

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
 Data File : BF107779.D
 Acq On : 28 Jul 2018 6:57
 Operator : JU/SJ
 Sample : J4184-03
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-6B

Manual Integrations
 APPROVED

Sohil
 7/30/2018 2:03:46 PM

Quant Time: Jul 30 02:36:44 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	127301	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	529146	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	195762	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	373449	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	437702	20.00	ng	-0.02
86) Perylene-d12	15.68	264	350738	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	17313m	2.19	ng	0.05
7) Phenol-d6	6.64	99	21211m	2.23	ng	0.02
23) Nitrobenzene-d5	7.54	82	28510	3.64	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	10390	4.67	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	73227	0.93	ng	-0.02
78) Terphenyl-d14	13.08	244	83418	4.88	ng	-0.02
Target Compounds						
31) Naphthalene	8.27	128	322942	13.879	ng	Qvalue 98
37) 2-Methylnaphthalene	8.95	142	119933	7.438	ng	96
45) 1,1'-Biphenyl	9.42	154	47547	2.788	ng	97
48) Acenaphthylene	9.86	152	345332	17.636	ng	98
49) Dimethylphthalate	9.71	163	252960	17.145	ng	# 99
51) Acenaphthene	10.03	154	40725	3.319	ng	96
57) Fluorene	10.55	166	86306	6.698	ng	# 95
70) Phenanthrene	11.52	178	405050	22.258	ng	99
71) Anthracene	11.58	178	127064	6.935	ng	98
74) Fluoranthene	12.71	202	235020	12.035	ng	97
77) Pyrene	12.95	202	331604	11.076	ng	97
80) Benzo(a)anthracene	14.14	228	69452m	2.708	ng	
82) Chrysene	14.18	228	57733	2.343	ng	98
89) Benzo(a)pyrene	15.61	252	38794	2.209	ng	96

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

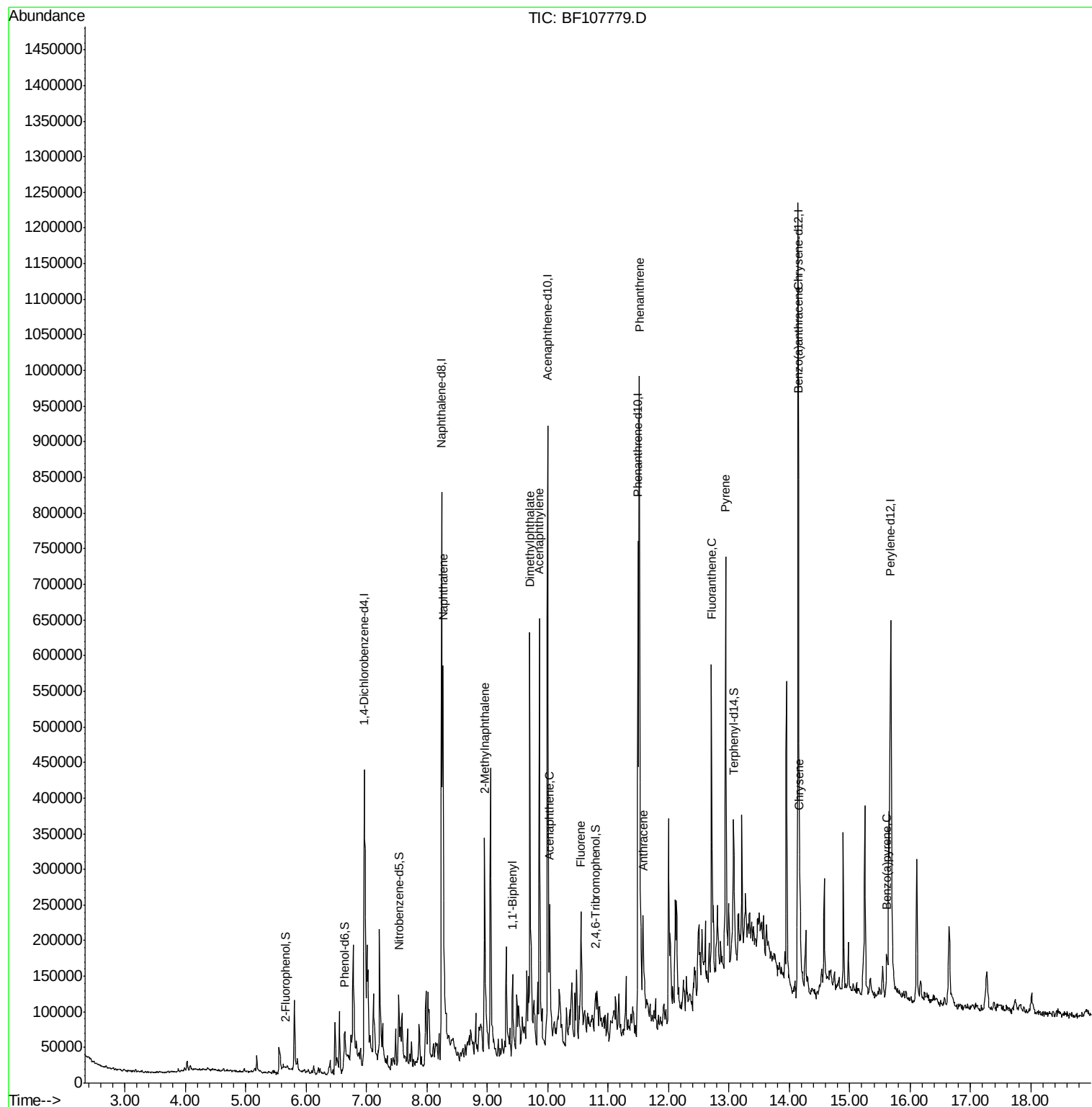
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
Data File : BF107779.D
Acq On : 28 Jul 2018 6:57
Operator : JU/SJ
Sample : J4184-03
Misc :
ALS Vial : 36 Sample Multiplier: 1

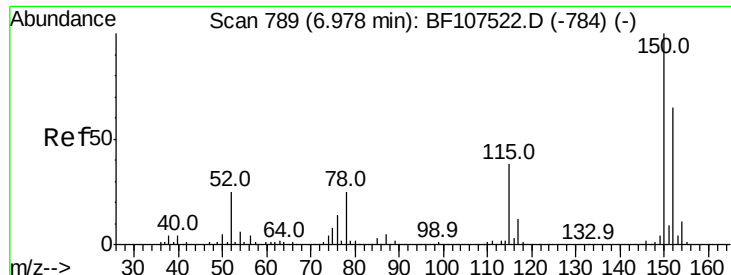
Instrument :
BNA_F
ClientSampleId :
MW-6B

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
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#1

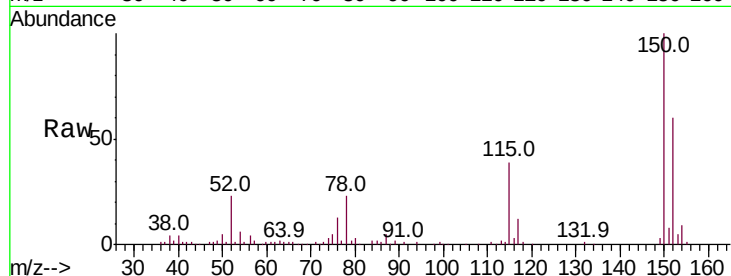
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Instrument :
BNA_F
ClientSampleId :
MW-6B

Tot Ion	Ratio	Lower	Upper
152	100		
150	166.0	124.6	186.8
115	64.4	50.1	75.1

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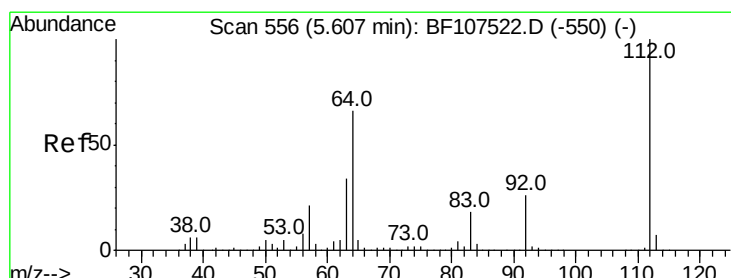
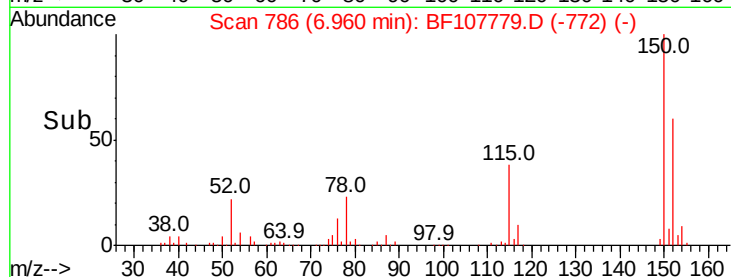
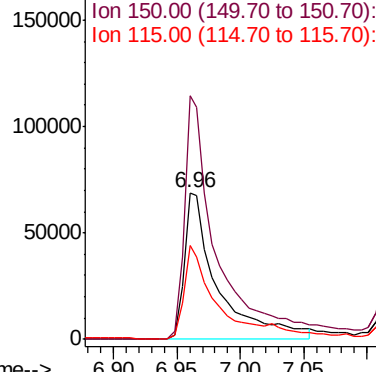


Abundance

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: 2.187 ng m
RT: 5.66 min Scan# 565
Delta R.T. 0.05 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

