

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
 Data File : BF107602.D
 Acq On : 23 Jul 2018 21:34
 Operator : JU/SJ
 Sample : J4101-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
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Quant Time: Jul 24 11:49:19 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	6.98	152	243502	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	852262	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	321442	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	652026	20.00	ng	0.00
75) Chrysene-d12	14.17	240	524410	20.00	ng	0.00
86) Perylene-d12	15.71	264	404155	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	992443	65.53	ng	0.00
7) Phenol-d6	6.61	99	1192060	65.55	ng	0.00
23) Nitrobenzene-d5	7.54	82	685579	54.29	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	278910	76.30	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1210204	59.06	ng	0.00
78) Terphenyl-d14	13.10	244	1195385	58.36	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.72	163	105116	4.339	ng	98
70) Phenanthrene	11.54	178	164726	5.184	ng	97
74) Fluoranthene	12.74	202	518712	15.214	ng	94
77) Pyrene	12.97	202	416464	11.610	ng	98
80) Benzo(a)anthracene	14.15	228	217182	7.067	ng	98
82) Chrysene	14.19	228	223942	7.586	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	79196m	3.165	ng	
87) Benzo(b)fluoranthene	15.25	252	216221m	9.775	ng	
88) Benzo(k)fluoranthene	15.27	252	85588m	3.950	ng	
89) Benzo(a)pyrene	15.64	252	130240	6.437	ng	# 94
91) Benzo(g,h,i)perylene	17.77	276	70202	4.069	ng	96

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

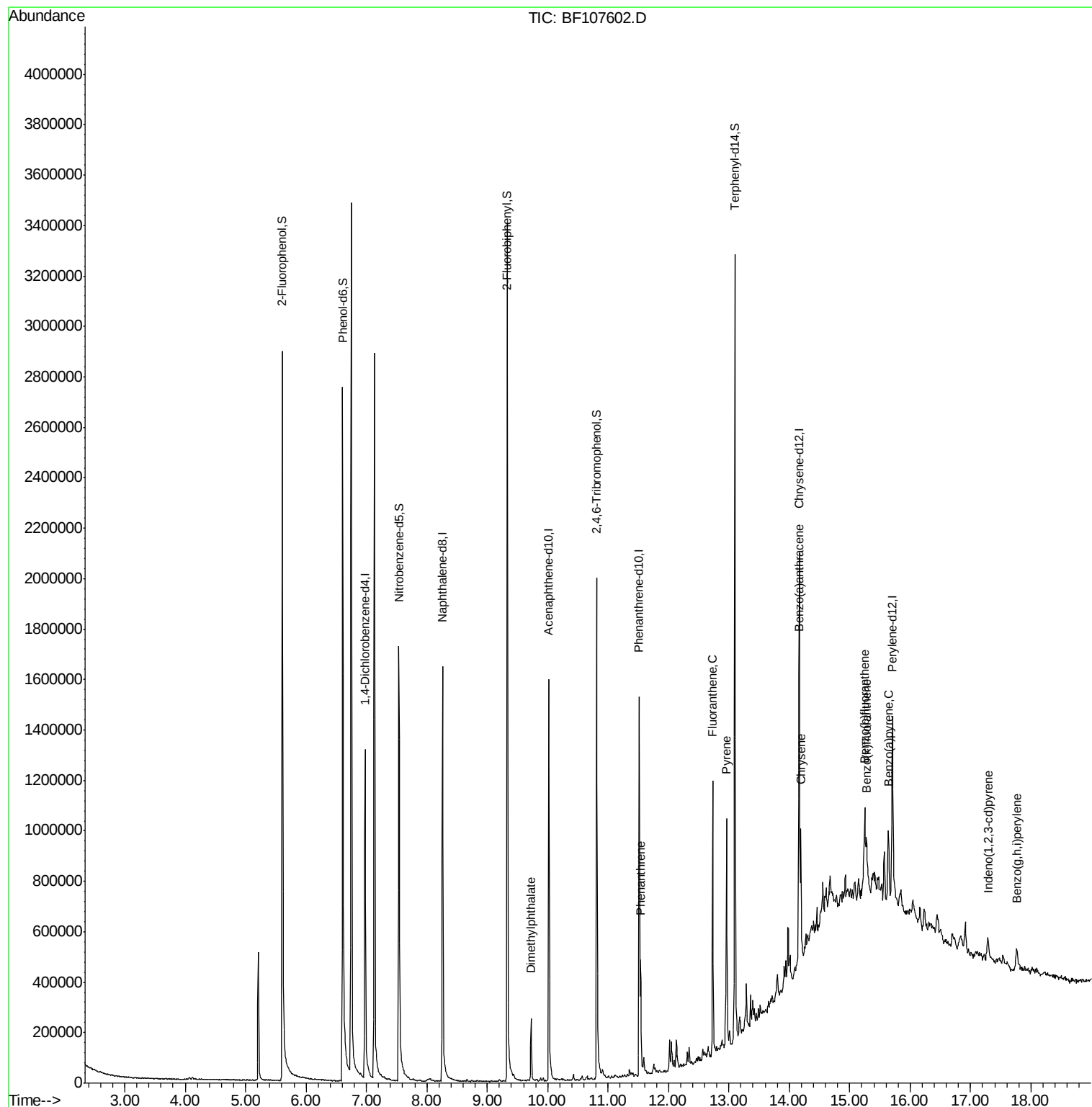
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
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Misc :
ALS Vial : 24 Sample Multiplier: 1

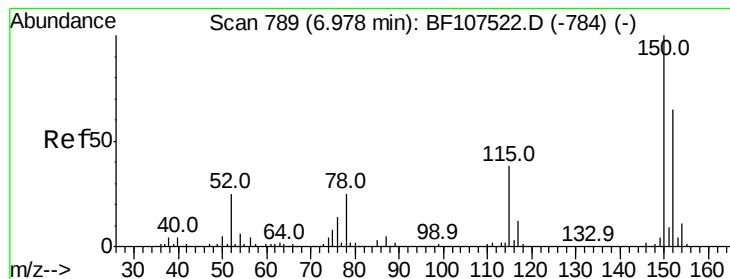
Instrument :
BNA_F
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TP-1

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#1

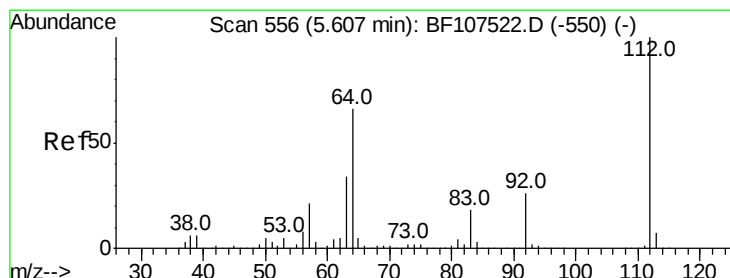
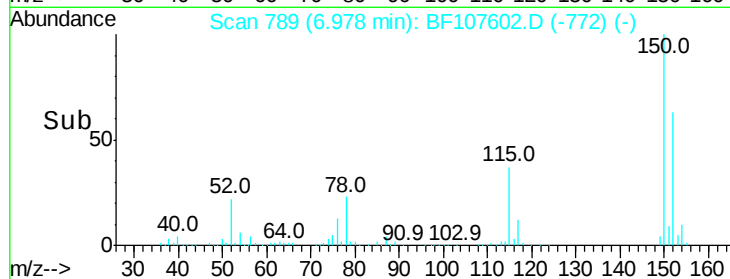
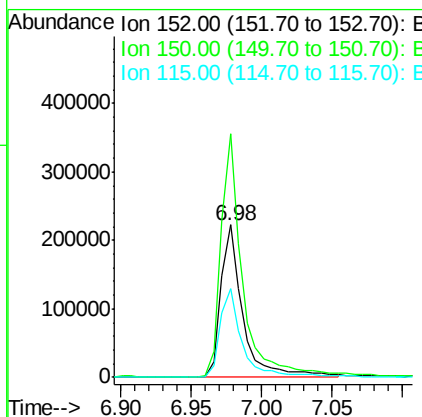
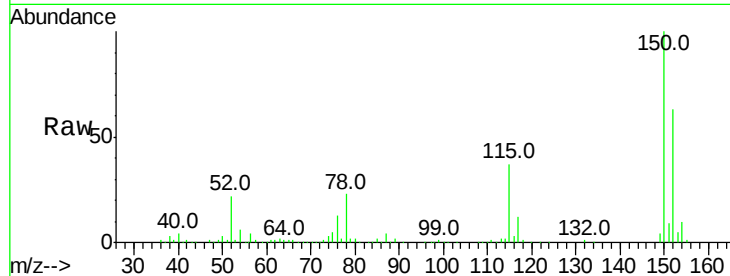
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF107602.D
Acq: 23 Jul 2018 21:34

