

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
 Data File : BF107185.D
 Acq On : 6 Jul 2018 20:46
 Operator : JU/SJ
 Sample : J3868-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D

Manual Integrations
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 7/9/2018 1:58:41 PM

Quant Time: Jul 07 00:42:37 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	6.94	152	61978	20.00	ng	-0.02
21) Naphthalene-d8	8.23	136	231831	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	101005	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	164252	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	171798	20.00	ng	-0.03
86) Perylene-d12	15.67	264	131837	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	335943	91.78	ng	-0.01
7) Phenol-d6	6.59	99	423358	92.62	ng	-0.02
23) Nitrobenzene-d5	7.51	82	261502	62.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	95835	81.86	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	454694	74.35	ng	-0.02
78) Terphenyl-d14	13.06	244	428728	60.45	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.70	163	131286	17.330	ng	Qvalue # 99
70) Phenanthrene	11.51	178	119867	15.131	ng	97
71) Anthracene	11.56	178	44978	5.562	ng	96
74) Fluoranthene	12.70	202	284142	32.541	ng	95
77) Pyrene	12.93	202	276378	24.396	ng	99
80) Benzo(a)anthracene	14.12	228	154730	14.778	ng	99
82) Chrysene	14.16	228	135028m	14.017	ng	
85) Indeno(1,2,3-cd)pyrene	17.24	276	72237	8.837	ng	# 88
87) Benzo(b)fluoranthene	15.21	252	184290m	22.503	ng	
88) Benzo(k)fluoranthene	15.24	252	43568m	5.586	ng	
89) Benzo(a)pyrene	15.60	252	126420m	17.364	ng	
90) Dibenzo(a,h)anthracene	17.24	278	17177m	2.784	ng	
91) Benzo(a,h,i)perylene	17.72	276	76822	12.738	ng	# 90

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

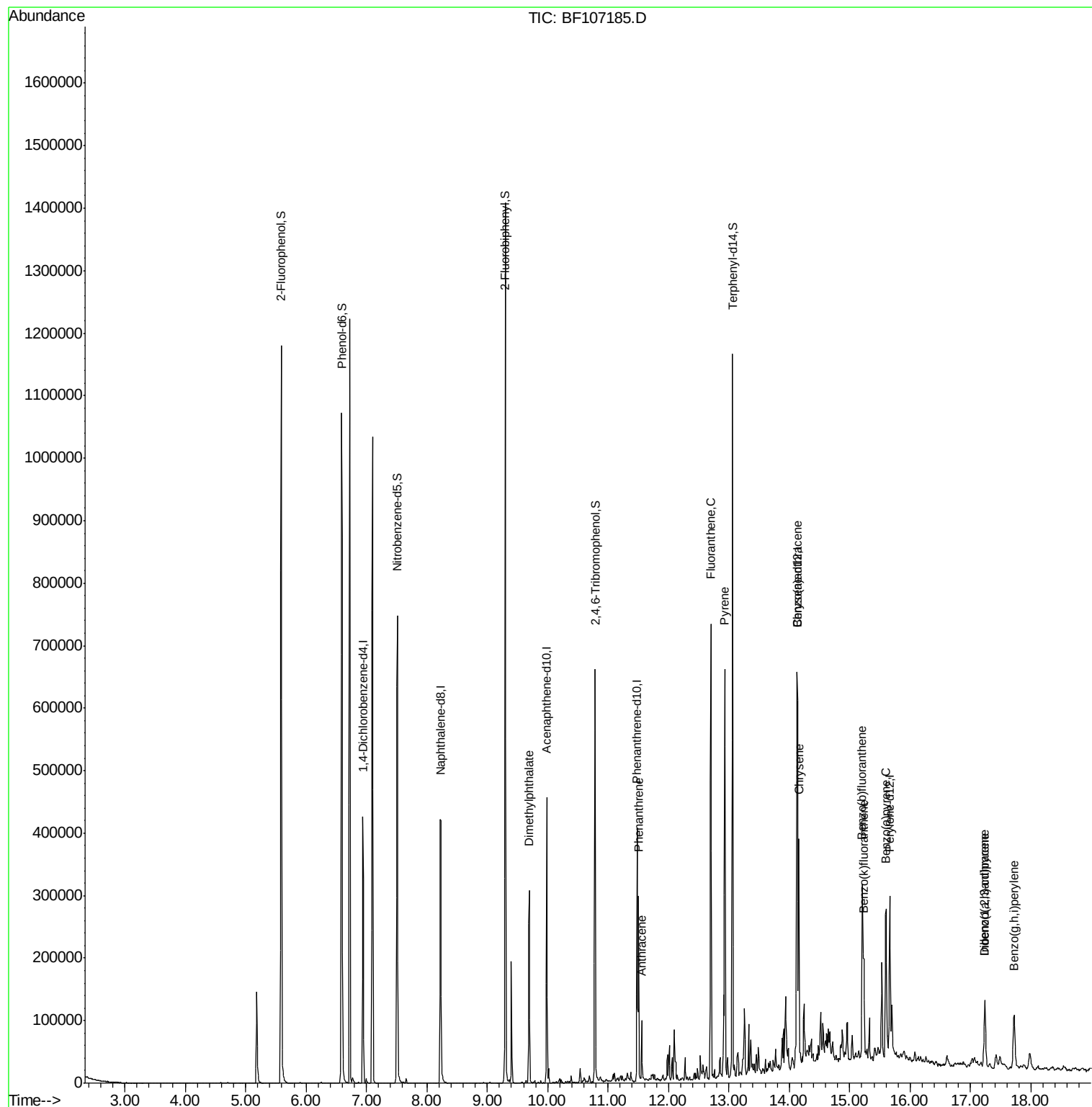
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107185.D
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ALS Vial : 20 Sample Multiplier: 1

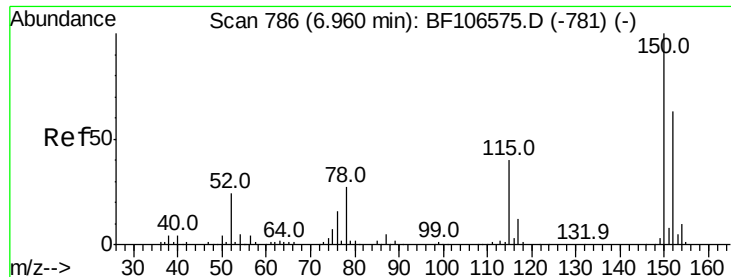
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#1

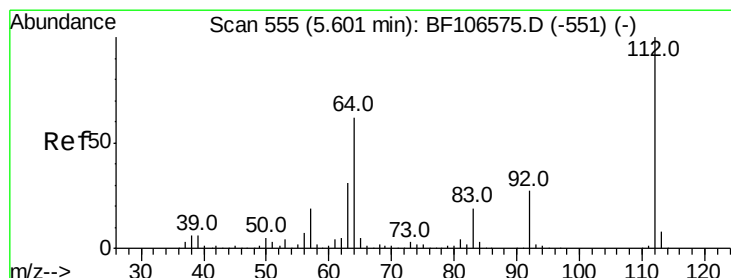
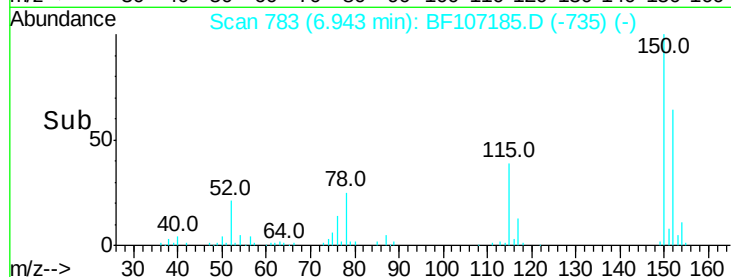
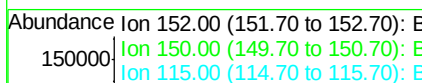
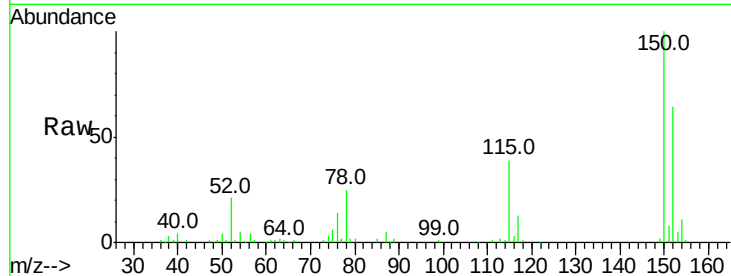
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Instrument :
BNA_F
ClientSampled :
TP-7-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	60.4	50.1	75.1

