

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
 Data File : BF107183.D
 Acq On : 6 Jul 2018 19:53
 Operator : JU/SJ
 Sample : J3854-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S5

Manual Integrations
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Quant Time: Jul 06 23:19:30 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	60722	20.00	ng	-0.02
21) Naphthalene-d8	8.23	136	227714	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	100997	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	162732	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	174690	20.00	ng	-0.03
86) Perylene-d12	15.67	264	132883	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	349106	97.35	ng	-0.01
7) Phenol-d6	6.60	99	436642	97.50	ng	-0.02
23) Nitrobenzene-d5	7.51	82	267376	65.25	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	101971	87.11	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	466620	76.77	ng	-0.02
78) Terphenyl-d14	13.07	244	455323	63.14	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.70	163	81520	10.762	ng	Qvalue # 97
70) Phenanthrene	11.51	178	32666	4.162	ng	98
74) Fluoranthene	12.70	202	78381	9.060	ng	96
77) Pyrene	12.93	202	78411	6.807	ng	97
80) Benzo(a)anthracene	14.12	228	51625	4.849	ng	98
82) Chrysene	14.16	228	52704m	5.381	ng	
85) Indeno(1,2,3-cd)pyrene	17.25	276	20510	2.467	ng	# 87
87) Benzo(b)fluoranthene	15.21	252	59107m	7.160	ng	
88) Benzo(k)fluoranthene	15.24	252	20288m	2.581	ng	
89) Benzo(a)pyrene	15.60	252	37939	5.170	ng	95
91) Benzo(g,h,i)perylene	17.73	276	18547	3.051	ng	# 87

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

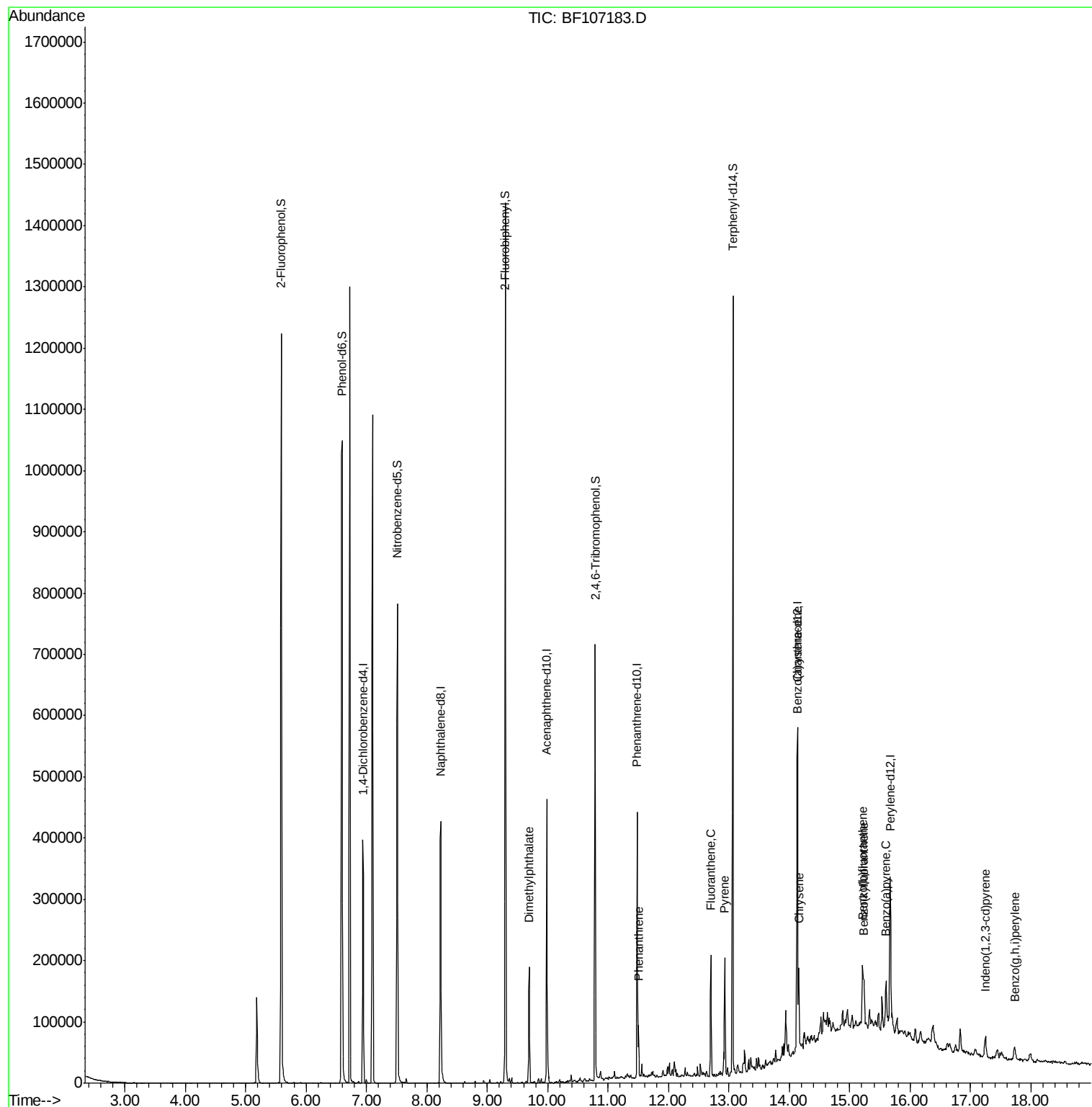
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107183.D
Acq On : 6 Jul 2018 19:53
Operator : JU/SJ
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S5

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#1

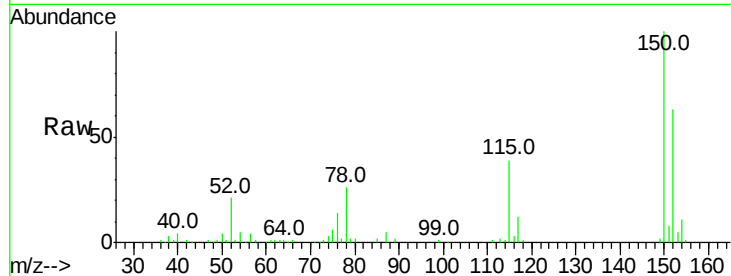
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Instrument :
BNA_F
ClientSampled :
S5

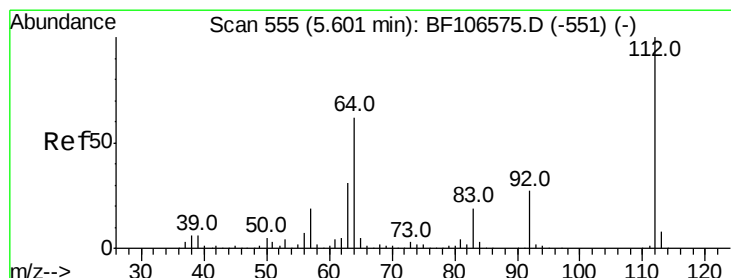
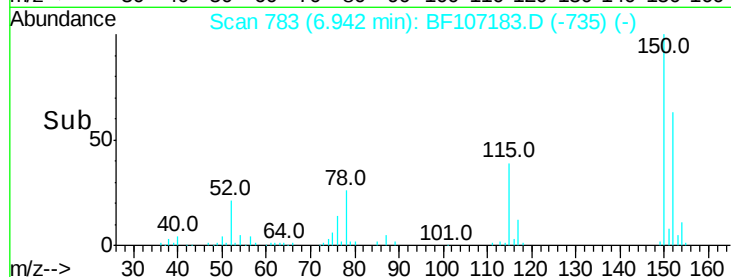
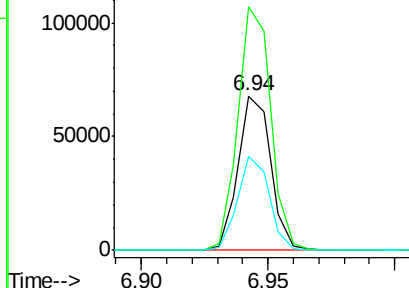
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	61.1	50.1	75.1

