

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
 Data File : BF106941.D
 Acq On : 29 Jun 2018 00:30
 Operator : JU/SJ
 Sample : J3048-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-D

Manual Integrations
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Quant Time: Jun 29 03:28:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 25 18:50:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	61763	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	211420	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	86259	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	148003	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	197668	20.00	ng	-0.03
86) Perylene-d12	15.67	264	182308	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	104859	28.75	ng	0.00
7) Phenol-d6	6.60	99	355356	78.02	ng	-0.02
23) Nitrobenzene-d5	7.52	82	320392	84.22	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	13984	13.99	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	402320	77.67	ng	-0.02
78) Terphenyl-d14	13.07	244	450329	55.19	ng	-0.01
Target Compounds						
10) Phenol	6.61	94	18958	3.647	ng	99
20) 3+4-Methylphenols	7.36	107	40996	8.549	ng	88
32) Benzoic acid	8.02	122	455	5.925	ng	# 1
49) Dimethylphthalate	9.70	163	130943	20.240	ng	99
70) Phenanthrene	11.51	178	33503	4.693	ng	96
74) Fluoranthene	12.70	202	71452	9.081	ng	96
77) Pyrene	12.94	202	68365	5.245	ng	97
80) Benzo(a)anthracene	14.12	228	49850	4.138	ng	97
82) Chrysene	14.16	228	44451	4.011	ng	97
87) Benzo(b)fluoranthene	15.21	252	54177m	4.784	ng	
89) Benzo(a)pyrene	15.60	252	38084	3.783	ng	97

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

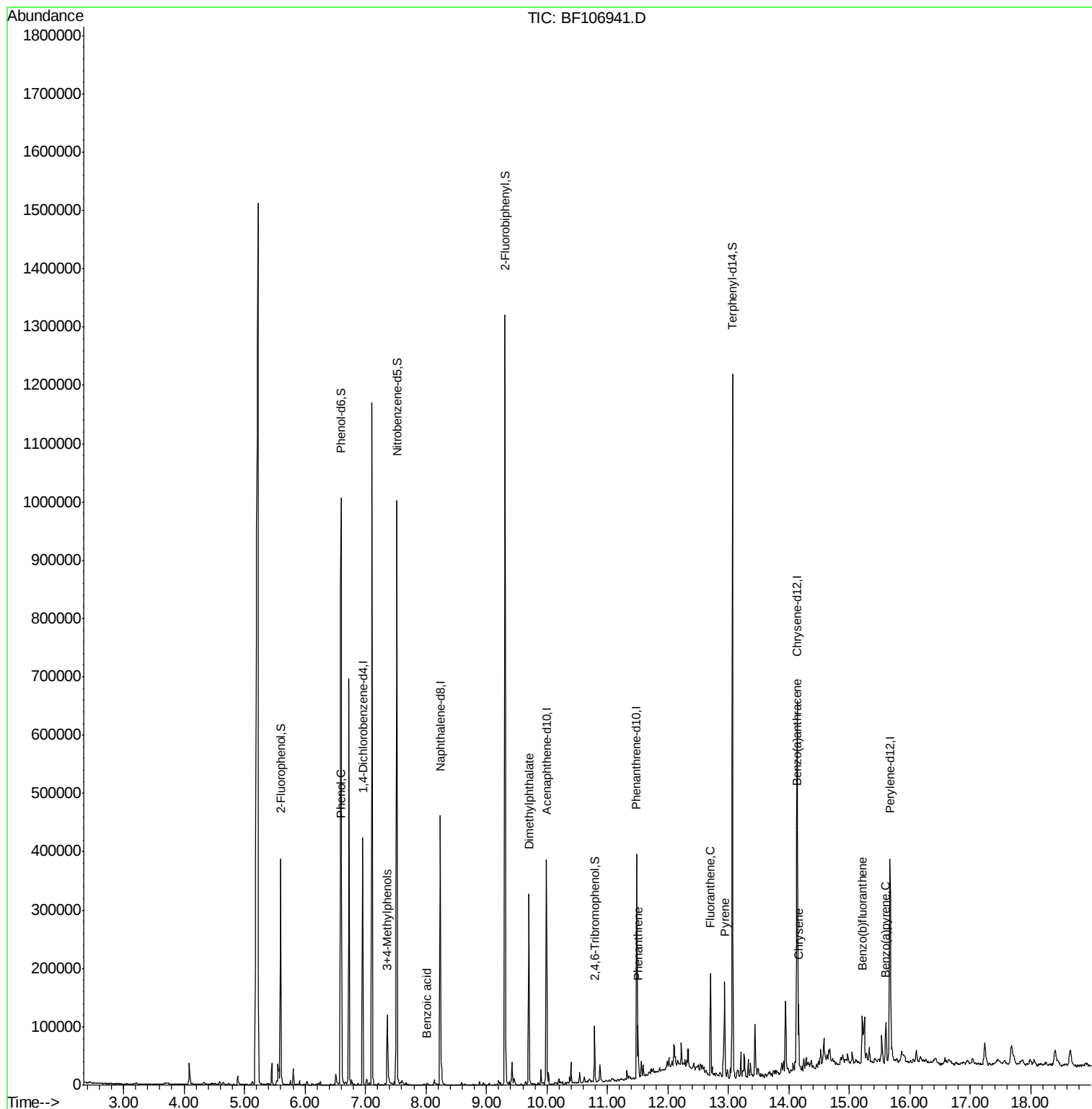
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106941.D
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Operator : JU/SJ
Sample : J3048-15
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#1

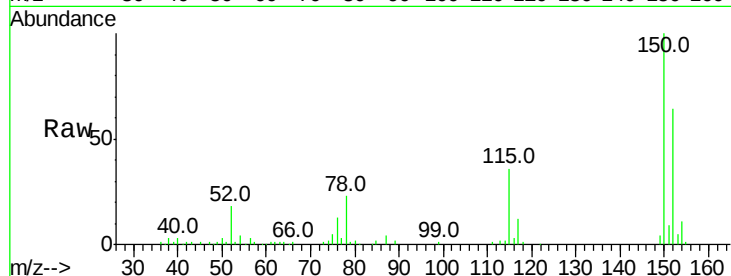
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF106941.D
Acq: 29 Jun 2018 00:30

Instrument :
BNA_F
ClientSampleId :
TP-2-D

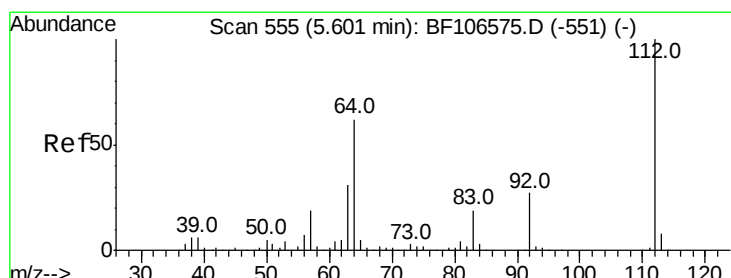
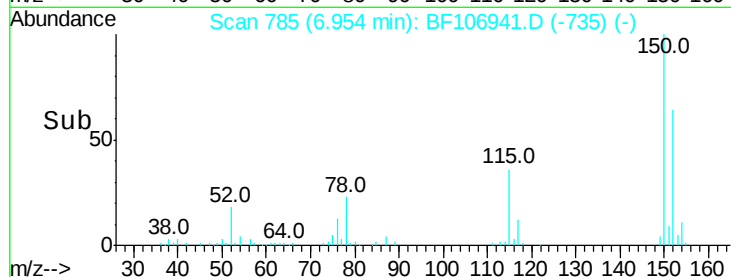
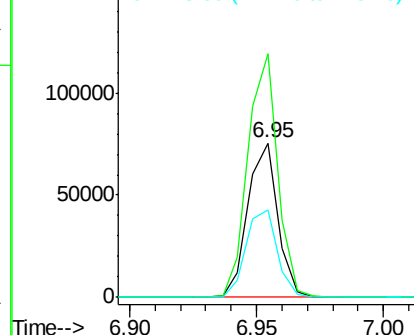
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	56.8	50.1	75.1

