

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
 Data File : BF107203.D
 Acq On : 7 Jul 2018 13:49
 Operator : JU/SJ
 Sample : J3881-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-21

Manual Integrations
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Quant Time: Jul 09 03:55:45 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	57210	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	216076	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	100035	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	167380	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	164015	20.00	ng	-0.03
86) Perylene-d12	15.68	264	153629	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	325400	96.31	ng	-0.01
7) Phenol-d6	6.59	99	397471	94.21	ng	-0.02
23) Nitrobenzene-d5	7.51	82	254375	65.42	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	103816	89.54	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	468345	78.04	ng	-0.02
78) Terphenyl-d14	13.06	244	453978	67.05	ng	-0.02
Target Compounds						
31) Naphthalene	8.25	128	20536	2.033	ng	Qvalue 97
49) Dimethylphthalate	9.70	163	68905	9.184	ng	99
51) Acenaphthene	10.02	154	15437	2.474	ng	98
57) Fluorene	10.54	166	15637	2.307	ng	96
70) Phenanthrene	11.51	178	120962	14.983	ng	98
71) Anthracene	11.56	178	35627	4.324	ng	98
74) Fluoranthene	12.70	202	258243	29.022	ng	94
77) Pyrene	12.93	202	249431	23.062	ng	99
80) Benzo(a)anthracene	14.12	228	158902	15.896	ng	98
82) Chrysene	14.16	228	139318	15.149	ng	98
85) Indeno(1,2,3-cd)pyrene	17.26	276	64717	8.292	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	182886m	19.164	ng	
88) Benzo(k)fluoranthene	15.25	252	63314m	6.967	ng	
89) Benzo(a)pyrene	15.61	252	124944	14.727	ng	97
90) Dibenzo(a,h)anthracene	17.27	278	18002	2.504	ng	# 88
91) Benzo(g,h,i)perylene	17.75	276	62495	8.893	ng	# 89

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

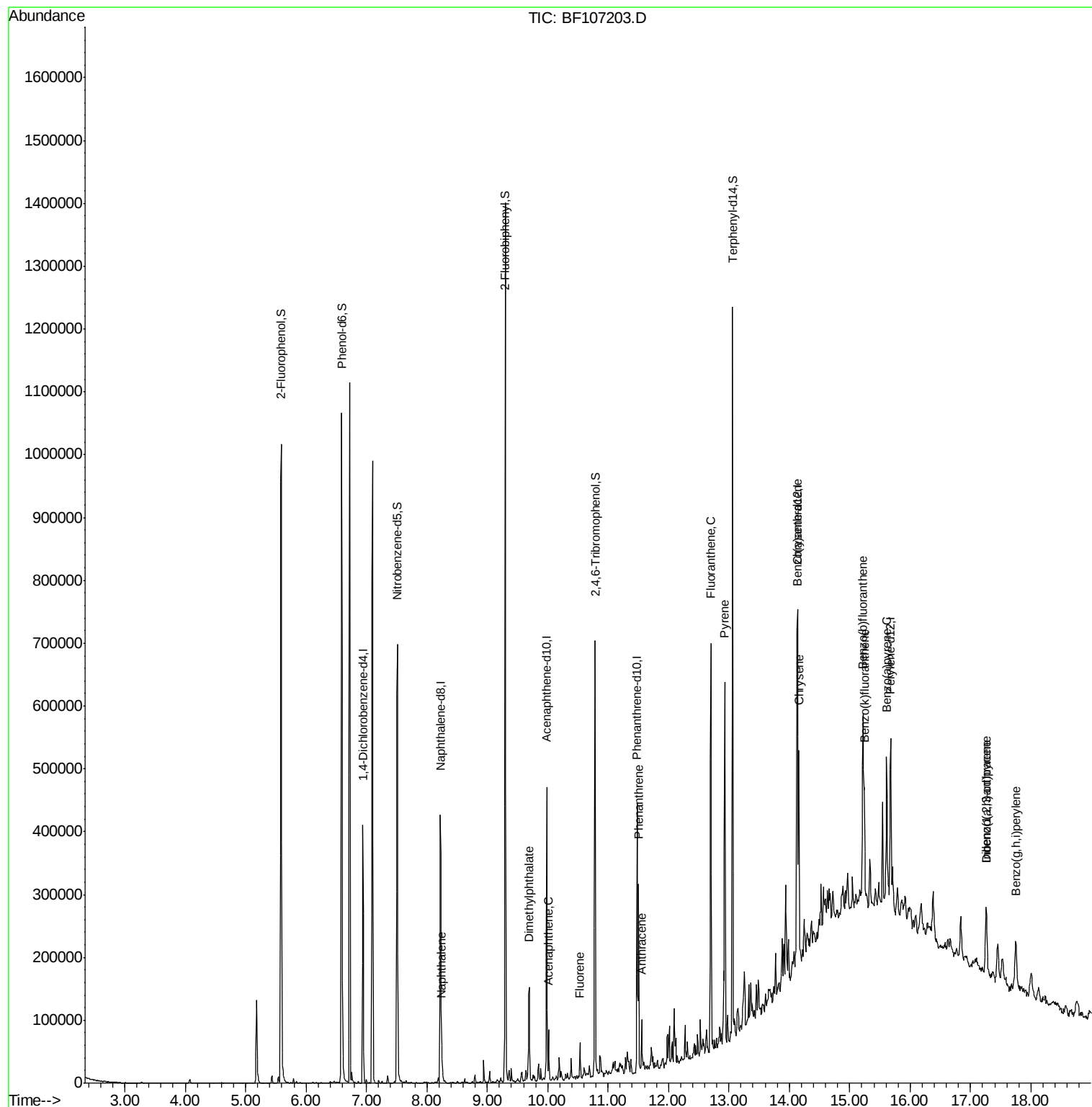
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
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#1

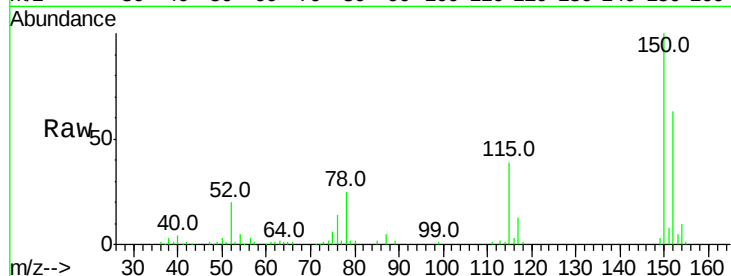
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107203.D
Acq: 7 Jul 2018 13:49

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-21

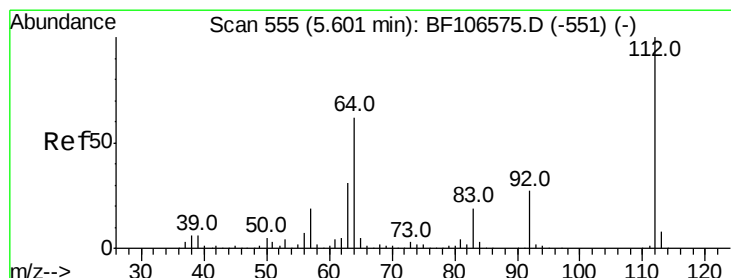
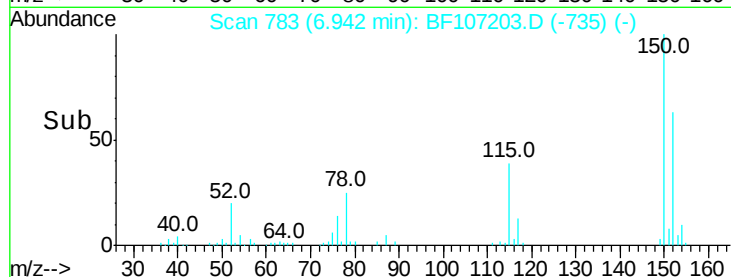
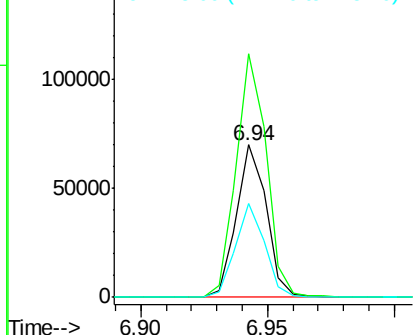
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.6	186.8
115	61.9	50.1	75.1

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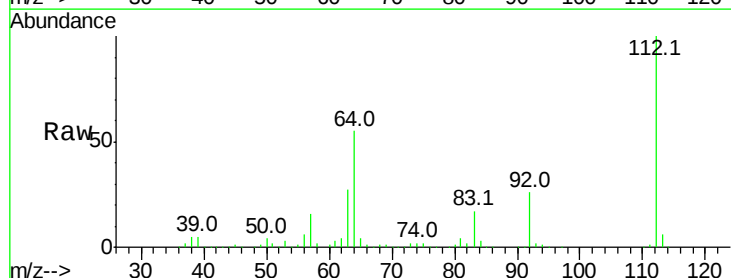
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



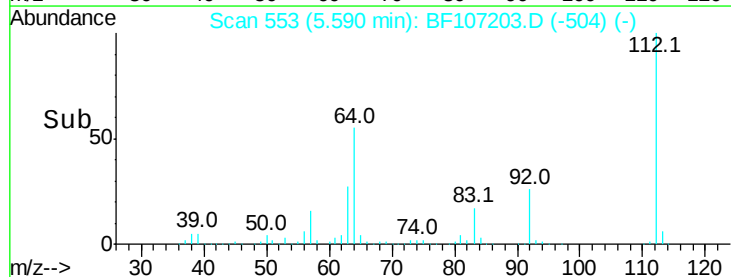
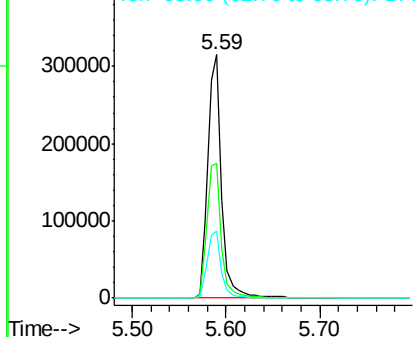
#5