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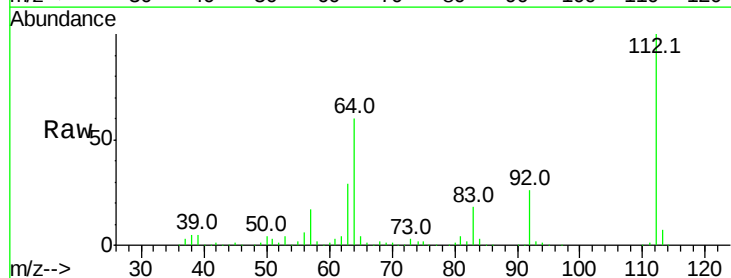
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



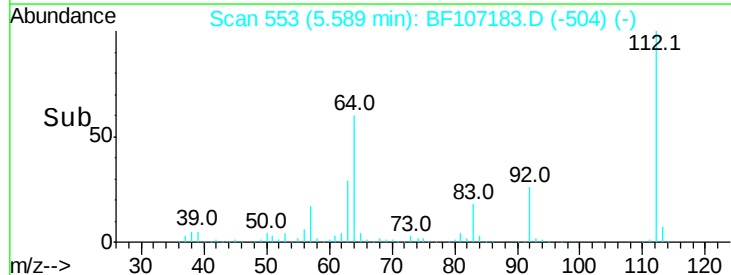
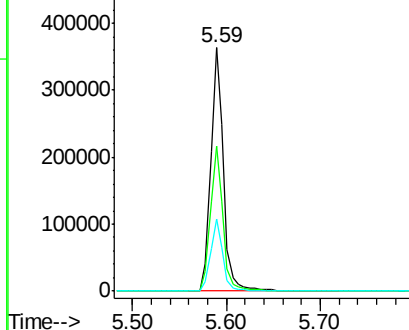
#5

2-Fluorophenol
Concen: 97.353 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.9	71.9
63	29.4	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: 97.504 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107183.D

Acq: 6 Jul 2018 19:53

Instrument :

BNA_F

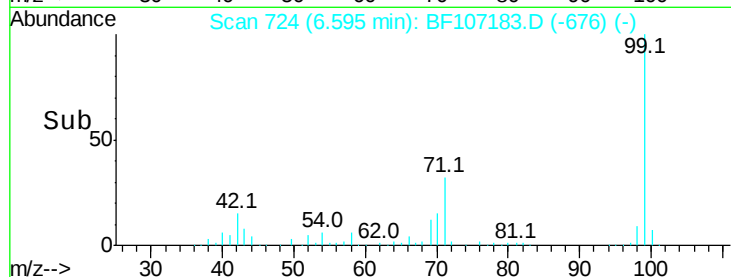
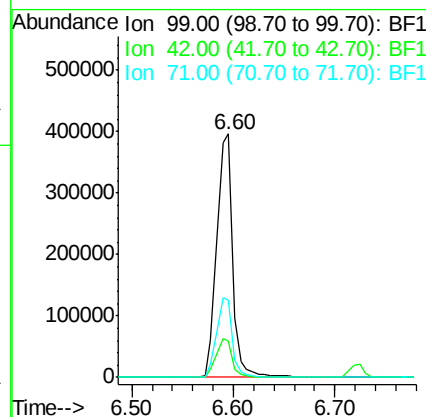
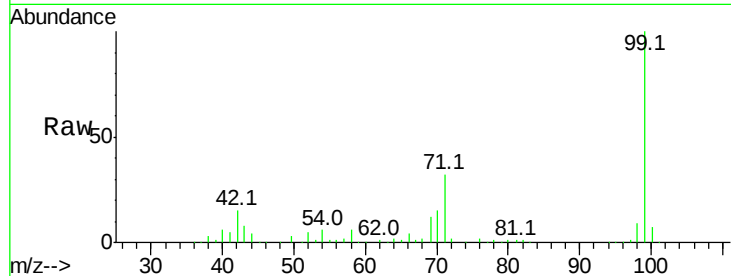
ClientSampled :

S5

Tot Ion:	99	Resp:	436642
Ion Ratio	Lower	Upper	
99	100		
42	14.9	14.5	21.7
71	32.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

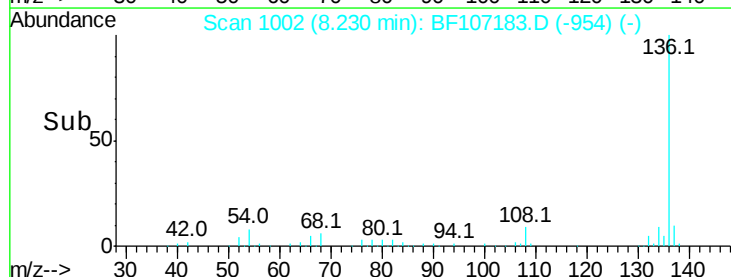
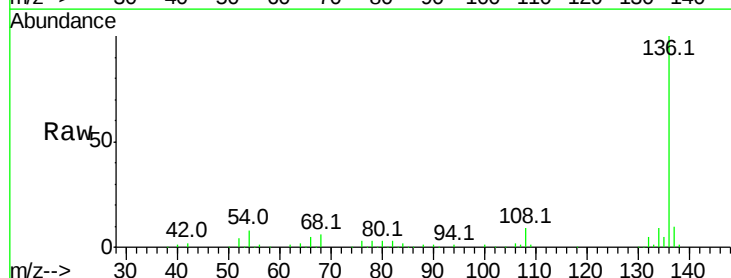
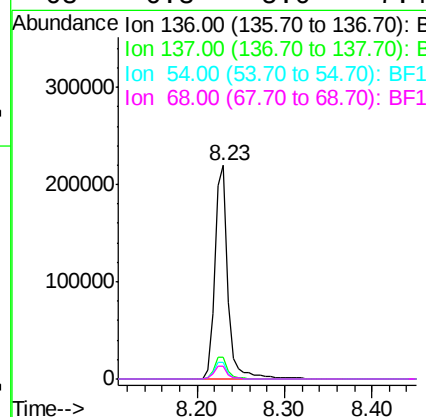
RT: 8.23 min Scan# 1002

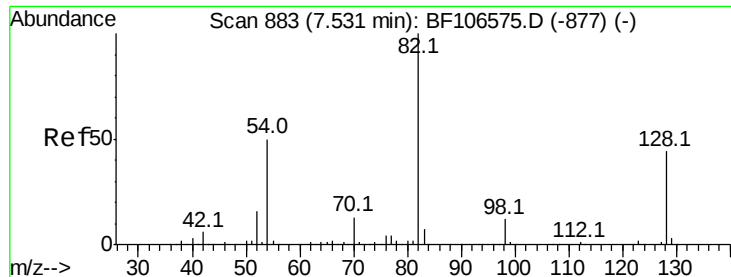
Delta R.T. -0.02 min

Lab File: BF107183.D

Acq: 6 Jul 2018 19:53

Tgt Ion:	136	Resp:	227714
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.9	13.3
54	7.8	6.6	9.8
68	6.3	5.0	7.4





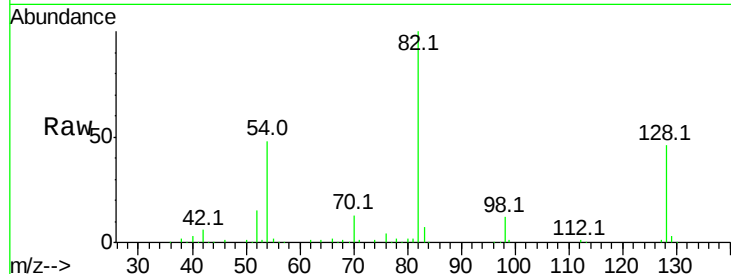
#23
Nitrobenzene-d5
Concen: 65.253 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Instrument :
BNA_F
ClientSampled :
S5

