

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107233.D
 Acq On : 9 Jul 2018 17:14
 Operator : JU/SJ
 Sample : J3880-07RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-14RE

Manual Integrations
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Quant Time: Jul 09 18:29:33 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	6.95	152	36493	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	123921	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	54361	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	105226	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	98775	20.00	ng	-0.02
86) Perylene-d12	15.70	264	77363	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	223715	103.81	ng	0.00
7) Phenol-d6	6.60	99	267084	99.24	ng	-0.02
23) Nitrobenzene-d5	7.51	82	161940	72.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	68565	108.82	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	289139	91.08	ng	-0.02
78) Terphenyl-d14	13.07	244	336664	82.56	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.70	163	58395	14.323	ng	Qvalue 98
70) Phenanthrene	11.51	178	41399	8.157	ng	98
71) Anthracene	11.57	178	13720	2.648	ng	97
74) Fluoranthene	12.71	202	96914	17.325	ng	94
77) Pyrene	12.94	202	93881	14.413	ng	99
80) Benzo(a)anthracene	14.14	228	57640	9.575	ng	98
82) Chrysene	14.18	228	50859	9.183	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	22390	4.764	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	58254m	12.122	ng	
88) Benzo(k)fluoranthene	15.27	252	21204m	4.633	ng	
89) Benzo(a)pyrene	15.63	252	37746	8.835	ng	94
91) Benzo(a,h,i)perylene	17.79	276	24335	6.876	ng	# 91

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

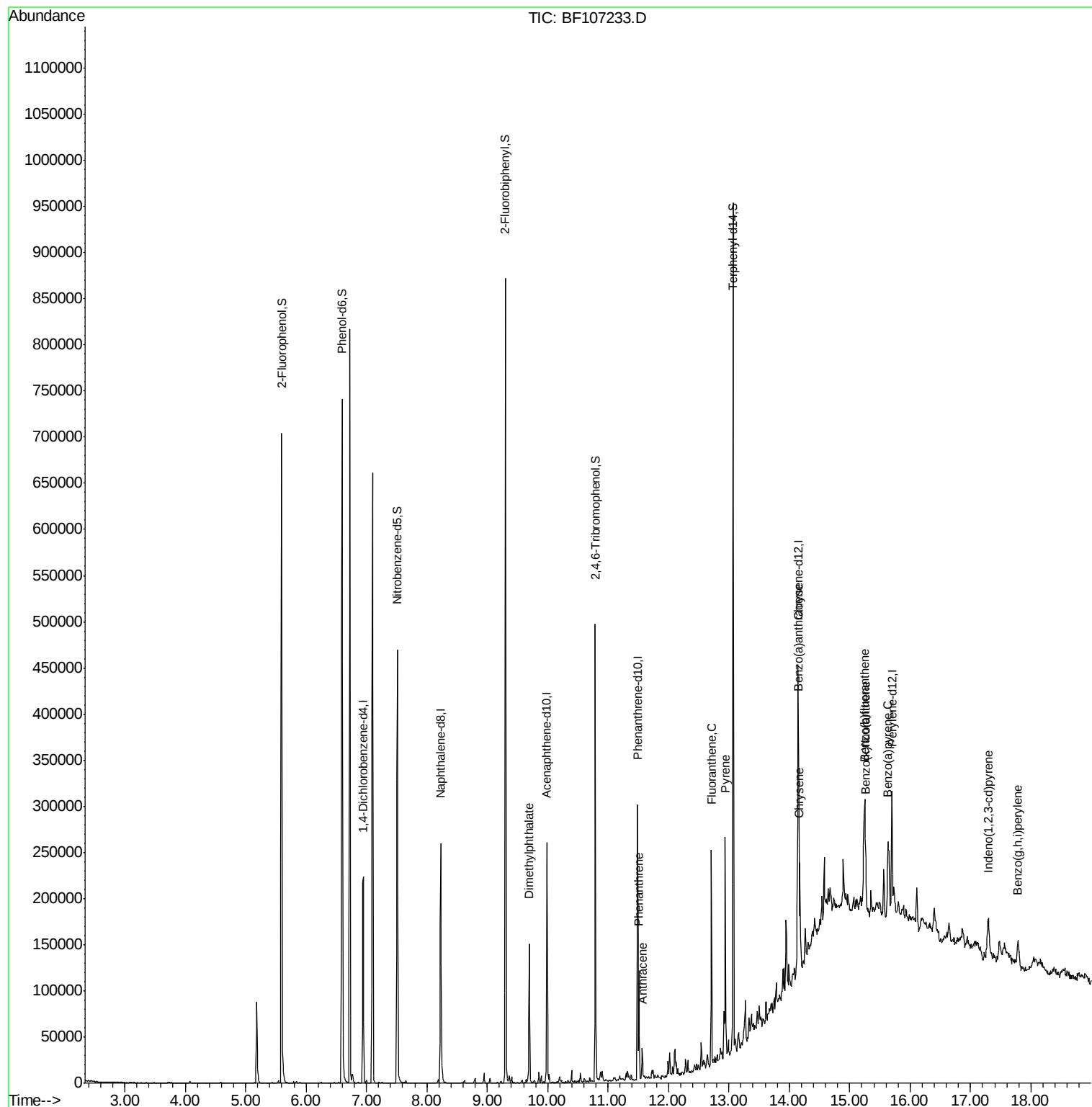
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
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#1

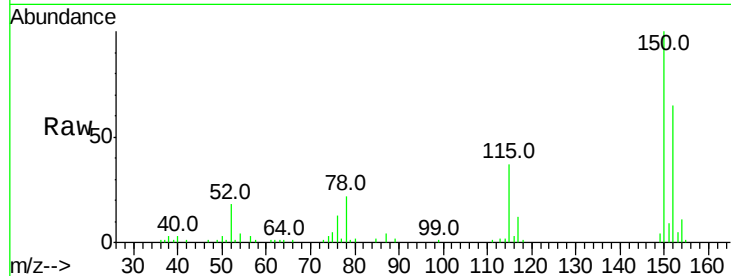
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107233.D
Acq: 9 Jul 2018 17:14

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-14RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.6	186.8
115	57.3	50.1	75.1

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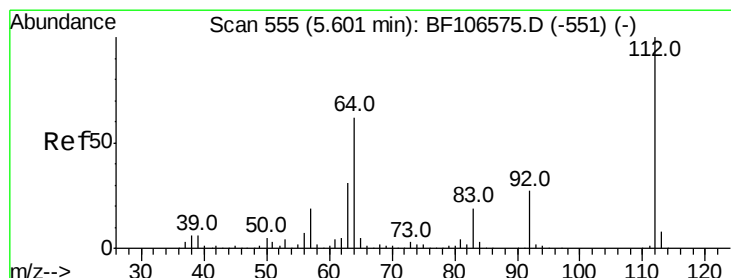
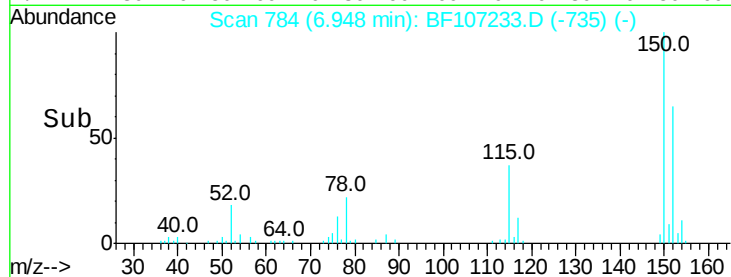
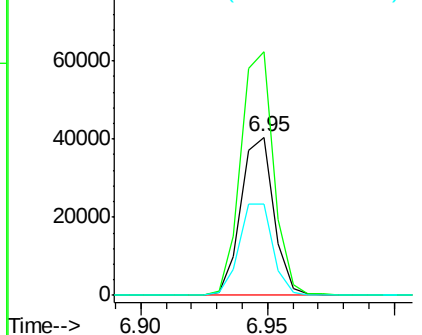


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

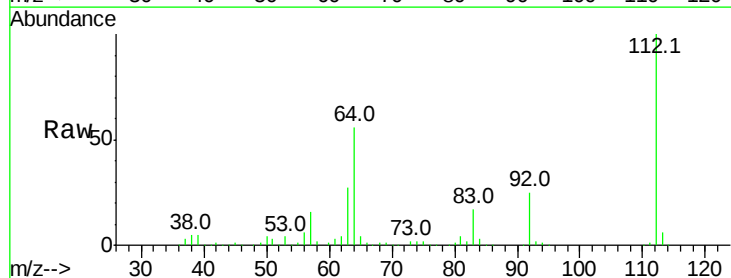
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 103.806 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107233.D
Acq: 9 Jul 2018 17:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.9	71.9
63	27.4	23.7	35.5