2-Fluorophenol
Concen: 96.313 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107203.D
Acq: 7 Jul 2018 13:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.9	71.9
63	27.3	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: 94.206 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107203.D

Acq: 7 Jul 2018 13:49

Instrument :

BNA_F

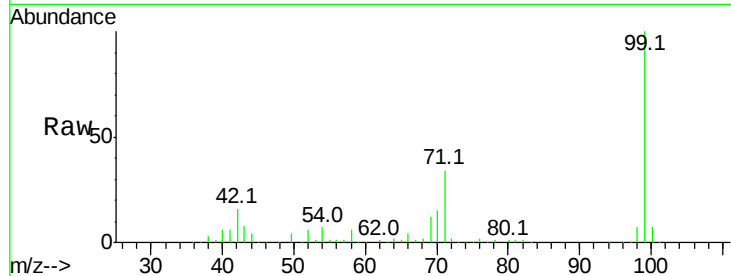
ClientSampleId :

SURCHARGE-SP-21

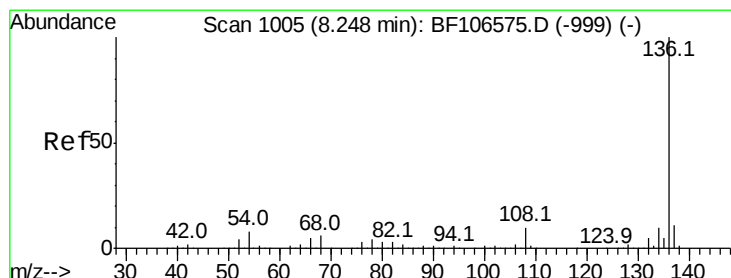
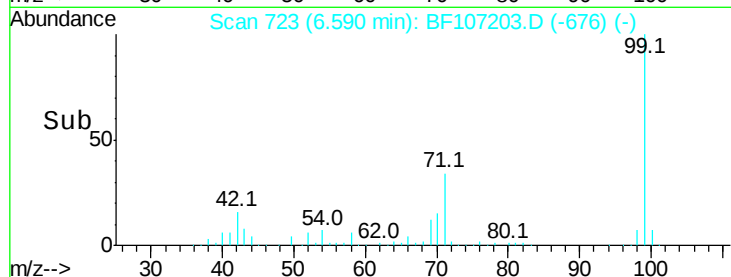
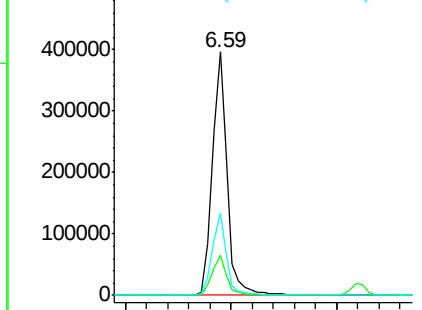
Tot Ion:	99	Resp:	397471
Ion Ratio	Lower	Upper	
99	100		
42	16.3	14.5	21.7
71	33.9	25.4	38.0

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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: 8.22 min Scan# 1001

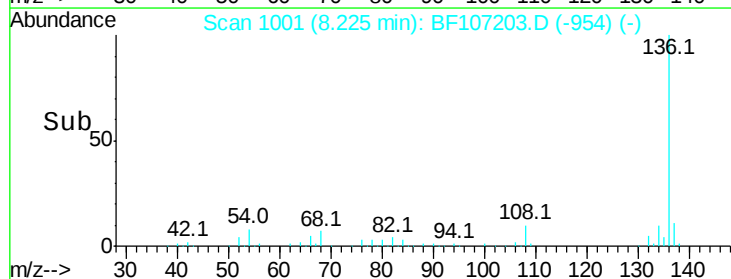
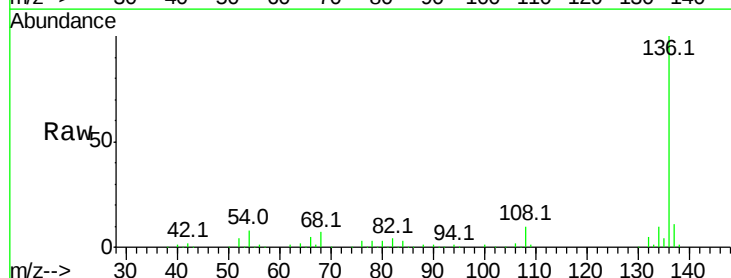
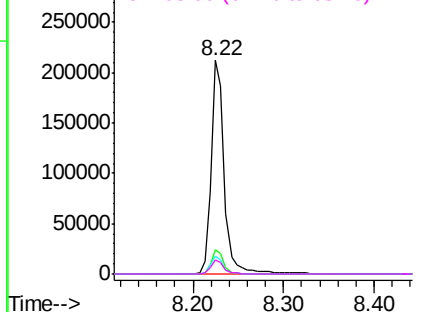
Delta R.T. -0.02 min

Lab File: BF107203.D

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Tgt Ion:	136	Resp:	216076
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.4	6.6	9.8
68	6.7	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





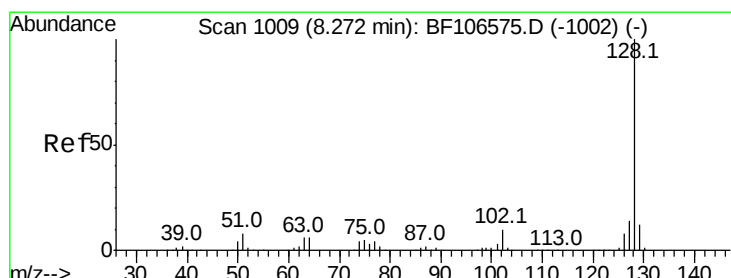
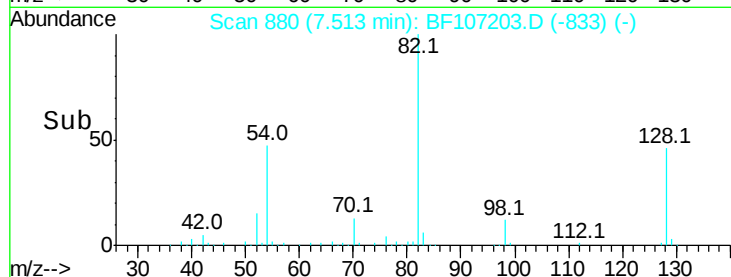
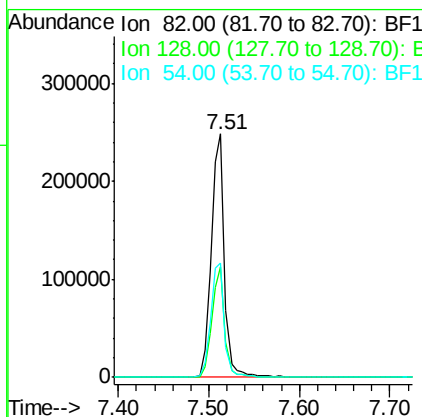
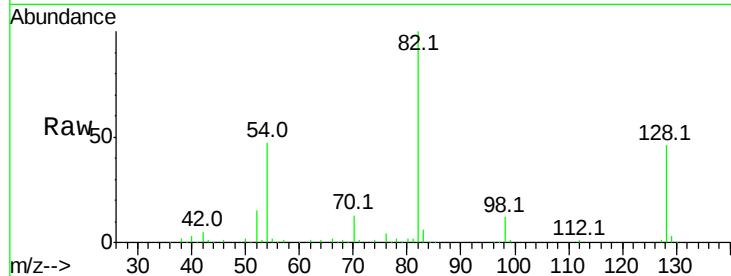
#23
 Nitrobenzene-d5
 Concen: 65.424 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107203.D
 Acq: 7 Jul 2018 13:49

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-21

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.1	54.1
54	47.2	41.4	62.2

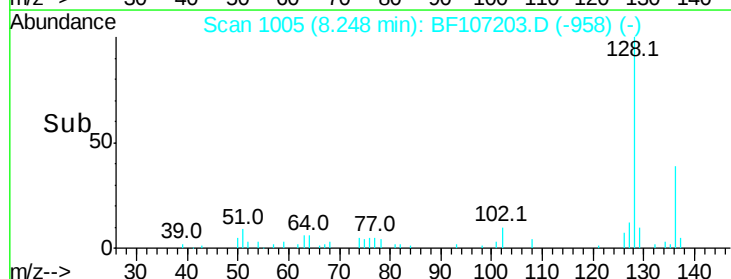
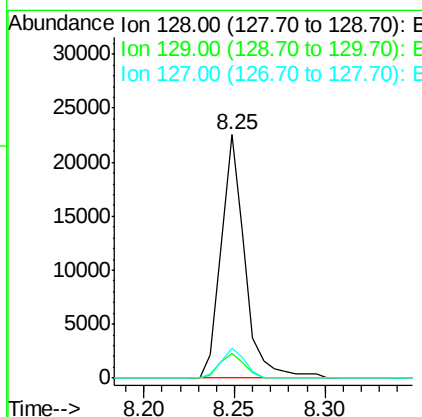
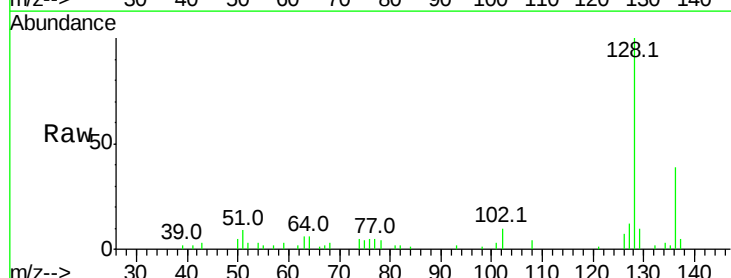
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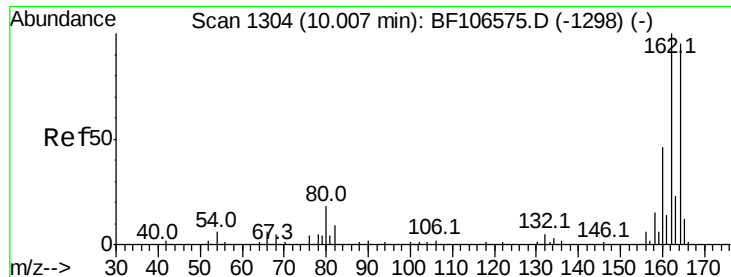
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#31
 Naphthalene
 Concen: 2.033 ng
 RT: 8.25 min Scan# 1005
 Delta R.T. -0.02 min
 Lab File: BF107203.D
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.8	13.2
127	12.3	10.9	16.3