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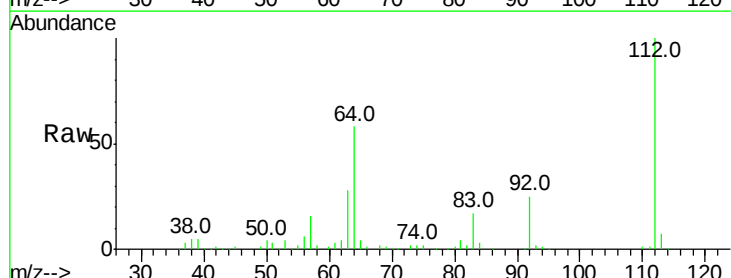
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



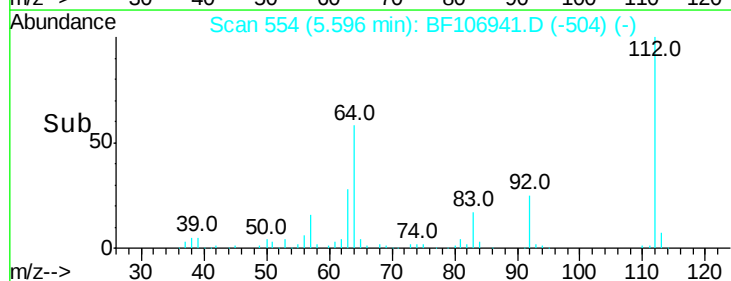
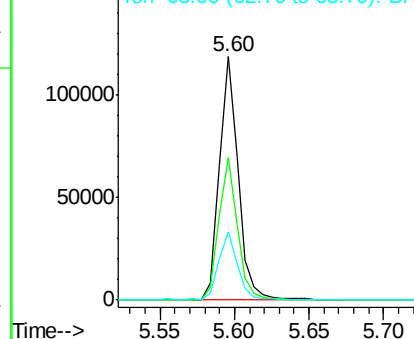
#5

2-Fluorophenol
Concen: 28.749 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106941.D
Acq: 29 Jun 2018 00:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.9	71.9
63	27.8	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: 78.015 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF106941.D

Acq: 29 Jun 2018 00:30

Instrument :

BNA_F

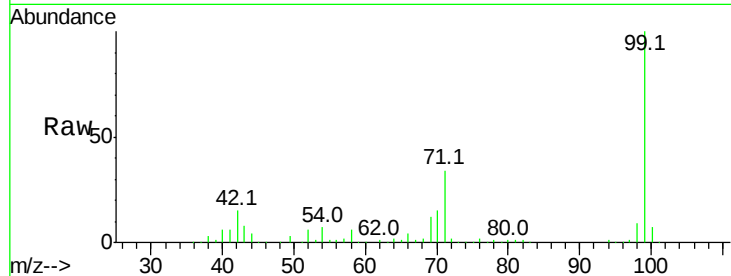
ClientSampled :

TP-2-D

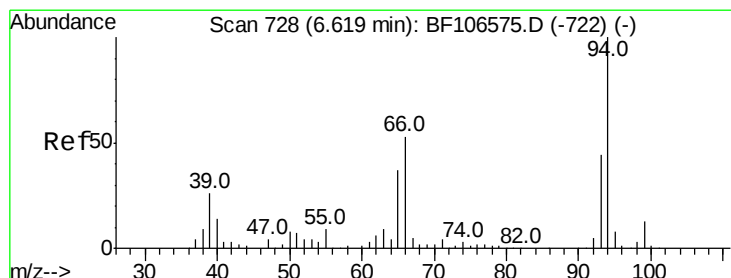
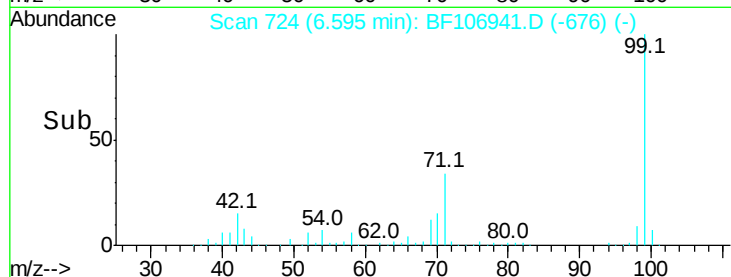
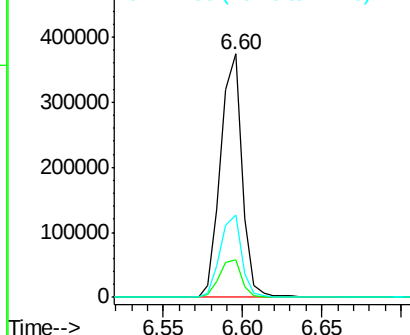
Tot Ion:	99	Resp:	355356
Ion Ratio	Lower	Upper	
99	100		
42	15.4	14.5	21.7
71	33.6	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.647 ng

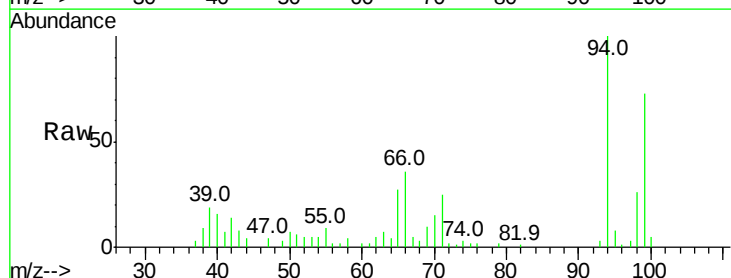
RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

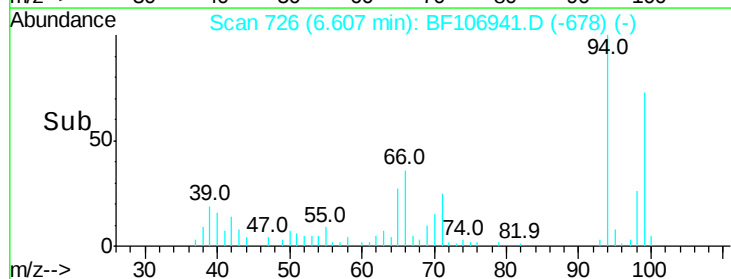
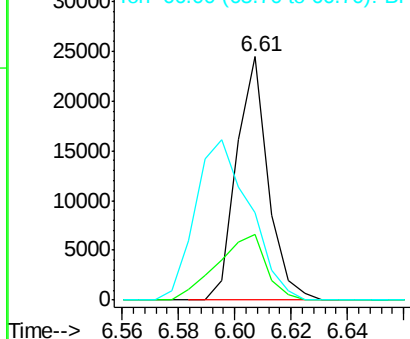
Lab File: BF106941.D

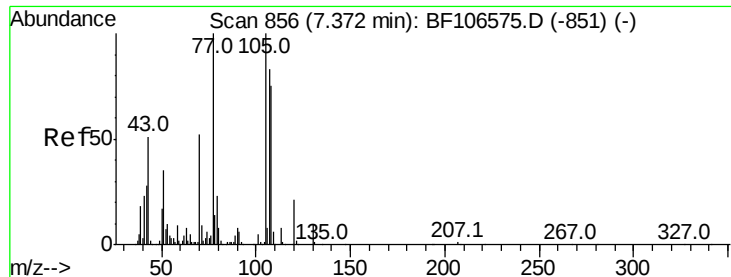
Acq: 29 Jun 2018 00:30

Tgt Ion:	94	Resp:	18958
Ion Ratio	Lower	Upper	
94	100		
65	27.1	7.9	47.9
66	35.8	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#20

3+4-Methylphenols

Concen: 8.549 ng

RT: 7.36 min Scan# 854

Delta R.T. -0.02 min

Lab File: BF106941.D

Acq: 29 Jun 2018 00:30

Instrument :

