

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
 Data File : BF107590.D
 Acq On : 23 Jul 2018 16:11
 Operator : JU/SJ
 Sample : J4030-05 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB6-12-7

Manual Integrations
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Quant Time: Jul 23 18:52:04 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	6.97	152	297804	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	1108497	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	410532	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	701806	20.00	ng	0.00
75) Chrysene-d12	14.17	240	514000	20.00	ng	0.00
86) Perylene-d12	15.72	264	402168	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	791357	42.72	ng	0.00
7) Phenol-d6	6.60	99	1009019	45.37	ng	-0.01
23) Nitrobenzene-d5	7.54	82	595587	36.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	208470	44.66	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1092829	38.22	ng	0.00
78) Terphenyl-d14	13.10	244	869104	43.29	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.72	163	222923	7.205	ng	100
70) Phenanthrene	11.54	178	237606	6.948	ng	98
71) Anthracene	11.59	178	71647m	2.081	ng	
74) Fluoranthene	12.74	202	387066	10.547	ng	95
77) Pyrene	12.97	202	386884	11.004	ng	96
80) Benzo(a)anthracene	14.17	228	156880	5.208	ng	# 96
82) Chrysene	14.20	228	157892m	5.457	ng	
83) Bis(2-ethylhexyl)phthalate	14.13	149	59789	2.803	ng	# 87
85) Indeno(1,2,3-cd)pyrene	17.31	276	67982	2.772	ng	96
87) Benzo(b)fluoranthene	15.26	252	143564m	6.523	ng	
88) Benzo(k)fluoranthene	15.28	252	62631m	2.904	ng	
89) Benzo(a)pyrene	15.65	252	101625	5.048	ng	# 39
91) Benzo(a,h,i)perylene	17.79	276	75616	4.405	ng	# 84

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

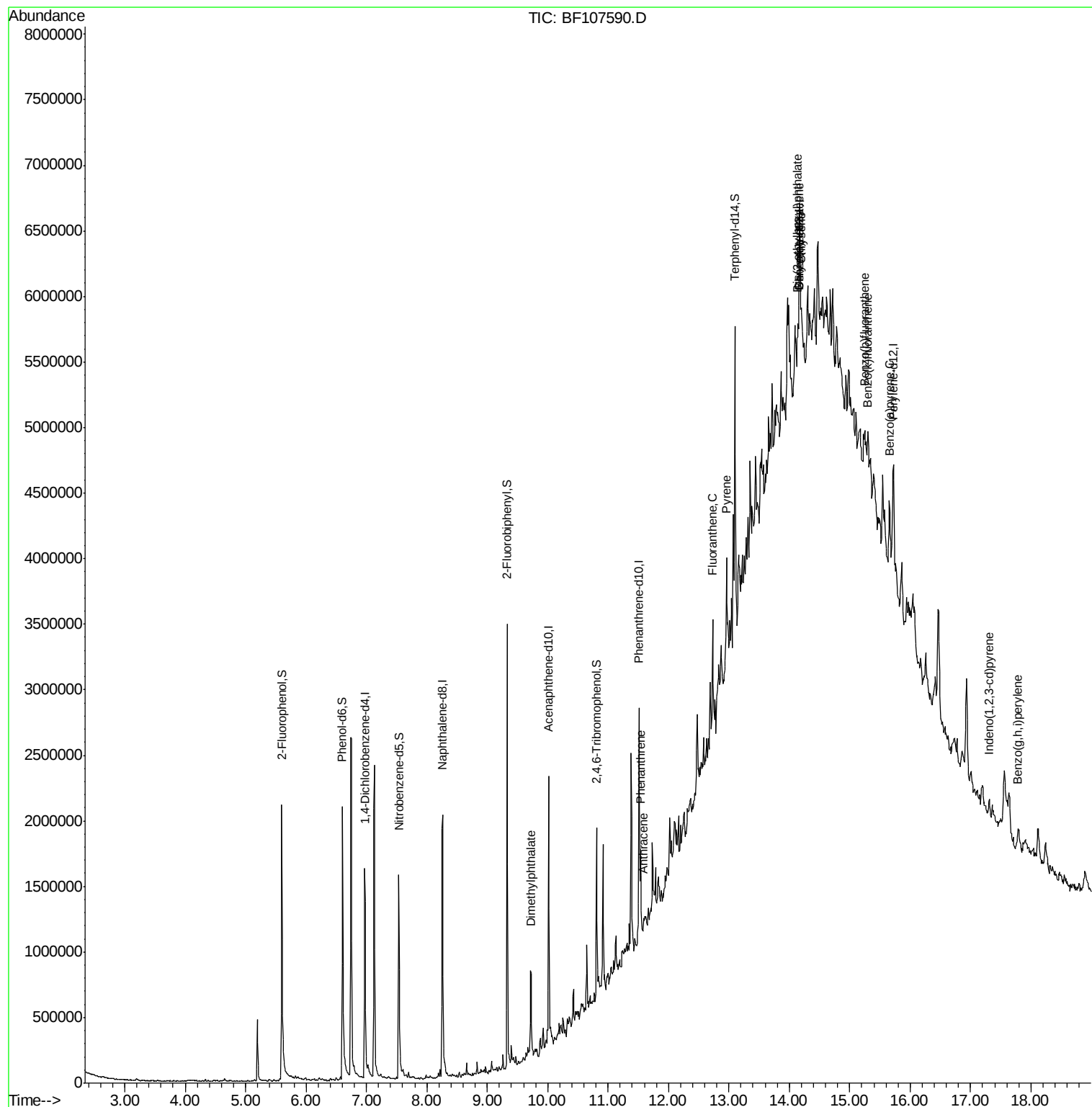
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
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ALS Vial : 12 Sample Multiplier: 1

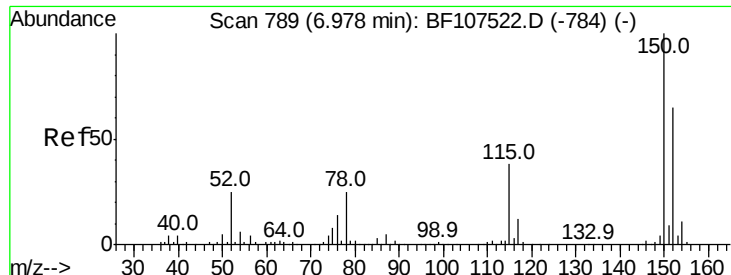
Instrument :
BNA_F
ClientSampled :
SB6-12-7

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

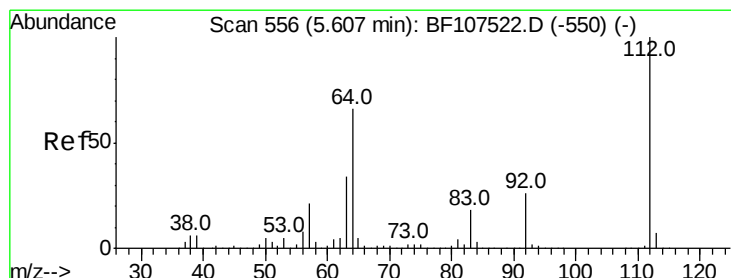
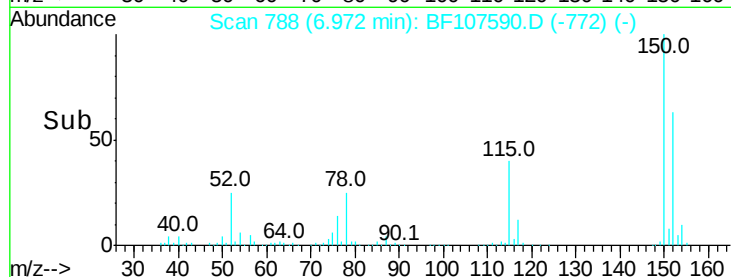
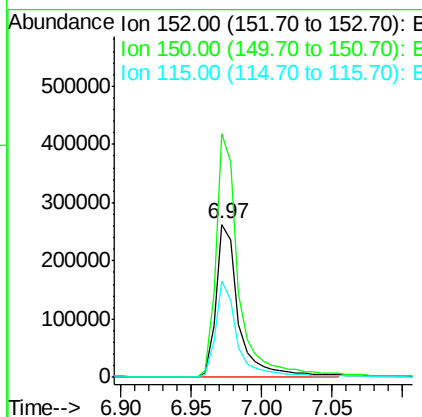
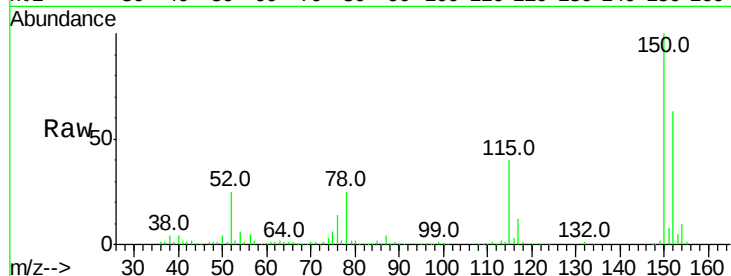
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

Instrument :
BNA_F
ClientSampled :
SB6-12-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	63.1	50.1	75.1