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.6	186.8
115	58.3	50.1	75.1

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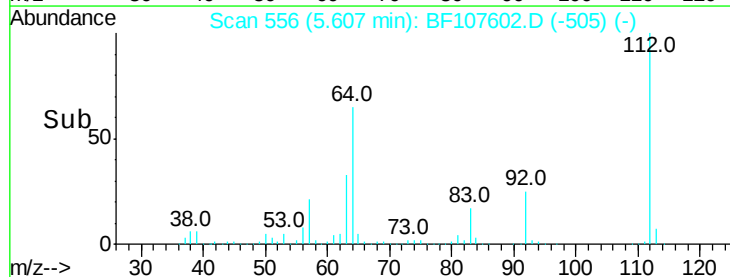
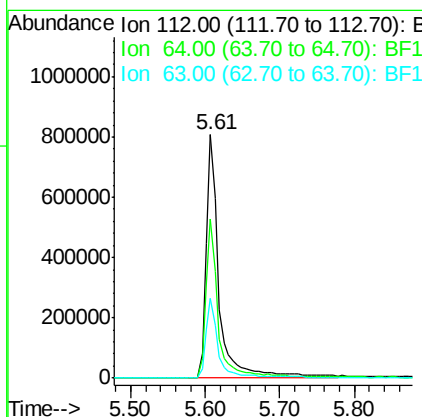
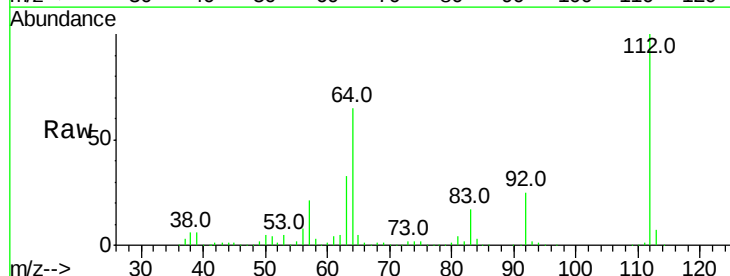
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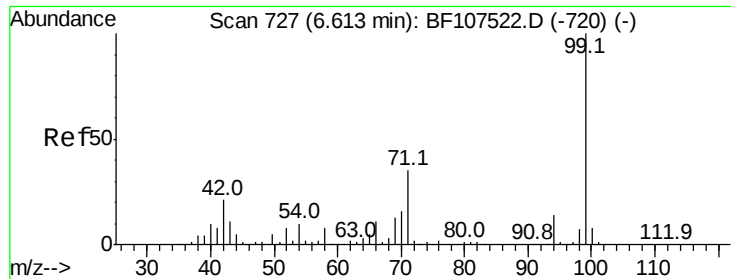


#5

2-Fluorophenol
Concen: 65.530 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107602.D
Acq: 23 Jul 2018 21:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	47.9	71.9
63	32.8	23.7	35.5





#7

Phenol-d6

Concen: 65.551 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

Instrument :

BNA_F

ClientSampled :

TP-1

Tot Ion: 99 Resp: 1192060

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

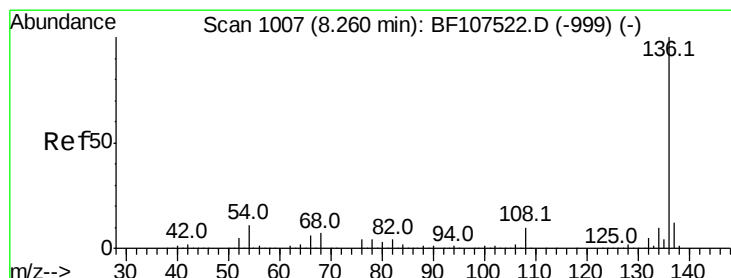
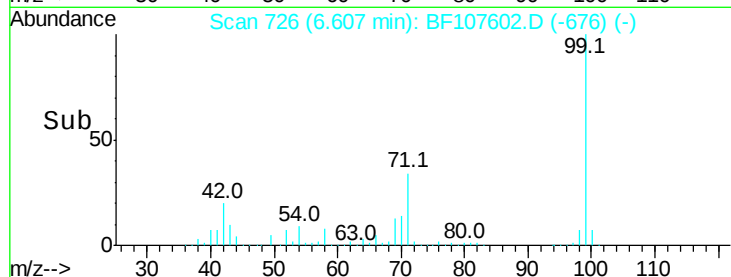
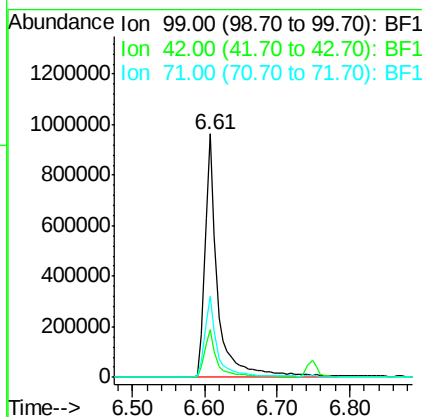
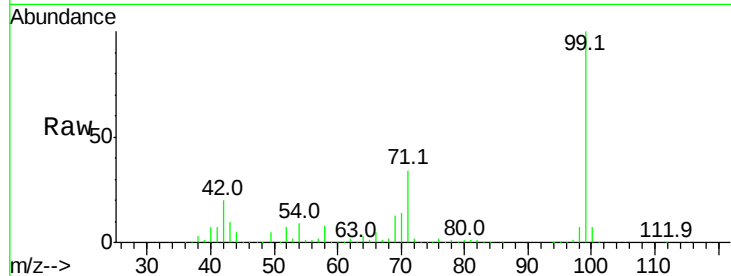
71 33.5 25.4 38.0

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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: BF107602.D

Acq: 23 Jul 2018 21:34

Tgt Ion: 136 Resp: 852262

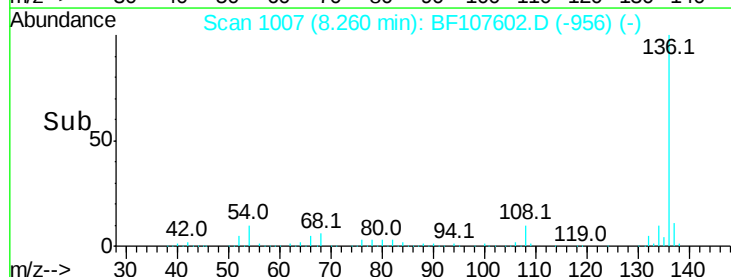
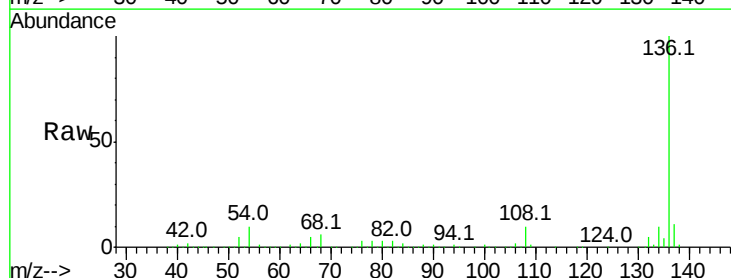
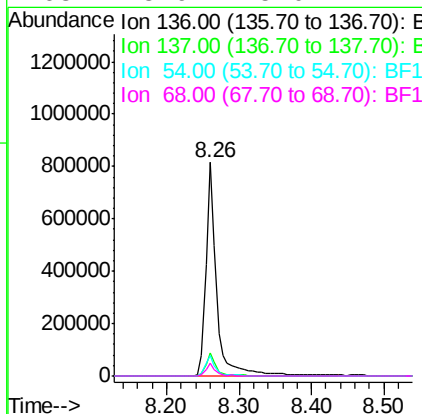
Ion Ratio Lower Upper

