

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
 Data File : BF107584.D
 Acq On : 23 Jul 2018 13:31
 Operator : JU/SJ
 Sample : J4081-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200029

Manual Integrations
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Quant Time: Jul 23 15:00:57 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	291479	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	1159670	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	509603	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	940644	20.00	ng	0.00
75) Chrysene-d12	14.16	240	621680	20.00	ng	0.00
86) Perylene-d12	15.69	264	732379	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1304631	71.96	ng	0.00
7) Phenol-d6	6.61	99	1636386	75.17	ng	0.00
23) Nitrobenzene-d5	7.54	82	1023038	59.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	459023	79.21	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1931245	59.55	ng	0.00
78) Terphenyl-d14	13.09	244	1525343	62.81	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.72	163	153283	3.991	ng	99
70) Phenanthrene	11.54	178	144713	3.157	ng	99
74) Fluoranthene	12.72	202	317004	6.445	ng	99
77) Pyrene	12.96	202	296787	6.979	ng	98
80) Benzo(a)anthracene	14.15	228	148360	4.072	ng	97
82) Chrysene	14.18	228	151663	4.334	ng	97
85) Indeno(1,2,3-cd)pyrene	17.26	276	101481	3.421	ng	# 91
87) Benzo(b)fluoranthene	15.24	252	215943m	5.387	ng	
88) Benzo(k)fluoranthene	15.26	252	82207m	2.093	ng	
89) Benzo(a)pyrene	15.62	252	154204	4.206	ng	99
91) Benzo(g,h,i)perylene	17.74	276	95749	3.063	ng	# 91

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

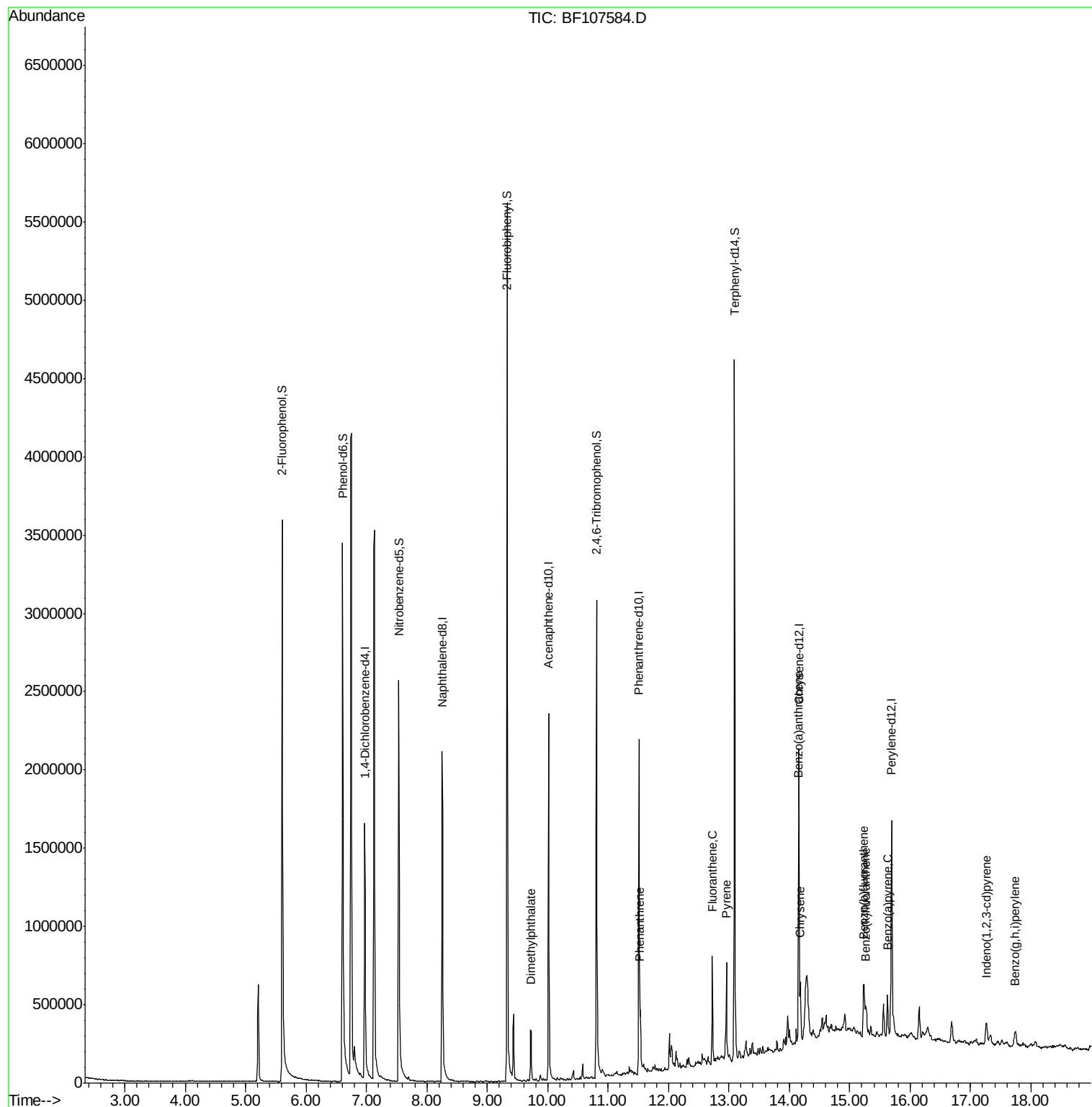
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107584.D
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Sample : J4081-01
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ALS Vial : 6 Sample Multiplier: 1

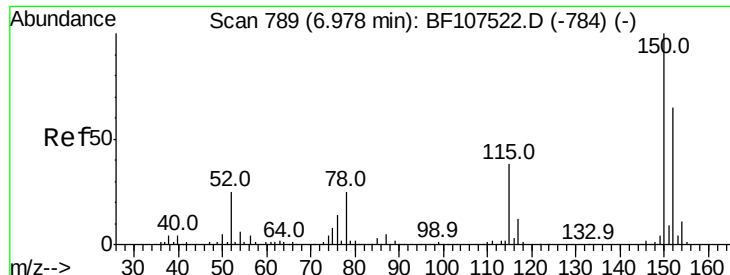
Instrument :
BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

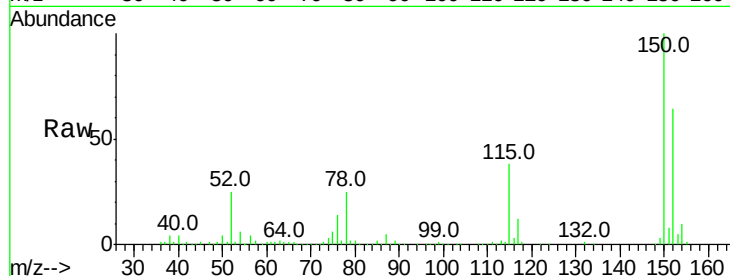
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF107584.D
 Acq: 23 Jul 2018 13:31

Instrument :
 BNA_F
 ClientSampleId :
 RBR200029

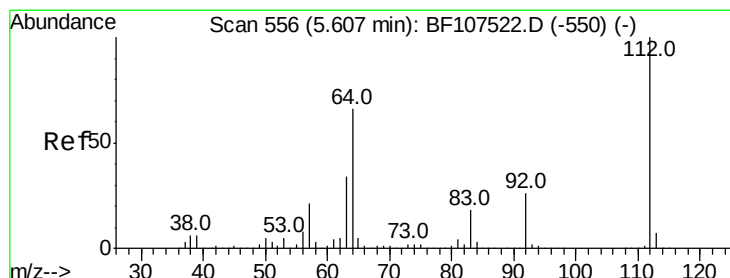
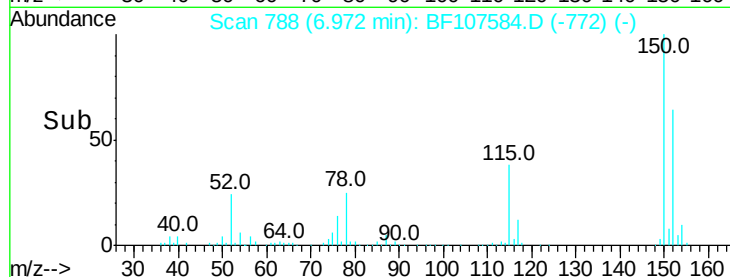
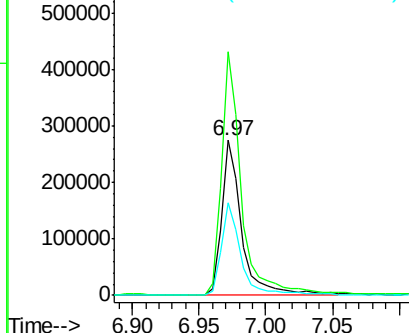
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	59.7	50.1	75.1