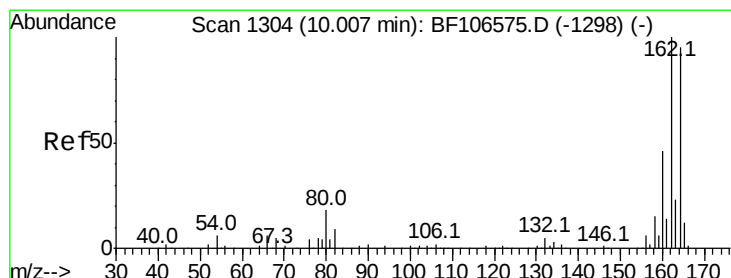
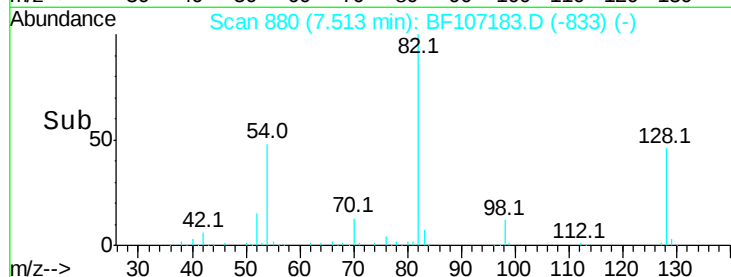
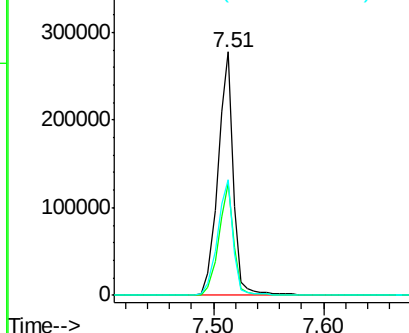
Tot Ion	Ratio	Resp	Lower	Upper
82	100	267376		
128	45.8	36.1	54.1	
54	47.7	41.4	62.2	

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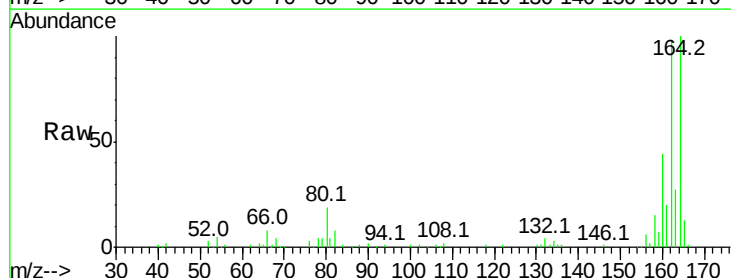


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

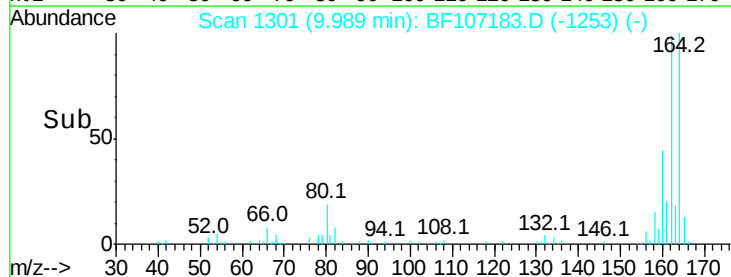
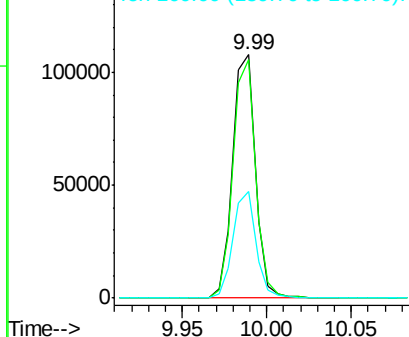


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	100997		
162	98.0	86.1	129.1	
160	43.8	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





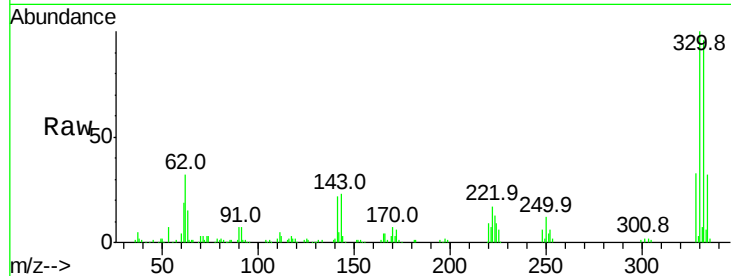
#41
 2,4,6-Tribromophenol
 Concen: 87.111 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107183.D
 Acq: 6 Jul 2018 19:53

Instrument :
 BNA_F
 ClientSampled :
 S5

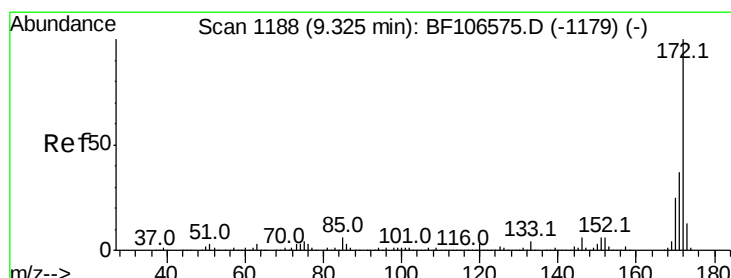
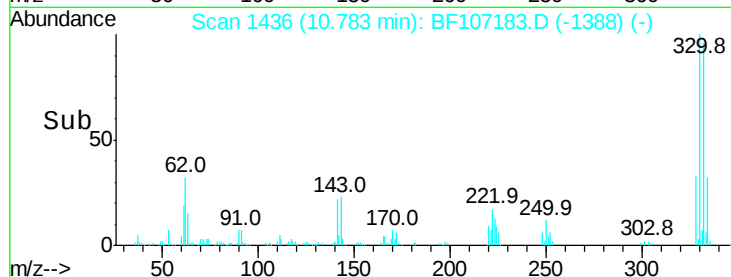
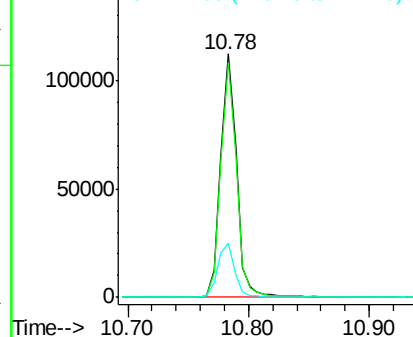
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	77.0	115.6	
141	23.3	29.9	44.9#	

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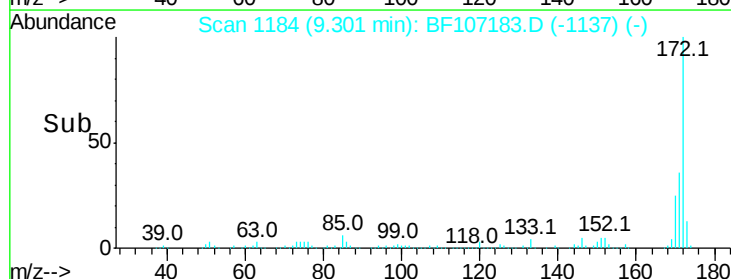
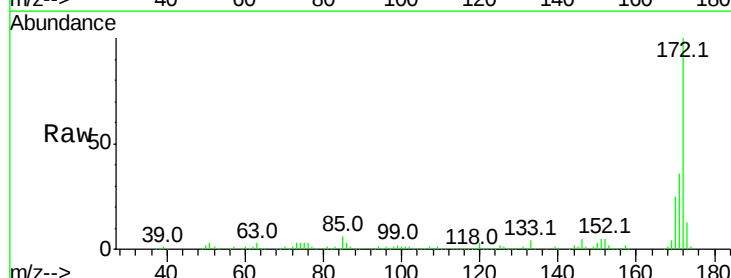
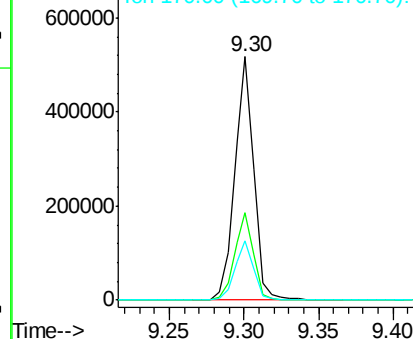
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 76.774 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107183.D
 Acq: 6 Jul 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.7	44.5	
170	24.5	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





