166	194821	10.713	ng	95
70) Phenanthrene	11.52	178	1029085	44.406	ng	99
71) Anthracene	11.57	178	460356	19.730	ng	99
74) Fluoranthene	12.73	202	1640869	65.983	ng	96
77) Pyrene	12.95	202	1609698	60.552	ng	98
80) Benzo(a)anthracene	14.14	228	1006425	44.189	ng	94
82) Chrysene	14.18	228	834977	38.165	ng	98
85) Indeno(1,2,3-cd)pyrene	17.26	276	367316	19.810	ng	# 85
87) Benzo(b)fluoranthene	15.23	252	1010672m	41.773	ng	
88) Benzo(k)fluoranthene	15.25	252	391818m	16.530	ng	
89) Benzo(a)pyrene	15.62	252	802906	36.279	ng	98
90) Dibenzo(a,h)anthracene	17.27	278	82988	4.338	ng	93
91) Benzo(g,h,i)perylene	17.74	276	323555	17.146	ng	# 92

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

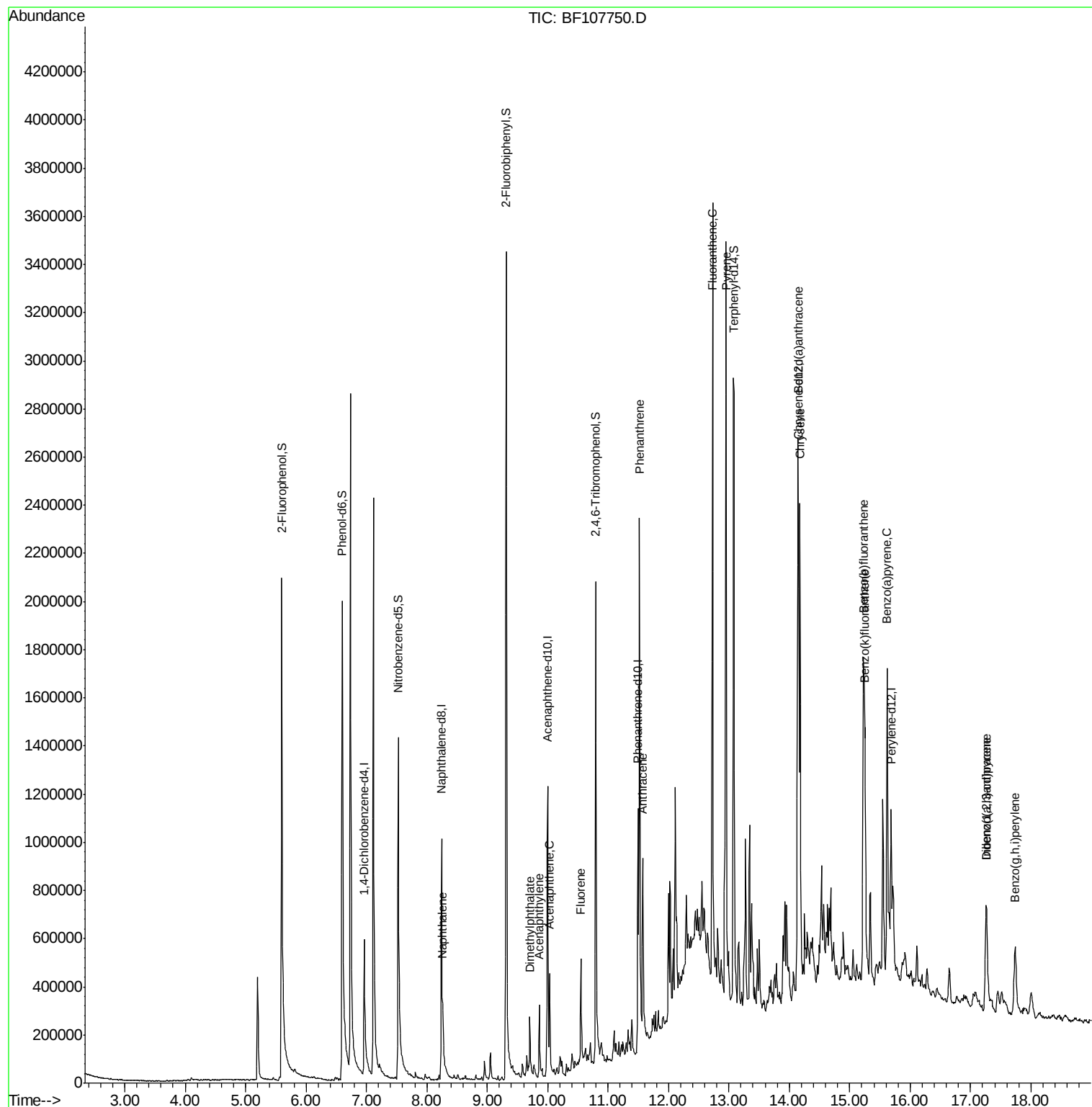
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
Data File : BF107750.D
Acq On : 27 Jul 2018 17:13
Operator : JU/SJ
Sample : J4121-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

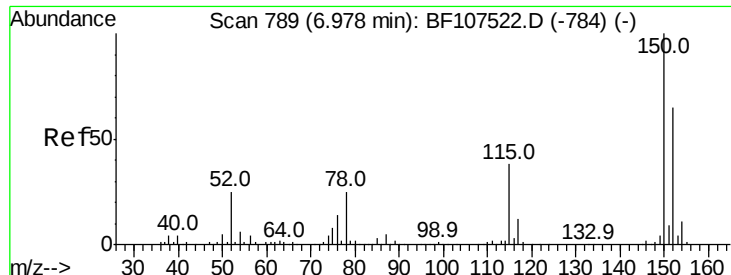
Instrument :
BNA_F
ClientSampleId :
GW-03(3-5)

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Quant Time: Jul 27 19:14:58 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

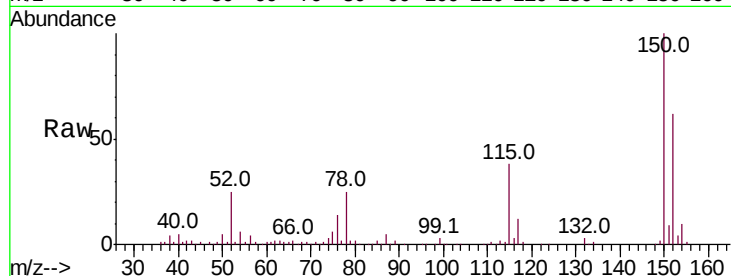
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107750.D
Acq: 27 Jul 2018 17:13

Instrument :
BNA_F
ClientSampleId :
GW-03(3-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	124.6	186.8
115	60.9	50.1	75.1

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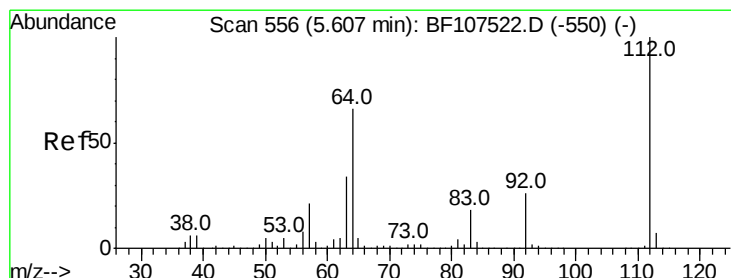
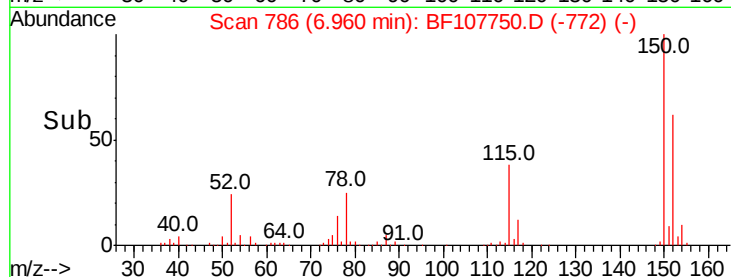
Abundance

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

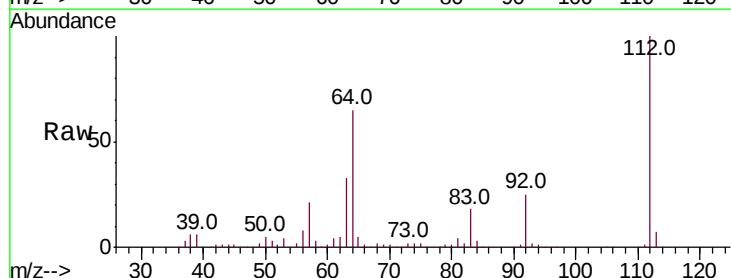
Time-->



#5

2-Fluorophenol
Concen: 97.920 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107750.D
Acq: 27 Jul 2018 17:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	47.9	71.9
63	33.2	23.7	35.5



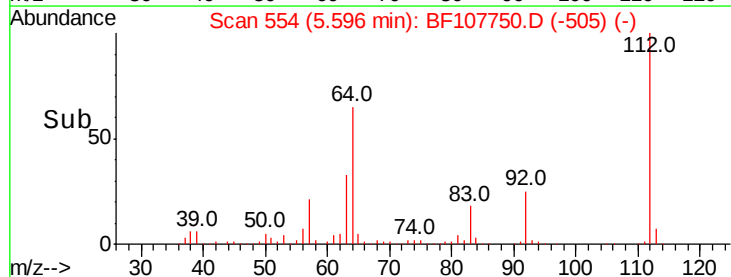
Abundance

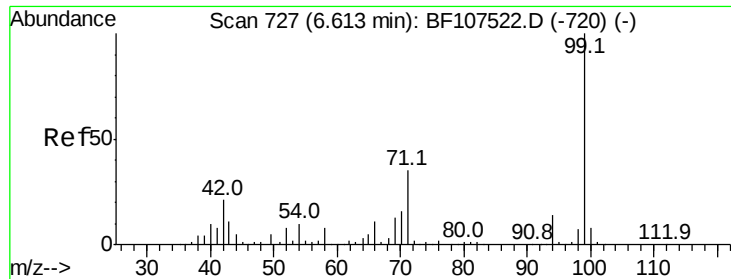
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 103.210 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107750.D

Acq: 27 Jul 2018 17:13

Instrument :

BNA_F

ClientSampleId :

GW-03(3-5)