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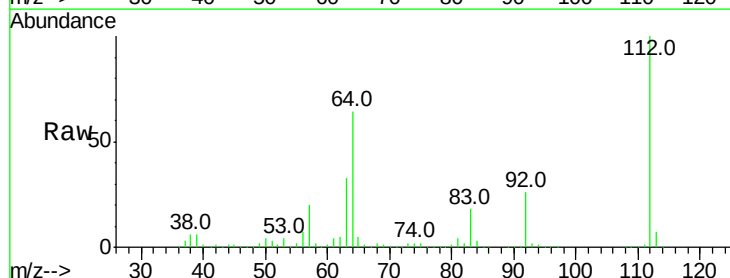
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



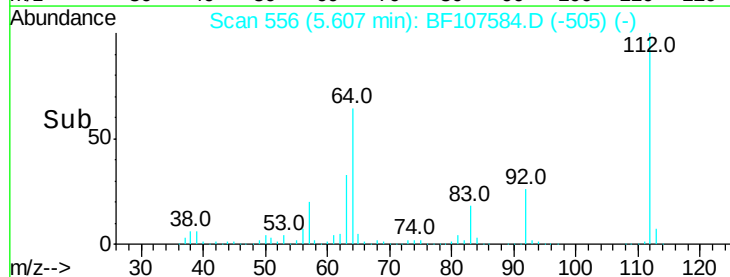
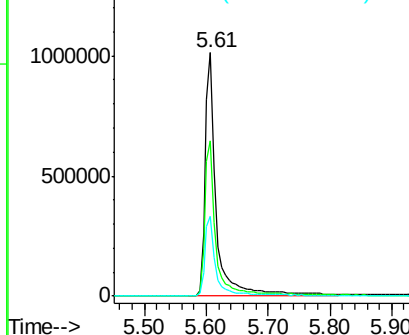
#5

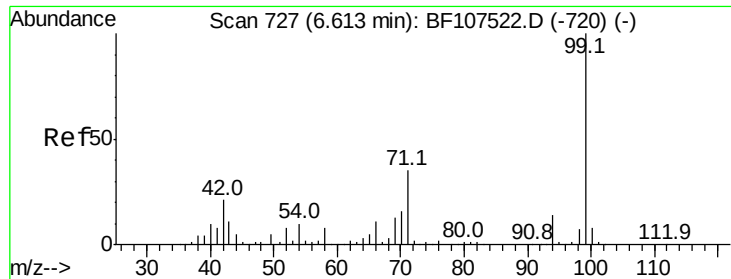
2-Fluorophenol
 Concen: 71.964 ng
 RT: 5.61 min Scan# 556
 Delta R.T. 0.00 min
 Lab File: BF107584.D
 Acq: 23 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	47.9	71.9
63	32.7	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: 75.173 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107584.D

Acq: 23 Jul 2018 13:31

Instrument :

BNA_F

ClientSampleId :

RBR200029

Tot Ion: 99 Resp: 1636386

Ion Ratio Lower Upper

99 100

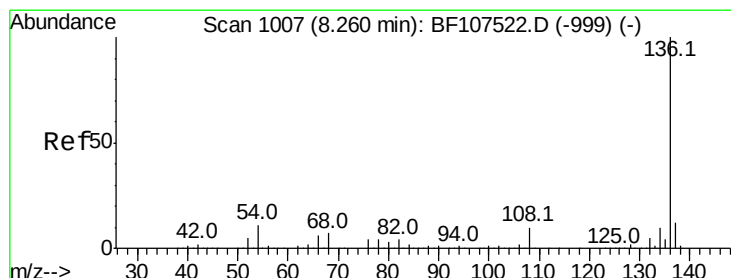
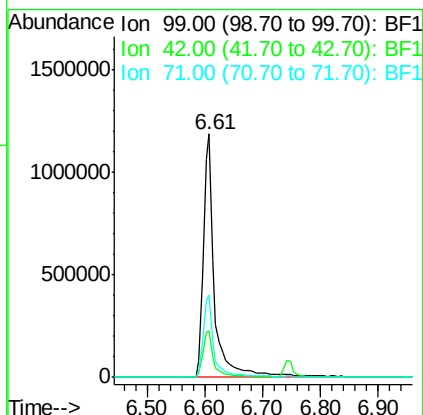
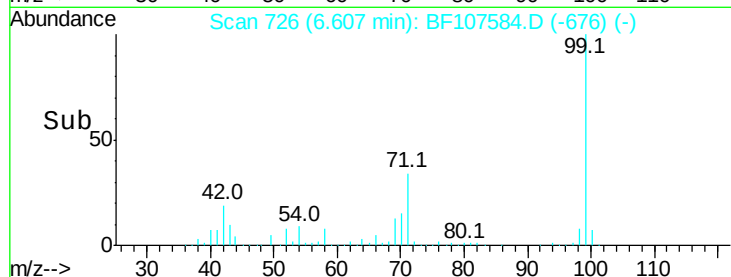
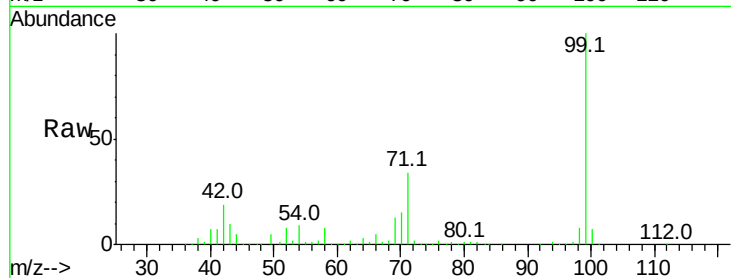
42 18.9 14.5 21.7

71 33.7 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF107584.D

Acq: 23 Jul 2018 13:31

Tgt Ion: 136 Resp: 1159670

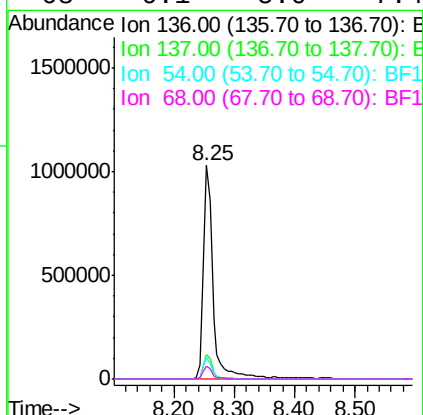
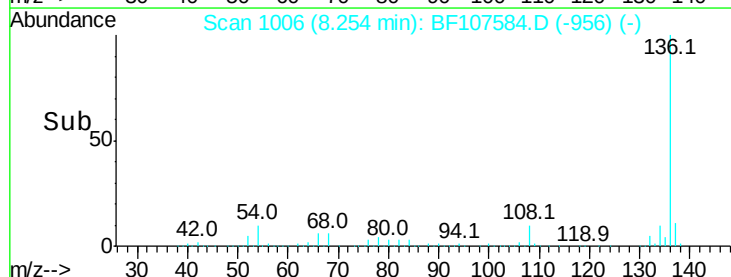
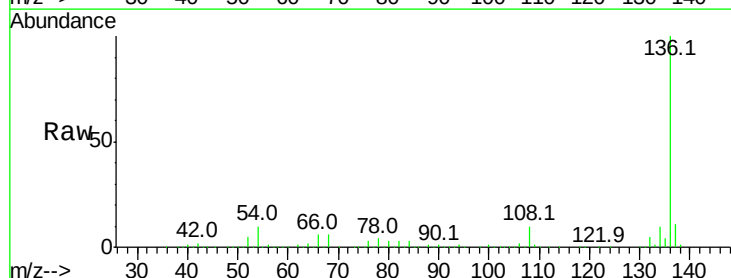
Ion Ratio Lower Upper