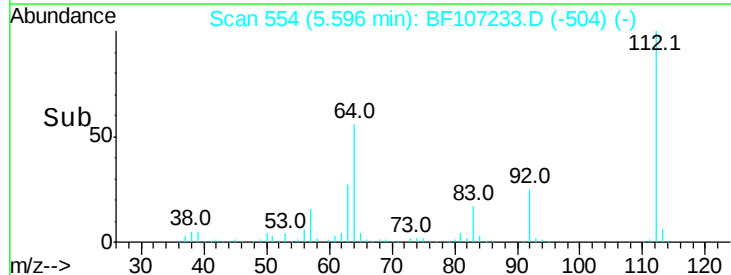
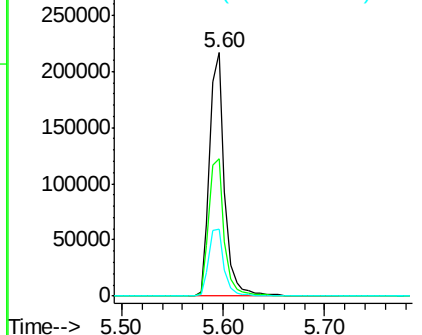


Abundance

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: 99.239 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107233.D

Acq: 9 Jul 2018 17:14

Instrument :

BNA_F

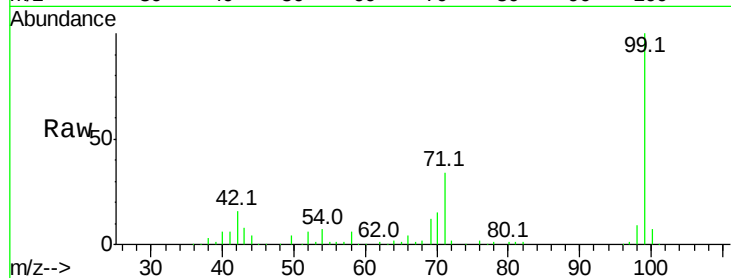
ClientSampleId :

SURCHARGE-SP-14RE

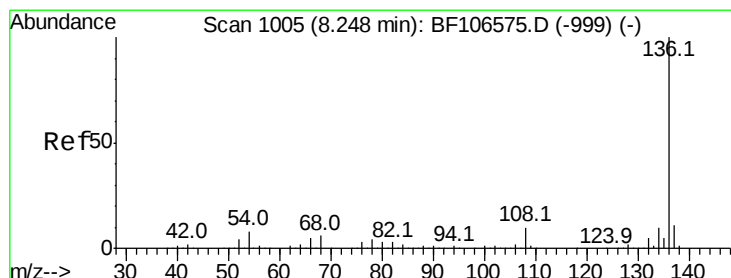
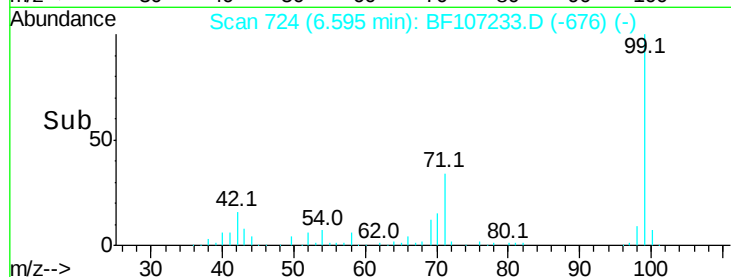
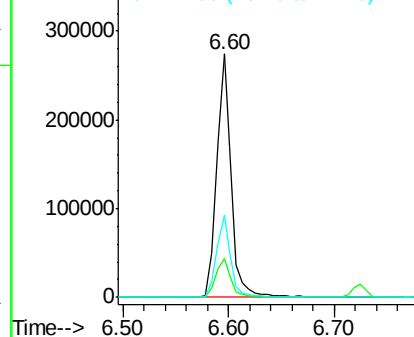
Tot Ion:	99	Resp:	267084
Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.5	21.7
71	33.9	25.4	38.0

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1002

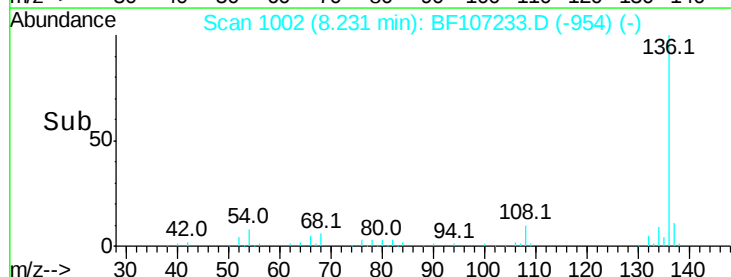
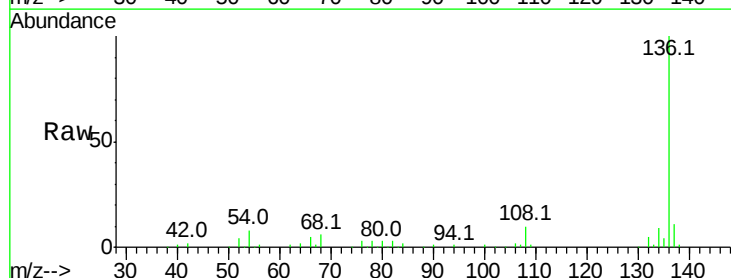
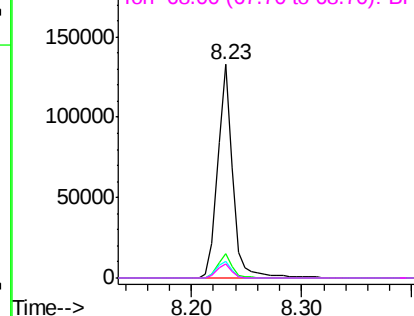
Delta R.T. -0.02 min

Lab File: BF107233.D

Acq: 9 Jul 2018 17:14

Tgt Ion:	136	Resp:	123921
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.9	6.6	9.8
68	6.4	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





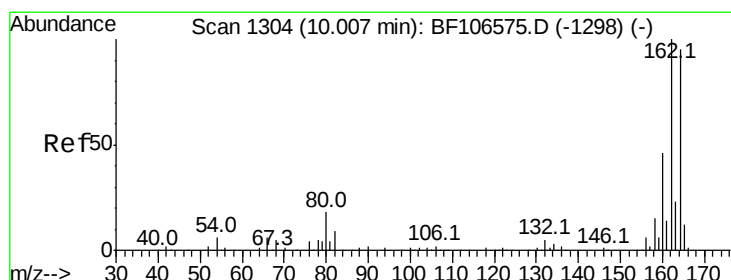
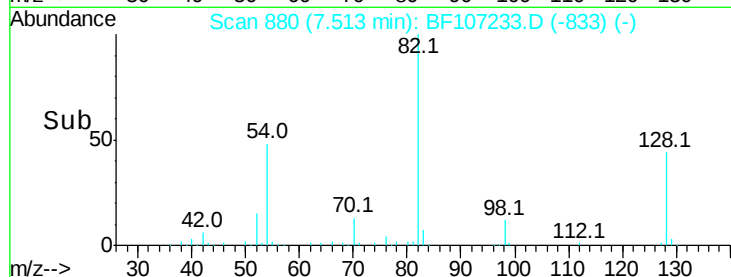
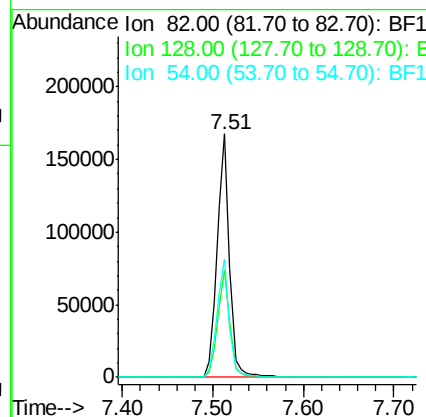
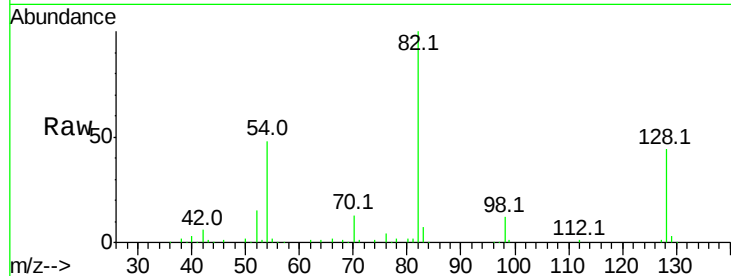
#23
 Nitrobenzene-d5
 Concen: 72.624 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107233.D
 Acq: 9 Jul 2018 17:14