BNA_F

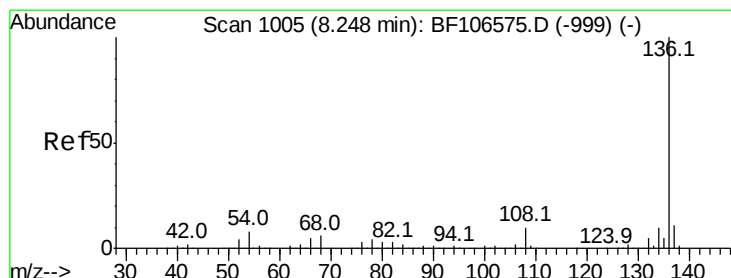
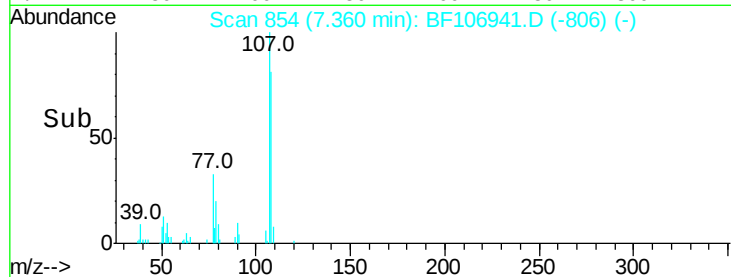
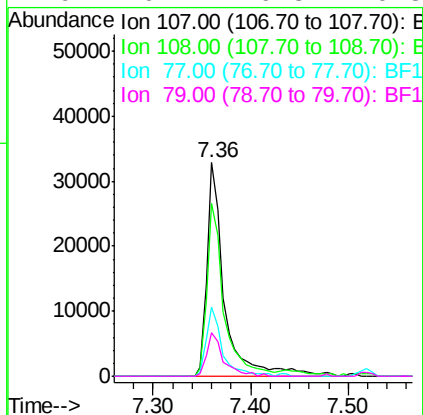
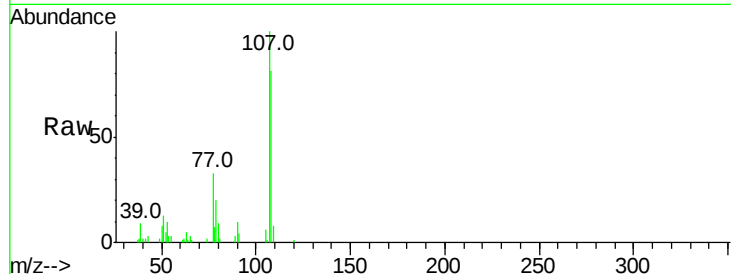
ClientSampled :

TP-2-D

Tot Ion:	107	Resp:	40996
Ion	Ratio	Lower	Upper
107	100		
108	80.9	68.2	108.2
77	32.6	26.7	66.7
79	20.4	6.3	46.3

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#21

Naphthalene-d8

Concen: 20.000 ng

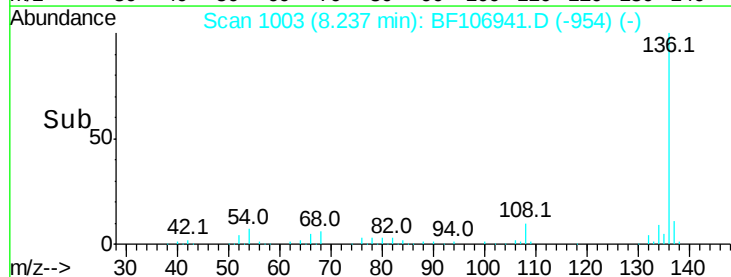
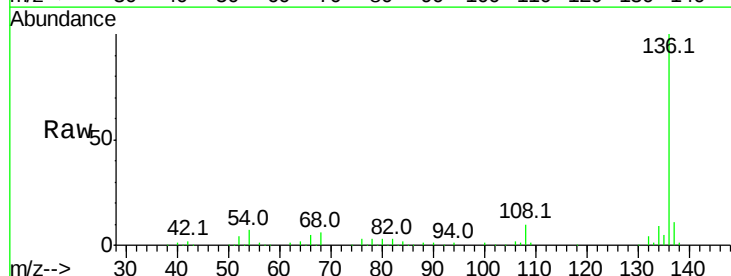
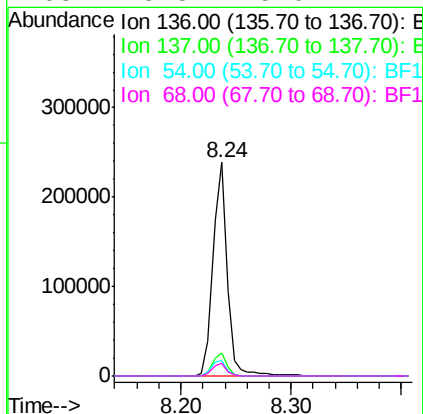
RT: 8.24 min Scan# 1003

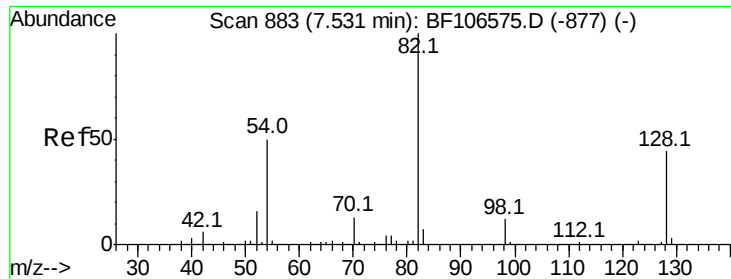
Delta R.T. -0.01 min

Lab File: BF106941.D

Acq: 29 Jun 2018 00:30

Tgt Ion:	136	Resp:	211420
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.2	6.6	9.8
68	5.8	5.0	7.4





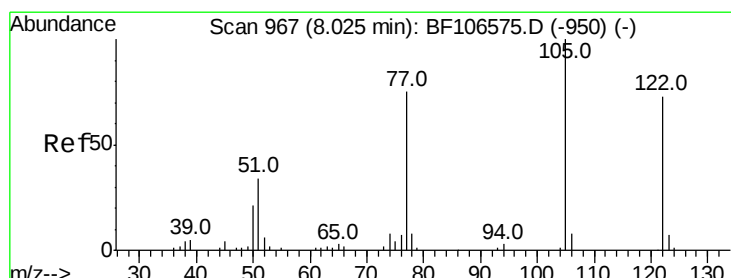
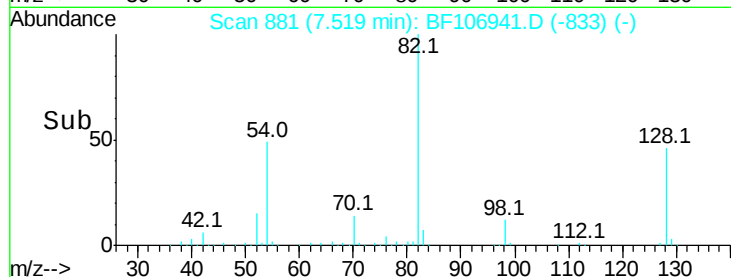
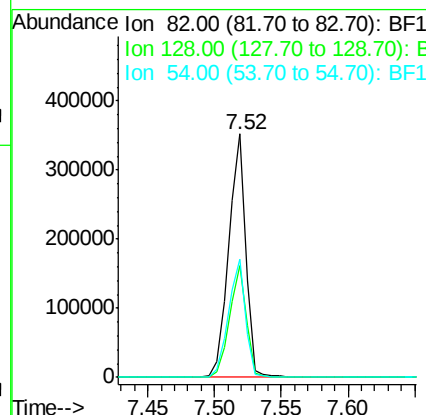
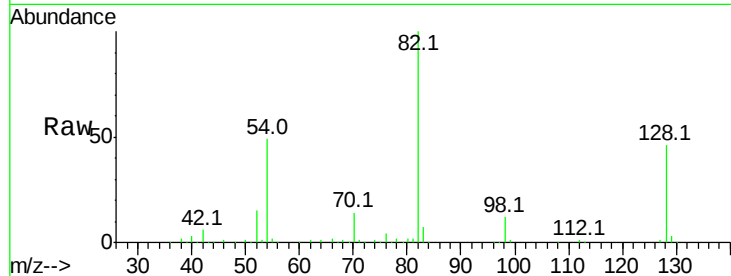
#23
Nitrobenzene-d5
Concen: 84.218 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF106941.D
Acq: 29 Jun 2018 00:30

