

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107938.D
 Acq On : 3 Aug 2018 15:29
 Operator : JU/SJ
 Sample : J4262-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118

Manual Integrations
 APPROVED

Sohil
 8/6/2018 5:05:23 PM

Quant Time: Aug 03 17:26:54 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	140268	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	535735	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	273779	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	522701	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	342861	20.00	ng	-0.01
86) Perylene-d12	15.67	264	379810	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	428144	51.88	ng	0.00
7) Phenol-d6	6.61	99	352315	32.39	ng	0.00
23) Nitrobenzene-d5	7.52	82	884595	95.13	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	400430	107.64	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1692066	86.12	ng	-0.01
78) Terphenyl-d14	13.07	244	1439312	91.03	ng	-0.01
Target Compounds						
17) 2-Methylphenol	7.24	107	38852	5.077	ng	Qvalue # 91
20) 3+4-Methylphenols	7.40	107	68248	7.263	ng	96
27) 2,4-Dimethylphenol	7.90	122	56578	8.635	ng	95
31) Naphthalene	8.26	128	2835361	113.855	ng	97
37) 2-Methylnaphthalene	8.95	142	352766	22.551	ng	97
45) 1,1'-Biphenyl	9.41	154	76457	3.069	ng	99
48) Acenaphthylene	9.85	152	161286	5.537	ng	# 96
49) Dimethylphthalate	9.70	163	80586	3.919	ng	99
51) Acenaphthene	10.02	154	615546	36.379	ng	99
54) Dibenzofuran	10.20	168	410396	15.692	ng	97
57) Fluorene	10.54	166	516803	25.427	ng	92
70) Phenanthrene	11.51	178	516591	20.814	ng	99
71) Anthracene	11.57	178	180935m	6.320	ng	
72) Carbazole	11.73	167	837519	29.604	ng	99
74) Fluoranthene	12.71	202	110013	3.773	ng	97
77) Pyrene	12.94	202	115283	4.669	ng	99

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

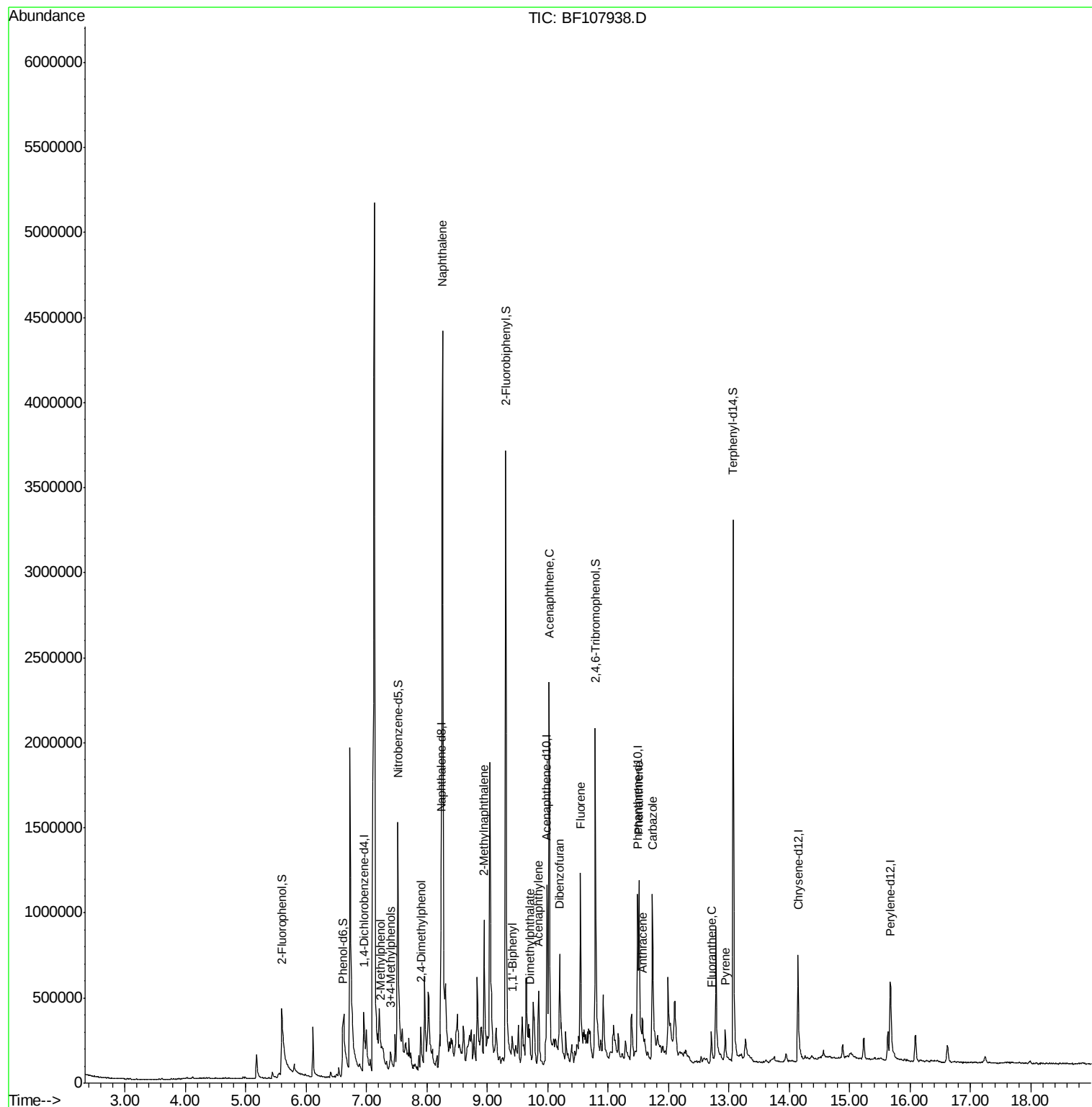
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107938.D
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ALS Vial : 5 Sample Multiplier: 1

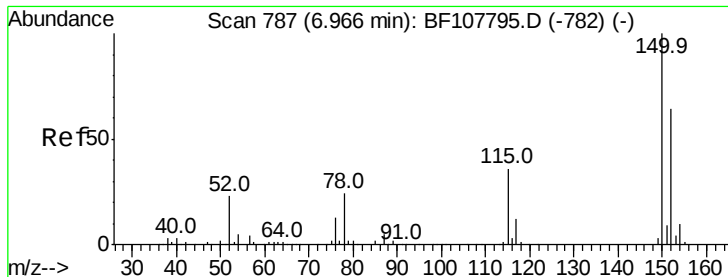
Instrument :
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#1

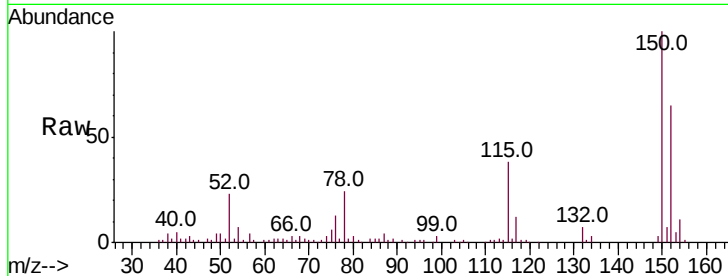
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Instrument :
BNA_F
ClientSampleId :
DUP-073118

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	57.8	50.1	75.1

Manual Integrations
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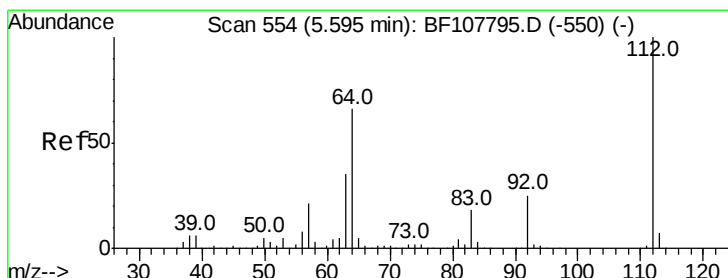
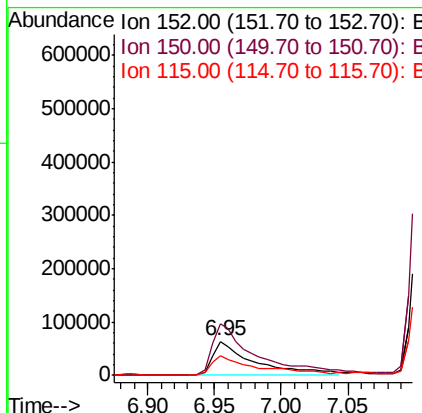
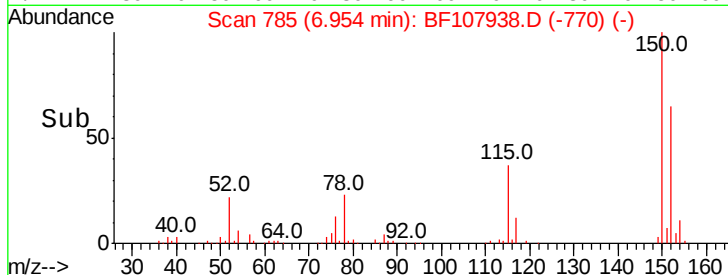


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

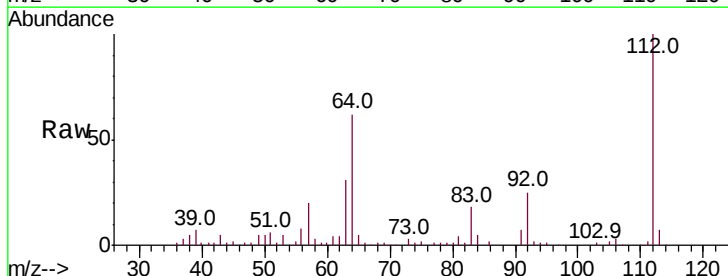
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.876 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	47.9	71.9
63	30.8	23.7	35.5