Tot Ion: 99 Resp: 1230301

Ion Ratio Lower Upper

99 100

42 18.2 14.5 21.7

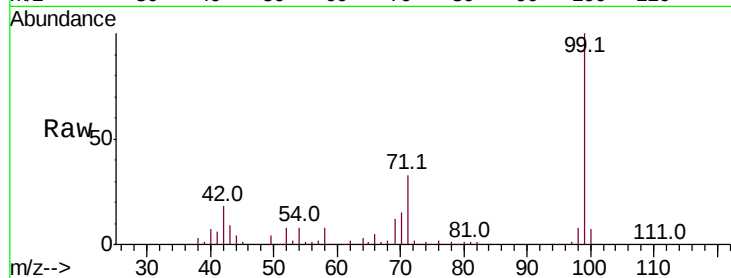
71 32.7 25.4 38.0

Manual Integrations

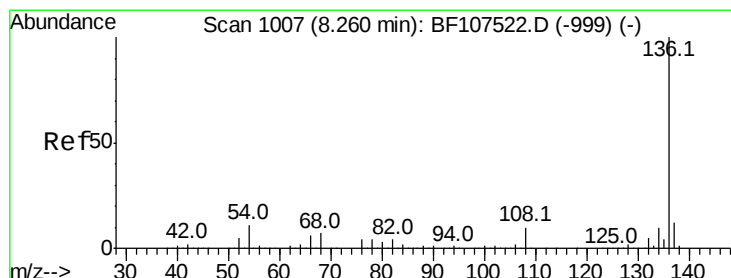
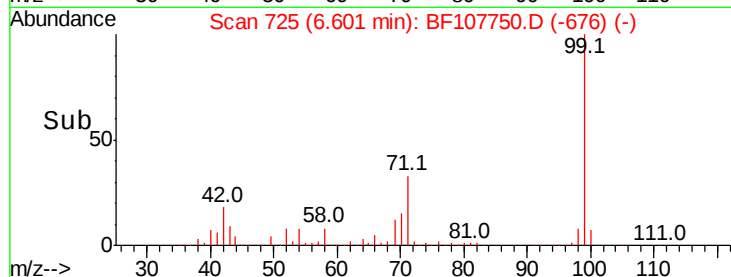
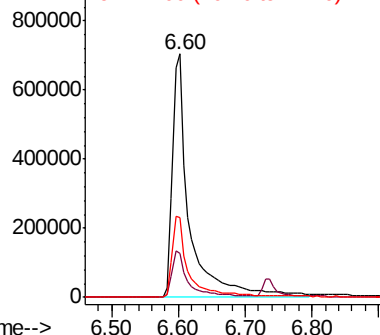
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF107750.D

Acq: 27 Jul 2018 17:13

Tgt Ion: 136 Resp: 639730

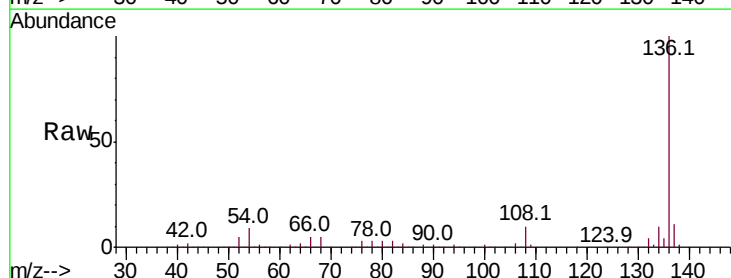
Ion Ratio Lower Upper

136 100

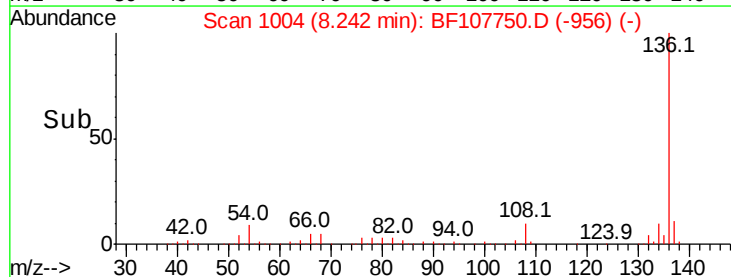
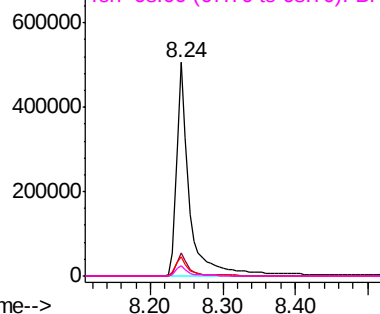
137 10.7 8.9 13.3

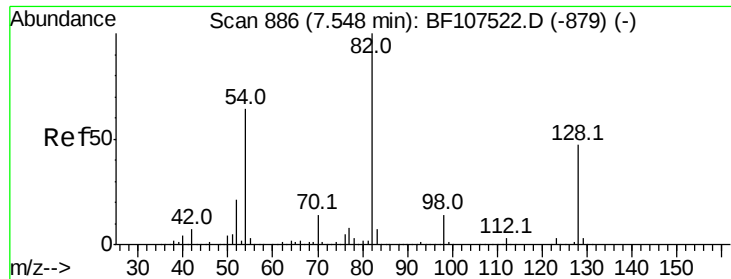
54 9.1 6.6 9.8

68 5.1 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





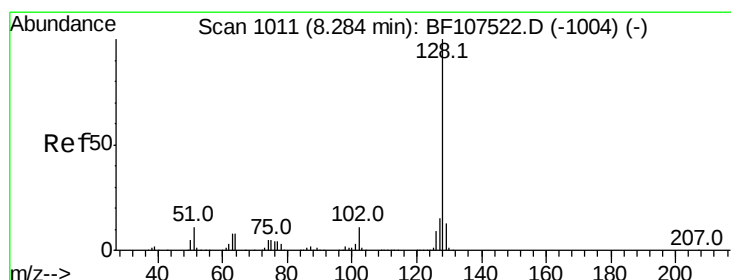
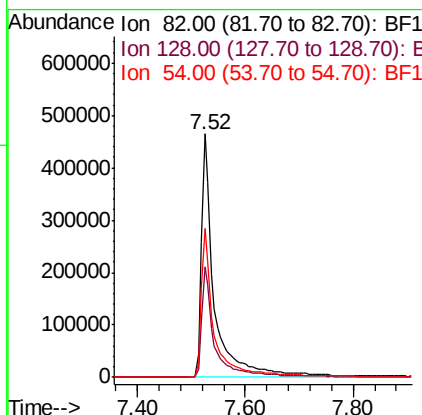
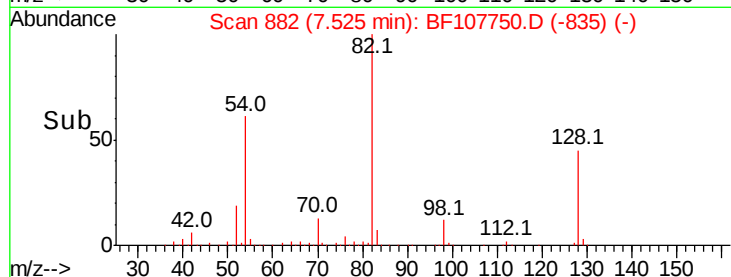
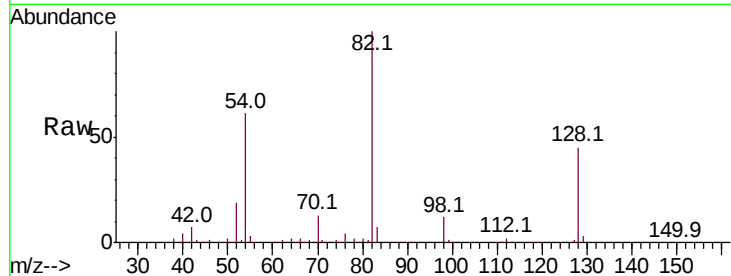
#23
 Nitrobenzene-d5
 Concen: 82.753 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: BF107750.D
 Acq: 27 Jul 2018 17:13

Instrument :
 BNA_F
 ClientSampleId :
 GW-03(3-5)

Tot Ion:	82	Resp:	784434
Ion Ratio	Lower	Upper	
82	100		
128	45.3	36.1	54.1
54	61.3	41.4	62.2

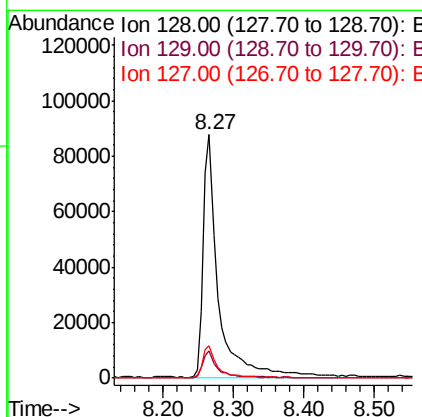
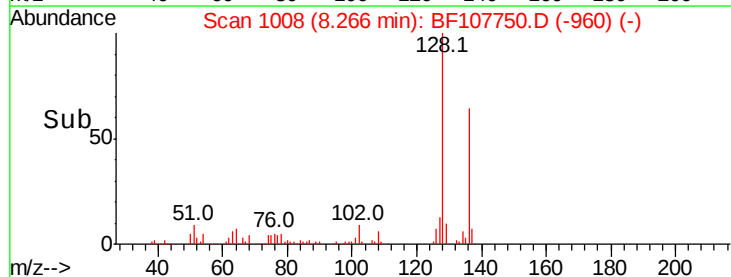
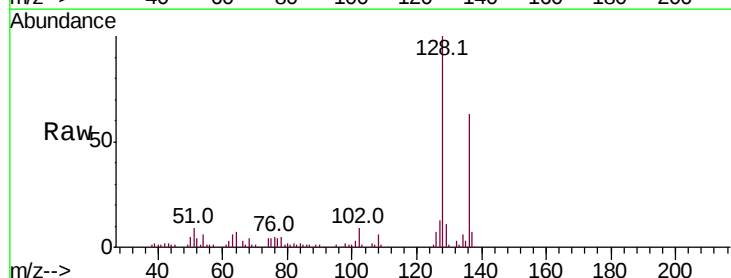
Manual Integrations
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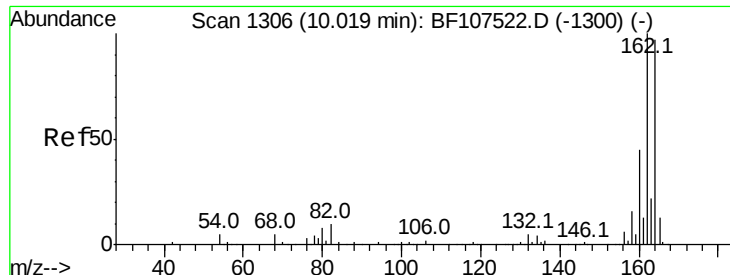
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#31
 Naphthalene
 Concen: 4.811 ng
 RT: 8.27 min Scan# 1008
 Delta R.T. -0.02 min
 Lab File: BF107750.D
 Acq: 27 Jul 2018 17:13