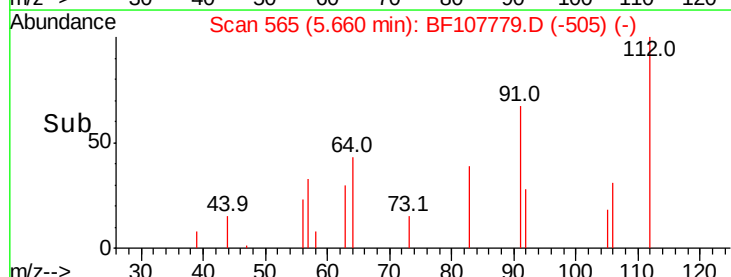
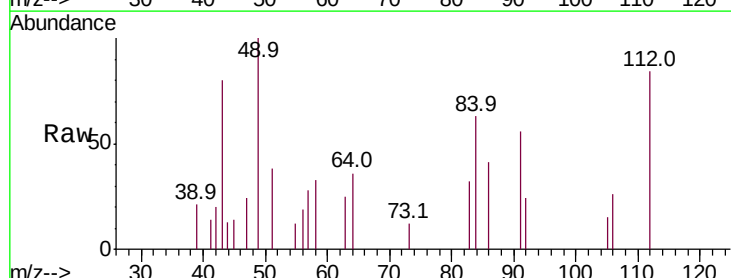
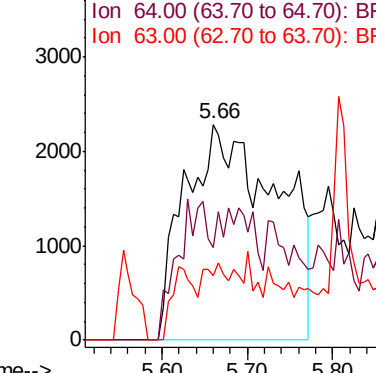
Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.7	47.9	71.9#
63	30.0	23.7	35.5

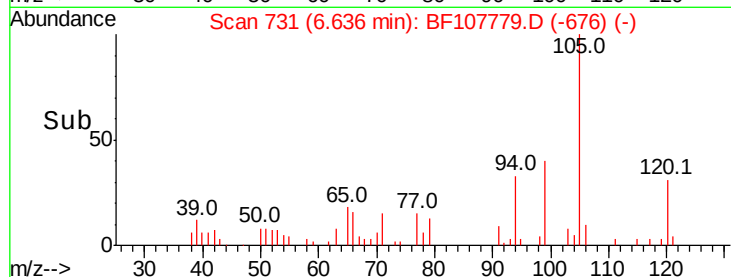
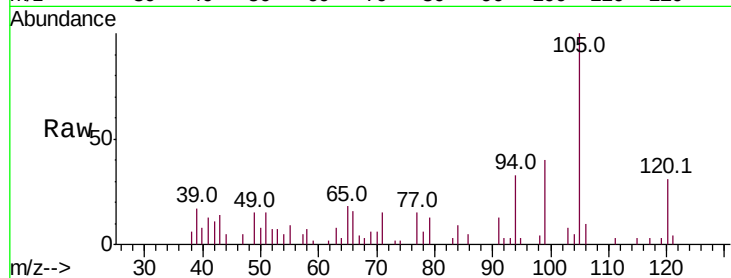
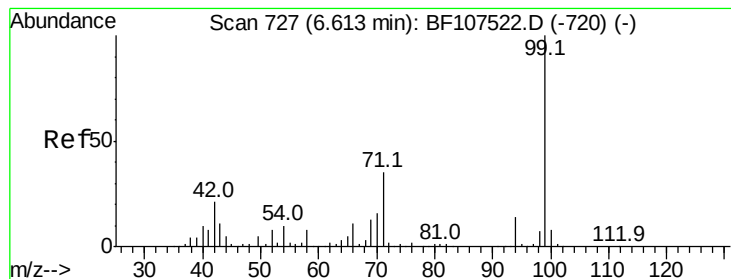
Abundance

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

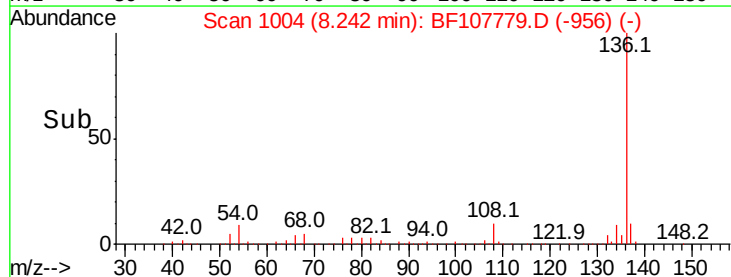
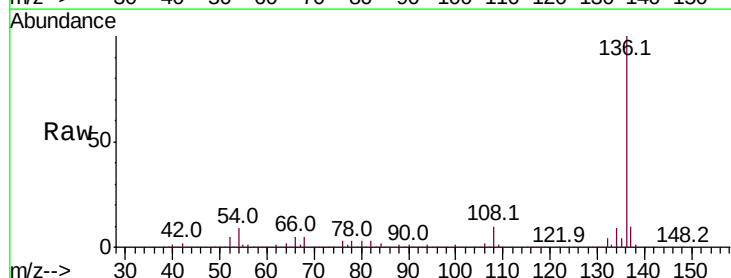
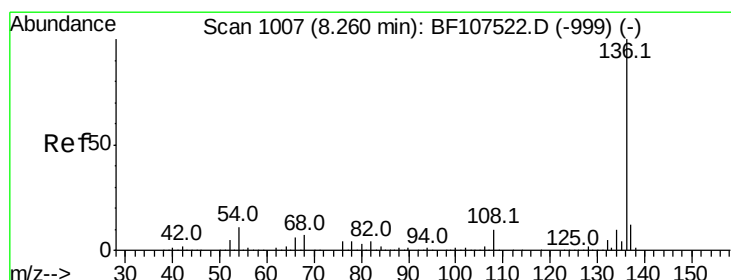
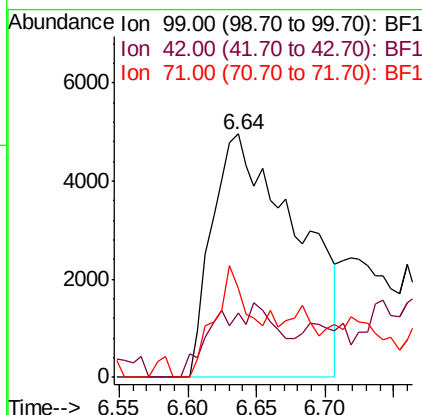
Concen: 2.231 ng/ml
 RT: 6.64 min Scan# 731
 Delta R.T. 0.02 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		21211		
42	26.2	14.5	21.7#		
71	36.3	25.4	38.0		

Instrument :
 BNA_F
 ClientSampleId :
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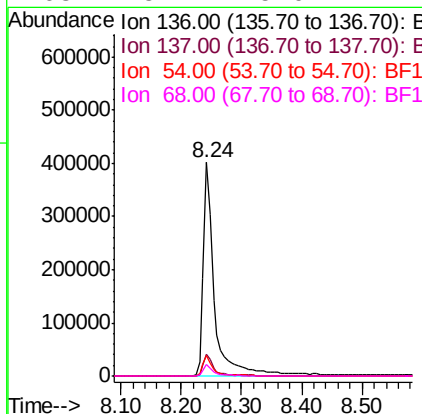


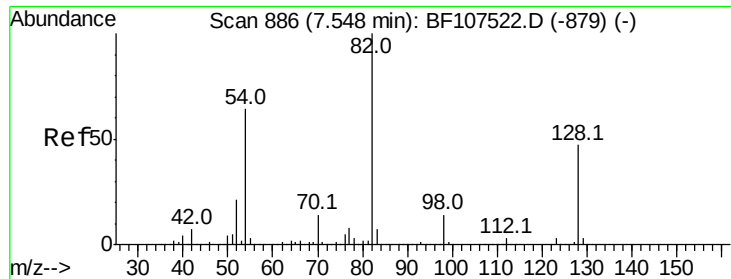
#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 8.24 min Scan# 1004
 Delta R.T. -0.02 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		529146		
137	10.4	8.9	13.3		
54	9.4	6.6	9.8		
68	5.4	5.0	7.4		





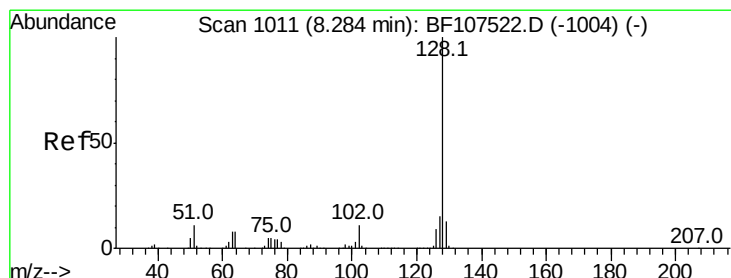
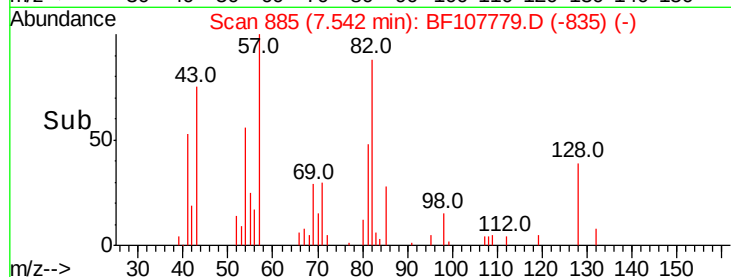
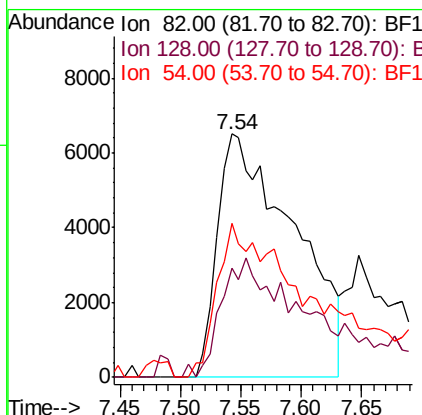
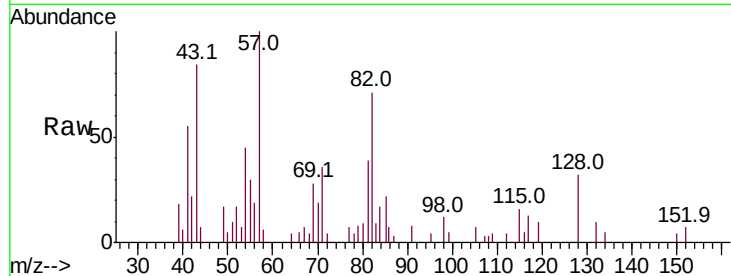
#23
 Nitrobenzene-d5
 Concen: 3.636 ng
 RT: 7.54 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