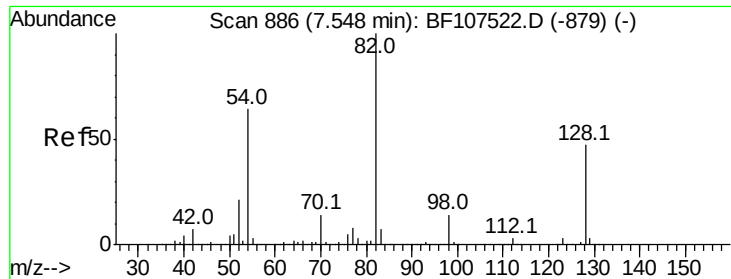
136 100

137 11.2 8.9 13.3

54 10.4 6.6 9.8#

68 6.1 5.0 7.4





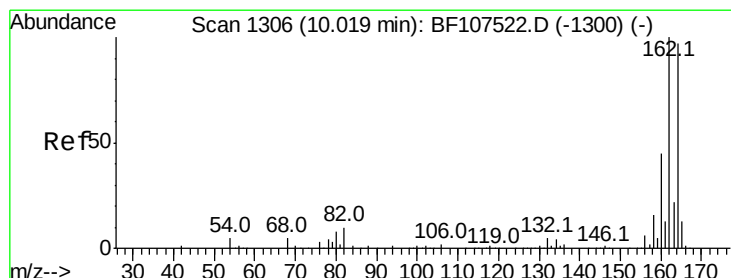
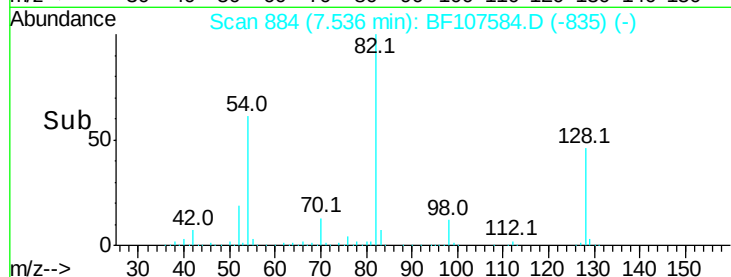
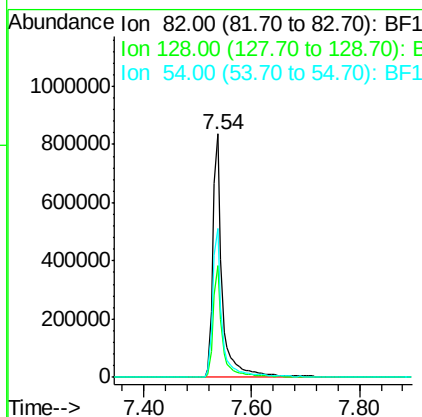
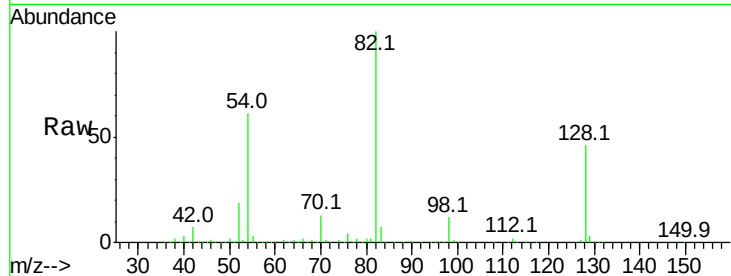
#23
Nitrobenzene-d5
Concen: 59.536 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107584.D
Acq: 23 Jul 2018 13:31

Instrument :
BNA_F
ClientSampleId :
RBR200029

Tot Ion: 82 Resp: 1023038
Ion Ratio Lower Upper
82 100
128 45.8 36.1 54.1
54 61.3 41.4 62.2

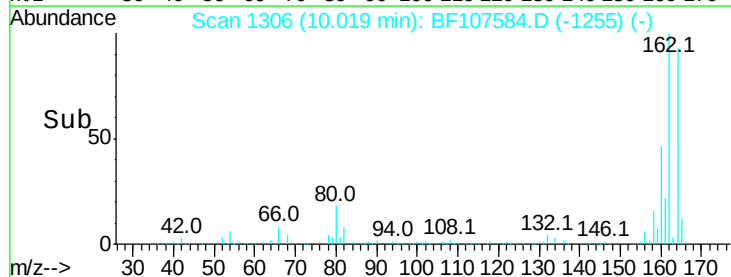
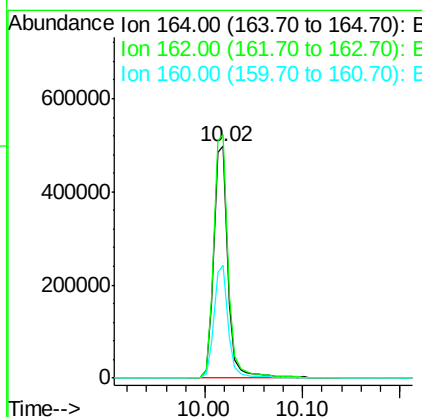
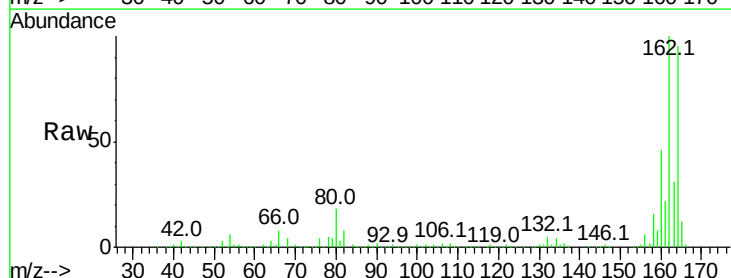
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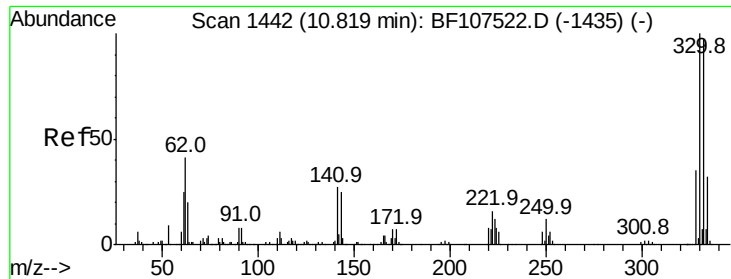
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF107584.D
Acq: 23 Jul 2018 13:31

Tgt Ion: 164 Resp: 509603
Ion Ratio Lower Upper
164 100
162 105.0 86.1 129.1
160 48.5 38.3 57.5





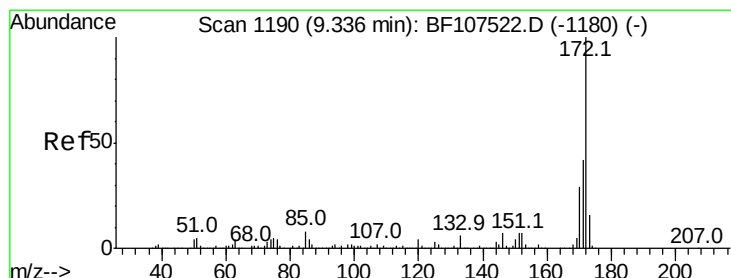
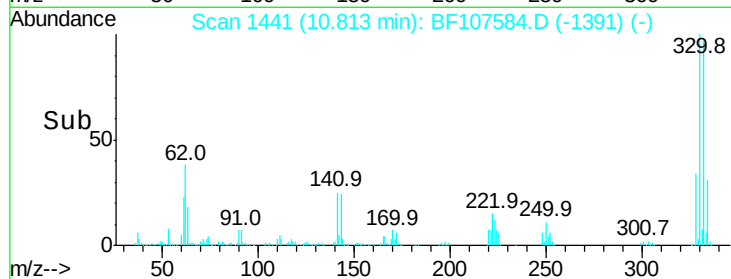
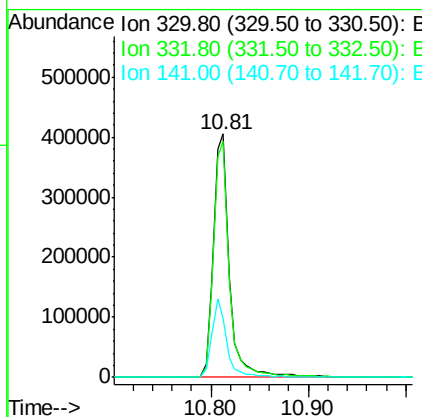
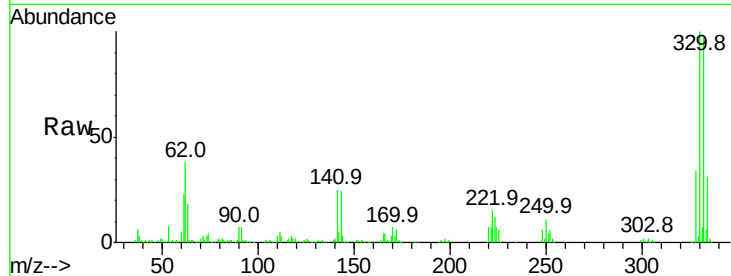
#41
 2,4,6-Tribromophenol
 Concen: 79.210 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107584.D
 Acq: 23 Jul 2018 13:31