Tgt Ion:	128	Resp:	135348
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.8	13.2
127	13.2	10.9	16.3





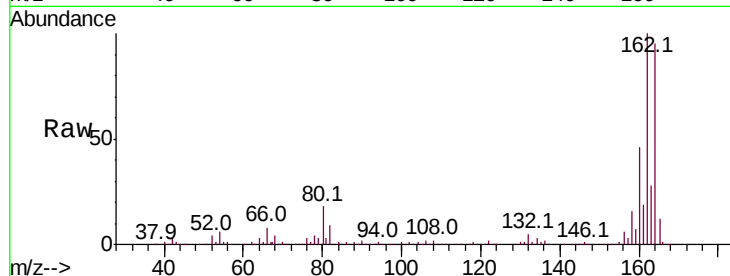
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107750.D
Acq: 27 Jul 2018 17:13

Instrument :
BNA_F
ClientSampleId :
GW-03(3-5)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	276281		
162	105.2	86.1	129.1	
160	48.0	38.3	57.5	

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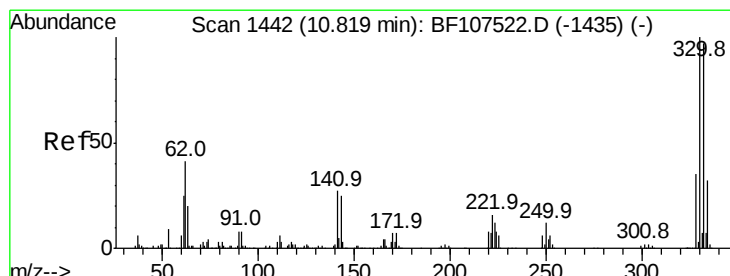
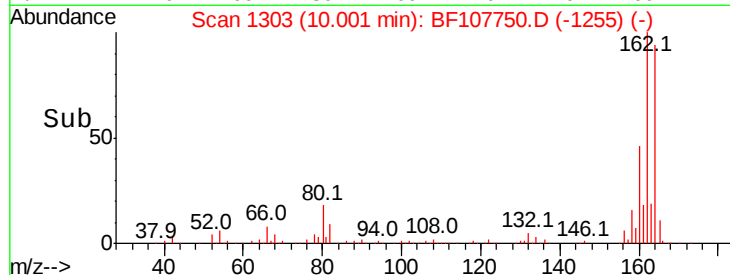
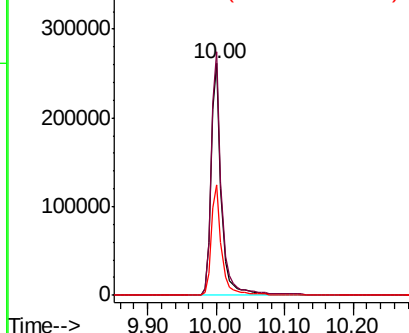


Abundance

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: 109.043 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.02 min
Lab File: BF107750.D
Acq: 27 Jul 2018 17:13

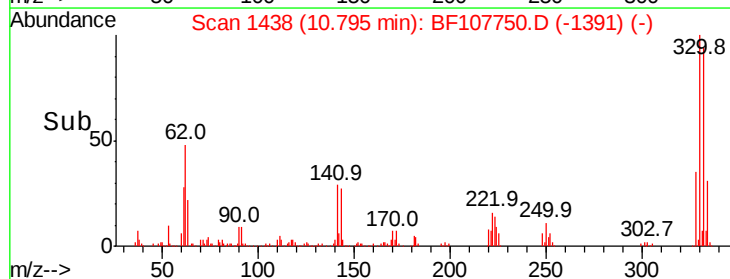
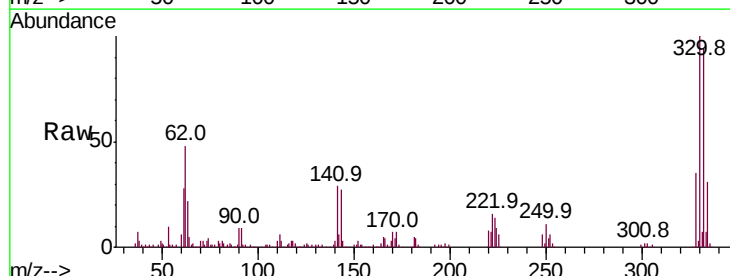
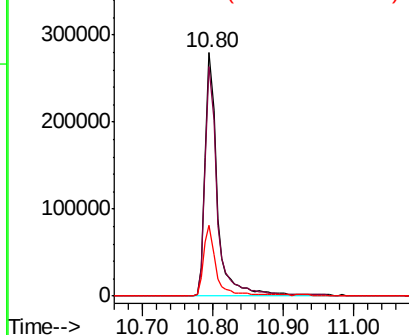
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	342585		
332	94.3	77.0	115.6	
141	29.7	29.9	44.9#	

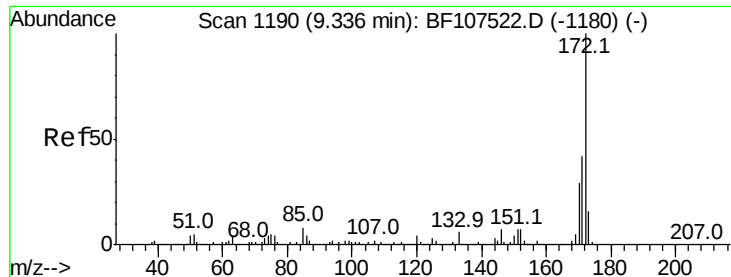
Abundance

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





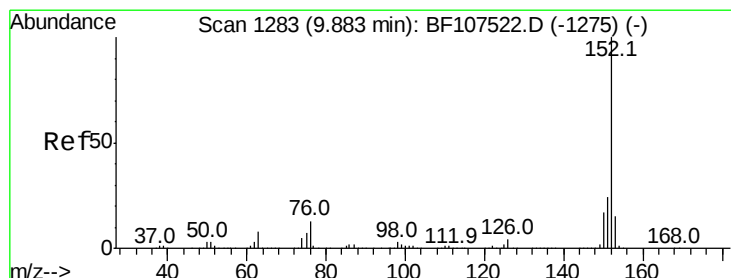
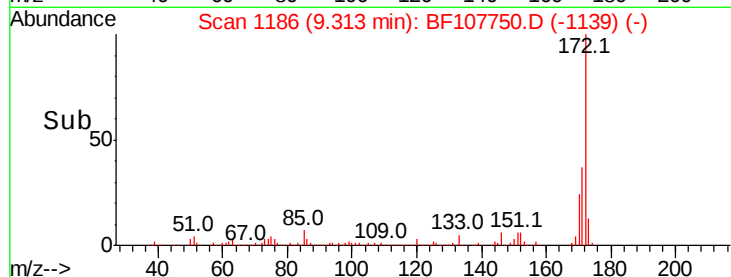
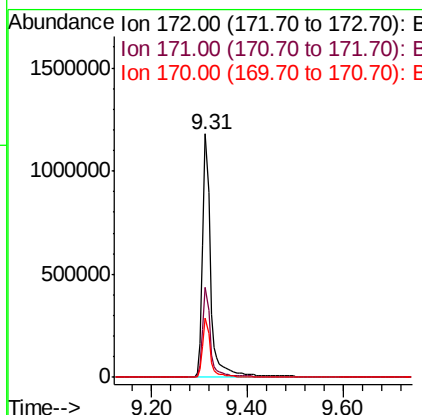
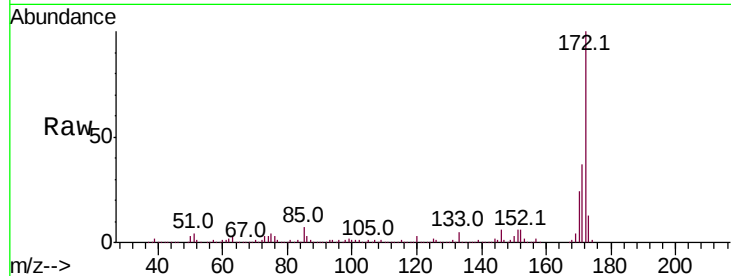
#44
2-Fluorobiphenyl
Concen: 87.716 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BF107750.D
Acq: 27 Jul 2018 17:13

Instrument :
BNA_F
ClientSampleId :
GW-03(3-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.1	19.6	29.4

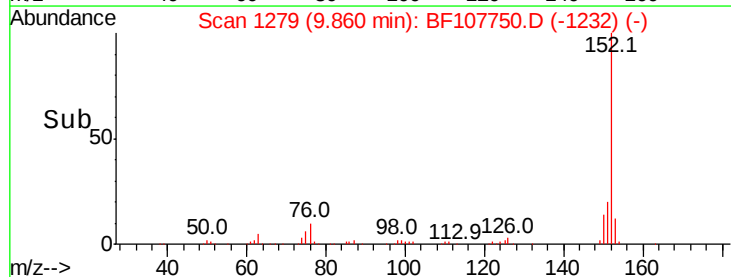
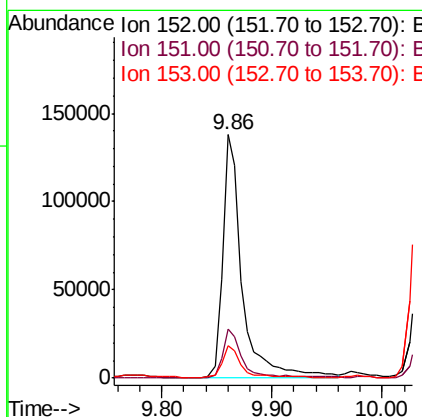
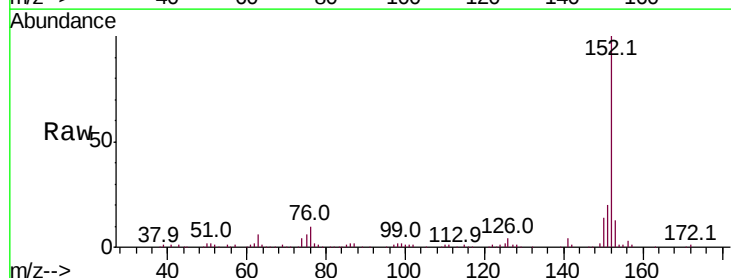
Manual Integrations
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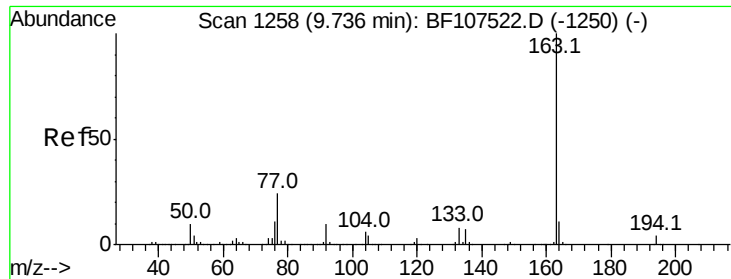
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#48
Acenaphthylene
Concen: 6.055 ng
RT: 9.86 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF107750.D
Acq: 27 Jul 2018 17:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.5	10.7	16.1