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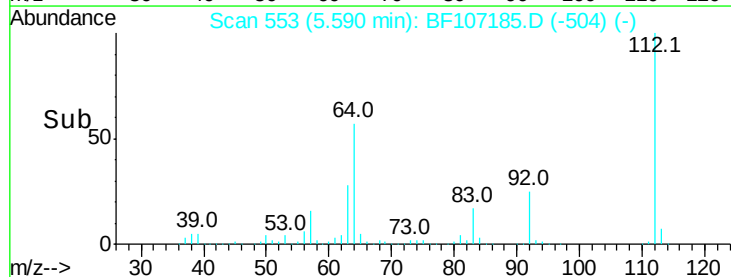
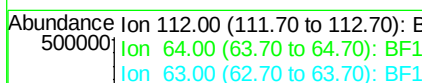
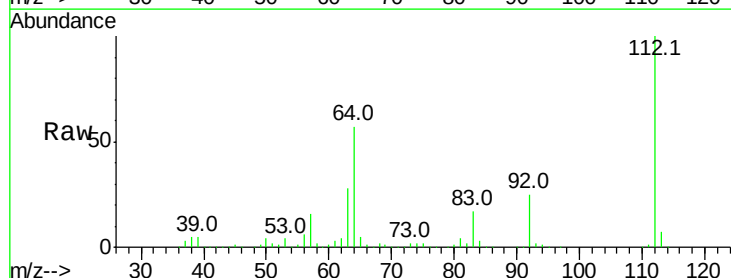
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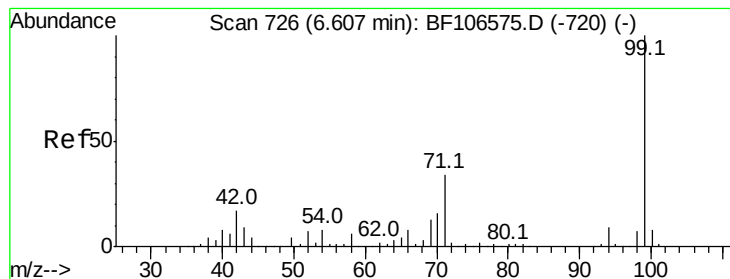


#5

2-Fluorophenol
Concen: 91.784 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	47.9	71.9
63	28.1	23.7	35.5





#7

Phenol-d6

Concen: 92.622 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

Instrument :

BNA_F

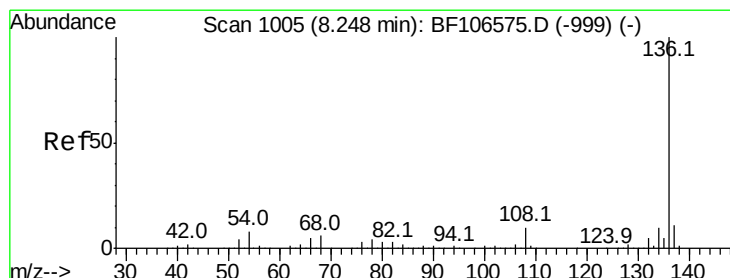
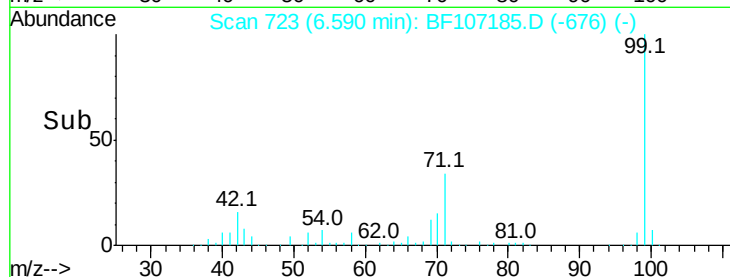
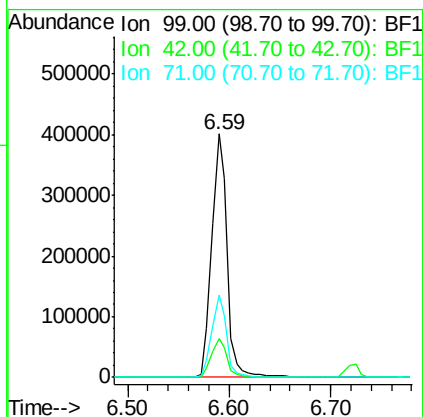
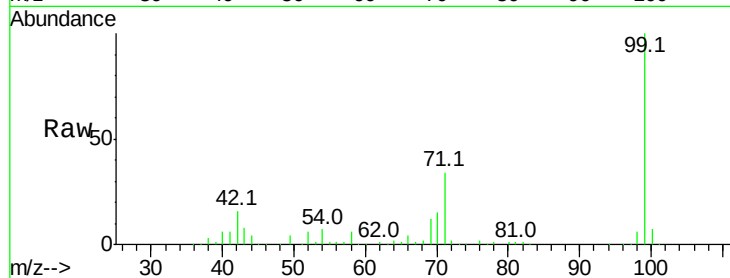
ClientSampled :

TP-7-D

Tot Ion:	99	Resp:	423358
Ion Ratio	Lower	Upper	
99	100		
42	16.2	14.5	21.7
71	34.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

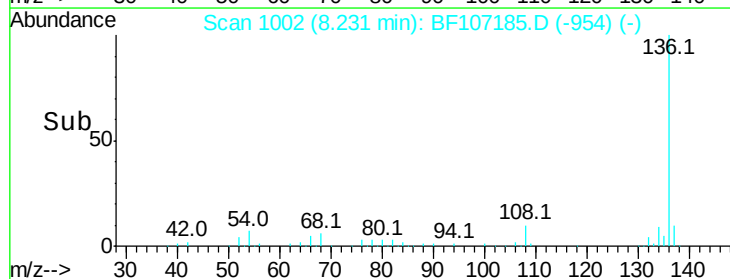
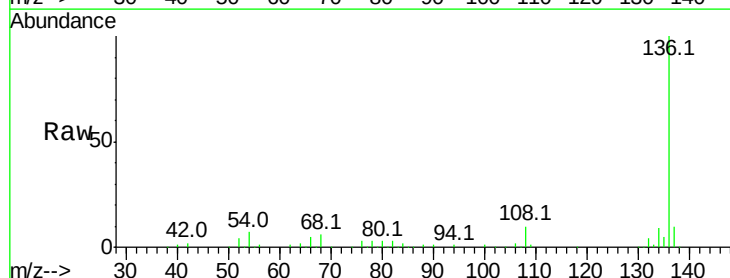
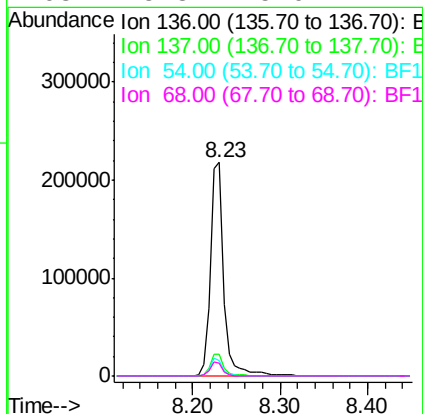
RT: 8.23 min Scan# 1002

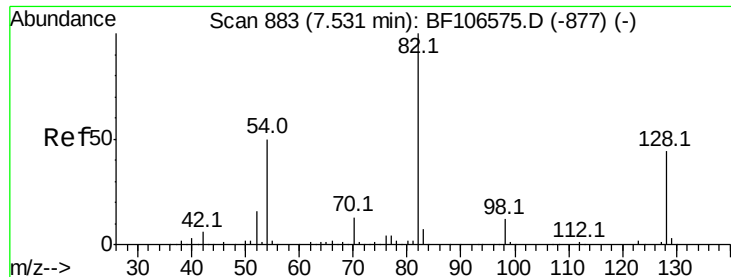
Delta R.T. -0.02 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

Tgt Ion:	136	Resp:	231831
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.9	13.3
54	7.2	6.6	9.8
68	5.8	5.0	7.4





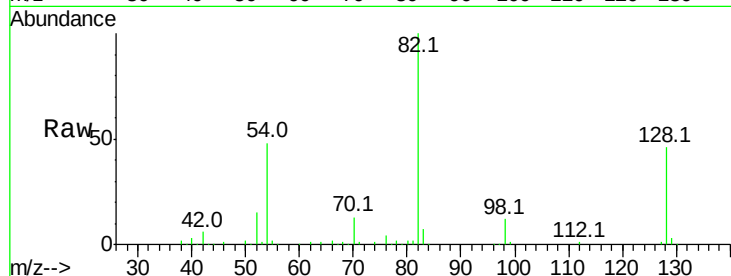
#23
 Nitrobenzene-d5
 Concen: 62.686 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107185.D
 Acq: 6 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampled :
 TP-7-D