Instrument :
 BNA_F
 ClientSampled :
 RBR200029

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	30.6	29.9	44.9

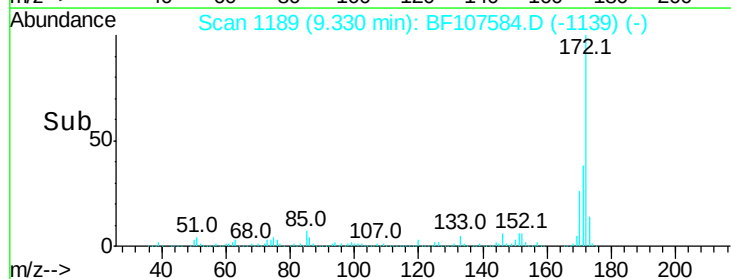
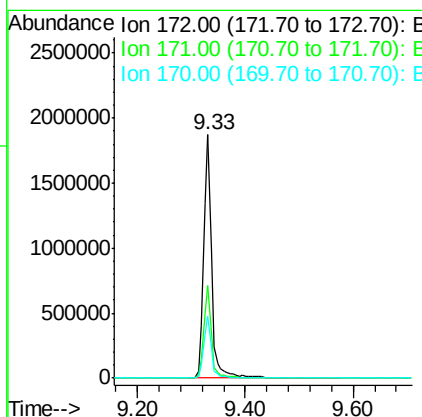
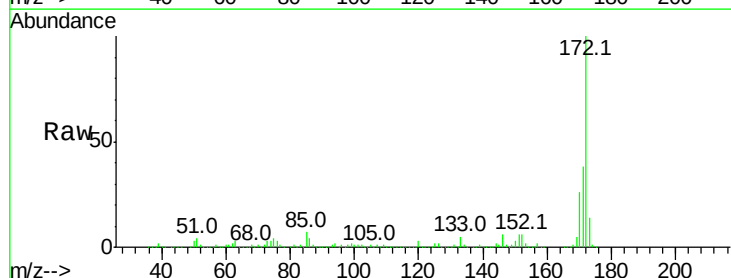
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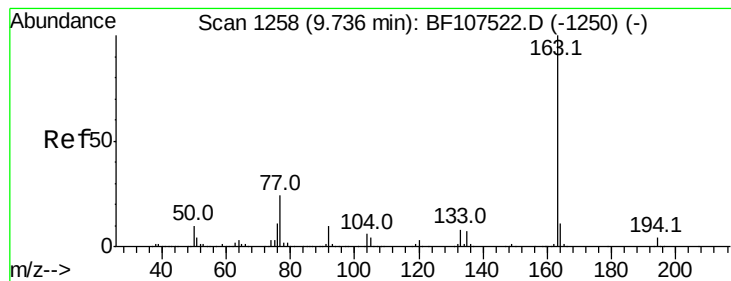
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#44
 2-Fluorobiphenyl
 Concen: 59.553 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107584.D
 Acq: 23 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.7	44.5
170	25.5	19.6	29.4





#49

Dimethylphthalate

Concen: 3.991 ng

RT: 9.72 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF107584.D

Acq: 23 Jul 2018 13:31

Instrument :

BNA_F

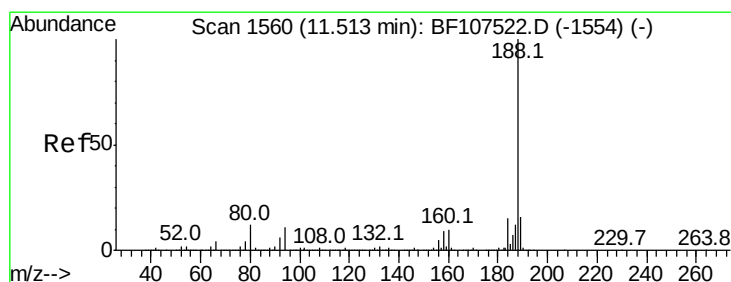
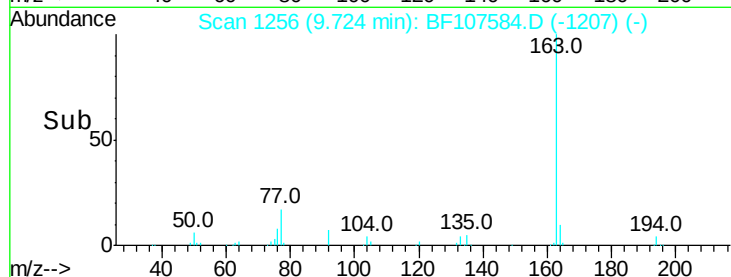
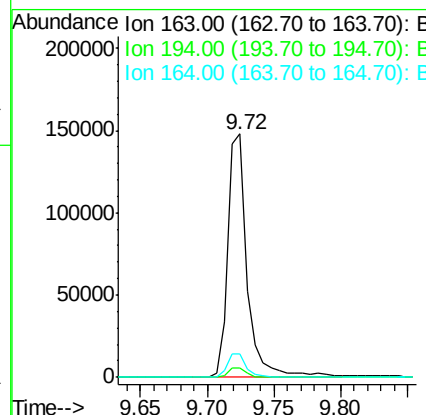
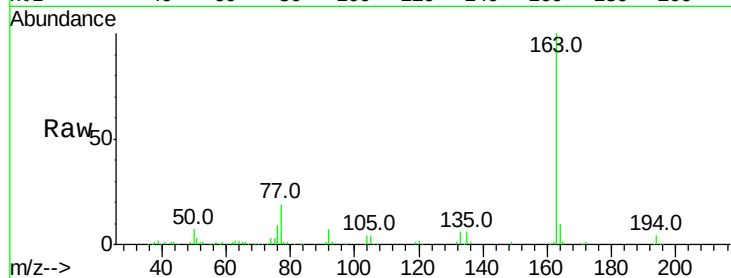
ClientSampleId :

RBR200029

Tot Ion:	163	Resp:	153283
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	9.8	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

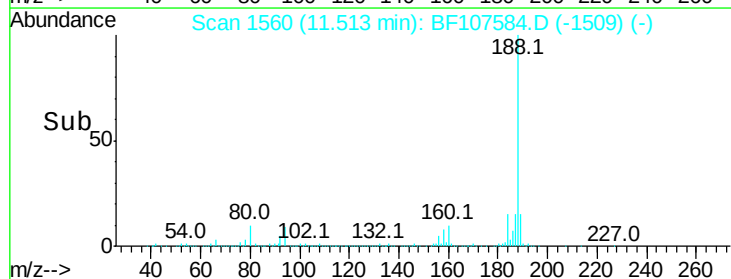
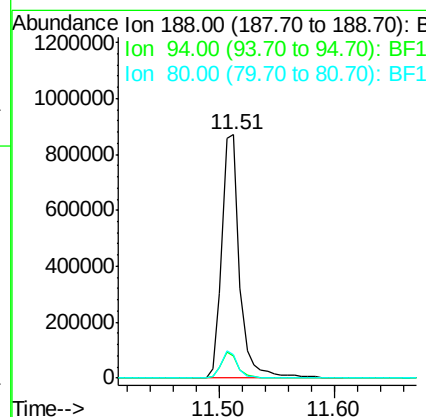
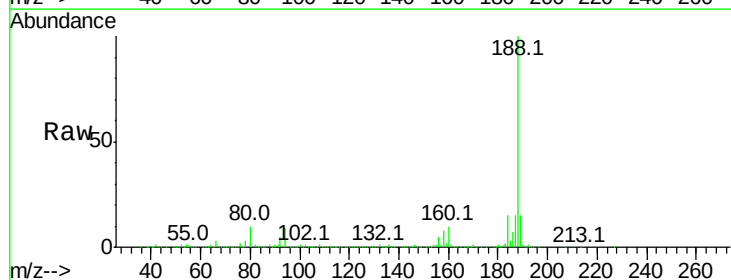
RT: 11.51 min Scan# 1560

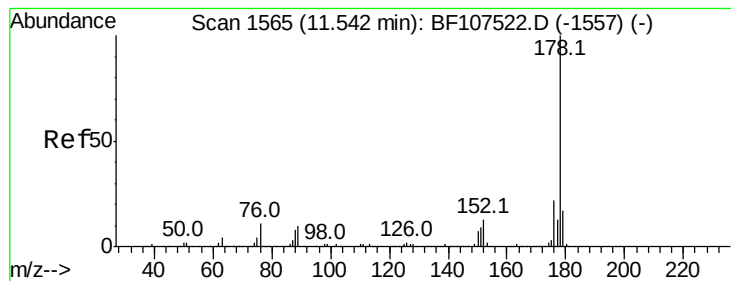
Delta R.T. -0.00 min

Lab File: BF107584.D

Acq: 23 Jul 2018 13:31

Tgt Ion:	188	Resp:	940644
Ion Ratio	Lower	Upper	
188	100		
94	9.0	8.5	12.7
80	9.7	9.2	13.8





#70

Phenanthrene

Concen: 3.157 ng

RT: 11.54 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF107584.D

Acq: 23 Jul 2018 13:31

Instrument :

BNA_F

ClientSampleId :