Instrument :
BNA_F
ClientSampled :
TP-2-D

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	48.6	41.4	62.2

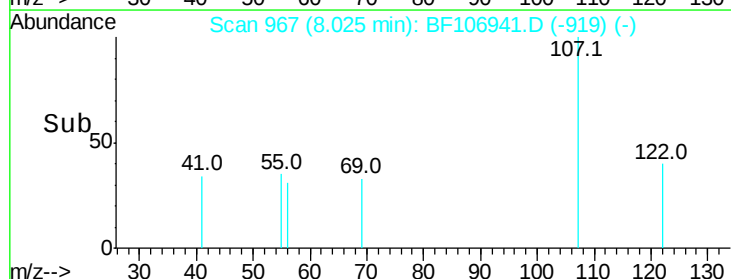
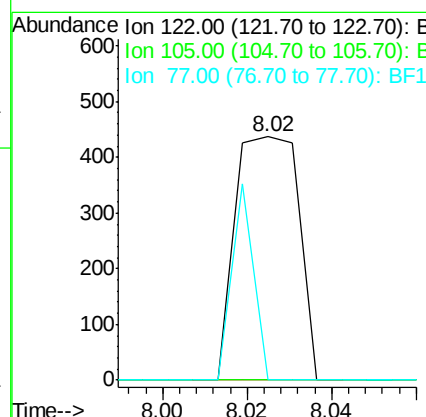
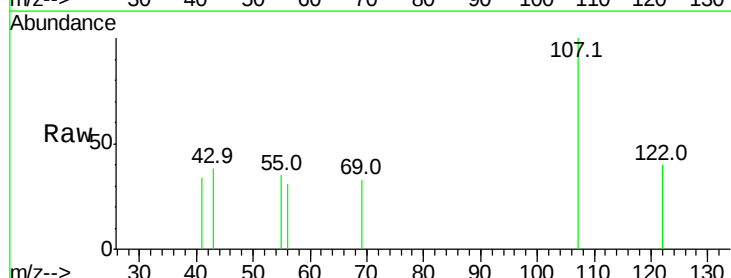
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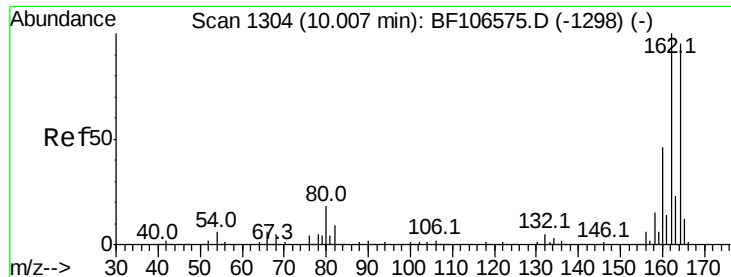
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#32
Benzoic acid
Concen: 5.925 ng
RT: 8.02 min Scan# 967
Delta R.T. -0.02 min
Lab File: BF106941.D
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Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	0.0	70.7	110.7#





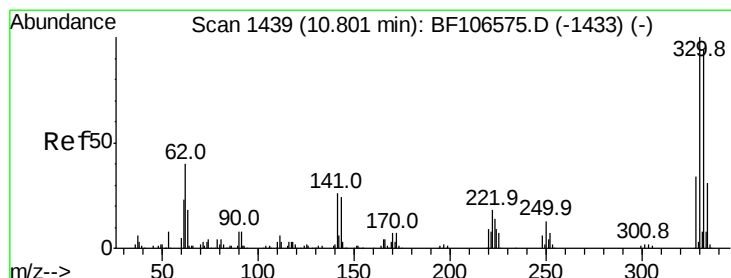
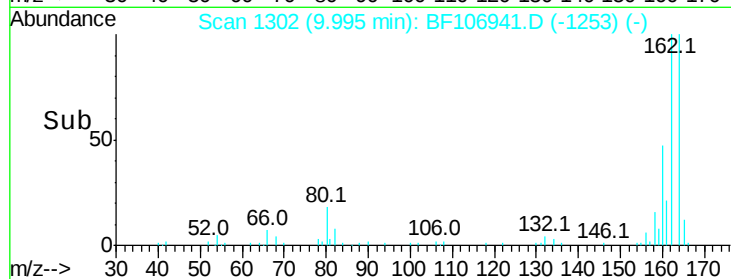
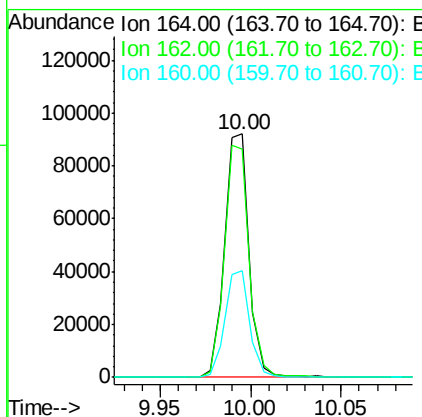
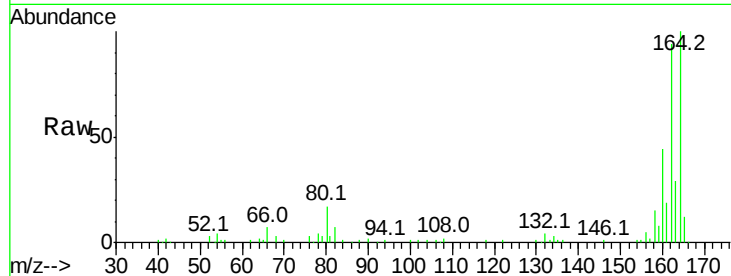
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF106941.D
Acq: 29 Jun 2018 00:30

Instrument :
BNA_F
ClientSampleId :
TP-2-D

Tot Ion	Ratio	Lower	Upper
164	100		
162	93.8	86.1	129.1
160	43.7	38.3	57.5

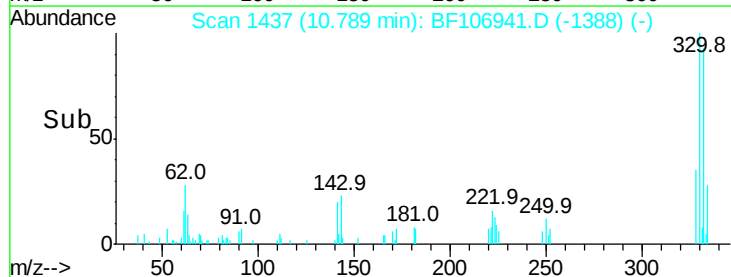
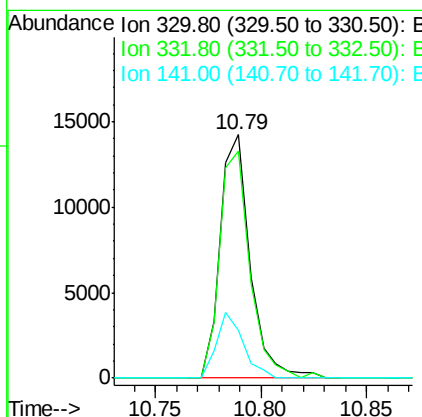
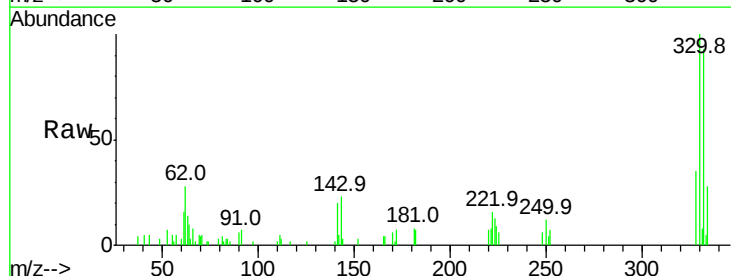
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#41
2,4,6-Tribromophenol
Concen: 13.987 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF106941.D
Acq: 29 Jun 2018 00:30