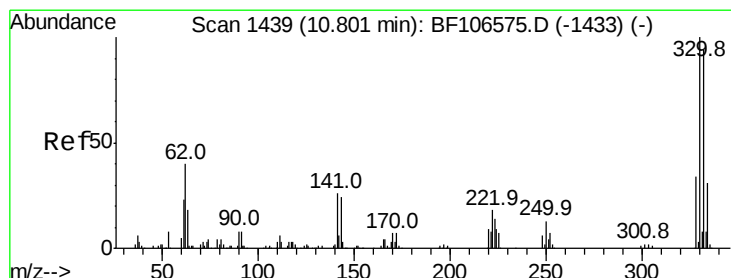
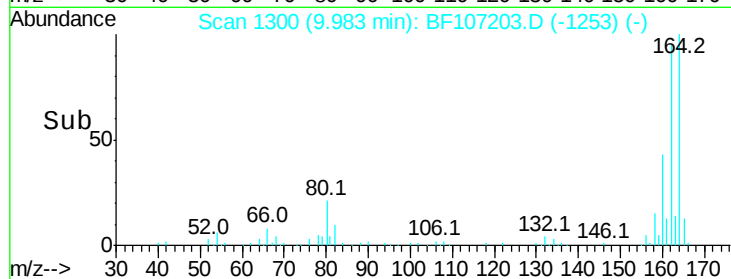
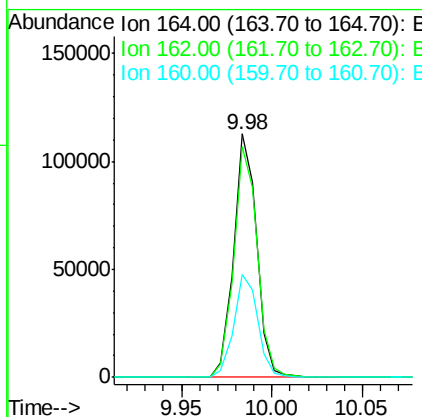
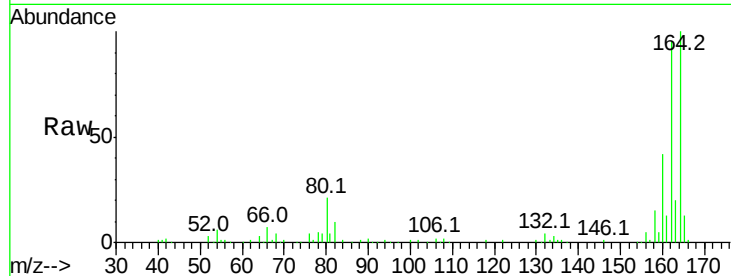
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF107203.D
Acq: 7 Jul 2018 13:49

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-21

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	94.6	86.1	129.1	
160	42.3	38.3	57.5	

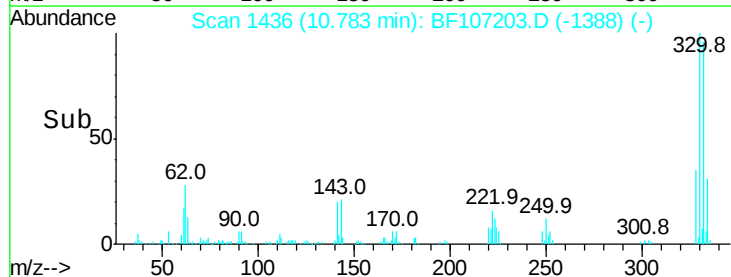
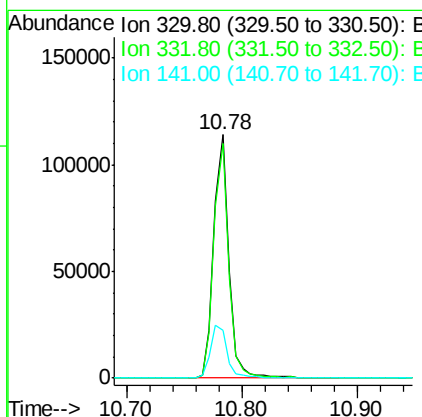
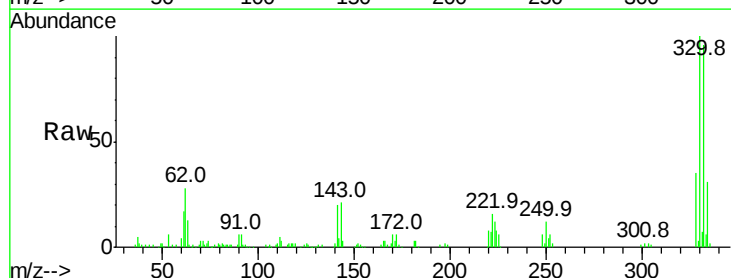
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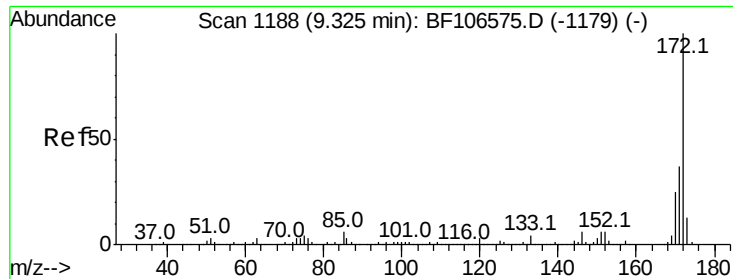
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#41
2,4,6-Tribromophenol
Concen: 89.540 ng
RT: 10.78 min Scan# 1436
Delta R.T. -0.02 min
Lab File: BF107203.D
Acq: 7 Jul 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.8	77.0	115.6	
141	24.0	29.9	44.9#	





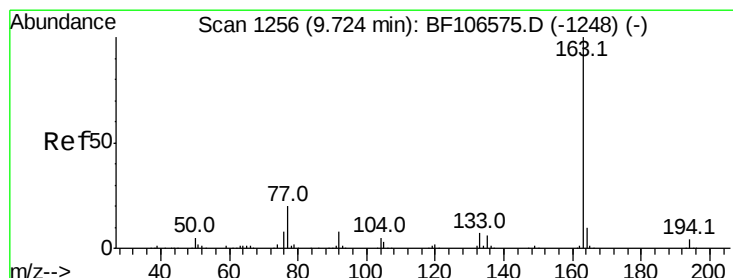
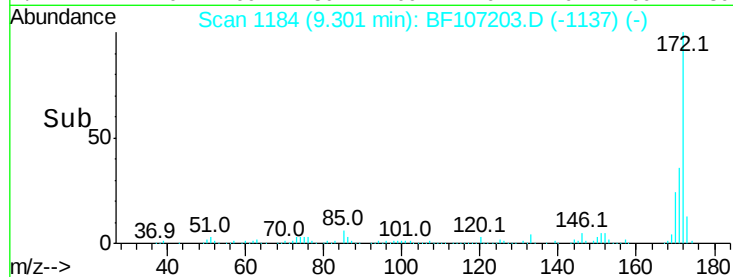
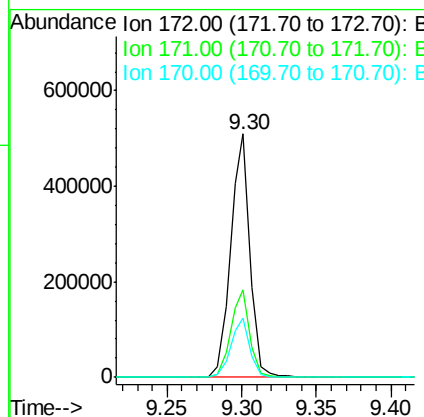
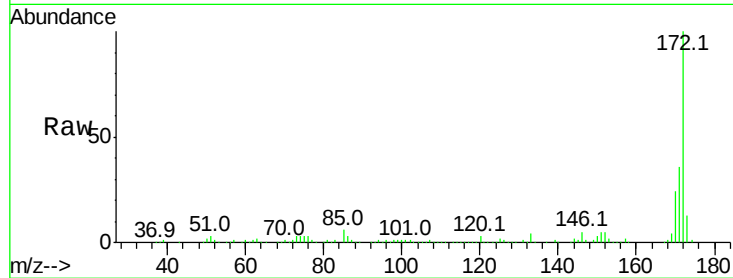
#44
 2-Fluorobiphenyl
 Concen: 78.037 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107203.D
 Acq: 7 Jul 2018 13:49

Instrument :
 BNA_F
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Tot Ion:	172	Resp:	468345
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.7	44.5
170	24.4	19.6	29.4