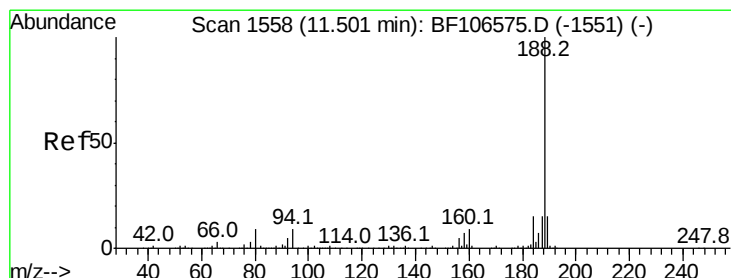
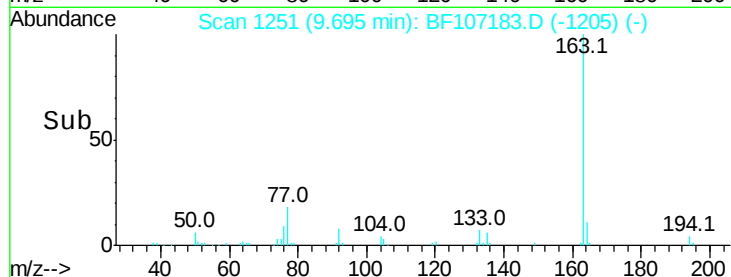
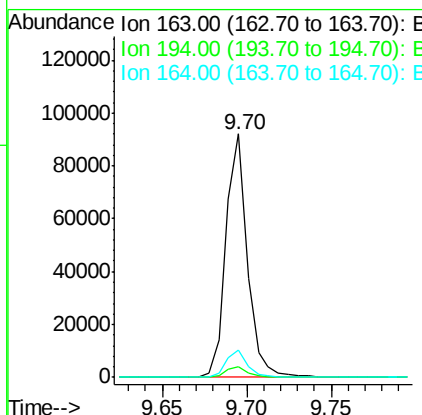
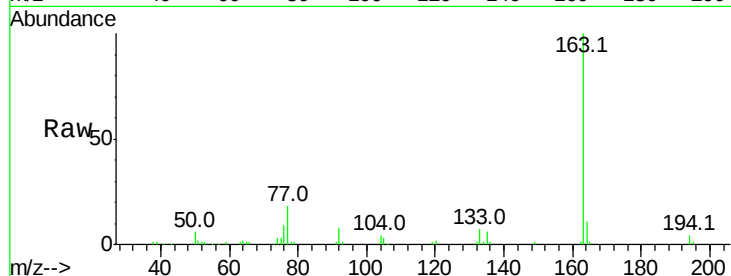
#49
Dimethylphthalate
Concen: 10.762 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Instrument :
BNA_F
ClientSampleId :
S5

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.3	2.7	4.1#	
164	11.2	8.2	12.2	

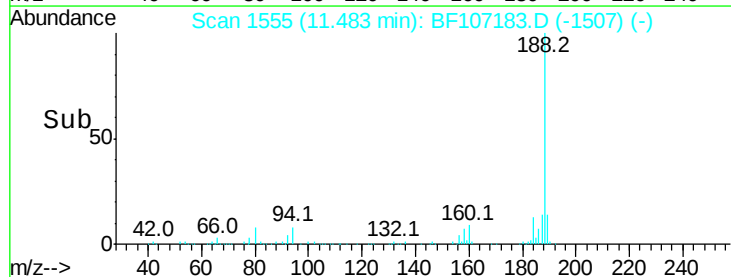
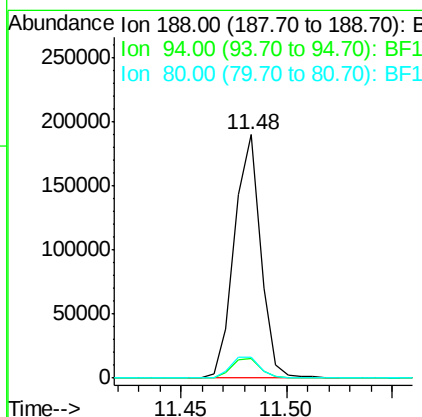
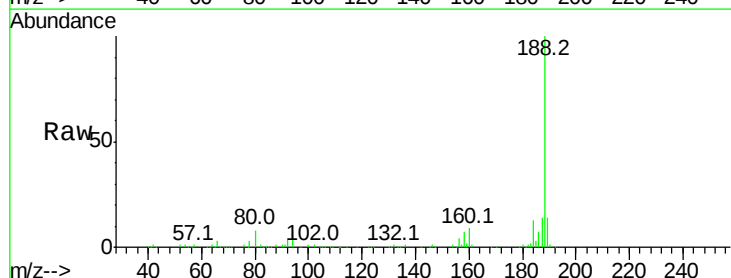
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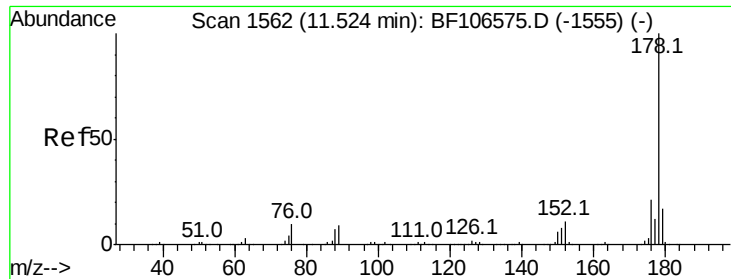
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.2	8.5	12.7#	
80	8.4	9.2	13.8#	





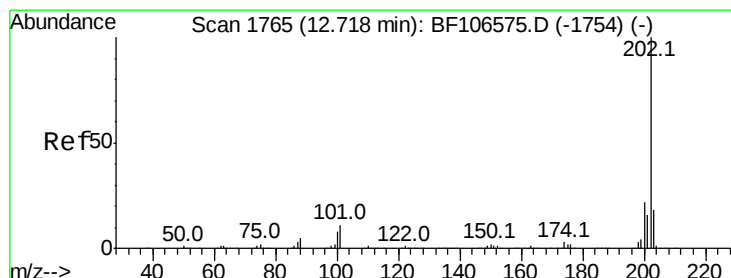
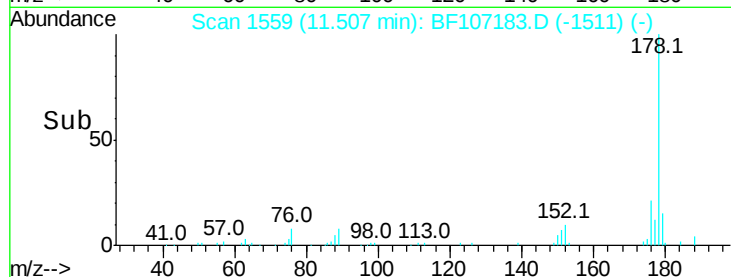
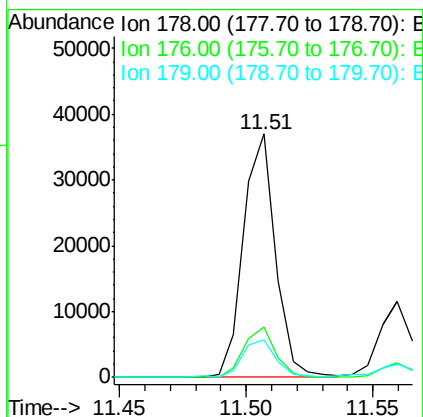
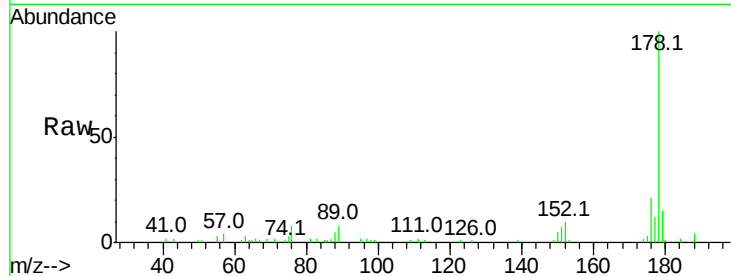
#70
Phenanthrene
Concen: 4.162 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Instrument :
BNA_F
ClientSampled :
S5