Instrument :
 BNA_F
 ClientSampled :
 MW-6B

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.1	54.1
54	63.1	41.4	62.2

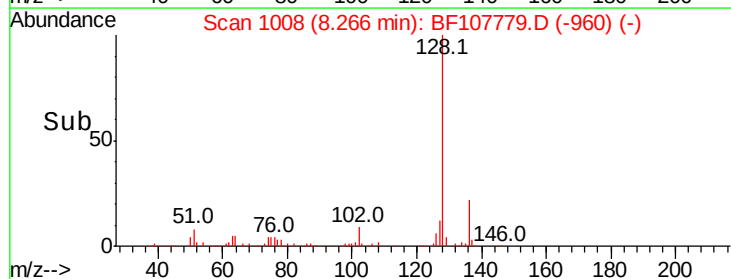
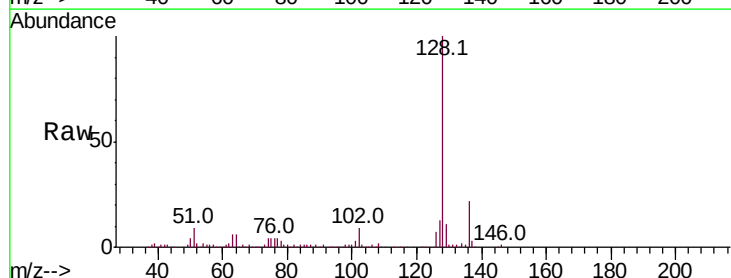
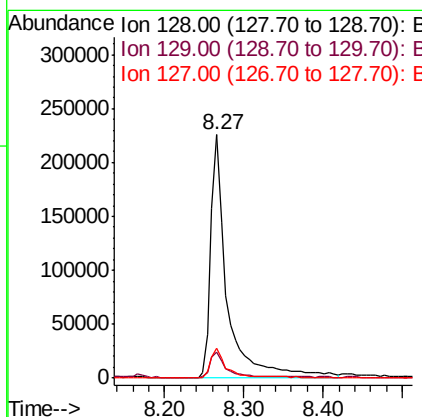
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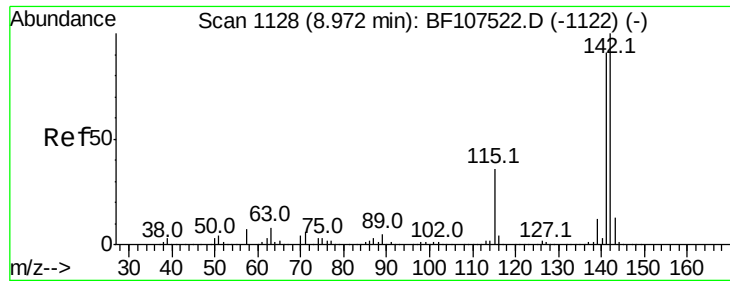
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#31
 Naphthalene
 Concen: 13.879 ng
 RT: 8.27 min Scan# 1008
 Delta R.T. -0.02 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	12.5	10.9	16.3





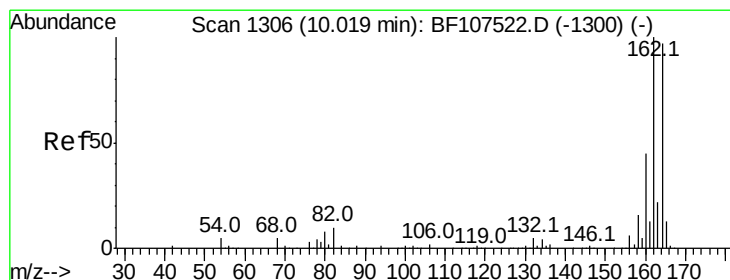
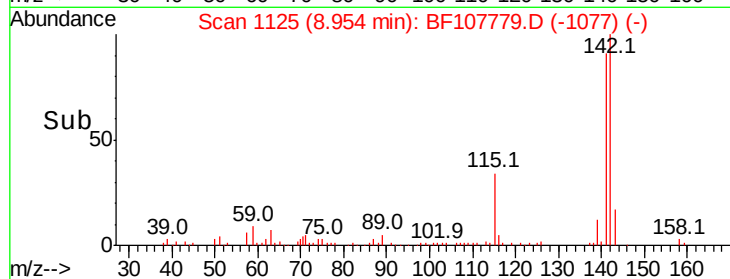
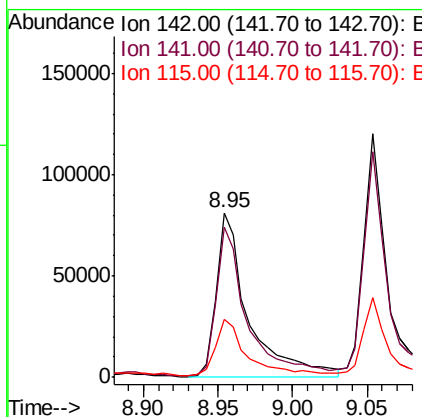
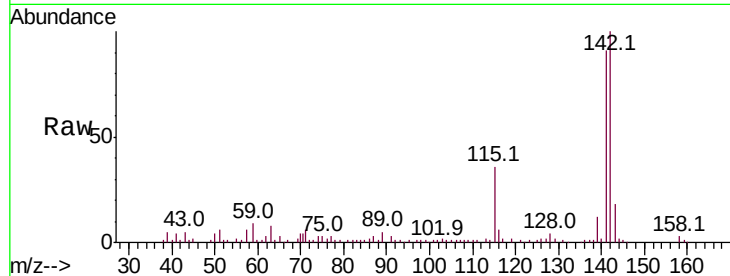
#37
2-Methylnaphthalene
Concen: 7.438 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Instrument :
BNA_F
ClientSampleId :
MW-6B

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.2	70.8	106.2
115	35.6	26.1	39.1

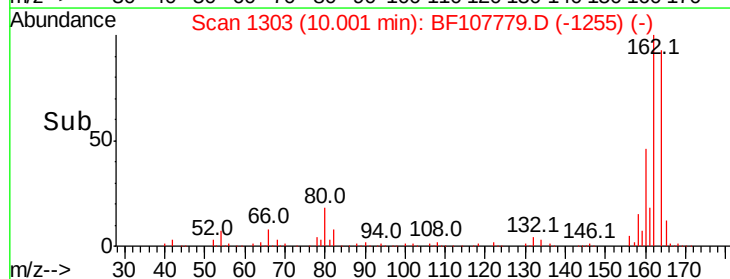
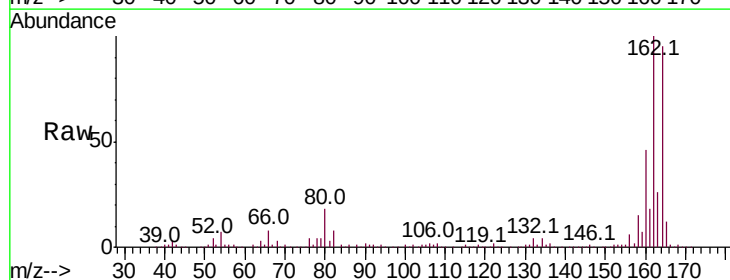
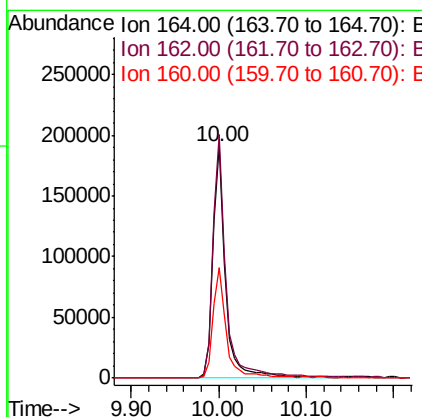
Manual Integrations
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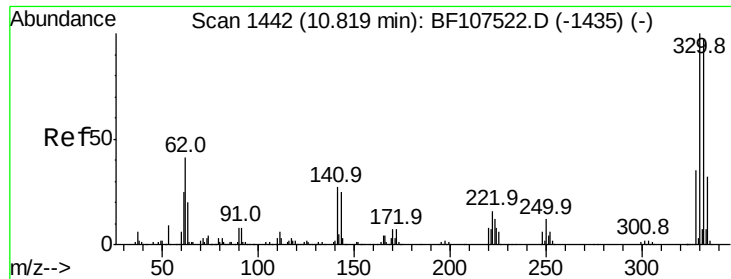
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	86.1	129.1
160	47.8	38.3	57.5