RBR200029

Tot Ion:178 Resp: 144713

Ion Ratio Lower Upper

178 100

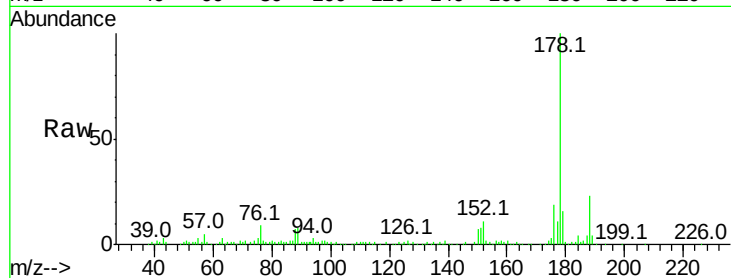
176 19.4 15.8 23.8

179 15.8 13.0 19.6

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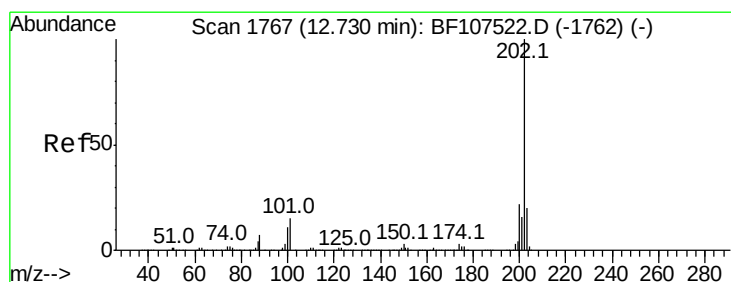
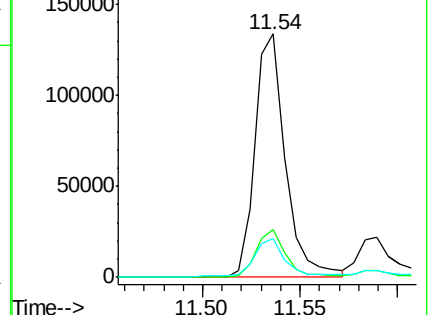
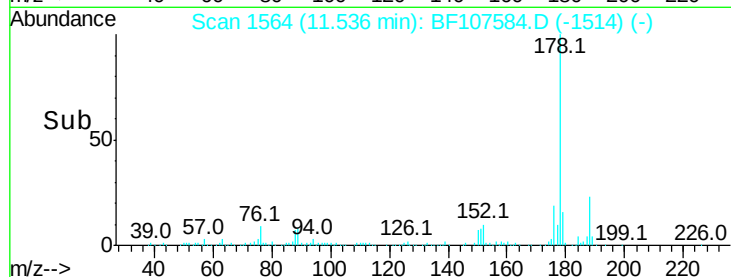
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 6.445 ng

RT: 12.72 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF107584.D

Acq: 23 Jul 2018 13:31

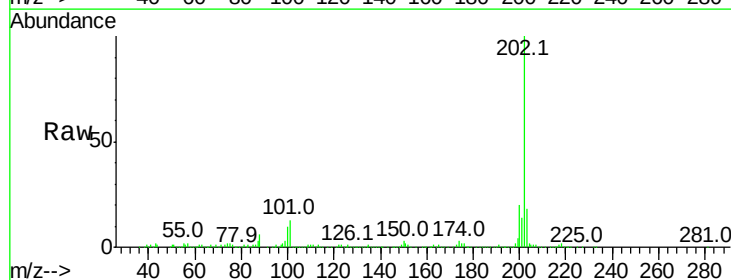
Tgt Ion:202 Resp: 317004

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

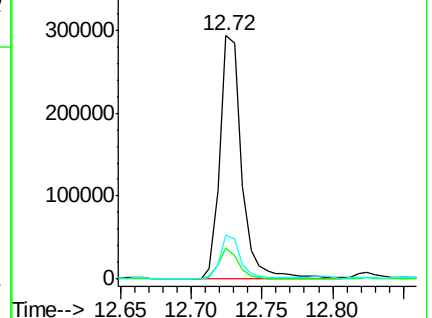
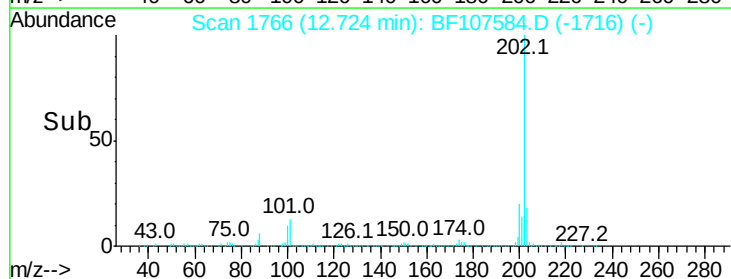
203 18.0 0.0 38.1

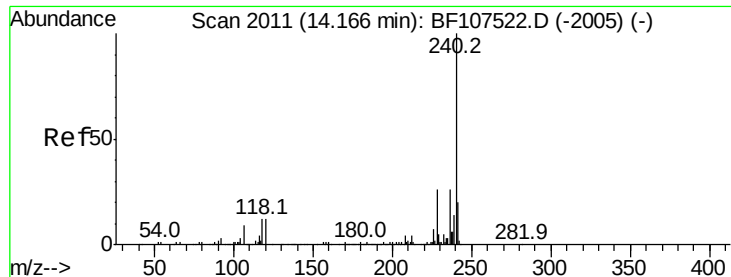


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107584.D

Acq: 23 Jul 2018 13:31

Instrument :

BNA_F

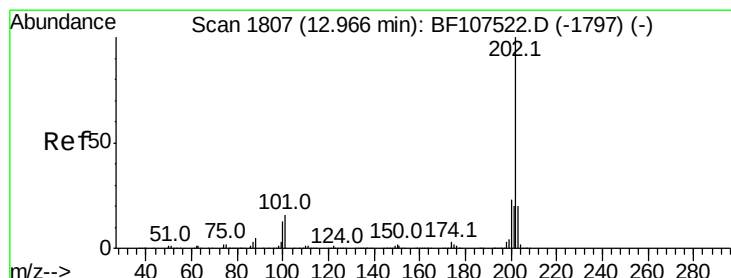
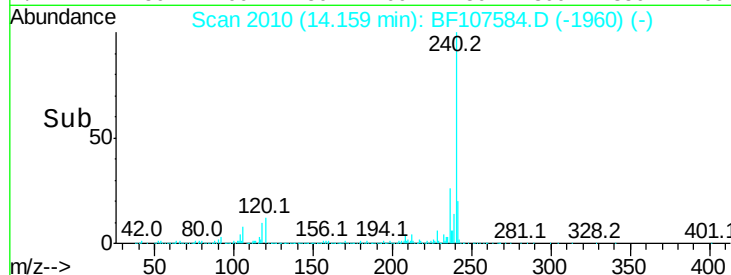
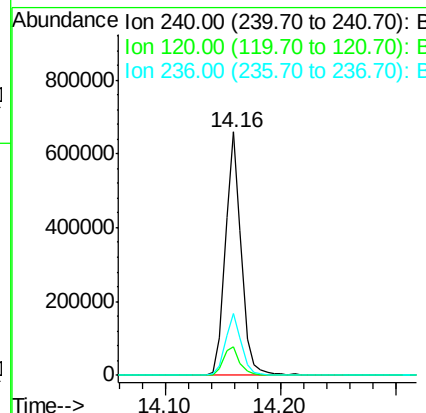
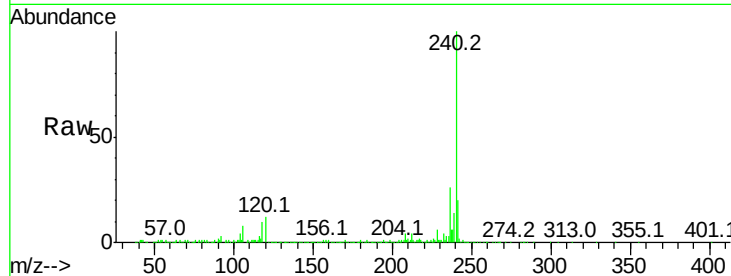
ClientSampleId :

RBR200029

Tot Ion:	240	Resp:	621680
Ion Ratio	Lower	Upper	
240	100		
120	11.9	9.5	14.3
236	25.6	20.7	31.1