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.8	23.8
179	15.5	13.0	19.6

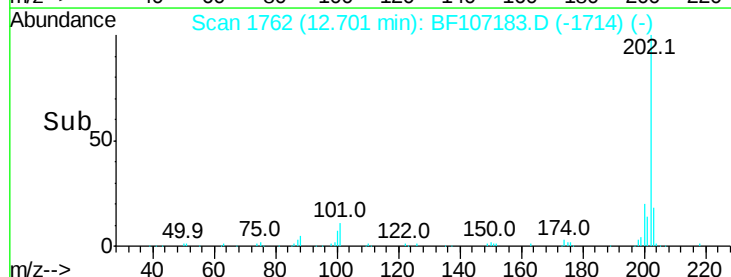
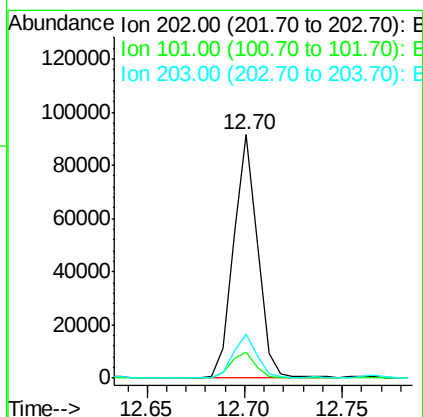
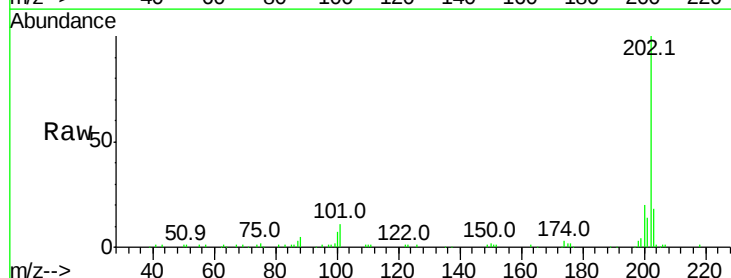
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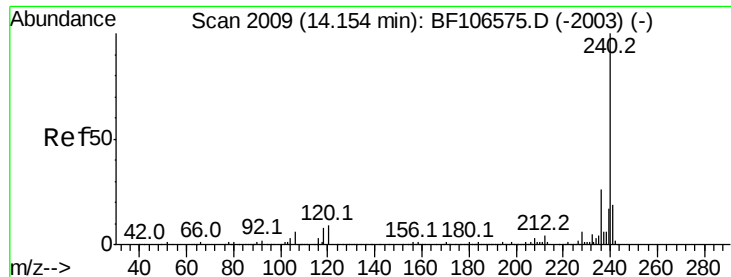
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#74
Fluoranthene
Concen: 9.060 ng
RT: 12.70 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF107183.D

Acq: 6 Jul 2018 19:53

Instrument :

BNA_F

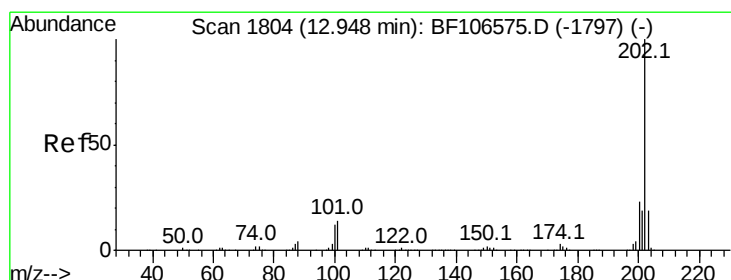
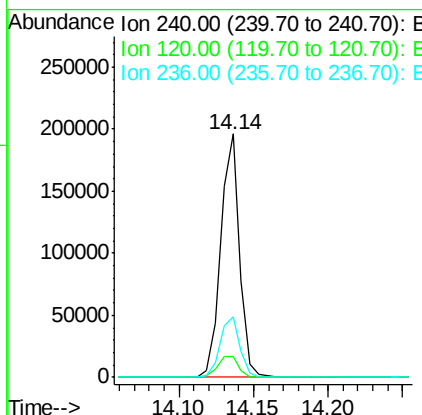
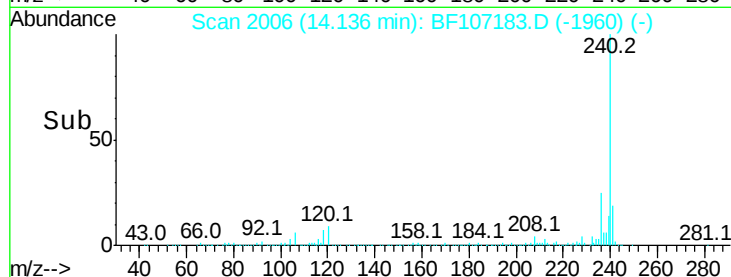
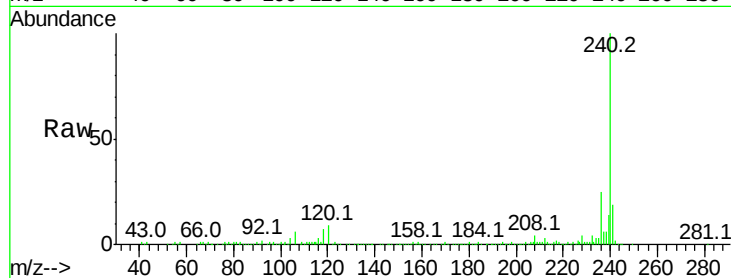
ClientSampled :

S5

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.7	9.5	14.3#
236	25.1	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 6.807 ng

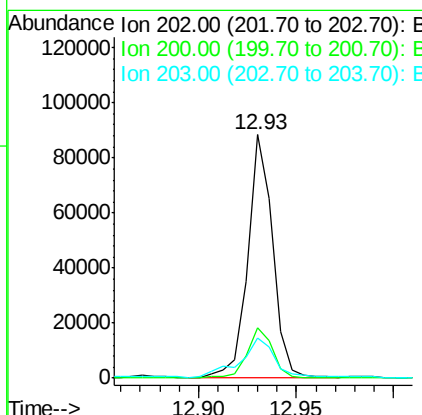
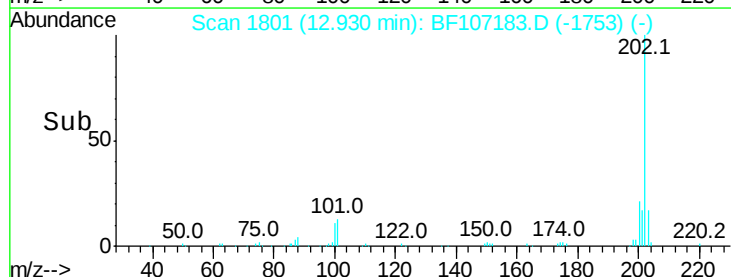
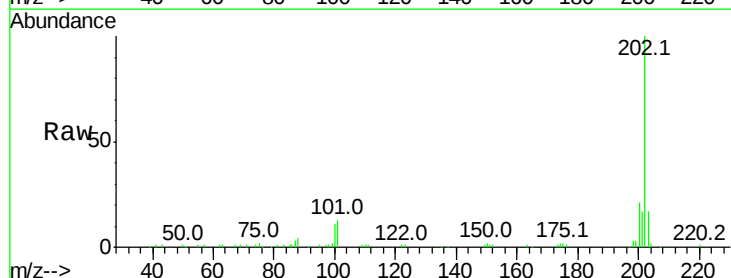
RT: 12.93 min Scan# 1801

