

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
 Data File : BF107123.D
 Acq On : 5 Jul 2018 13:34
 Operator : JU/SJ
 Sample : J3853-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-10

Manual Integrations
 APPROVED

Sohil
 7/6/2018 11:38:03 AM

Quant Time: Jul 06 09:15:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	64032	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	242810	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	116858	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	198692	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	166339	20.00	ng	-0.02
86) Perylene-d12	15.68	264	137224	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	392330	103.75	ng	0.00
7) Phenol-d6	6.60	99	492307	104.25	ng	-0.02
23) Nitrobenzene-d5	7.51	82	318994	73.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	145814	107.66	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	573248	82.62	ng	-0.02
78) Terphenyl-d14	13.07	244	537192	78.23	ng	-0.02
Target Compounds						
10) Phenol	6.61	94	12934	2.400	ng	85
49) Dimethylphthalate	9.70	163	160772	18.344	ng	98
70) Phenanthrene	11.51	178	71763	7.488	ng	98
71) Anthracene	11.56	178	24039	2.458	ng	99
74) Fluoranthene	12.71	202	257109	24.341	ng	94
77) Pyrene	12.94	202	224714	20.486	ng	99
79) Butylbenzylphthalate	13.53	149	41895	9.290	ng	98
80) Benzo(a)anthracene	14.13	228	114814	11.325	ng	95
82) Chrysene	14.17	228	163875	17.570	ng	99
83) Bis(2-ethylhexyl)phthalate	14.08	149	65559	11.370	ng	99
85) Indeno(1,2,3-cd)pyrene	17.27	276	85635m	10.819	ng	
87) Benzo(b)fluoranthene	15.22	252	238009m	27.921	ng	
88) Benzo(k)fluoranthene	15.25	252	70861m	8.729	ng	
89) Benzo(a)pyrene	15.61	252	108809	14.359	ng	94
90) Dibenzo(a,h)anthracene	17.27	278	18671	2.907	ng	# 71
91) Benzo(g,h,i)perylene	17.75	276	78471	12.501	ng	# 91

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

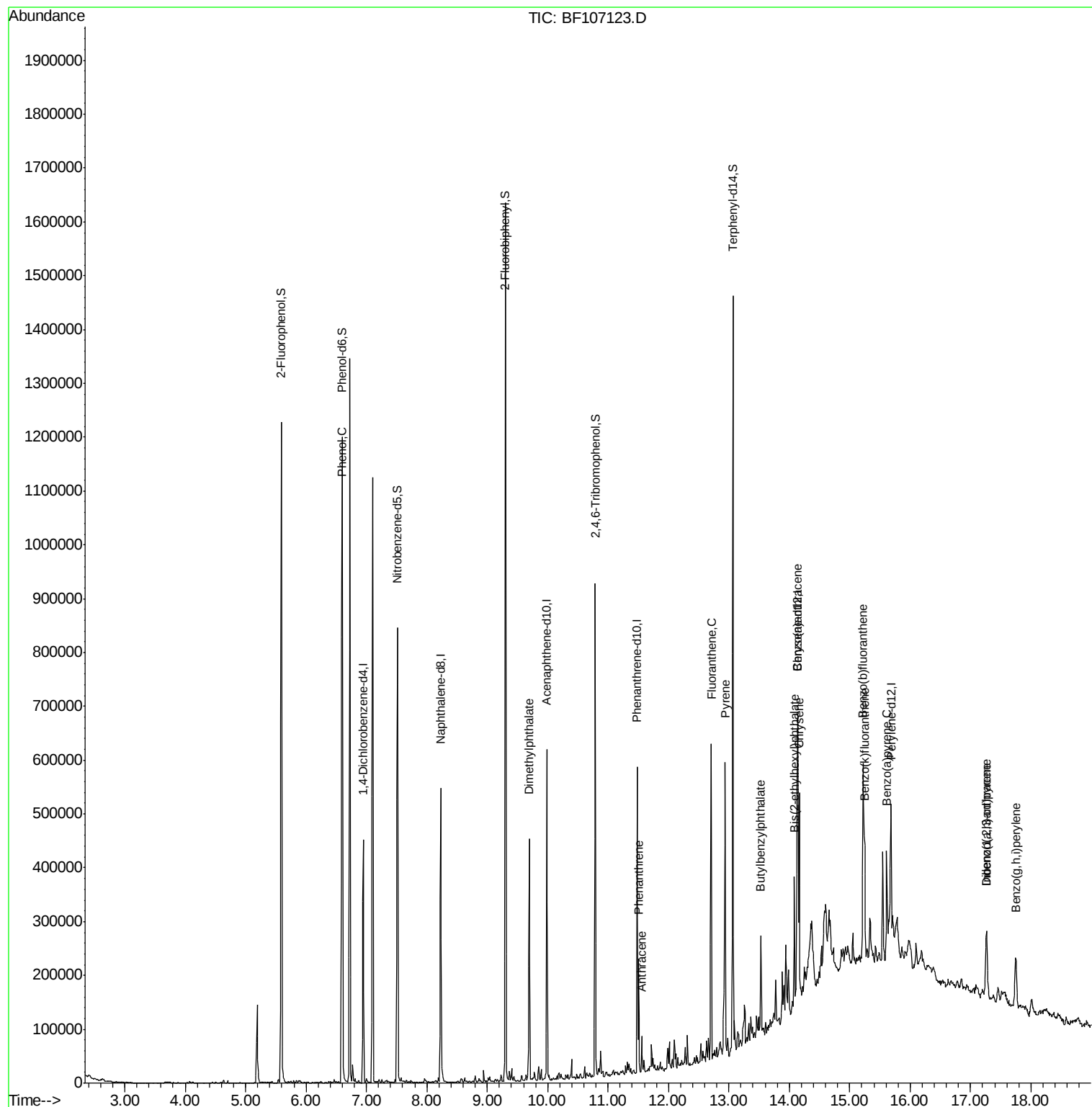
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
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#1

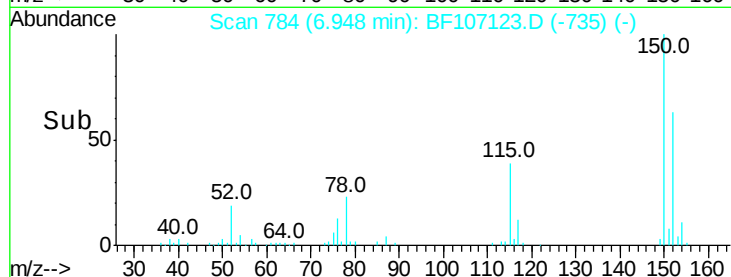
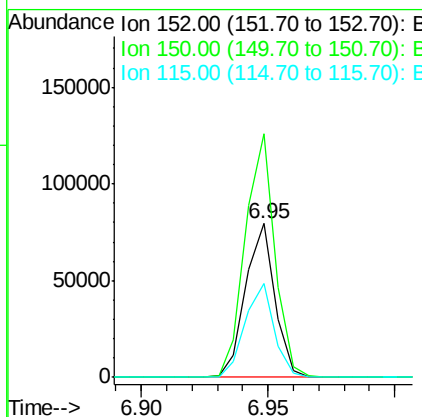
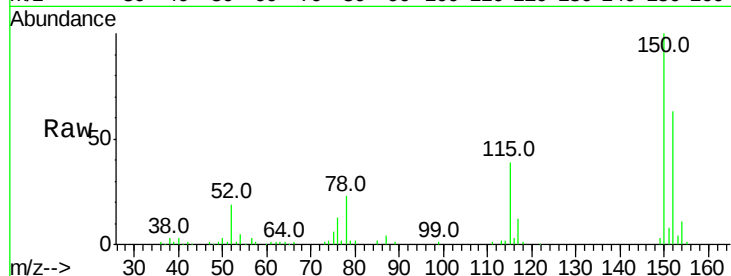
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107123.D
Acq: 5 Jul 2018 13:34

Instrument :
BNA_F
ClientSampled :
B-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	61.2	50.1	75.1

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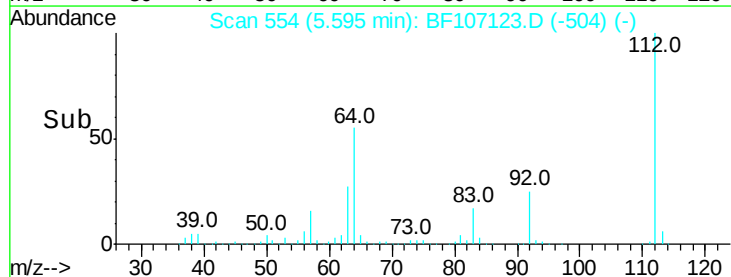
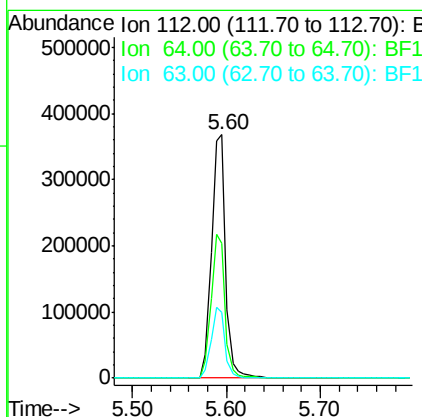
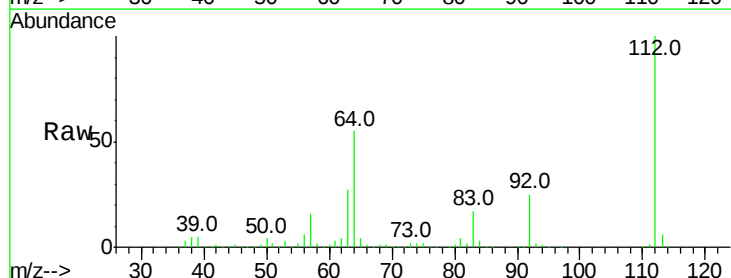
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#5