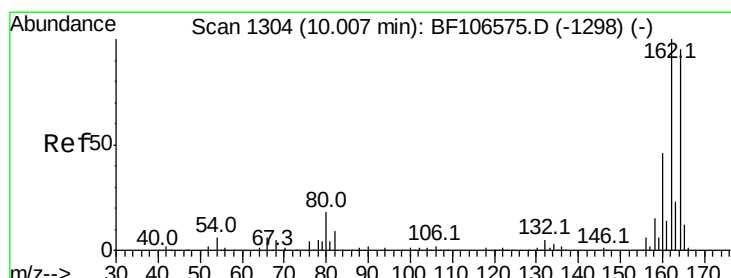
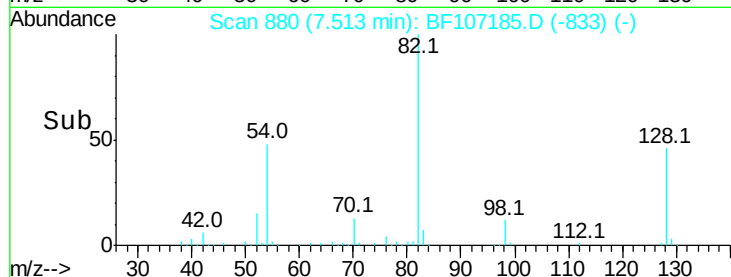
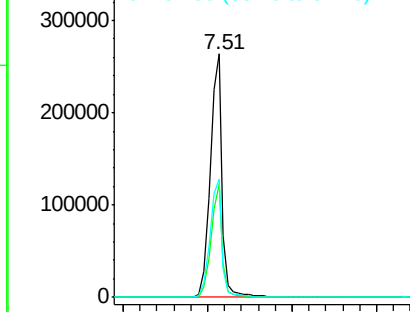
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	48.4	41.4	62.2

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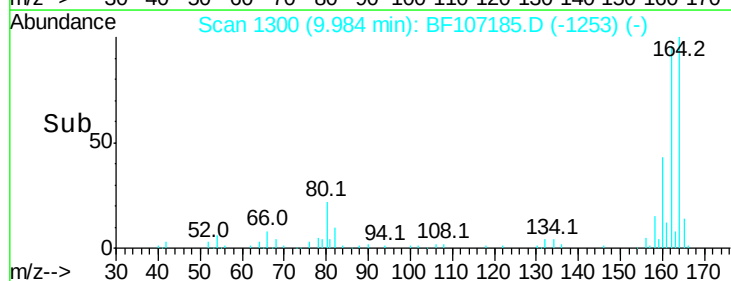
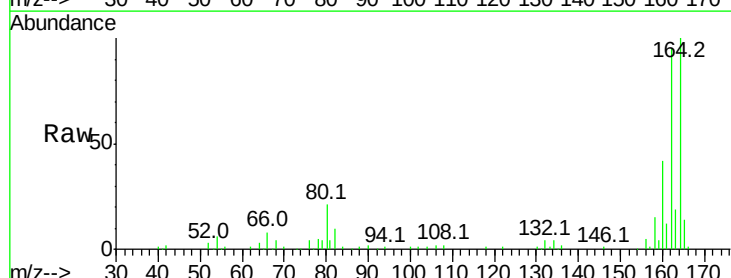
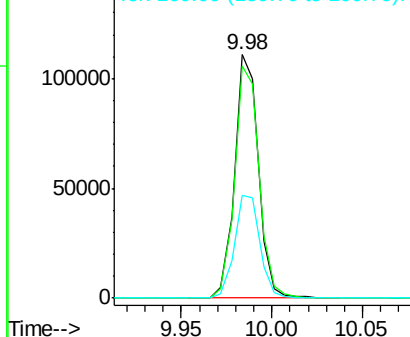
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

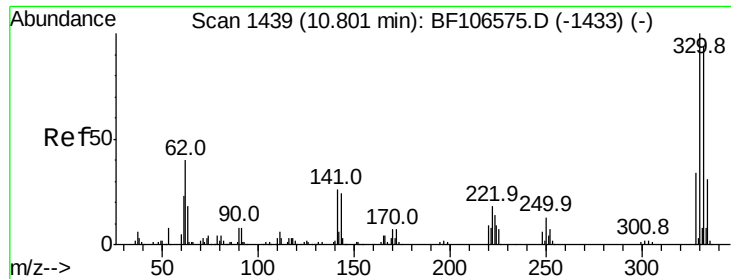


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF107185.D
 Acq: 6 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.2	86.1	129.1
160	42.3	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





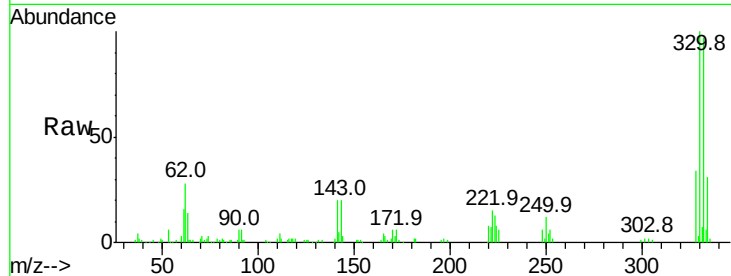
#41
 2,4,6-Tribromophenol
 Concen: 81.863 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107185.D
 Acq: 6 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampled :
 TP-7-D

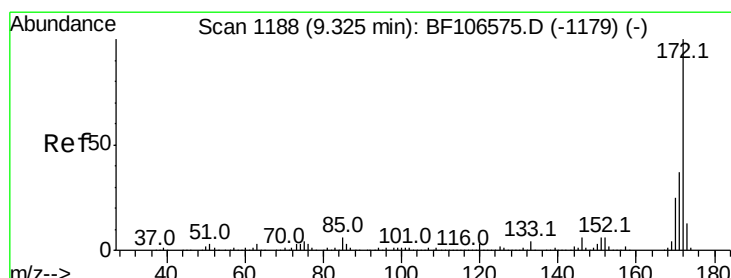
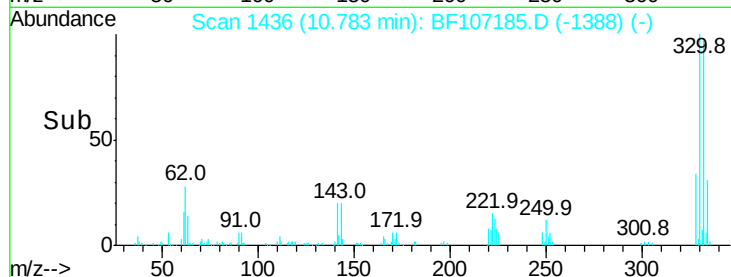
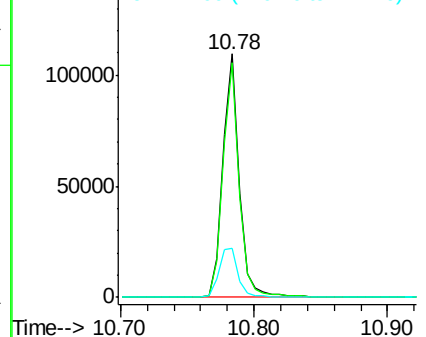
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	23.5	29.9	44.9#

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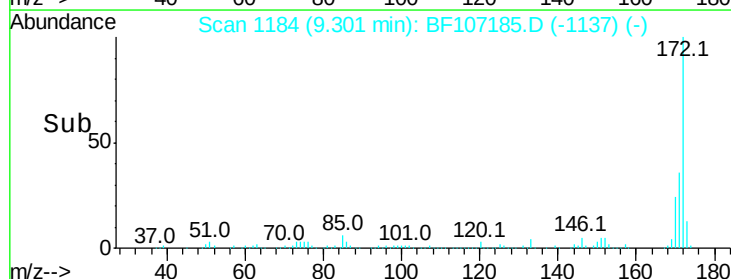
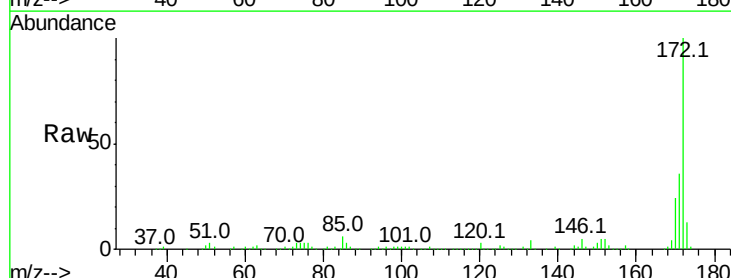
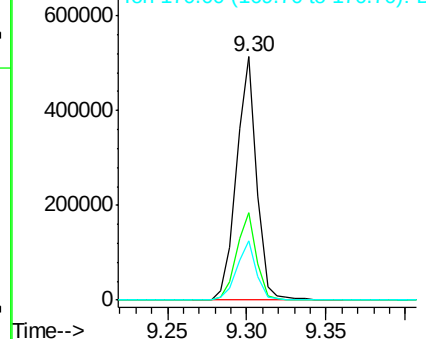
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

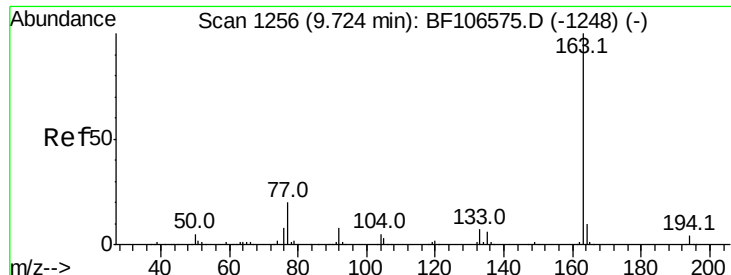


#44
 2-Fluorobiphenyl
 Concen: 74.348 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107185.D
 Acq: 6 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.2	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