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.6
141	24.2	29.9	44.9#





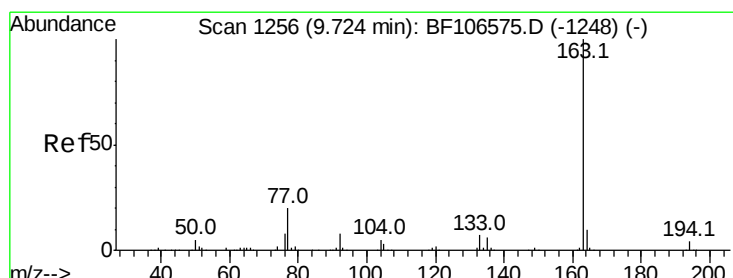
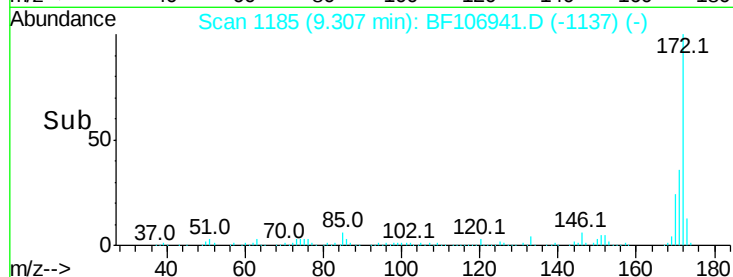
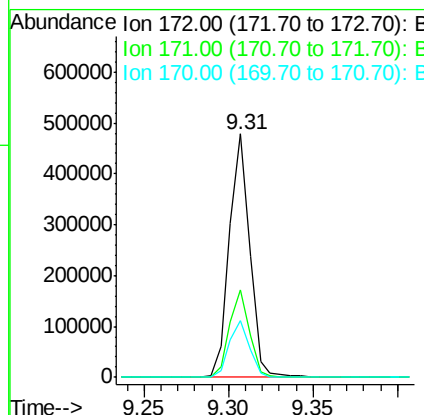
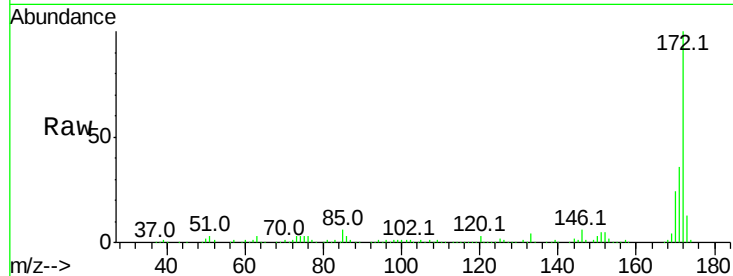
#44
 2-Fluorobiphenyl
 Concen: 77.674 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF106941.D
 Acq: 29 Jun 2018 00:30

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-D

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	29.7	44.5	
170	23.5	19.6	29.4	

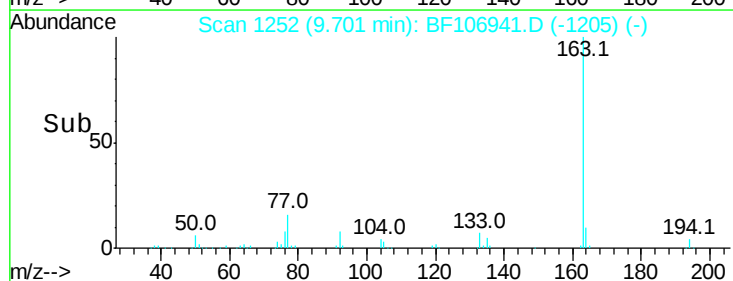
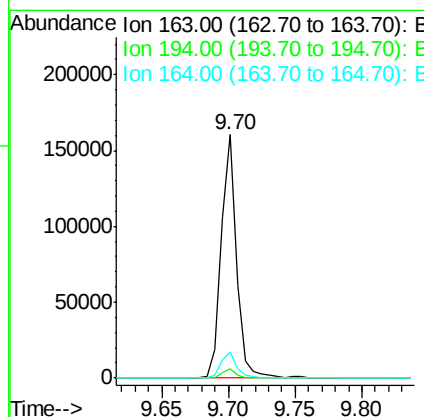
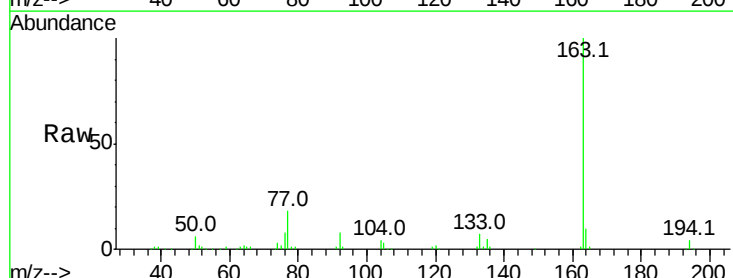
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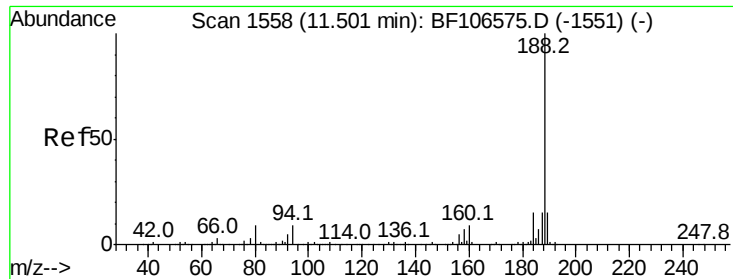
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#49
 Dimethylphthalate
 Concen: 20.240 ng
 RT: 9.70 min Scan# 1252
 Delta R.T. -0.02 min
 Lab File: BF106941.D
 Acq: 29 Jun 2018 00:30

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.8	2.7	4.1	
164	10.4	8.2	12.2	





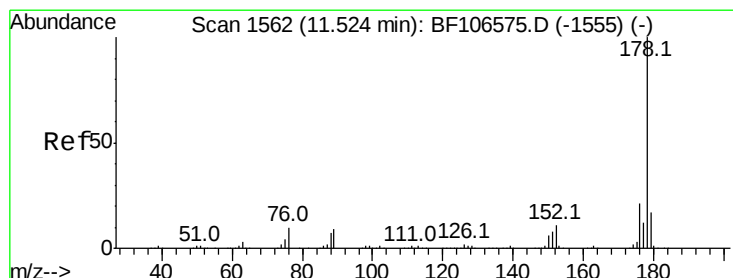
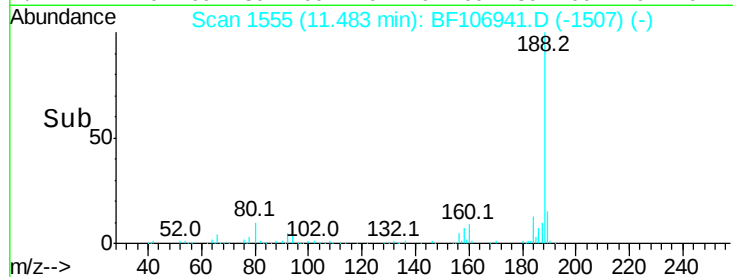
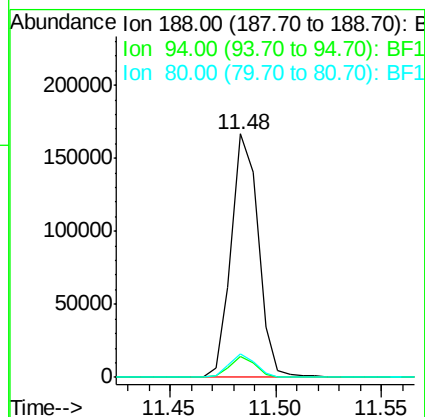
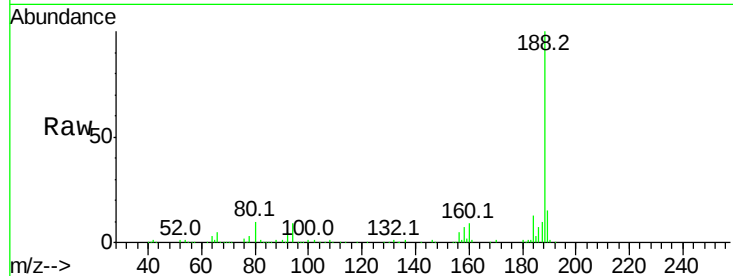
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF106941.D
 Acq: 29 Jun 2018 00:30

Instrument :
 BNA_F
 ClientSampled :
 TP-2-D

Tot Ion	Ratio	Resp	Lower	Upper
188	100	148003		
94	8.8		8.5	12.7
80	9.7		9.2	13.8