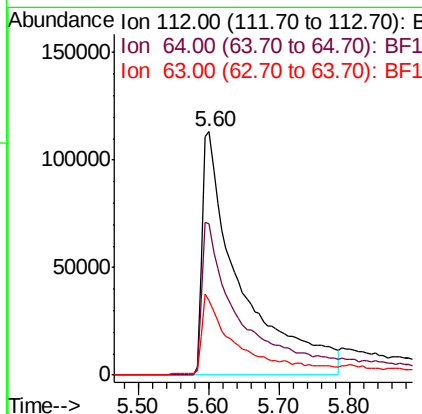
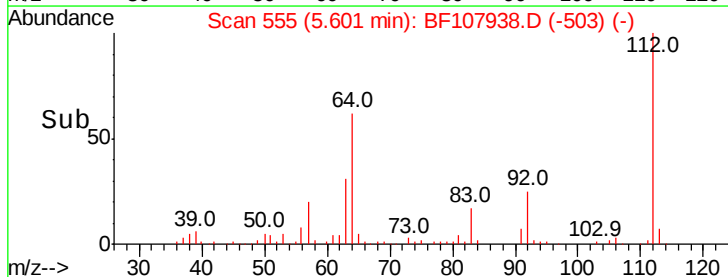


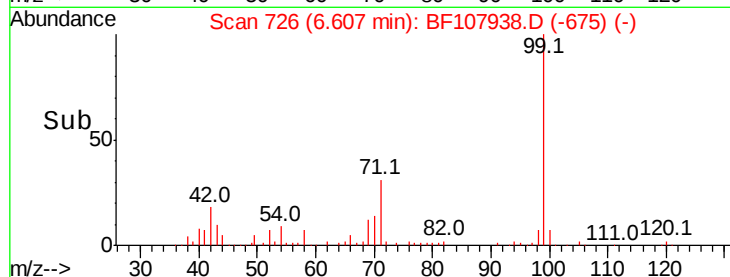
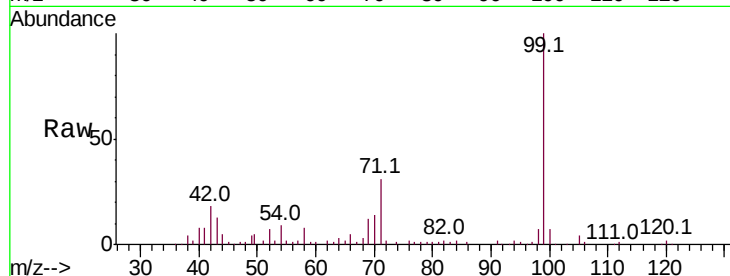
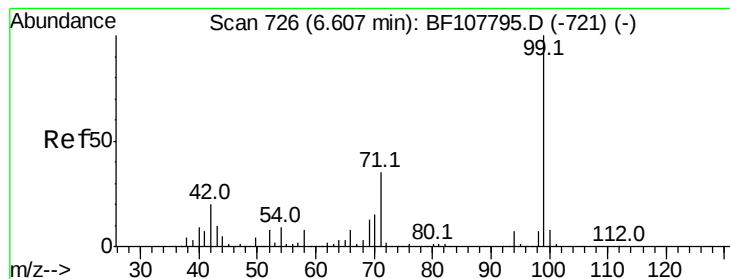
Abundance

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: 32.390 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Tot Ion	99	Ratio	100	Resp	352315
Ion	99	100		Lower	Upper
	42	18.2	14.5	21.7	
	71	31.0	25.4	38.0	

Instrument :

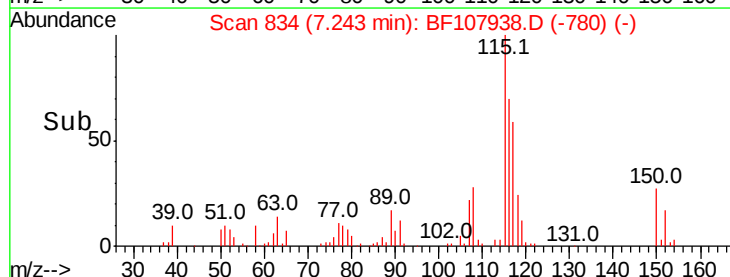
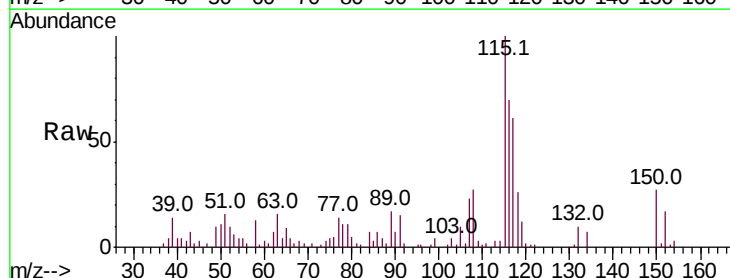
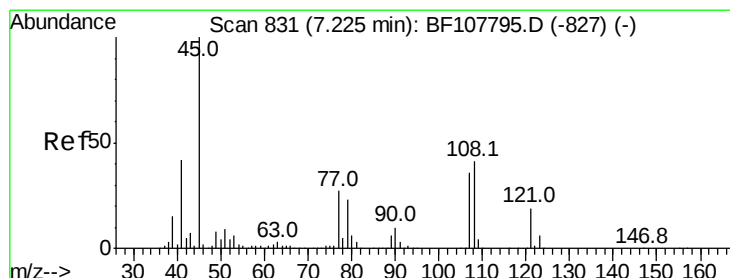
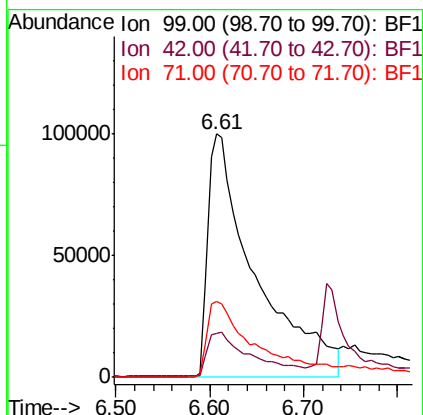
BNA_F

ClientSampled :

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#17

2-Methylphenol

Concen: 5.077 ng

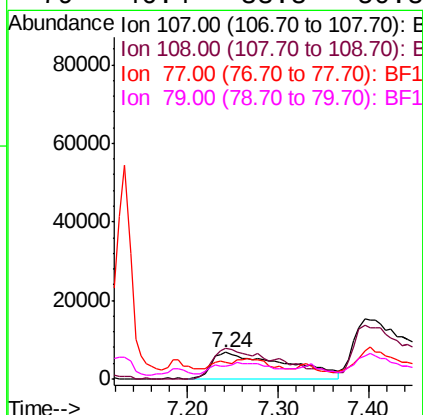
RT: 7.24 min Scan# 834

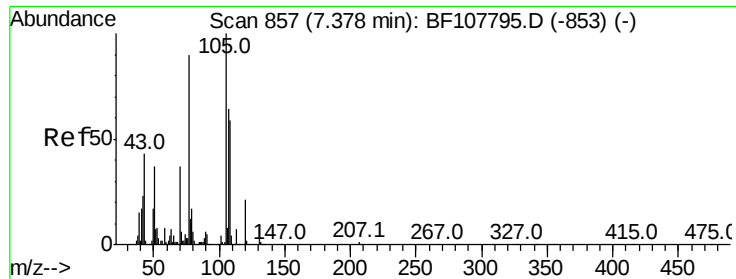
Delta R.T. 0.02 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Tgt Ion	107	Ratio	100	Resp	38852
Ion	107	100		Lower	Upper
	108	116.7	91.7	137.5	
	77	61.3	33.8	50.8#	
	79	46.4	33.8	50.8	





#20

3+4-Methylphenols

Concen: 7.263 ng

RT: 7.40 min Scan# 860

Delta R.T. 0.02 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Instrument :

BNA_F

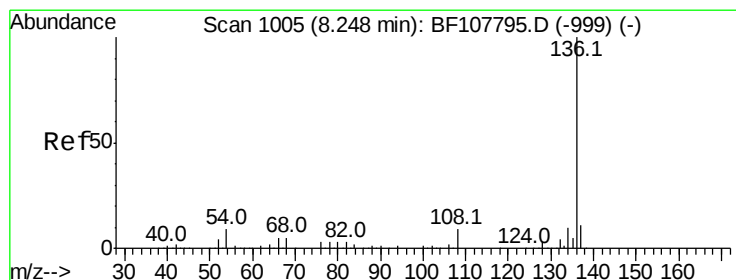
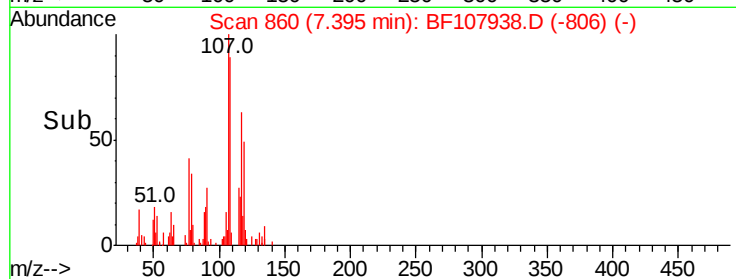
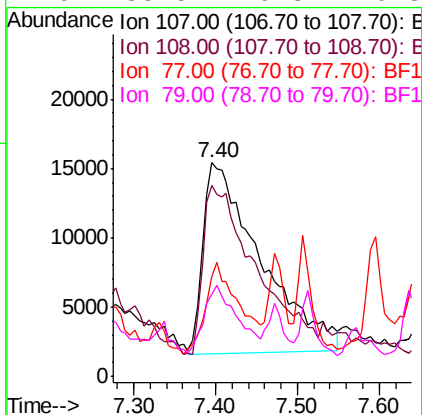
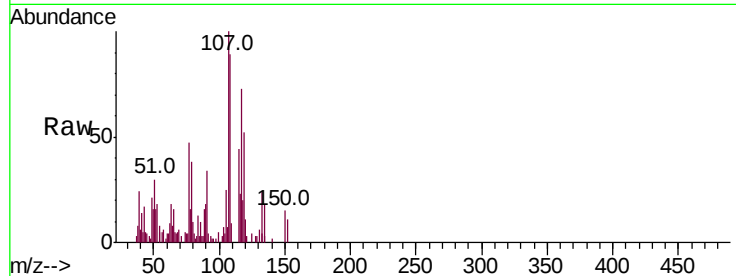
ClientSampleId :

DUP-073118

Tot Ion	Ratio	Lower	Upper
107	100		
108	89.0	68.2	108.2
77	46.9	26.7	66.7
79	38.5	6.3	46.3