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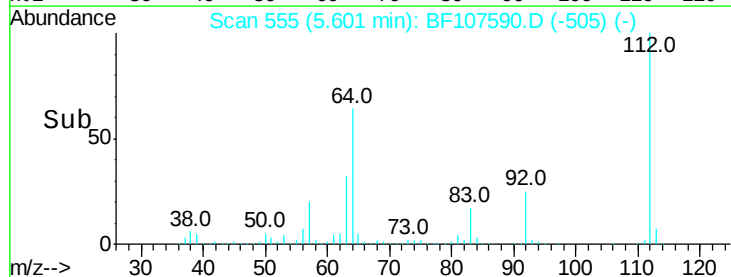
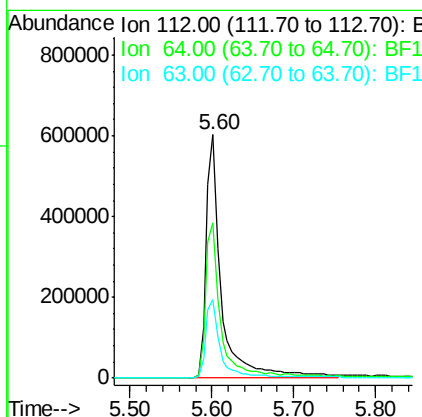
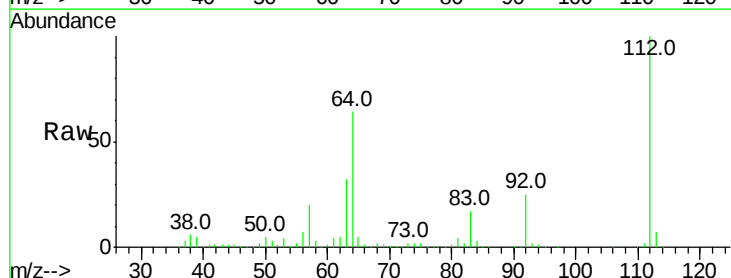
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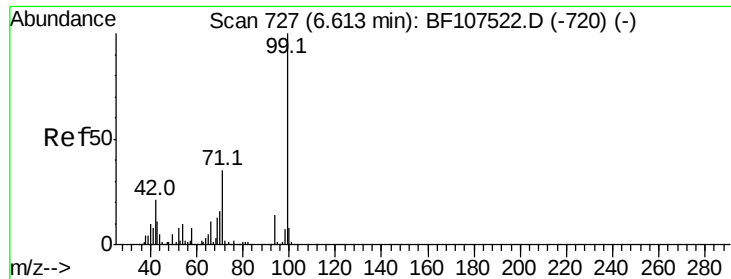


#5

2-Fluorophenol
Concen: 42.724 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	47.9	71.9
63	32.0	23.7	35.5





#7

Phenol-d6

Concen: 45.369 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

Instrument :

BNA_F

ClientSampleId :

SB6-12-7

Tot Ion: 99 Resp: 1009019

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

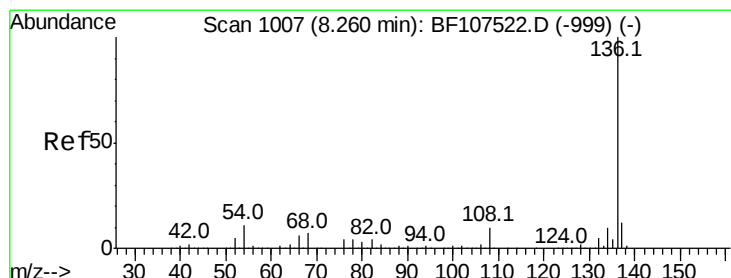
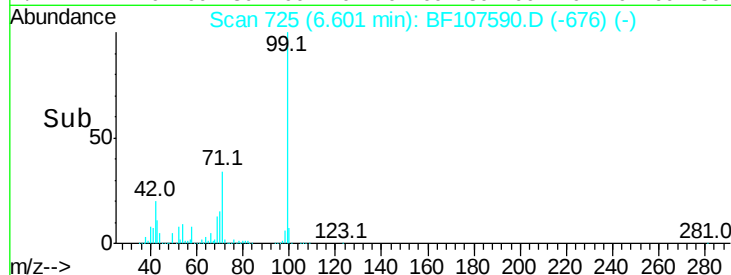
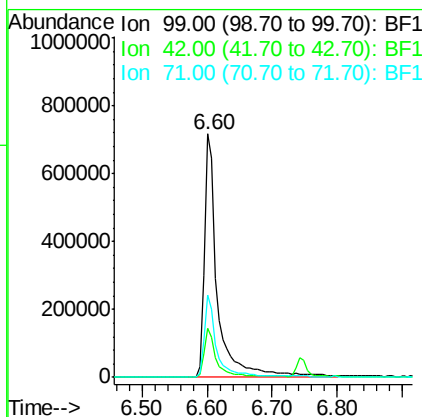
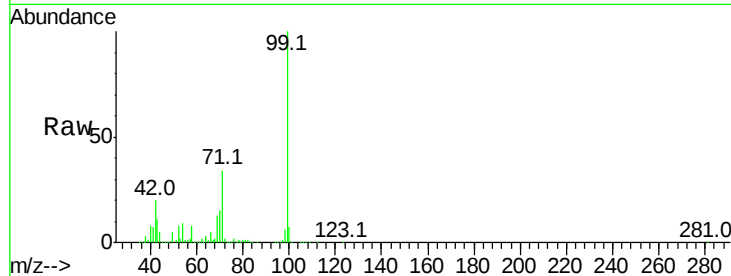
71 34.1 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

Tgt Ion: 136 Resp: 1108497

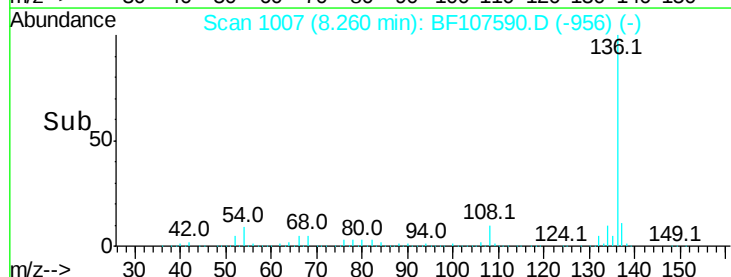
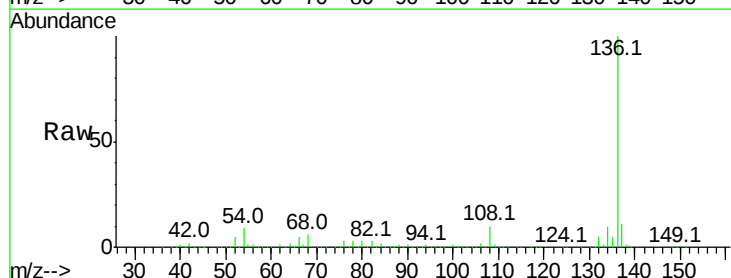
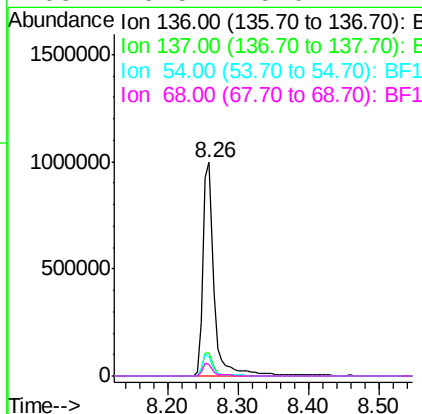
Ion Ratio Lower Upper

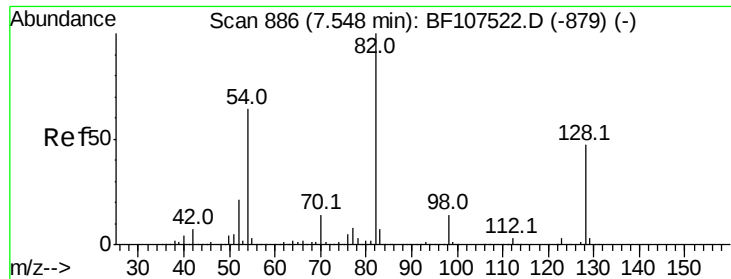
136 100

137 11.0 8.9 13.3

54 9.2 6.6 9.8

68 5.5 5.0 7.4





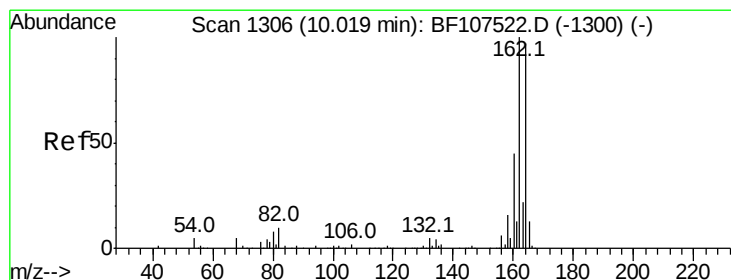
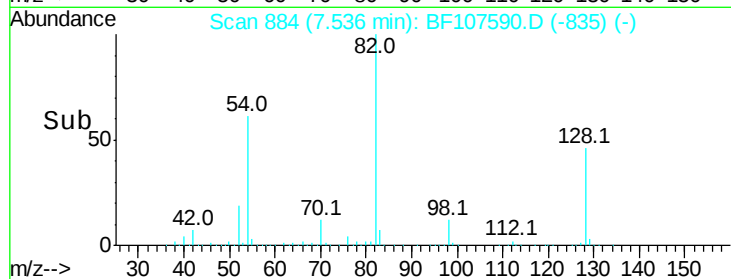
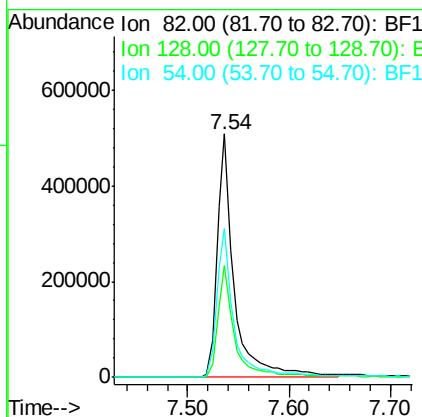
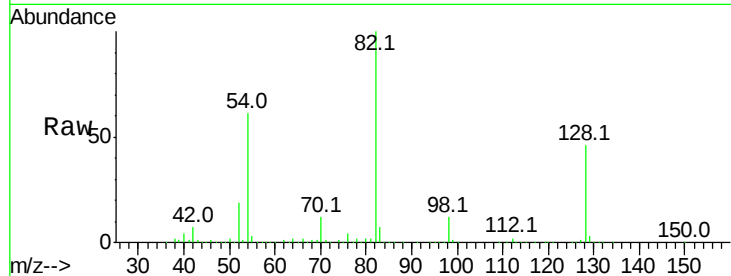
#23
Nitrobenzene-d5
Concen: 36.261 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