2-Fluorophenol
Concen: 103.751 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107123.D
Acq: 5 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	47.9	71.9
63	26.8	23.7	35.5





#7

Phenol-d6

Concen: 104.252 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

Instrument :

BNA_F

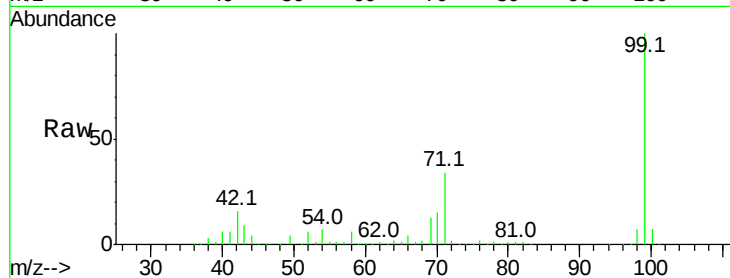
ClientSampled :

B-10

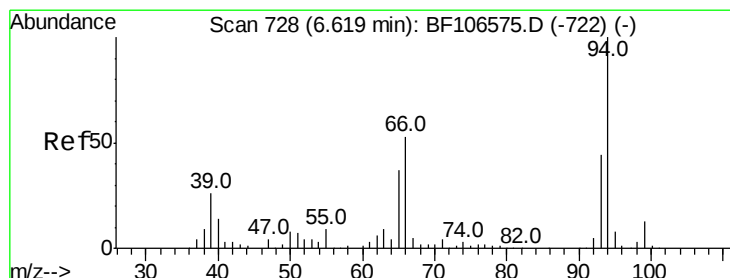
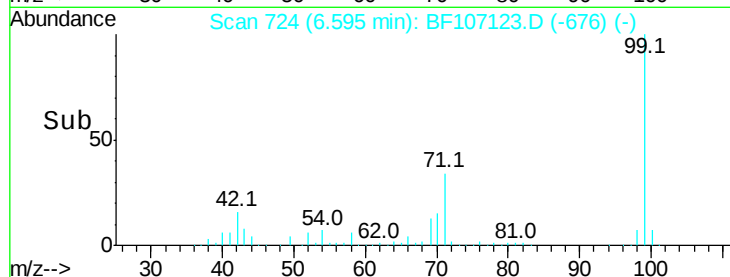
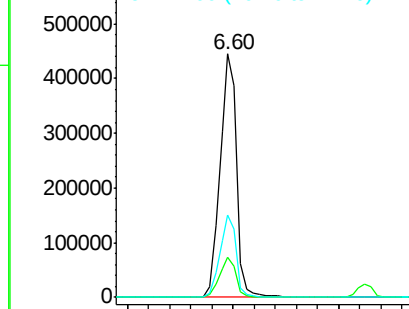
Tot Ion:	99	Resp:	492307
Ion Ratio	Lower	Upper	
99	100		
42	16.5	14.5	21.7
71	34.0	25.4	38.0

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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



#10

Phenol

Concen: 2.400 ng

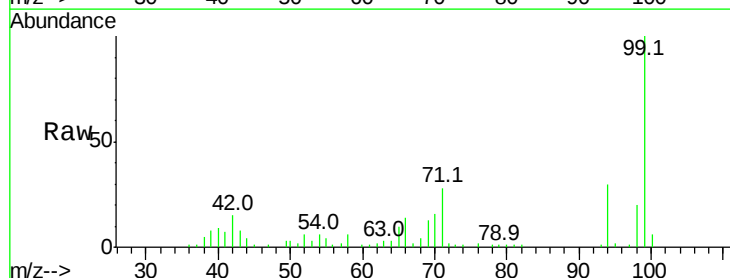
RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

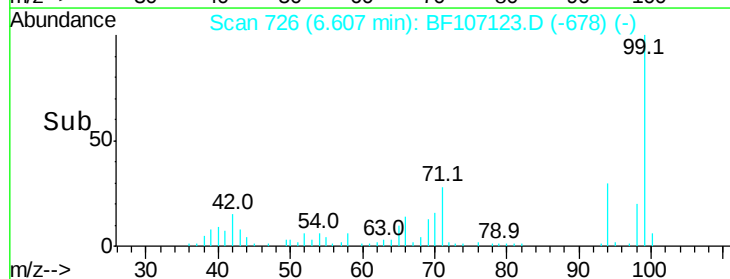
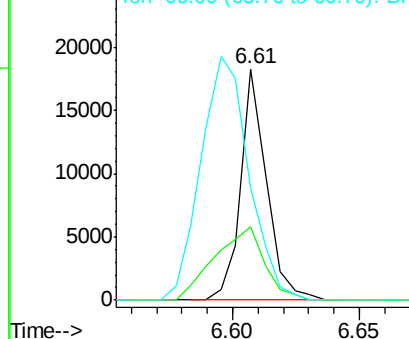
Lab File: BF107123.D

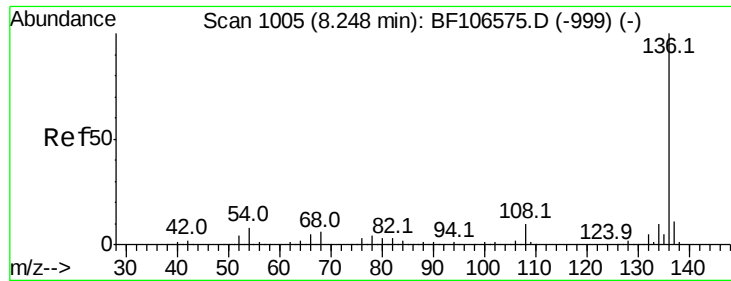
Acq: 5 Jul 2018 13:34

Tgt Ion:	94	Resp:	12934
Ion Ratio	Lower	Upper	
94	100		
65	31.9	7.9	47.9
66	48.3	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





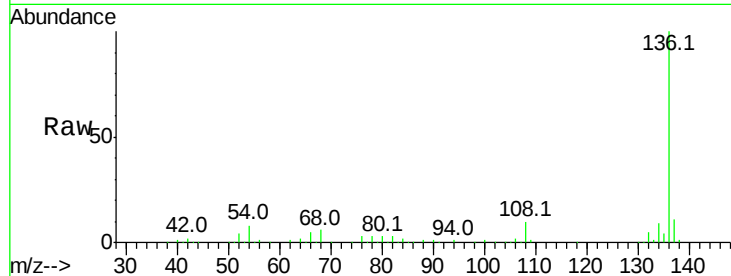
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107123.D
Acq: 5 Jul 2018 13:34

Instrument :
BNA_F
ClientSampleId :
B-10

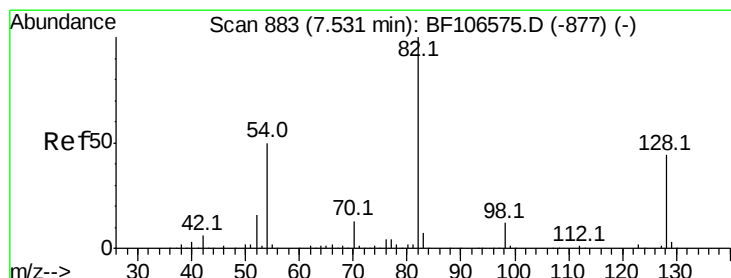
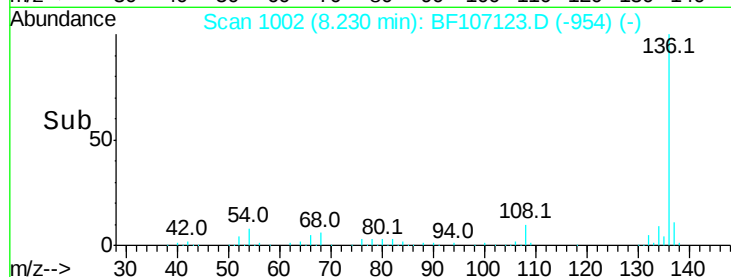
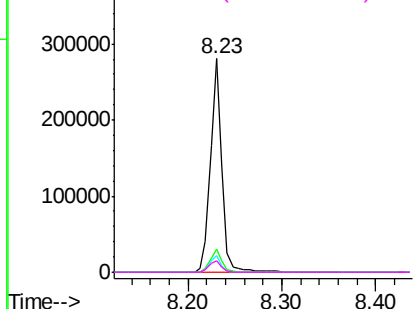
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		242810		
137	10.5		8.9	13.3	
54	7.5		6.6	9.8	
68	5.7		5.0	7.4	

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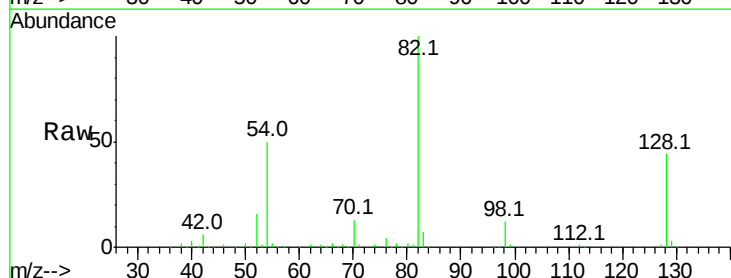


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

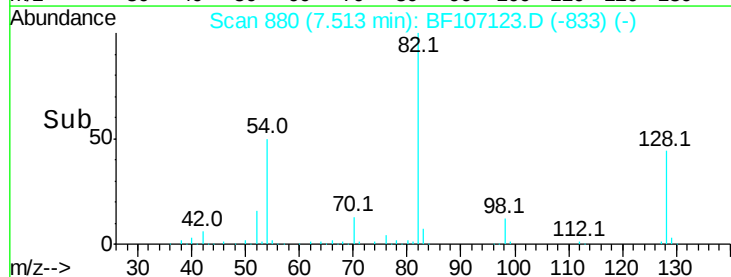
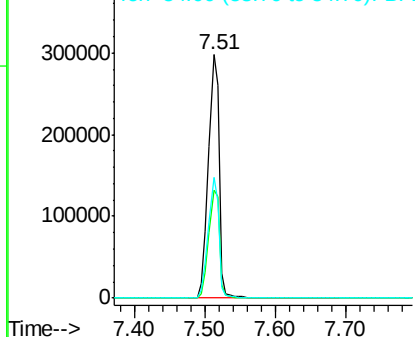