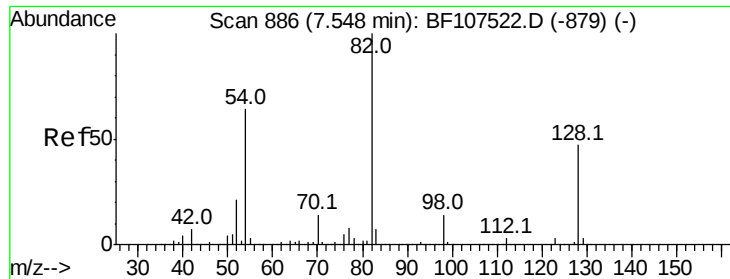
136 100

137 10.9 8.9 13.3

54 9.8 6.6 9.8

68 5.9 5.0 7.4





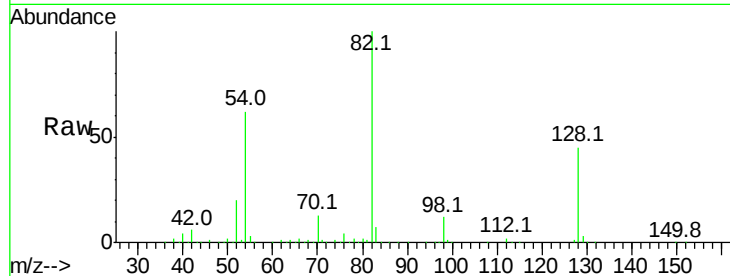
#23
 Nitrobenzene-d5
 Concen: 54.289 ng
 RT: 7.54 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF107602.D
 Acq: 23 Jul 2018 21:34

Instrument :
 BNA_F
 ClientSampled :
 TP-1

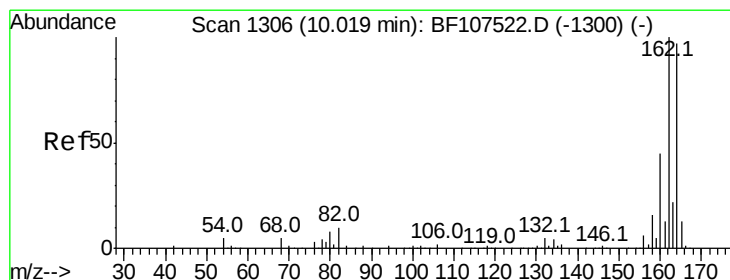
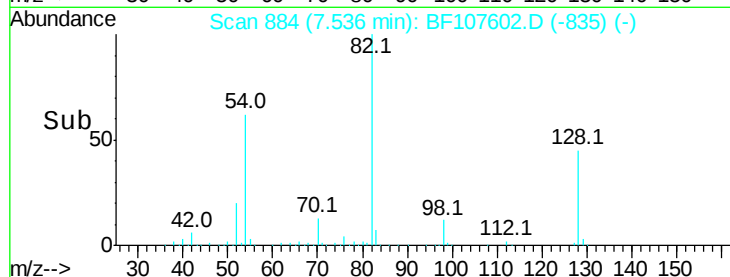
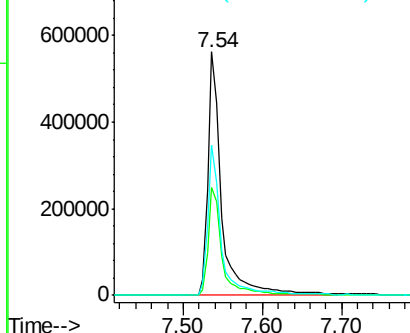
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	61.7	41.4	62.2

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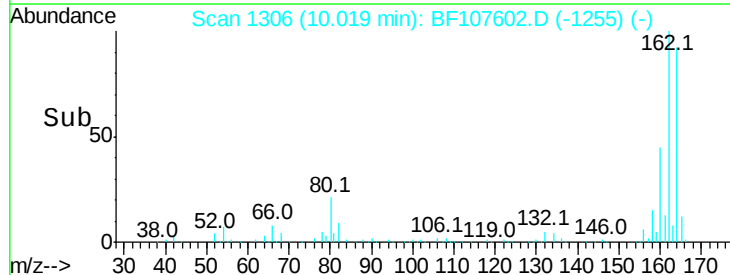
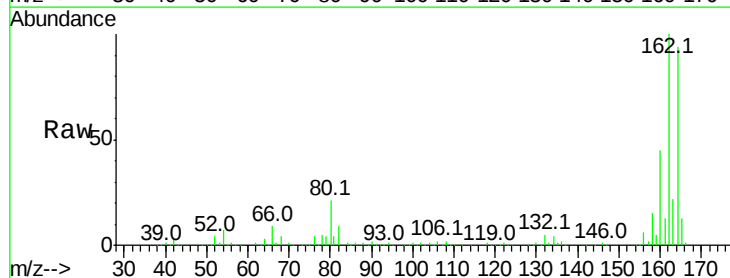
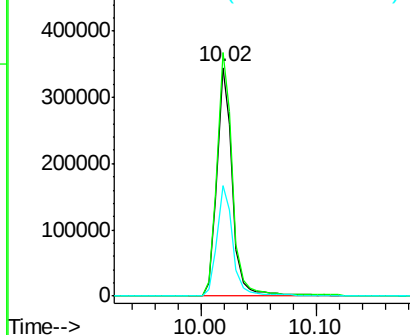
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

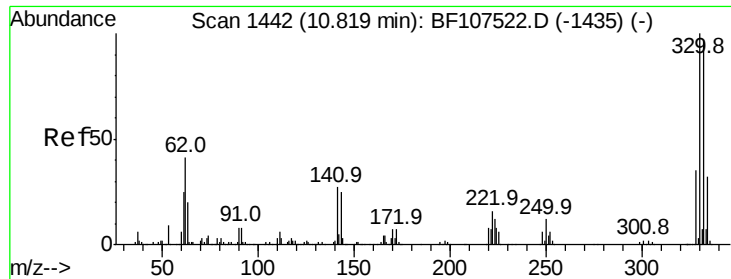


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF107602.D
 Acq: 23 Jul 2018 21:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.6	86.1	129.1
160	48.5	38.3	57.5

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





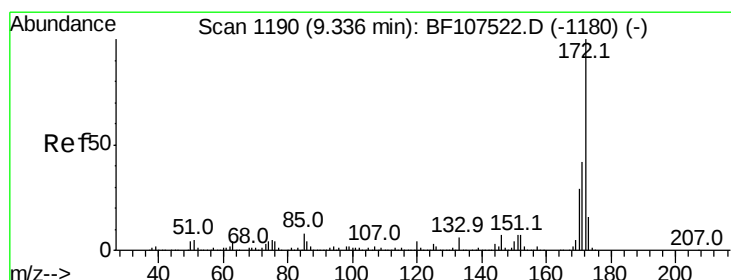
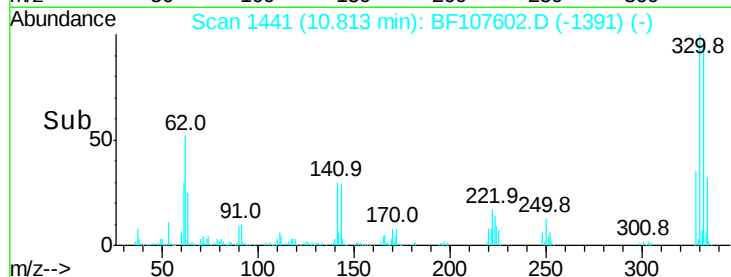
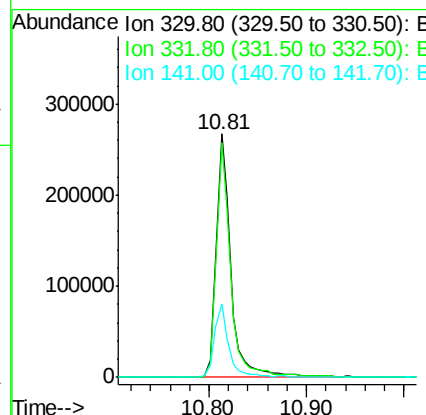
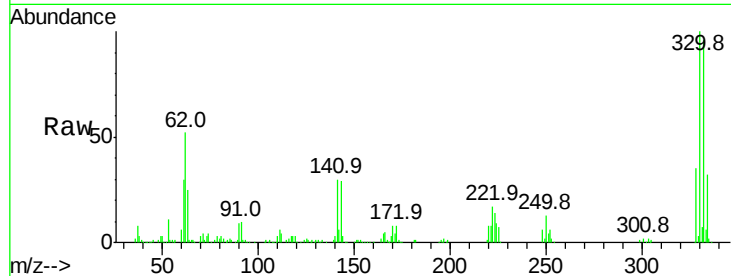
#41
 2,4,6-Tribromophenol
 Concen: 76.303 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107602.D
 Acq: 23 Jul 2018 21:34

