

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107228.D
 Acq On : 9 Jul 2018 15:01
 Operator : JU/SJ
 Sample : J3881-09RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-25RE

Manual Integrations
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Quant Time: Jul 09 17:14:57 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	43776	20.00	ng	-0.02
21) Naphthalene-d8	8.23	136	166998	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	76341	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	132438	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	109523	20.00	ng	-0.02
86) Perylene-d12	15.70	264	80762	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	245517	94.97	ng	-0.01
7) Phenol-d6	6.60	99	307346	95.20	ng	-0.02
23) Nitrobenzene-d5	7.51	82	190949	63.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	83017	93.82	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	353221	76.91	ng	-0.02
78) Terphenyl-d14	13.07	244	349942	77.40	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.25	128	19320	2.474	ng	99
37) 2-Methylnaphthalene	8.94	142	10711	2.070	ng	98
49) Dimethylphthalate	9.70	163	50428	8.807	ng	99
51) Acenaphthene	10.02	154	9792	2.057	ng	98
57) Fluorene	10.54	166	11364	2.197	ng	# 95
70) Phenanthrene	11.51	178	101866	15.947	ng	99
71) Anthracene	11.57	178	35296	5.413	ng	99
74) Fluoranthene	12.71	202	209743	29.791	ng	95
77) Pyrene	12.95	202	206957	28.655	ng	99
80) Benzo(a)anthracene	14.14	228	117407	17.589	ng	97
82) Chrysene	14.18	228	113858	18.540	ng	98
83) Bis(2-ethylhexyl)phthalate	14.09	149	9646	2.541	ng	# 86
85) Indeno(1,2,3-cd)pyrene	17.30	276	43799	8.404	ng	# 86
87) Benzo(b)fluoranthene	15.24	252	131752m	26.262	ng	
88) Benzo(k)fluoranthene	15.27	252	34668m	7.256	ng	
89) Benzo(a)pyrene	15.64	252	77221	17.315	ng	95
90) Dibenzo(a,h)anthracene	17.29	278	13000	3.439	ng	# 76
91) Benzo(g,h,i)perylene	17.79	276	44167	11.955	ng	# 89

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

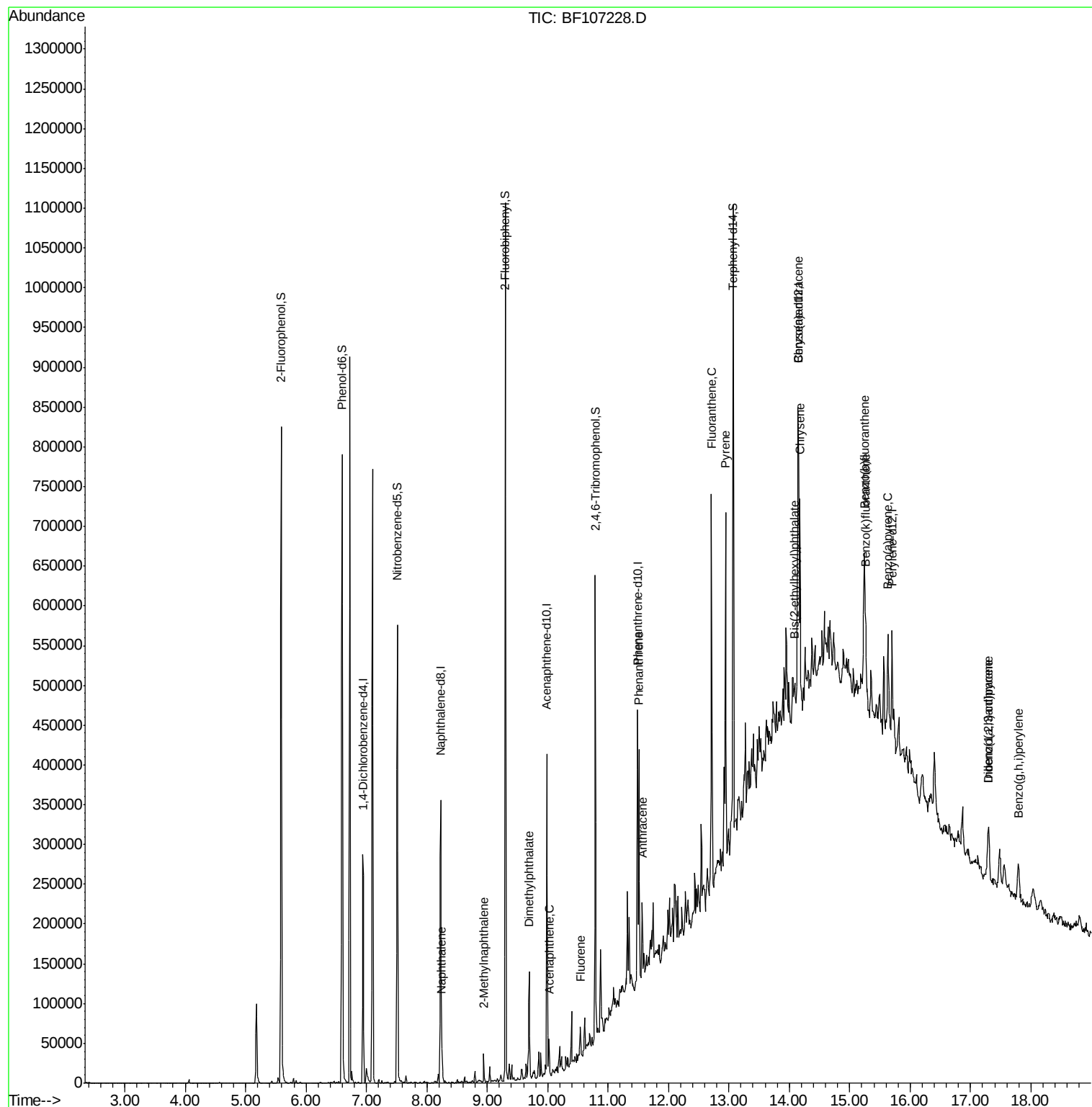
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
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#1