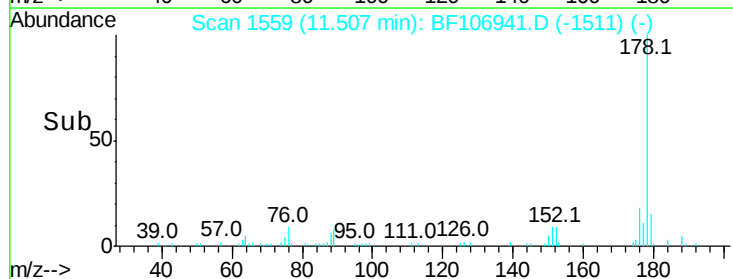
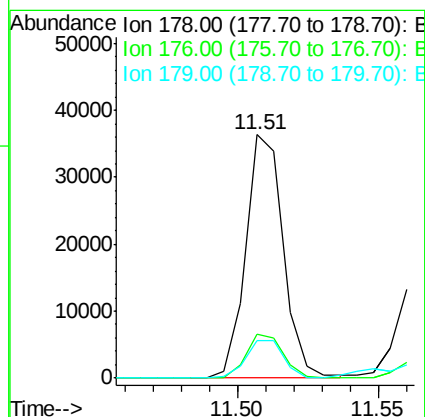
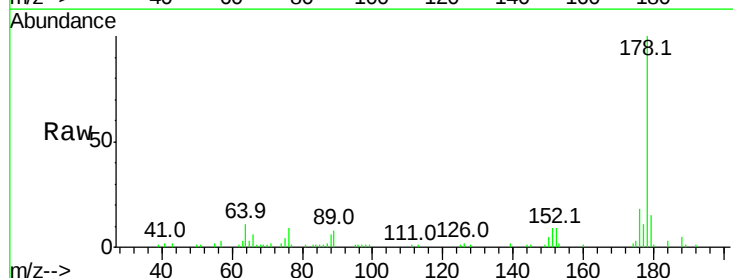
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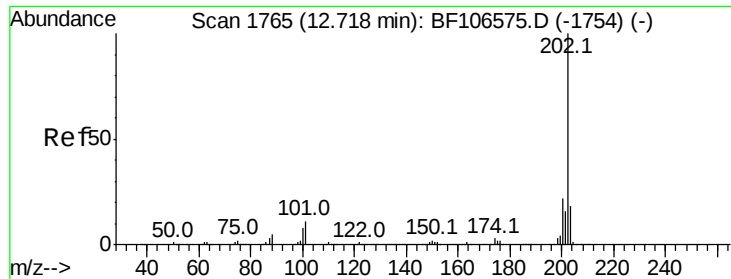
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#70
 Phenanthrene
 Concen: 4.693 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BF106941.D
 Acq: 29 Jun 2018 00:30

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	33503		
176	17.8		15.8	23.8
179	15.2		13.0	19.6





#74

Fluoranthene

Concen: 9.081 ng

RT: 12.70 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF106941.D

Acq: 29 Jun 2018 00:30

Instrument :

BNA_F

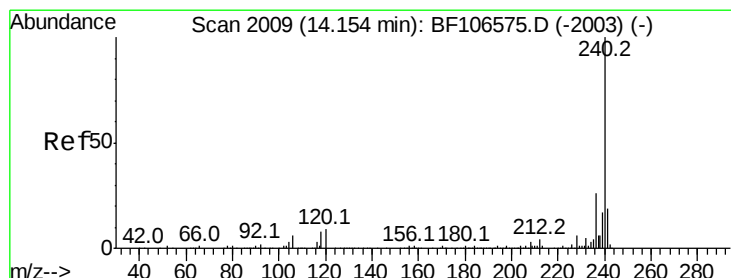
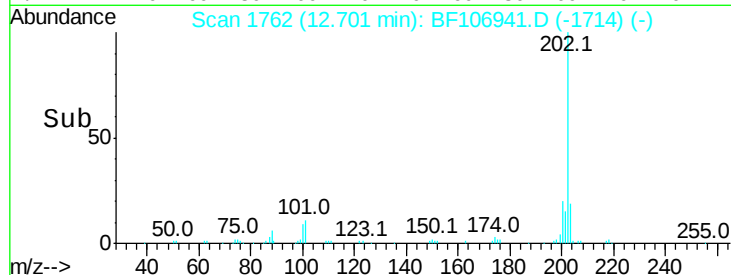
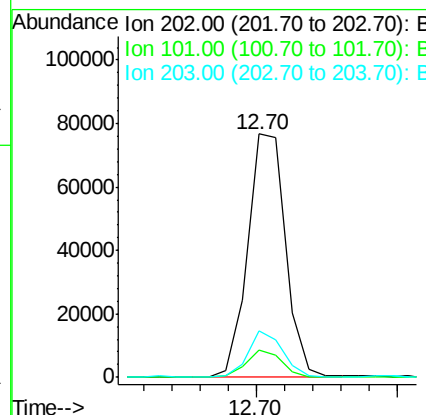
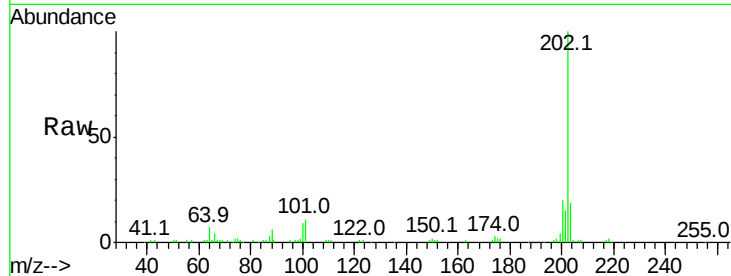
ClientSampled :

TP-2-D

Tot Ion:	202	Resp:	71452
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	34.1
203	19.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

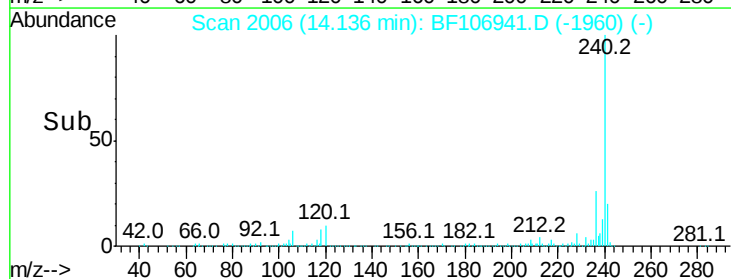
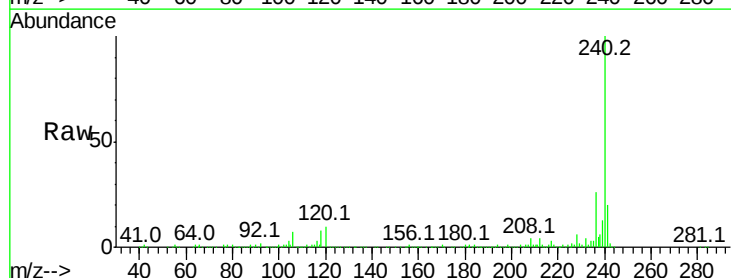
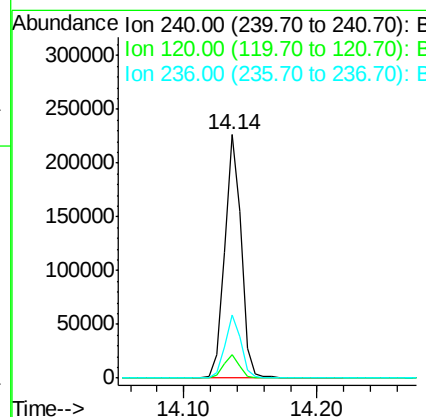
RT: 14.14 min Scan# 2006

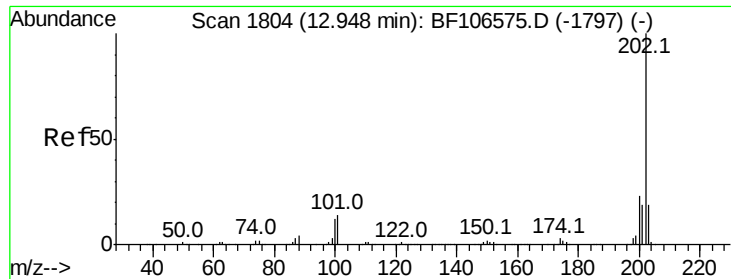
Delta R.T. -0.03 min

Lab File: BF106941.D

Acq: 29 Jun 2018 00:30

Tgt Ion:	240	Resp:	197668
Ion Ratio	Lower	Upper	
240	100		
120	9.5	9.5	14.3
236	26.0	20.7	31.1