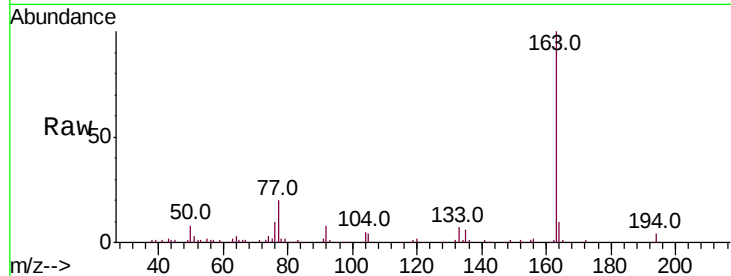
#49
Dimethylphthalate
Concen: 5.834 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107750.D
Acq: 27 Jul 2018 17:13

Instrument :
BNA_F
ClientSampled :
GW-03(3-5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	121478		
194	3.9		2.7	4.1
164	10.1		8.2	12.2

Manual Integrations
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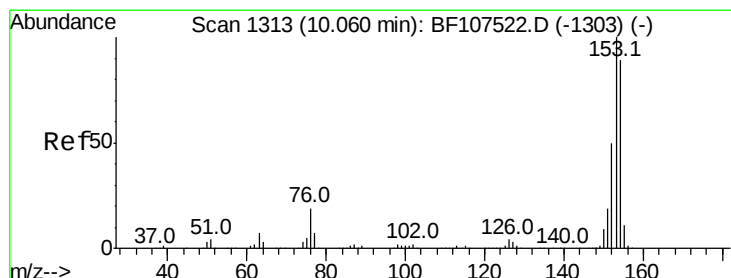
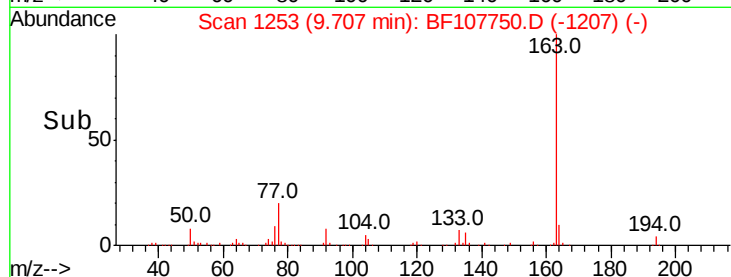
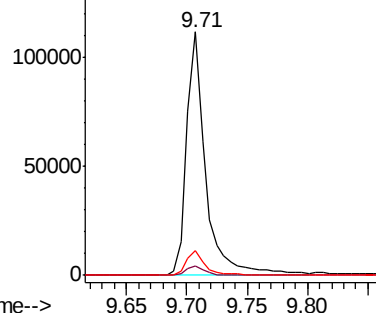


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 5.436 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.03 min
Lab File: BF107750.D
Acq: 27 Jul 2018 17:13

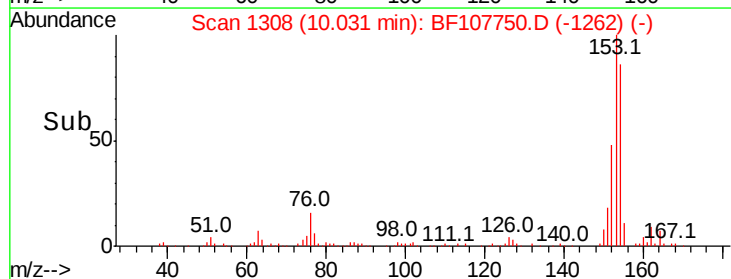
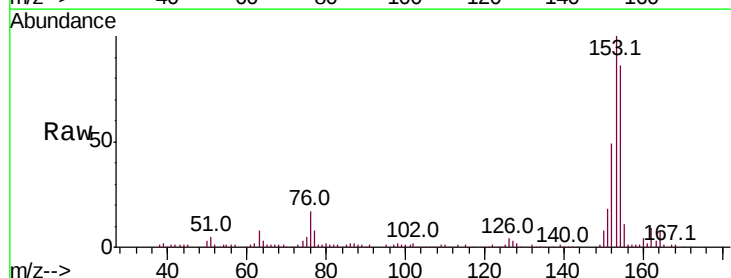
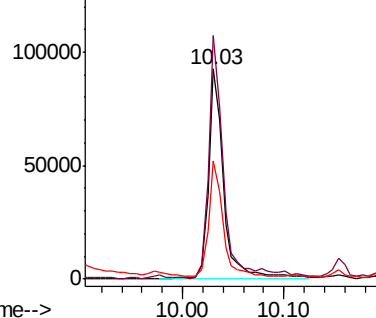
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	94116		
153	115.8		91.2	136.8
152	56.5		43.8	65.8

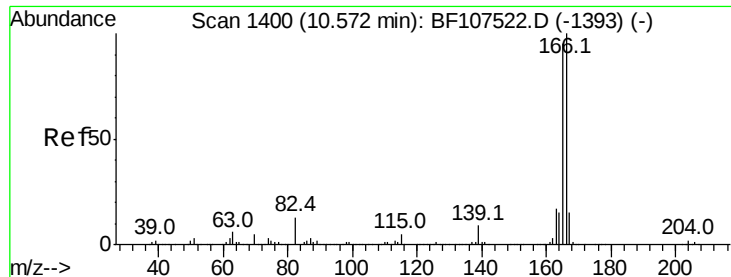
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 10.713 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.02 min

Lab File: BF107750.D

Acq: 27 Jul 2018 17:13

Instrument :

BNA_F

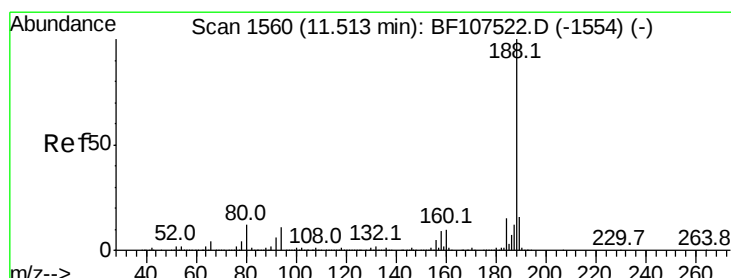
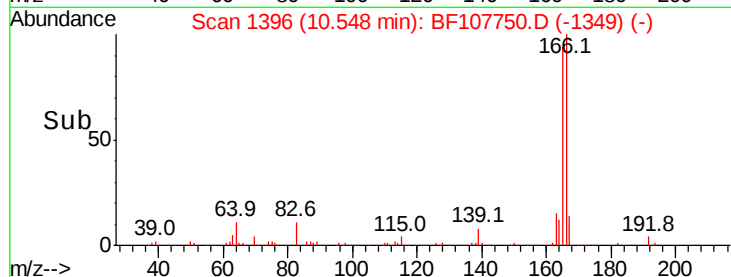
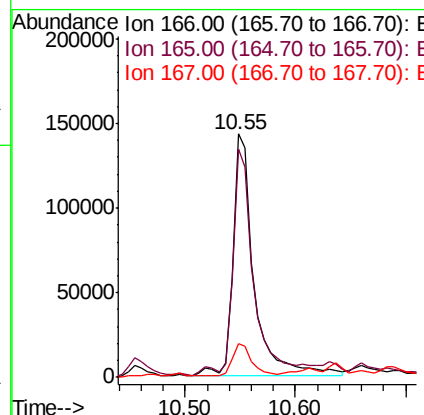
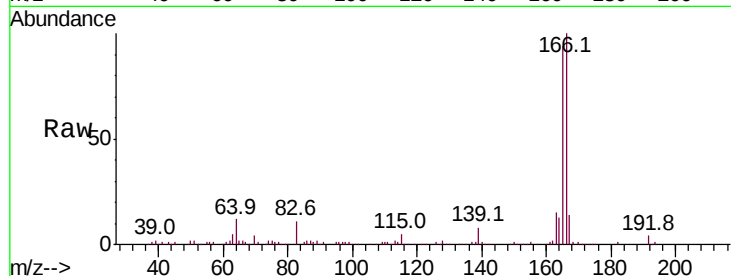
ClientSampleId :

GW-03(3-5)

Tot Ion:	166	Resp:	194821
Ion Ratio	Lower	Upper	
166	100		
165	94.0	79.8	119.8
167	14.0	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