Instrument :
BNA_F
ClientSampleId :
SB6-12-7

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	61.2	41.4	62.2

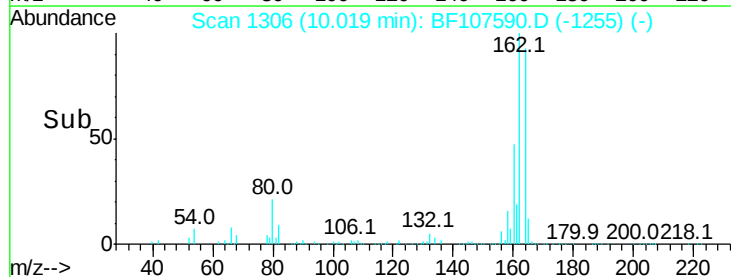
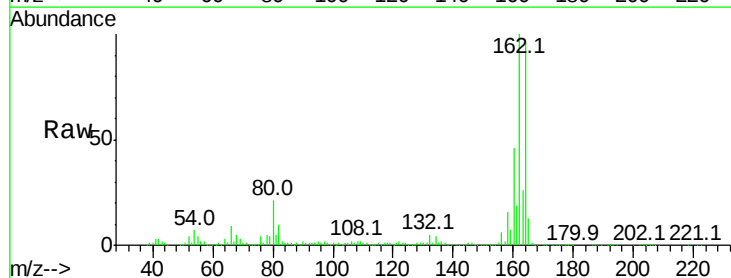
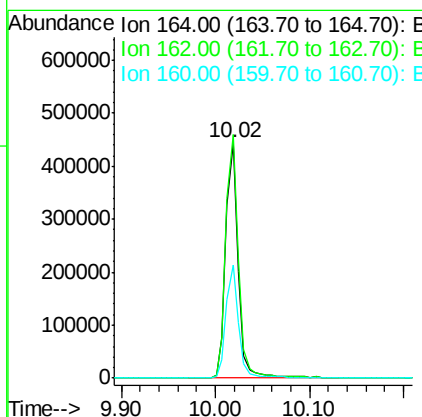
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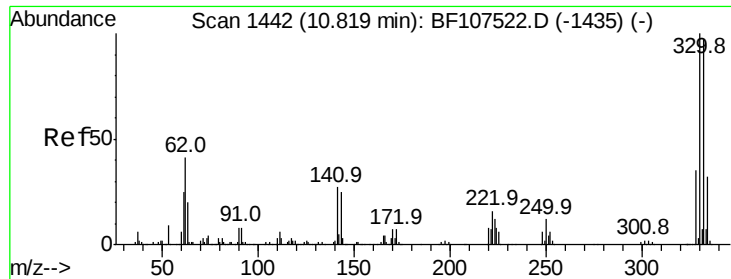
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	48.1	38.3	57.5





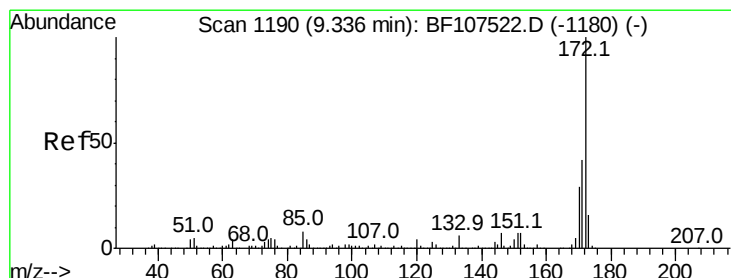
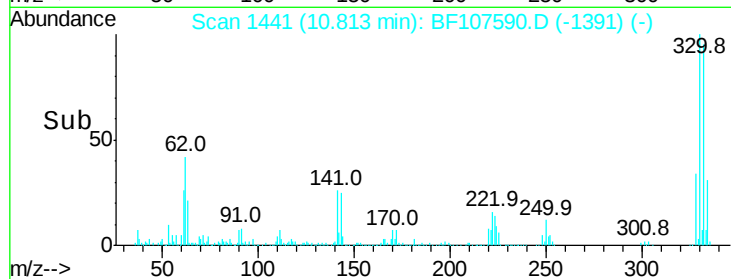
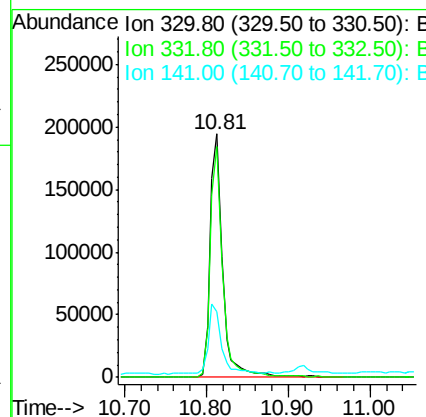
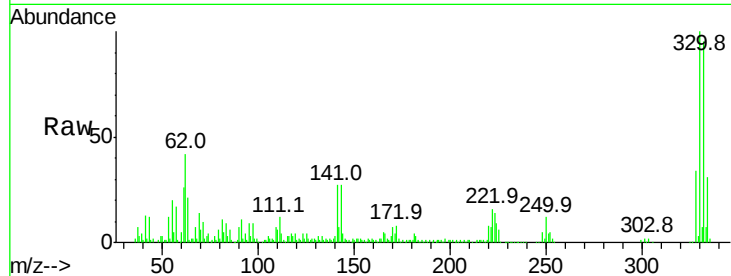
#41
 2,4,6-Tribromophenol
 Concen: 44.656 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107590.D
 Acq: 23 Jul 2018 16:11

Instrument :
 BNA_F
 ClientSampled :
 SB6-12-7

Tot Ion	Ratio	Resp	Lower	Upper
330	100	208470		
332	95.0	77.0	115.6	
141	29.1	29.9	44.9#	

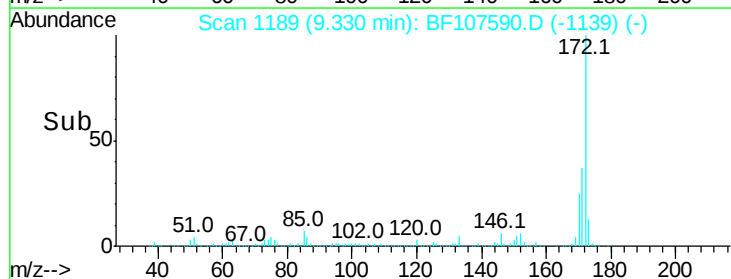
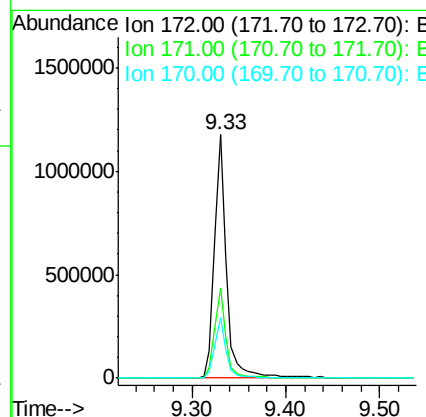
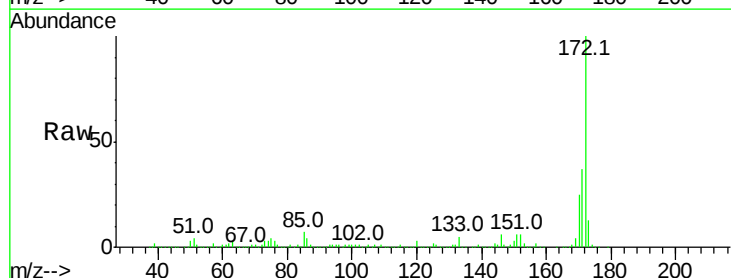
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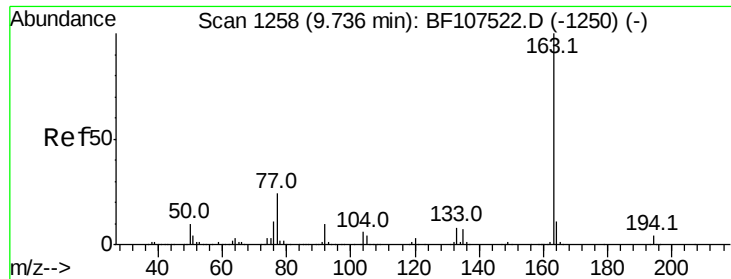
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#44
 2-Fluorobiphenyl
 Concen: 38.224 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107590.D
 Acq: 23 Jul 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1092829		
171	36.7	29.7	44.5	
170	24.8	19.6	29.4	