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#77

Pyrene

Concen: 6.979 ng

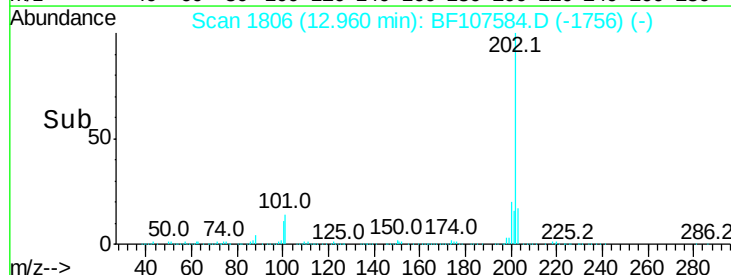
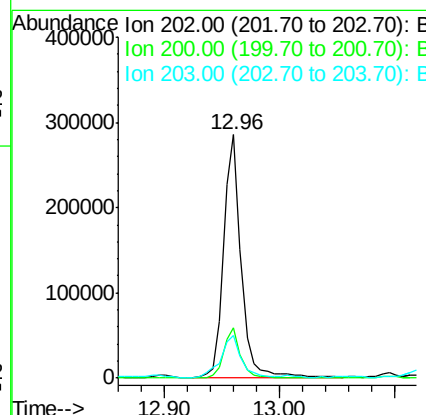
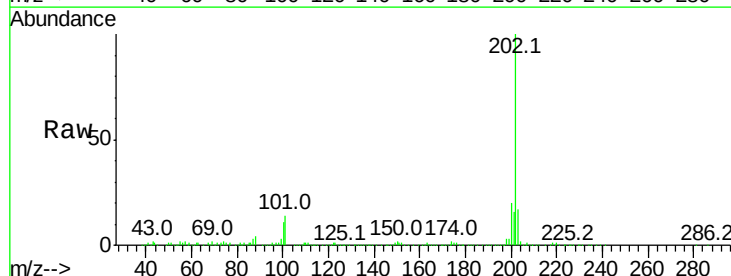
RT: 12.96 min Scan# 1806

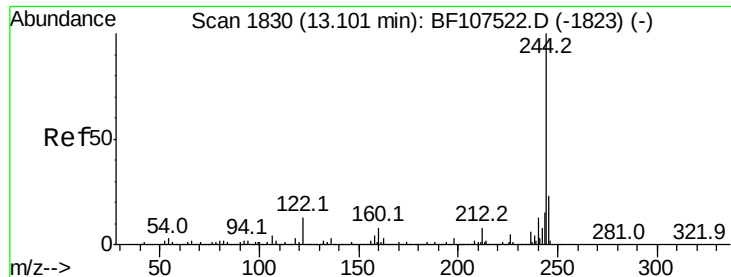
Delta R.T. -0.01 min

Lab File: BF107584.D

Acq: 23 Jul 2018 13:31

Tgt Ion:	202	Resp:	296787
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	17.3	14.3	21.5





#78

Terphenyl-d14

Concen: 62.814 ng

RT: 13.09 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF107584.D

Acq: 23 Jul 2018 13:31

Instrument :

BNA_F

ClientSampleId :

RBR200029

Tot Ion:244 Resp: 1525343

Ion Ratio Lower Upper

244 100

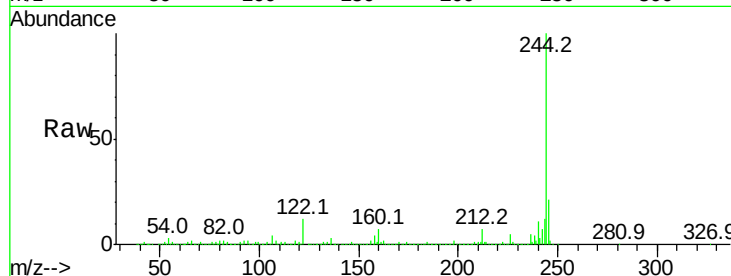
212 7.0 5.4 8.0

122 11.8 11.0 16.4

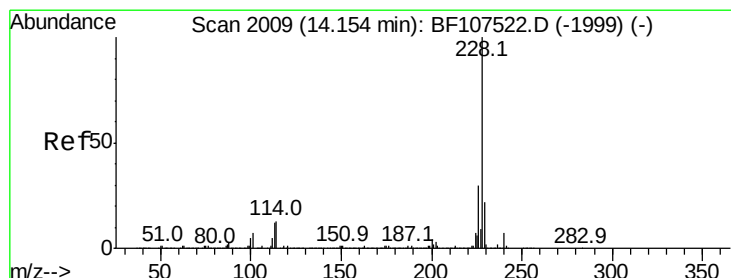
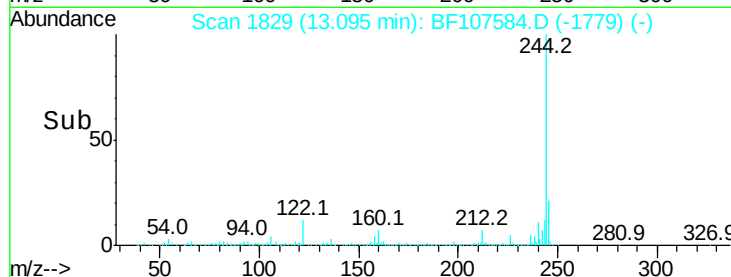
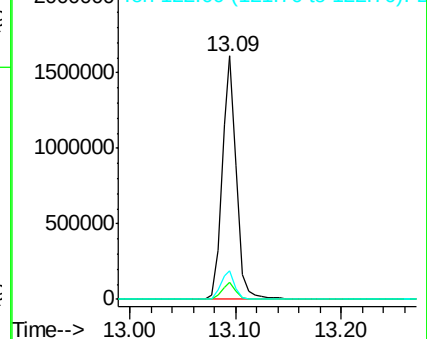
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.072 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107584.D

Acq: 23 Jul 2018 13:31

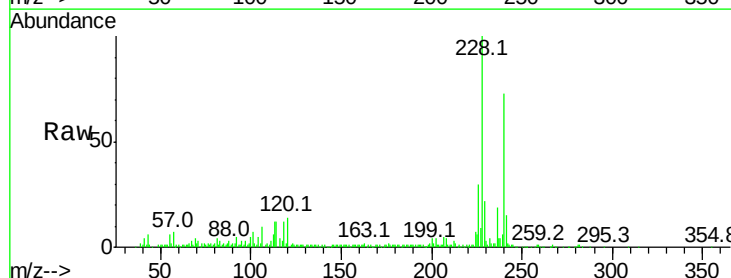
Tgt Ion:228 Resp: 148360

Ion Ratio Lower Upper

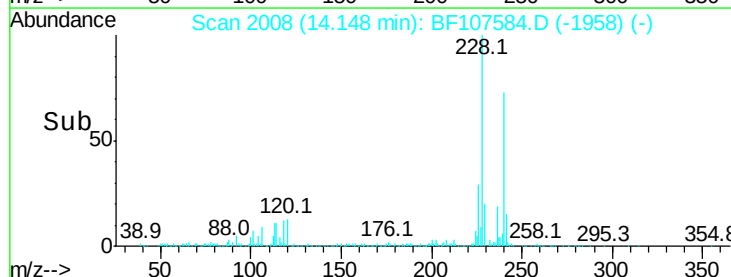
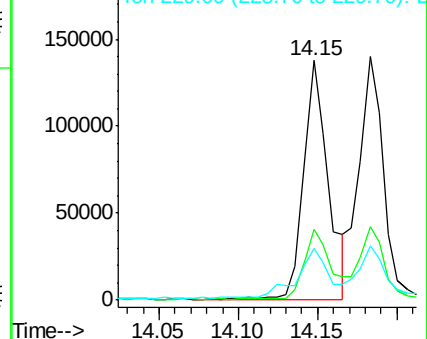
228 100