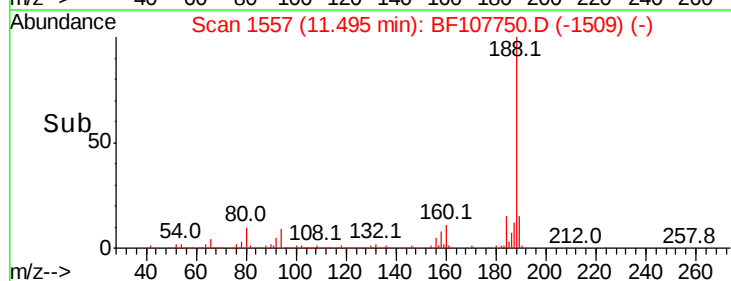
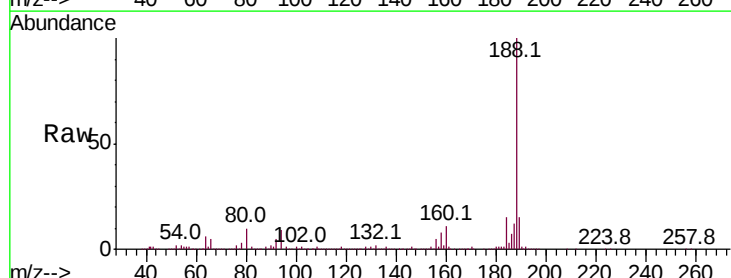
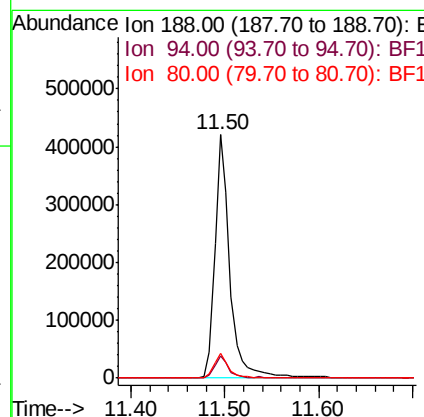
RT: 11.50 min Scan# 1557

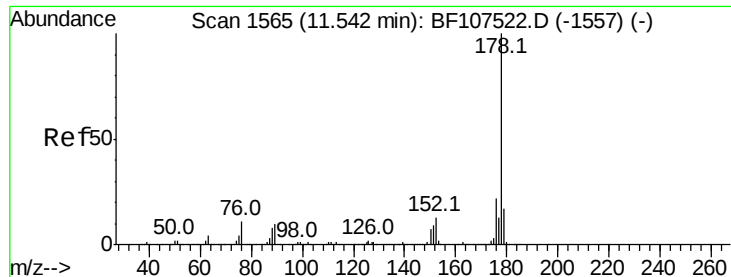
Delta R.T. -0.02 min

Lab File: BF107750.D

Acq: 27 Jul 2018 17:13

Tgt Ion:	188	Resp:	475569
Ion Ratio	Lower	Upper	
188	100		
94	9.1	8.5	12.7
80	10.3	9.2	13.8





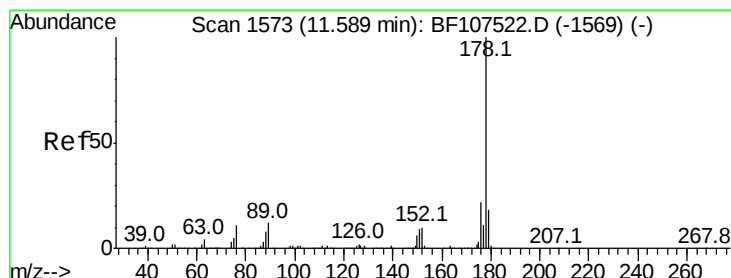
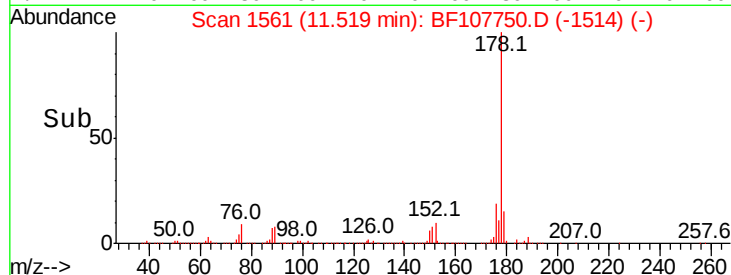
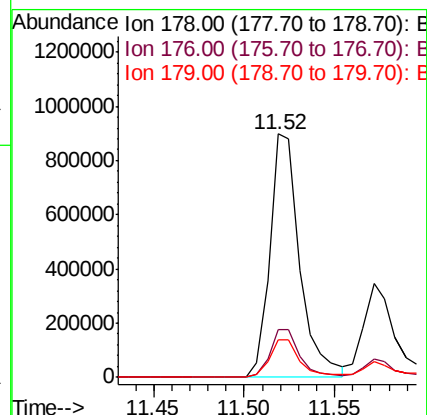
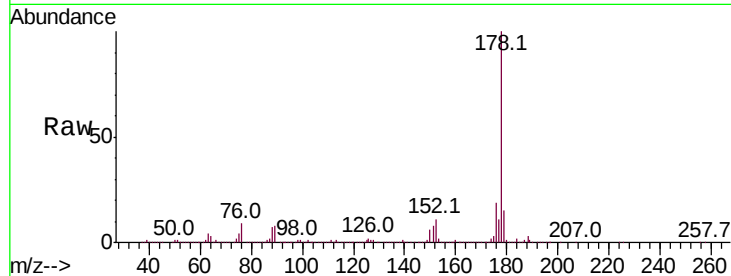
#70
Phenanthrene
Concen: 44.406 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF107750.D
Acq: 27 Jul 2018 17:13

Instrument :
BNA_F
ClientSampleId :
GW-03(3-5)

Tot Ion:178 Resp: 1029085
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.4 13.0 19.6

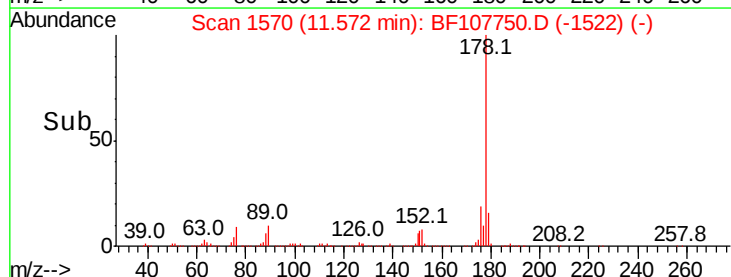
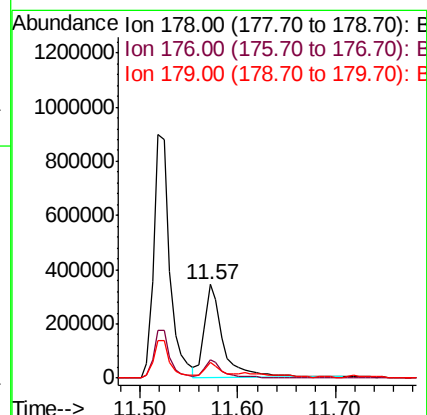
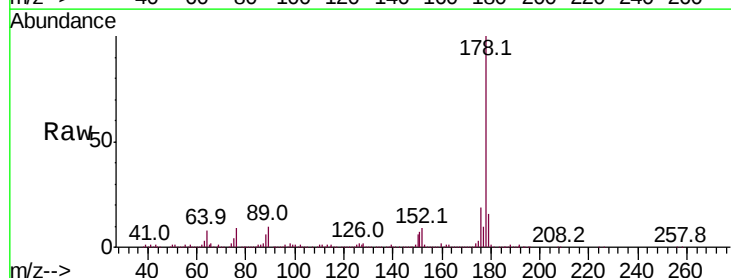
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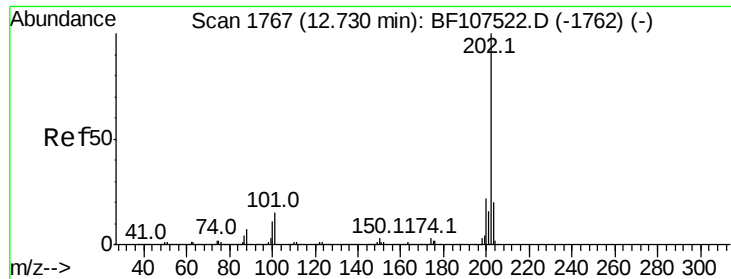
Sohil
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#71
Anthracene
Concen: 19.730 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF107750.D
Acq: 27 Jul 2018 17:13

Tgt Ion:178 Resp: 460356
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 16.2 12.6 19.0





#74

Fluoranthene

Concen: 65.983 ng

RT: 12.73 min Scan# 1767

Delta R.T. 0.00 min

Lab File: BF107750.D

Acq: 27 Jul 2018 17:13

Instrument :

BNA_F

ClientSampleId :

GW-03(3-5)

Tot Ion:202 Resp: 1640869

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.1

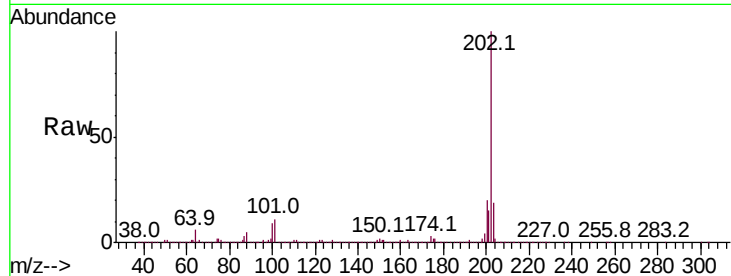
203 18.7 0.0 38.1

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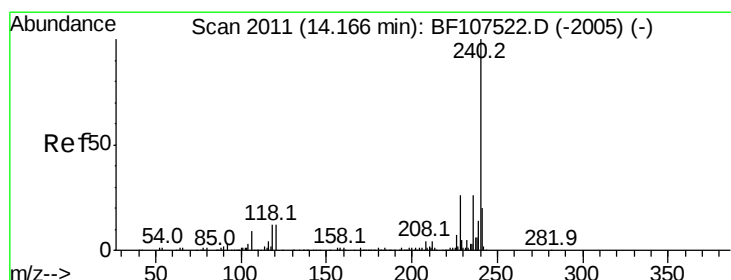
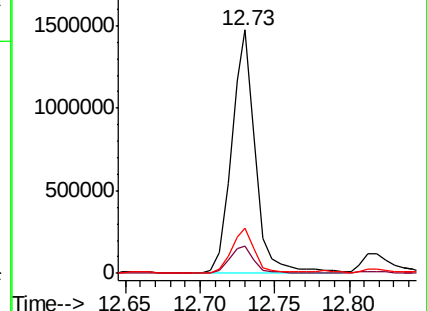
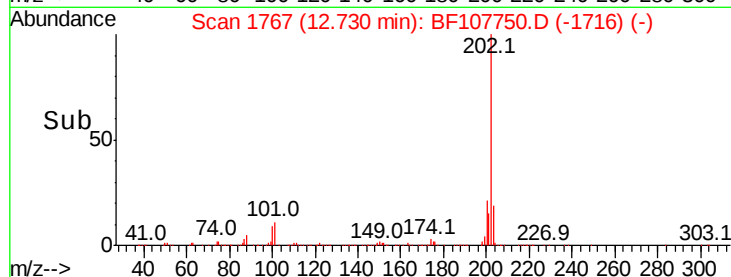
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107750.D