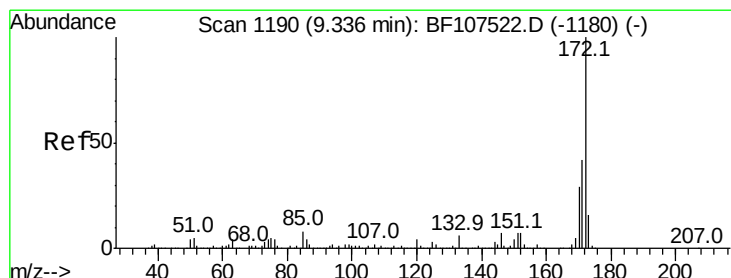
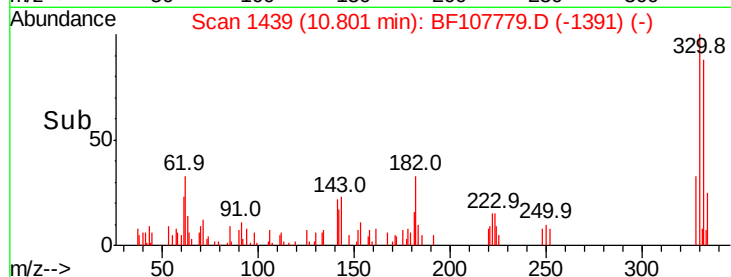
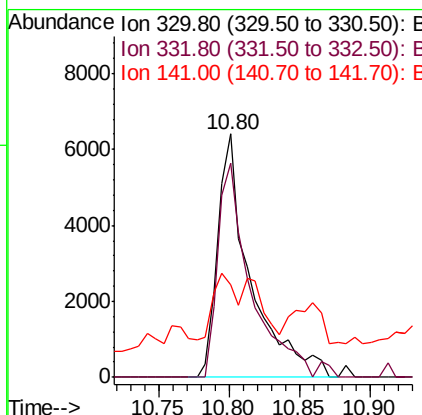
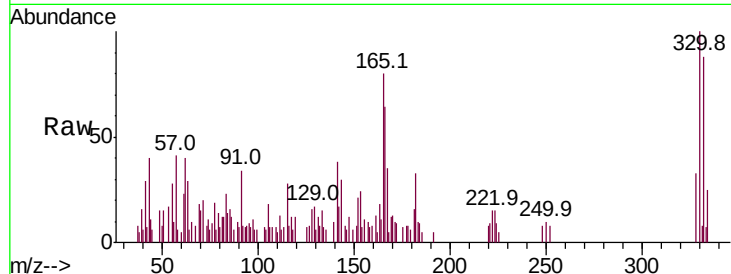
#41
 2,4,6-Tribromophenol
 Concen: 4.667 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

Instrument :
 BNA_F
 ClientSampled :
 MW-6B

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	88.1	77.0	115.6	
141	18.2	29.9	44.9	

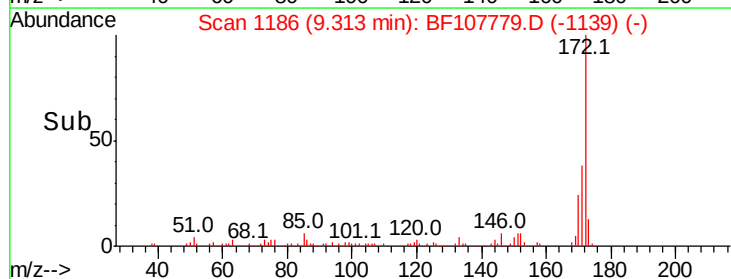
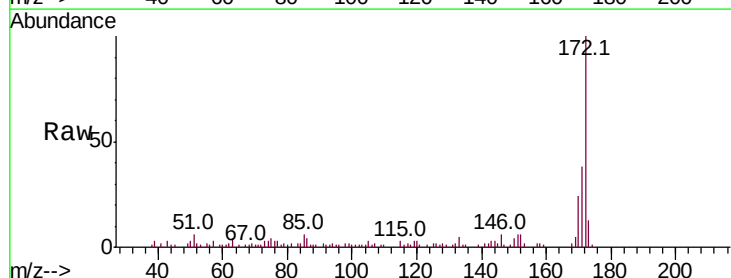
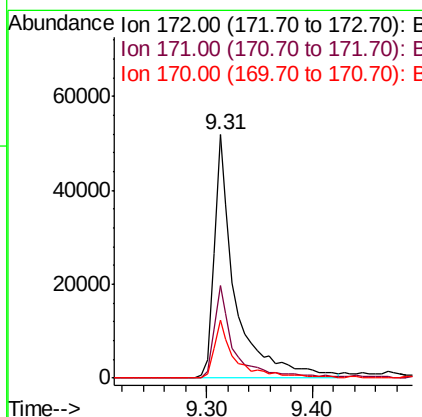
Manual Integrations
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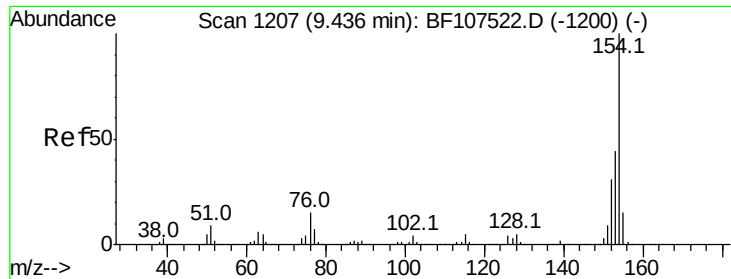
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#44
 2-Fluorobiphenyl
 Concen: 0.928 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	38.1	29.7	44.5	
170	23.7	19.6	29.4	





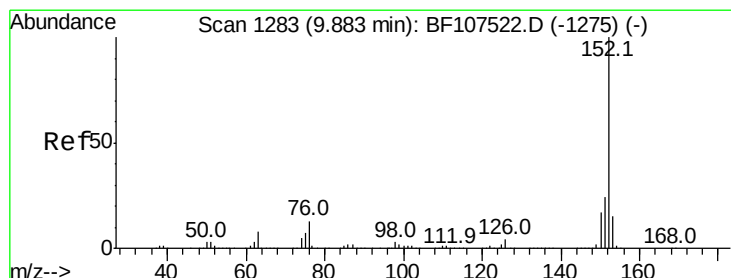
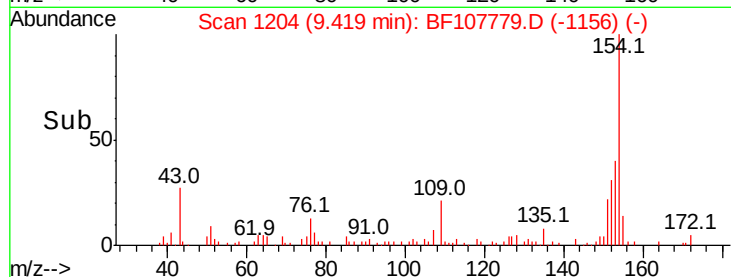
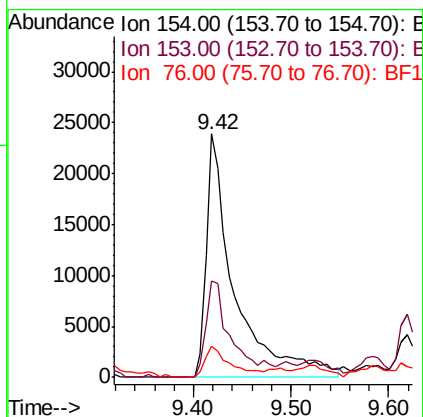
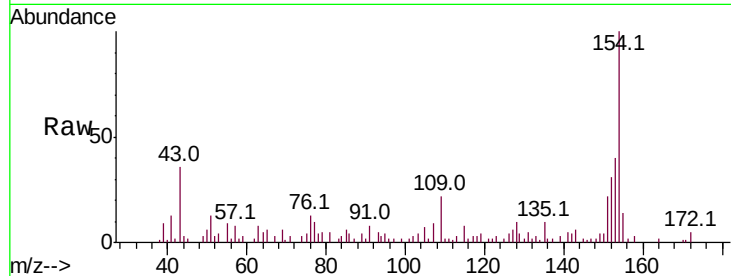
#45
 1,1'-Biphenyl
 Concen: 2.788 ng
 RT: 9.42 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

Instrument :
 BNA_F
 ClientSampled :
 MW-6B

Tot Ion	Ratio	Resp	Lower	Upper
154	100	47547		
153	39.7	21.3	61.3	
76	12.7	0.0	34.0	