#23
Nitrobenzene-d5
Concen: 73.010 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107123.D
Acq: 5 Jul 2018 13:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		318994		
128	44.1		36.1	54.1	
54	49.7		41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





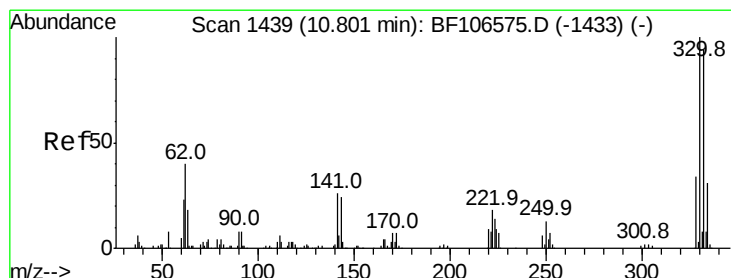
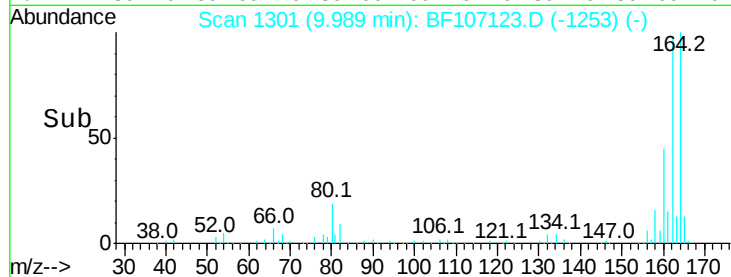
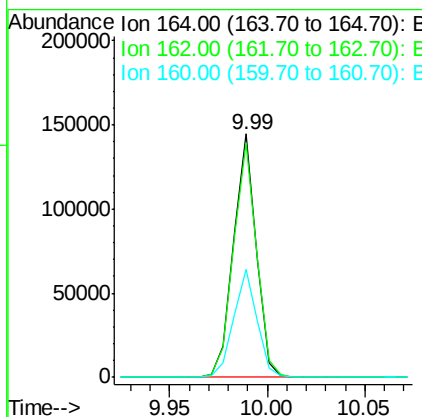
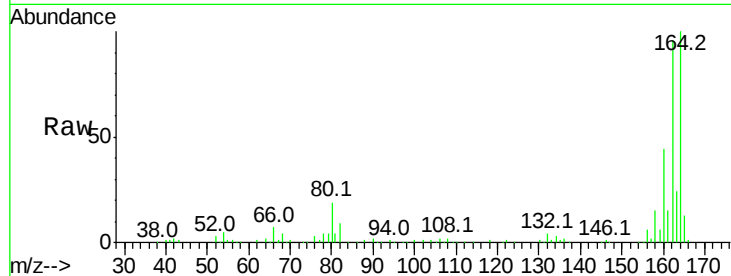
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107123.D
 Acq: 5 Jul 2018 13:34

Instrument :
 BNA_F
 ClientSampled :
 B-10

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	96.4	86.1	129.1	
160	44.1	38.3	57.5	

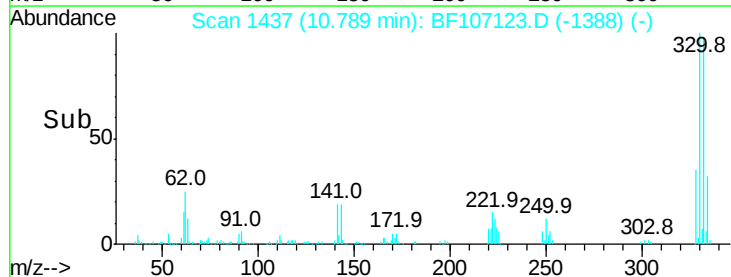
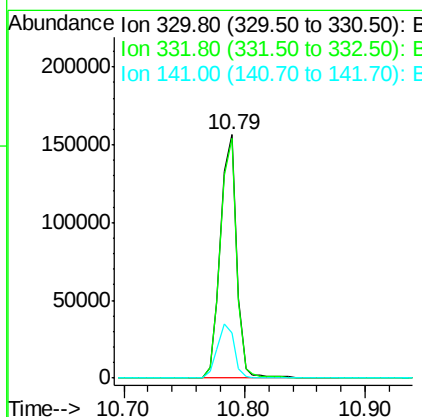
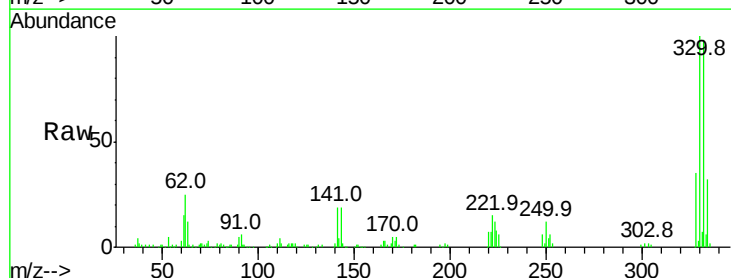
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#41
 2,4,6-Tribromophenol
 Concen: 107.658 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107123.D
 Acq: 5 Jul 2018 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.3	77.0	115.6	
141	23.6	29.9	44.9#	





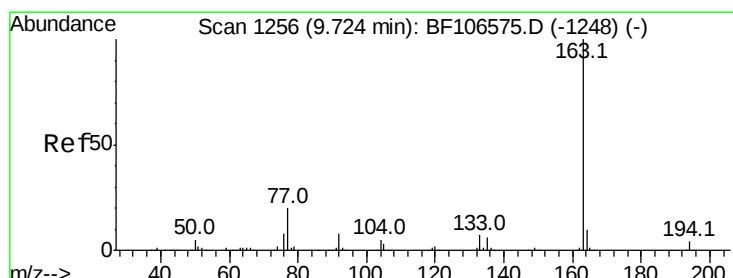
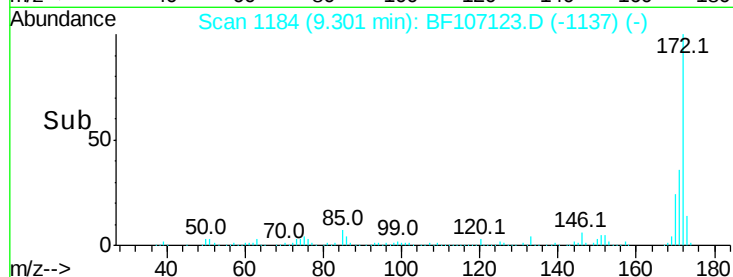
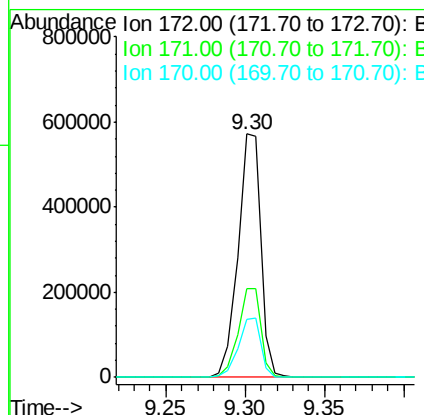
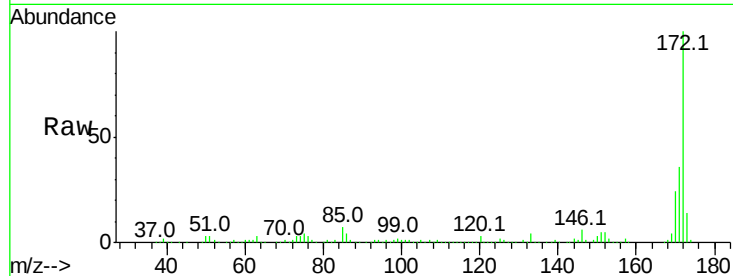
#44
2-Fluorobiphenyl
Concen: 82.619 ng
RT: 9.30 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF107123.D
Acq: 5 Jul 2018 13:34

Instrument :
BNA_F
ClientSampleId :
B-10

Tot Ion	Ratio	Resp	Lower	Upper
172	100	573248		
171	36.4		29.7	44.5
170	24.1		19.6	29.4

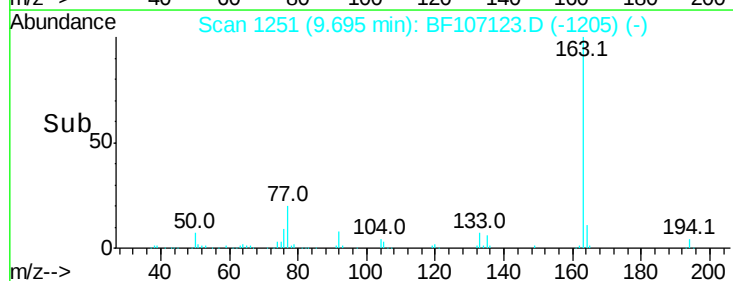
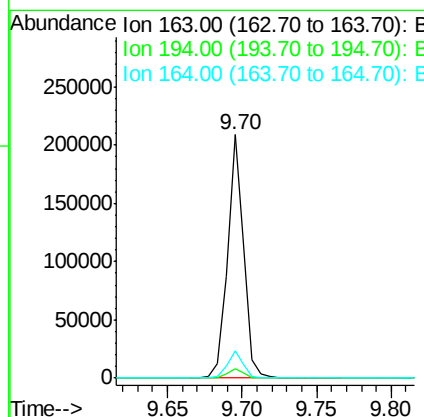
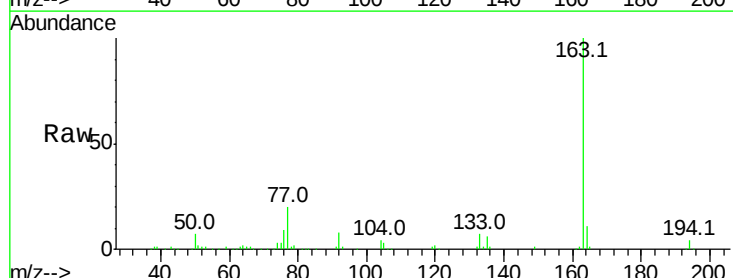
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#49
Dimethylphthalate
Concen: 18.344 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107123.D
Acq: 5 Jul 2018 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	160772		
194	3.7		2.7	4.1
164	11.0		8.2	12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1555