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#21

Naphthalene-d8

Concen: 20.000 ng

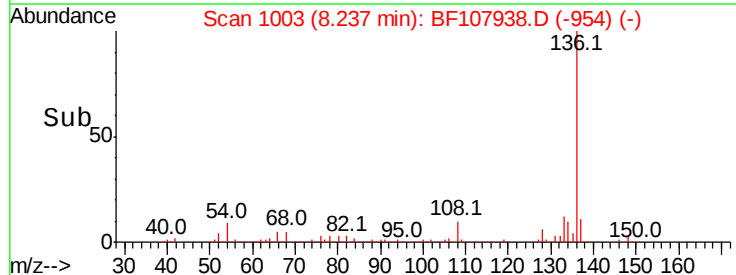
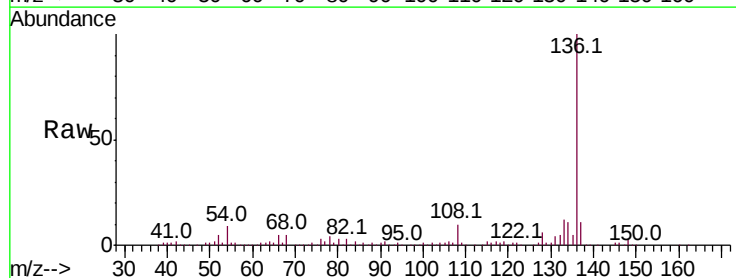
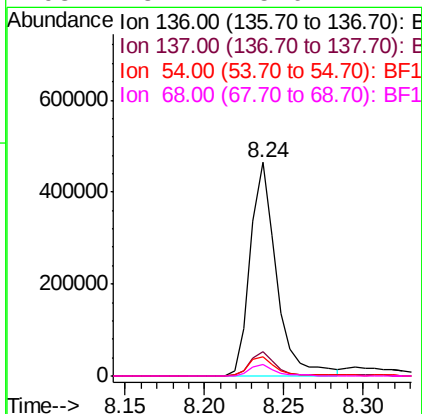
RT: 8.24 min Scan# 1003

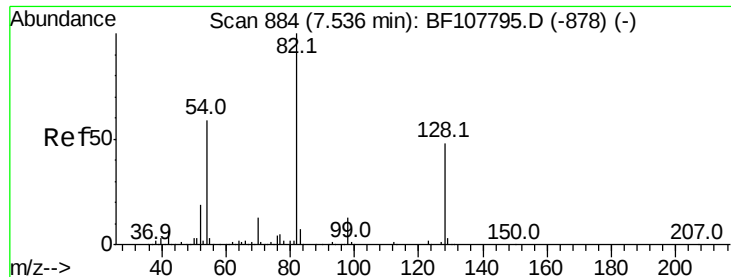
Delta R.T. -0.01 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.1	6.6	9.8
68	5.2	5.0	7.4





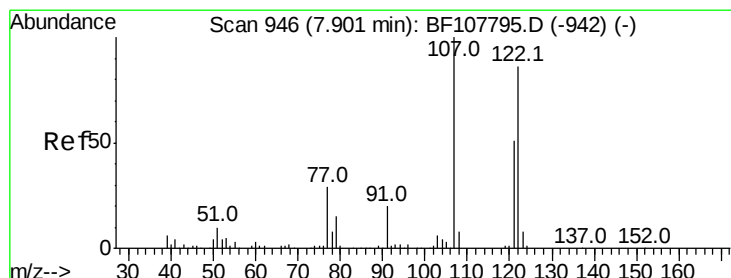
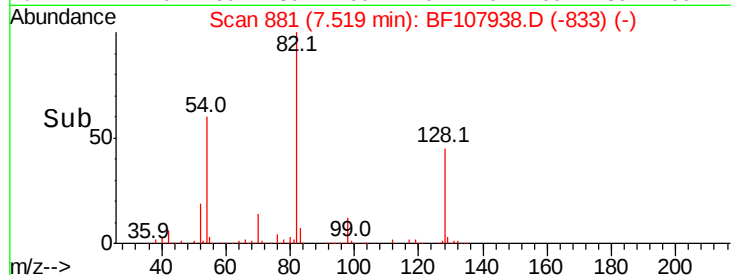
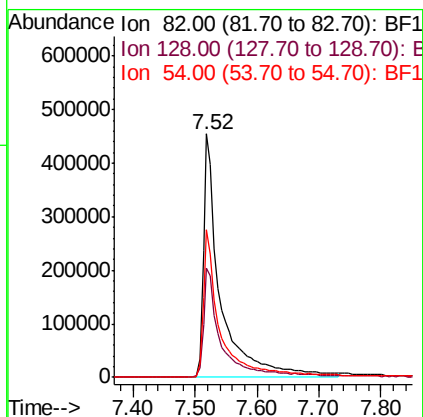
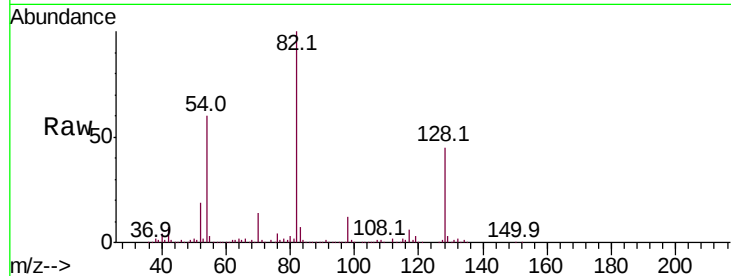
#23
Nitrobenzene-d5
Concen: 95.125 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Instrument :
BNA_F
ClientSampleId :
DUP-073118

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.9	36.1	54.1	
54	60.4	41.4	62.2	

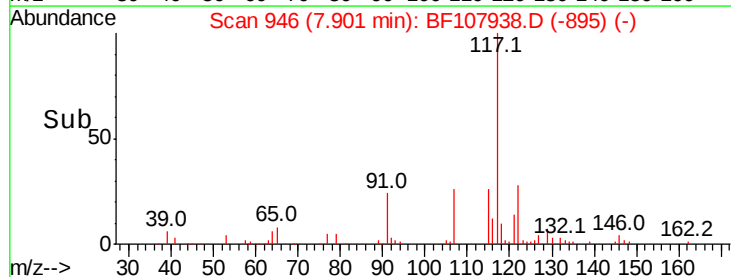
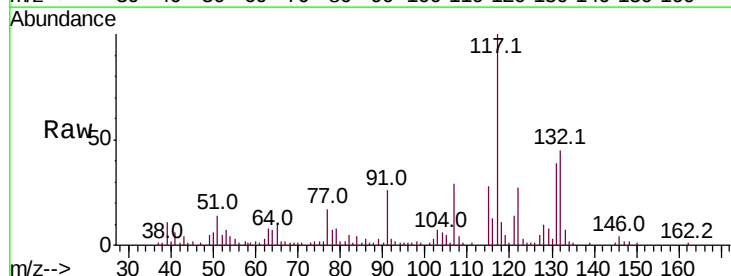
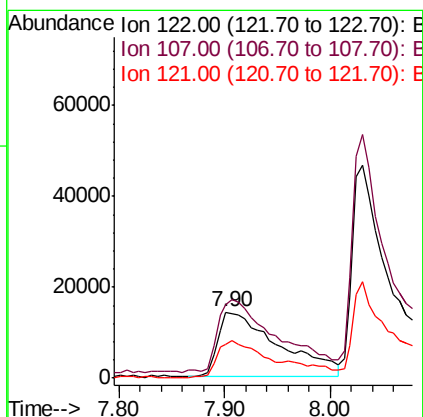
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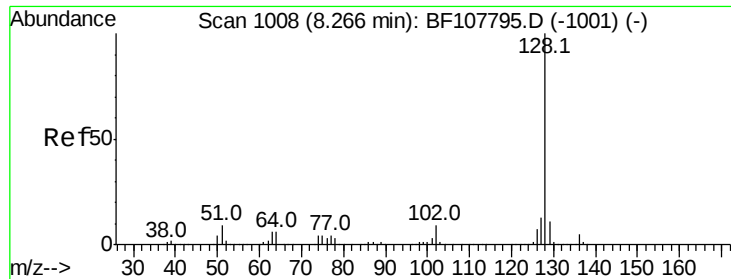
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#27
2,4-Dimethylphenol
Concen: 8.635 ng
RT: 7.90 min Scan# 946
Delta R.T. 0.00 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
107	110.8	91.2	136.8	
121	51.6	47.2	70.8	





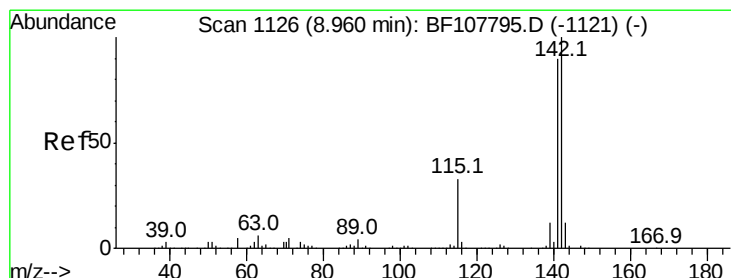
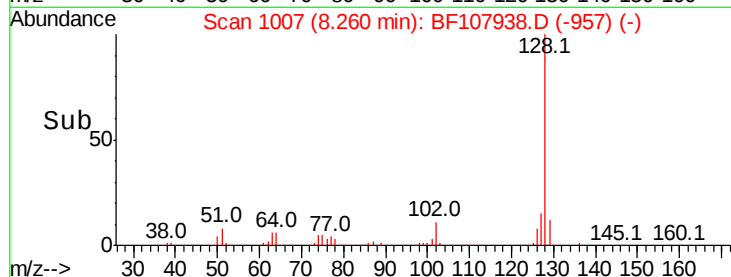
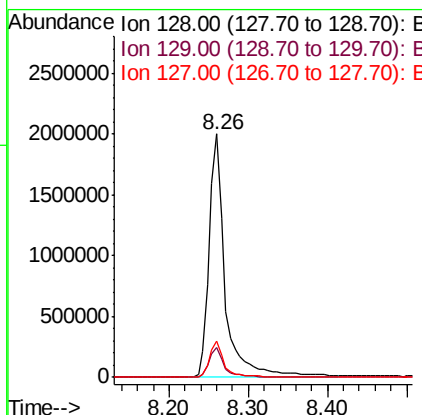
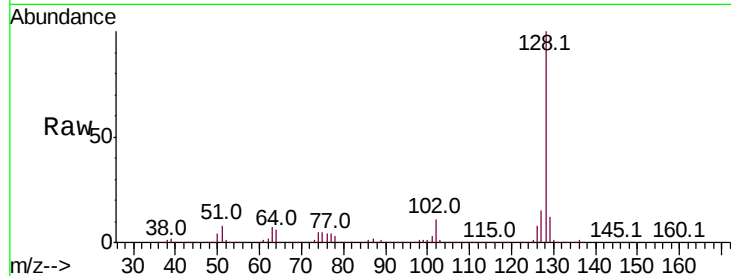
#31
Naphthalene
Concen: 113.855 ng
RT: 8.26 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Instrument :
BNA_F
ClientSampleId :
DUP-073118