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-14RE

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.1	54.1
54	48.3	41.4	62.2

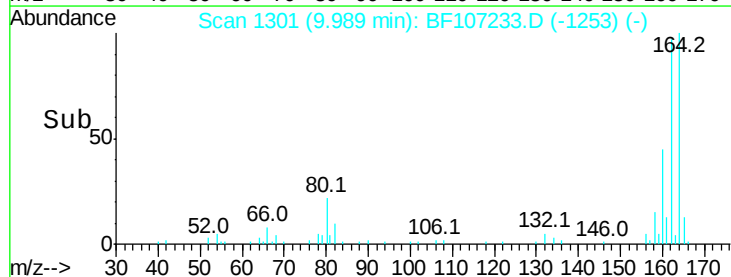
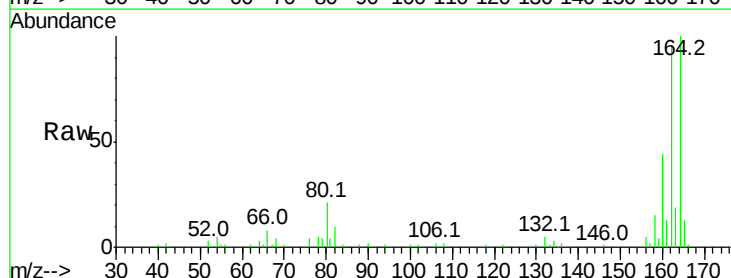
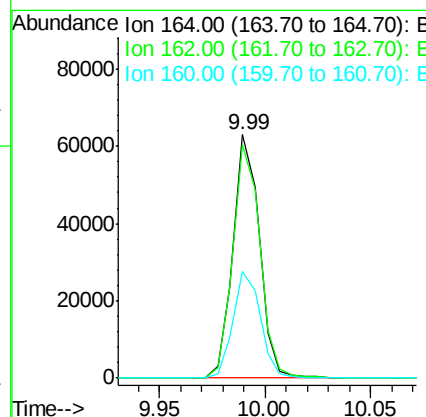
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107233.D
 Acq: 9 Jul 2018 17:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.8	86.1	129.1
160	43.9	38.3	57.5





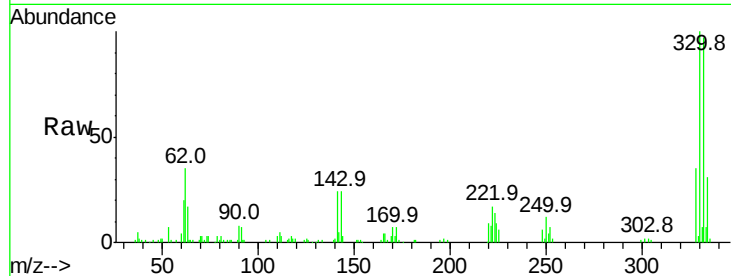
#41
 2,4,6-Tribromophenol
 Concen: 108.823 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107233.D
 Acq: 9 Jul 2018 17:14

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-14RE

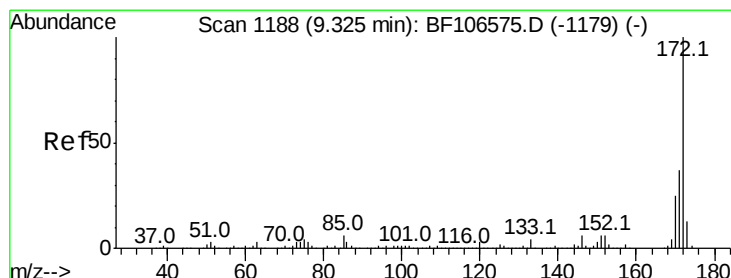
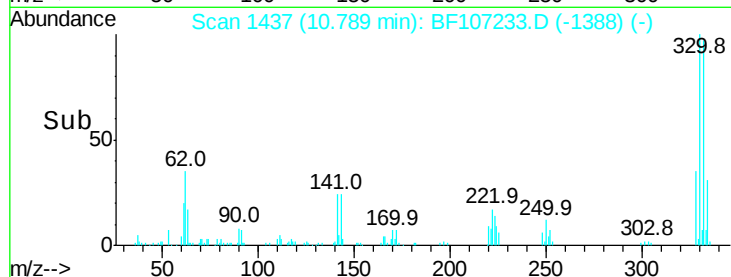
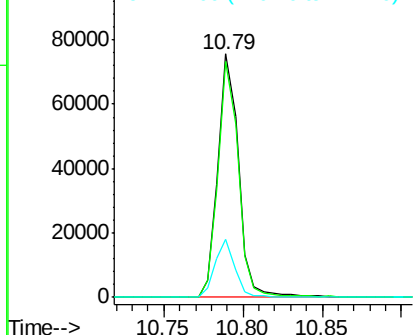
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	77.0	115.6	
141	23.1	29.9	44.9	

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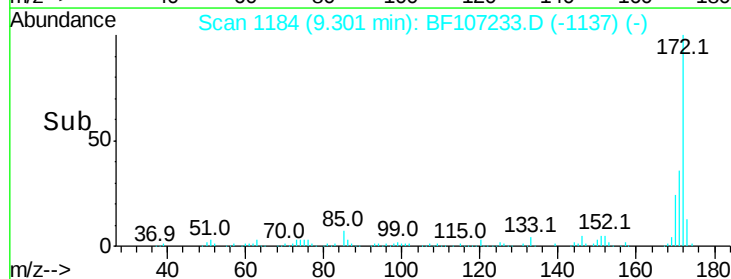
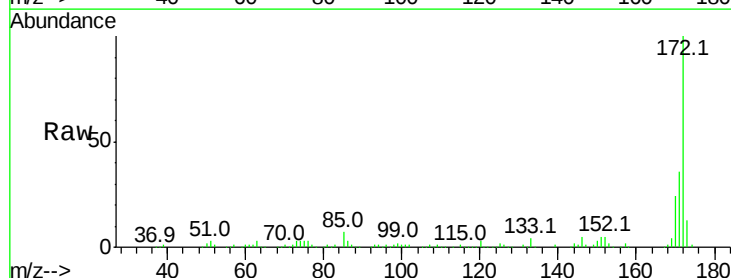
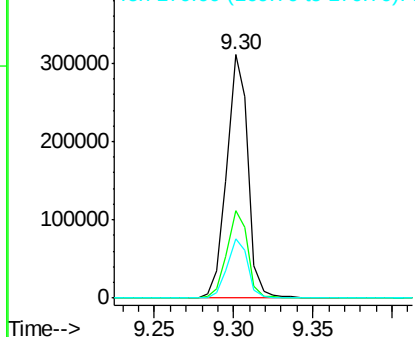
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 91.084 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107233.D
 Acq: 9 Jul 2018 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.0	29.7	44.5	
170	24.1	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: 14.323 ng

RT: 9.70 min Scan# 1251

Delta R.T. -0.03 min

Lab File: BF107233.D

Acq: 9 Jul 2018 17:14

Instrument :

BNA_F

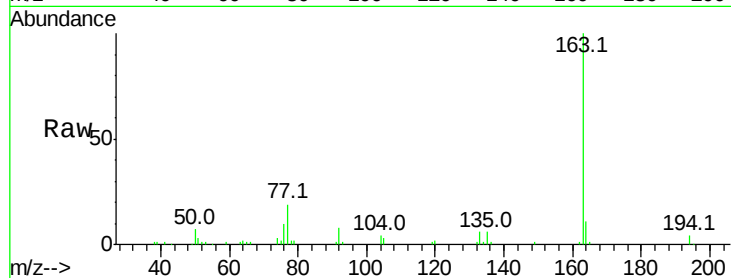
ClientSampleId :