Delta R.T. -0.02 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

Instrument :

BNA_F

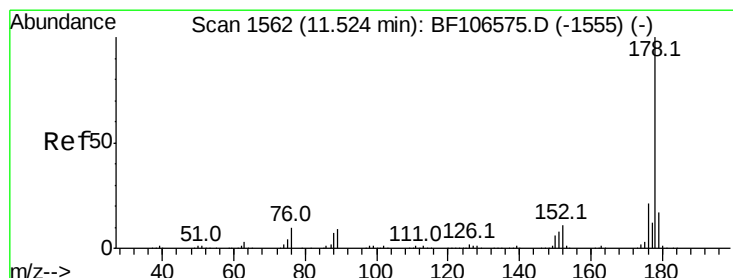
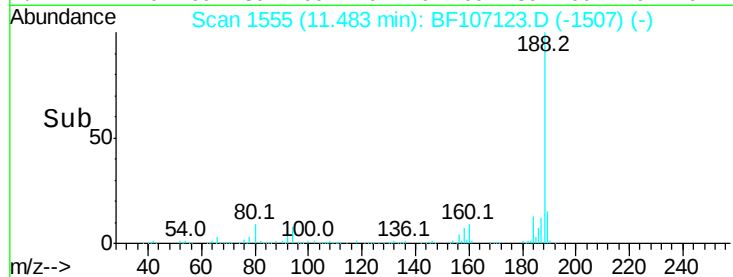
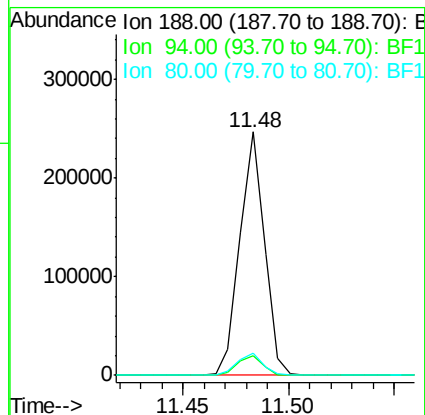
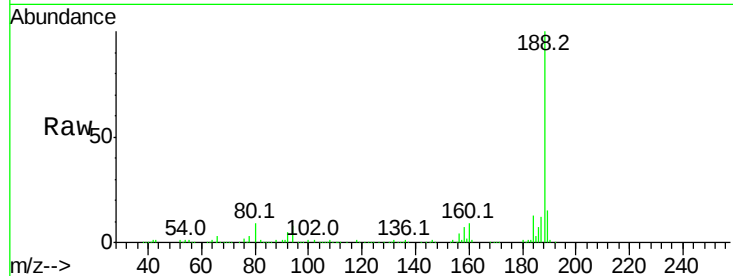
ClientSampled :

B-10

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.0	8.5	12.7#
80	9.0	9.2	13.8#

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#70

Phenanthrene

Concen: 7.488 ng

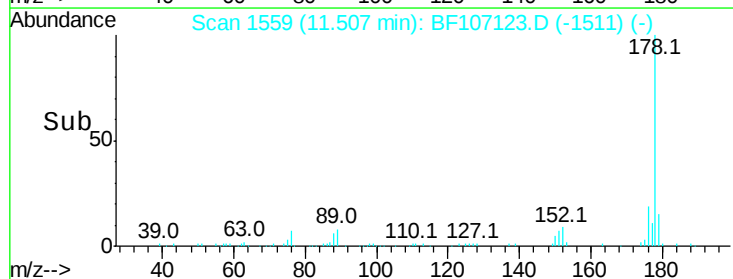
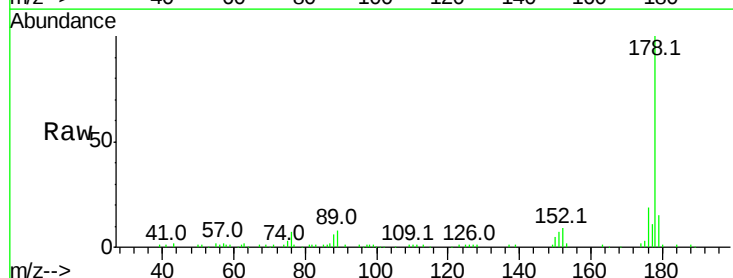
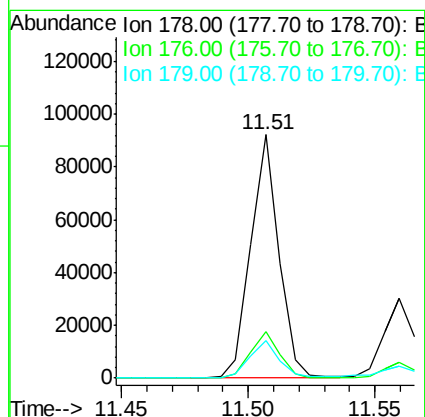
RT: 11.51 min Scan# 1559

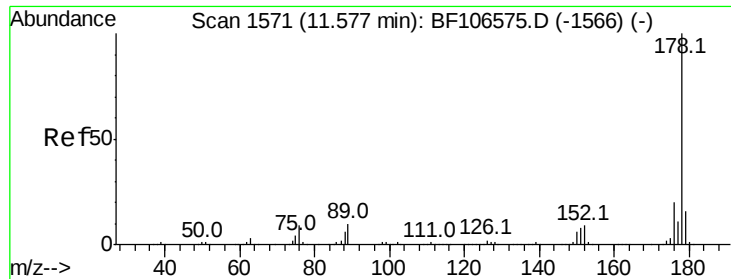
Delta R.T. -0.02 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.3	13.0	19.6





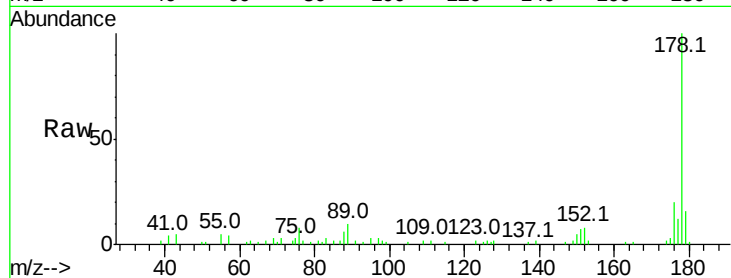
#71
 Anthracene
 Concen: 2.458 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF107123.D
 Acq: 5 Jul 2018 13:34

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.2
179	15.7	12.6	19.0

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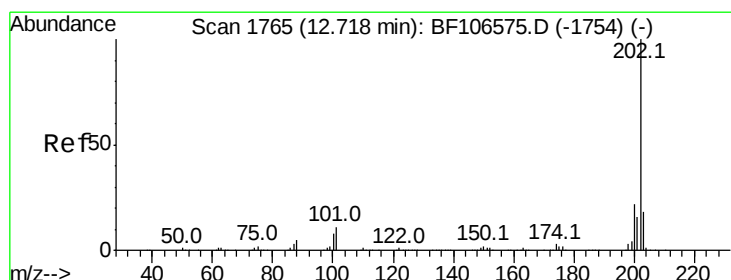
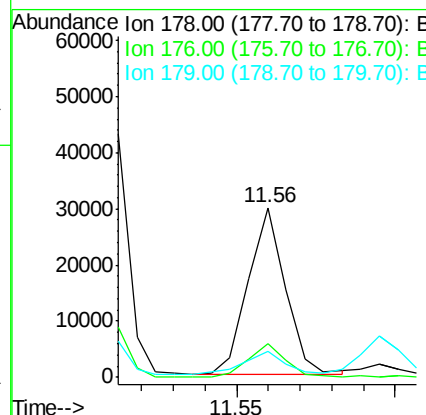
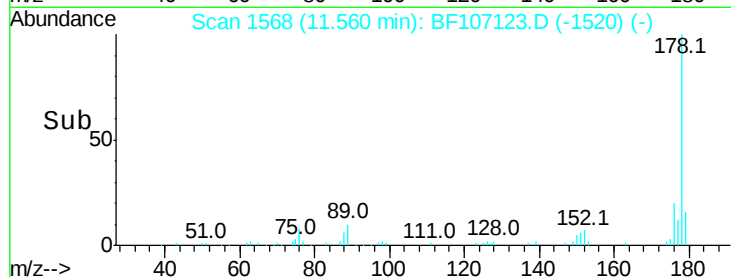


Abundance

Ion 178.00 (177.70 to 178.70): E

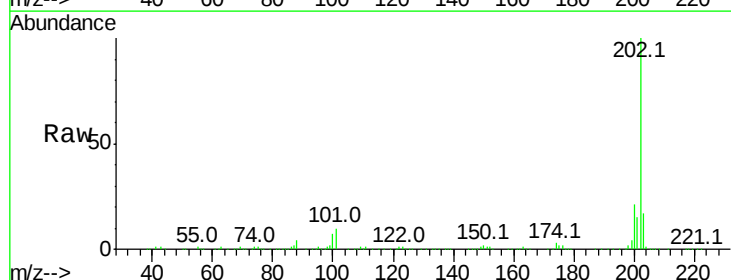
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
 Fluoranthene
 Concen: 24.341 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107123.D
 Acq: 5 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	34.1
203	17.5	0.0	38.1