Instrument :
 BNA_F
 ClientSampled :
 TP-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.8	77.0	115.6	
141	29.3	29.9	44.9	

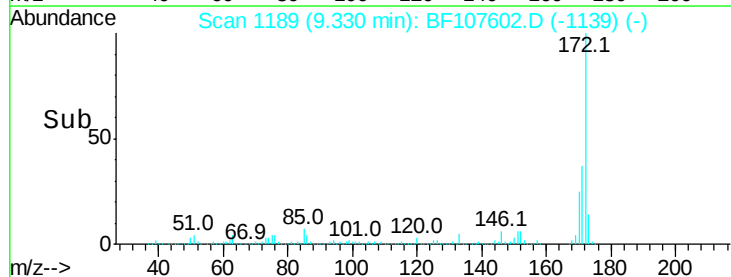
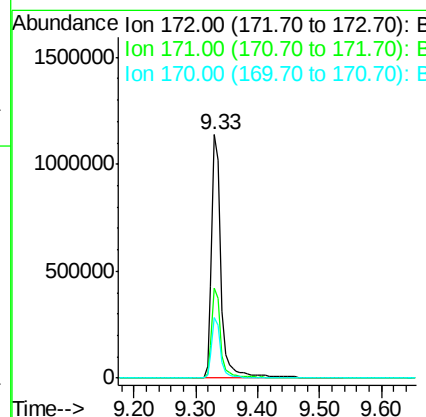
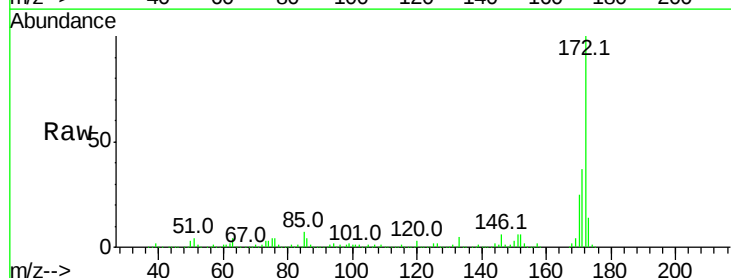
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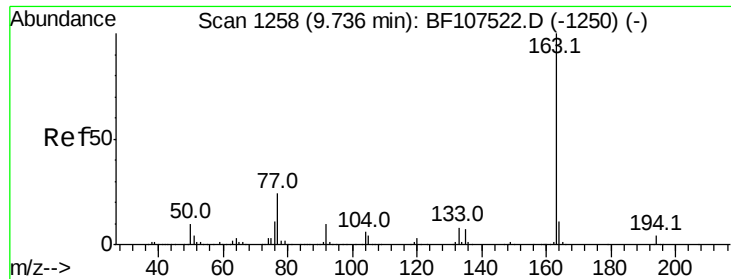
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#44
 2-Fluorobiphenyl
 Concen: 59.056 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107602.D
 Acq: 23 Jul 2018 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.8	29.7	44.5	
170	24.7	19.6	29.4	





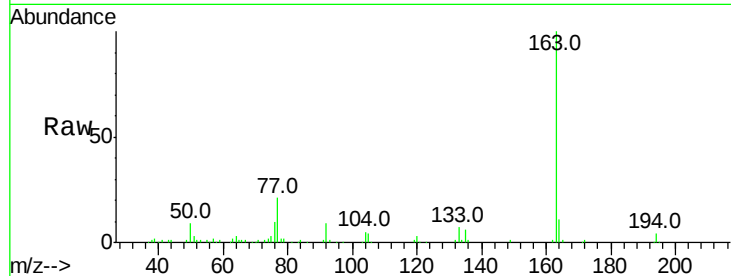
#49
Dimethylphthalate
Concen: 4.339 ng
RT: 9.72 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF107602.D
Acq: 23 Jul 2018 21:34

Instrument :
BNA_F
ClientSampled :
TP-1

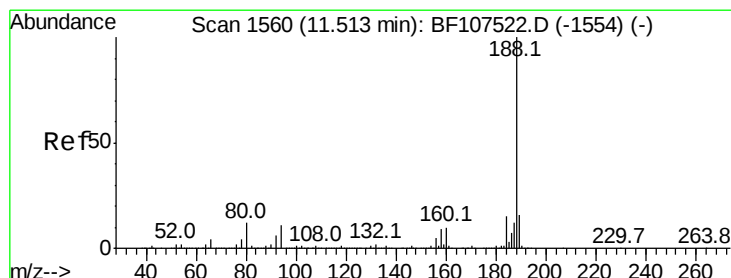
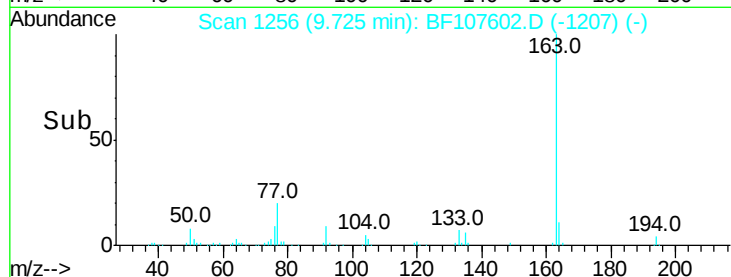
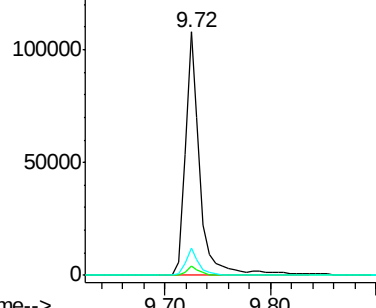
Tot Ion	Ratio	Resp	Lower	Upper
163	100	105116		
194	3.9		2.7	4.1
164	11.1		8.2	12.2

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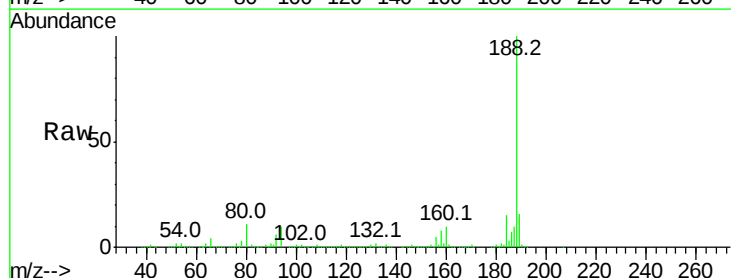


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

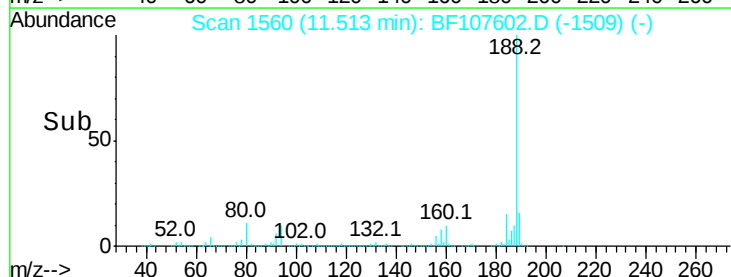
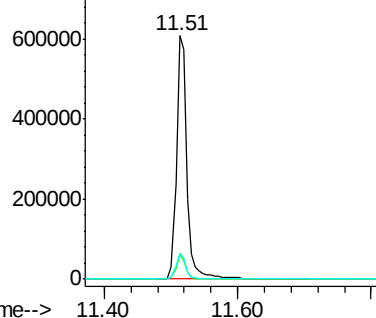


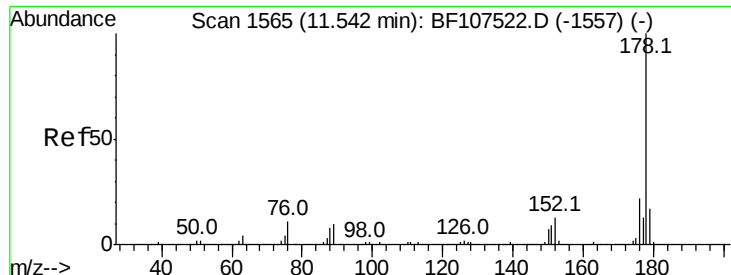
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF107602.D
Acq: 23 Jul 2018 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	652026		
94	10.2		8.5	12.7
80	10.7		9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 5.184 ng

RT: 11.54 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

Instrument :