SURCHARGE-SP-14RE

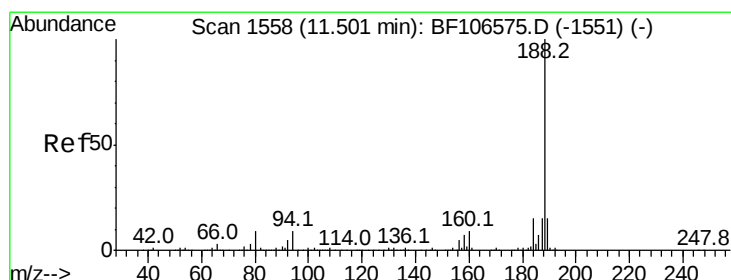
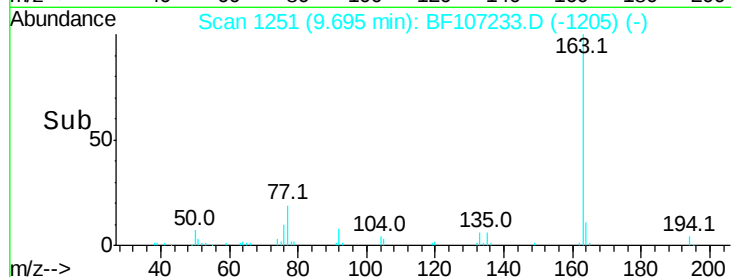
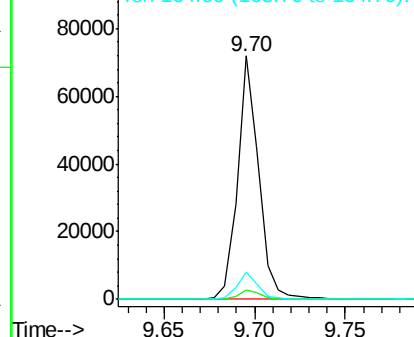
Tot Ion	163	Resp	58395
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	11.0	8.2	12.2

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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

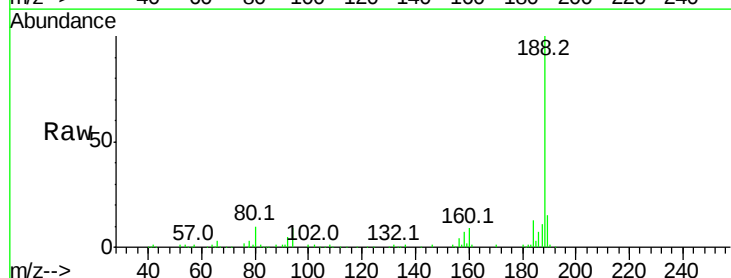
RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

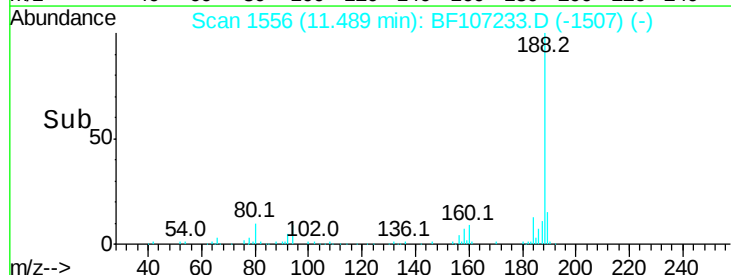
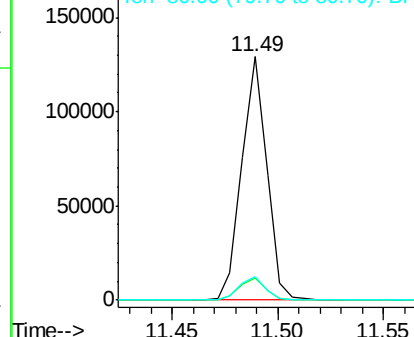
Lab File: BF107233.D

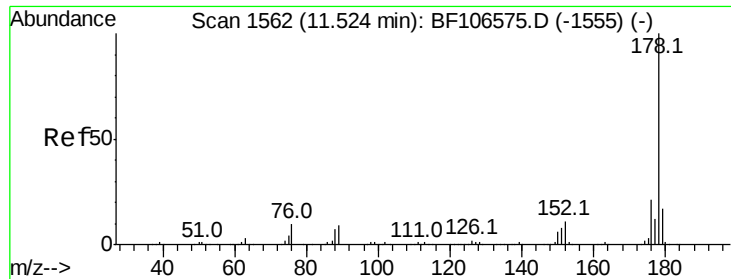
Acq: 9 Jul 2018 17:14

Tgt Ion	188	Resp	105226
Ion Ratio	Lower	Upper	
188	100		
94	8.9	8.5	12.7
80	9.5	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





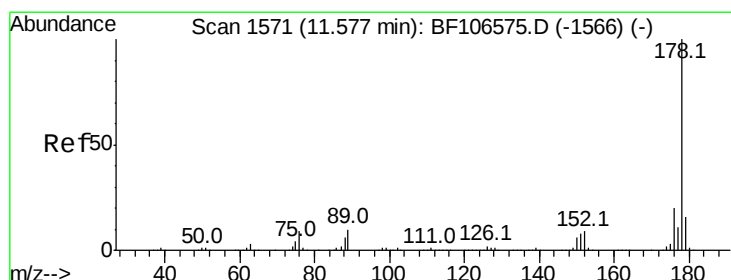
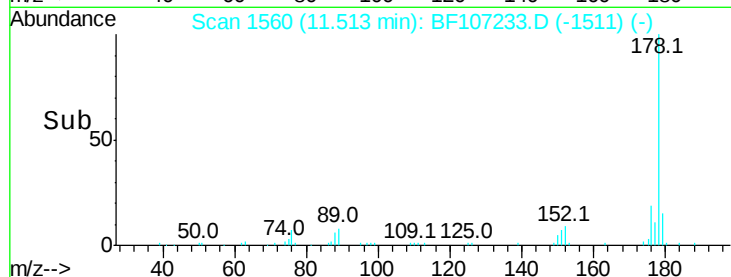
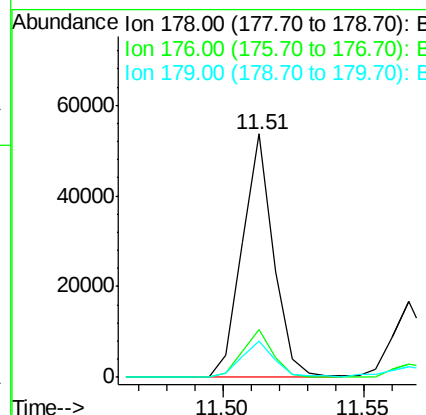
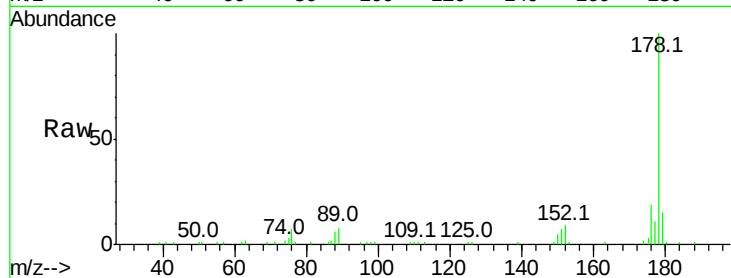
#70
Phenanthrene
Concen: 8.157 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107233.D
Acq: 9 Jul 2018 17:14

Instrument :
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SURCHARGE-SP-14RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	14.7	13.0	19.6