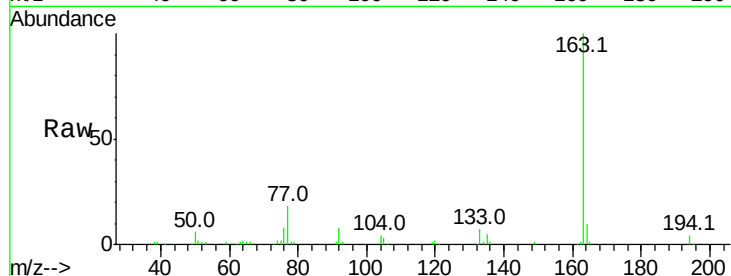
#49
Dimethylphthalate
Concen: 17.330 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
TP-7-D

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.2	2.7	4.1#	
164	10.3	8.2	12.2	

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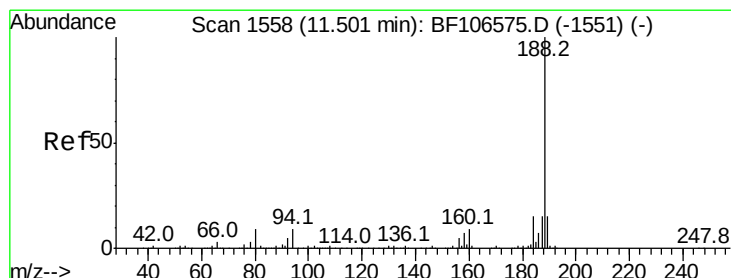
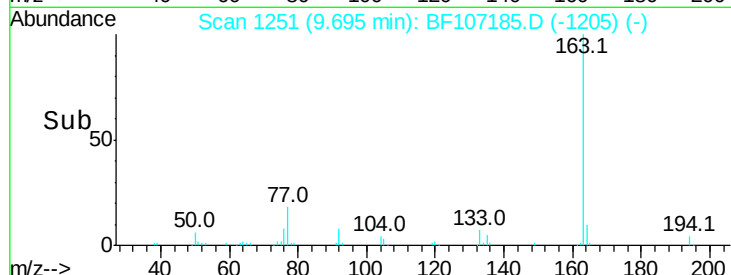
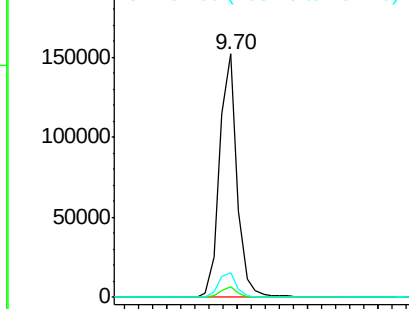


Abundance

Ion 163.00 (162.70 to 163.70): E

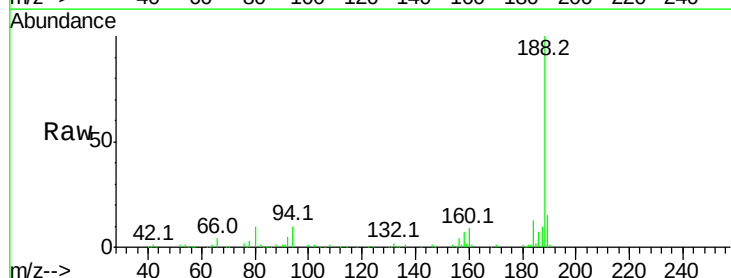
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.9	8.5	12.7	
80	10.1	9.2	13.8	

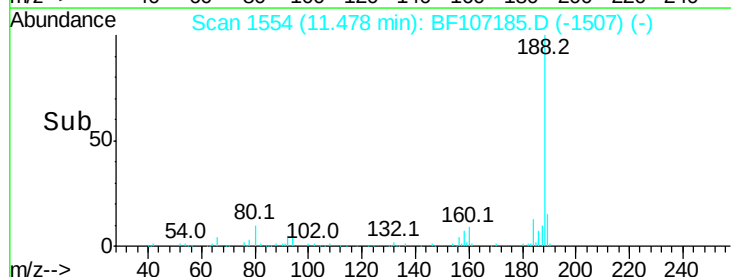
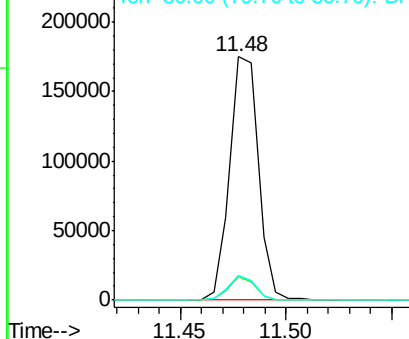


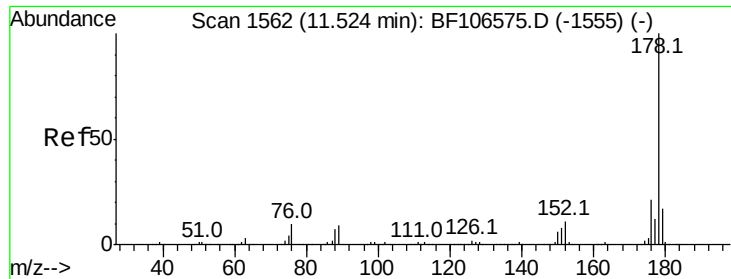
Abundance

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





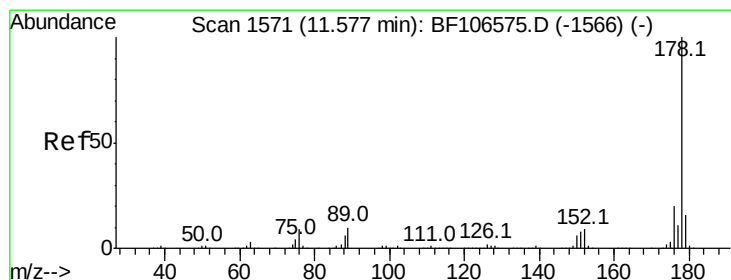
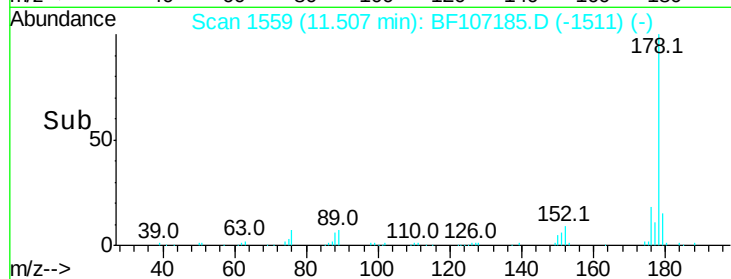
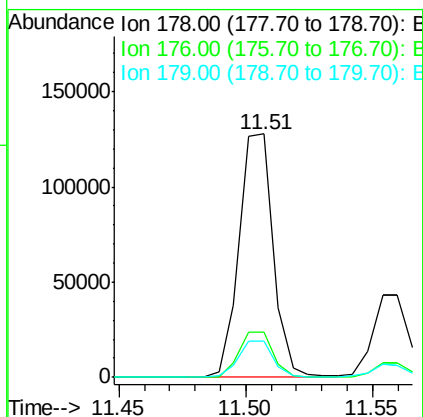
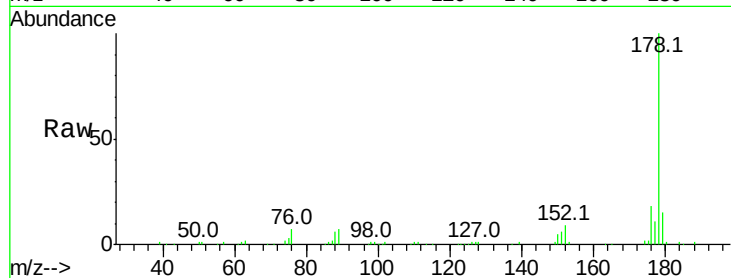
#70
Phenanthrene
Concen: 15.131 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
TP-7-D