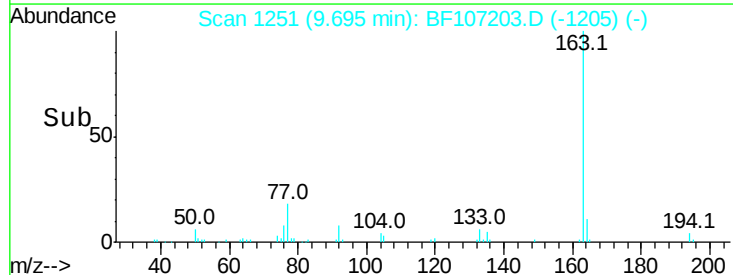
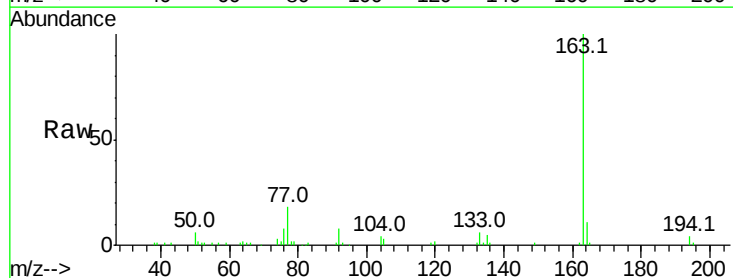
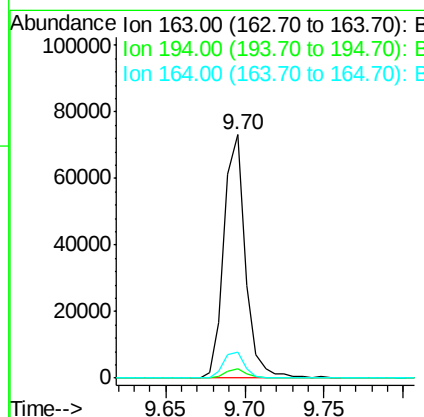
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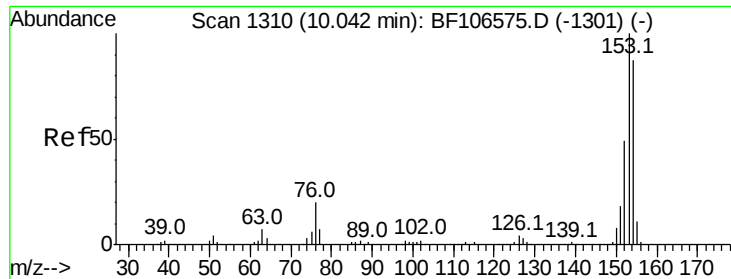
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#49
 Dimethylphthalate
 Concen: 9.184 ng
 RT: 9.70 min Scan# 1251
 Delta R.T. -0.03 min
 Lab File: BF107203.D
 Acq: 7 Jul 2018 13:49

Tgt Ion:	163	Resp:	68905
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	10.8	8.2	12.2





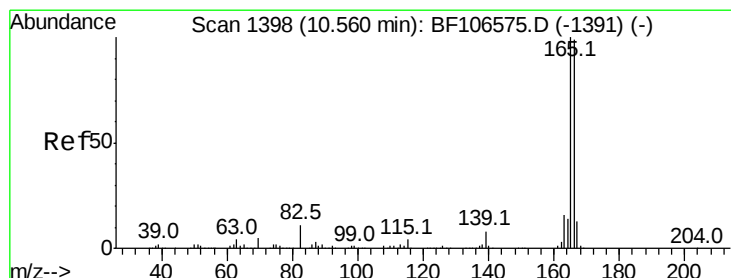
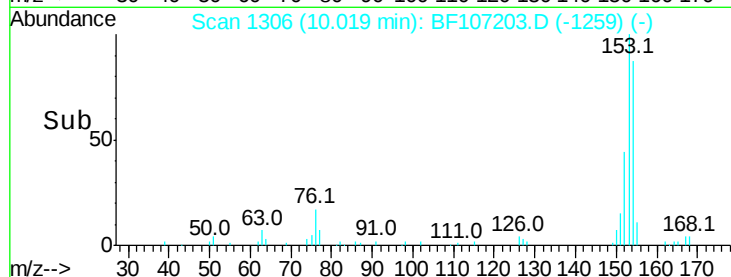
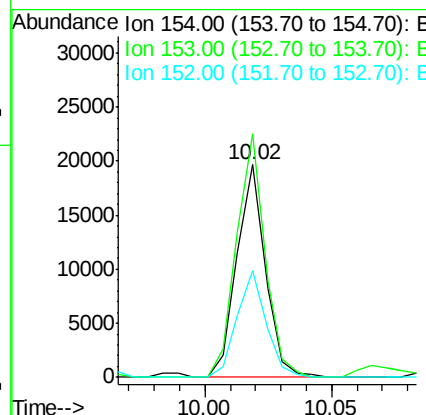
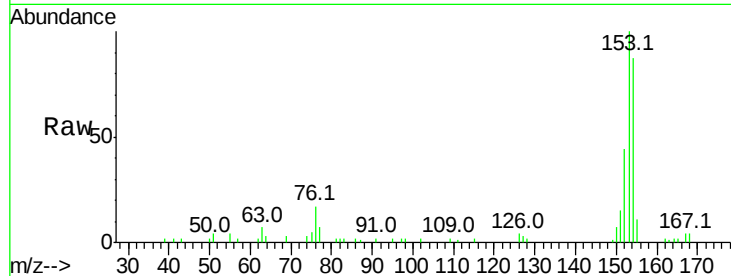
#51
Acenaphthene
Concen: 2.474 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF107203.D
Acq: 7 Jul 2018 13:49

Instrument :
BNA_F
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SURCHARGE-SP-21

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.2	136.8
152	50.2	43.8	65.8

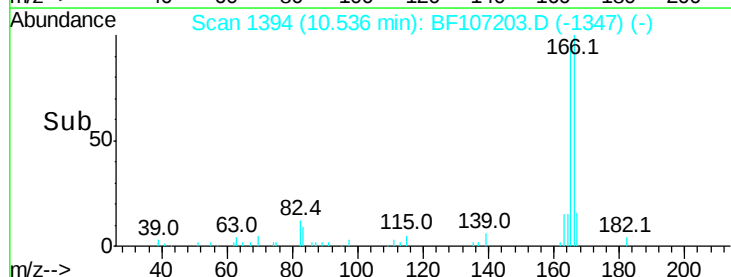
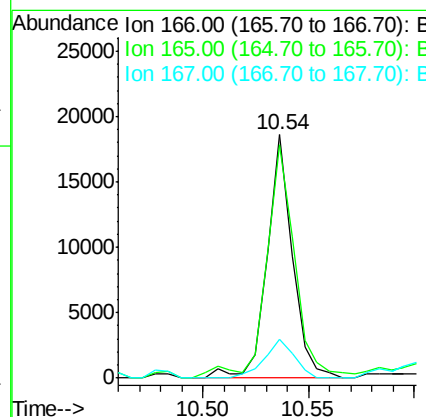
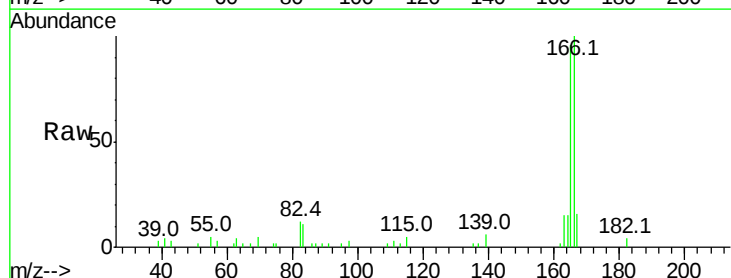
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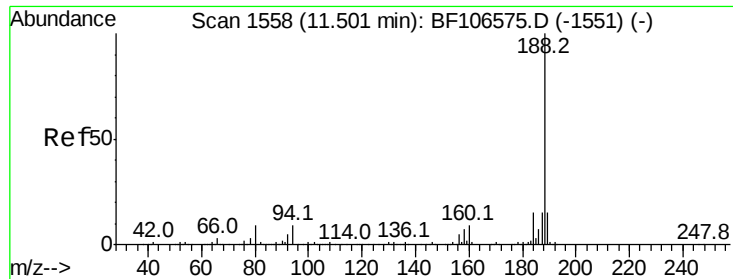
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#57
Fluorene
Concen: 2.307 ng
RT: 10.54 min Scan# 1394
Delta R.T. -0.02 min
Lab File: BF107203.D
Acq: 7 Jul 2018 13:49

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.6	79.8	119.8
167	15.7	10.6	16.0





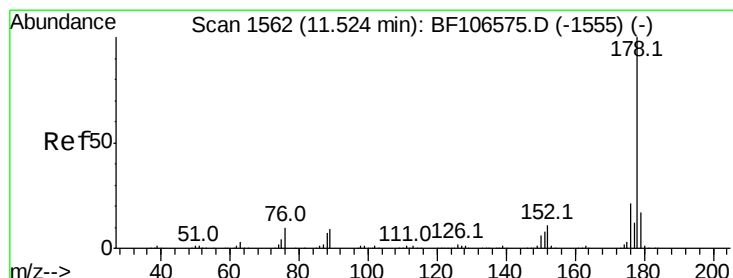
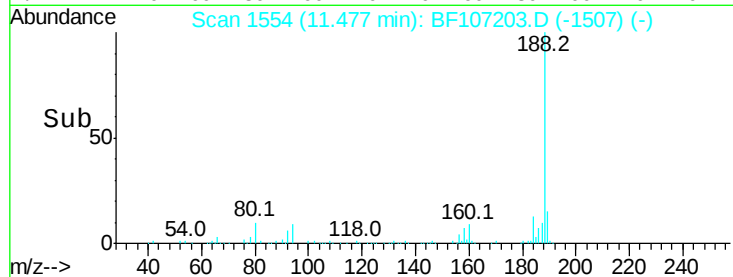
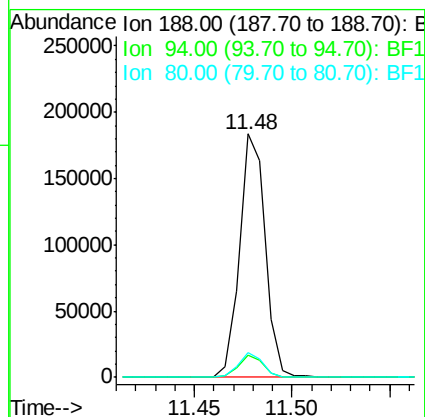
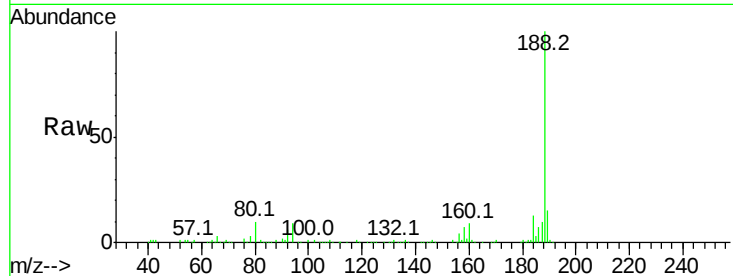
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF107203.D
Acq: 7 Jul 2018 13:49