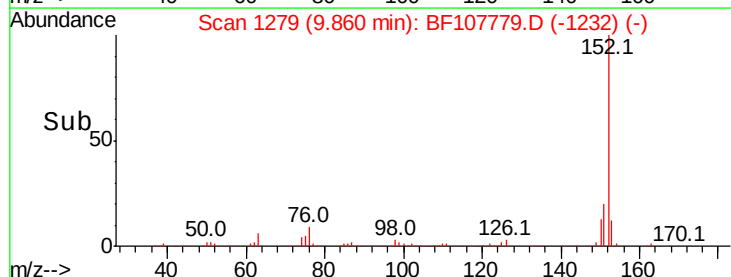
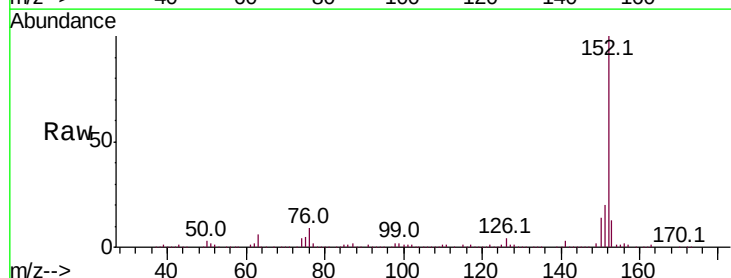
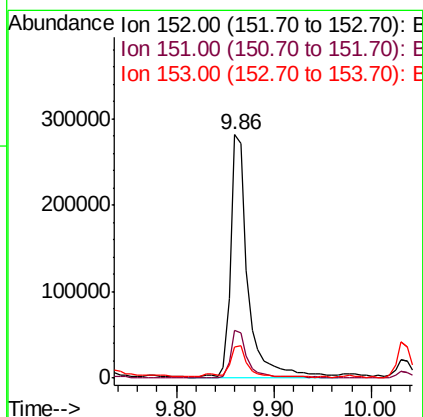
Manual Integrations
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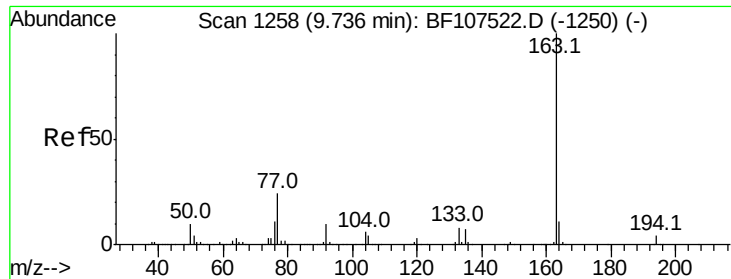
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#48
 Acenaphthylene
 Concen: 17.636 ng
 RT: 9.86 min Scan# 1279
 Delta R.T. -0.02 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	345332		
151	19.8	16.3	24.5	
153	12.6	10.7	16.1	





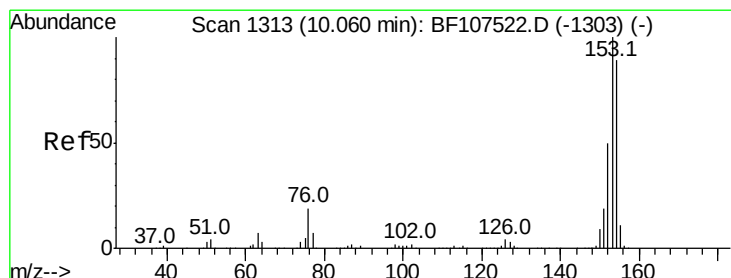
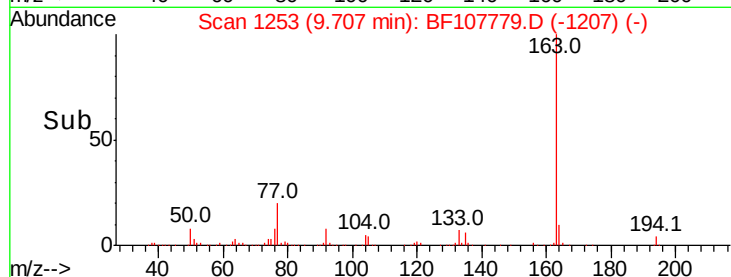
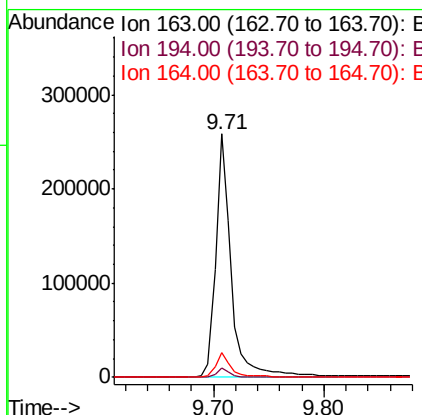
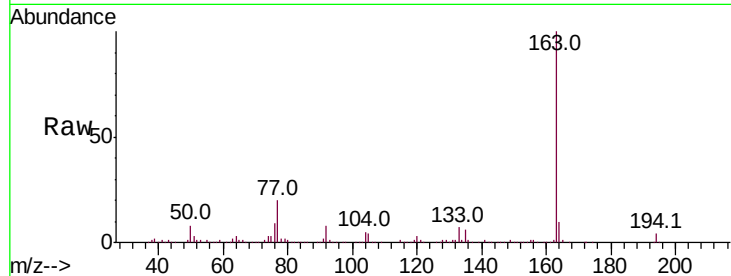
#49
 Dimethylphthalate
 Concen: 17.145 ng
 RT: 9.71 min Scan# 1253
 Delta R.T. -0.03 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

Instrument :
 BNA_F
 ClientSampleId :
 MW-6B

Tot Ion:	163	Resp:	252960
Ion Ratio	Lower	Upper	
163	100		
194	4.1	2.7	4.1#
164	10.4	8.2	12.2

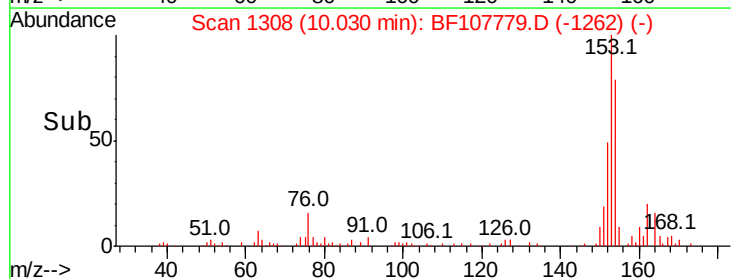
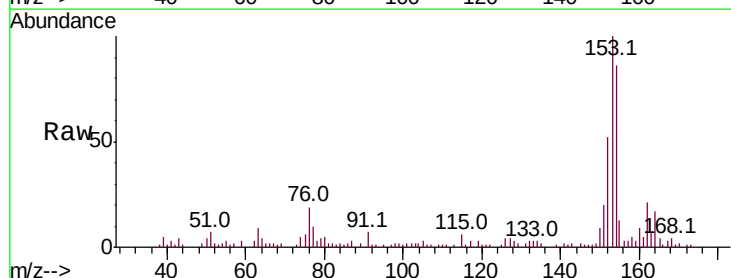
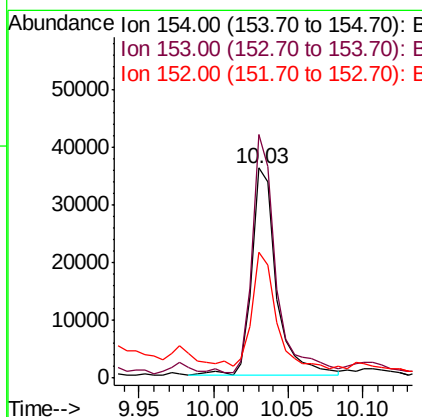
Manual Integrations
 APPROVED

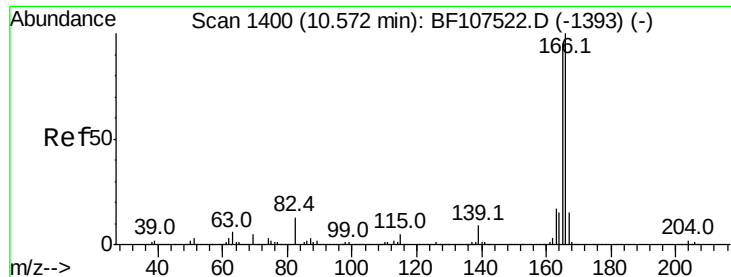
Sohil
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#51
 Acenaphthene
 Concen: 3.319 ng
 RT: 10.03 min Scan# 1308
 Delta R.T. -0.03 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

Tgt Ion:	154	Resp:	40725
Ion Ratio	Lower	Upper	
154	100		
153	116.1	91.2	136.8
152	59.9	43.8	65.8





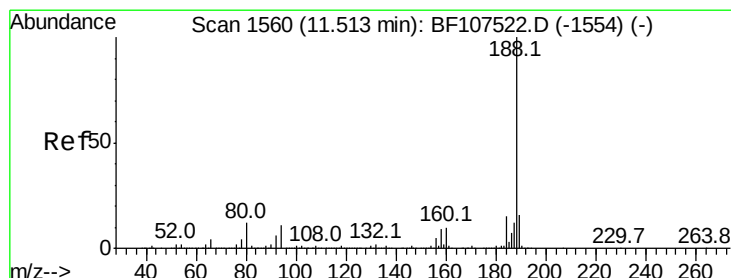
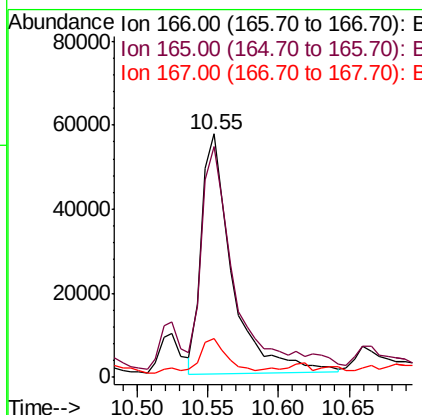
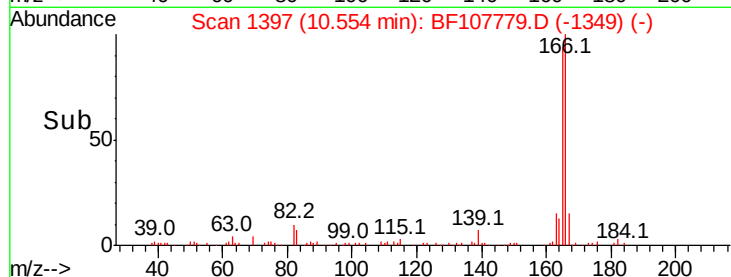
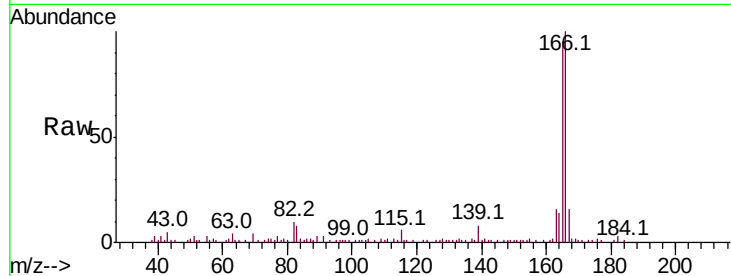
#57
 Fluorene
 Concen: 6.698 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.02 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