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	14.8	13.0	19.6

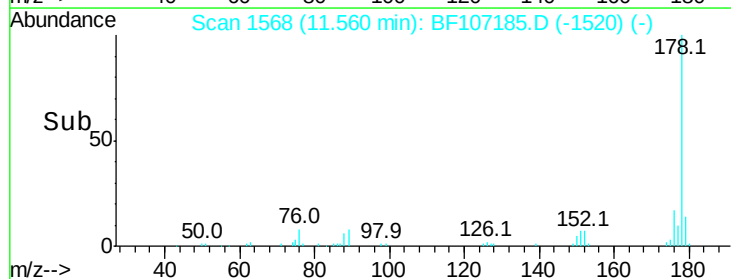
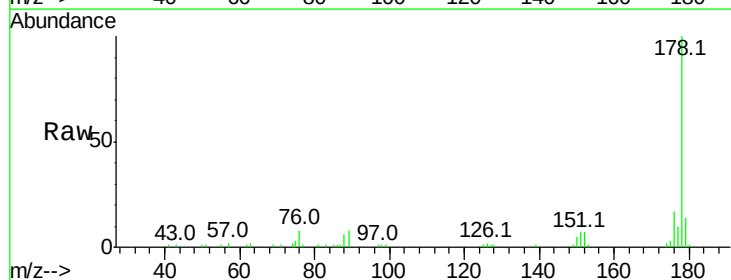
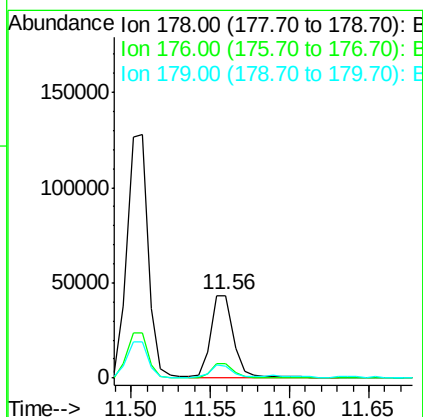
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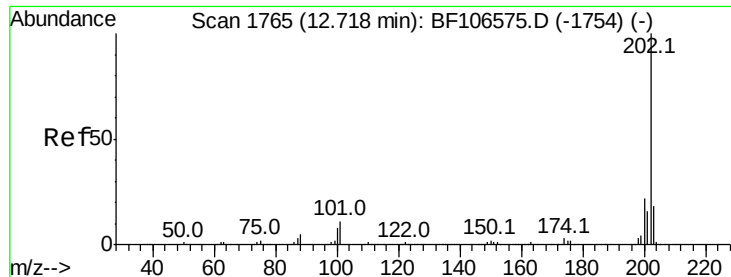
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#71
Anthracene
Concen: 5.562 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.4	23.2
179	14.5	12.6	19.0





#74

Fluoranthene

Concen: 32.541 ng

RT: 12.70 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

Instrument :

BNA_F

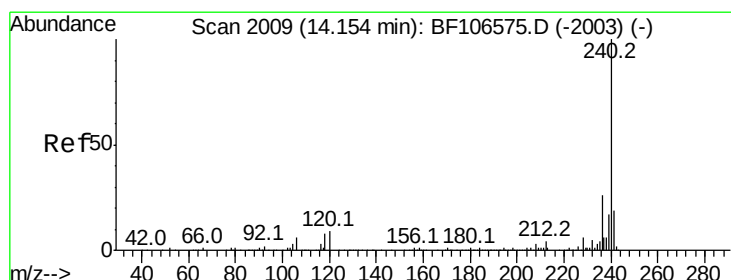
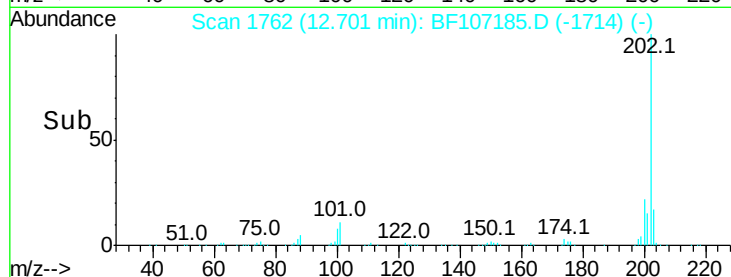
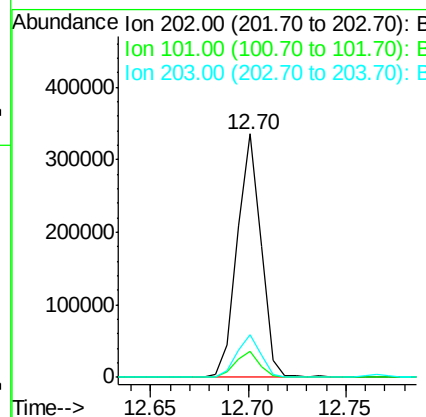
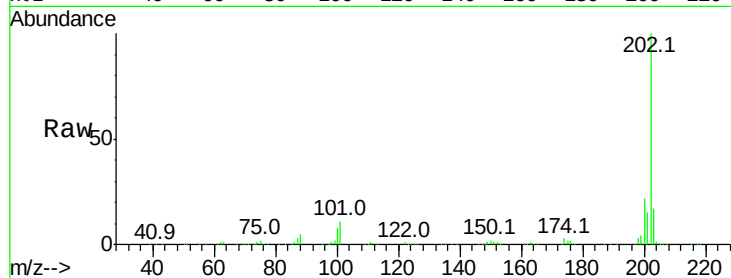
ClientSampleId :

TP-7-D

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.6	0.0	34.1
203	17.5	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

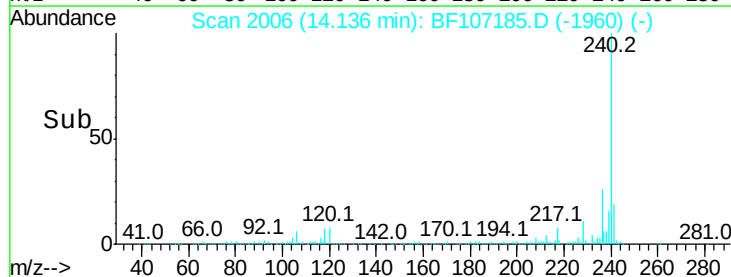
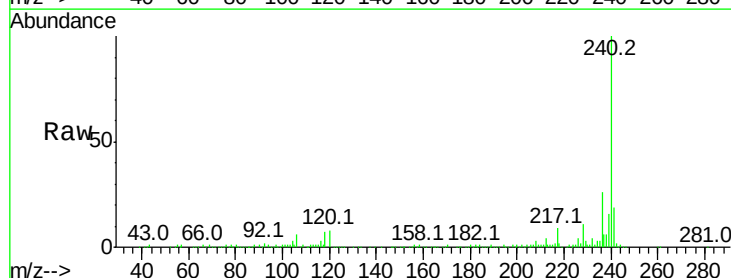
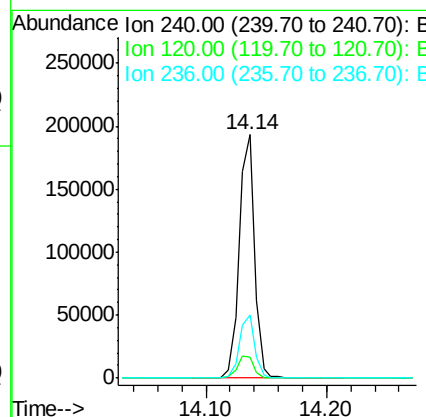
RT: 14.14 min Scan# 2006

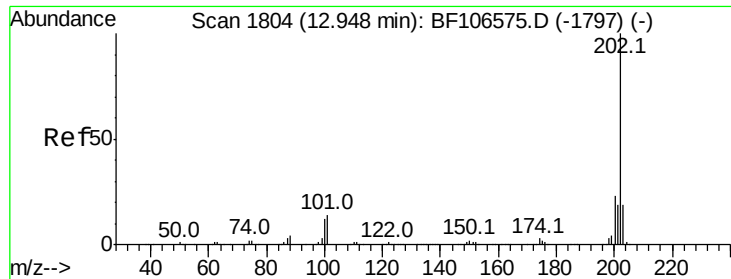
Delta R.T. -0.03 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.5	9.5	14.3#
236	26.1	20.7	31.1