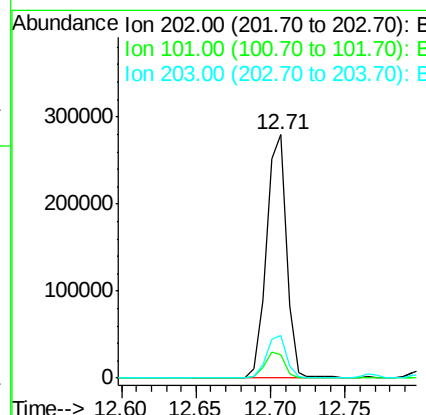
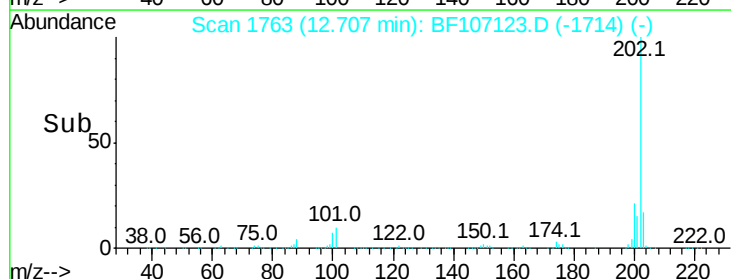


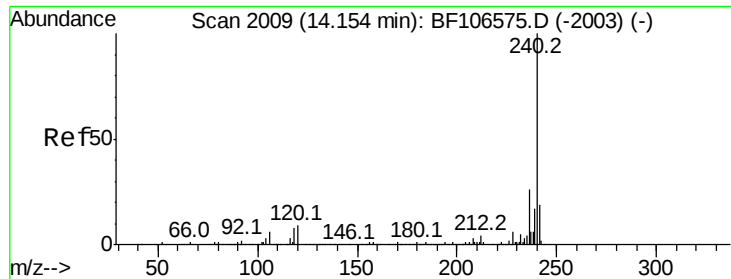
Abundance

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





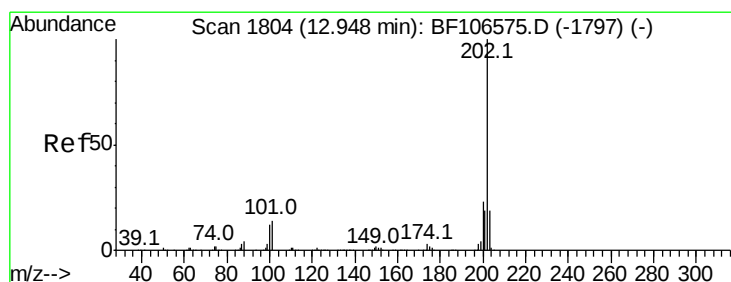
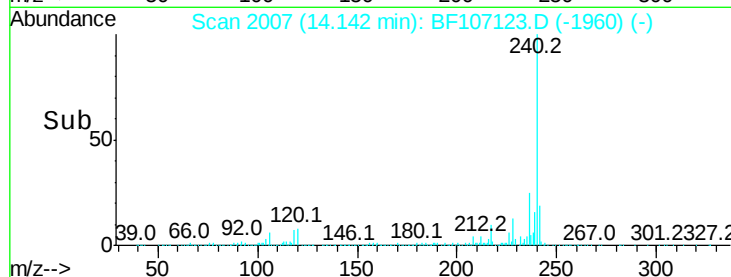
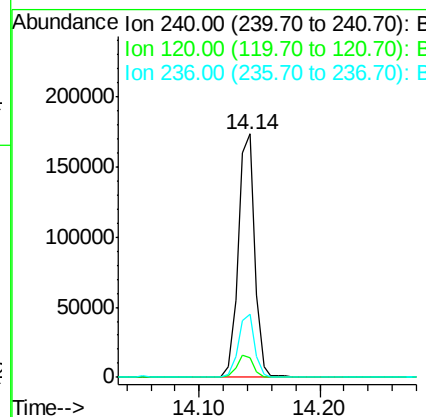
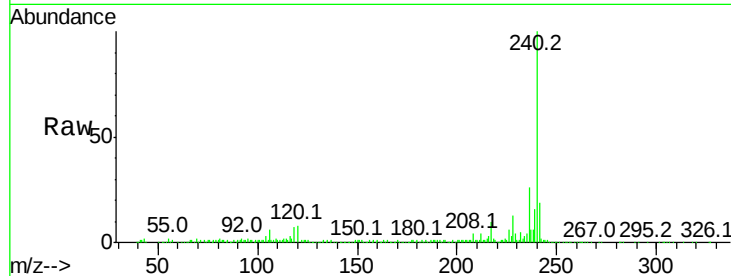
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF107123.D
Acq: 5 Jul 2018 13:34

Instrument :
BNA_F
ClientSampleId :
B-10

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	8.2	9.5	14.3	
236	25.7	20.7	31.1	

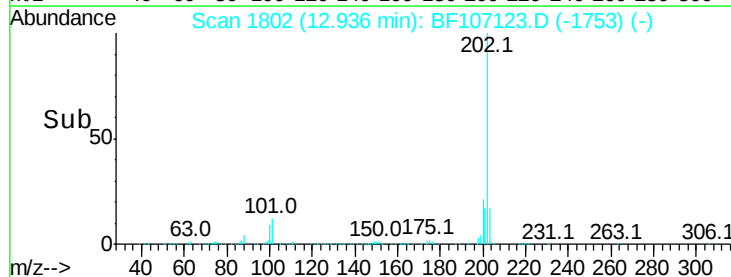
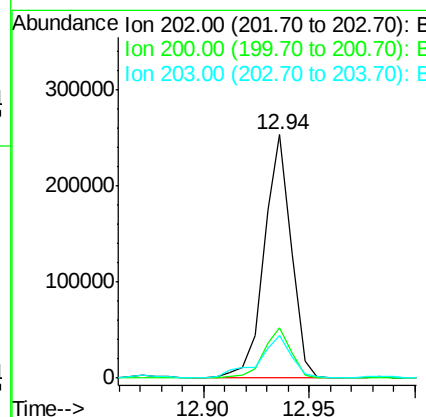
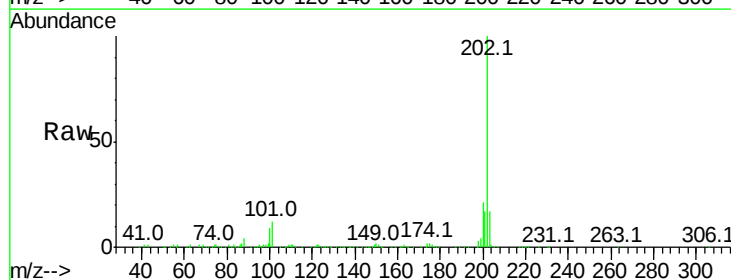
Manual Integrations
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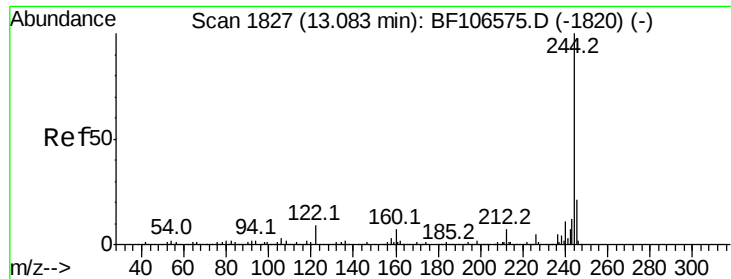
Sohil
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#77
Pyrene
Concen: 20.486 ng
RT: 12.94 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF107123.D
Acq: 5 Jul 2018 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.9	17.4	26.2	
203	17.5	14.3	21.5	





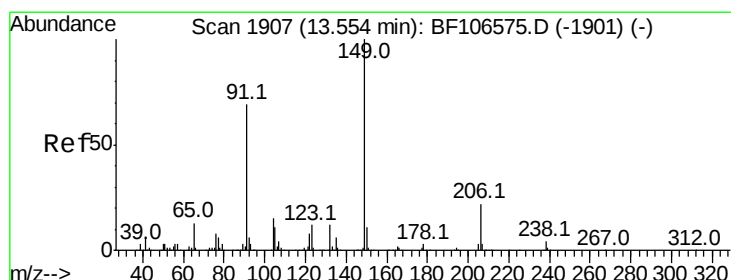
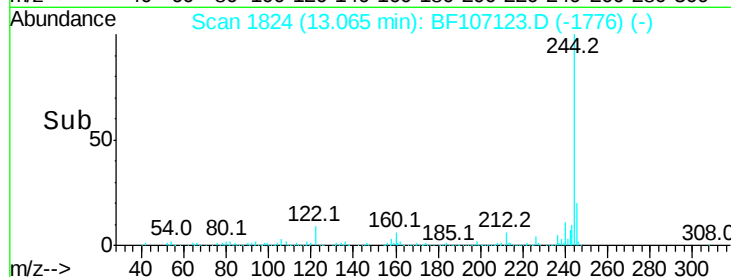
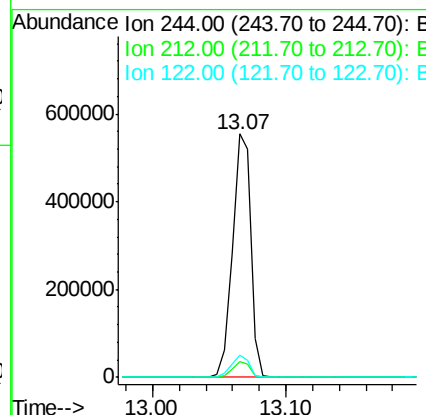
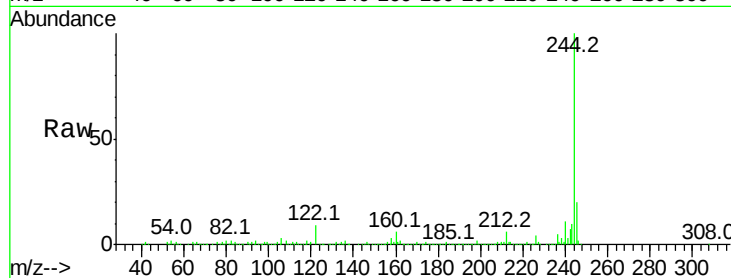
#78
 Terphenyl-d14
 Concen: 78.228 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107123.D
 Acq: 5 Jul 2018 13:34