Instrument :
 BNA_F
 ClientSampleId :
 MW-6B

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.0	79.8	119.8
167	16.0	10.6	16.0#

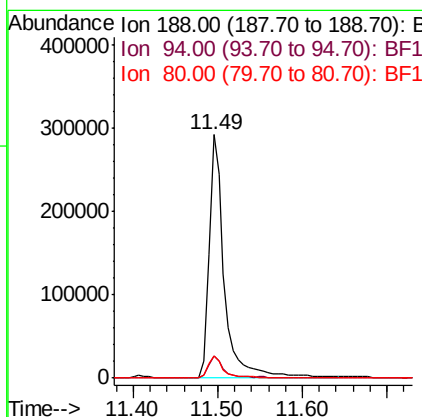
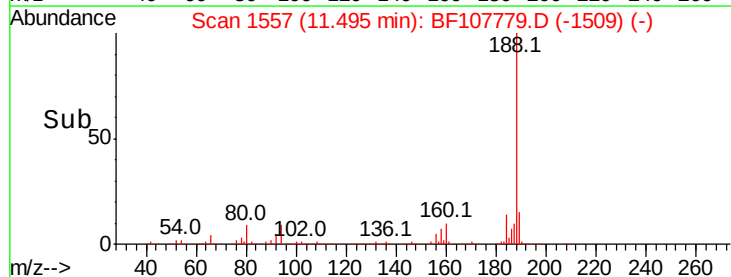
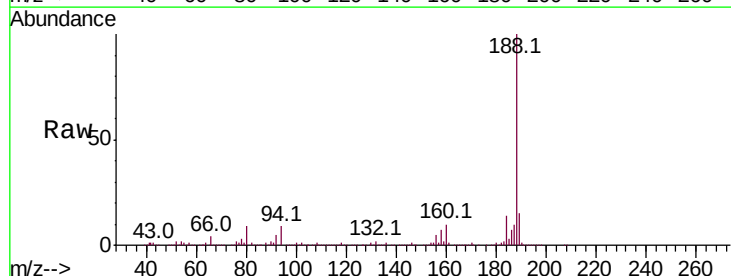
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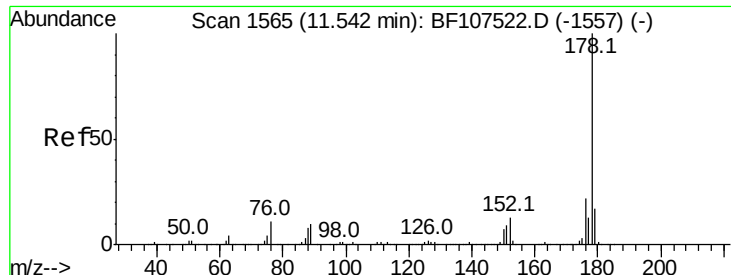
Sohil
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	9.2	9.2	13.8#





#70

Phenanthrene

Concen: 22.258 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF107779.D

Acq: 28 Jul 2018 6:57

Instrument :

BNA_F

ClientSampled :

MW-6B

Tot Ion:178 Resp: 405050

Ion Ratio Lower Upper

178 100

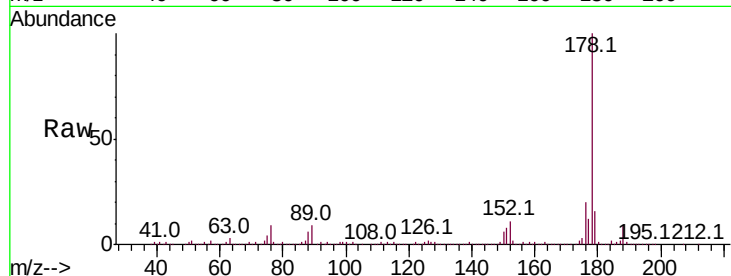
176 19.7 15.8 23.8

179 15.9 13.0 19.6

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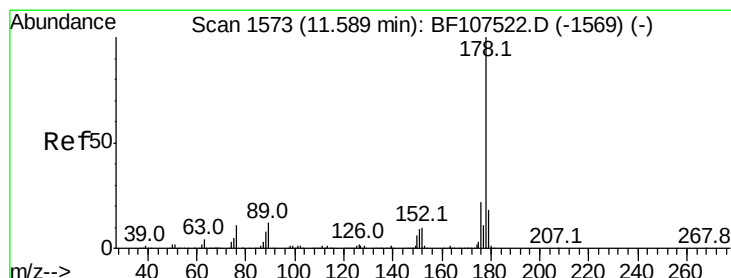
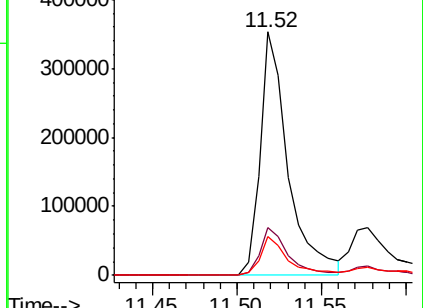
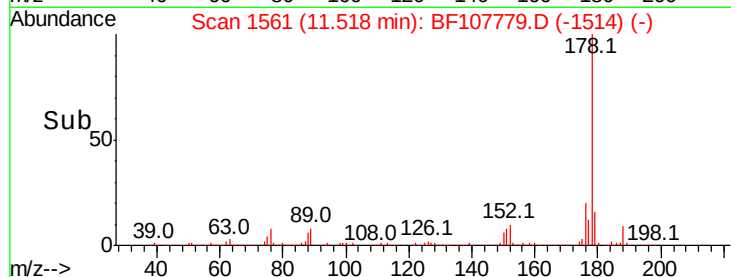
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 6.935 ng

RT: 11.58 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF107779.D

Acq: 28 Jul 2018 6:57

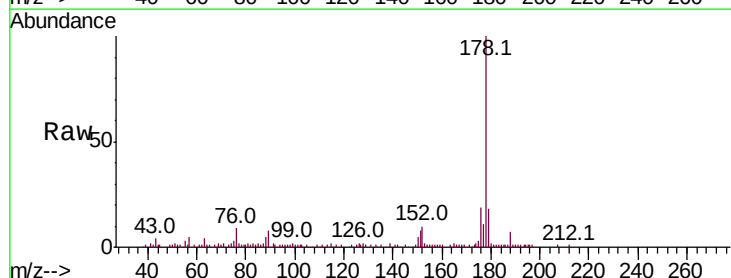
Tgt Ion:178 Resp: 127064

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

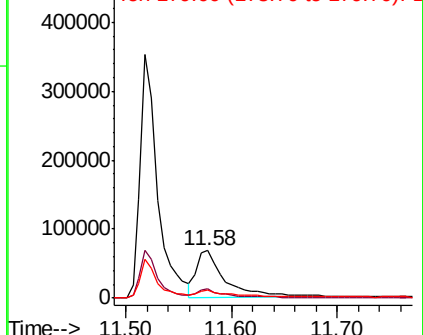
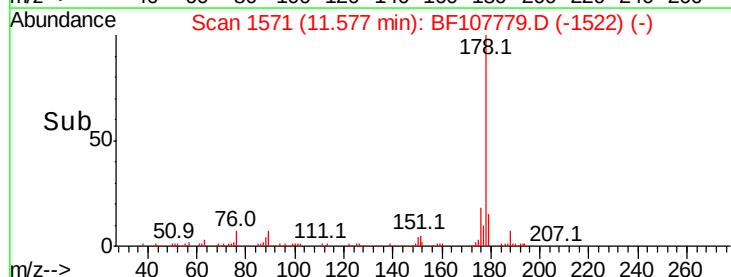
179 17.6 12.6 19.0

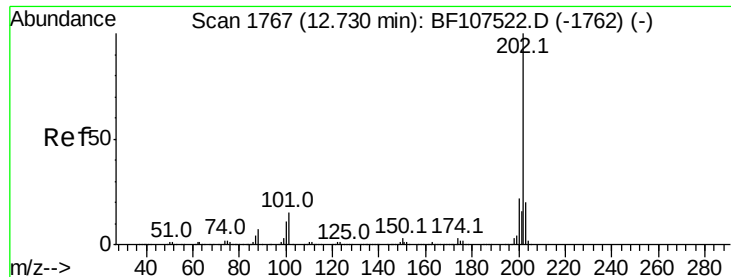


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 12.035 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF107779.D

Acq: 28 Jul 2018 6:57

Instrument :

BNA_F

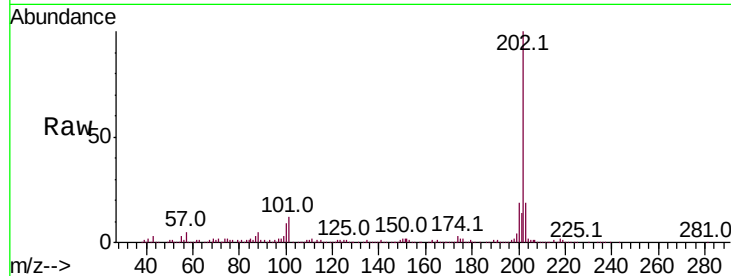
ClientSampled :