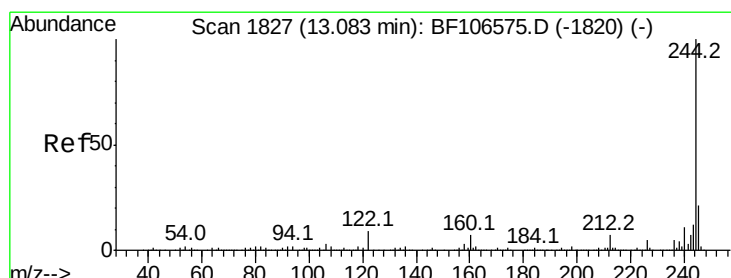
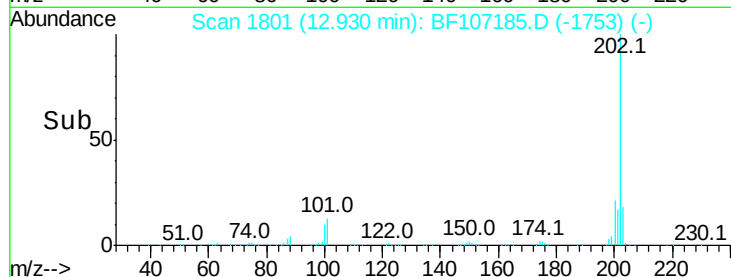
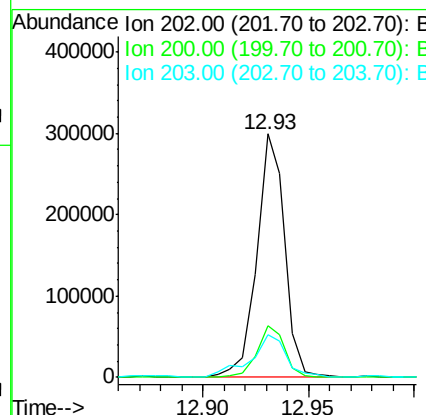
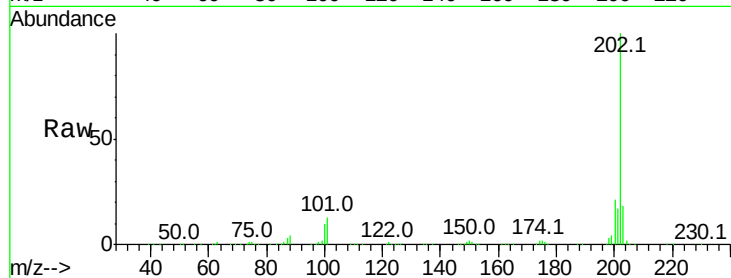
#77
Pvrene
Concen: 24.396 ng
RT: 12.93 min Scan# 1801
Delta R.T. -0.02 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
TP-7-D

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.7	14.3	21.5

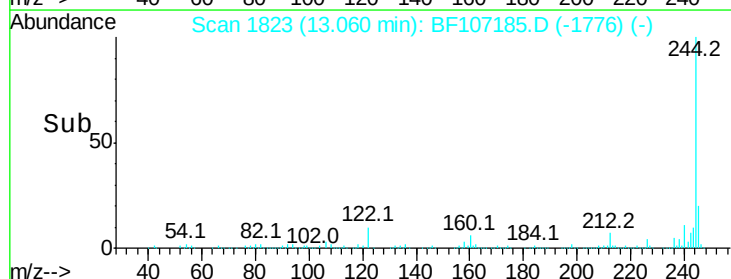
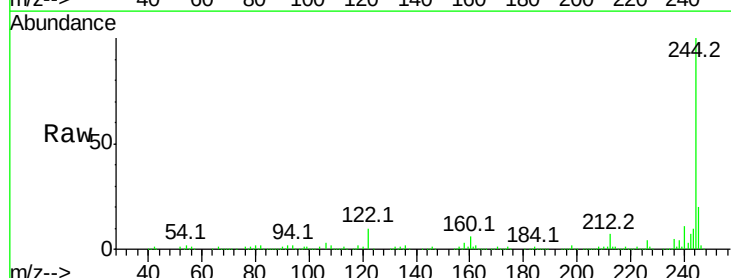
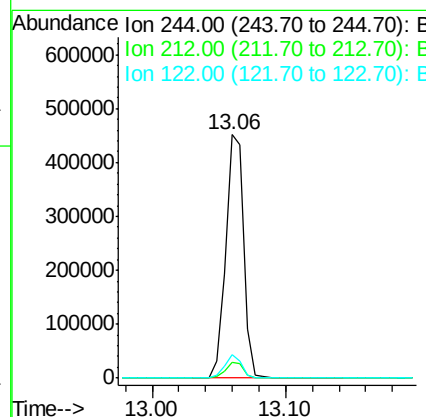
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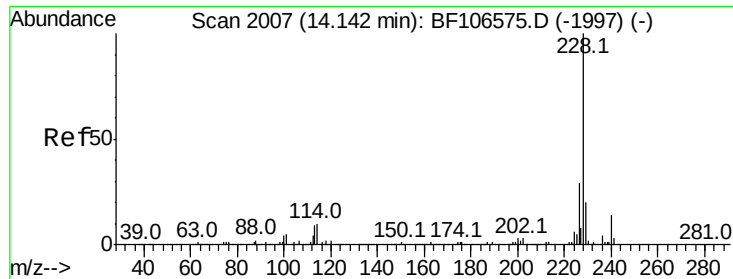
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#78
Terphenyl-d14
Concen: 60.449 ng
RT: 13.06 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.5	11.0	16.4





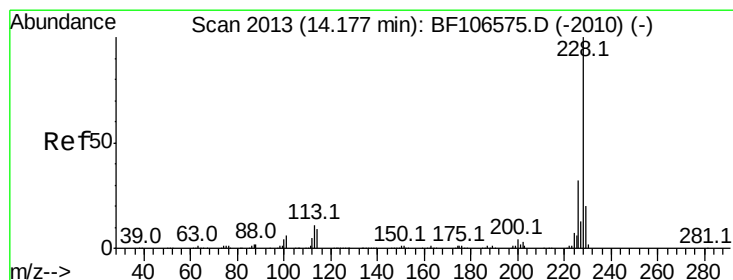
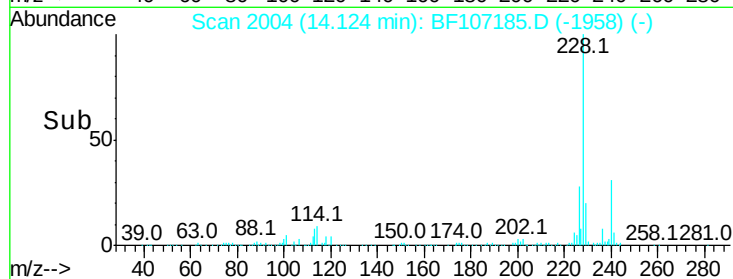
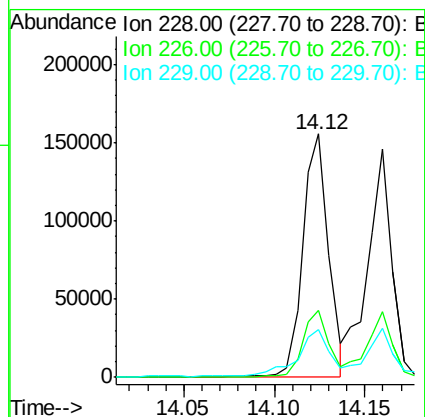
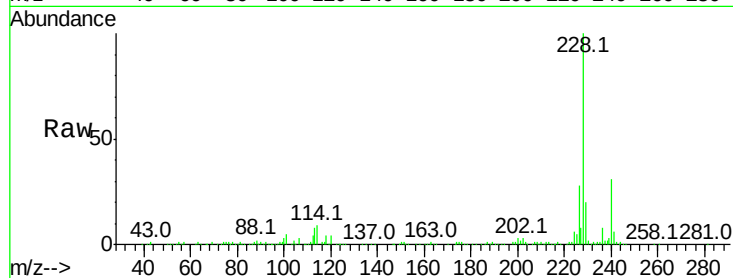
#80
Benzo(a)anthracene
Concen: 14.778 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.03 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
TP-7-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	19.9	15.8	23.6

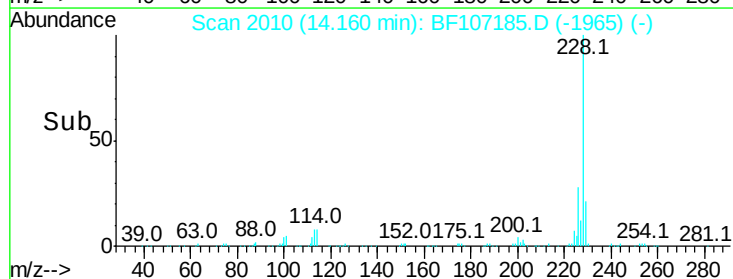
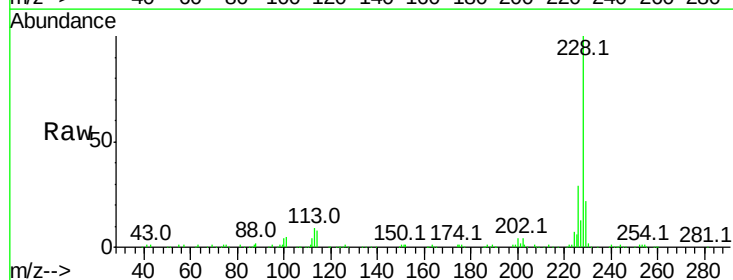
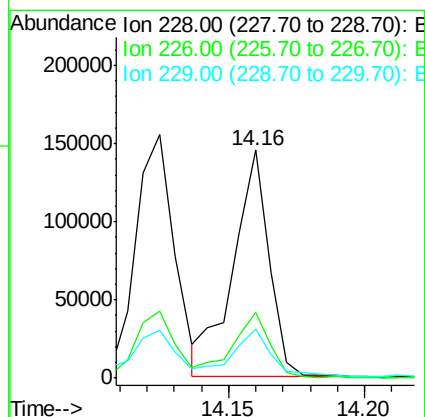
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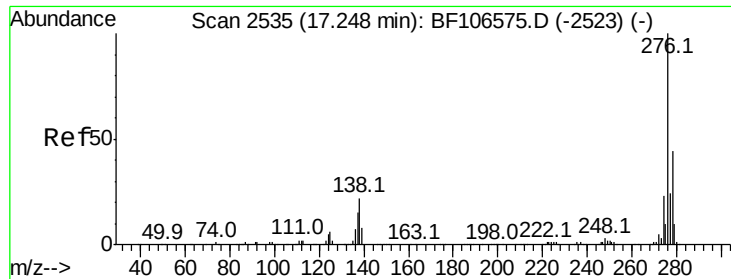
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#82
Chrysene
Concen: 14.017 ng m
RT: 14.16 min Scan# 2010
Delta R.T. -0.04 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.0	37.6
229	21.8	16.2	24.4