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-21

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.0	8.5	12.7
80	10.1	9.2	13.8

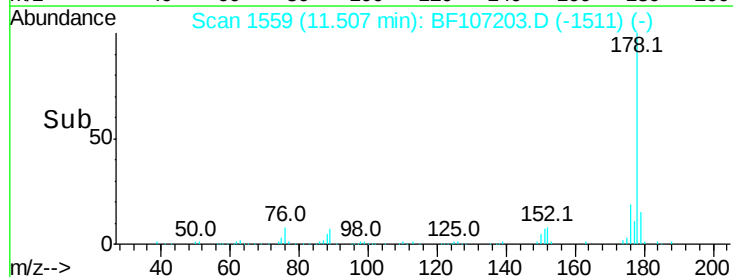
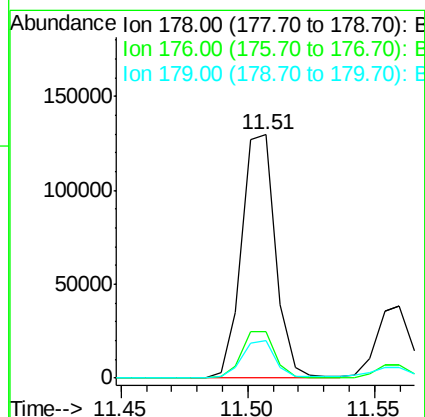
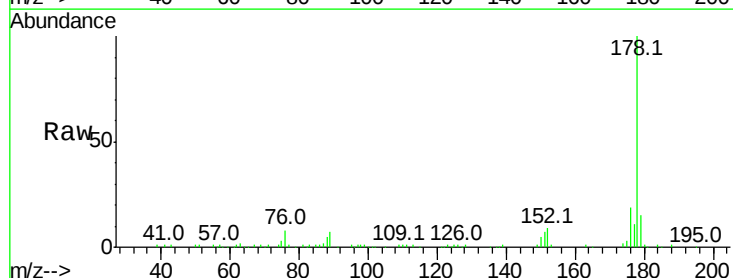
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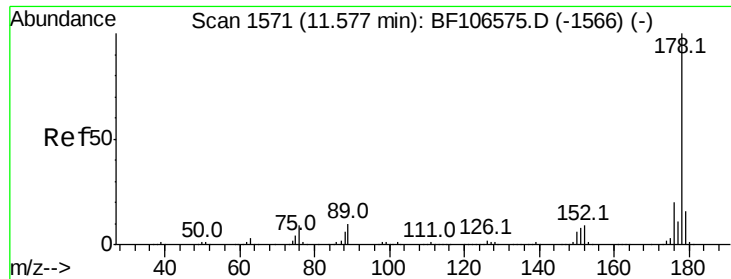
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7/9/2018 2:06:17 PM



#70
Phenanthrene
Concen: 14.983 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107203.D
Acq: 7 Jul 2018 13:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	15.8	23.8
179	15.4	13.0	19.6





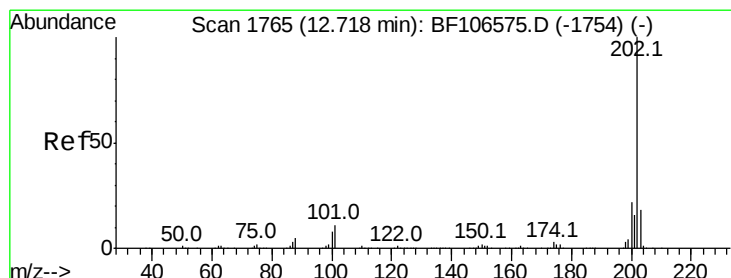
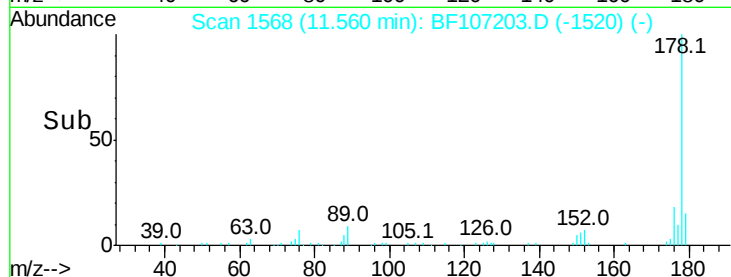
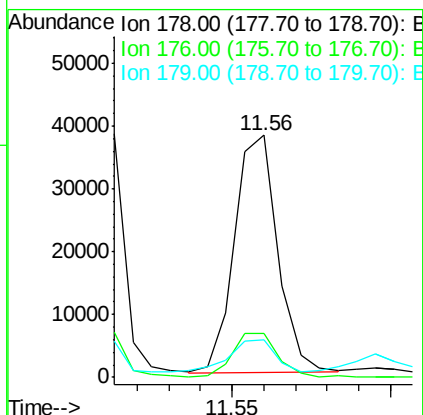
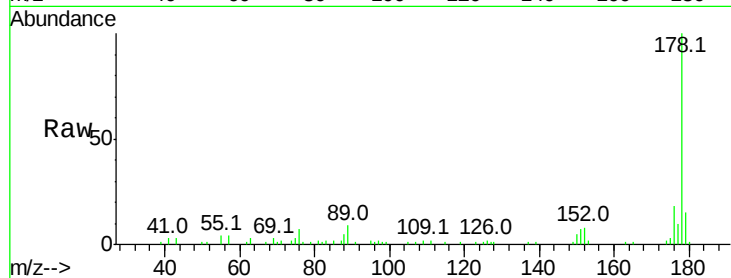
#71
 Anthracene
 Concen: 4.324 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF107203.D
 Acq: 7 Jul 2018 13:49

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-21

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.4	12.6	19.0

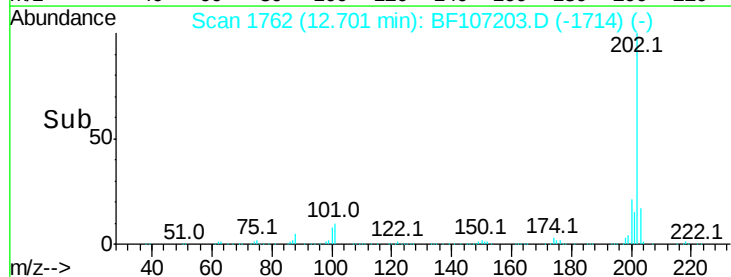
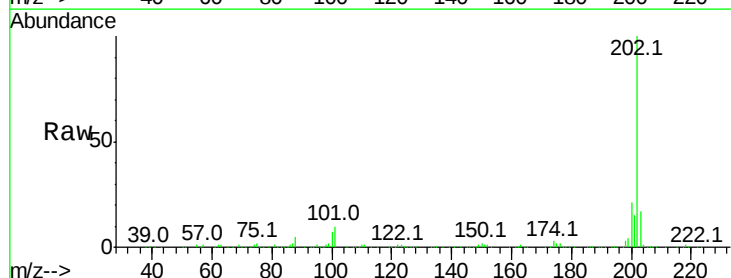
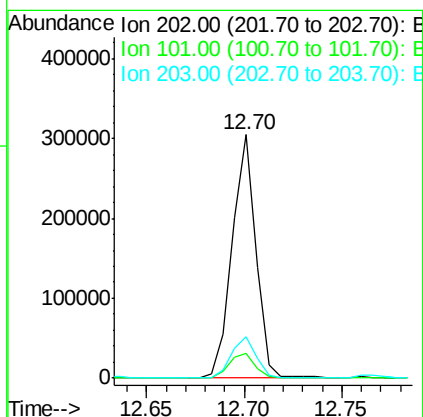
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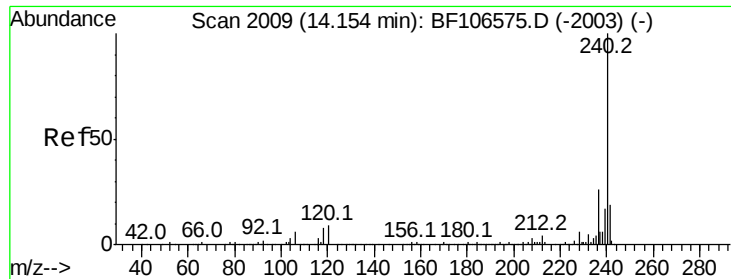
Sohil
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#74
 Fluoranthene
 Concen: 29.022 ng
 RT: 12.70 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF107203.D
 Acq: 7 Jul 2018 13:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	34.1
203	16.9	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: BF107203.D

Acq: 7 Jul 2018 13:49

Instrument :