MW-6B

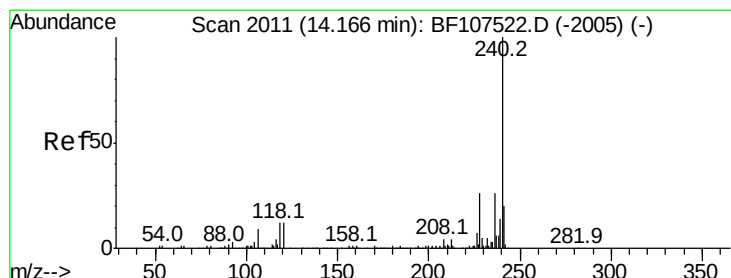
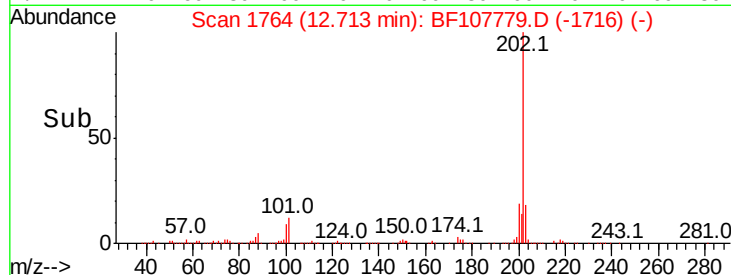
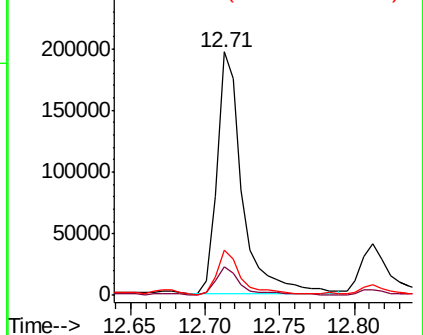
Tot Ion:	202	Resp:	235020
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	34.1
203	18.6	0.0	38.1

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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# 2008

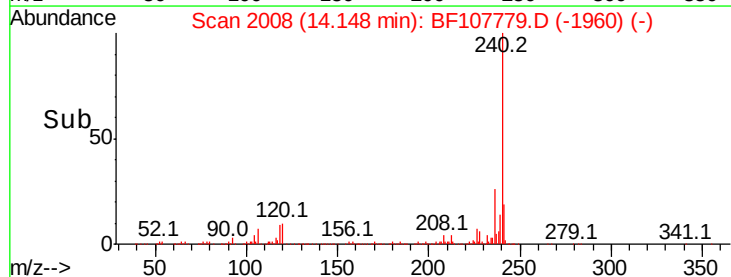
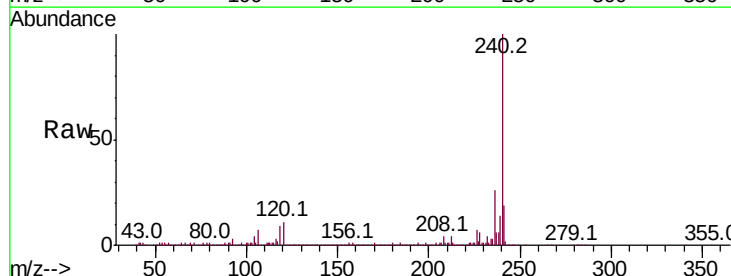
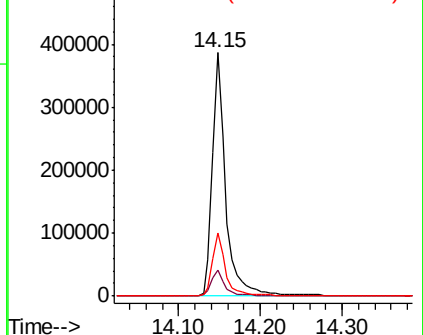
Delta R.T. -0.02 min

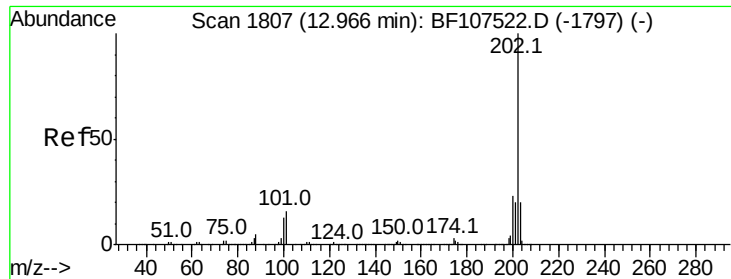
Lab File: BF107779.D

Acq: 28 Jul 2018 6:57

Tgt Ion:	240	Resp:	437702
Ion Ratio	Lower	Upper	
240	100		
120	10.5	9.5	14.3
236	25.8	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: 11.076 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.02 min

Lab File: BF107779.D

Acq: 28 Jul 2018 6:57

Instrument :

BNA_F

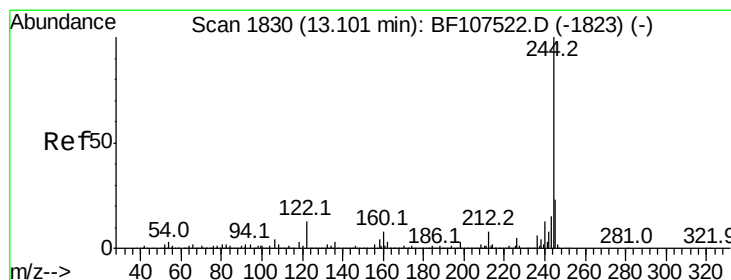
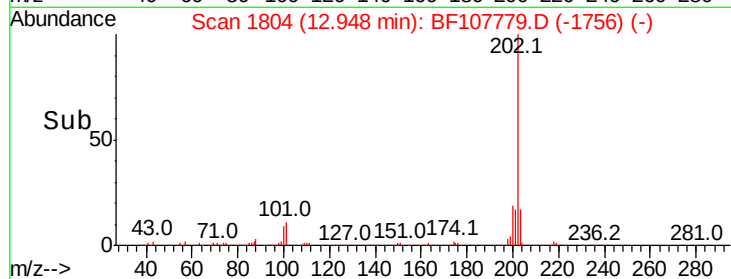
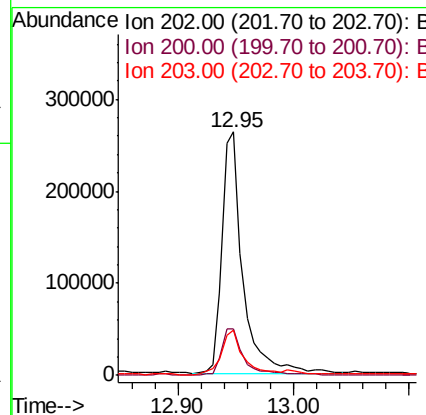
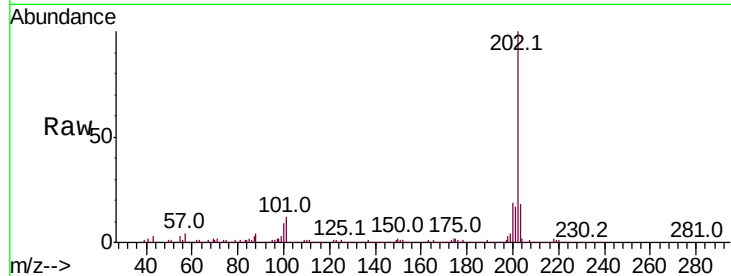
ClientSampleId :

MW-6B

Tot Ion:	202	Resp:	331604
Ion Ratio	Lower	Upper	
202	100		
200	19.2	17.4	26.2
203	18.4	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 4.879 ng

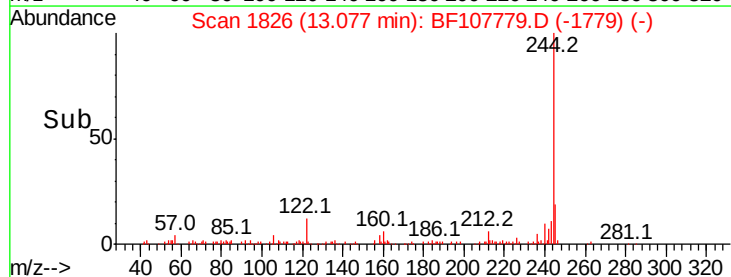
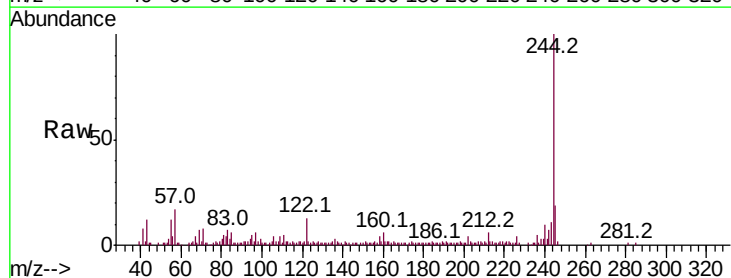
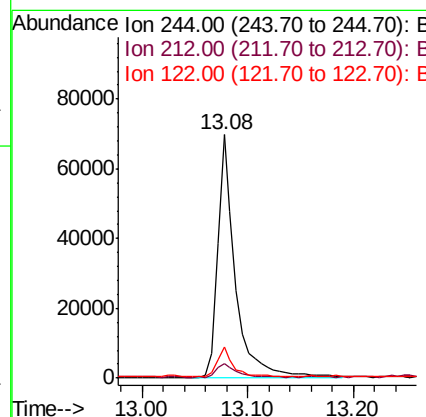
RT: 13.08 min Scan# 1826