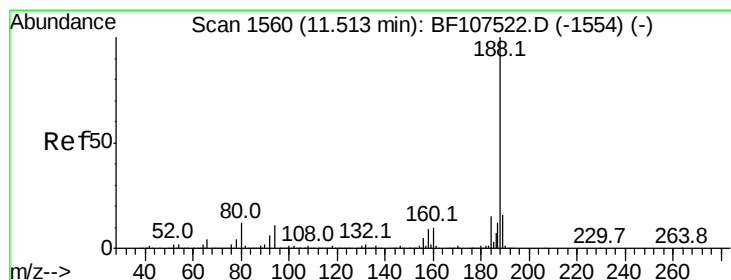
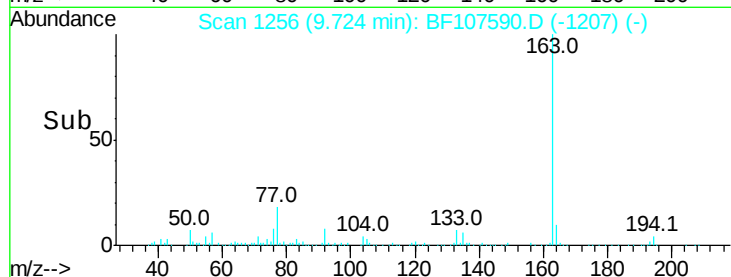
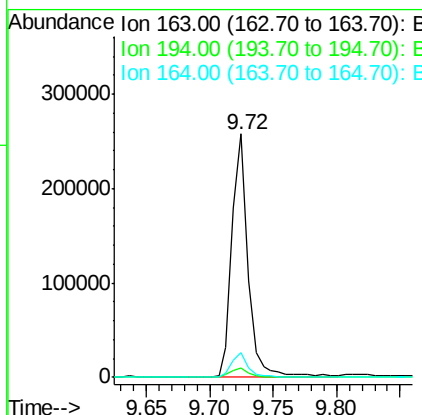
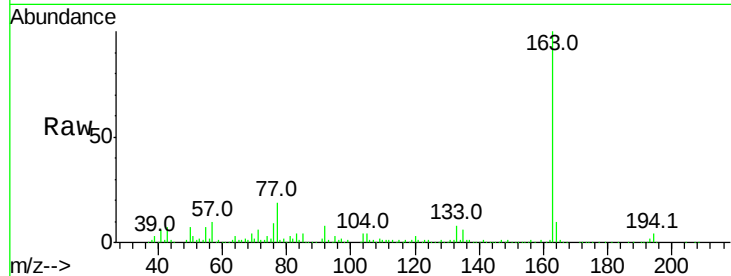
#49
Dimethylphthalate
Concen: 7.205 ng
RT: 9.72 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

Instrument :
BNA_F
ClientSampleId :
SB6-12-7

Tot Ion	Ratio	Resp	Lower	Upper
163	100	222923		
194	3.8		2.7	4.1
164	10.2		8.2	12.2

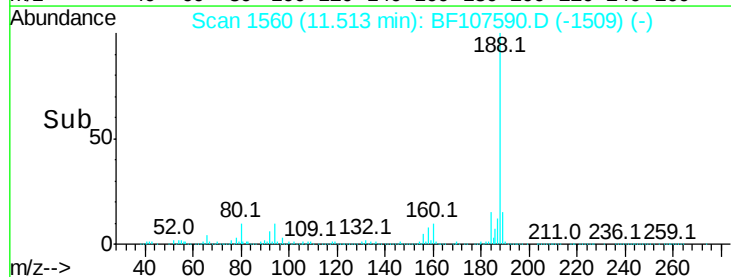
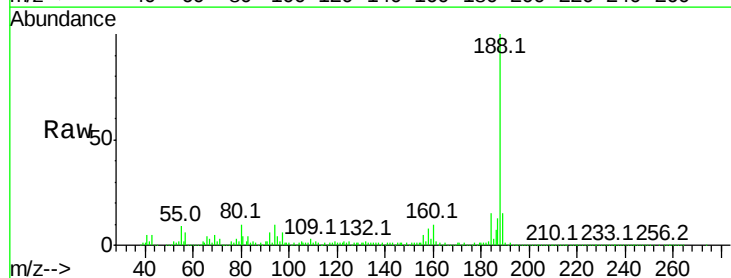
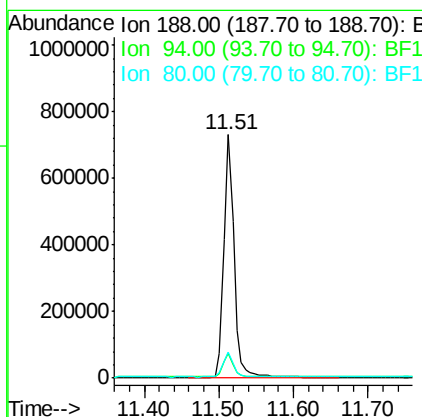
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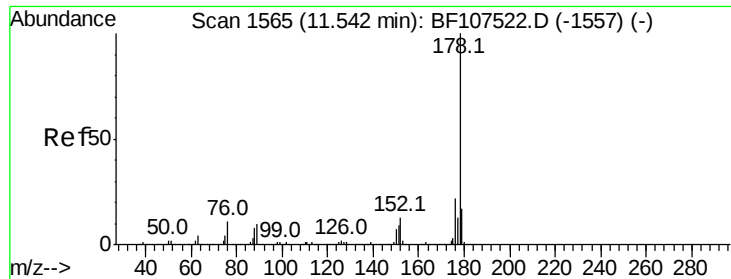
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	701806		
94	10.2		8.5	12.7
80	10.5		9.2	13.8





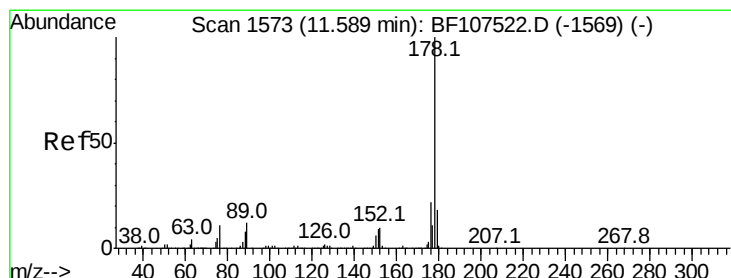
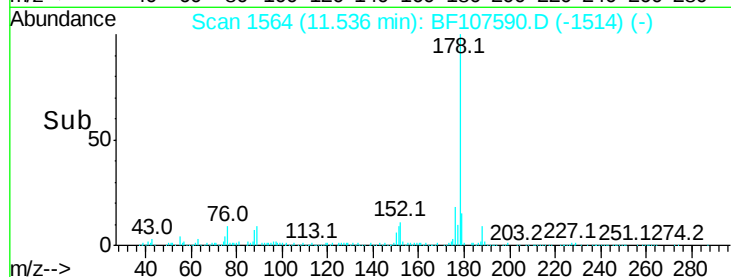
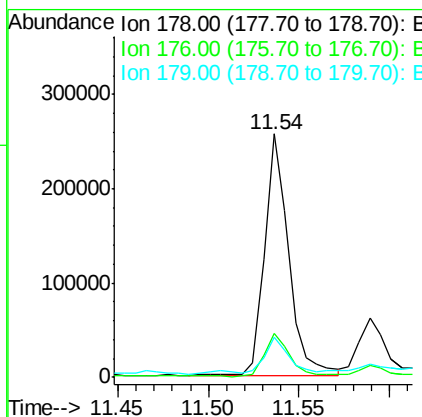
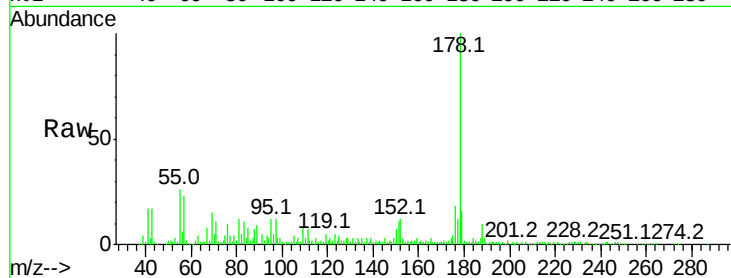
#70
Phenanthrene
Concen: 6.948 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