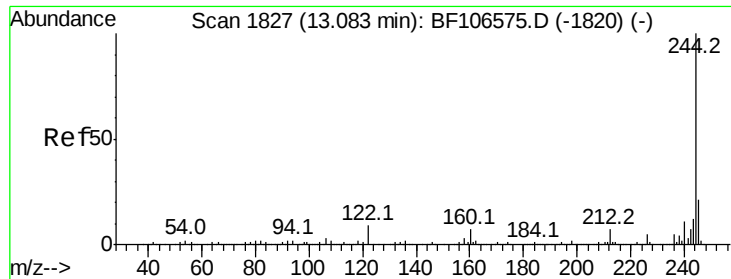
Delta R.T. -0.02 min

Lab File: BF107183.D

Acq: 6 Jul 2018 19:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	16.5	14.3	21.5





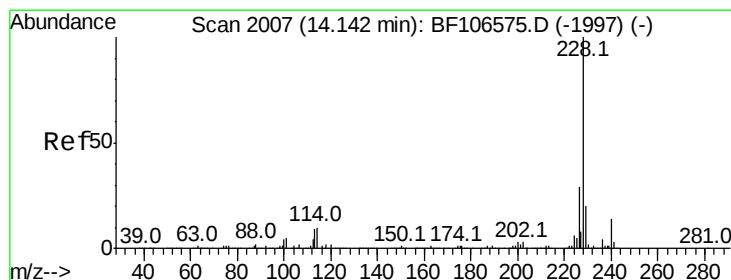
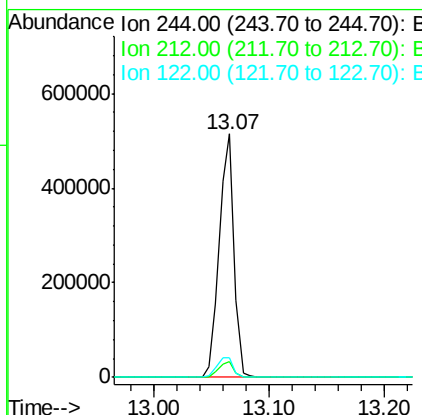
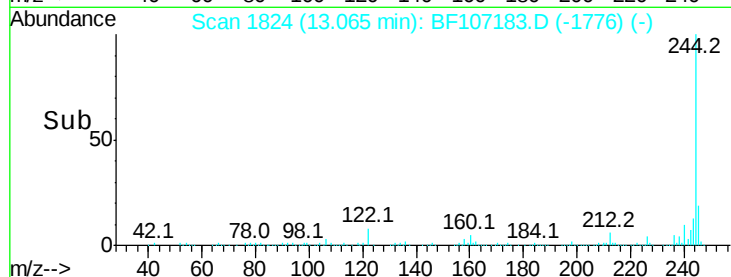
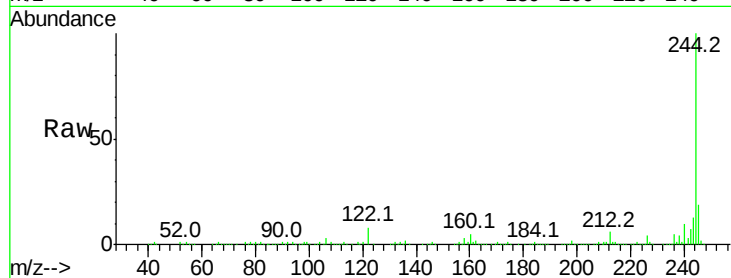
#78
 Terphenyl-d14
 Concen: 63.136 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107183.D
 Acq: 6 Jul 2018 19:53

Instrument :
 BNA_F
 ClientSampleId :
 S5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	8.1	11.0	16.4

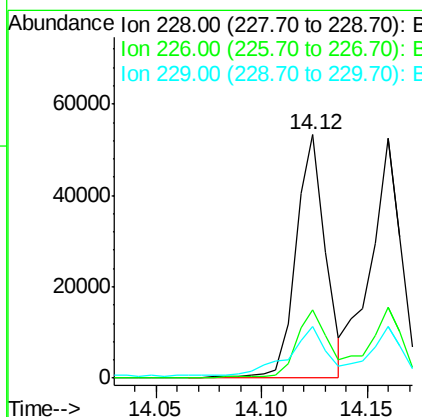
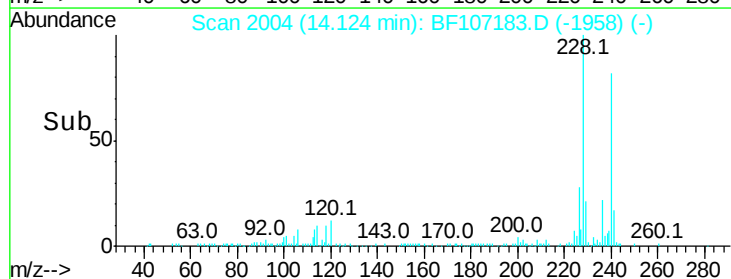
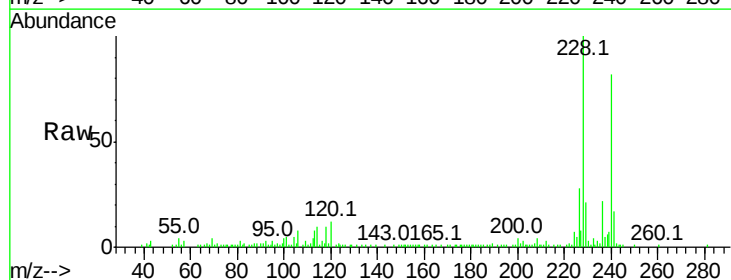
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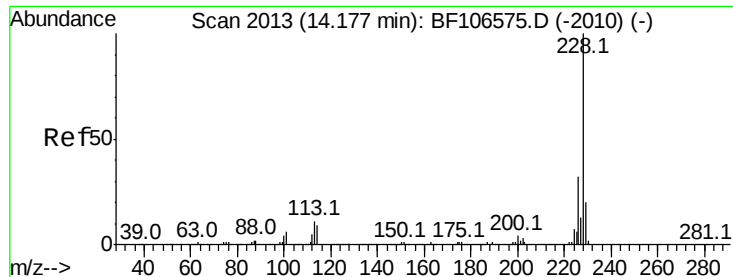
Sohil
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#80
 Benzo(a)anthracene
 Concen: 4.849 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. -0.03 min
 Lab File: BF107183.D
 Acq: 6 Jul 2018 19:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	21.4	15.8	23.6