BNA_F

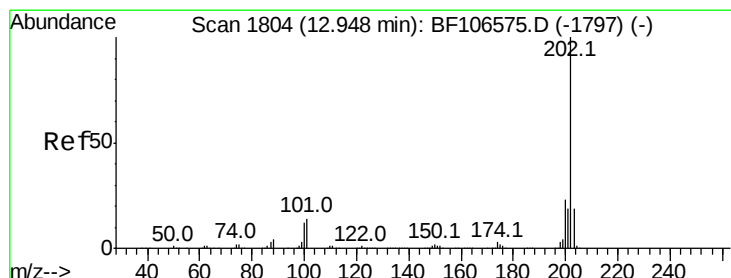
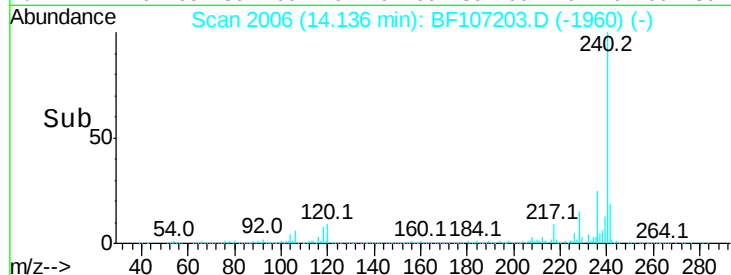
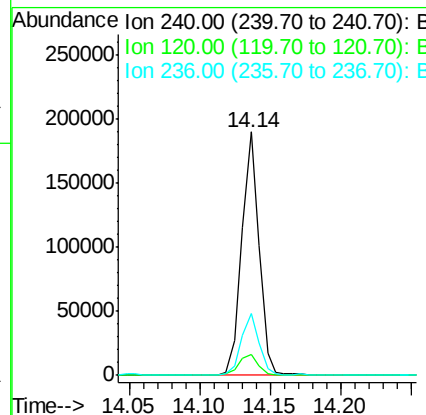
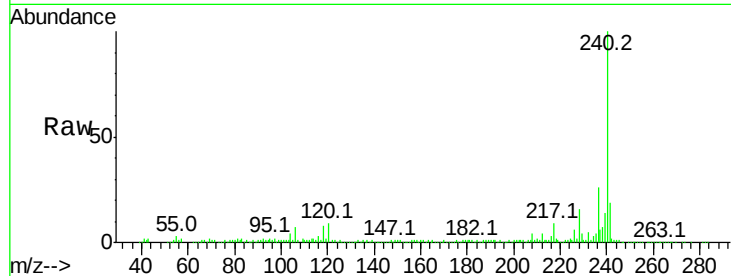
ClientSampleId :

SURCHARGE-SP-21

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	9.5	14.3#
236	25.6	20.7	31.1

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#77

Pyrene

Concen: 23.062 ng

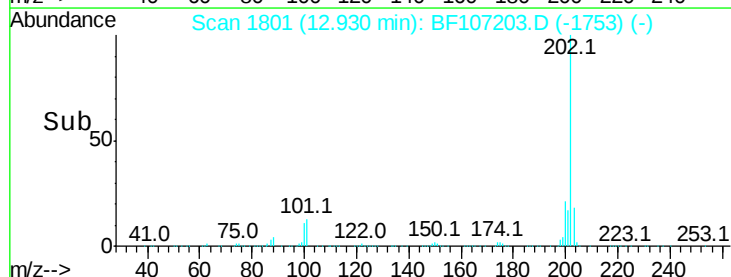
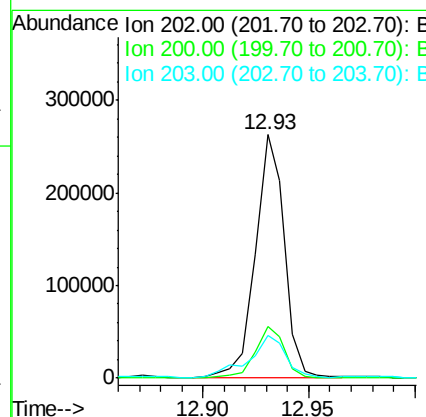
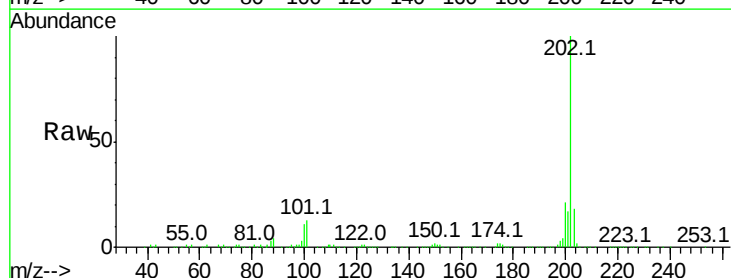
RT: 12.93 min Scan# 1801

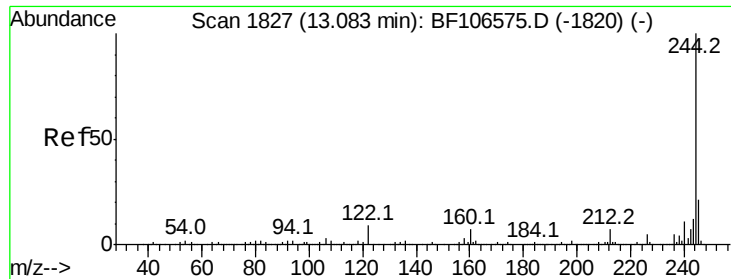
Delta R.T. -0.02 min

Lab File: BF107203.D

Acq: 7 Jul 2018 13:49

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.7	14.3	21.5





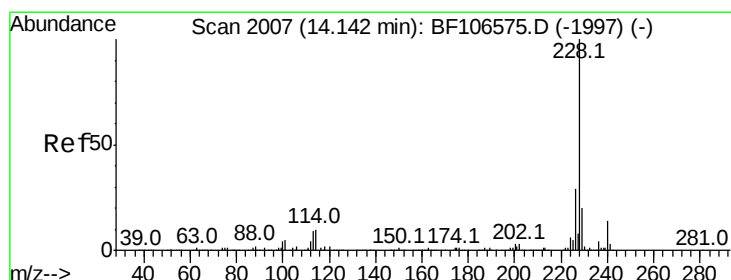
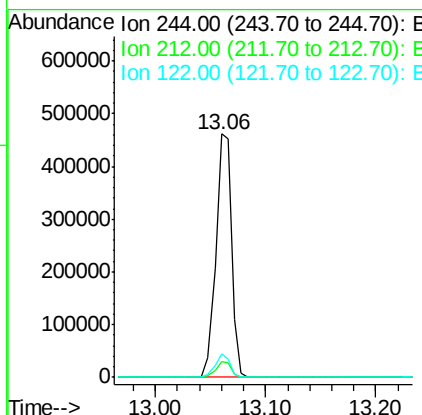
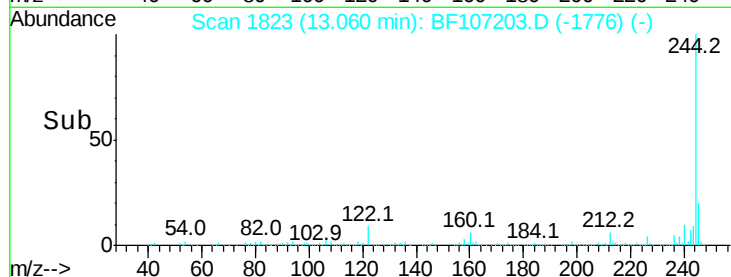
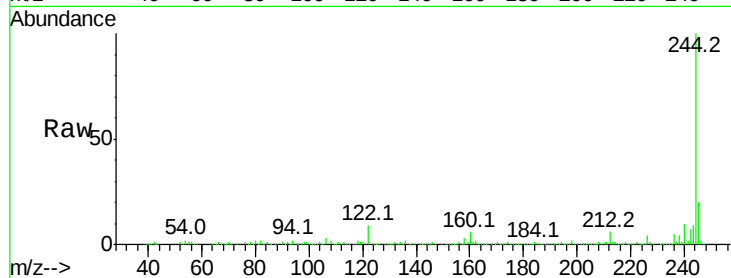
#78
 Terphenyl-d14
 Concen: 67.047 ng
 RT: 13.06 min Scan# 1823
 Delta R.T. -0.02 min
 Lab File: BF107203.D
 Acq: 7 Jul 2018 13:49

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-21

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

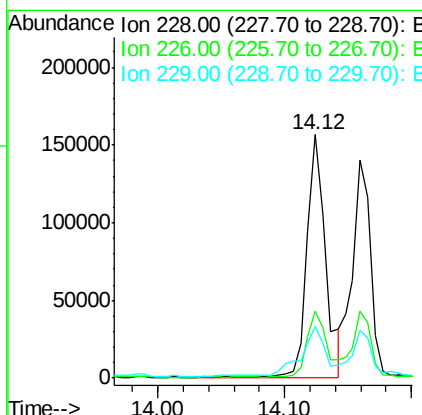
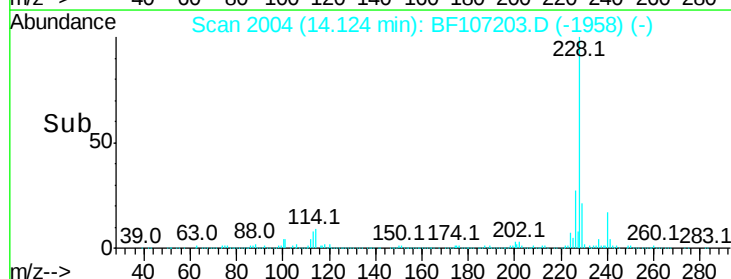
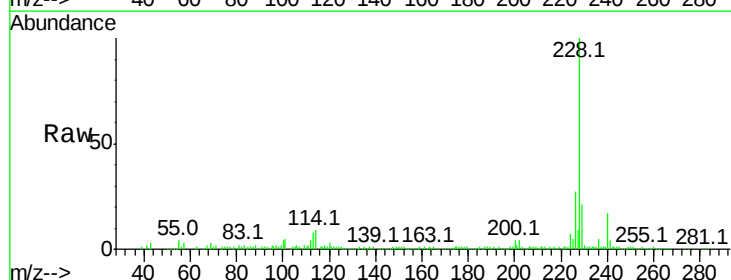
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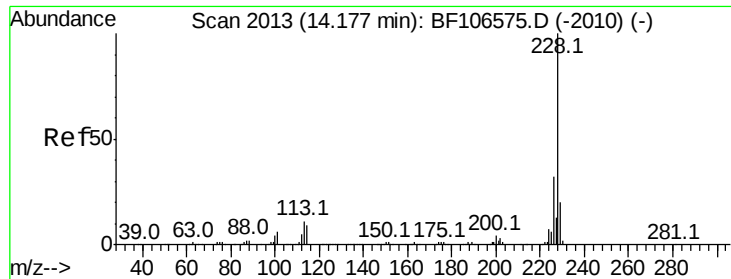
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#80
 Benzo(a)anthracene
 Concen: 15.896 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. -0.03 min
 Lab File: BF107203.D
 Acq: 7 Jul 2018 13:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	21.3	15.8	23.6





#82

Chrysene

Concen: 15.149 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.04 min

Lab File: BF107203.D

Acq: 7 Jul 2018 13:49

Instrument :