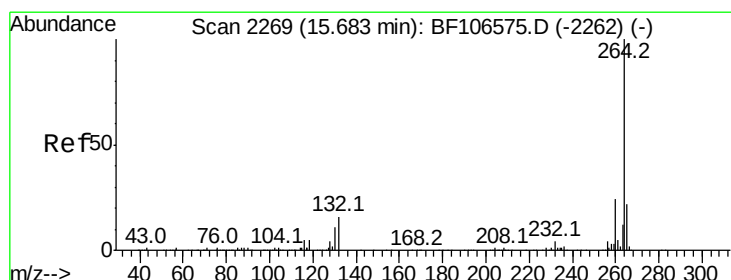
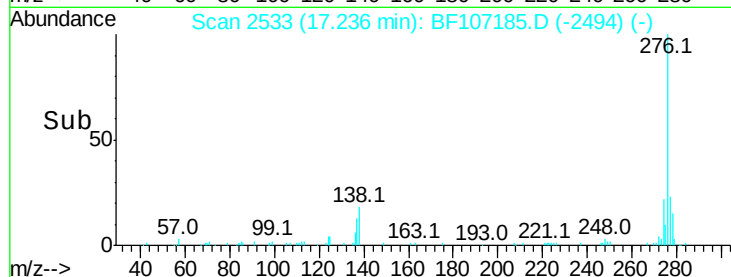
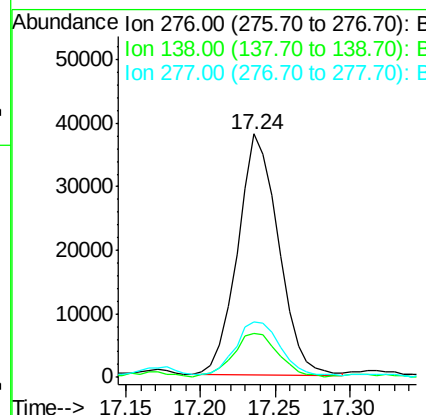
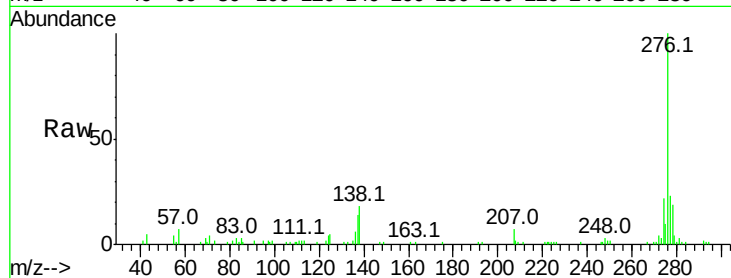
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.837 ng
RT: 17.24 min Scan# 2533
Delta R.T. -0.07 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Instrument :
BNA_F
ClientSampled :
TP-7-D

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	25.0	37.6#
277	24.1	20.1	30.1

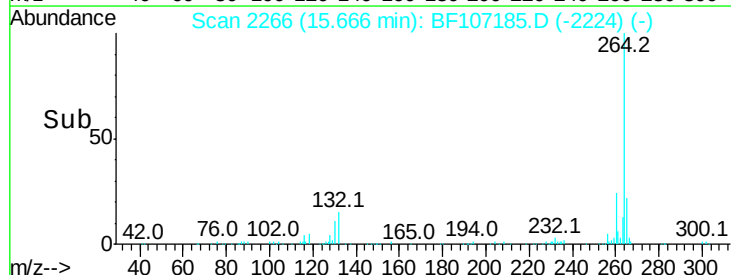
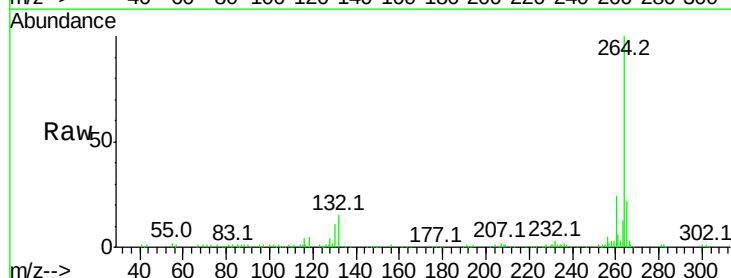
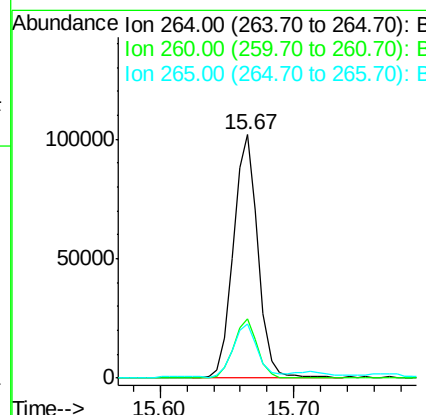
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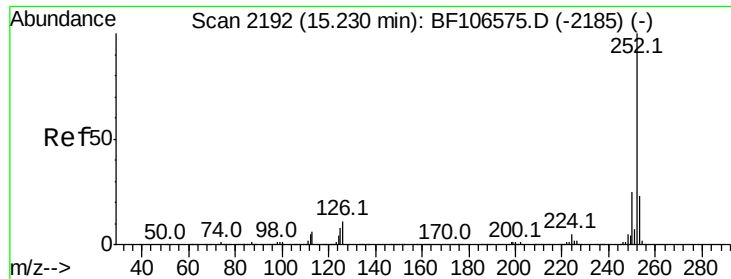
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2266
Delta R.T. -0.05 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.1	17.5	26.3





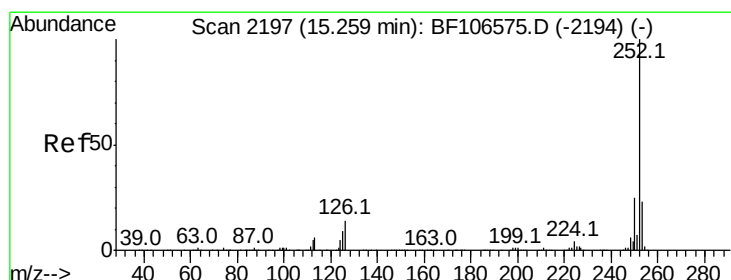
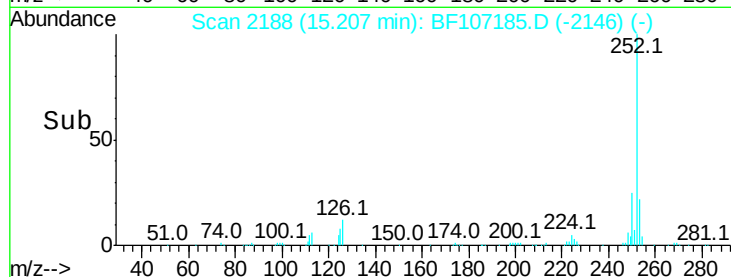
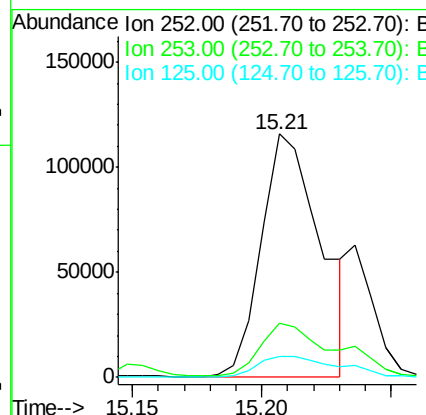
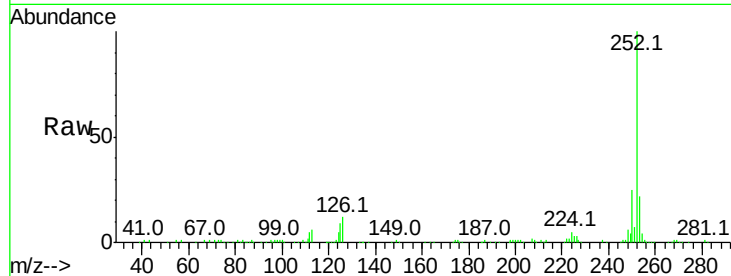
#87
Benzo(b)fluoranthene
Concen: 22.503 ng m
RT: 15.21 min Scan# 2188
Delta R.T. -0.05 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Instrument :
BNA_F
ClientSampled :
TP-7-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	8.8	9.0	13.6#