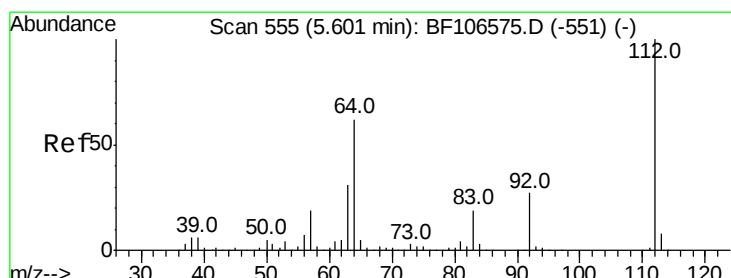
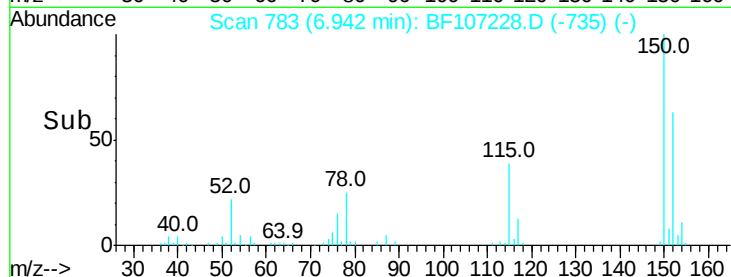
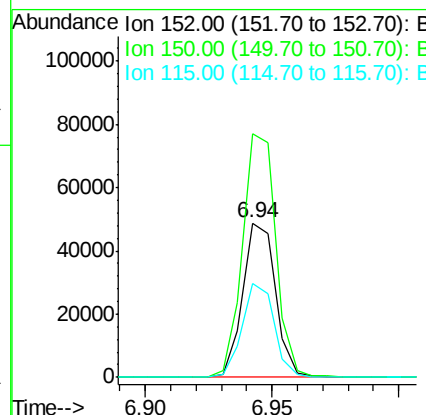
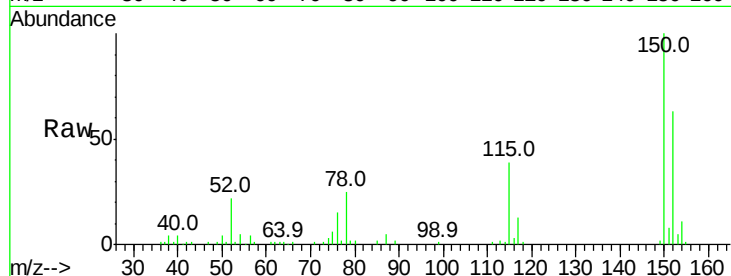
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Instrument :
BNA_F
ClientSampled :
SURCHARGE-SP-25RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	61.2	50.1	75.1