BNA_F

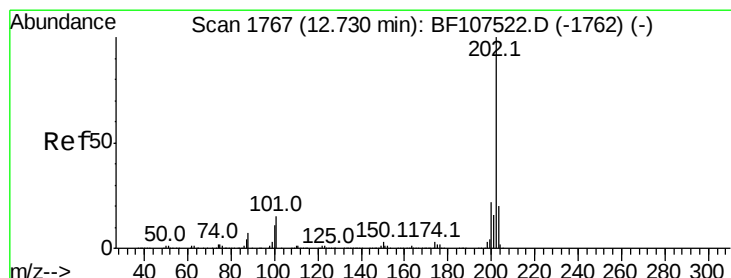
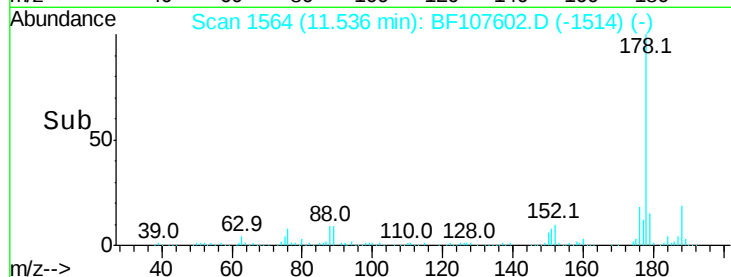
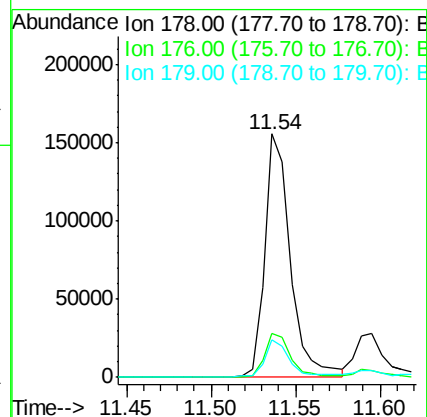
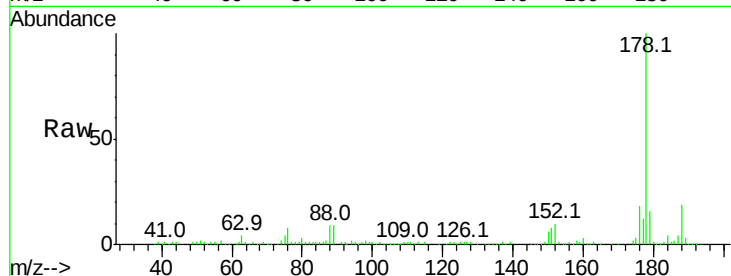
ClientSampled :

TP-1

Tot Ion:178	Resp:	164726
Ion Ratio	Lower	Upper
178	100	
176	18.0	15.8 23.8
179	15.7	13.0 19.6

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#74

Fluoranthene

Concen: 15.214 ng

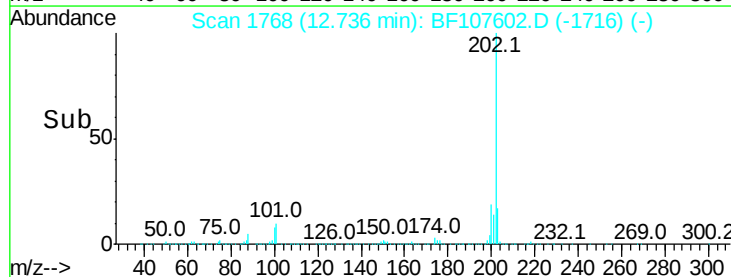
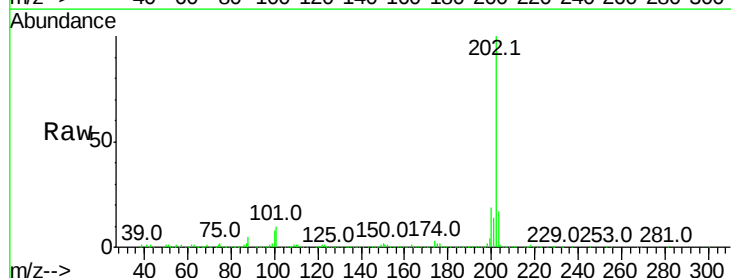
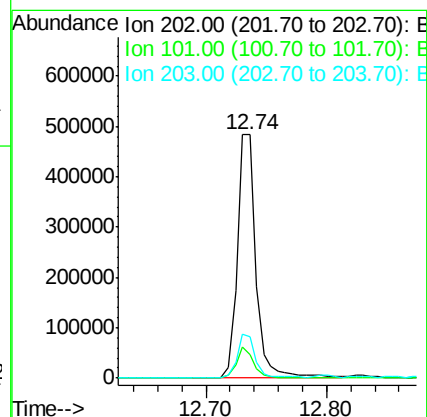
RT: 12.74 min Scan# 1768

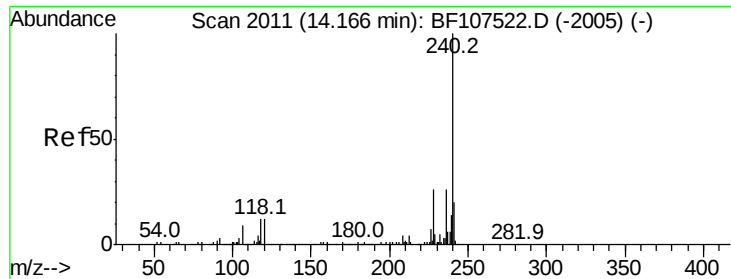
Delta R.T. 0.01 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

Tgt Ion:202	Resp:	518712
Ion Ratio	Lower	Upper
202	100	
101	9.8	0.0 34.1
203	17.1	0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

Instrument :

BNA_F

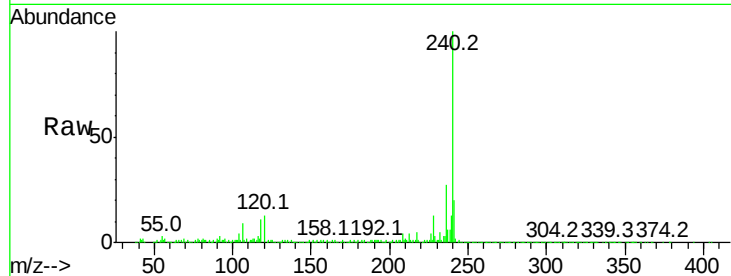
ClientSampled :

TP-1

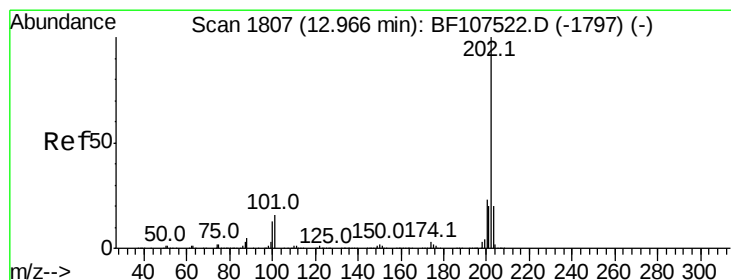
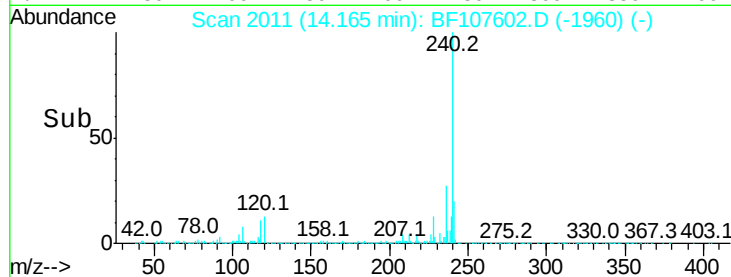
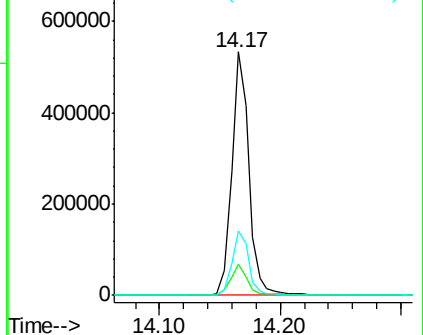
Tot Ion:	240	Resp:	524410
Ion Ratio	Lower	Upper	
240	100		
120	12.7	9.5	14.3
236	26.6	20.7	31.1