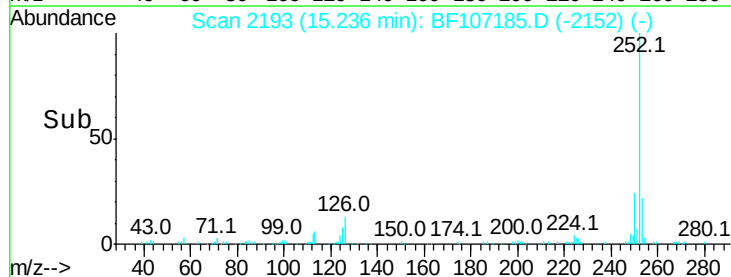
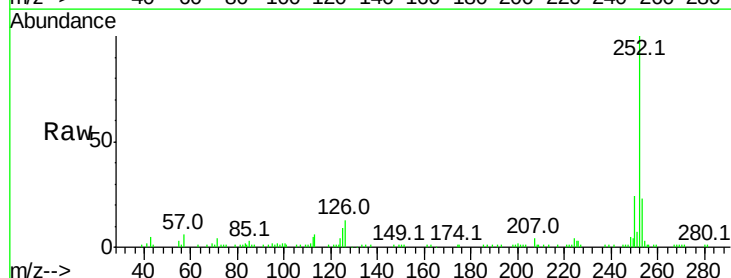
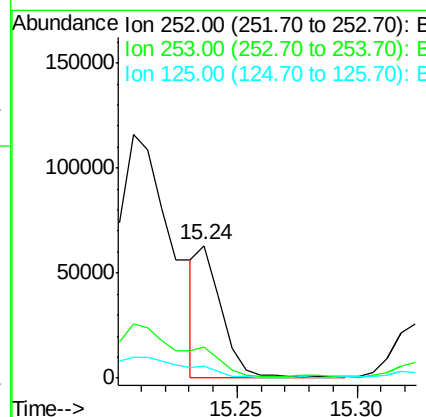
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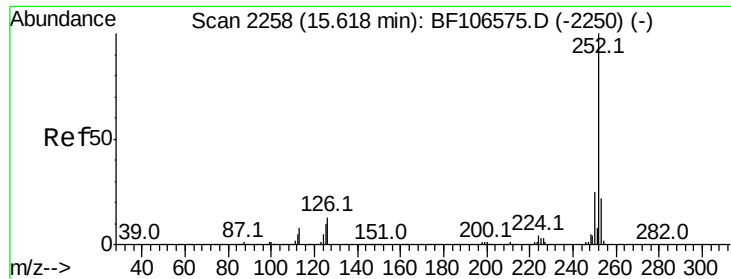
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#88
Benzo(k)fluoranthene
Concen: 5.586 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.06 min
Lab File: BF107185.D
Acq: 6 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	8.6	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 17.364 ng m

RT: 15.60 min Scan# 2255

Delta R.T. -0.05 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

Instrument :

BNA_F

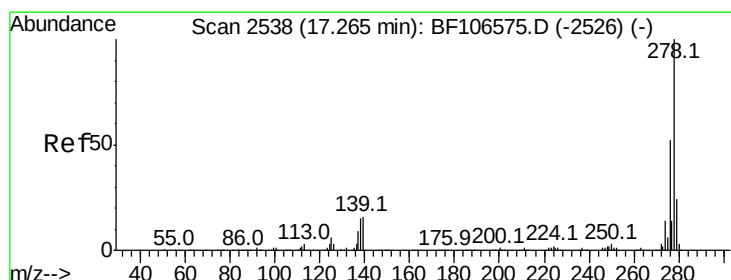
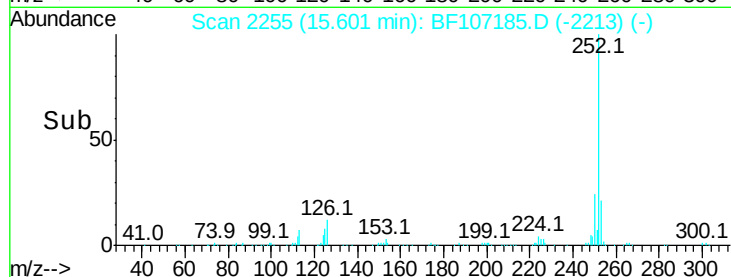
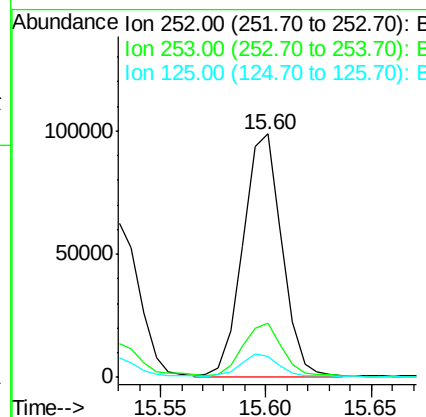
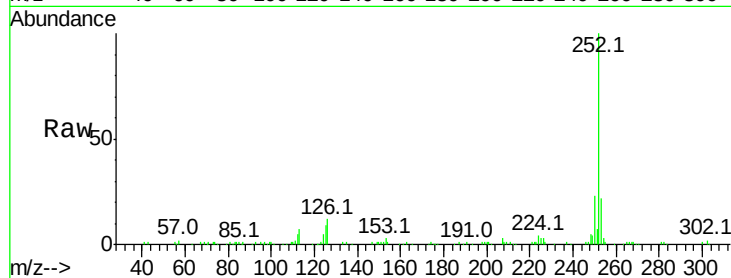
ClientSampled :

TP-7-D

Tot Ion:	252	Resp:	126420
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.1	25.7
125	8.8	9.8	14.6#

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 2.784 ng m

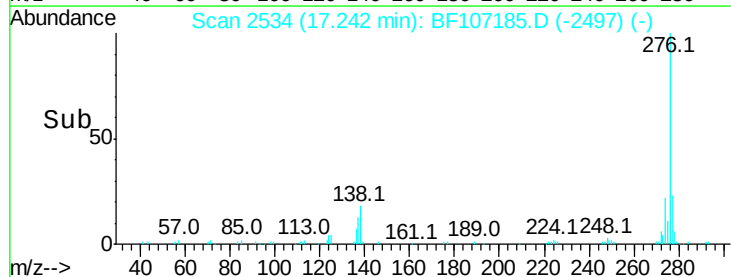
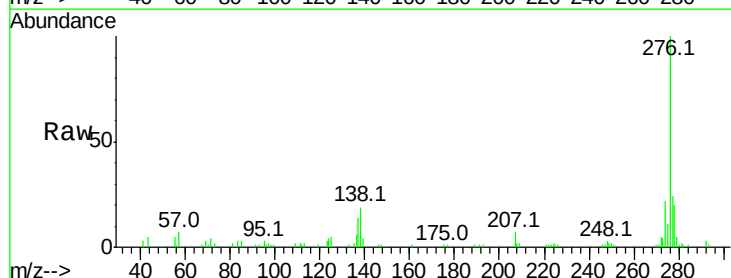
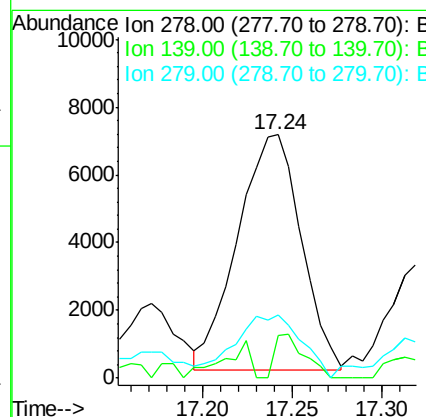
RT: 17.24 min Scan# 2534

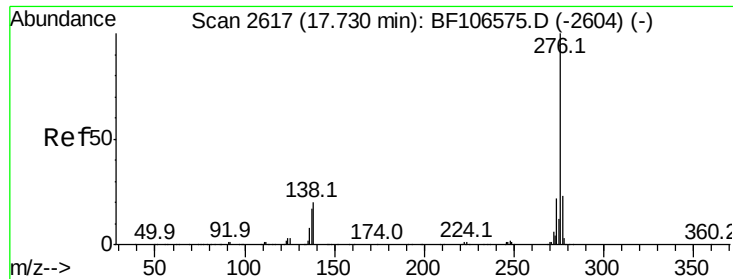
Delta R.T. -0.08 min

Lab File: BF107185.D

Acq: 6 Jul 2018 20:46

Tgt Ion:	278	Resp:	17177
Ion Ratio	Lower	Upper	
278	100		
139	17.3	15.9	23.9
279	26.1	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 12.738 ng
 RT: 17.72 min Scan# 2616
 Delta R.T. -0.06 min
 Lab File: BF107185.D
 Acq: 6 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	19.7	21.8	32.8

Manual Integrations
 APPROVED

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