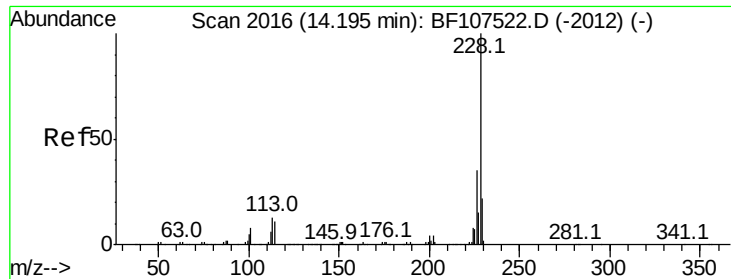
226 29.6 22.6 33.8

229 21.7 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





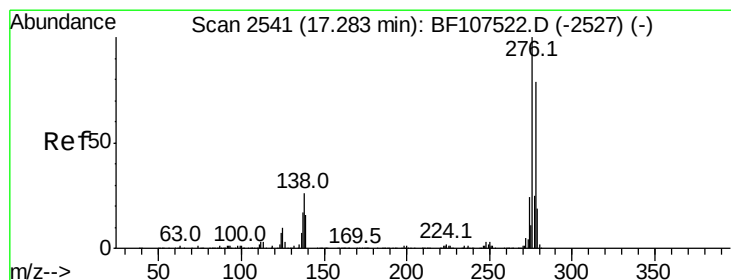
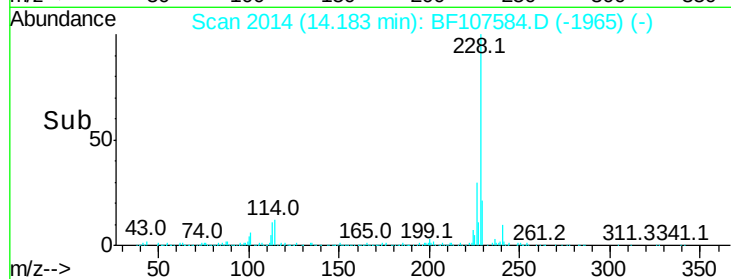
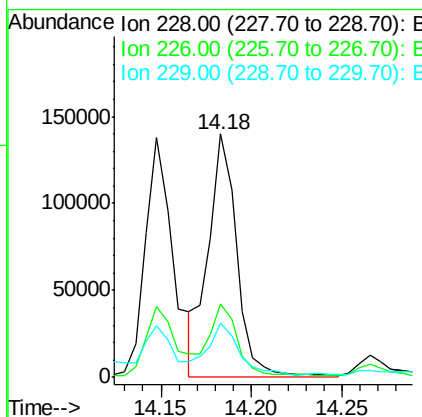
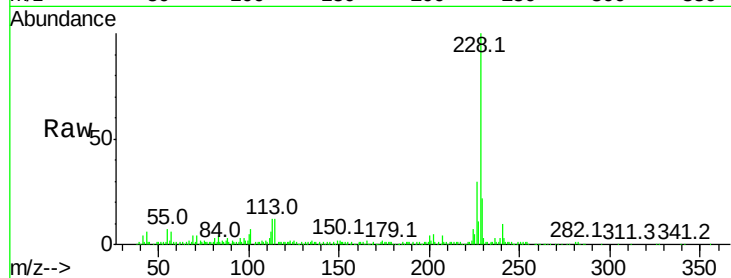
#82
Chrysene
Concen: 4.334 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107584.D
Acq: 23 Jul 2018 13:31

Instrument :
BNA_F
ClientSampleId :
RBR200029

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.0	16.2	24.4

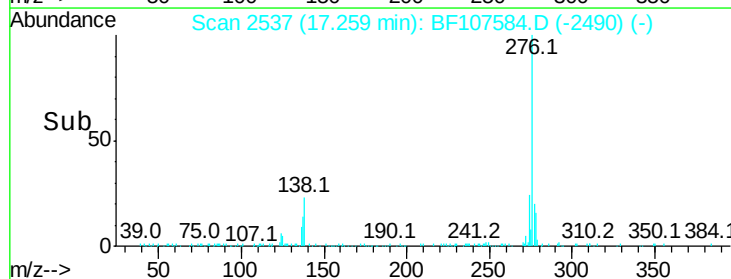
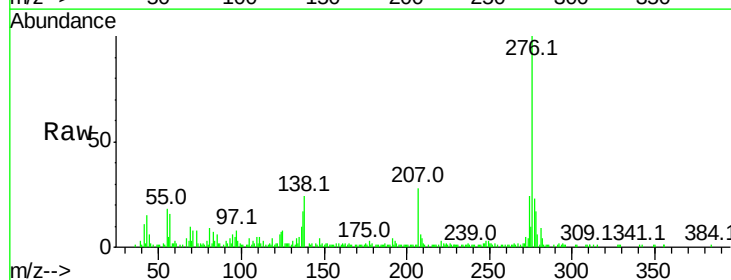
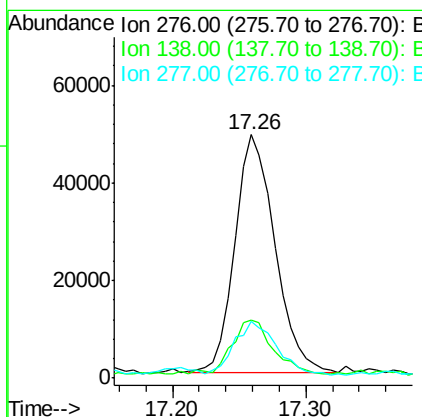
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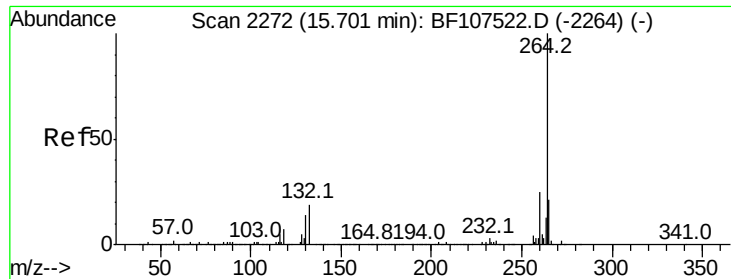
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.421 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.02 min
Lab File: BF107584.D
Acq: 23 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.0	25.0	37.6#
277	23.6	20.1	30.1





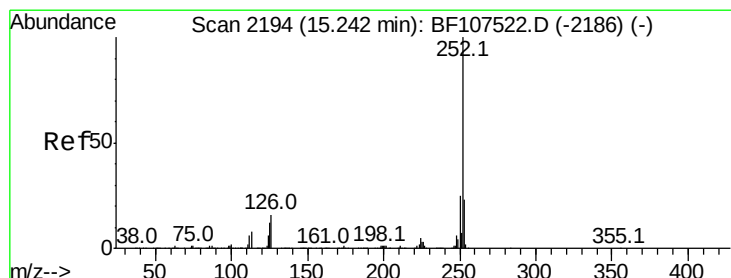
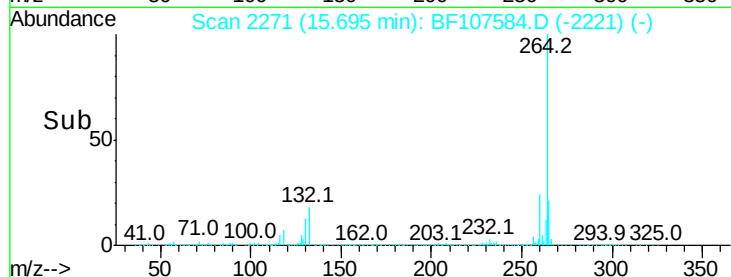
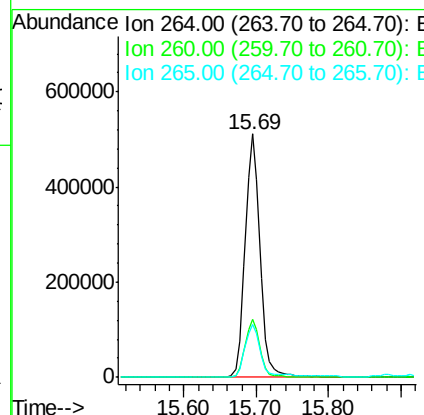
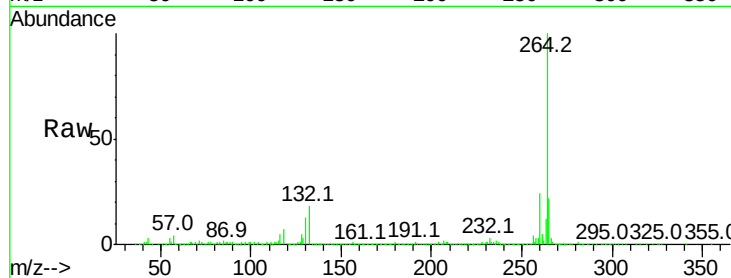
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF107584.D
Acq: 23 Jul 2018 13:31