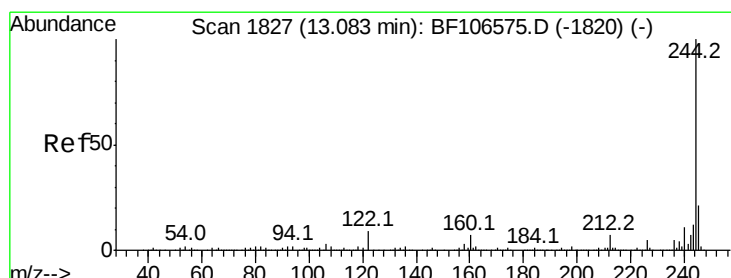
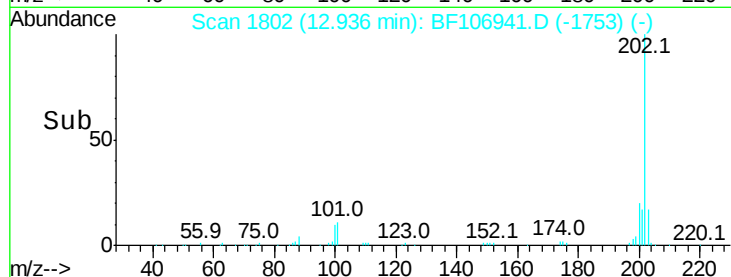
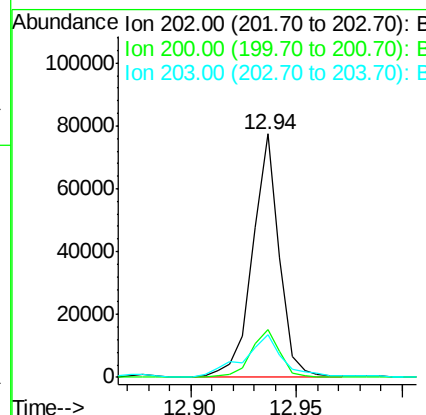
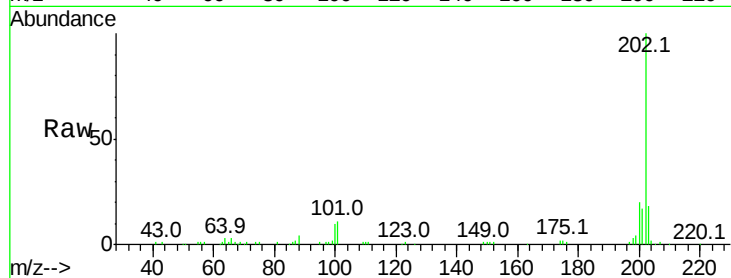
#77
Pvrene
Concen: 5.245 ng
RT: 12.94 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF106941.D
Acq: 29 Jun 2018 00:30

Instrument :
BNA_F
ClientSampled :
TP-2-D

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.4	26.2
203	17.8	14.3	21.5

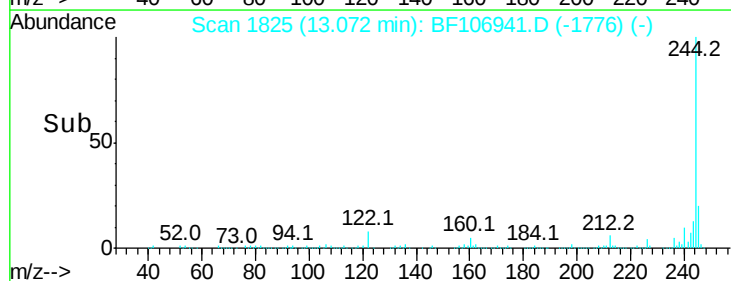
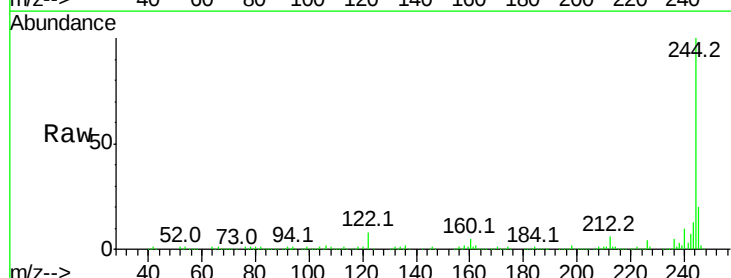
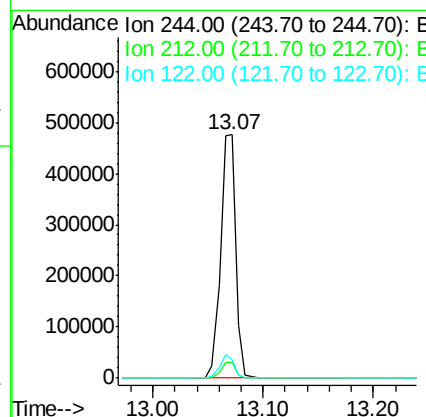
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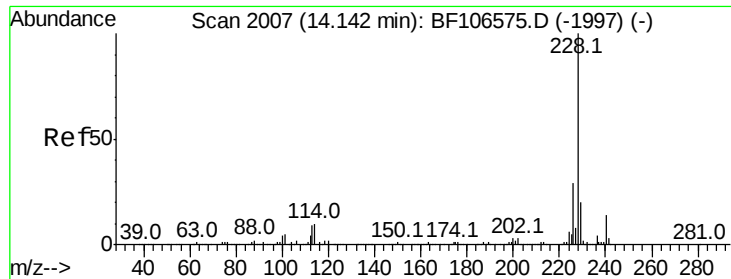
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#78
Terphenyl-d14
Concen: 55.185 ng
RT: 13.07 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF106941.D
Acq: 29 Jun 2018 00:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	7.6	11.0	16.4#





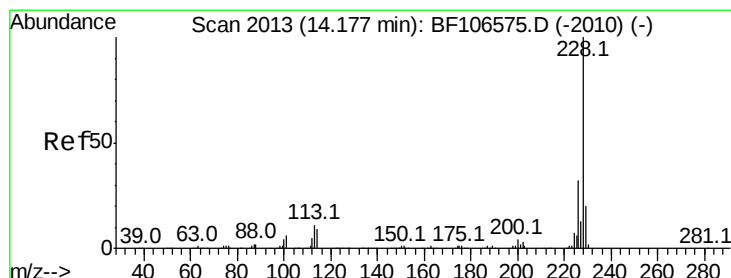
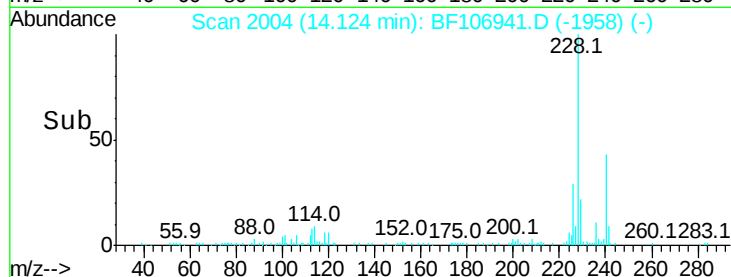
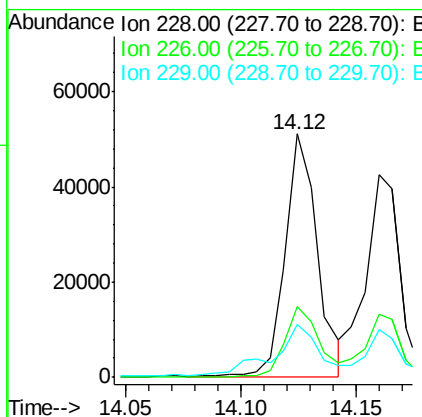
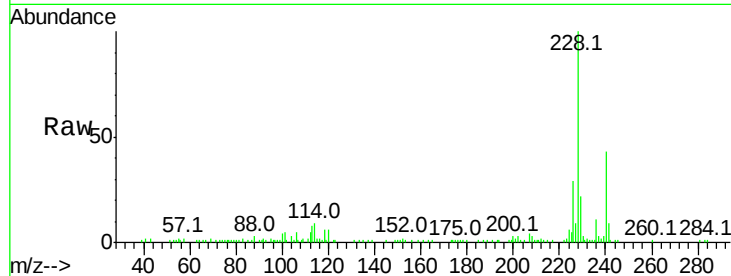
#80
Benzo(a)anthracene
Concen: 4.138 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.03 min
Lab File: BF106941.D
Acq: 29 Jun 2018 00:30

Instrument :
BNA_F
ClientSampled :
TP-2-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	21.9	15.8	23.6