Instrument :
 BNA_F
 ClientSampled :
 B-10

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.3	11.0	16.4

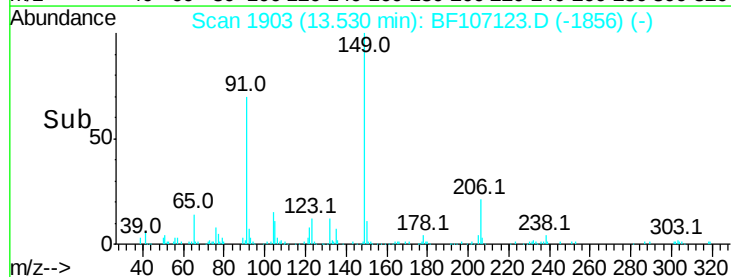
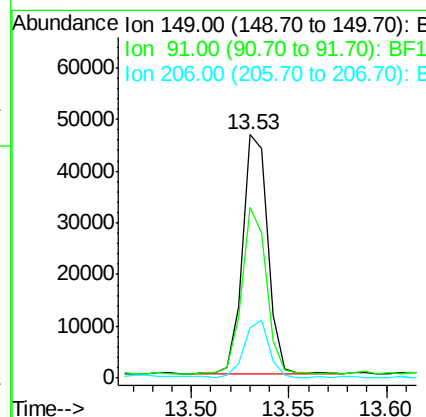
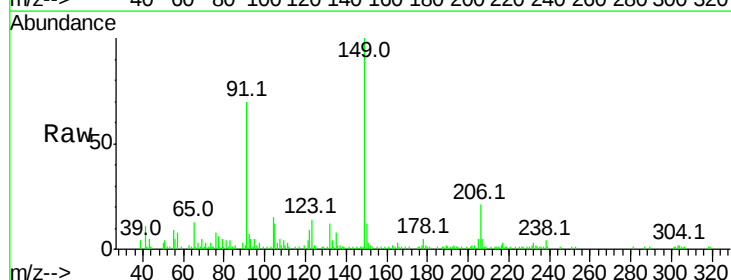
Manual Integrations
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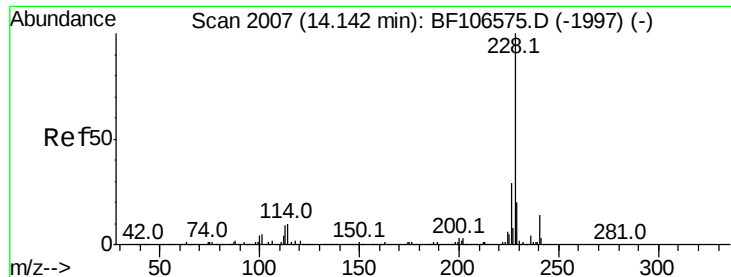
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#79
 Butylbenzylphthalate
 Concen: 9.290 ng
 RT: 13.53 min Scan# 1903
 Delta R.T. -0.02 min
 Lab File: BF107123.D
 Acq: 5 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
149	100		
91	70.3	56.8	85.2
206	20.5	14.1	21.1





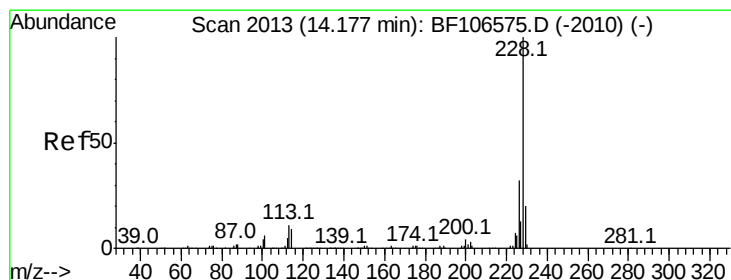
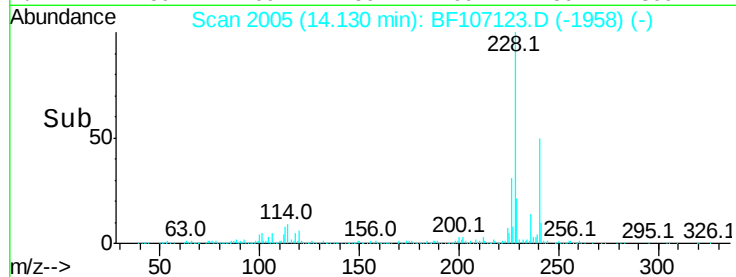
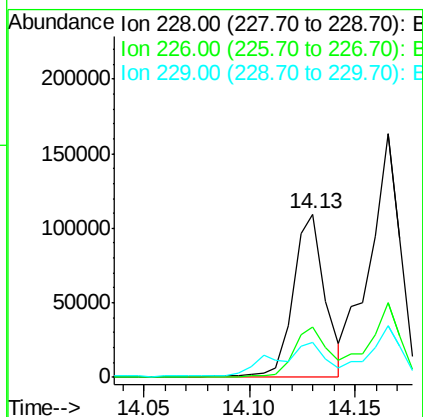
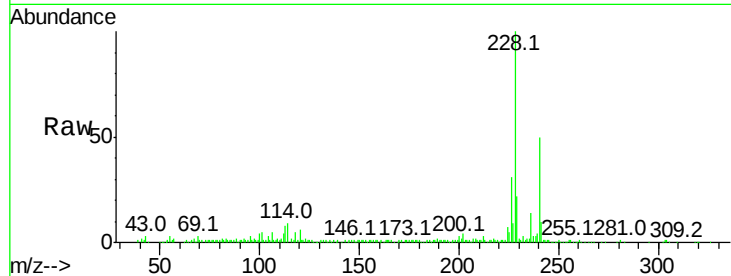
#80
Benzo(a)anthracene
Concen: 11.325 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF107123.D
Acq: 5 Jul 2018 13:34

Instrument :
BNA_F
ClientSampleId :
B-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	21.5	15.8	23.6

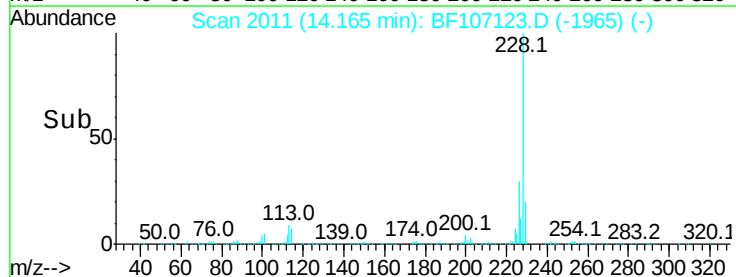
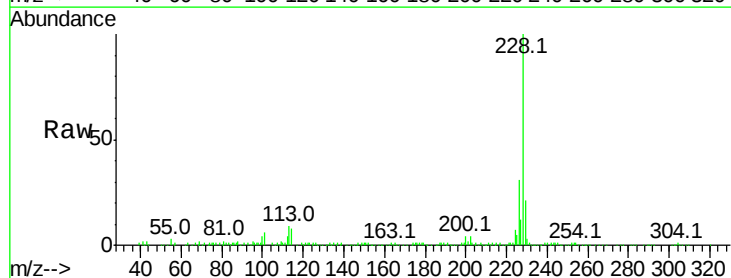
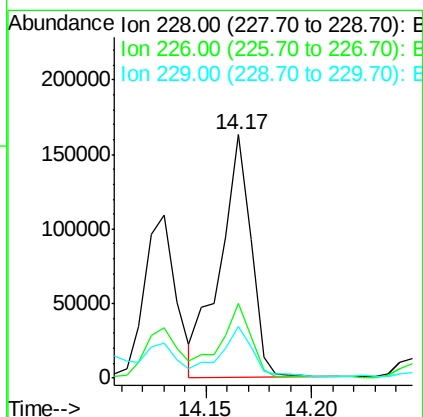
Manual Integrations
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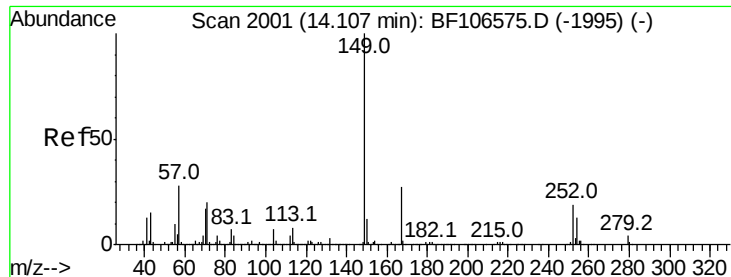
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#82
Chrysene
Concen: 17.570 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF107123.D
Acq: 5 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	21.2	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 11.370 ng

RT: 14.08 min Scan# 1997

Delta R.T. -0.03 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

Instrument :