Instrument :
BNA_F
ClientSampleId :
SB6-12-7

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	16.5	13.0	19.6

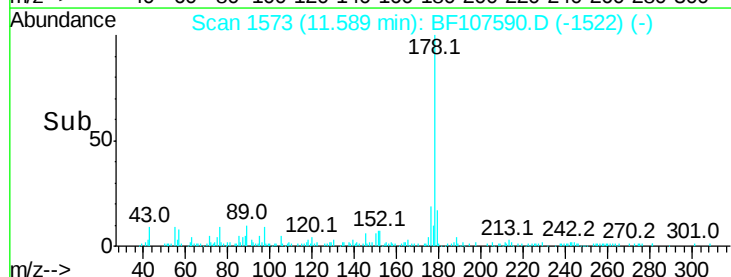
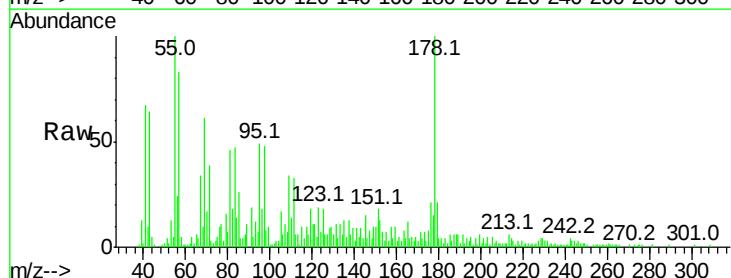
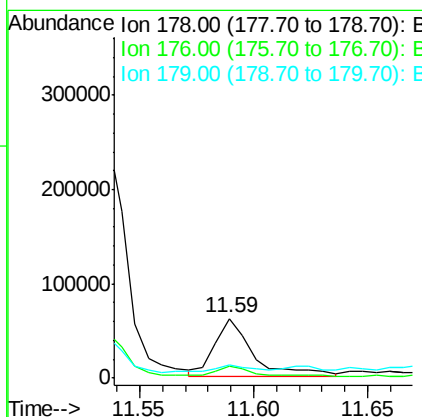
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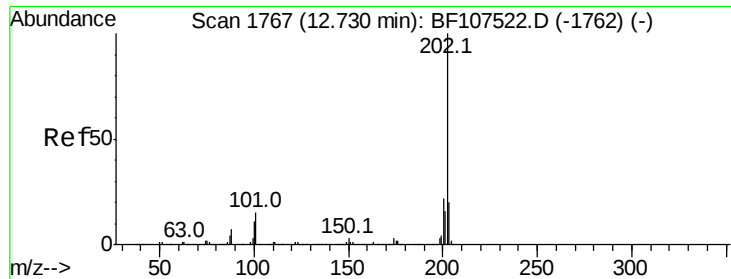
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#71
Anthracene
Concen: 2.081 ng m
RT: 11.59 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.4	23.2
179	21.5	12.6	19.0





#74

Fluoranthene

Concen: 10.547 ng

RT: 12.74 min Scan# 1768

Delta R.T. 0.01 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

Instrument :

BNA_F

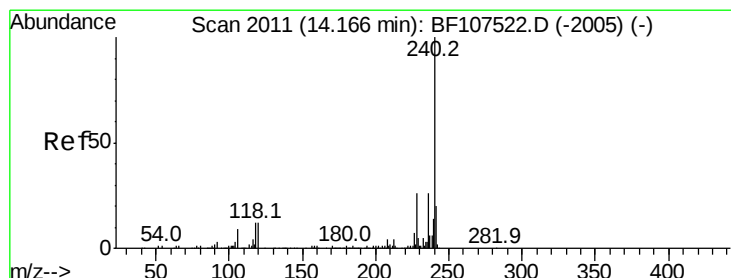
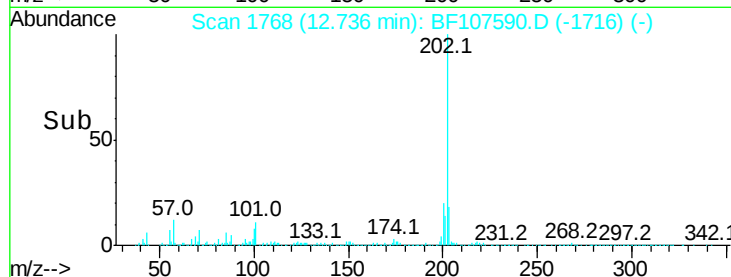
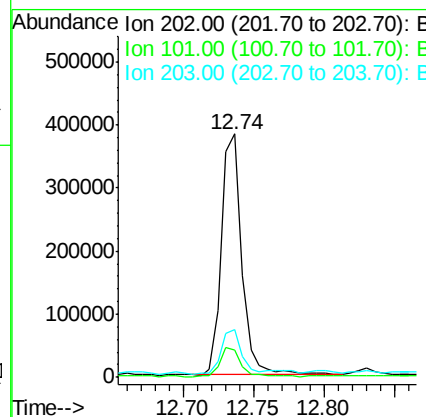
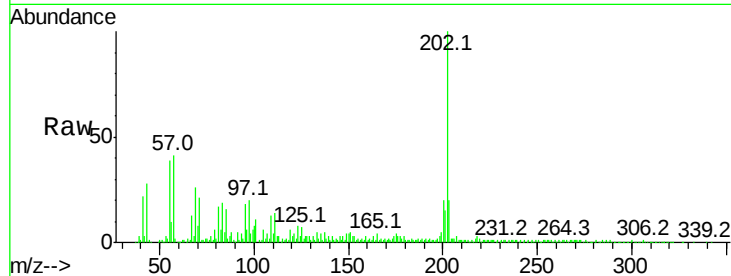
ClientSampled :

SB6-12-7

Tot Ion	Ratio	Resp	Lower	Upper
202	100	387066		
101	11.2	0.0	34.1	
203	19.6	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

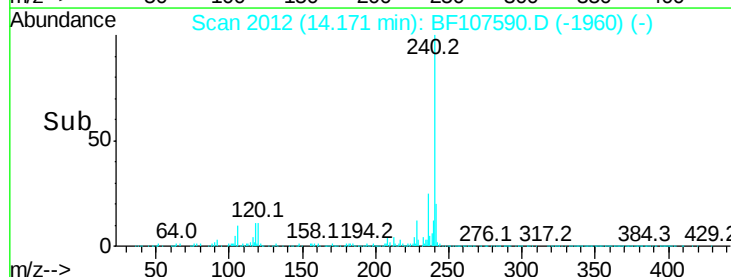
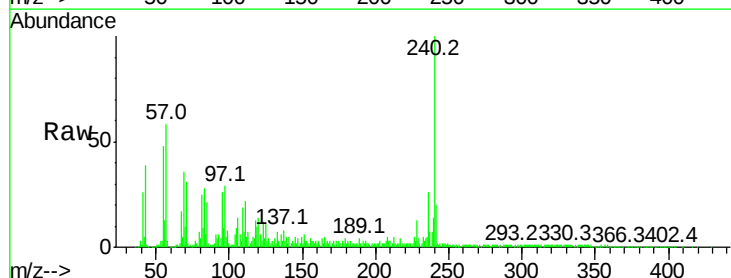
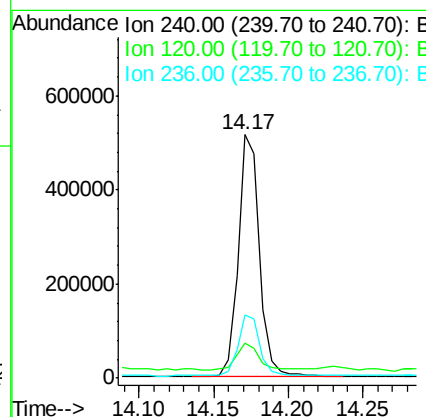
RT: 14.17 min Scan# 2012

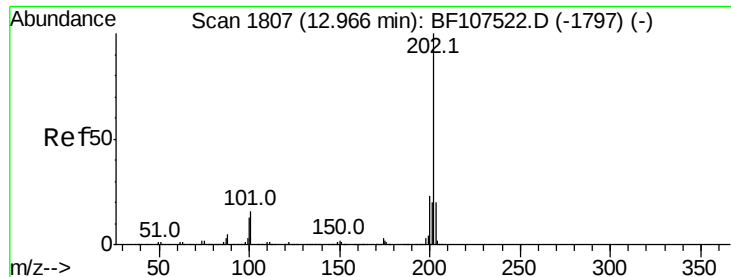
Delta R.T. 0.01 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	514000		
120	14.5	9.5	14.3#	
236	26.0	20.7	31.1	





#77

Pvrene

Concen: 11.004 ng

RT: 12.97 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

Instrument :

BNA_F

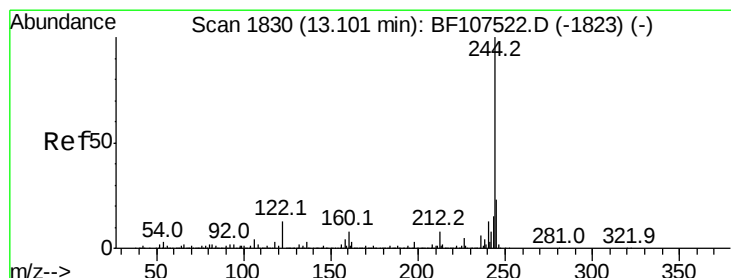
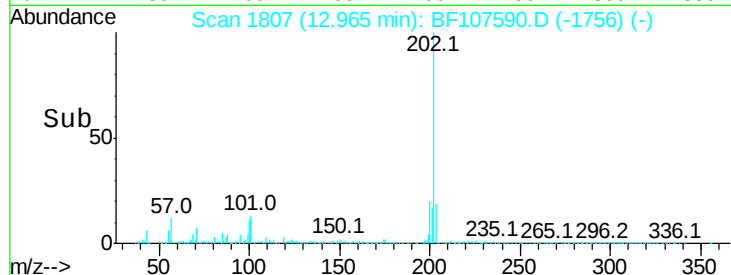
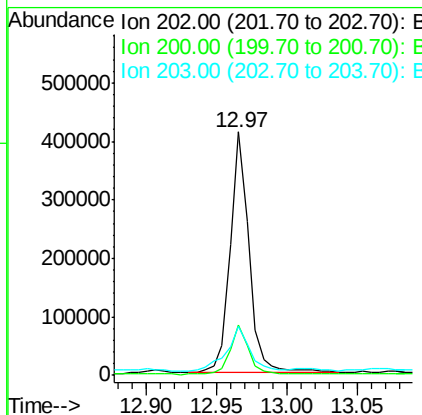
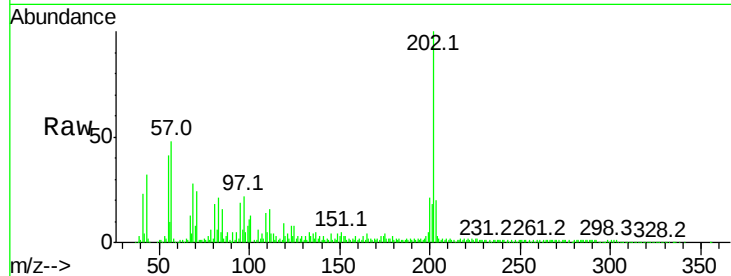
ClientSampled :