BNA_F

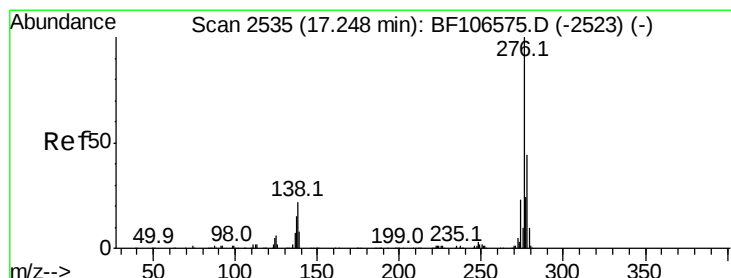
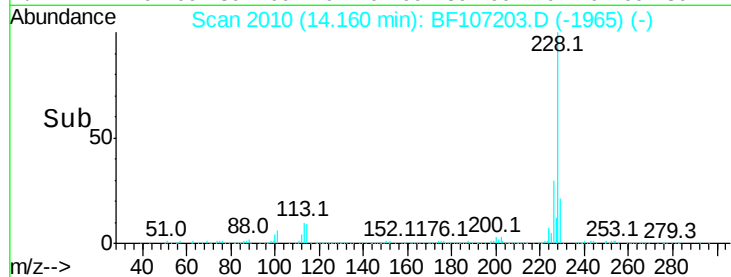
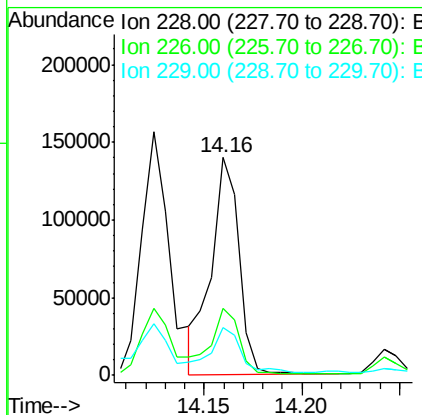
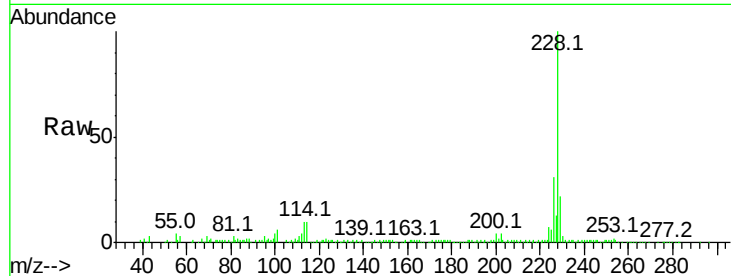
ClientSampleId :

SURCHARGE-SP-21

Tot Ion:	228	Resp:	139318
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	21.9	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.292 ng

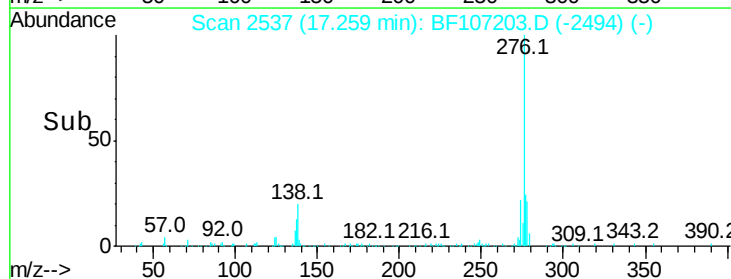
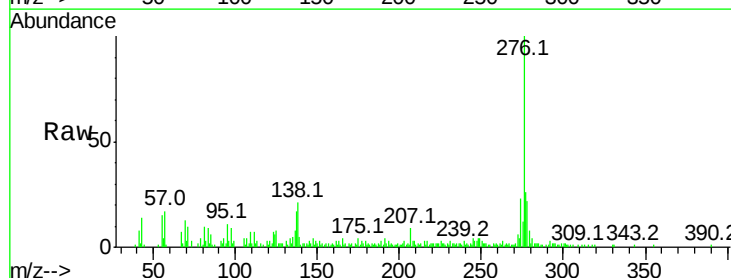
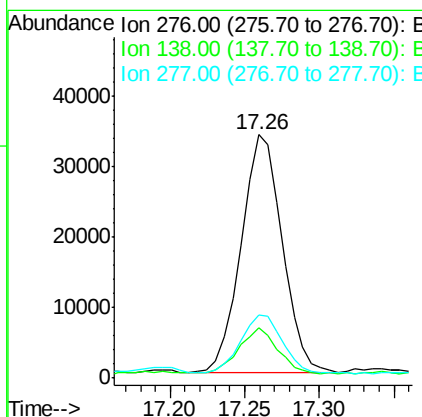
RT: 17.26 min Scan# 2537

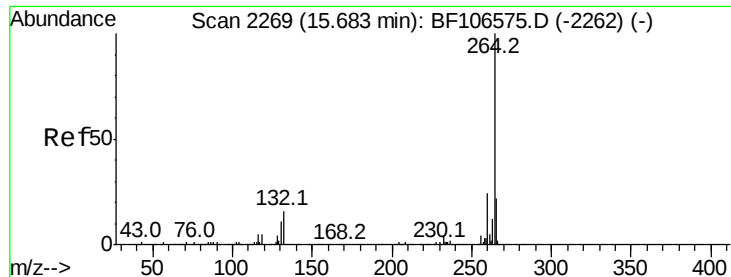
Delta R.T. -0.05 min

Lab File: BF107203.D

Acq: 7 Jul 2018 13:49

Tgt Ion:	276	Resp:	64717
Ion Ratio	Lower	Upper	
276	100		
138	18.5	25.0	37.6#
277	25.4	20.1	30.1





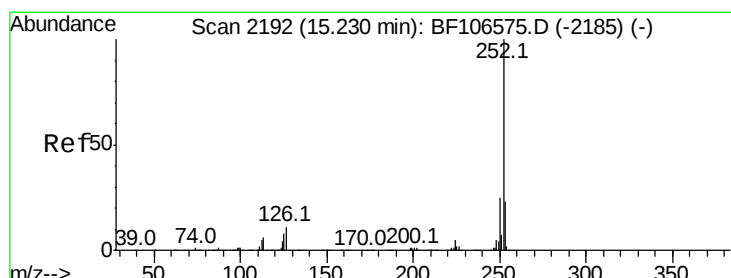
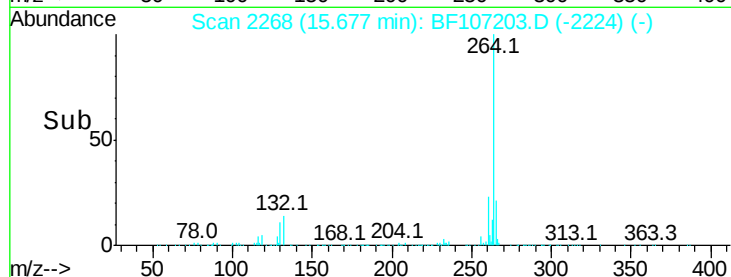
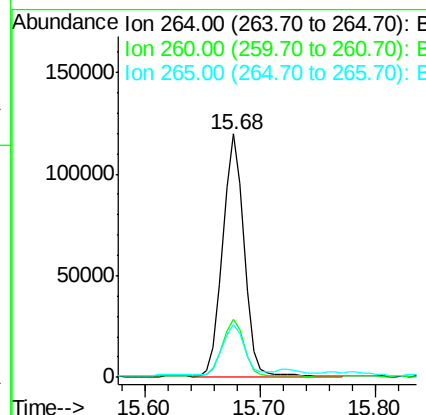
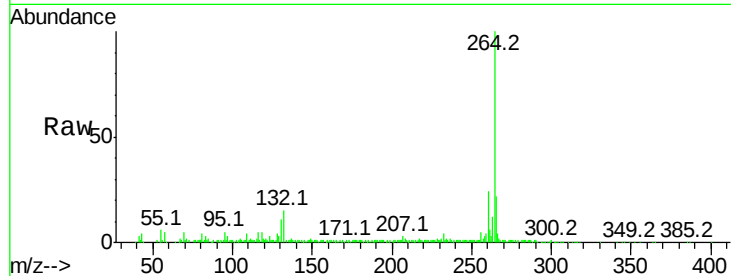
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.04 min
Lab File: BF107203.D
Acq: 7 Jul 2018 13:49

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-21

Tot Ion:	264	Resp:	153629
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	21.8	17.5	26.3

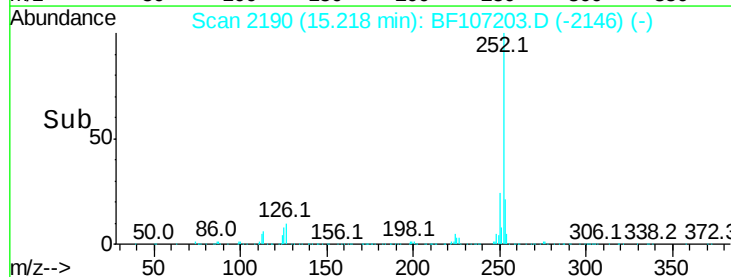
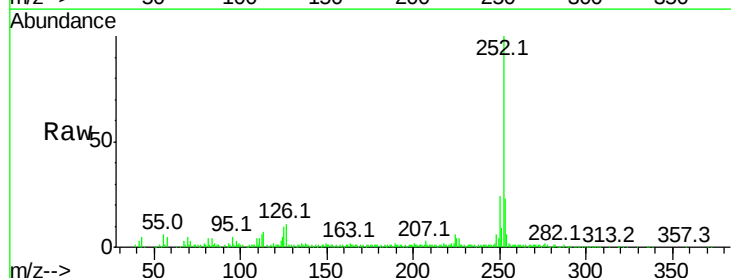
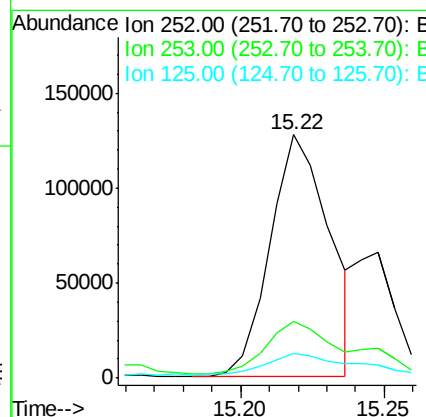
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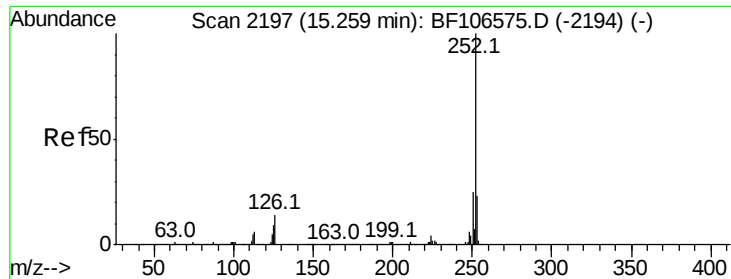
Sohil
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#87
Benzo(b)fluoranthene
Concen: 19.164 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF107203.D
Acq: 7 Jul 2018 13:49