Acq: 27 Jul 2018 17:13

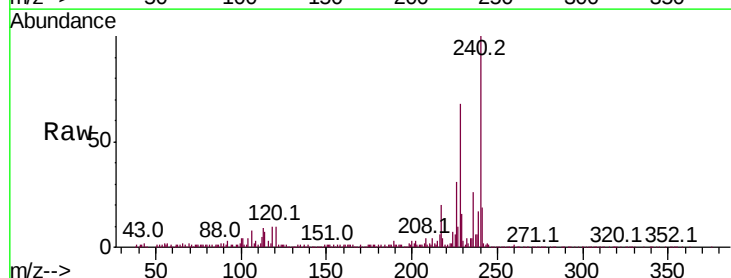
Tgt Ion:240 Resp: 388645

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

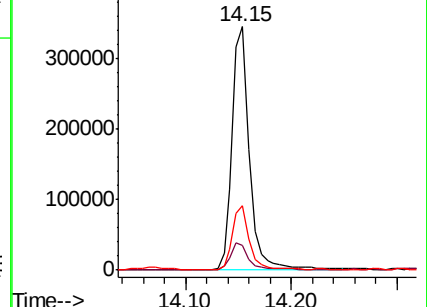
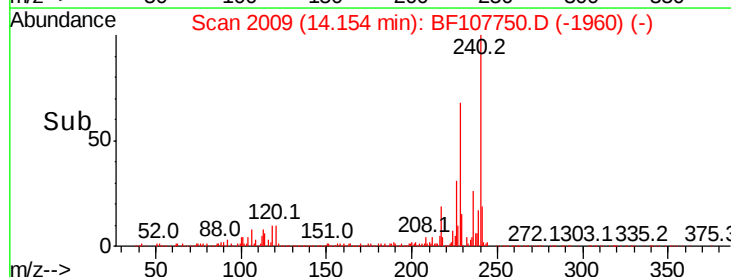
236 26.2 20.7 31.1

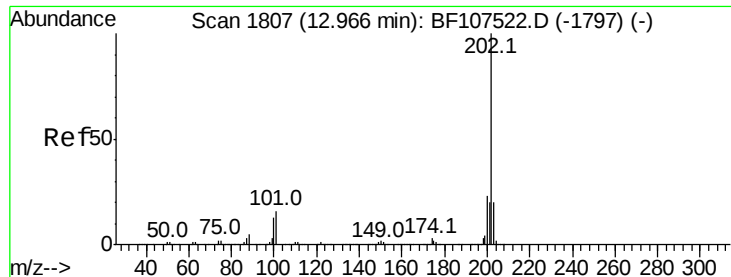


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 60.552 ng

RT: 12.95 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF107750.D

Acq: 27 Jul 2018 17:13

Instrument :

BNA_F

ClientSampleId :

GW-03(3-5)

Tot Ion:202 Resp: 1609698

Ion Ratio Lower Upper

202 100

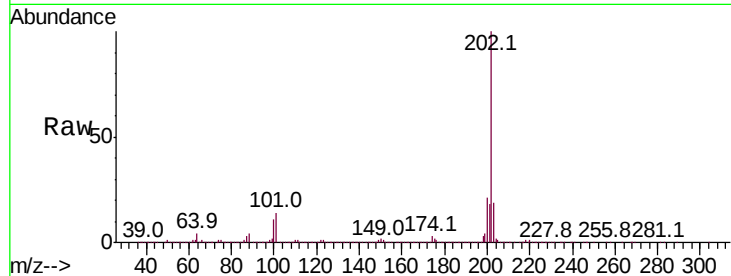
200 21.1 17.4 26.2

203 19.3 14.3 21.5

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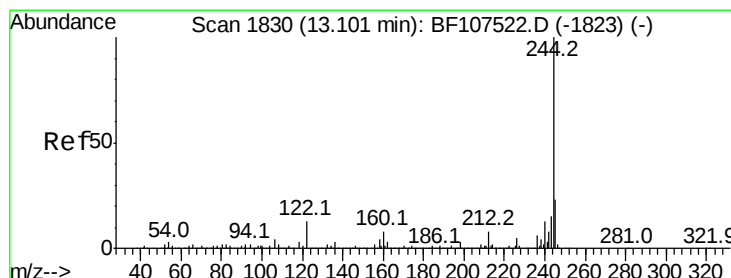
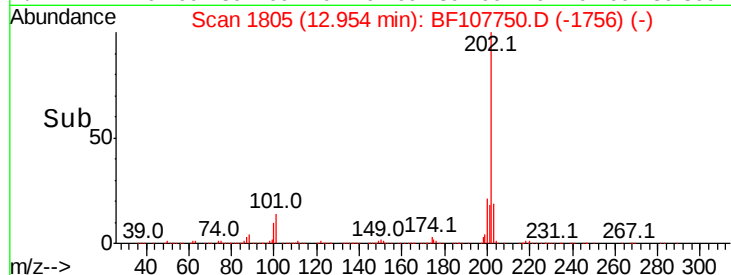
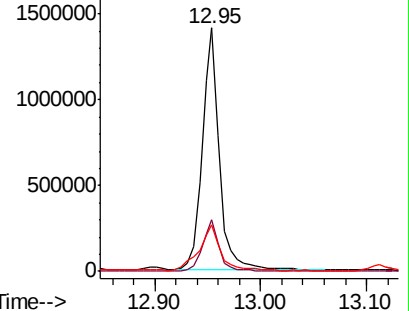
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 74.351 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107750.D

Acq: 27 Jul 2018 17:13

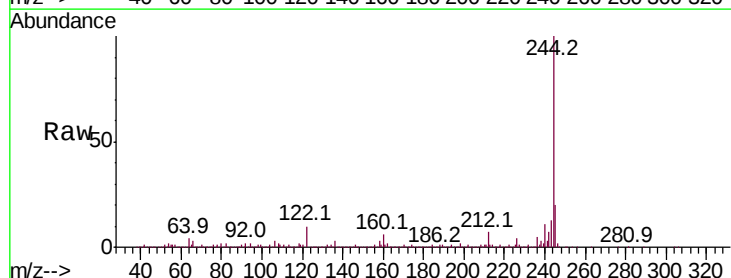
Tgt Ion:244 Resp: 1128709

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

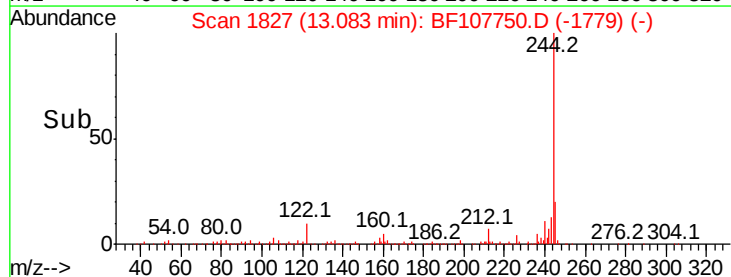
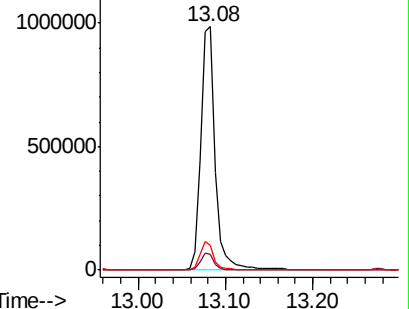
122 10.0 11.0 16.4#

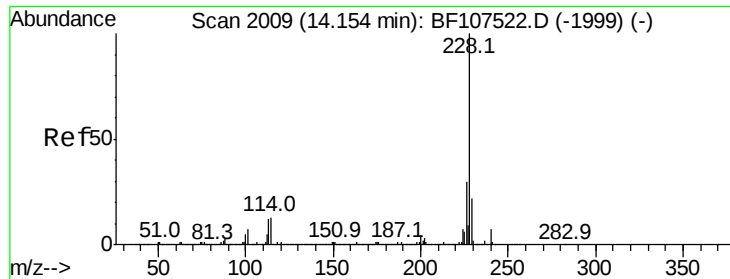


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





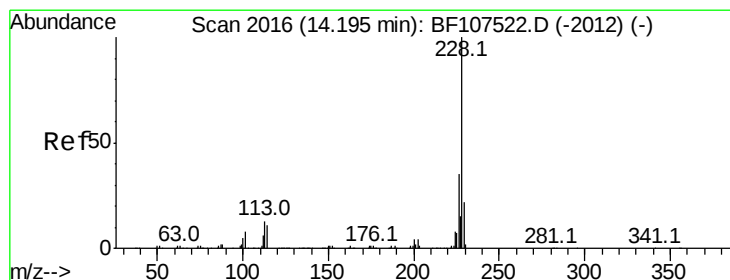
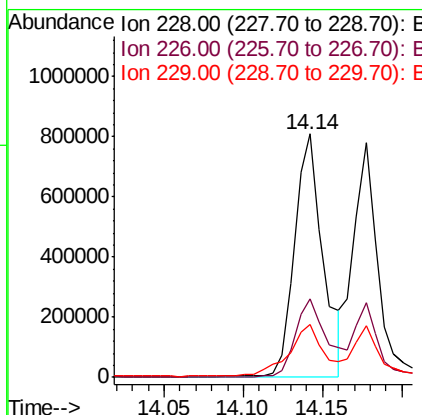
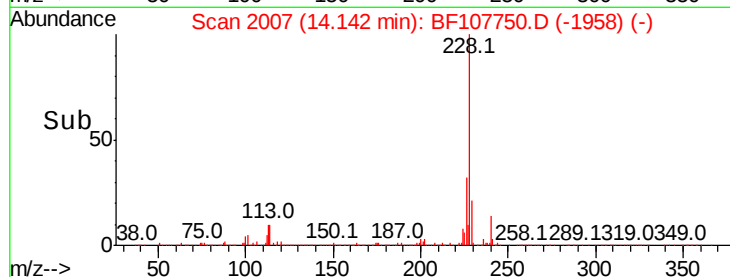
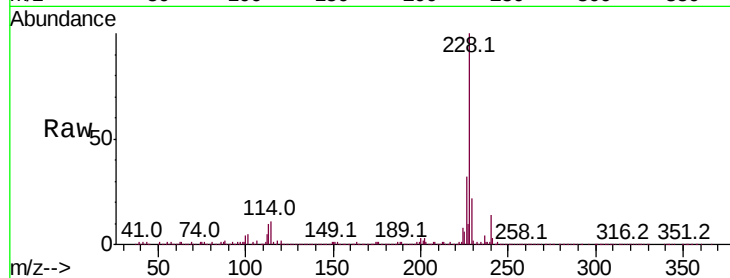
#80
Benzo(a)anthracene
Concen: 44.189 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF107750.D
Acq: 27 Jul 2018 17:13