BNA_F

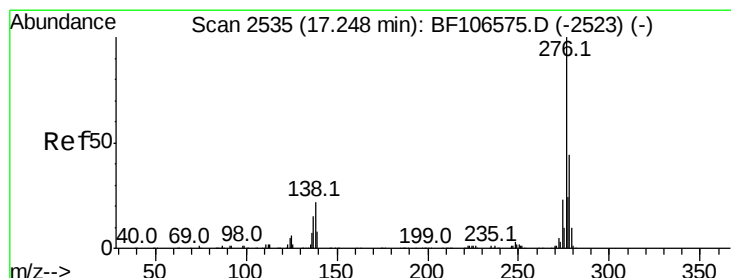
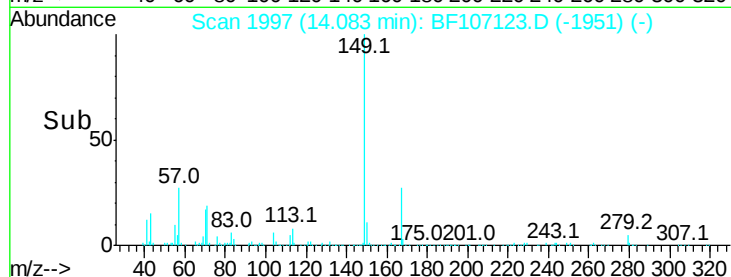
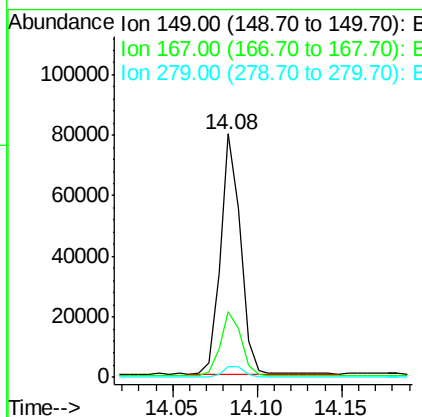
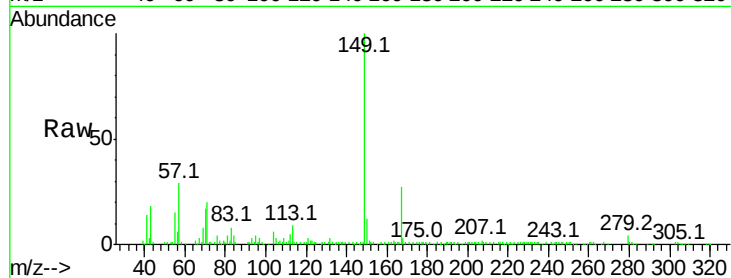
ClientSampled :

B-10

Tot Ion:	149	Resp:	65559
Ion Ratio	Lower	Upper	
149	100		
167	27.2	21.3	31.9
279	4.4	3.0	4.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 10.819 ng m

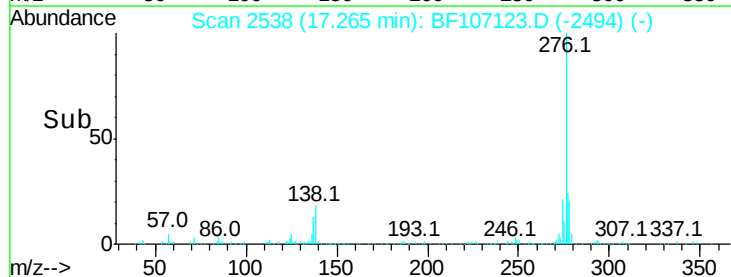
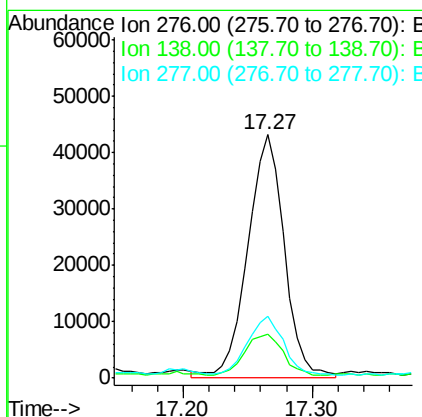
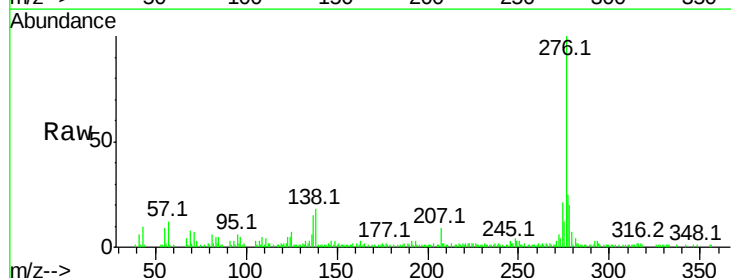
RT: 17.27 min Scan# 2538

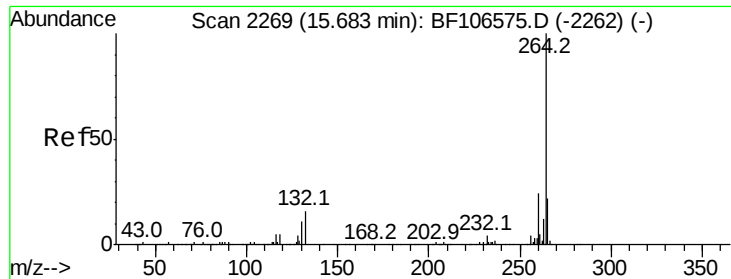
Delta R.T. -0.04 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

Tgt Ion:	276	Resp:	85635
Ion Ratio	Lower	Upper	
276	100		
138	0.9	25.0	37.6#
277	0.9	20.1	30.1#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.04 min

Lab File: BF107123.D

Acq: 5 Jul 2018 13:34

Instrument :

BNA_F

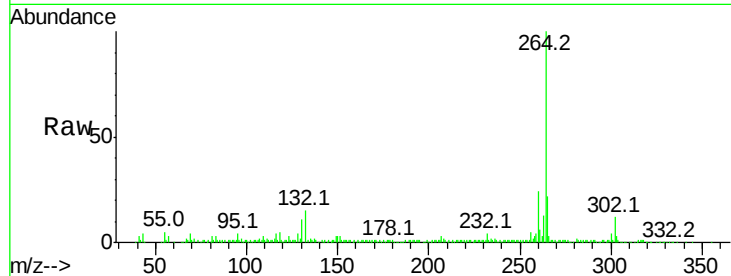
ClientSampled :

B-10

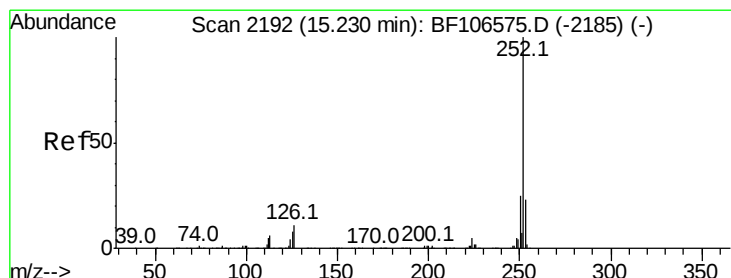
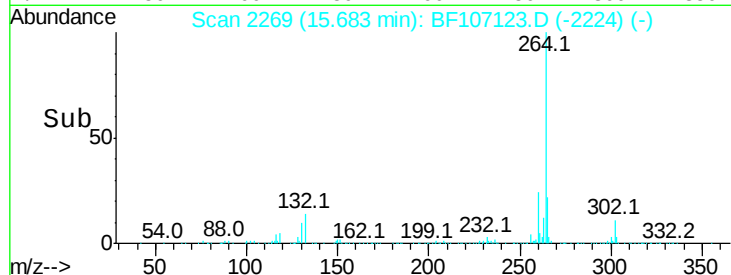
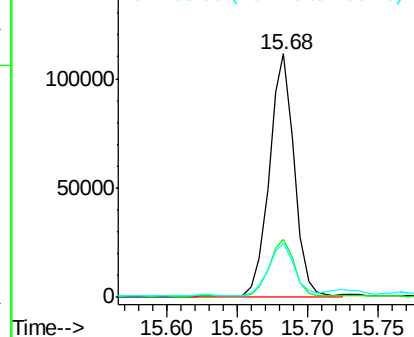
Tot Ion:	264	Resp:	137224
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.2	28.8
265	22.2	17.5	26.3

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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



#87

Benzo(b)fluoranthene

Concen: 27.921 ng m

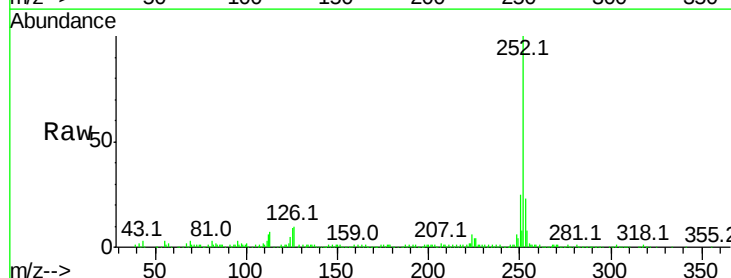
RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

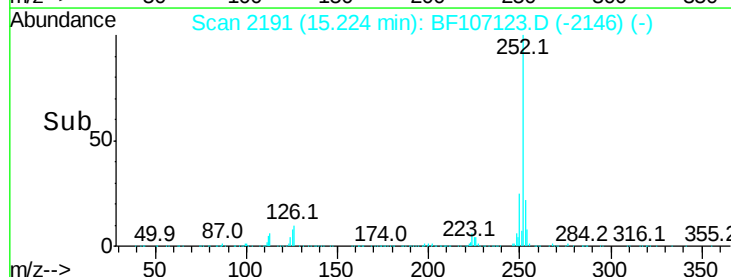
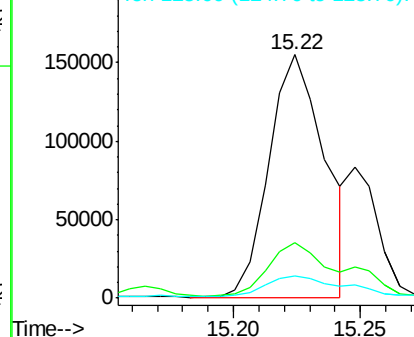
Lab File: BF107123.D