Tgt Ion:	252	Resp:	182886
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.0	25.6
125	10.1	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 6.967 ng/mL

RT: 15.25 min Scan# 2195

Delta R.T. -0.05 min

Lab File: BF107203.D

Acq: 7 Jul 2018 13:49

Instrument :

BNA_F

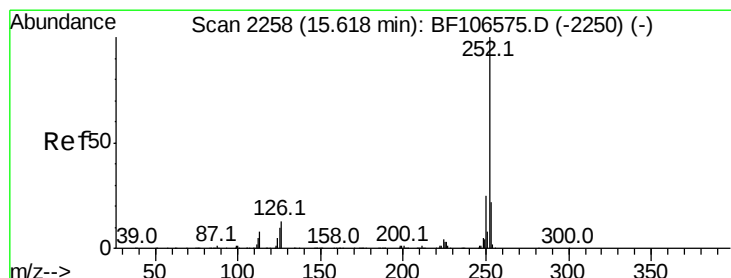
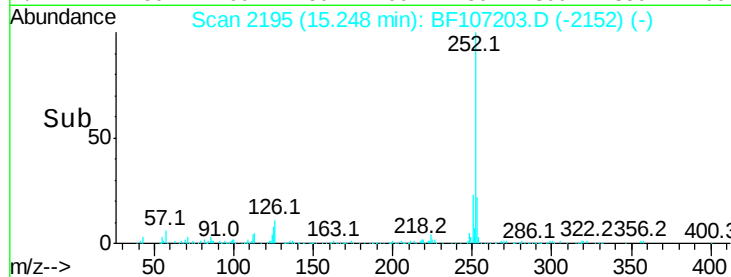
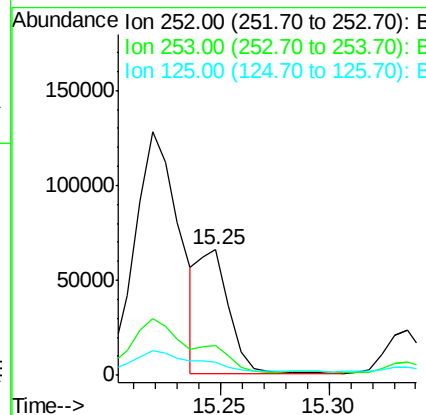
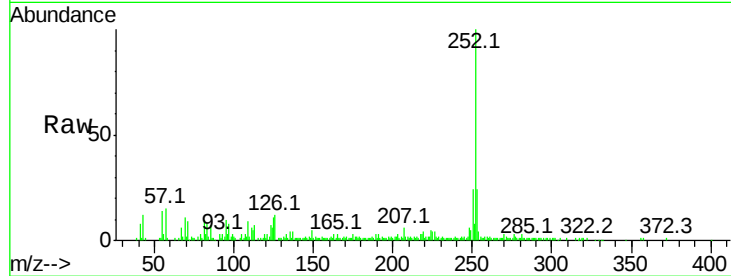
ClientSampleId :

SURCHARGE-SP-21

Tot Ion:	252	Resp:	63314
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.9	26.9
125	10.6	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 14.727 ng/mL

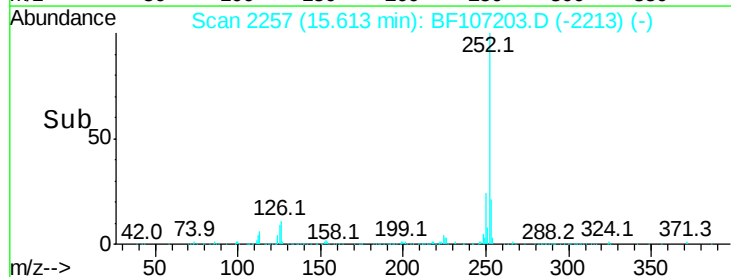
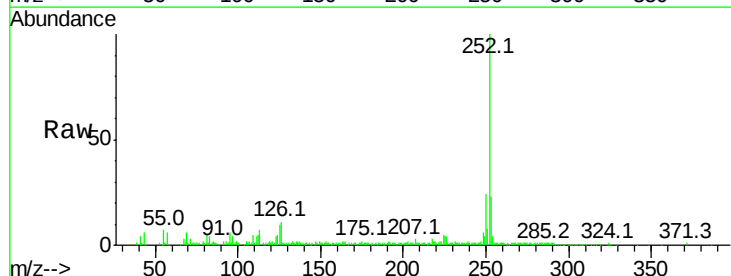
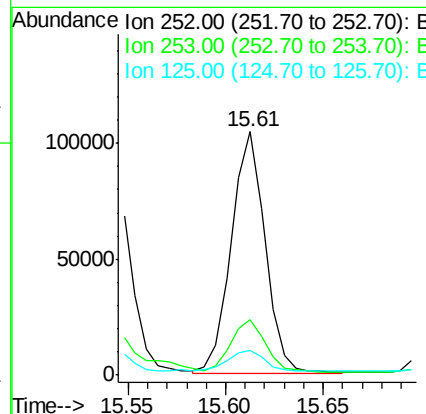
RT: 15.61 min Scan# 2257

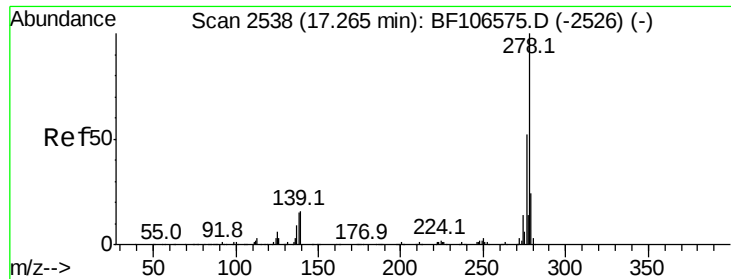
Delta R.T. -0.04 min

Lab File: BF107203.D

Acq: 7 Jul 2018 13:49

Tgt Ion:	252	Resp:	124944
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.1	25.7
125	10.4	9.8	14.6





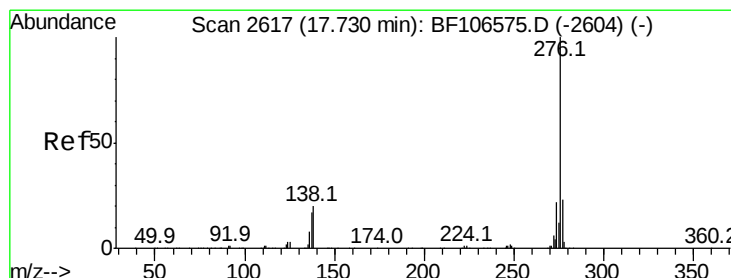
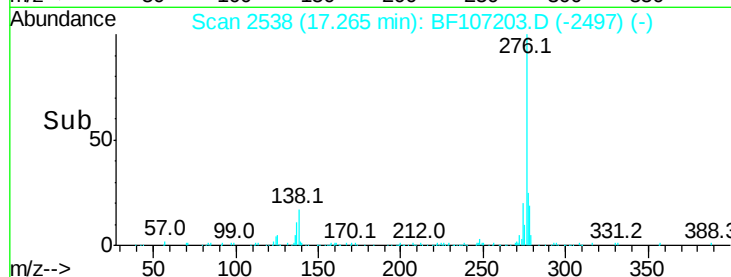
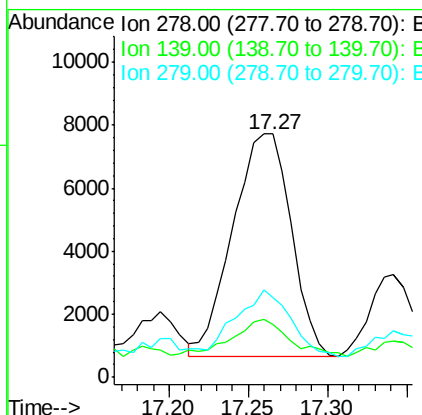
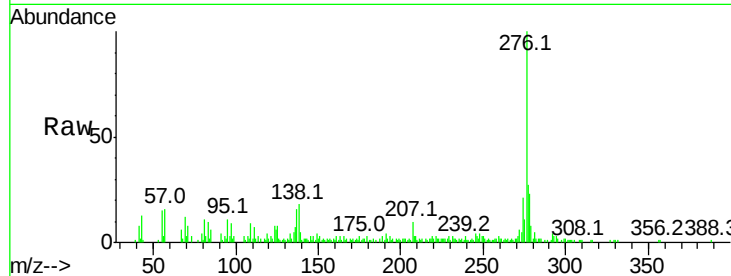
#90
Dibenzo(a,h)anthracene
Concen: 2.504 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.06 min
Lab File: BF107203.D
Acq: 7 Jul 2018 13:49

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-21

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.9	15.9	23.9
279	32.8	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 8.893 ng
RT: 17.75 min Scan# 2620
Delta R.T. -0.04 min
Lab File: BF107203.D
Acq: 7 Jul 2018 13:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	19.5	21.8	32.8