SB6-12-7

Tot Ion:	202	Resp:	386884
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	20.3	14.3	21.5

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#78

Terphenyl-d14

Concen: 43.288 ng

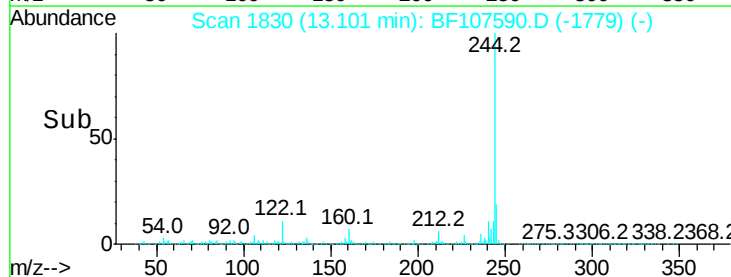
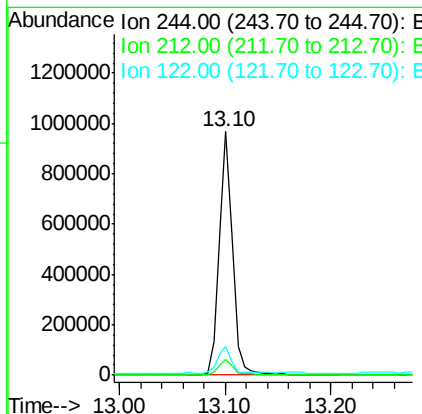
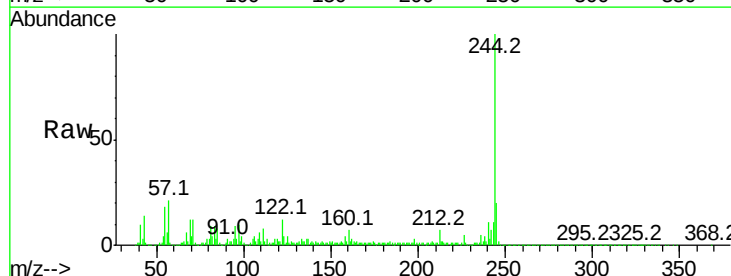
RT: 13.10 min Scan# 1830

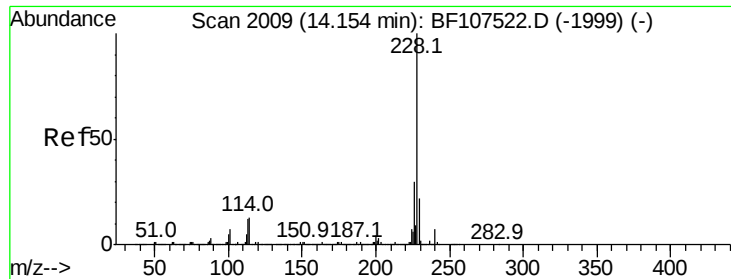
Delta R.T. 0.00 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

Tgt Ion:	244	Resp:	869104
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	11.9	11.0	16.4





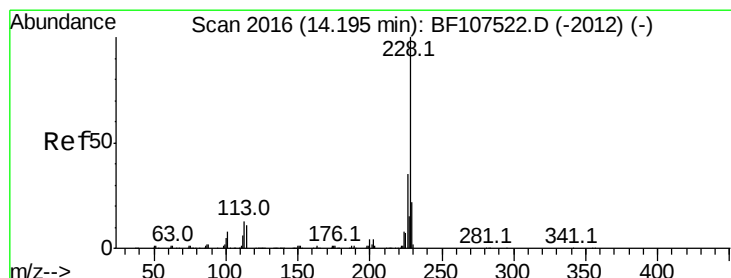
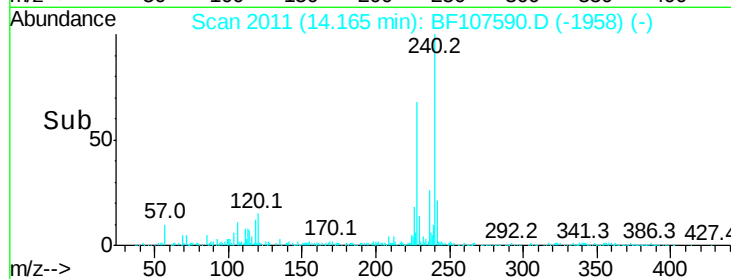
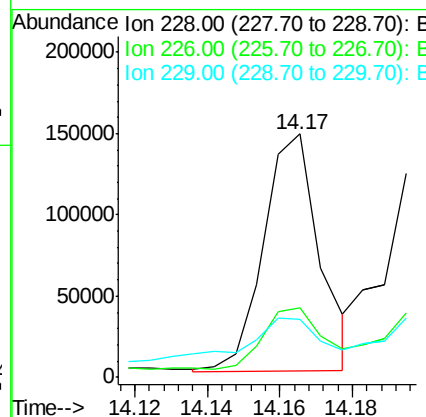
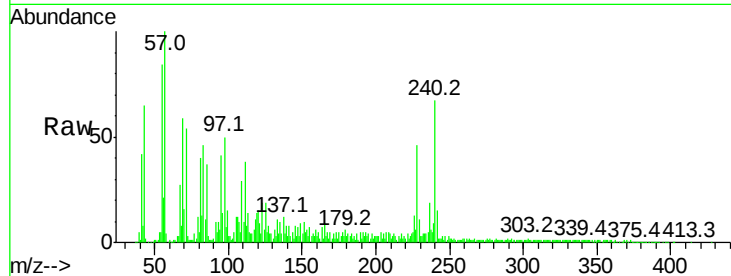
#80
Benzo(a)anthracene
Concen: 5.208 ng
RT: 14.17 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

Instrument :
BNA_F
ClientSampleId :
SB6-12-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	24.0	15.8	23.6

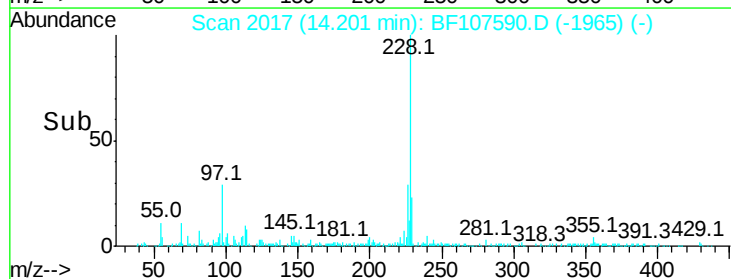
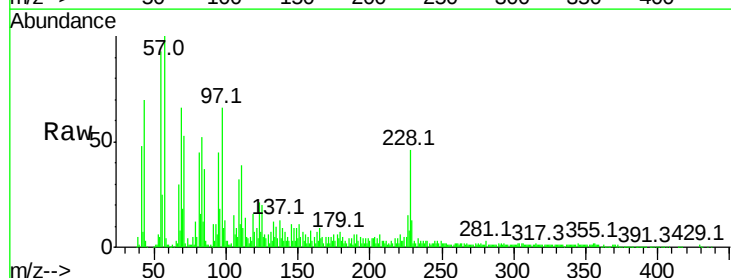
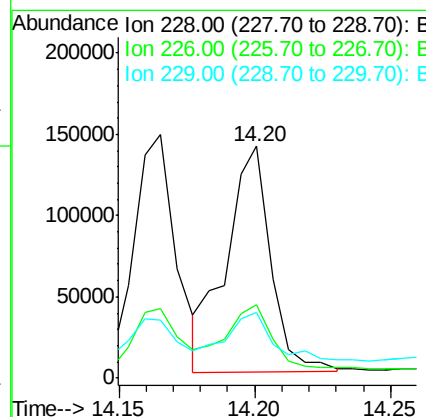
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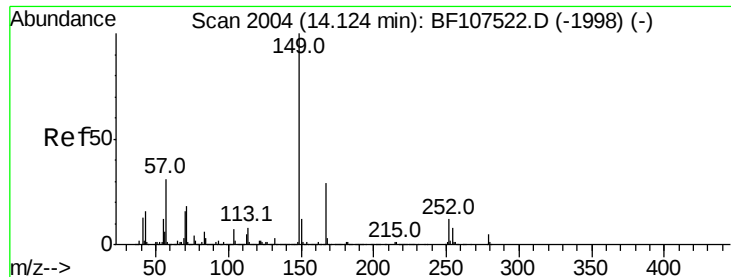
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#82
Chrysene
Concen: 5.457 ng m
RT: 14.20 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	28.2	16.2	24.4