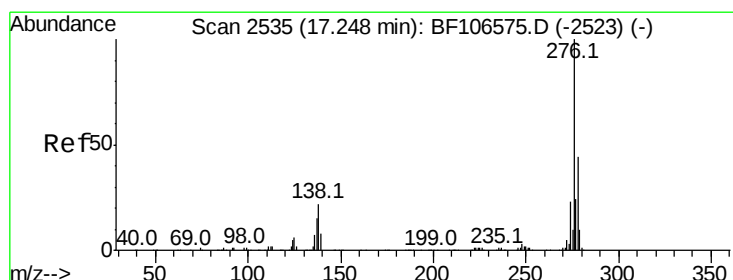
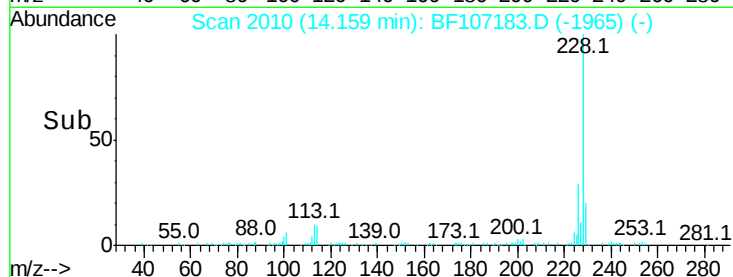
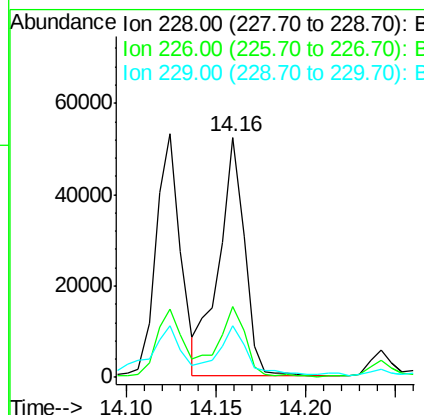
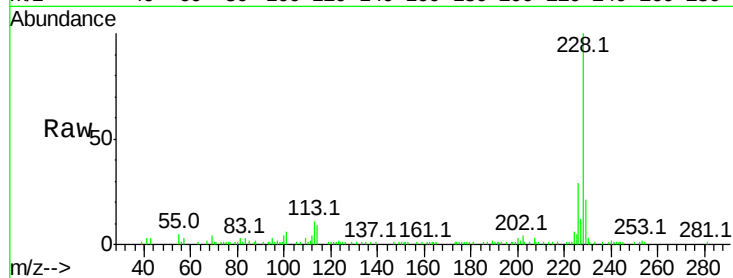
#82
Chrysene
Concen: 5.381 ng/ml
RT: 14.16 min Scan# 2010
Delta R.T. -0.04 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Instrument :
BNA_F
ClientSampleId :
S5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	21.5	16.2	24.4

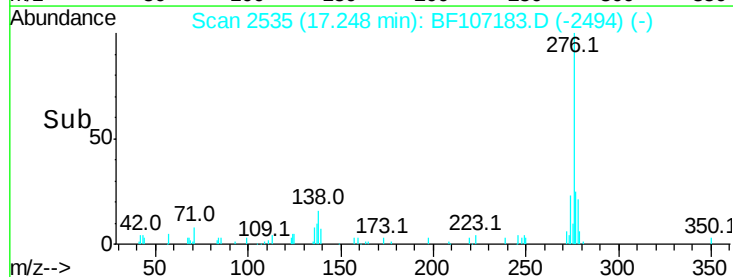
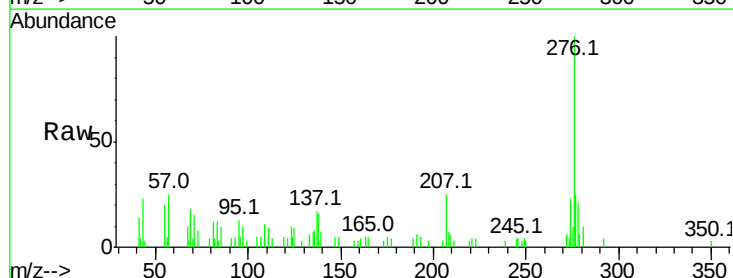
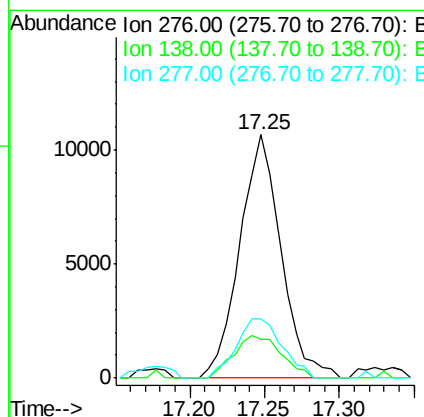
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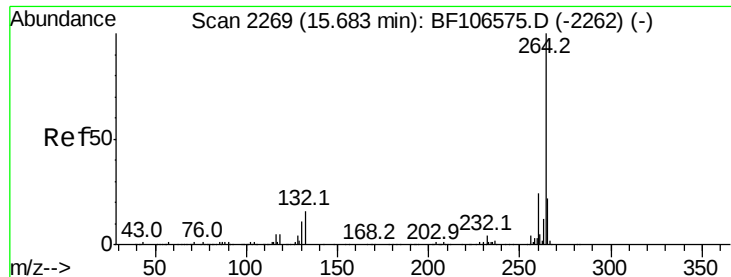
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.467 ng
RT: 17.25 min Scan# 2535
Delta R.T. -0.06 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	25.0	37.6#
277	27.0	20.1	30.1





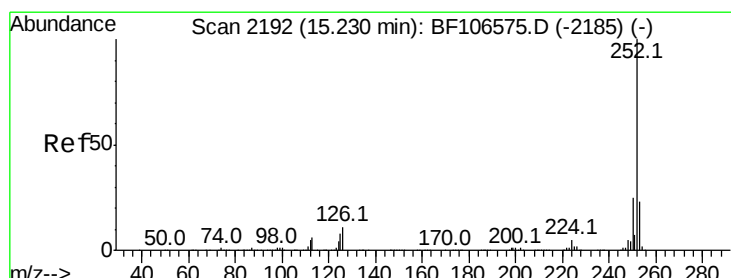
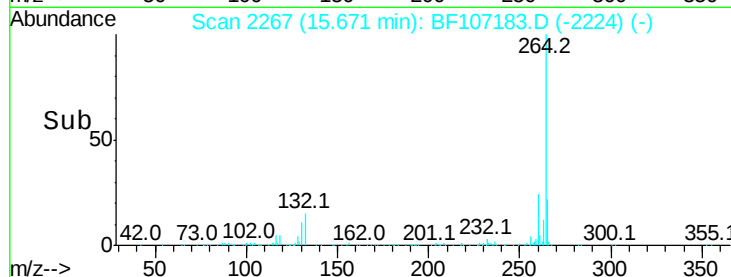
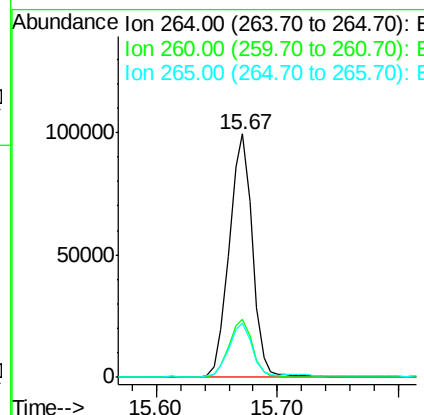
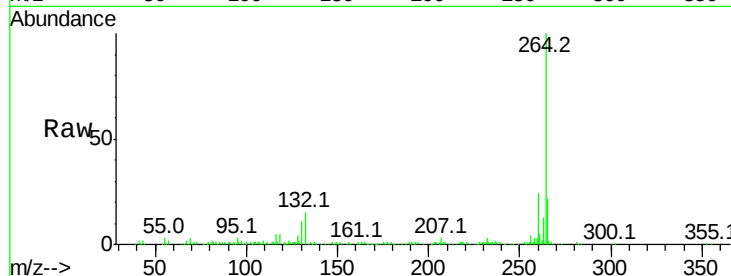
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.05 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Instrument :
BNA_F
ClientSampled :
S5