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.8	13.2
127	14.7	10.9	16.3

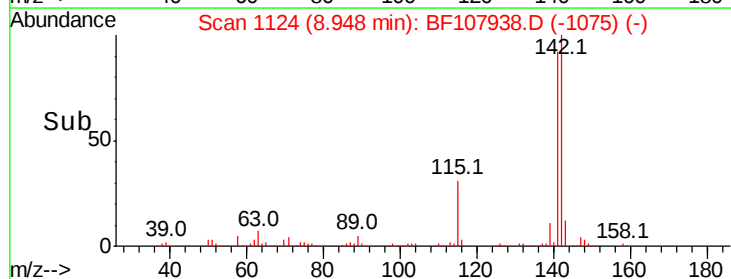
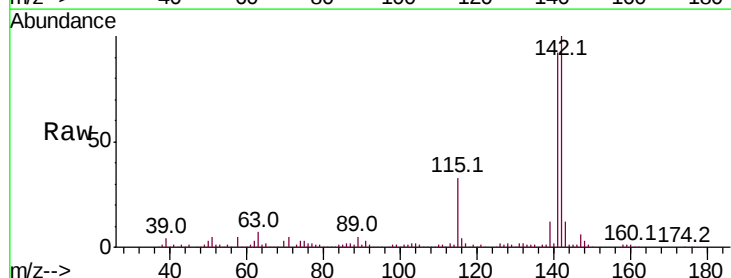
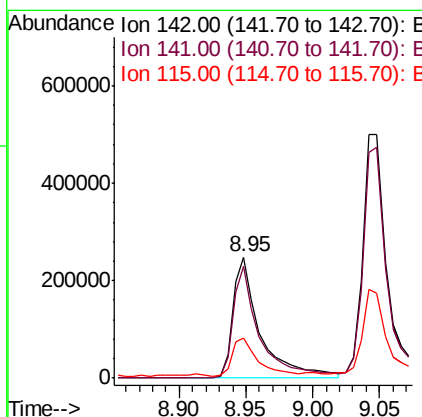
Manual Integrations
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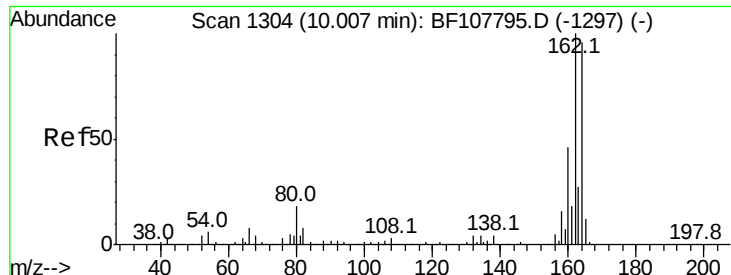
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#37
2-Methylnaphthalene
Concen: 22.551 ng
RT: 8.95 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	70.8	106.2
115	33.2	26.1	39.1





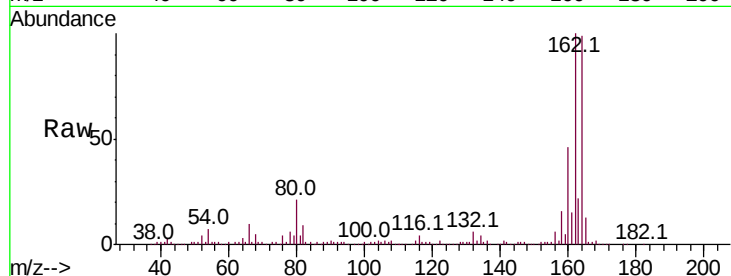
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Instrument :
BNA_F
ClientSampleId :
DUP-073118

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.7	86.1	129.1
160	46.8	38.3	57.5

Manual Integrations
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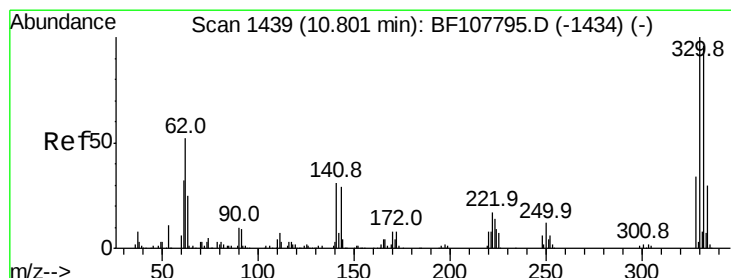
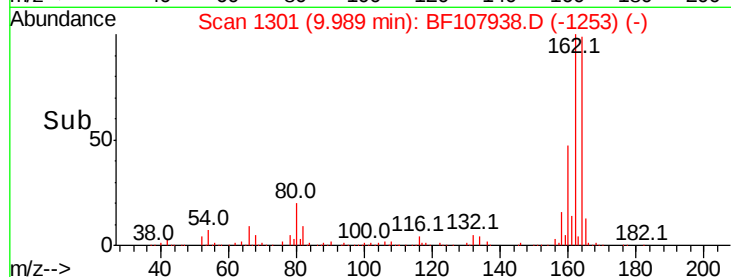
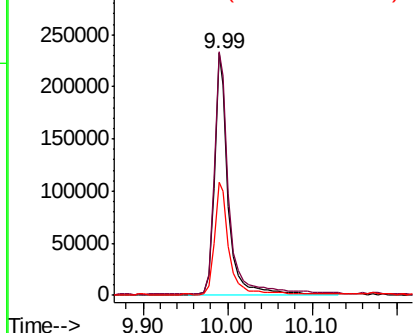


Abundance

Ion 164.00 (163.70 to 164.70): E

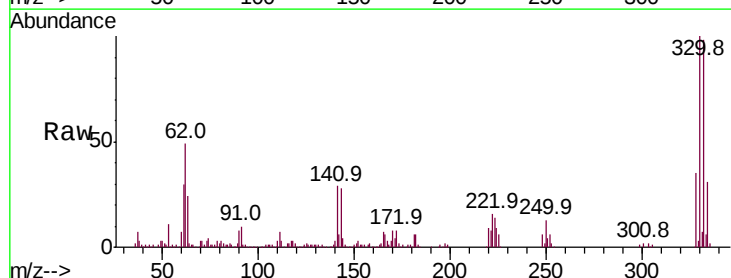
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
2,4,6-Tribromophenol
Concen: 107.639 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.0	115.6
141	27.7	29.9	44.9#

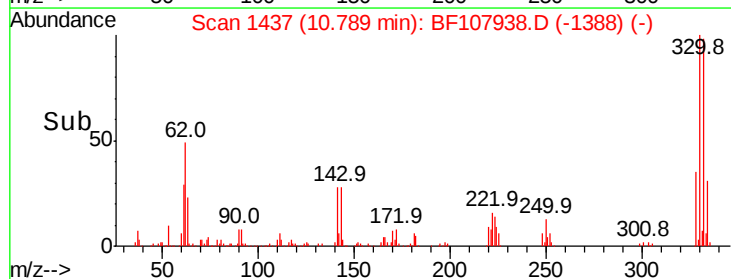
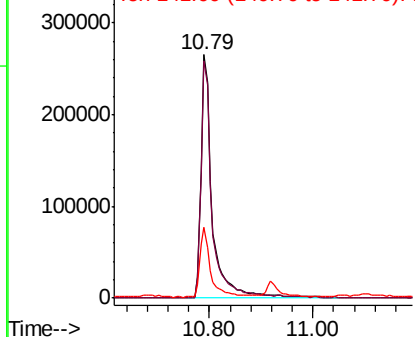


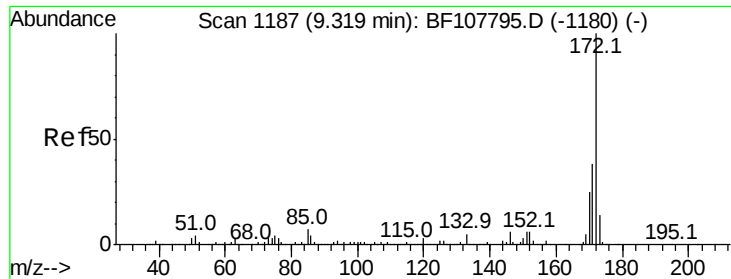
Abundance

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





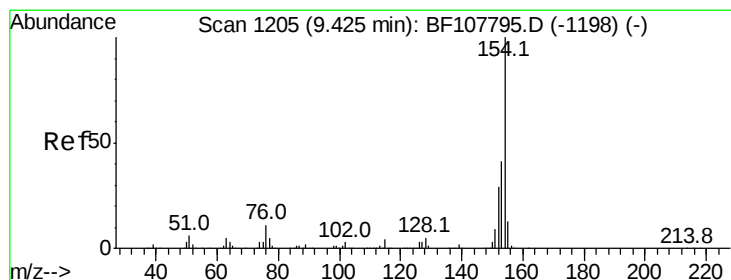
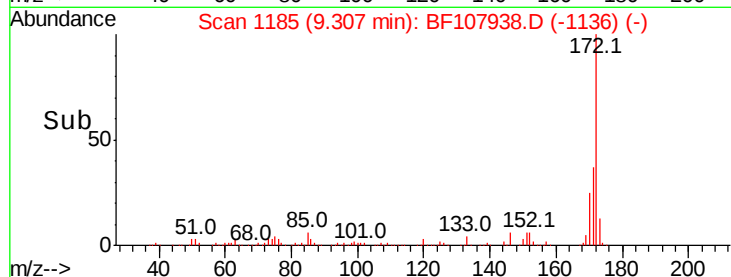
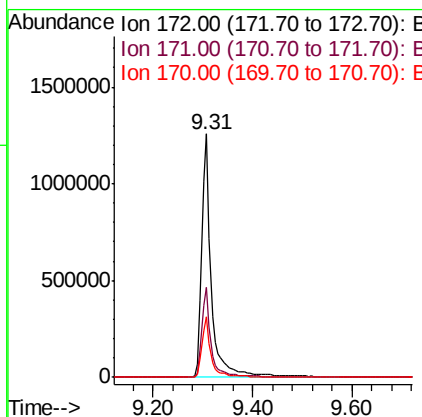
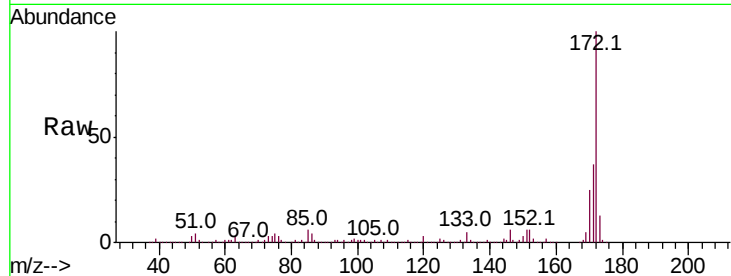
#44
2-Fluorobiphenyl
Concen: 86.123 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Instrument :
BNA_F
ClientSampleId :
DUP-073118