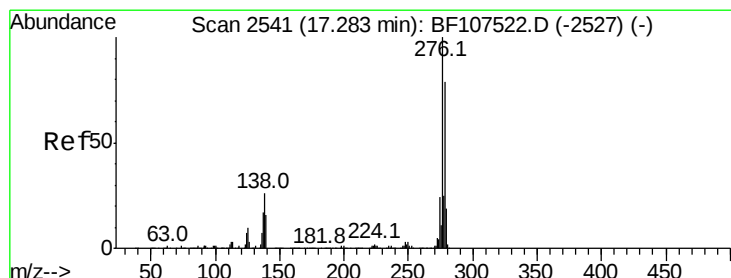
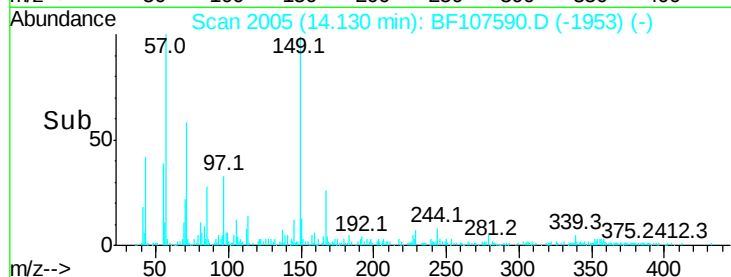
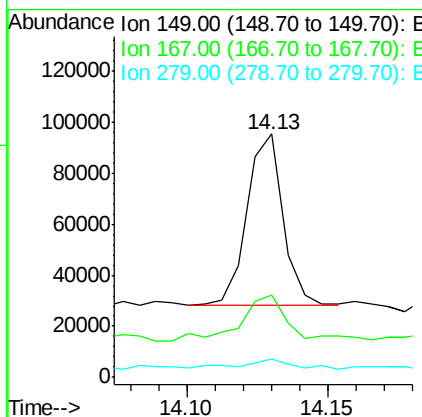
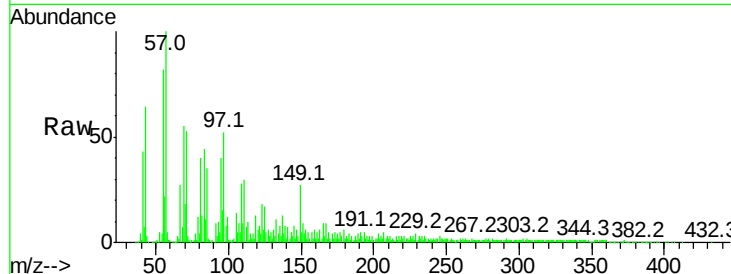
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.803 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. 0.01 min
 Lab File: BF107590.D
 Acq: 23 Jul 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :
 SB6-12-7

Tot Ion	Ratio	Lower	Upper
149	100		
167	33.6	21.3	31.9#
279	7.8	3.0	4.4#

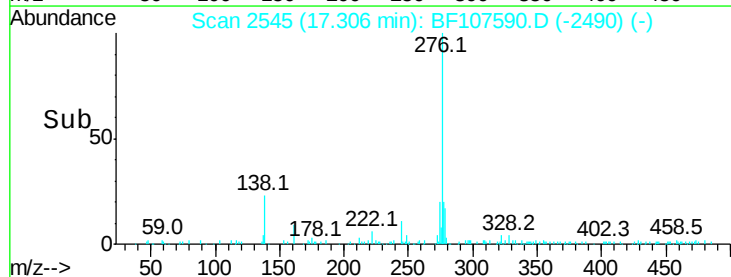
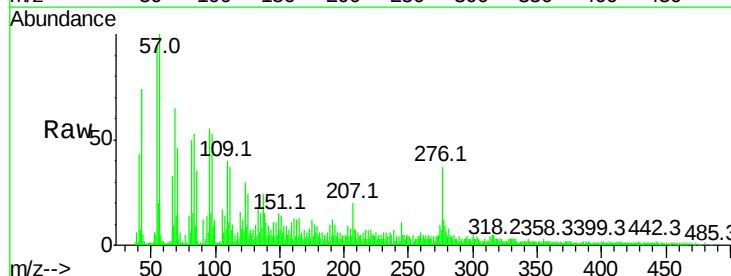
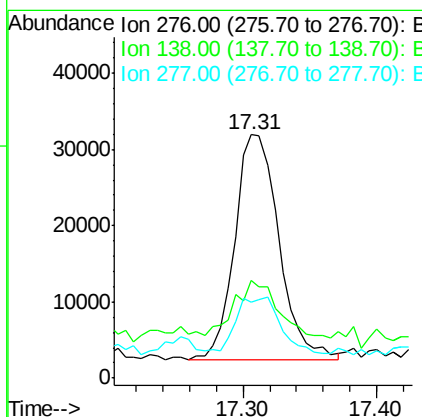
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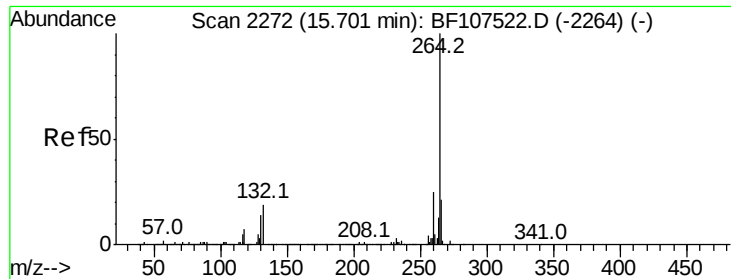
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.772 ng
 RT: 17.31 min Scan# 2545
 Delta R.T. 0.02 min
 Lab File: BF107590.D
 Acq: 23 Jul 2018 16:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.9	25.0	37.6
277	24.3	20.1	30.1





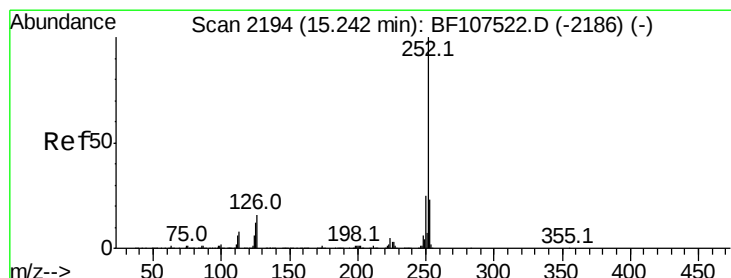
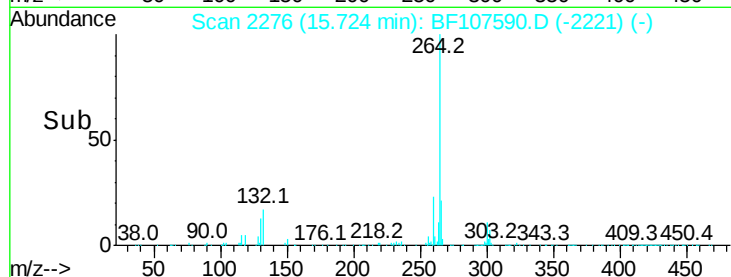
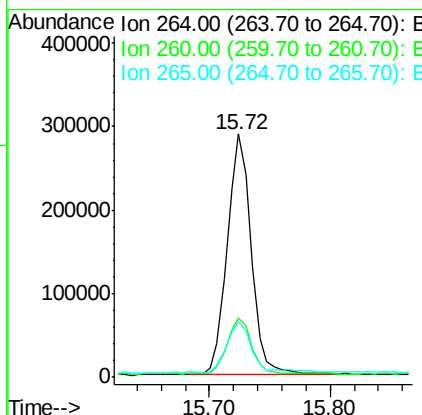
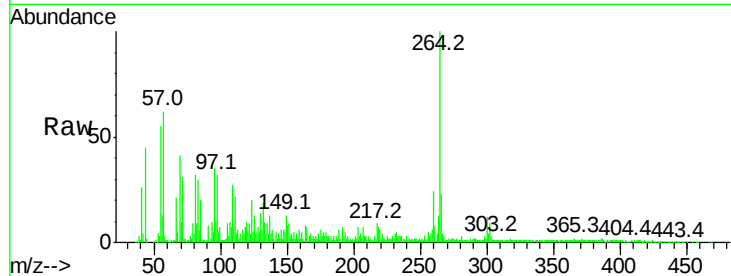
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