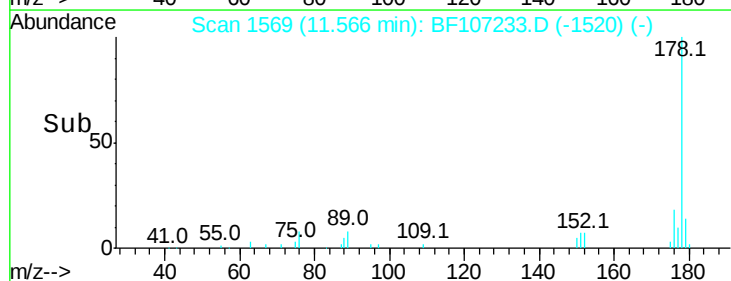
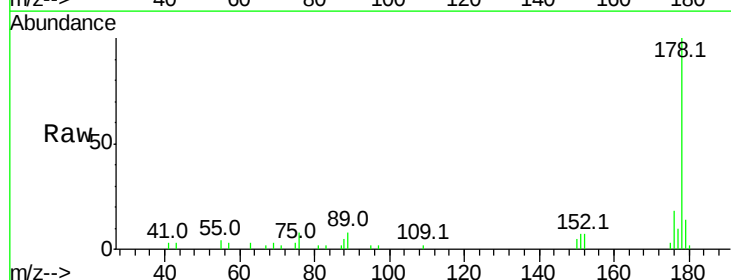
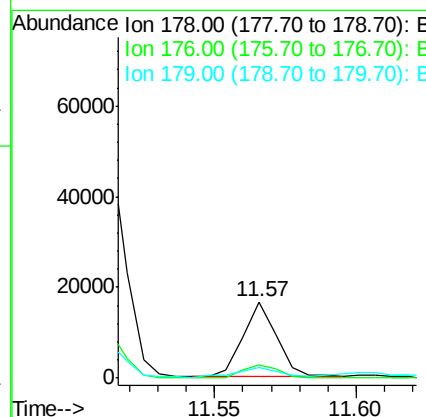
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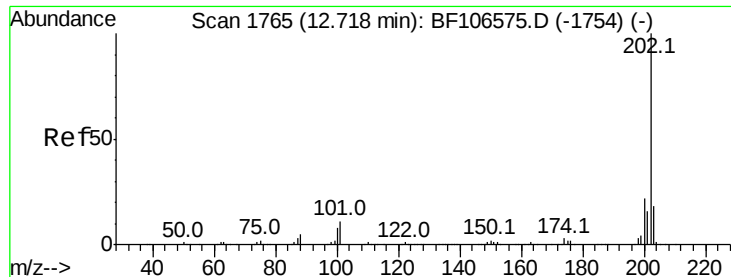
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#71
Anthracene
Concen: 2.648 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF107233.D
Acq: 9 Jul 2018 17:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	14.3	12.6	19.0





#74

Fluoranthene

Concen: 17.325 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107233.D

Acq: 9 Jul 2018 17:14

Instrument :

BNA_F

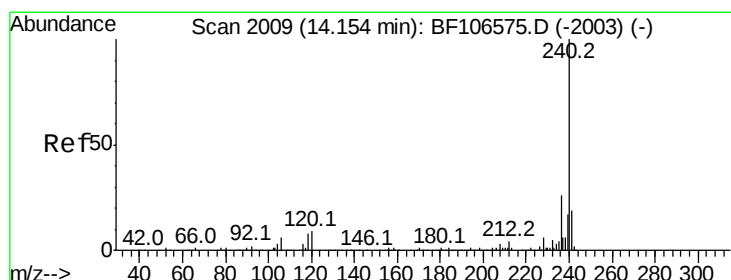
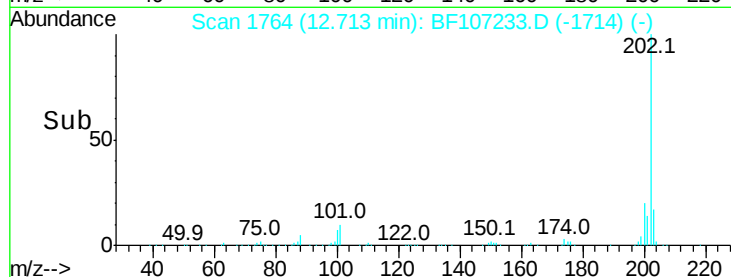
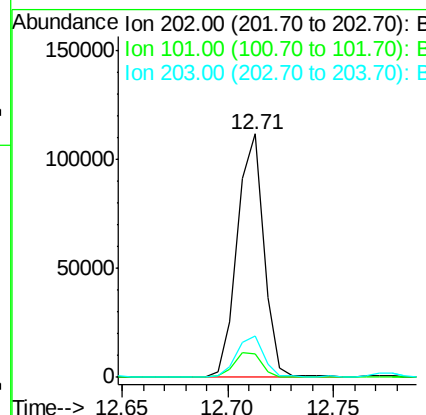
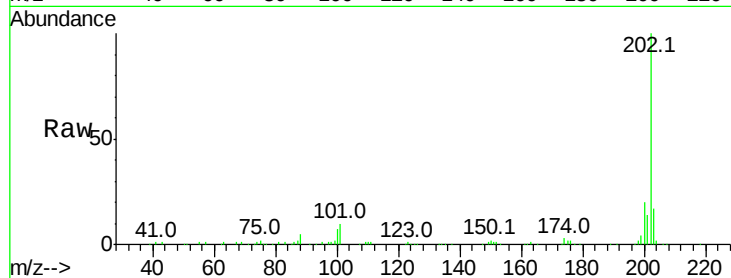
ClientSampleId :

SURCHARGE-SP-14RE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.8	0.0	34.1
203	17.1	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

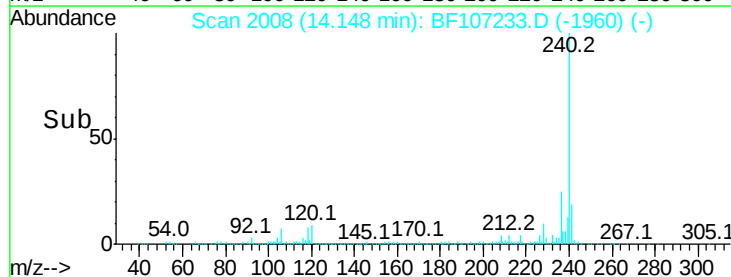
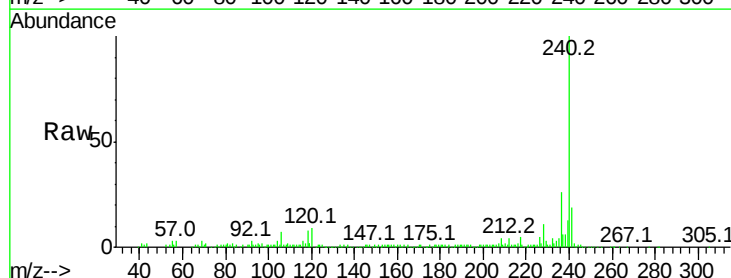
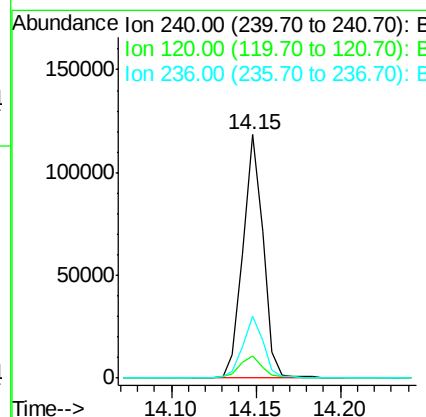
RT: 14.15 min Scan# 2008

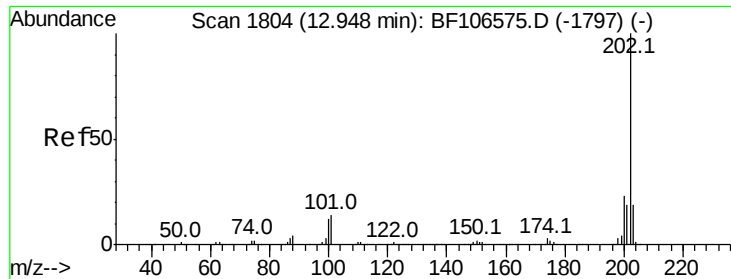
Delta R.T. -0.02 min

Lab File: BF107233.D

Acq: 9 Jul 2018 17:14

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.9	9.5	14.3#
236	25.5	20.7	31.1





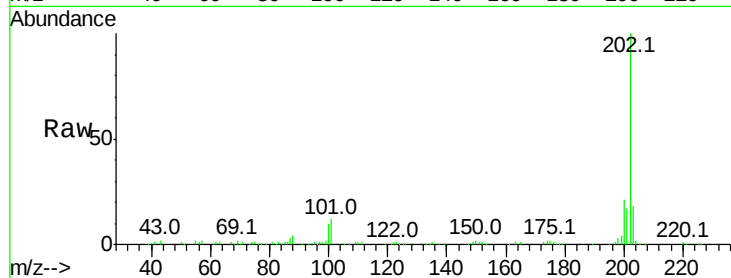
#77
Pvrene
Concen: 14.413 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF107233.D
Acq: 9 Jul 2018 17:14