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 11.610 ng

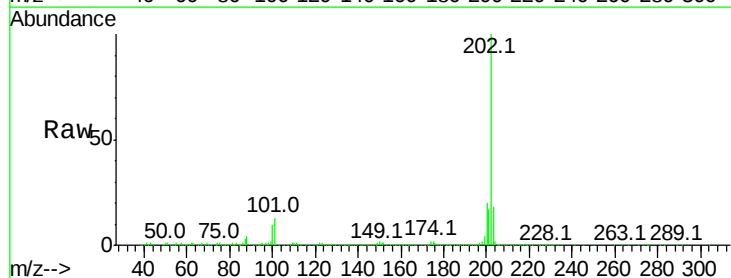
RT: 12.97 min Scan# 1807

Delta R.T. -0.00 min

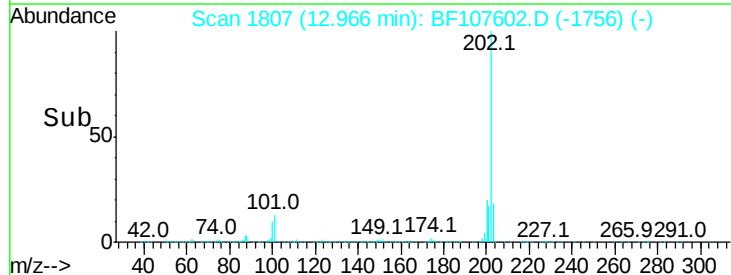
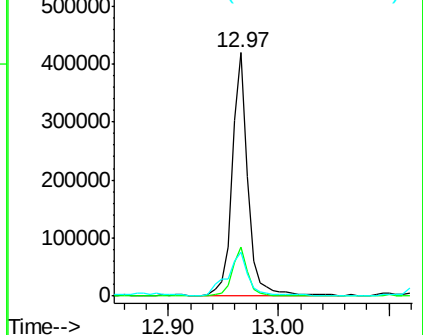
Lab File: BF107602.D

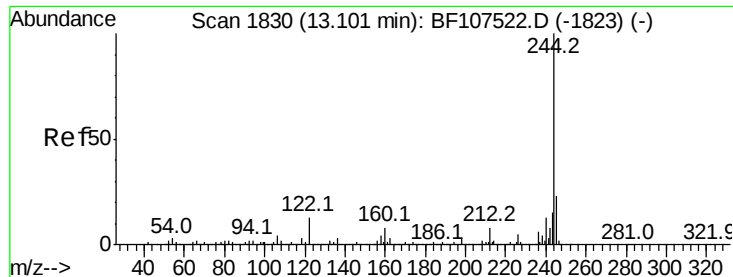
Acq: 23 Jul 2018 21:34

Tgt Ion:	202	Resp:	416464
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.4	26.2
203	18.0	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.357 ng

RT: 13.10 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

Instrument :

BNA_F

ClientSampled :

TP-1

Tot Ion:244 Resp: 1195385

Ion Ratio Lower Upper

244 100

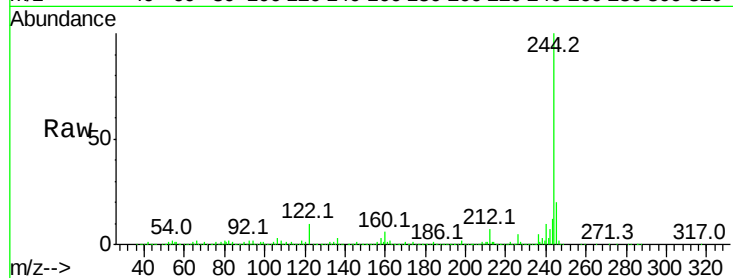
212 7.0 5.4 8.0

122 10.5 11.0 16.4#

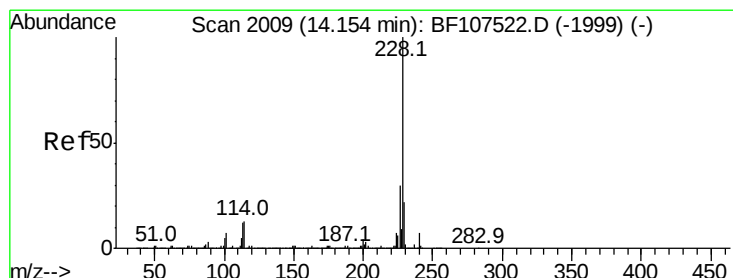
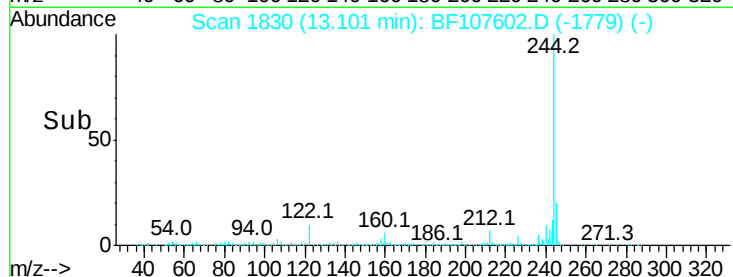
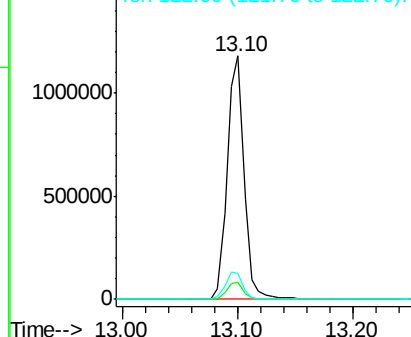
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 7.067 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

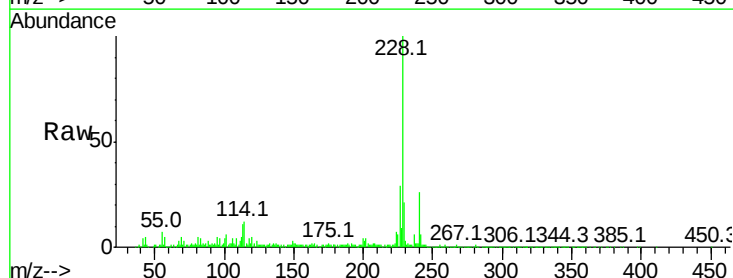
Tgt Ion:228 Resp: 217182

Ion Ratio Lower Upper

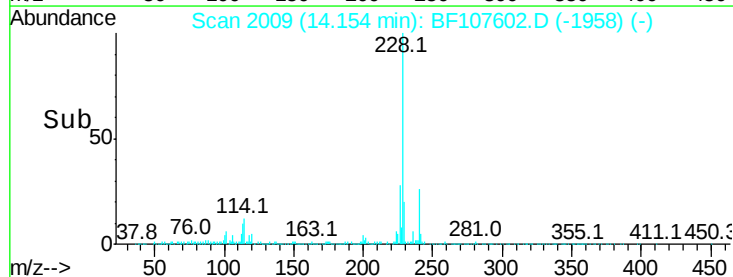
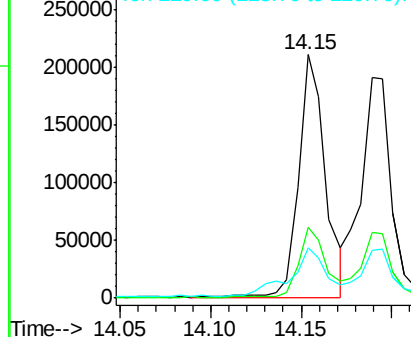
228 100