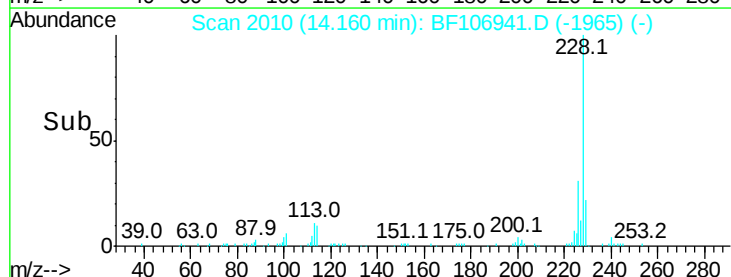
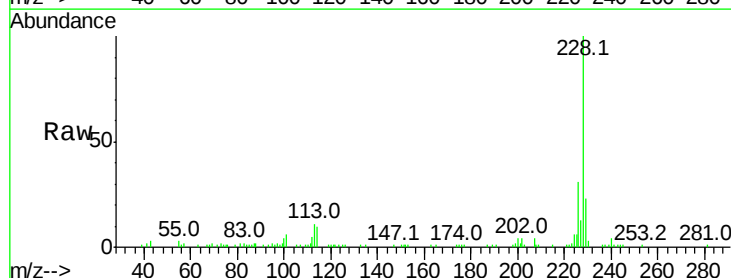
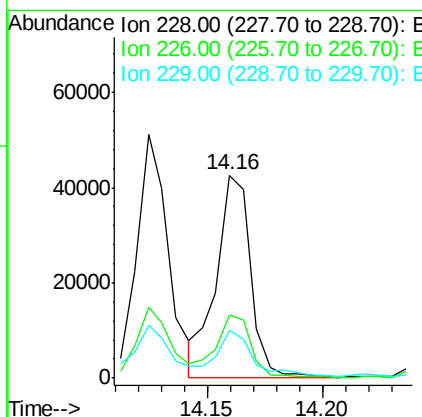
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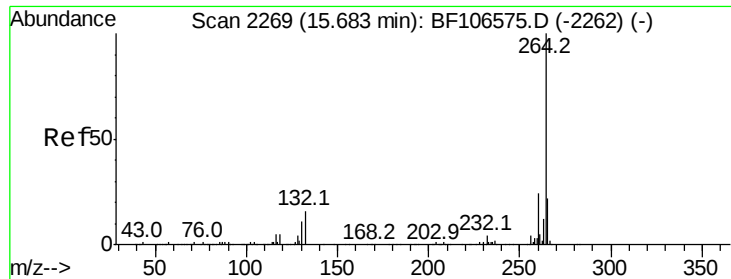
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#82
Chrysene
Concen: 4.011 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.04 min
Lab File: BF106941.D
Acq: 29 Jun 2018 00:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	23.5	16.2	24.4





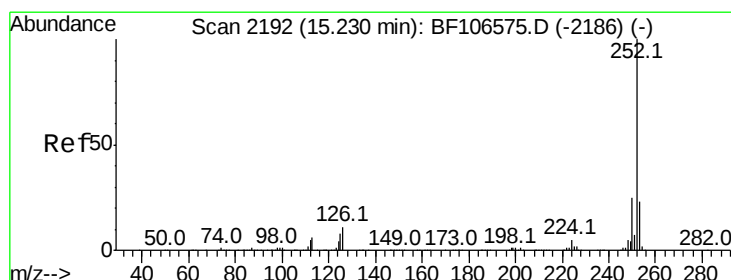
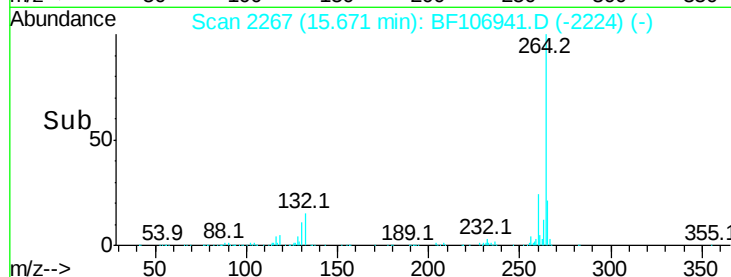
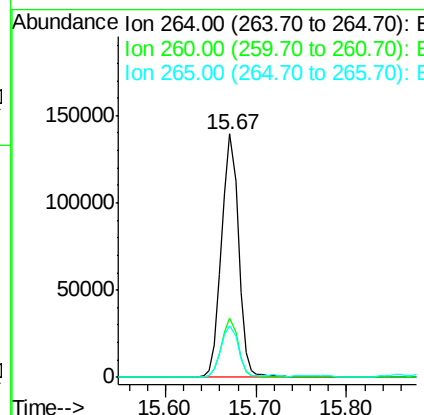
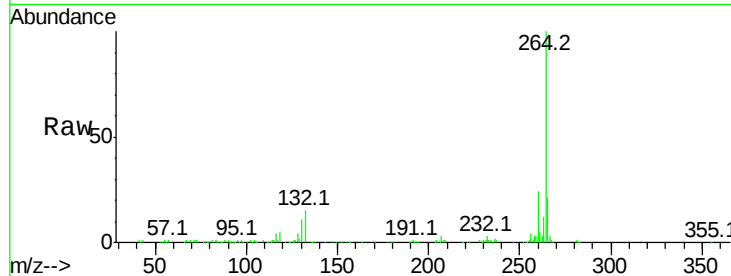
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.05 min
Lab File: BF106941.D
Acq: 29 Jun 2018 00:30

Instrument :
BNA_F
ClientSampled :
TP-2-D

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.3	17.5	26.3

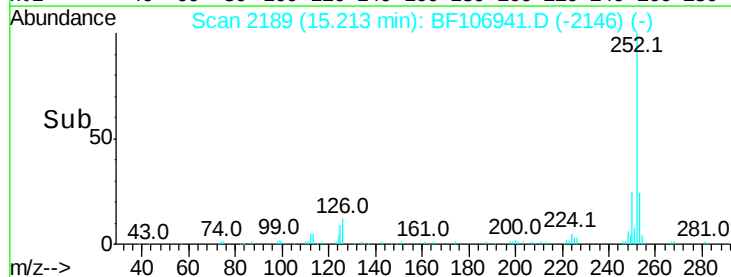
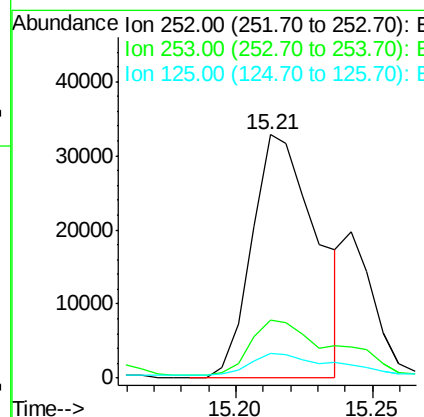
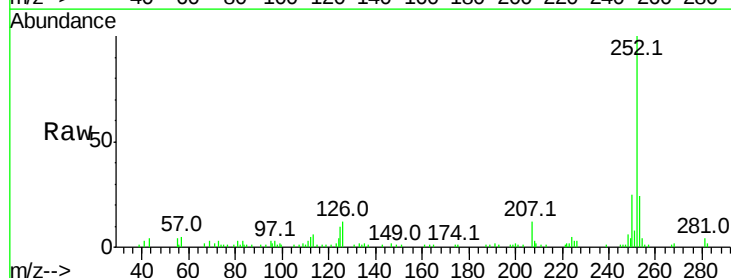
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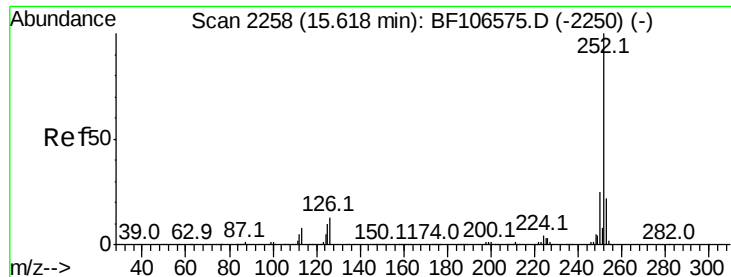
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#87
Benzo(b)fluoranthene
Concen: 4.784 ng m
RT: 15.21 min Scan# 2189
Delta R.T. -0.05 min
Lab File: BF106941.D
Acq: 29 Jun 2018 00:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	10.2	9.0	13.6





#89
 Benzo(a)pyrene
 Concen: 3.783 ng
 RT: 15.60 min Scan# 2255
 Delta R.T. -0.05 min
 Lab File: BF106941.D
 Acq: 29 Jun 2018 00:30

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-D

Tot Ion:	252	Resp:	38084
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.1	25.7
125	11.0	9.8	14.6

Manual Integrations
 APPROVED

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 6/29/2018 2:30:57 PM