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-14RE

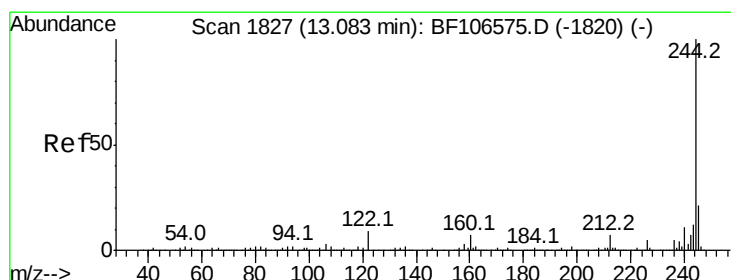
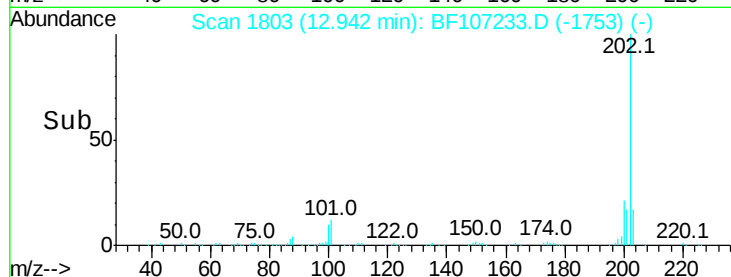
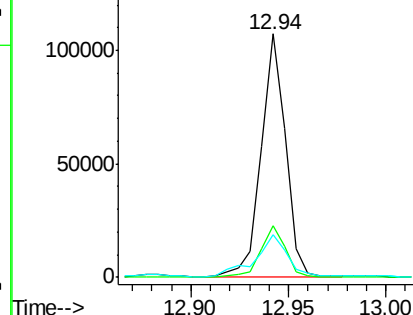
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.8	14.3	21.5

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7/10/2018 2:46:31 PM



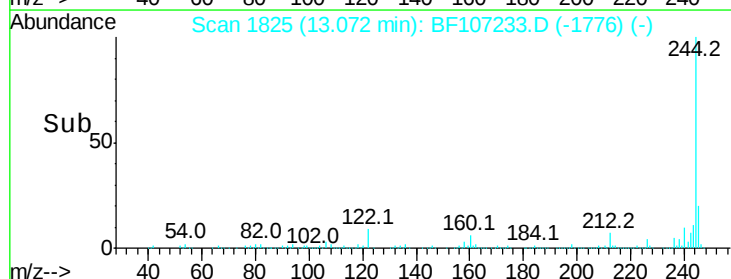
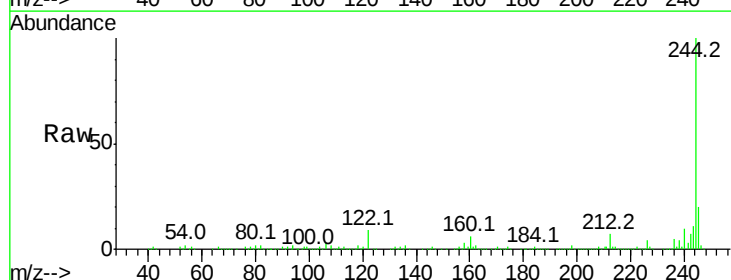
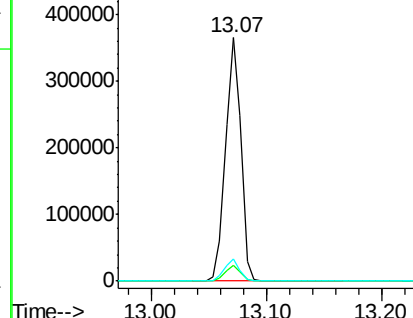
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

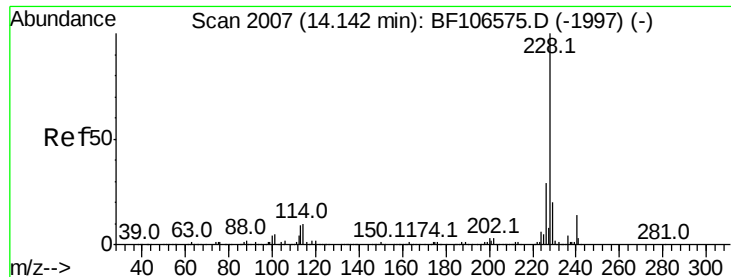


#78
Terphenyl-d14
Concen: 82.561 ng
RT: 13.07 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF107233.D
Acq: 9 Jul 2018 17:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.1	11.0	16.4#

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: 9.575 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF107233.D

Acq: 9 Jul 2018 17:14

Instrument :

BNA_F

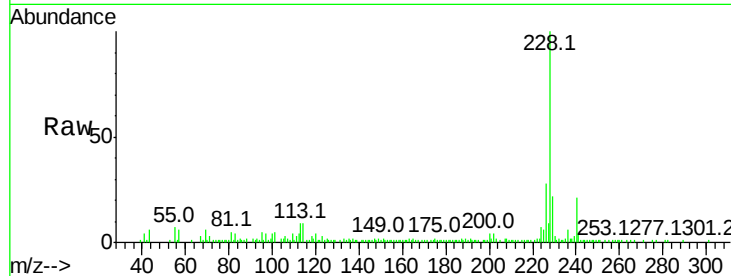
ClientSampleId :

SURCHARGE-SP-14RE

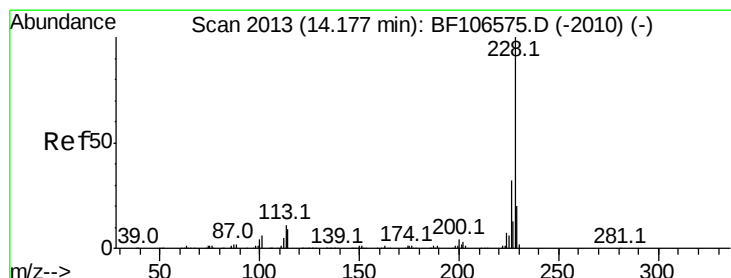
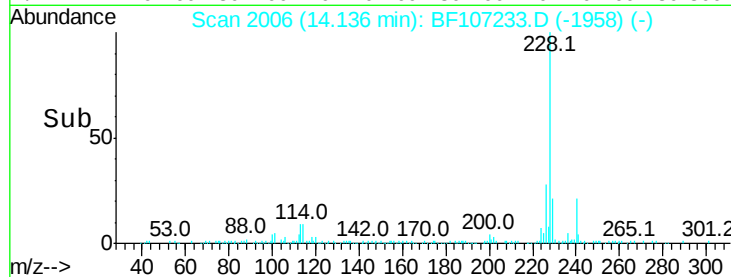
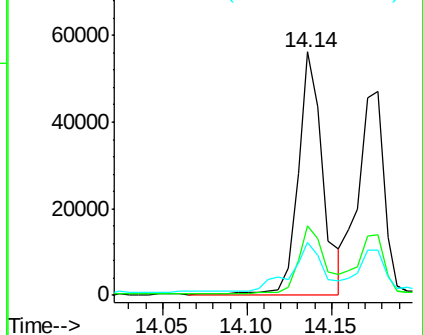
Tot Ion:	228	Resp:	57640
Ion Ratio	Lower	Upper	
228	100		
226	28.3	22.6	33.8
229	21.8	15.8	23.6