Instrument :
BNA_F
ClientSampled :
RBR200029

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	17.5	26.3

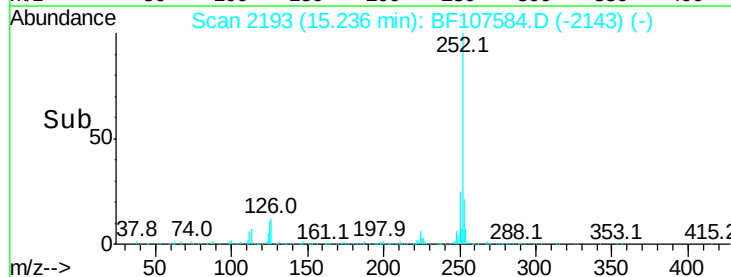
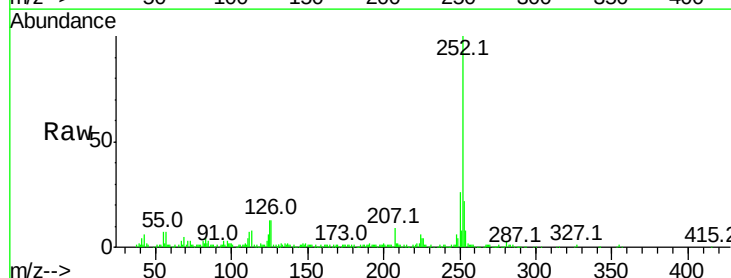
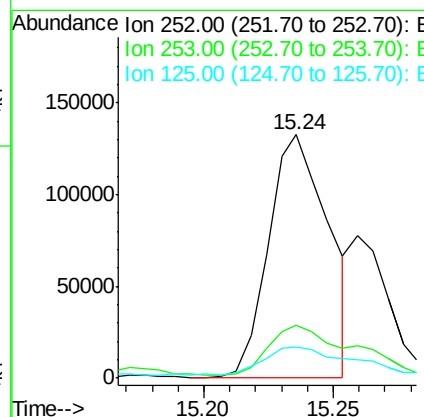
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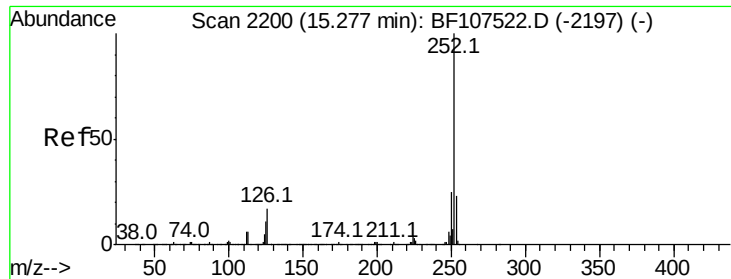
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#87
Benzo(b)fluoranthene
Concen: 5.387 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF107584.D
Acq: 23 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	12.9	9.0	13.6





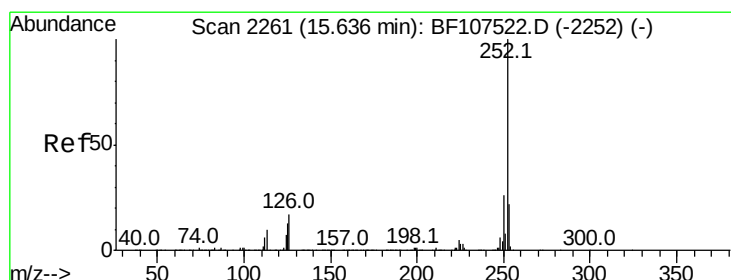
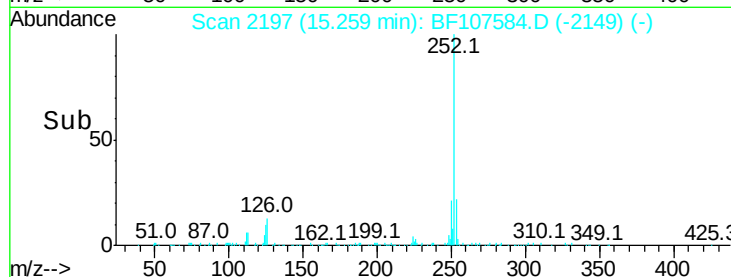
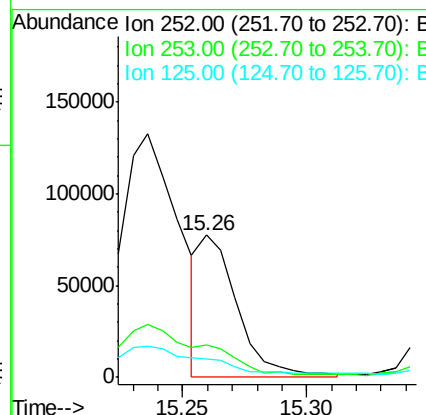
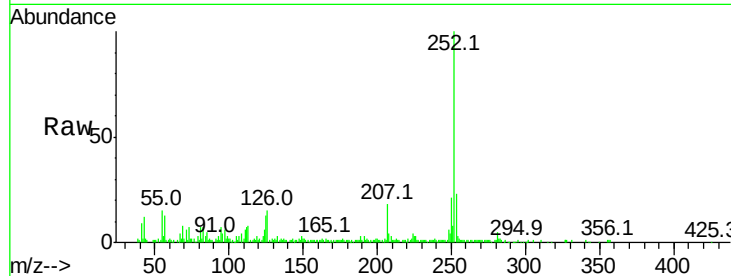
#88
Benzo(k)fluoranthene
Concen: 2.093 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF107584.D
Acq: 23 Jul 2018 13:31

Instrument :
BNA_F
ClientSampleId :
RBR200029

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	12.6	10.2	15.2

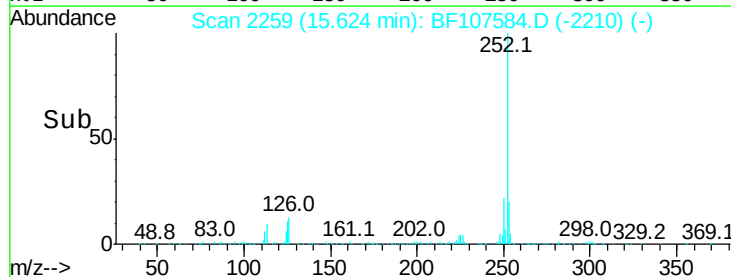
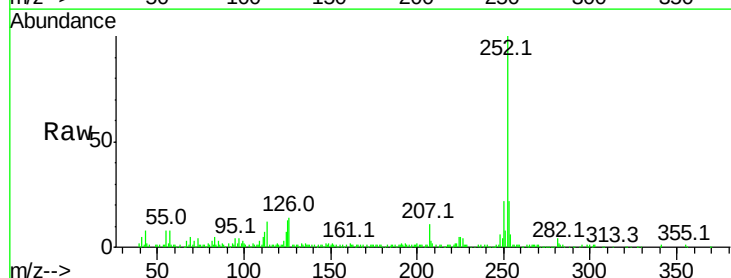
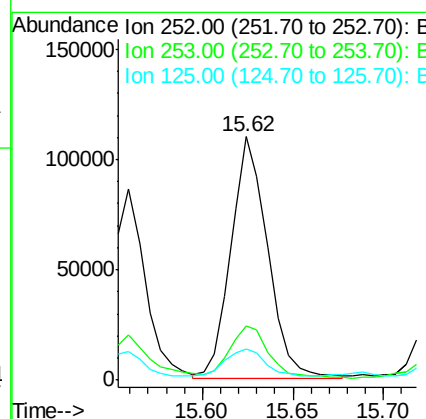
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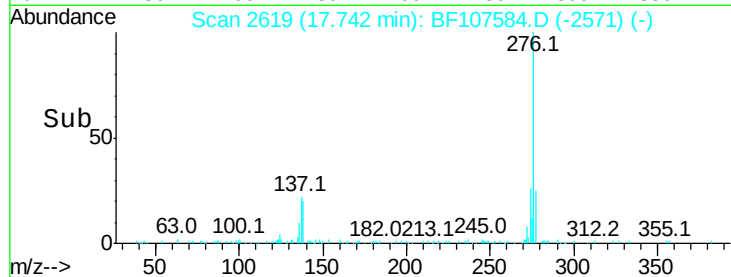
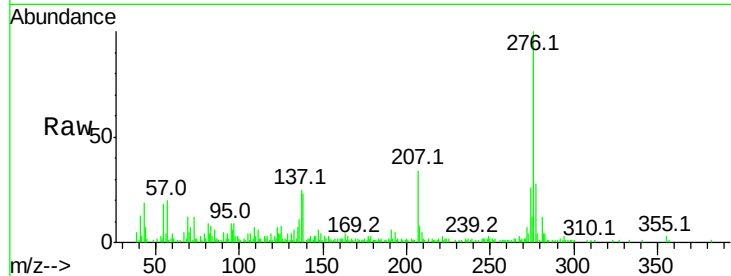
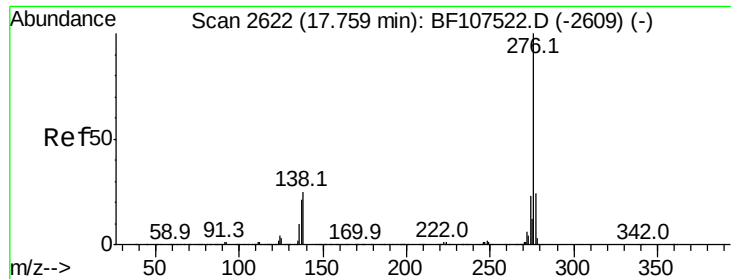
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#89
Benzo(a)pyrene
Concen: 4.206 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF107584.D
Acq: 23 Jul 2018 13:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	12.6	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.063 ng
 RT: 17.74 min Scan# 2619
 Delta R.T. -0.02 min
 Lab File: BF107584.D
 Acq: 23 Jul 2018 13:31

Instrument :
 BNA_F
 ClientSampleId :
 RBR200029

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.6	17.9	26.9#
138	23.2	21.8	32.8

Manual Integrations
 APPROVED

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