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	24.7	19.6	29.4

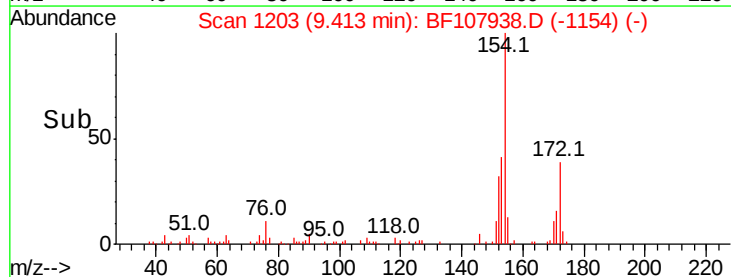
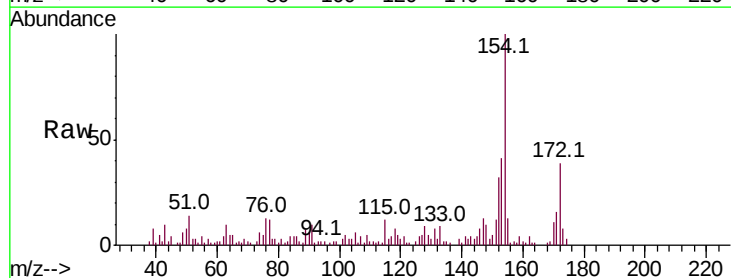
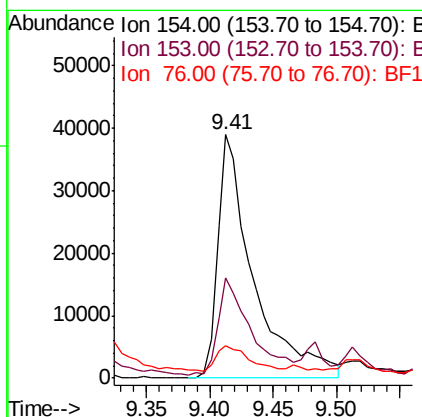
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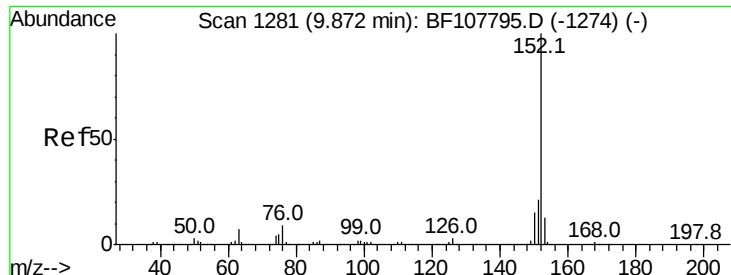
Sohil
8/6/2018 5:05:23 PM



#45
1,1'-Biphenyl
Concen: 3.069 ng
RT: 9.41 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.3	61.3
76	13.2	0.0	34.0





#48

Acenaphthylene

Concen: 5.537 ng

RT: 9.85 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Instrument :

BNA_F

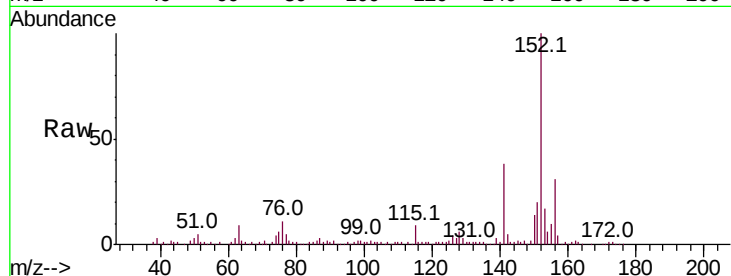
ClientSampleId :

DUP-073118

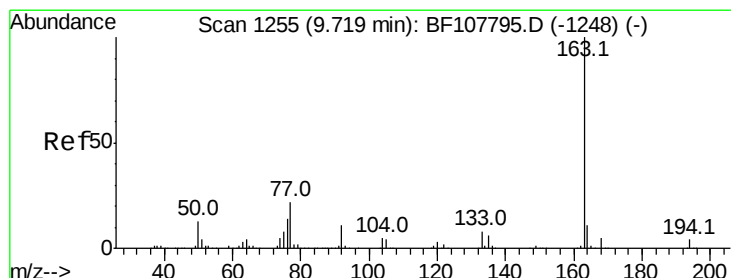
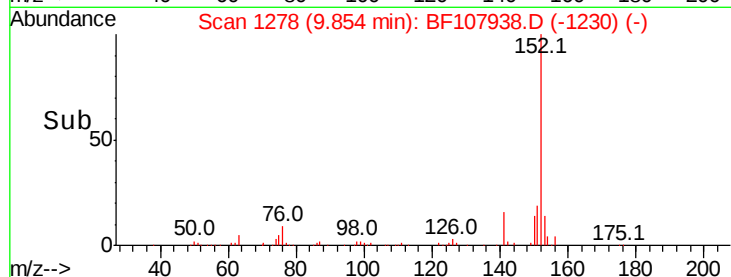
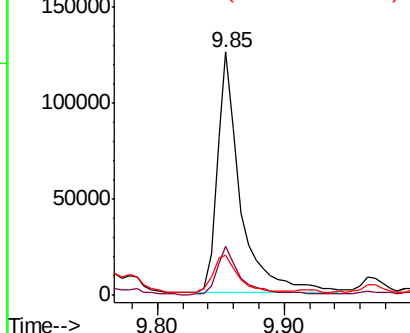
Tot Ion	Ratio	Resp	Lower	Upper
152	100	161286		
151	19.9	16.3	24.5	
153	16.5	10.7	16.1	

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.919 ng

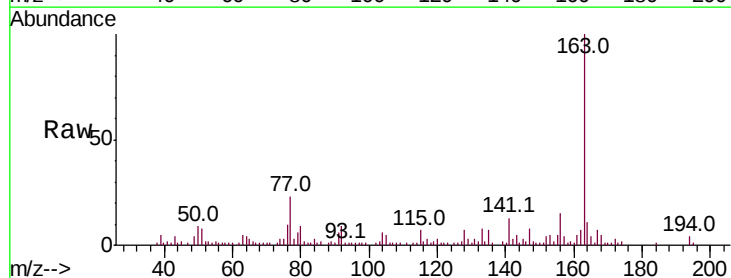
RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

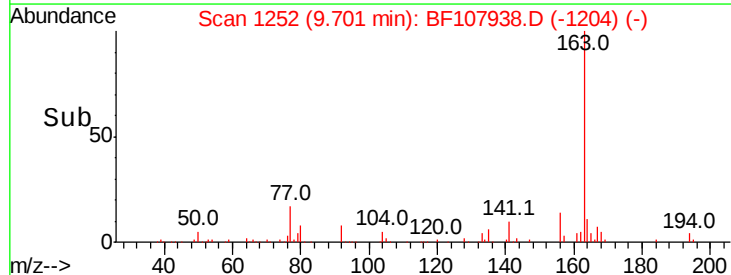
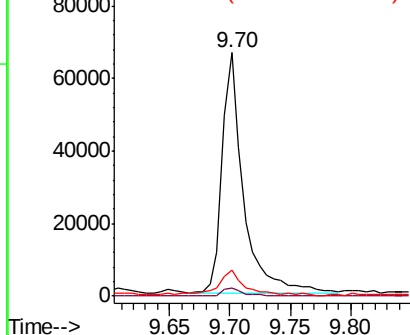
Lab File: BF107938.D

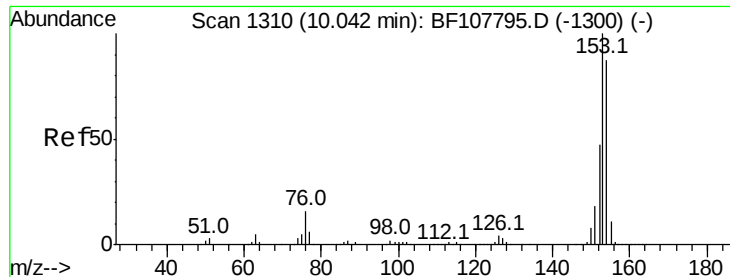
Acq: 3 Aug 2018 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	80586		
194	3.5	2.7	4.1	
164	10.6	8.2	12.2	



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





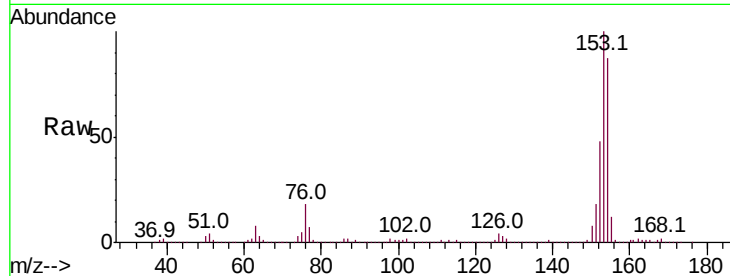
#51
Acenaphthene
Concen: 36.379 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Instrument :
BNA_F
ClientSampleId :
DUP-073118