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7/10/2018 2:46:31 PM



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: 9.183 ng

RT: 14.18 min Scan# 2013

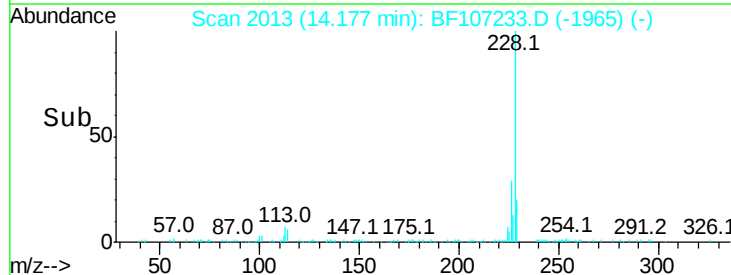
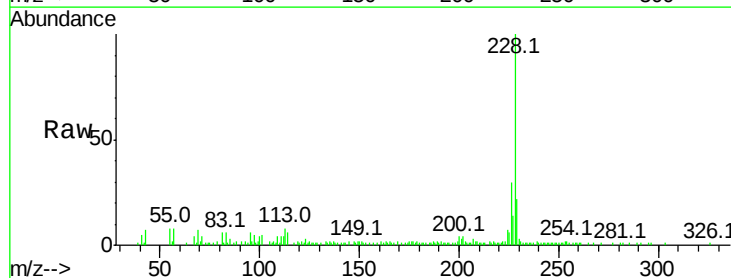
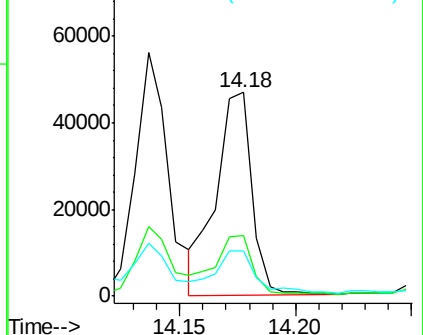
Delta R.T. -0.02 min

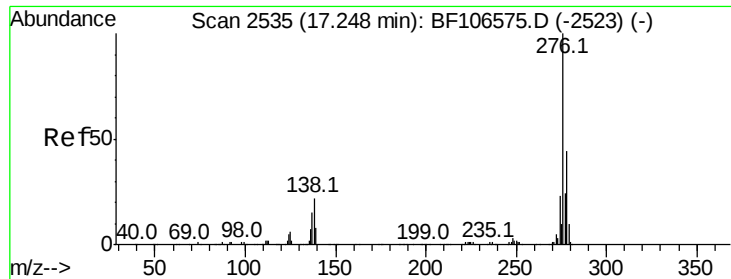
Lab File: BF107233.D

Acq: 9 Jul 2018 17:14

Tgt Ion:	228	Resp:	50859
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.0	37.6
229	22.1	16.2	24.4

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





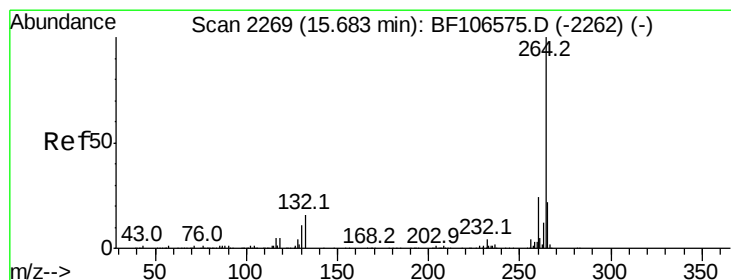
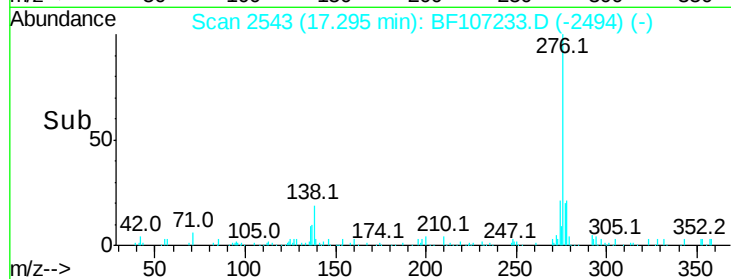
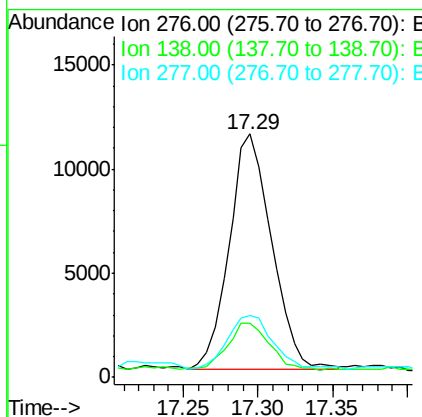
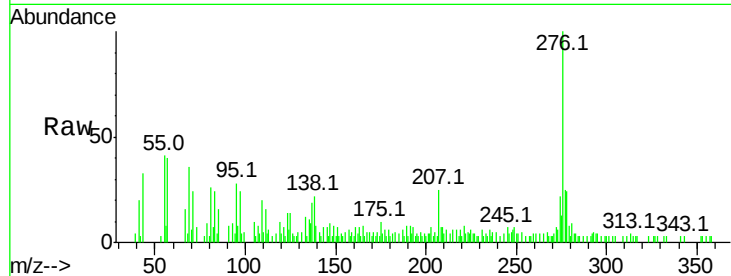
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.764 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.01 min
Lab File: BF107233.D
Acq: 9 Jul 2018 17:14

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-14RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	25.0	37.6#
277	24.2	20.1	30.1

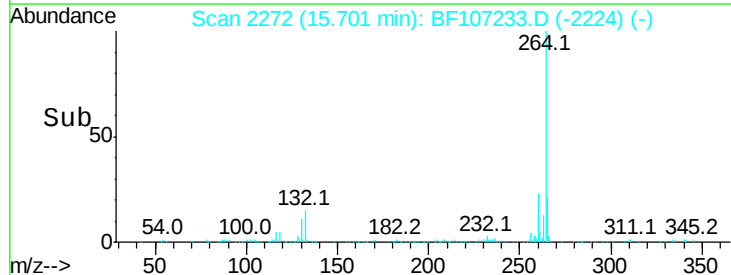
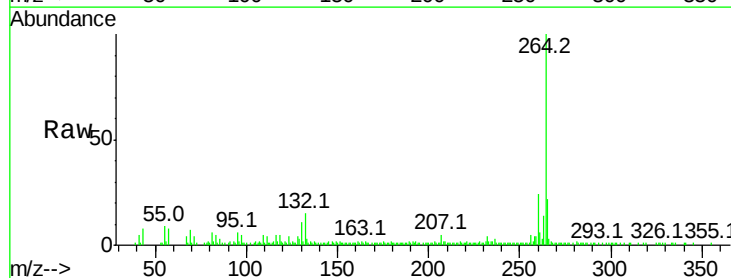
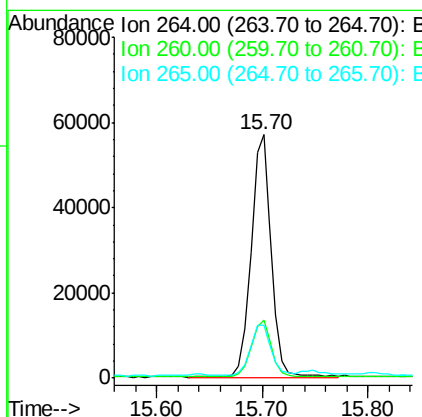
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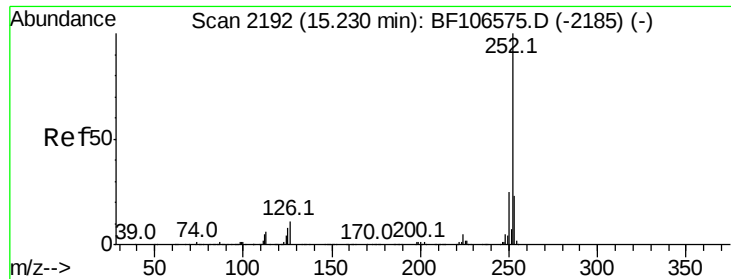
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7/10/2018 2:46:31 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF107233.D
Acq: 9 Jul 2018 17:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 12.122 ng m

RT: 15.24 min Scan# 2193

Delta R.T. -0.02 min

Lab File: BF107233.D

Acq: 9 Jul 2018 17:14

Instrument :