Instrument :
BNA_F
ClientSampleId :
GW-03(3-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.6	33.8
229	21.6	15.8	23.6

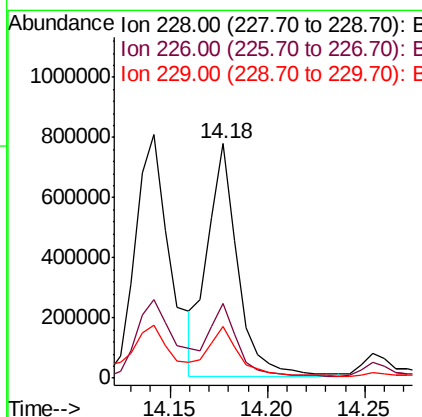
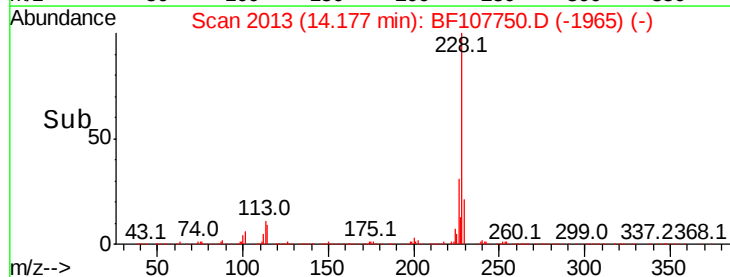
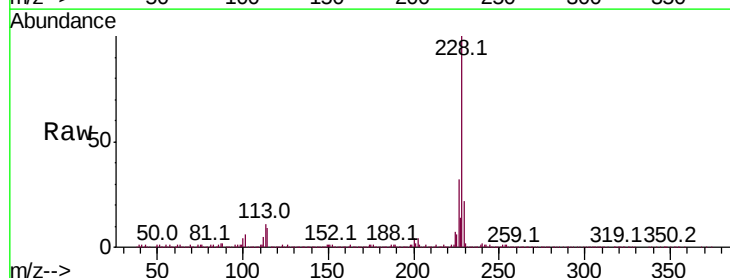
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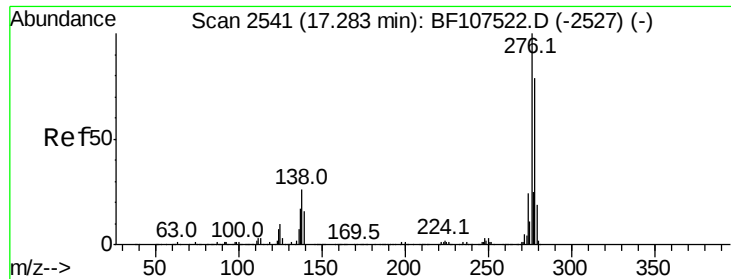
Sohil
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#82
Chrysene
Concen: 38.165 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107750.D
Acq: 27 Jul 2018 17:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	22.1	16.2	24.4





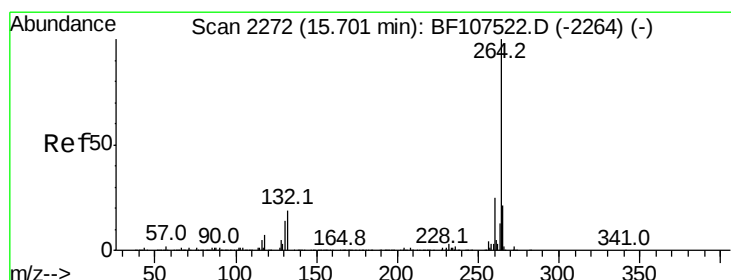
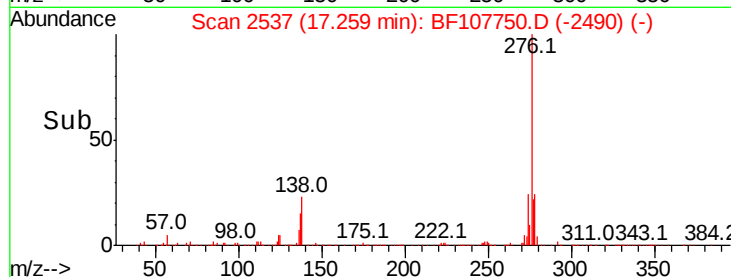
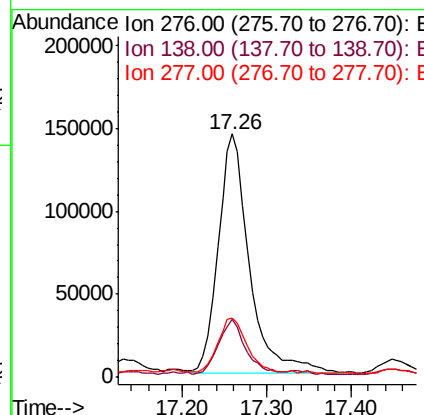
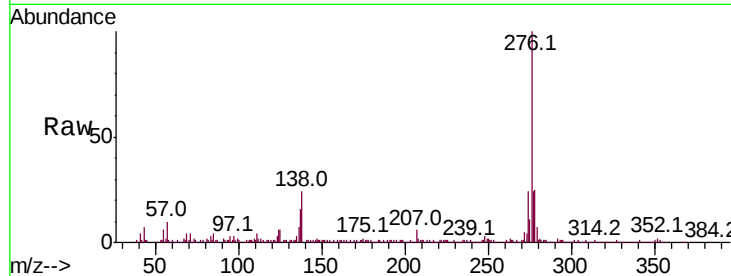
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 19.810 ng
 RT: 17.26 min Scan# 2537
 Delta R.T. -0.02 min
 Lab File: BF107750.D
 Acq: 27 Jul 2018 17:13

Instrument :
 BNA_F
 ClientSampleId :
 GW-03(3-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	25.0	37.6#
277	21.2	20.1	30.1

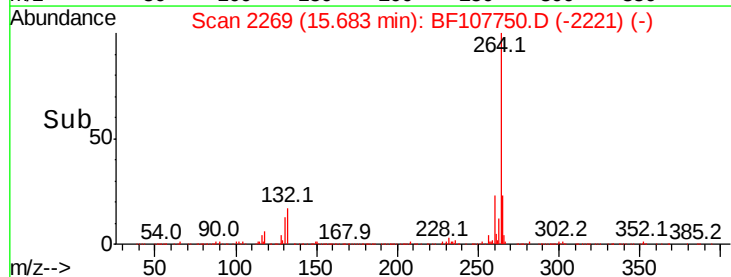
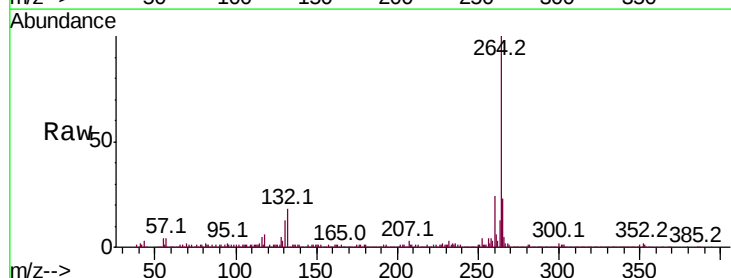
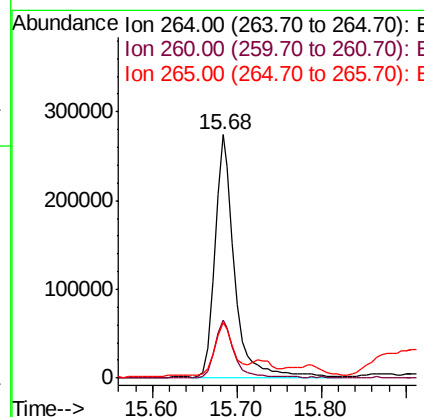
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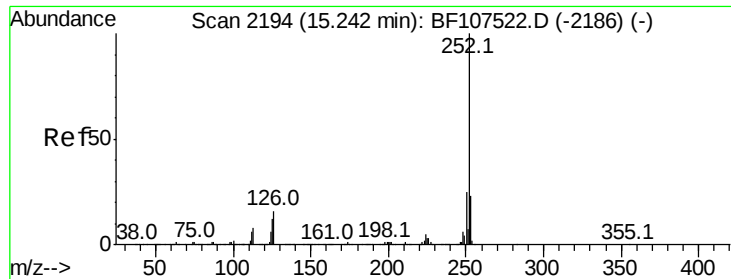
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2269
 Delta R.T. -0.02 min
 Lab File: BF107750.D
 Acq: 27 Jul 2018 17:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.0	17.5	26.3





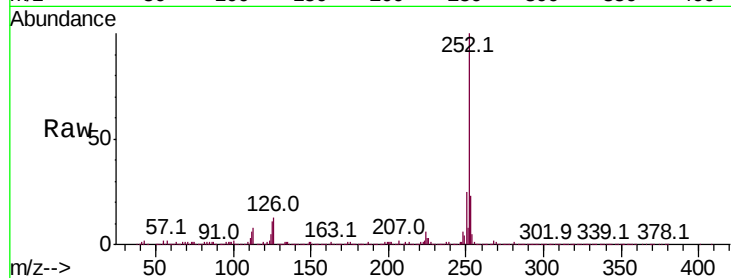
#87
Benzo(b)fluoranthene
Concen: 41.773 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF107750.D
Acq: 27 Jul 2018 17:13

Instrument :
BNA_F
ClientSampleId :
GW-03(3-5)