Tot Ion	Ratio	Resp	Lower	Upper
154	100	615546		
153	115.2	91.2	136.8	
152	55.2	43.8	65.8	

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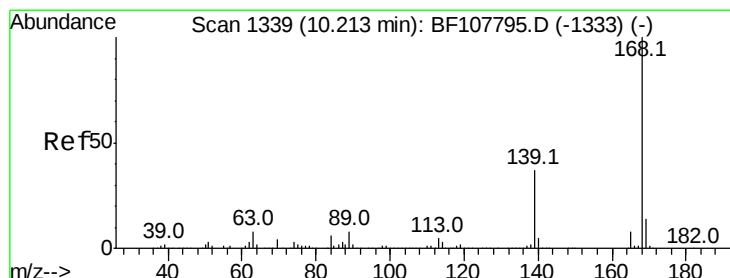
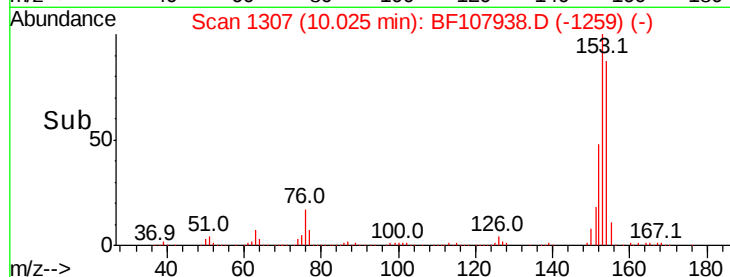
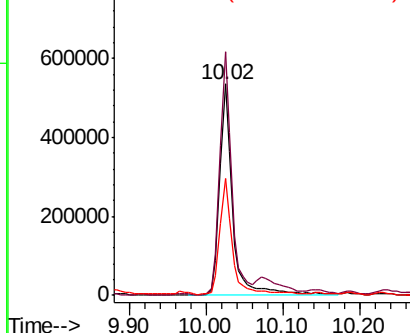


Abundance

Ion 154.00 (153.70 to 154.70): E

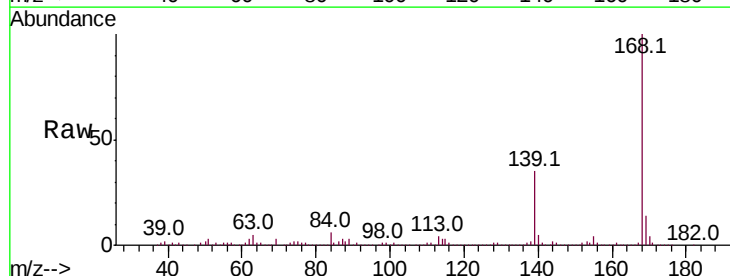
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54
Dibenzofuran
Concen: 15.692 ng
RT: 10.20 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	410396		
139	35.3	30.1	45.1	
169	14.3	10.9	16.3	

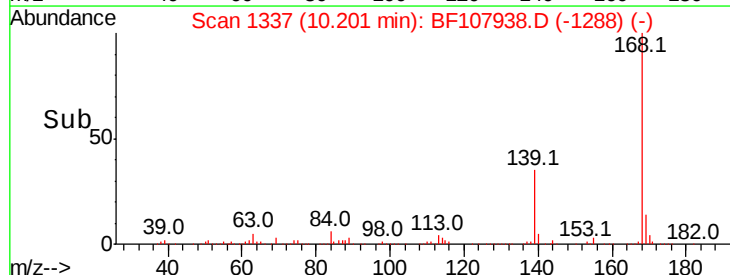
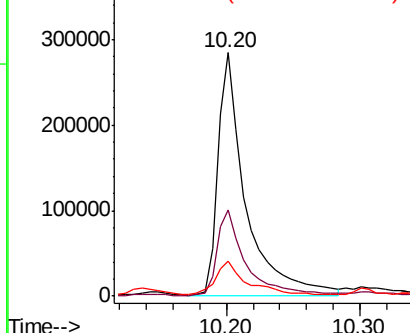


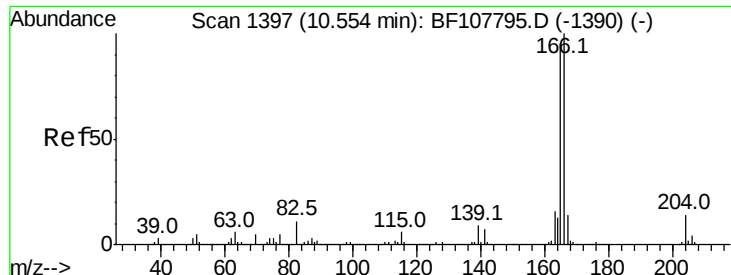
Abundance

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





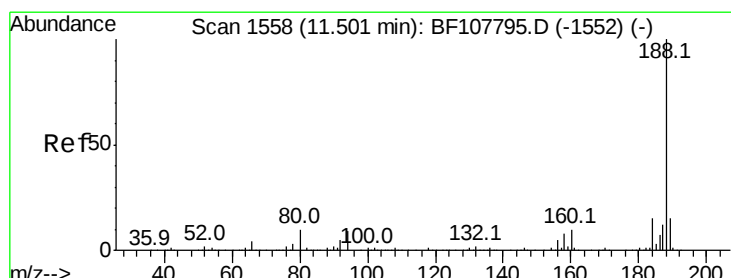
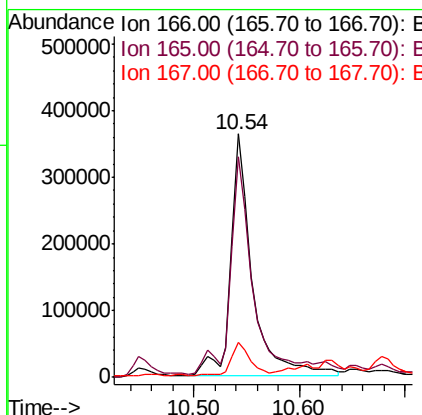
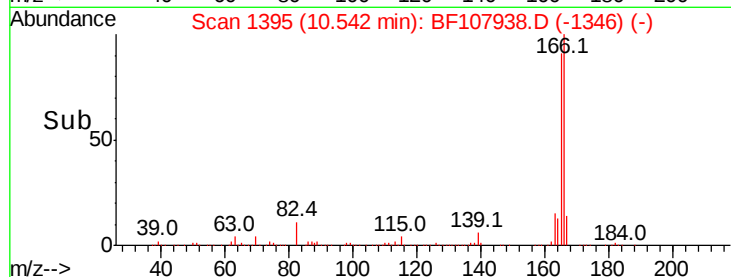
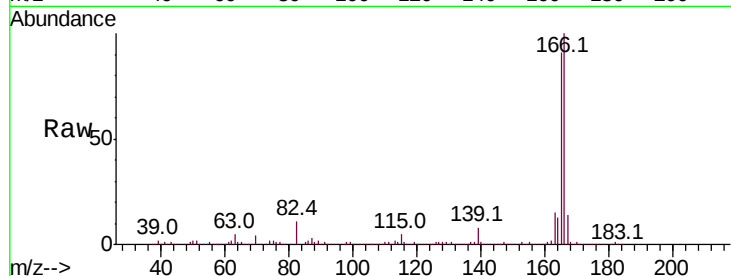
#57
Fluorene
 Concen: 25.427 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

Instrument :
 BNA_F
 ClientSampleID :
 DUP-073118

Tot Ion	Ratio	Lower	Upper
166	100		
165	90.9	79.8	119.8
167	14.2	10.6	16.0

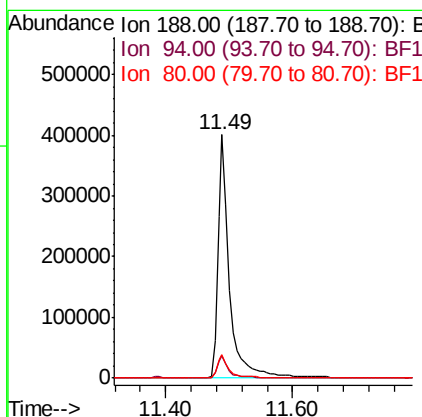
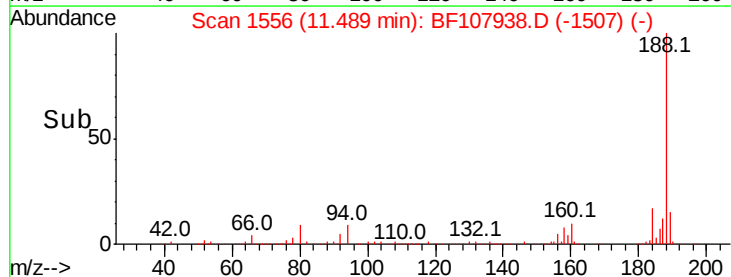
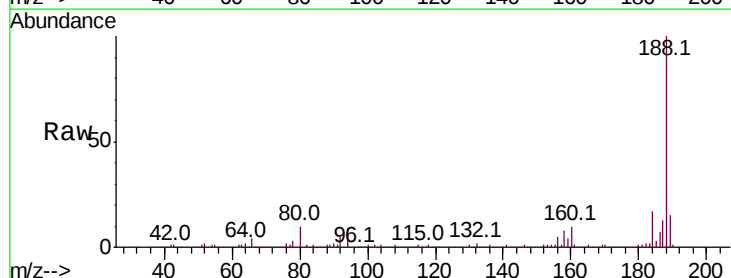
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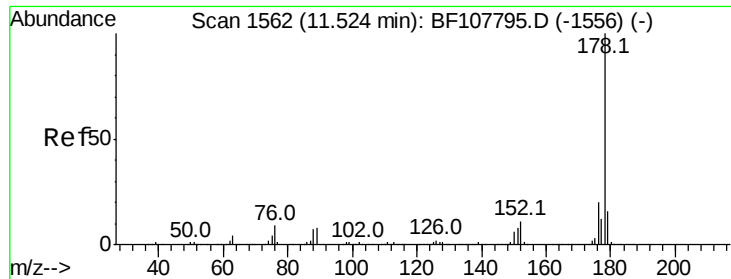
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	9.5	9.2	13.8