BNA_F

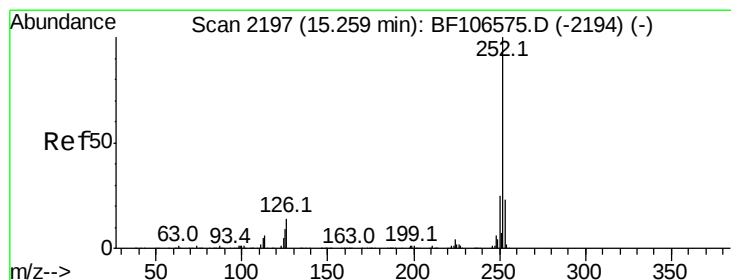
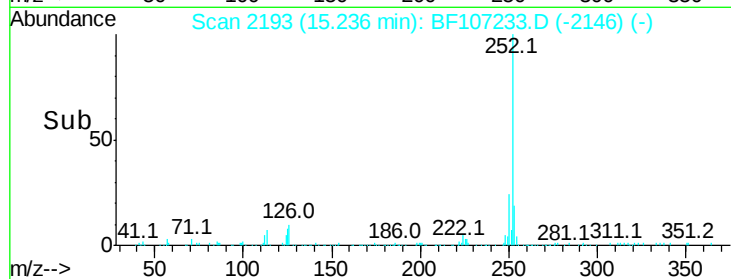
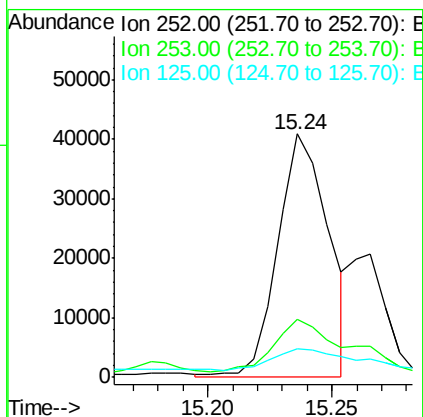
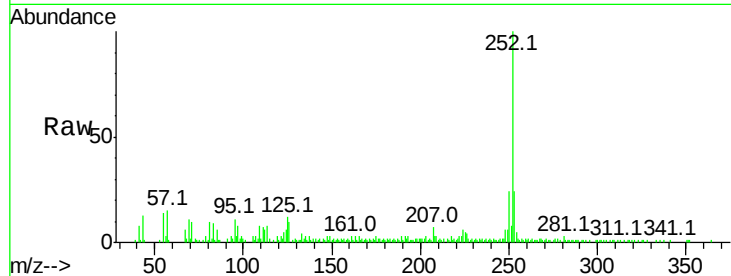
ClientSampleId :

SURCHARGE-SP-14RE

Tot Ion:252	Resp:	58254
Ion Ratio	Lower	Upper
252	100	
253	23.9	17.0 25.6
125	11.6	9.0 13.6

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7/10/2018 2:46:31 PM



#88

Benzo(k)fluoranthene

Concen: 4.633 ng m

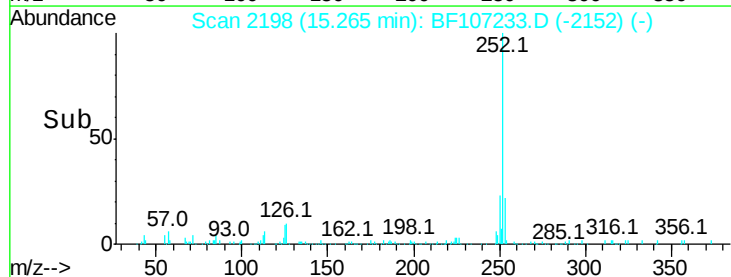
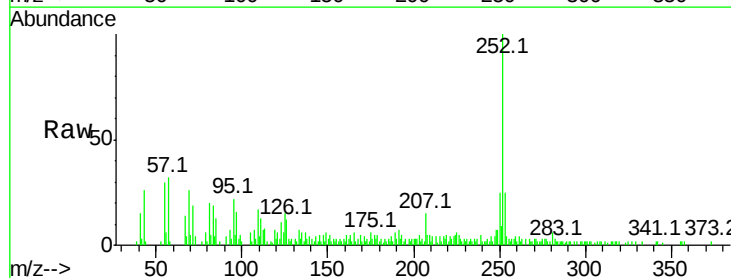
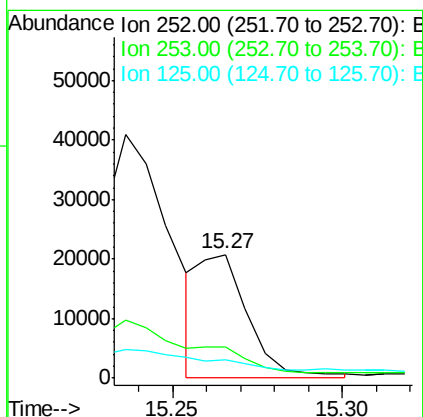
RT: 15.27 min Scan# 2198

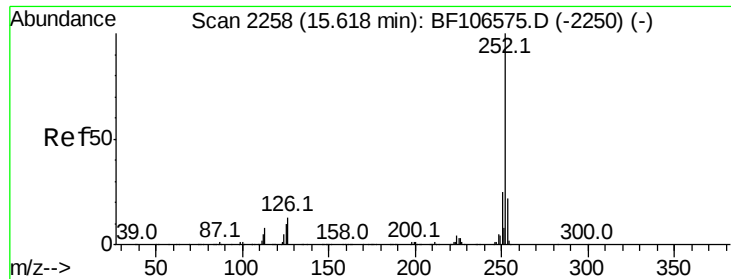
Delta R.T. -0.03 min

Lab File: BF107233.D

Acq: 9 Jul 2018 17:14

Tgt Ion:252	Resp:	21204
Ion Ratio	Lower	Upper
252	100	
253	25.0	17.9 26.9
125	15.1	10.2 15.2





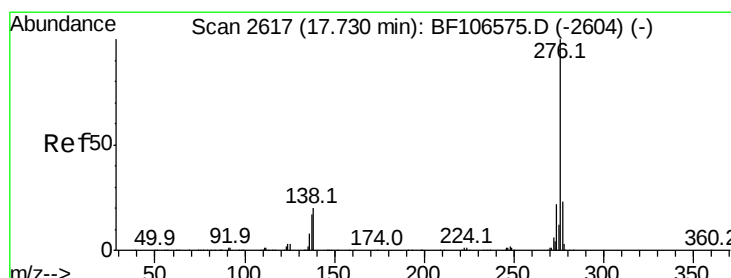
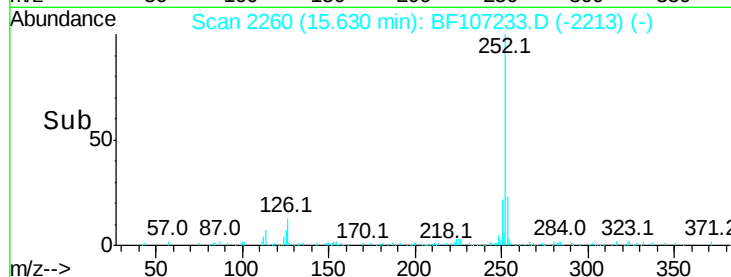
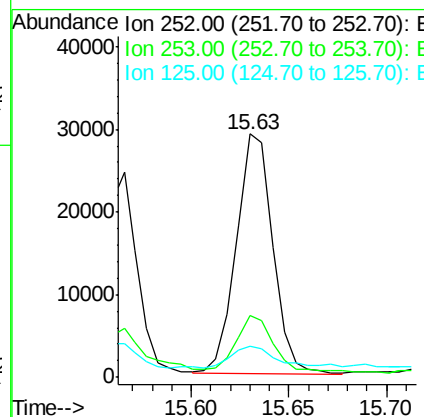
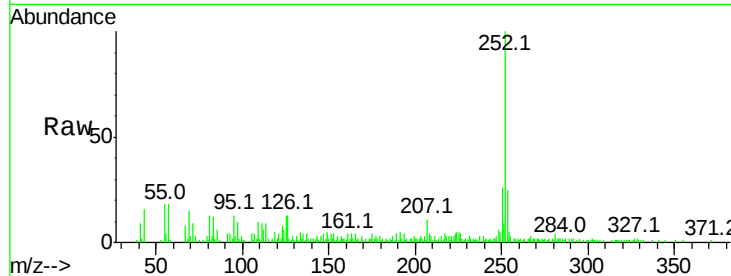
#89
Benzo(a)pyrene
Concen: 8.835 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF107233.D
Acq: 9 Jul 2018 17:14

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-14RE

Tot Ion:	252	Resp:	37746
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.1	25.7
125	12.7	9.8	14.6

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7/10/2018 2:46:31 PM



#91
Benzo(g,h,i)perylene
Concen: 6.876 ng
RT: 17.79 min Scan# 2627
Delta R.T. 0.00 min
Lab File: BF107233.D
Acq: 9 Jul 2018 17:14

Tgt Ion:	276	Resp:	24335
Ion Ratio	Lower	Upper	
276	100		
277	25.5	17.9	26.9
138	21.6	21.8	32.8#