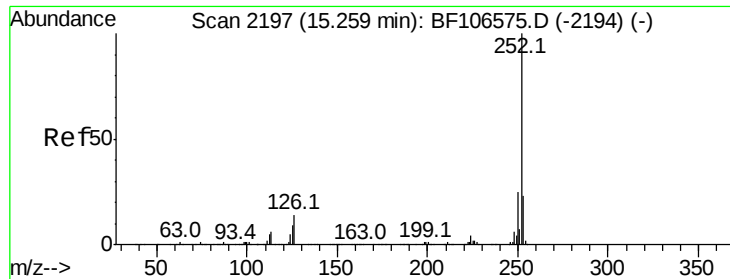
Acq: 5 Jul 2018 13:34

Tgt Ion:	252	Resp:	238009
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.6
125	9.0	9.0	13.6



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





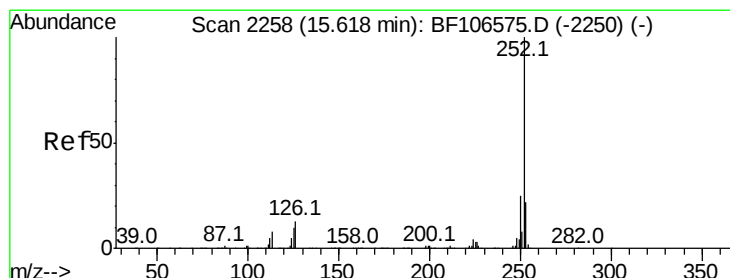
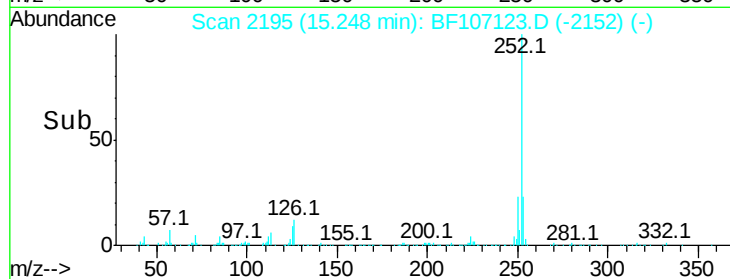
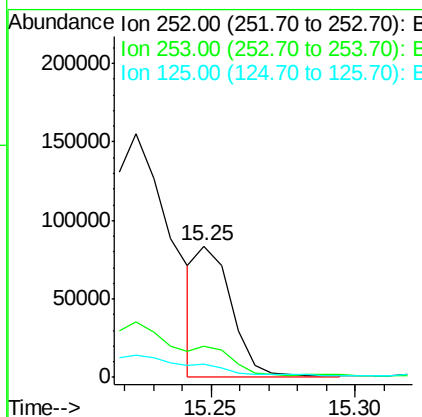
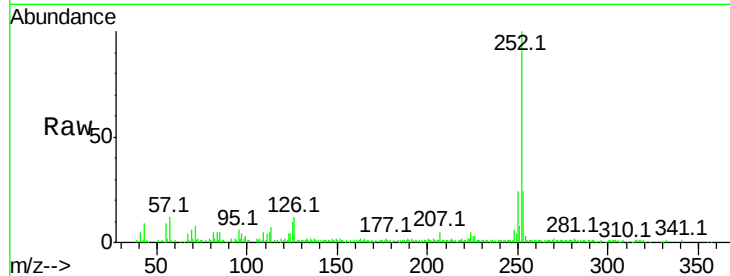
#88
Benzo(k)fluoranthene
Concen: 8.729 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF107123.D
Acq: 5 Jul 2018 13:34

Instrument :
BNA_F
ClientSampled :
B-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	10.3	10.2	15.2

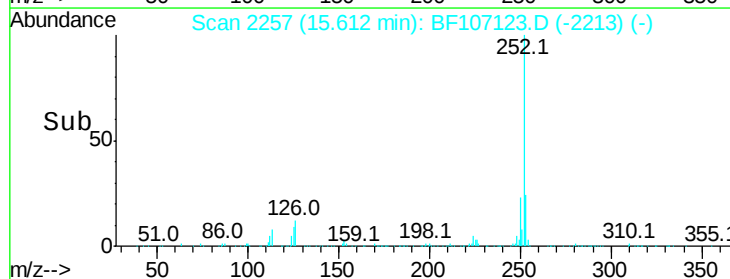
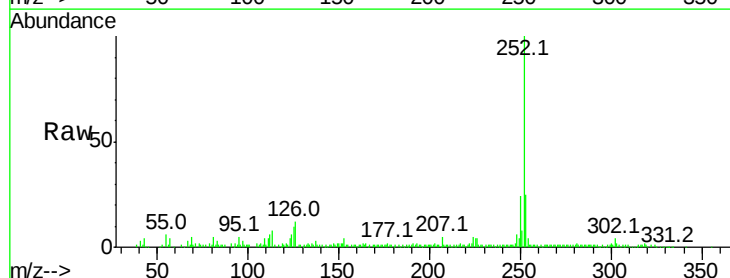
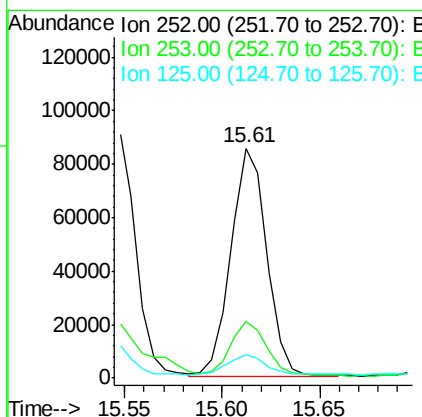
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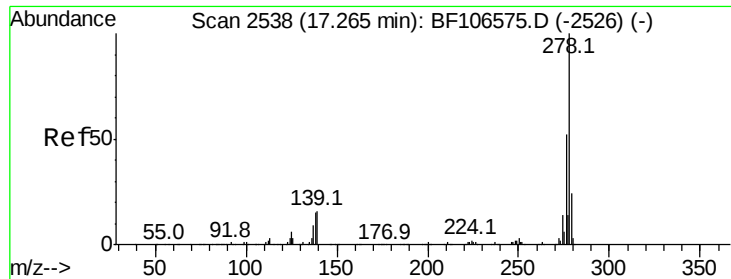
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#89
Benzo(a)pyrene
Concen: 14.359 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF107123.D
Acq: 5 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	10.3	9.8	14.6





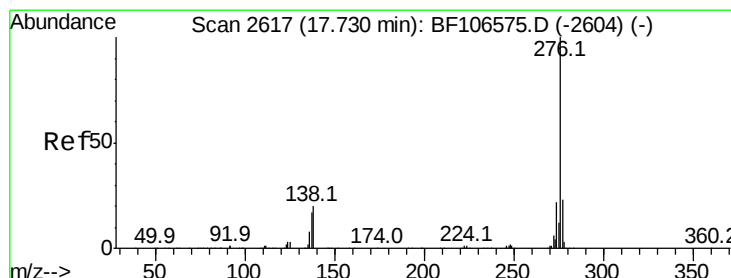
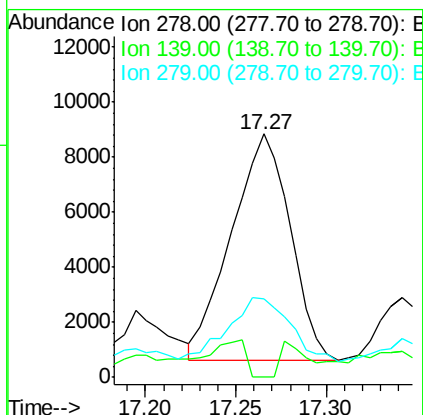
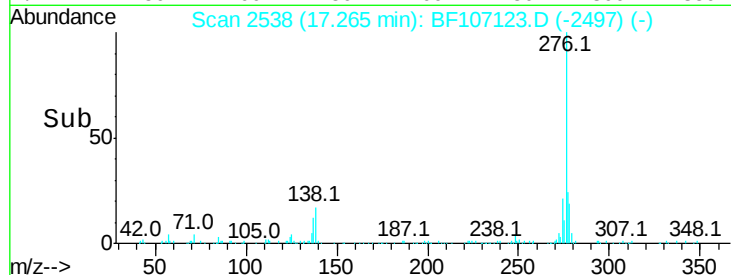
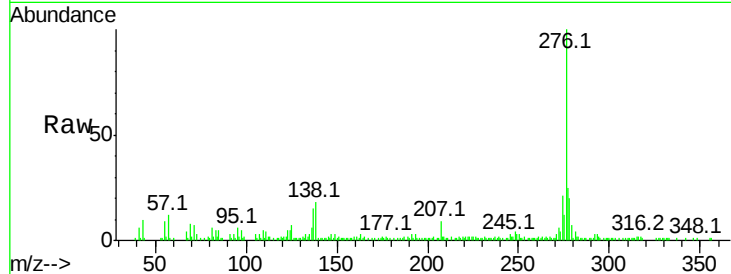
#90
Dibenzo(a,h)anthracene
Concen: 2.907 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.06 min
Lab File: BF107123.D
Acq: 5 Jul 2018 13:34

Instrument :
BNA_F
ClientSampled :
B-10

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	32.0	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 12.501 ng
RT: 17.75 min Scan# 2621
Delta R.T. -0.04 min
Lab File: BF107123.D
Acq: 5 Jul 2018 13:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	17.9	26.9
138	19.1	21.8	32.8#