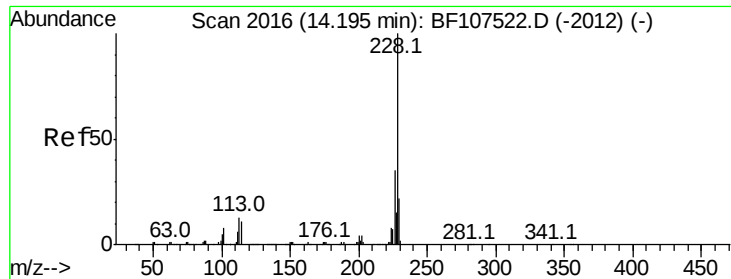
226 29.0 22.6 33.8

229 20.7 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





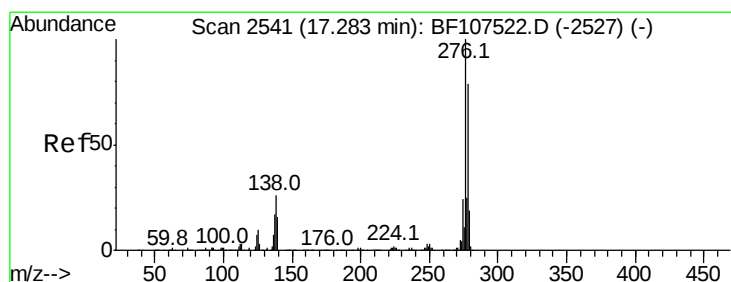
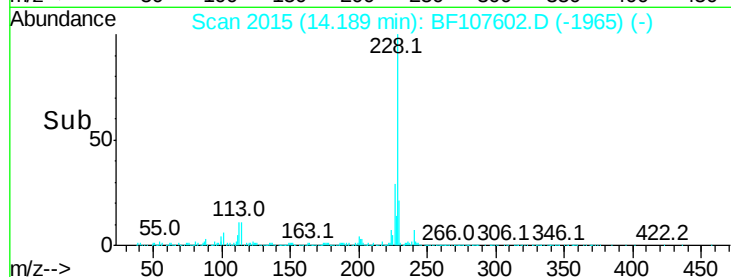
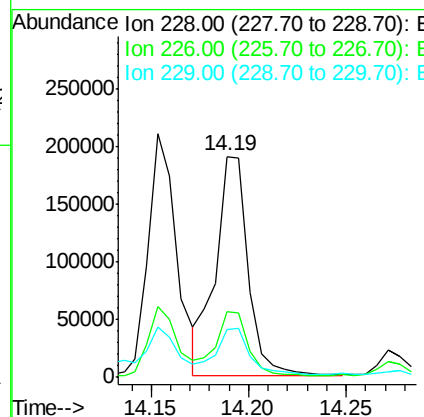
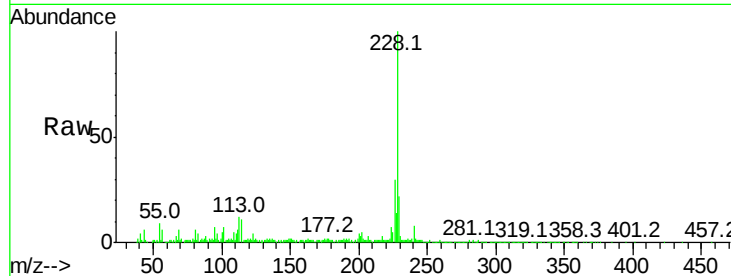
#82
Chrysene
Concen: 7.586 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF107602.D
Acq: 23 Jul 2018 21:34

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	21.6	16.2	24.4

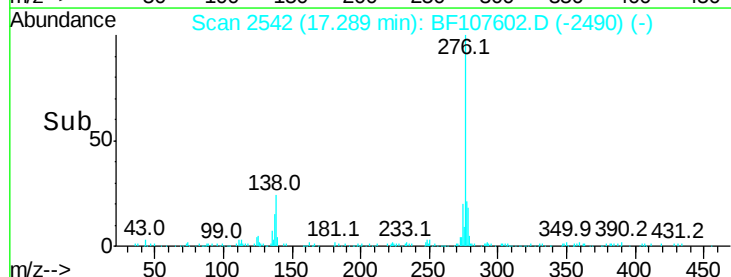
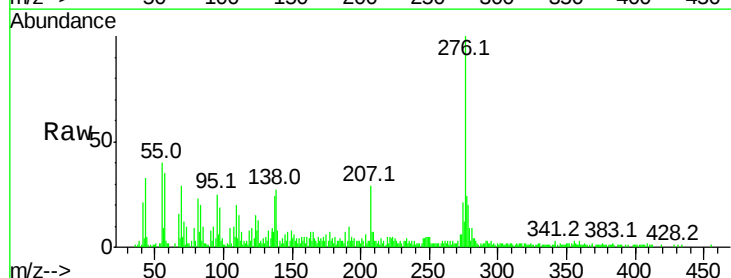
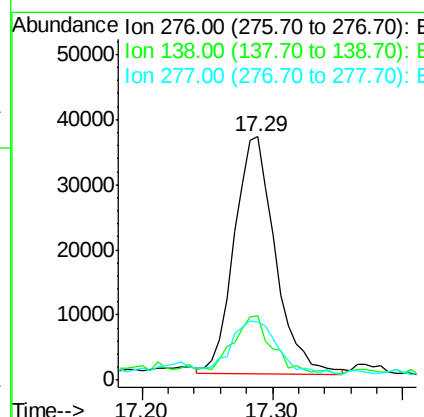
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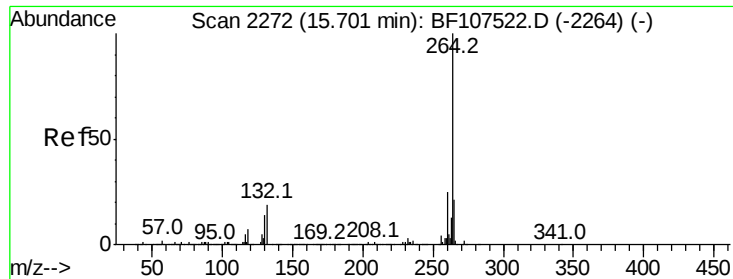
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.165 ng m
RT: 17.29 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF107602.D
Acq: 23 Jul 2018 21:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	1.0	25.0	37.6#
277	0.8	20.1	30.1#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

Instrument :

BNA_F

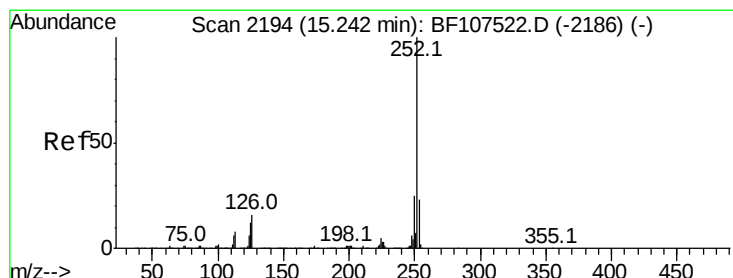
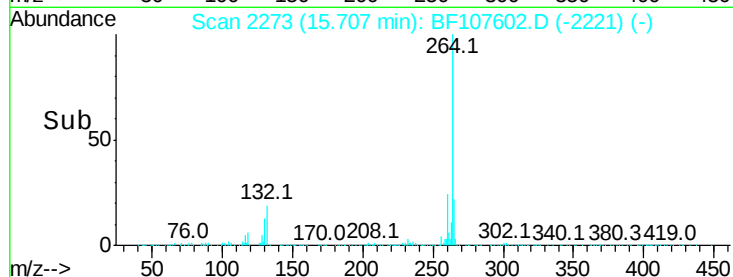
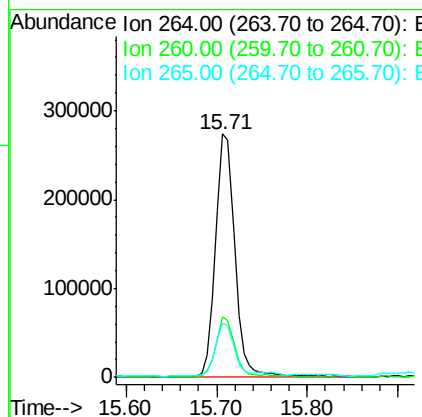
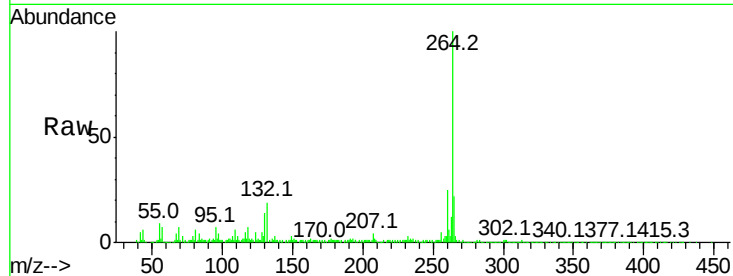
ClientSampled :

TP-1

Tot Ion:	264	Resp:	404155
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.2	28.8
265	22.3	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 9.775 ng m