Instrument :
BNA_F
ClientSampleId :
SB6-12-7

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.7	17.5	26.3

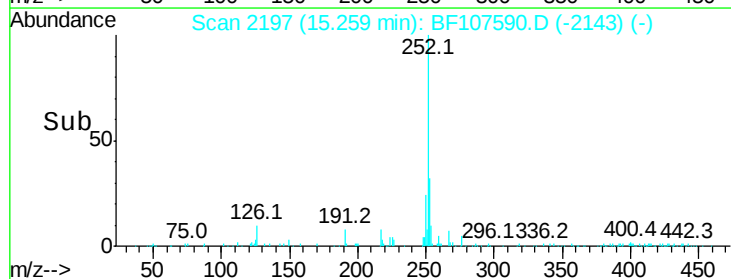
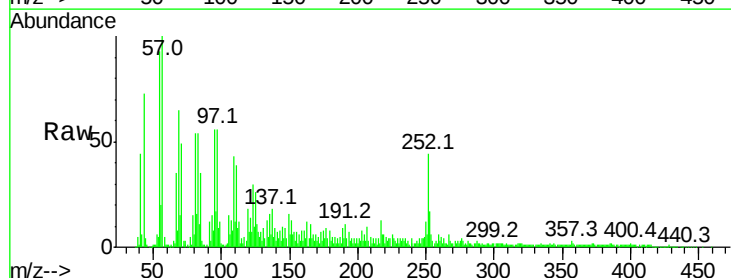
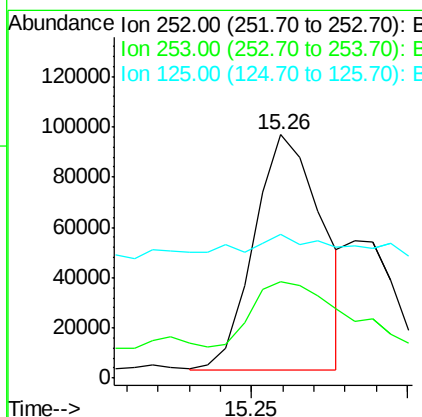
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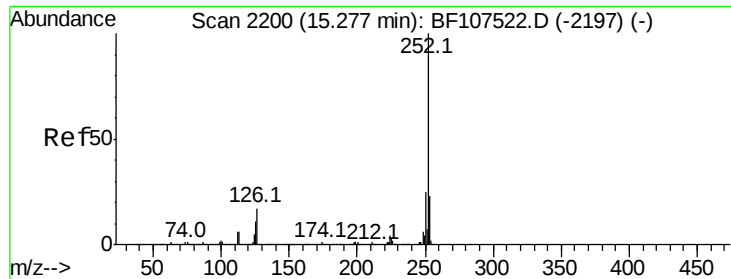
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#87
Benzo(b)fluoranthene
Concen: 6.523 ng m
RT: 15.26 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BF107590.D
Acq: 23 Jul 2018 16:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	39.6	17.0	25.6#
125	59.2	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.904 ng/mL

RT: 15.28 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

Instrument :

BNA_F

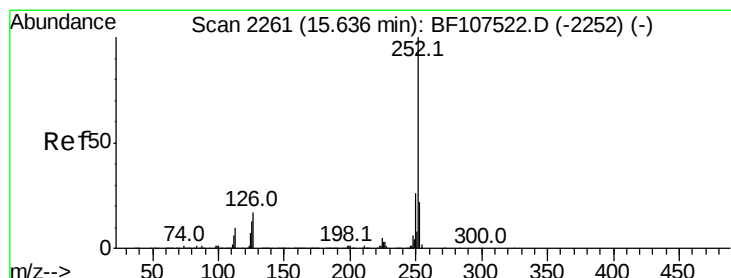
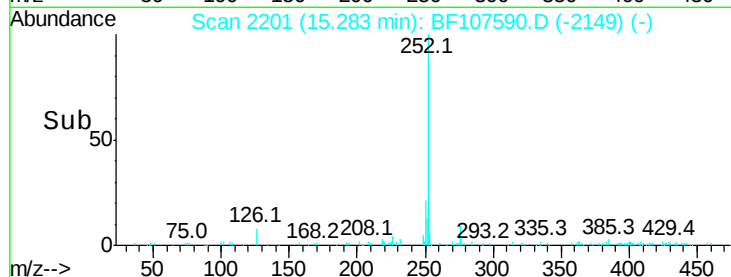
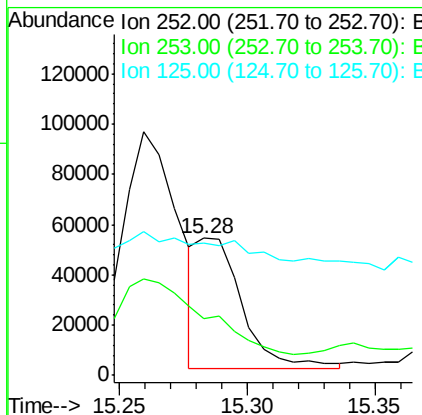
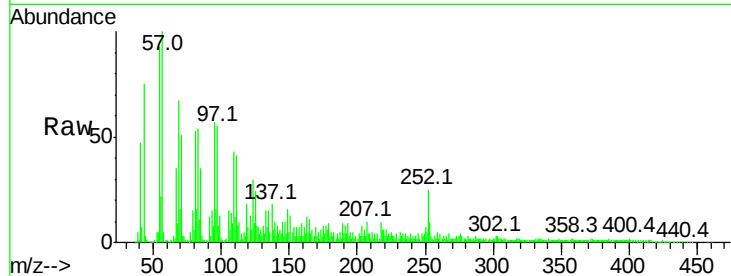
ClientSampled :

SB6-12-7

Tot Ion:	252	Resp:	62631
Ion Ratio	Lower	Upper	
252	100		
253	41.8	17.9	26.9#
125	96.6	10.2	15.2#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 5.048 ng/mL

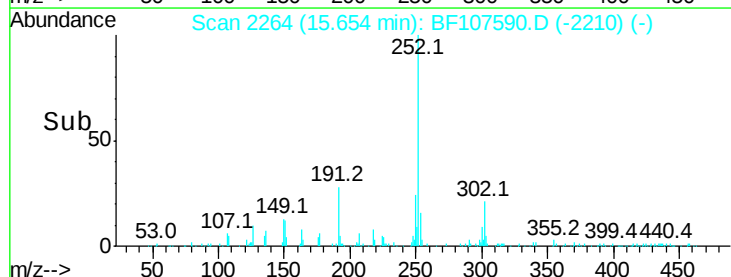
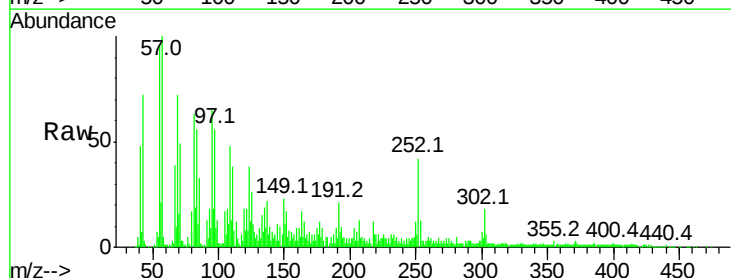
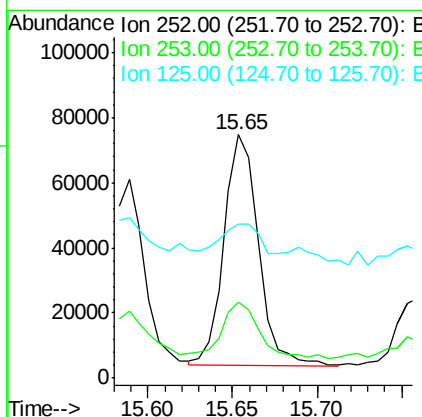
RT: 15.65 min Scan# 2264

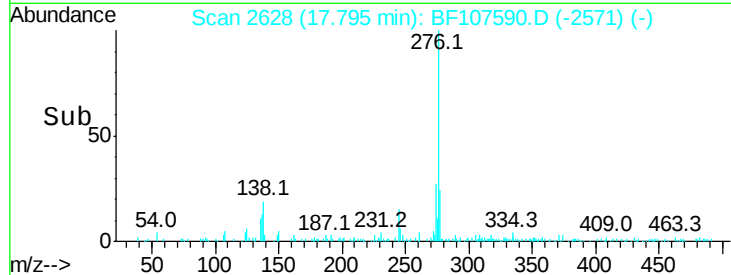
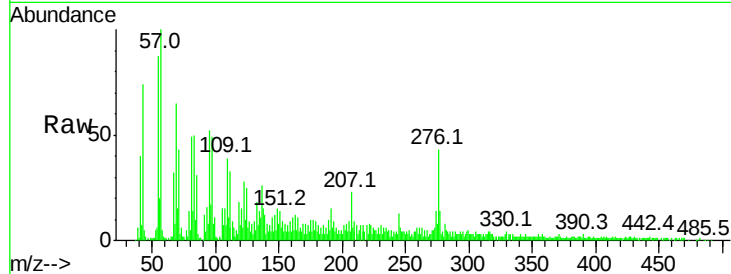
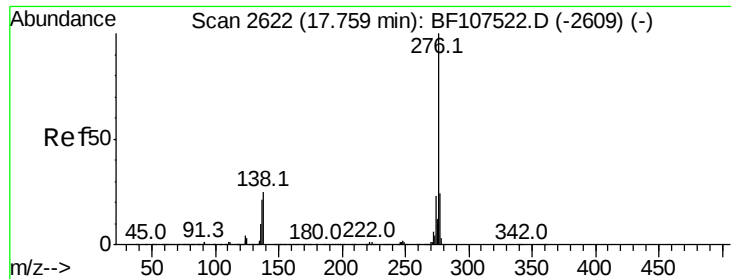
Delta R.T. 0.02 min

Lab File: BF107590.D

Acq: 23 Jul 2018 16:11

Tgt Ion:	252	Resp:	101625
Ion Ratio	Lower	Upper	
252	100		
253	31.2	17.1	25.7#
125	63.3	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 4.405 ng
 RT: 17.79 min Scan# 2628
 Delta R.T. 0.04 min
 Lab File: BF107590.D
 Acq: 23 Jul 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :
 SB6-12-7

Tot Ion	Ratio	Lower	Upper
276	100		
277	31.8	17.9	26.9#
138	33.8	21.8	32.8#

Manual Integrations
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