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.3	17.5	26.3

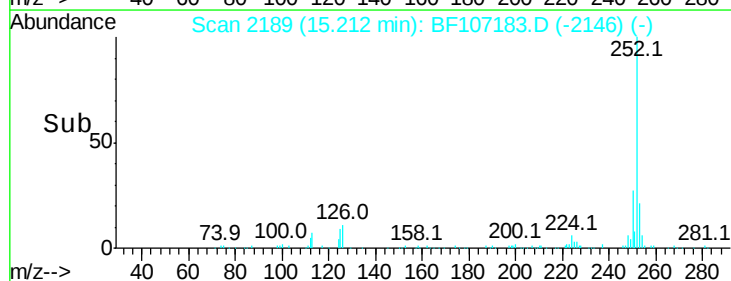
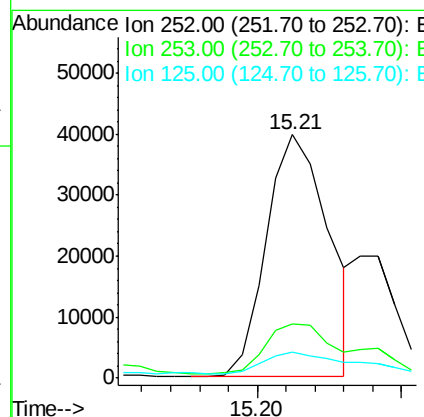
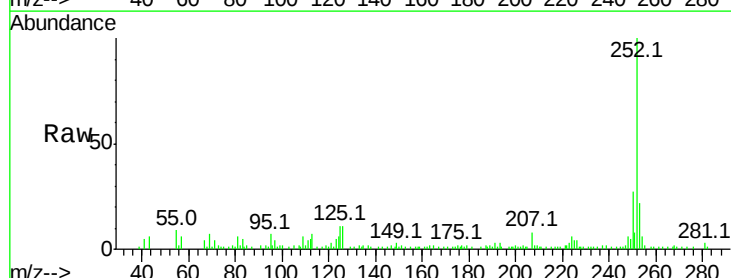
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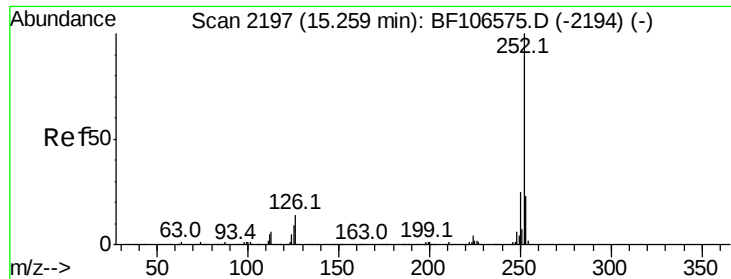
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#87
Benzo(b)fluoranthene
Concen: 7.160 ng m
RT: 15.21 min Scan# 2189
Delta R.T. -0.05 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	10.7	9.0	13.6





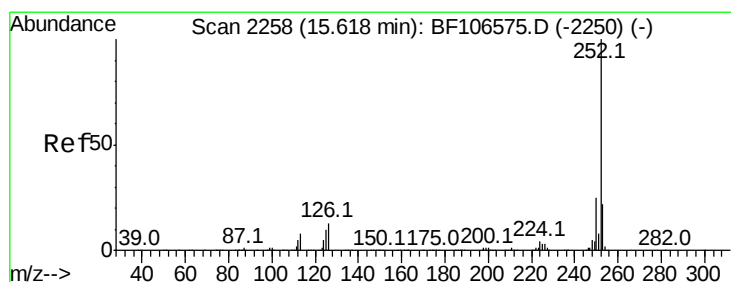
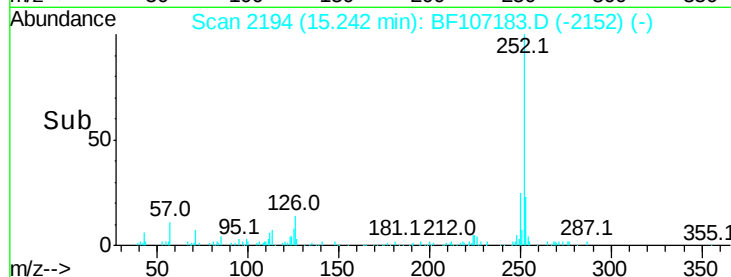
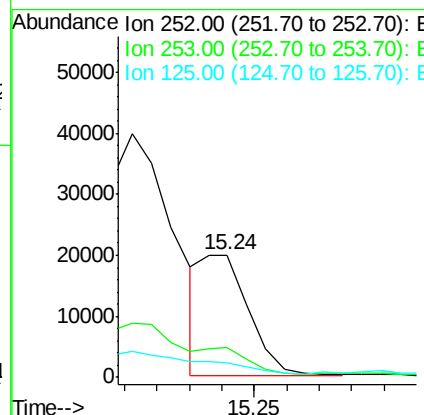
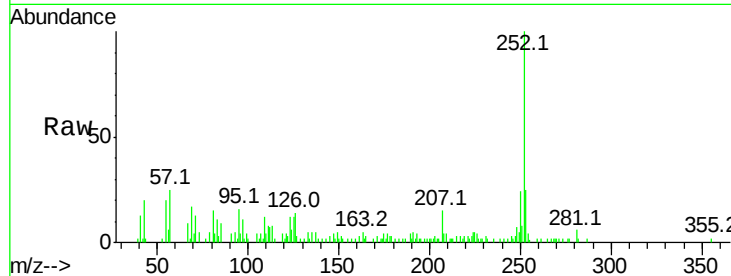
#88
Benzo(k)fluoranthene
Concen: 2.581 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Instrument :
BNA_F
ClientSampleId :
S5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	11.9	10.2	15.2

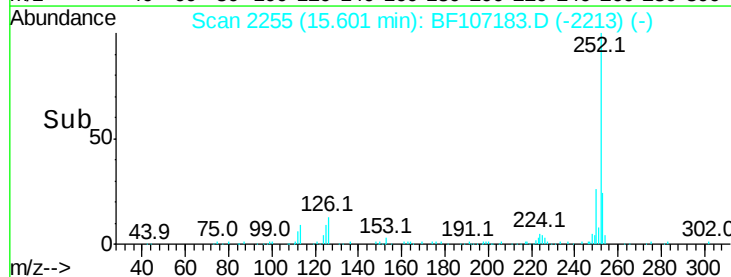
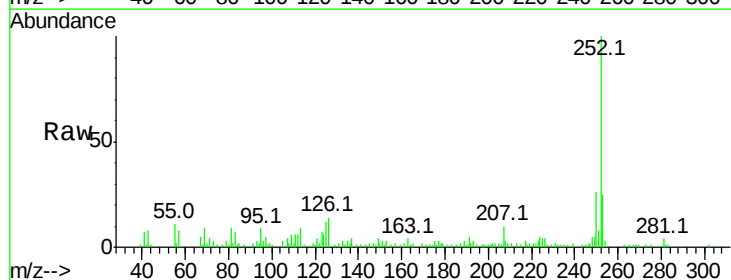
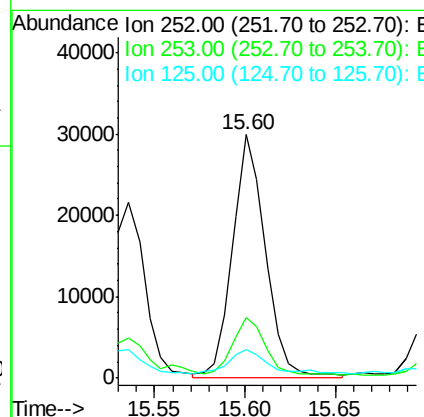
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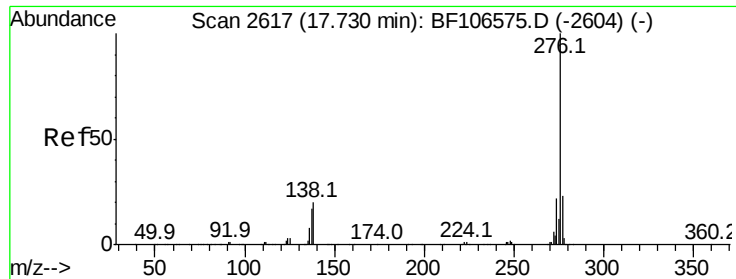
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#89
Benzo(a)pyrene
Concen: 5.170 ng
RT: 15.60 min Scan# 2255
Delta R.T. -0.05 min
Lab File: BF107183.D
Acq: 6 Jul 2018 19:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	11.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.051 ng
 RT: 17.73 min Scan# 2617
 Delta R.T. -0.06 min
 Lab File: BF107183.D
 Acq: 6 Jul 2018 19:53

Instrument :
 BNA_F
 ClientSampleId :
 S5

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.9	26.9
138	19.1	21.8	32.8

Manual Integrations
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