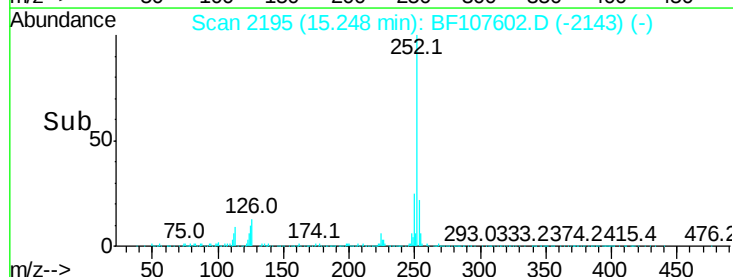
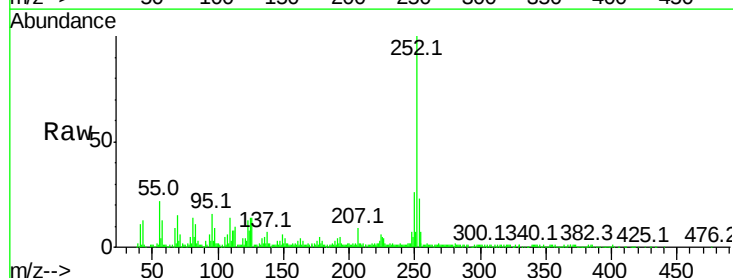
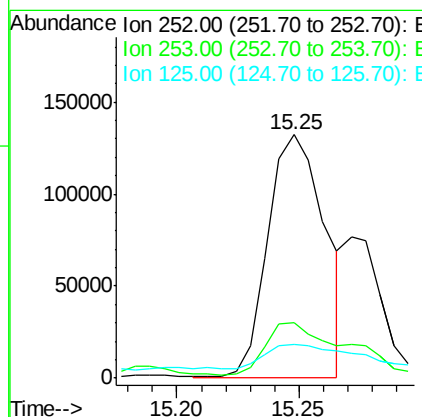
RT: 15.25 min Scan# 2195

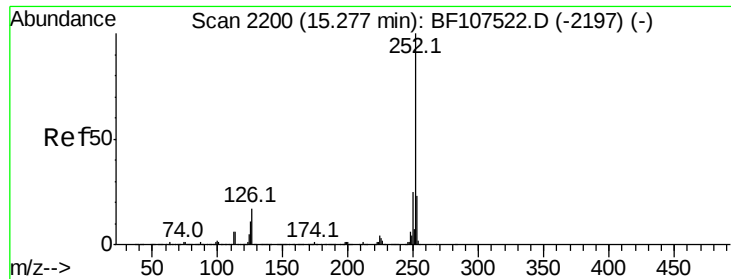
Delta R.T. 0.01 min

Lab File: BF107602.D

Acq: 23 Jul 2018 21:34

Tgt Ion:	252	Resp:	216221
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.6
125	13.9	9.0	13.6#





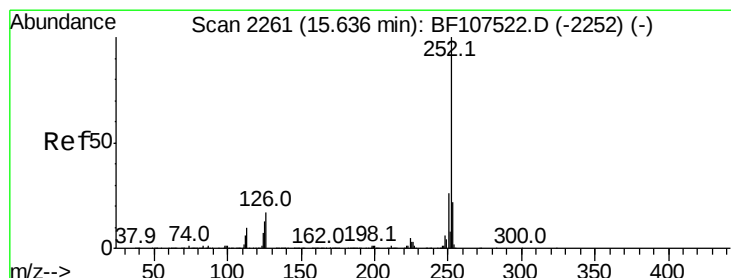
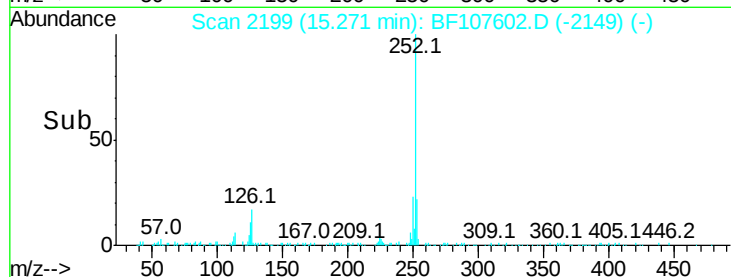
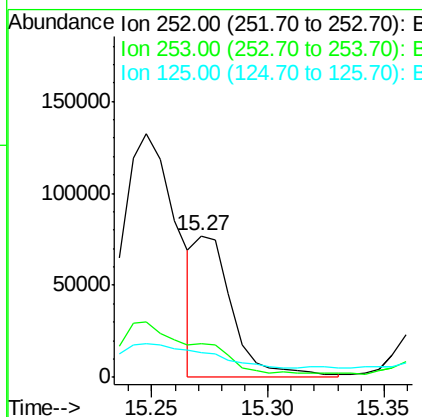
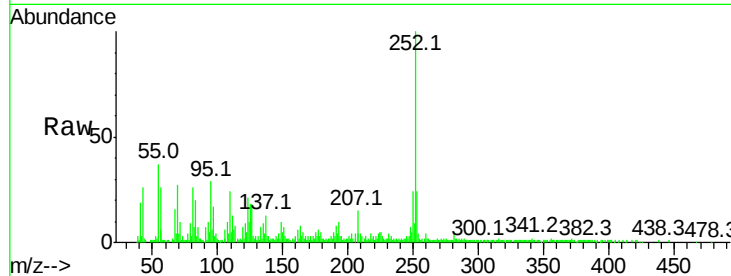
#88
Benzo(k)fluoranthene
Concen: 3.950 ng m
RT: 15.27 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF107602.D
Acq: 23 Jul 2018 21:34

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	17.7	10.2	15.2

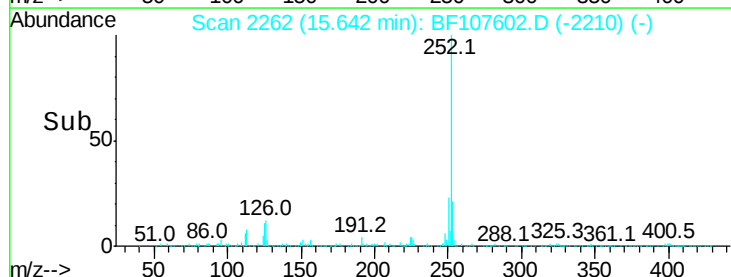
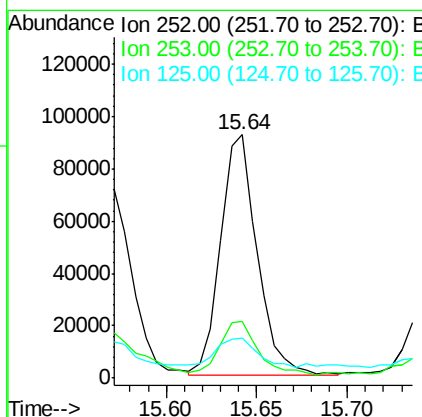
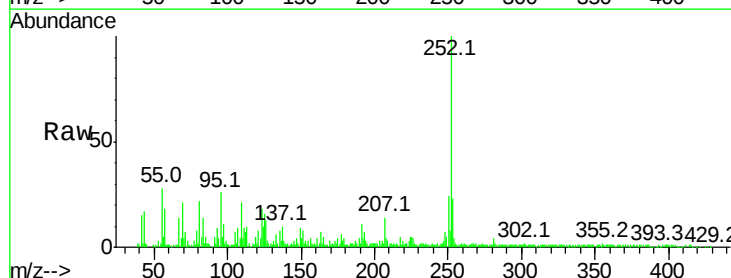
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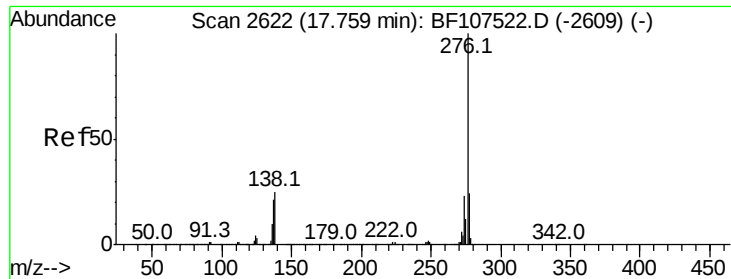
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#89
Benzo(a)pyrene
Concen: 6.437 ng
RT: 15.64 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF107602.D
Acq: 23 Jul 2018 21:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	16.2	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.069 ng
 RT: 17.77 min Scan# 2623
 Delta R.T. 0.01 min
 Lab File: BF107602.D
 Acq: 23 Jul 2018 21:34

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	26.0	21.8	32.8

Manual Integrations
 APPROVED

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