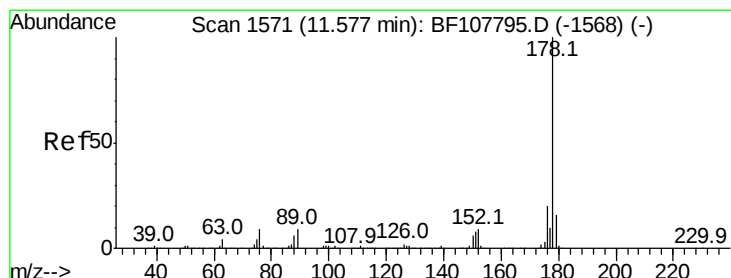
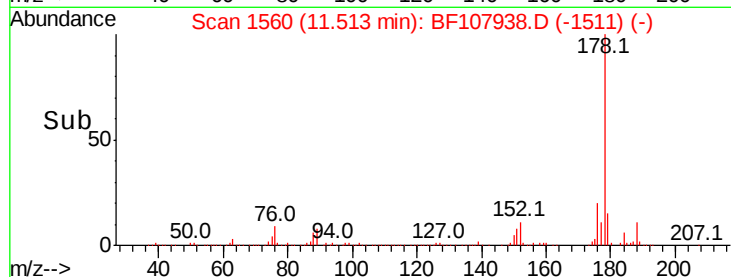
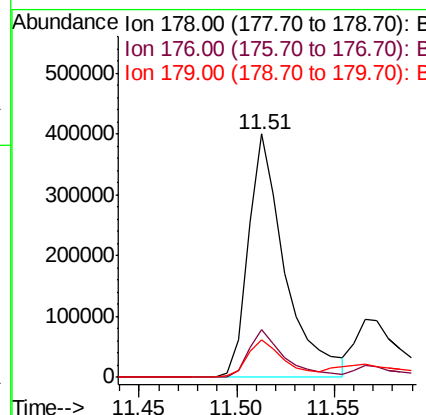
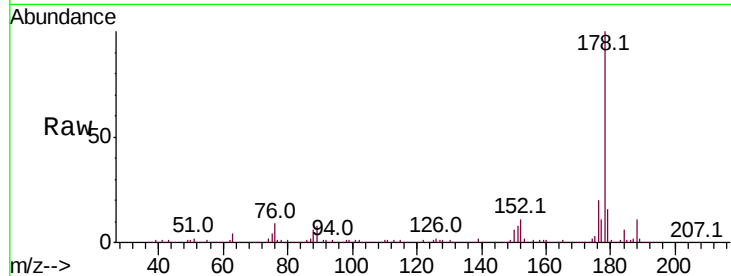
#70
Phenanthrene
Concen: 20.814 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Instrument :
BNA_F
ClientSampleId :
DUP-073118

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.6	13.0	19.6

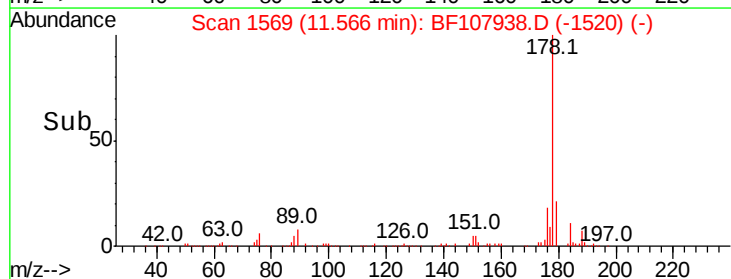
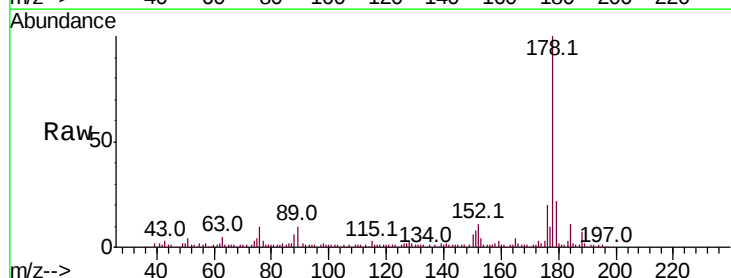
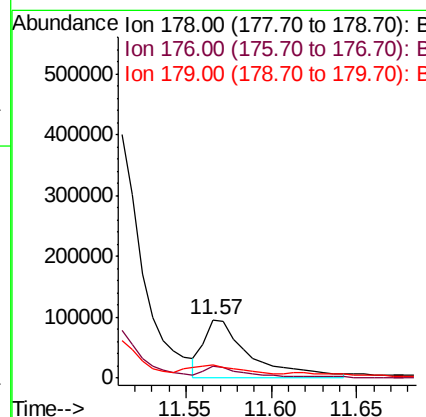
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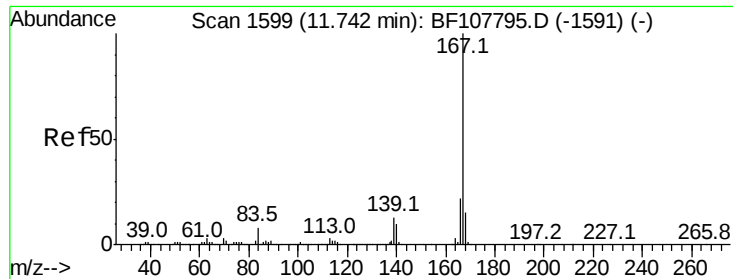
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#71
Anthracene
Concen: 6.320 ng m
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF107938.D
Acq: 3 Aug 2018 15:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	22.0	12.6	19.0





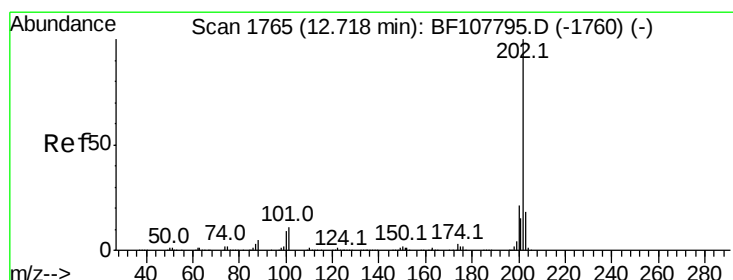
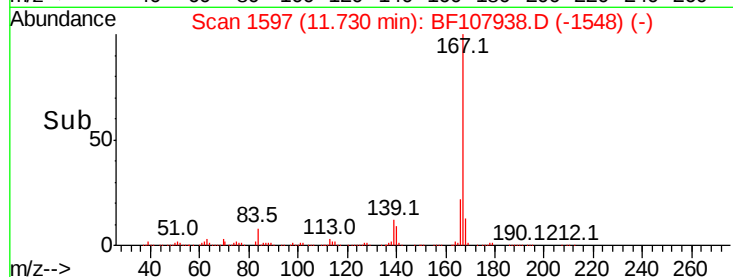
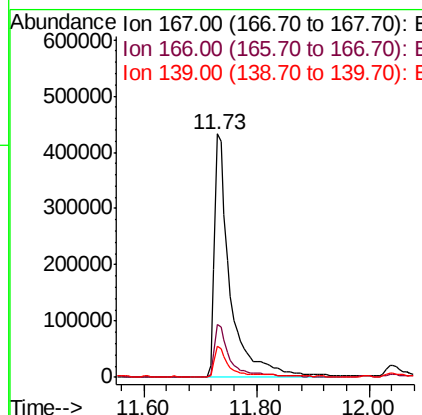
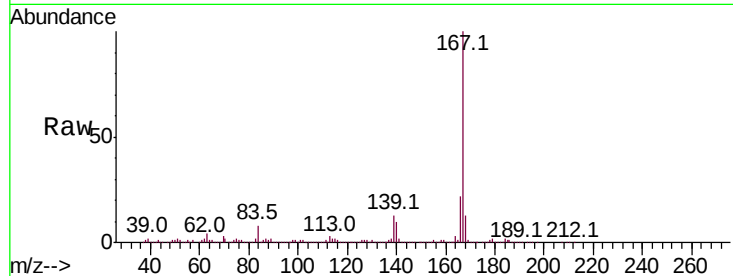
#72
 Carbazole
 Concen: 29.604 ng
 RT: 11.73 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118

Tot Ion	Ratio	Resp	Lower	Upper
167	100	837519		
166	21.7		17.6	26.4
139	12.6		10.9	16.3

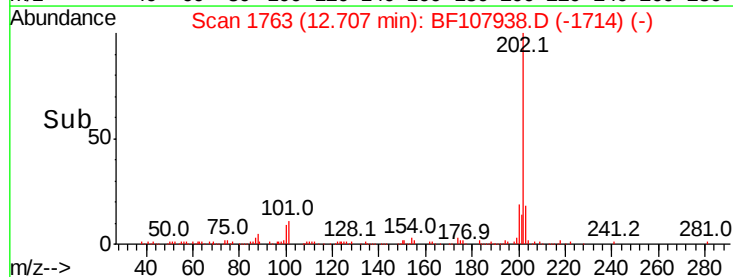
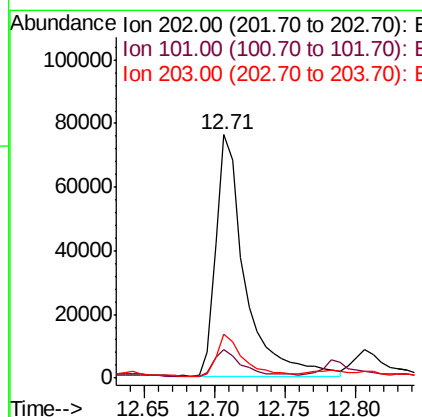
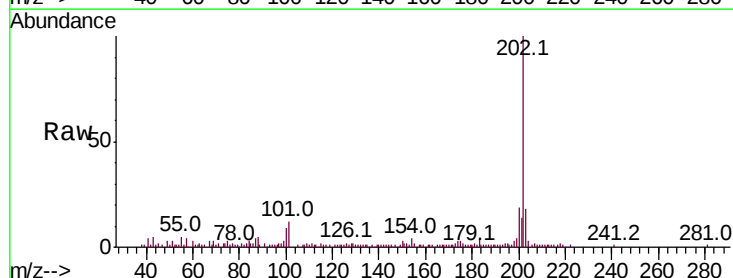
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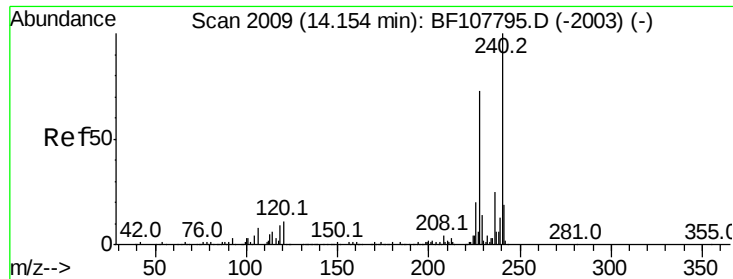
Sohil
 8/6/2018 5:05:23 PM