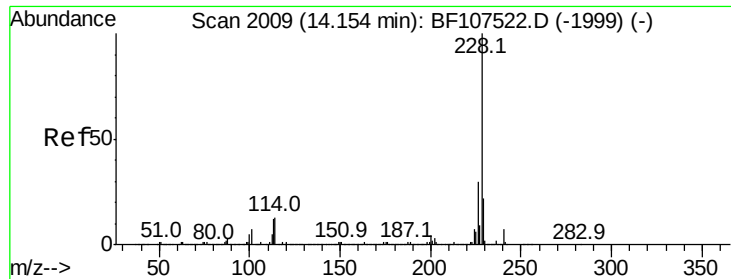
Delta R.T. -0.02 min

Lab File: BF107779.D

Acq: 28 Jul 2018 6:57

Tgt Ion:	244	Resp:	83418
Ion Ratio	Lower	Upper	
244	100		
212	6.0	5.4	8.0
122	12.6	11.0	16.4





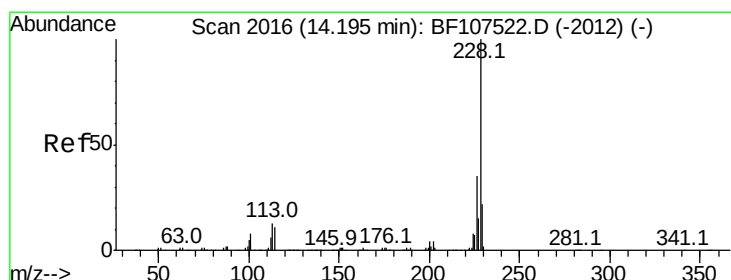
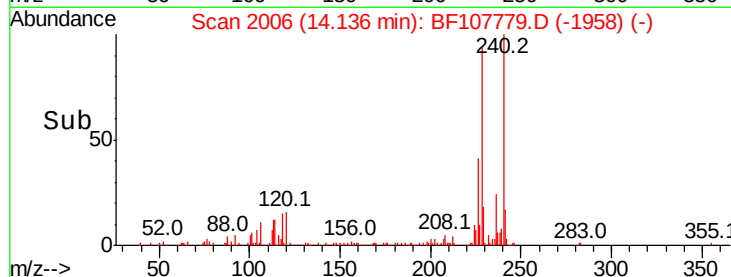
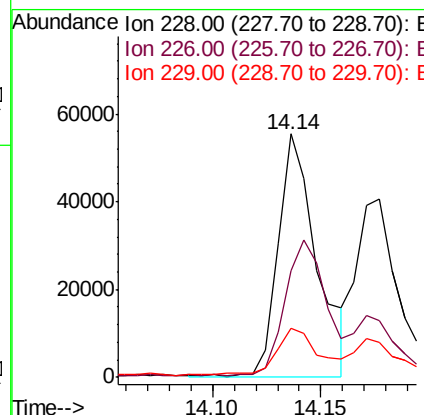
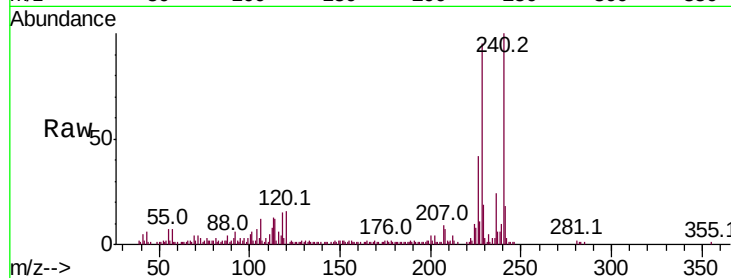
#80
Benzo(a)anthracene
Concen: 2.708 ng m
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Instrument :
BNA_F
ClientSampleId :
MW-6B

Tot Ion	Ratio	Lower	Upper
228	100		
226	43.7	22.6	33.8#
229	20.3	15.8	23.6

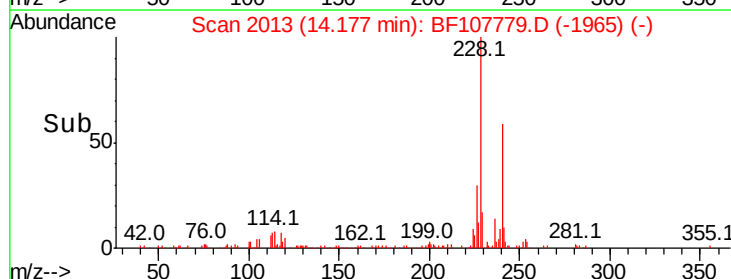
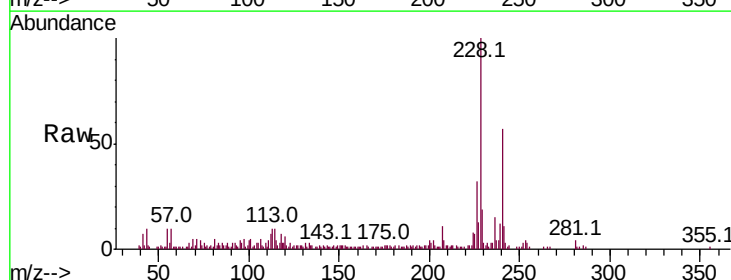
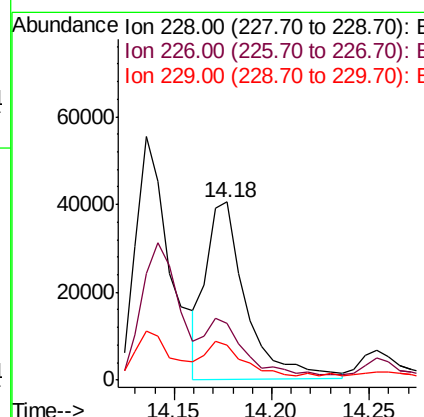
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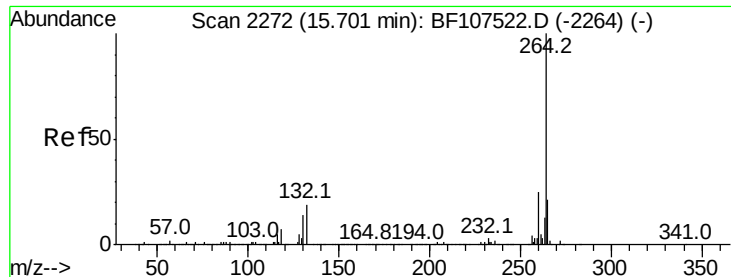
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#82
Chrysene
Concen: 2.343 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	19.3	16.2	24.4





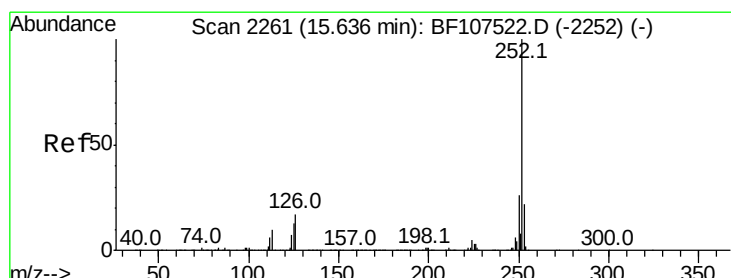
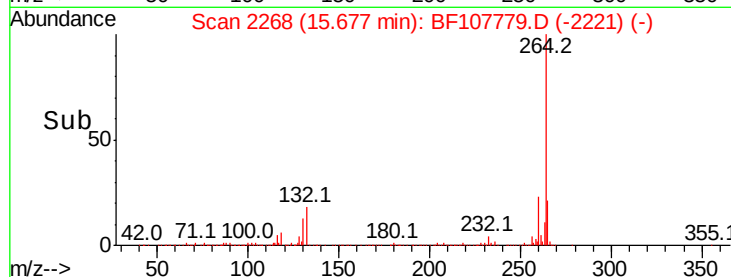
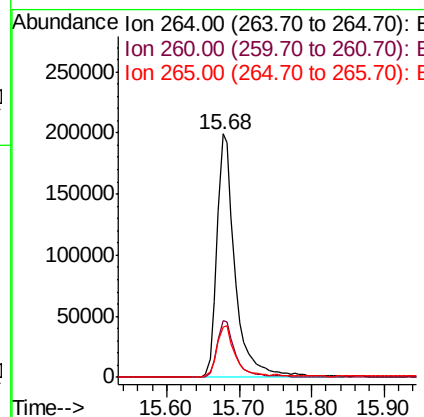
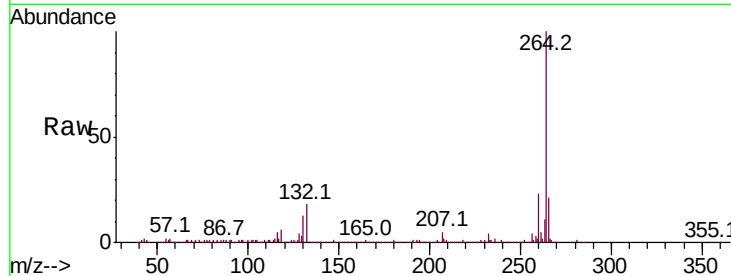
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Instrument :
BNA_F
ClientSampled :
MW-6B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	20.9	17.5	26.3

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#89
Benzo(a)pyrene
Concen: 2.209 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.6	9.8	14.6