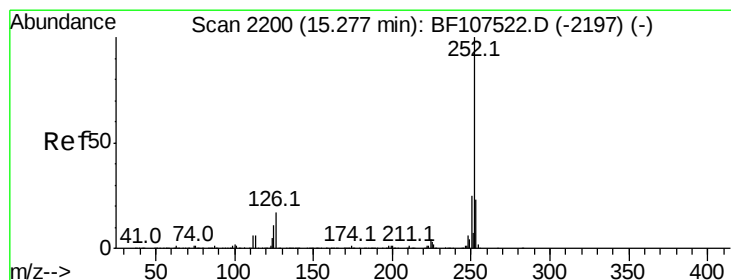
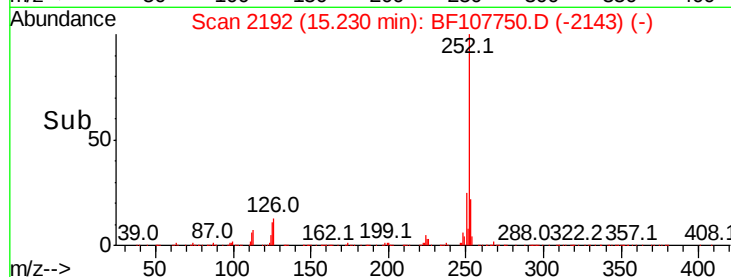
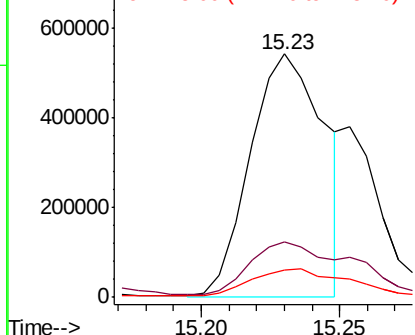
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	11.2	9.0	13.6

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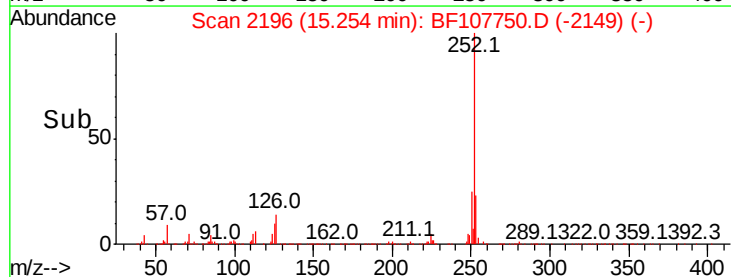
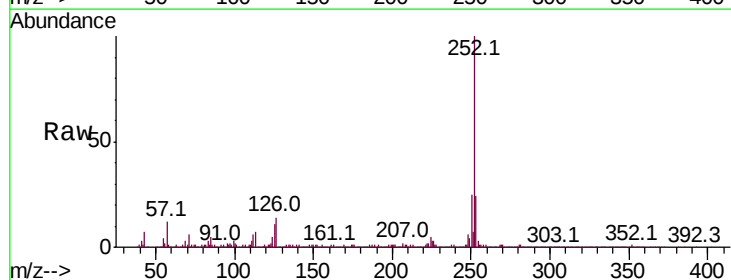
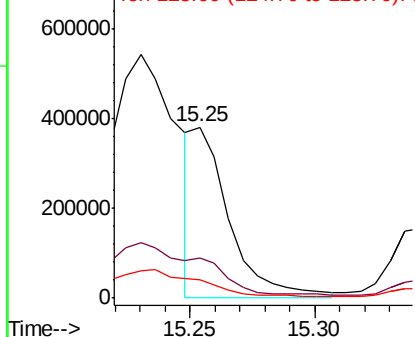
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

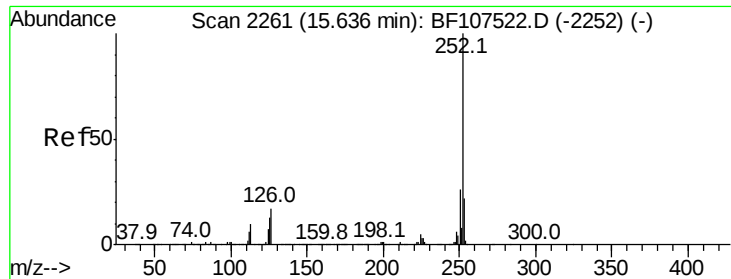


#88
Benzo(k)fluoranthene
Concen: 16.530 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF107750.D
Acq: 27 Jul 2018 17:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	11.1	10.2	15.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





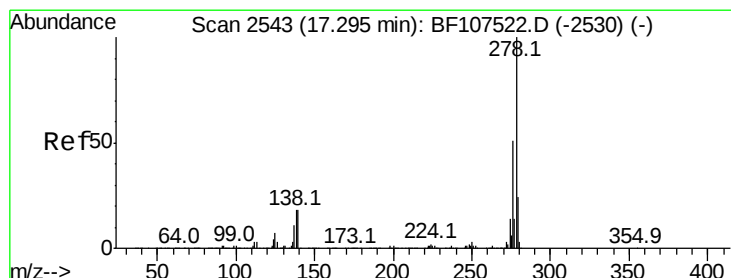
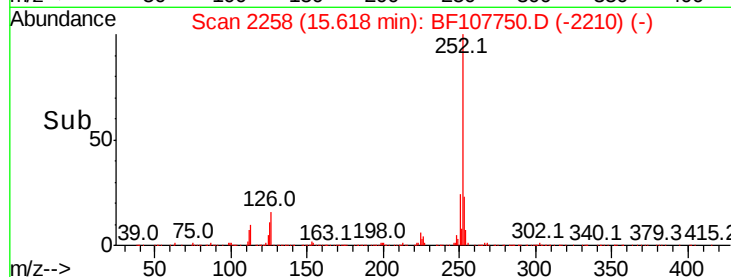
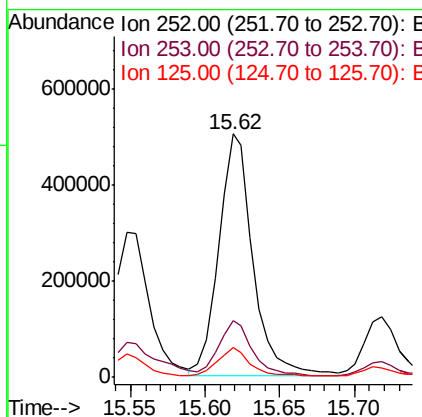
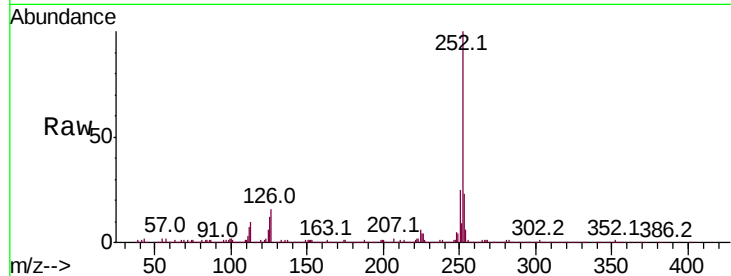
#89
Benzo(a)pyrene
Concen: 36.279 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.02 min
Lab File: BF107750.D
Acq: 27 Jul 2018 17:13

Instrument :
BNA_F
ClientSampleId :
GW-03(3-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	12.2	9.8	14.6

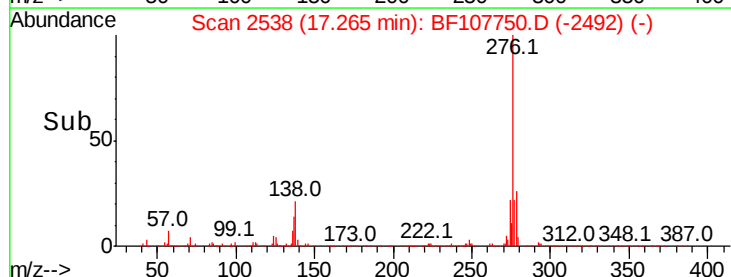
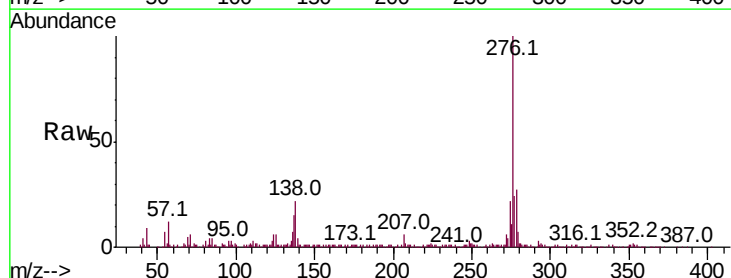
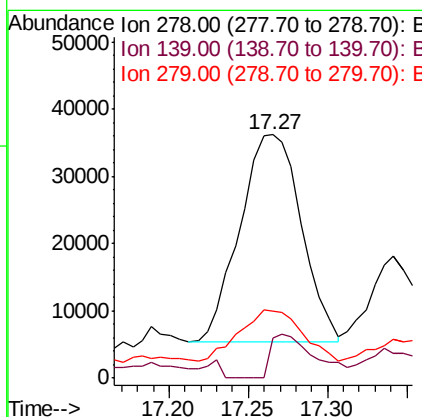
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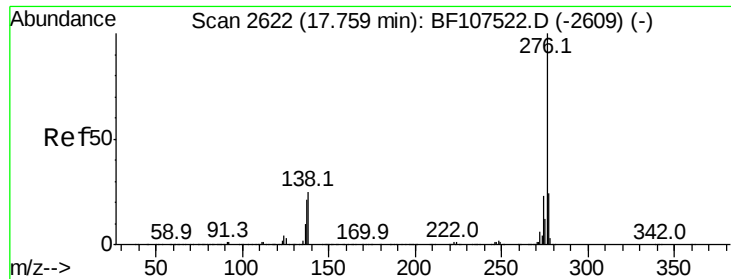
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#90
Dibenzo(a,h)anthracene
Concen: 4.338 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.03 min
Lab File: BF107750.D
Acq: 27 Jul 2018 17:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.7	15.9	23.9
279	27.3	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 17.146 ng
 RT: 17.74 min Scan# 2619
 Delta R.T. -0.02 min
 Lab File: BF107750.D
 Acq: 27 Jul 2018 17:13

Instrument :
 BNA_F
 ClientSampleId :
 GW-03(3-5)

Tot Ion:	276	Resp:	323555
Ion Ratio	Lower	Upper	
276	100		
277	23.1	17.9	26.9
138	20.7	21.8	32.8#

Manual Integrations
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