#74
 Fluoranthene
 Concen: 3.773 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107938.D
 Acq: 3 Aug 2018 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	110013		
101	11.5		0.0	34.1
203	18.2		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: BF107938.D

Acq: 3 Aug 2018 15:29

Instrument :

BNA_F

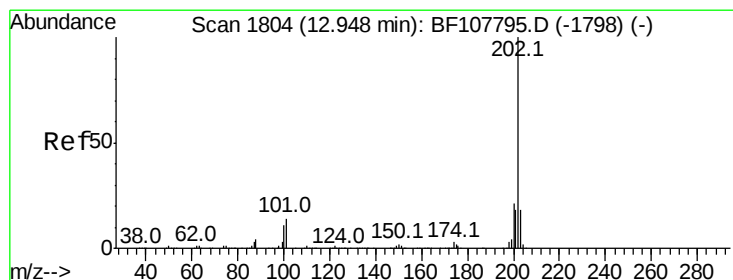
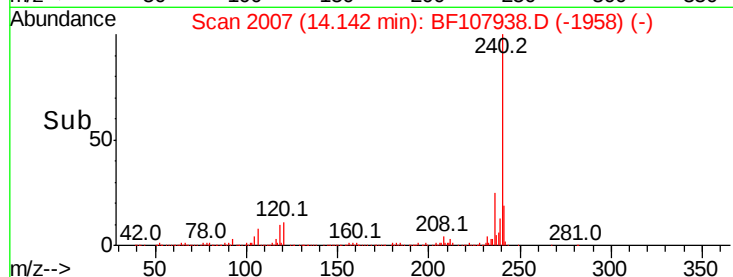
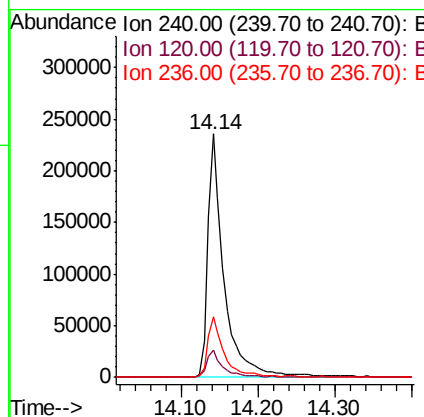
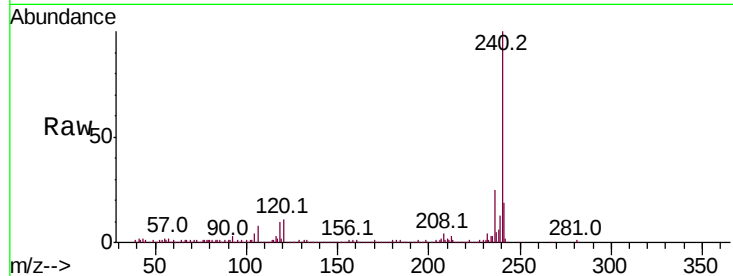
ClientSampleId :

DUP-073118

Tot Ion:	240	Resp:	342861
Ion Ratio	Lower	Upper	
240	100		
120	11.4	9.5	14.3
236	25.1	20.7	31.1

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#77

Pyrene

Concen: 4.669 ng

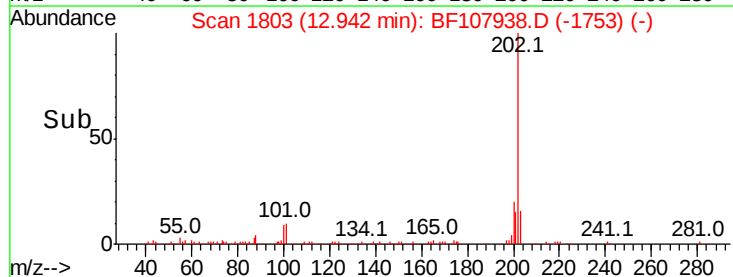
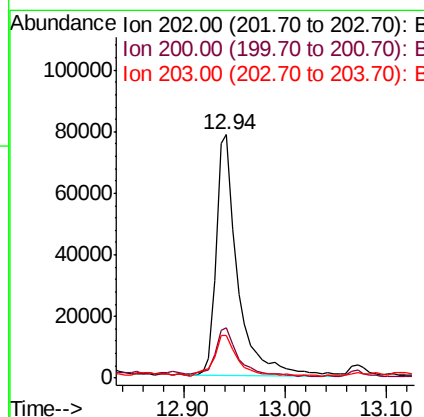
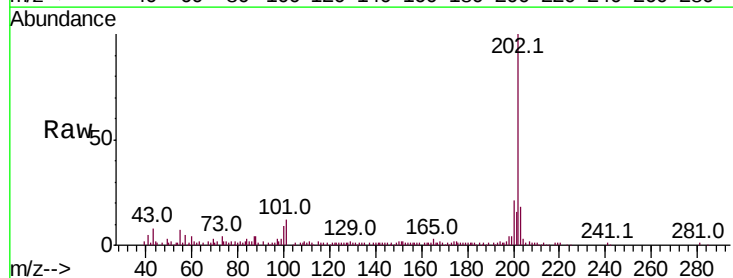
RT: 12.94 min Scan# 1803

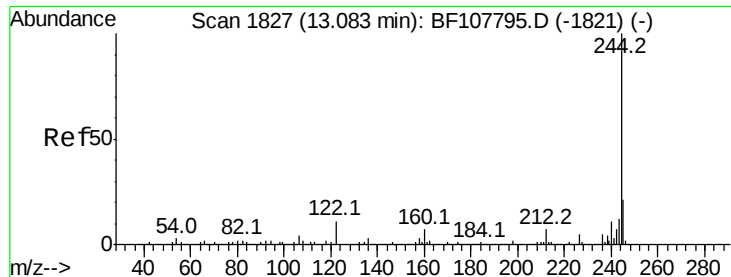
Delta R.T. -0.01 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Tgt Ion:	202	Resp:	115283
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.4	26.2
203	17.7	14.3	21.5





#78

Terphenyl-d14

Concen: 91.030 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

Instrument :

BNA_F

ClientSampleId :

DUP-073118

Tot Ion:244 Resp: 1439312

Ion Ratio Lower Upper

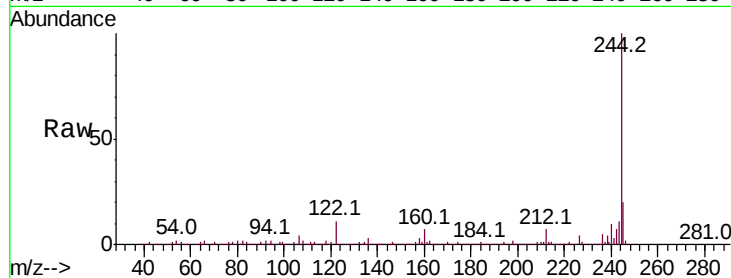
244 100

212 6.7 5.4 8.0

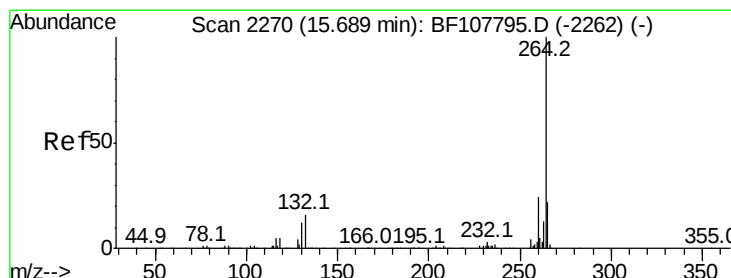
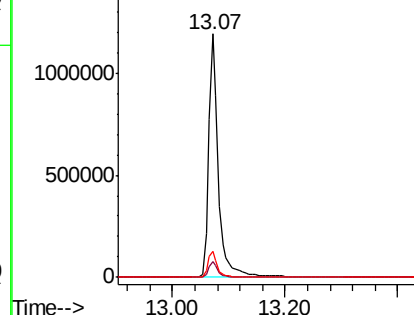
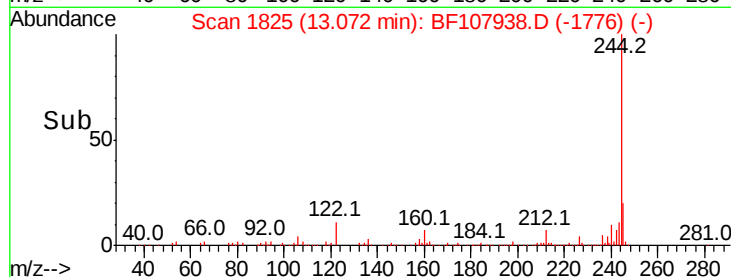
122 10.8 11.0 16.4#

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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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF107938.D

Acq: 3 Aug 2018 15:29

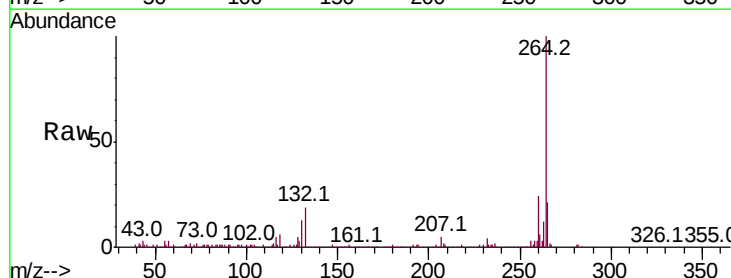
Tgt Ion:264 Resp: 379810

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.4 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