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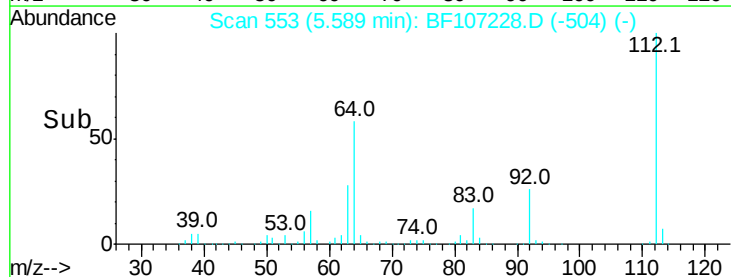
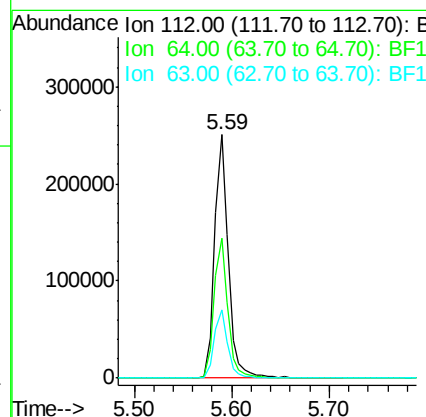
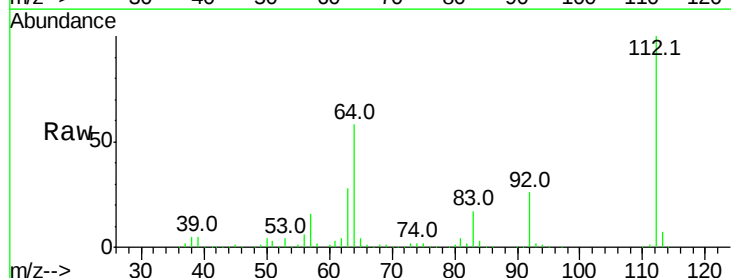
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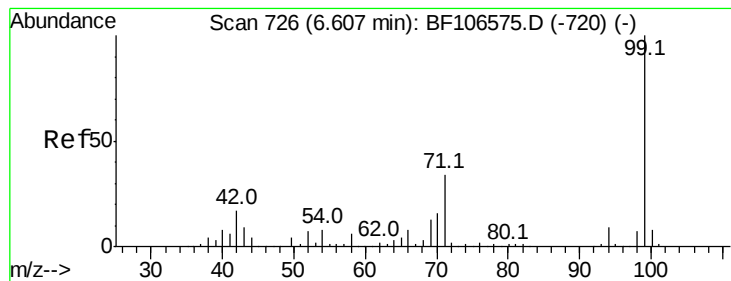


#5

2-Fluorophenol
Concen: 94.969 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.9	71.9
63	27.9	23.7	35.5





#7

Phenol-d6

Concen: 95.200 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107228.D

Acq: 9 Jul 2018 15:01

Instrument :

BNA_F

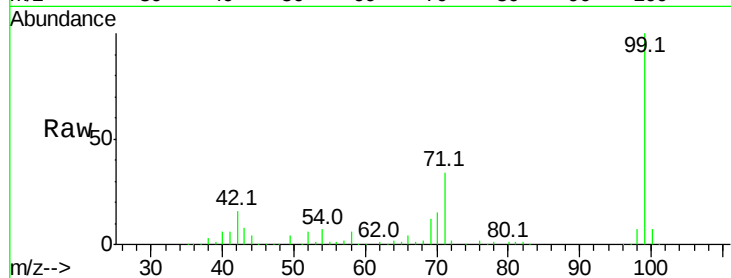
ClientSampleId :

SURCHARGE-SP-25RE

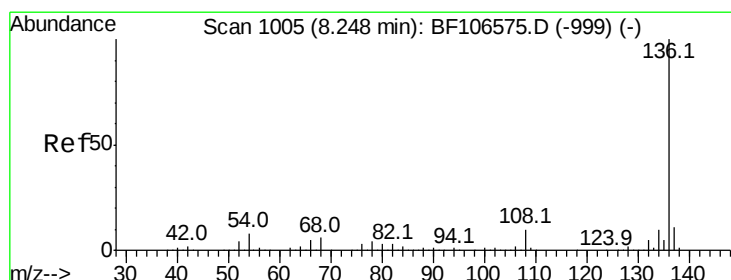
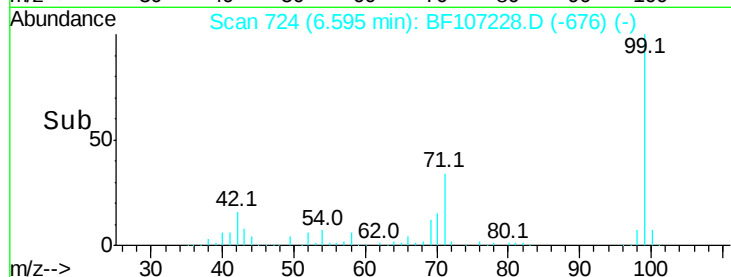
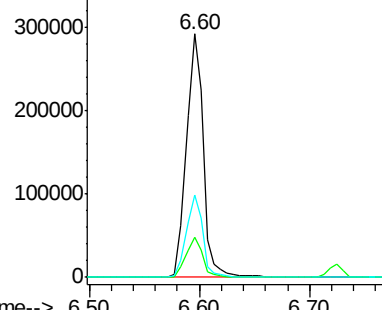
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		307346		
42	16.3	14.5	21.7		
71	33.9	25.4	38.0		

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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: 8.23 min Scan# 1002

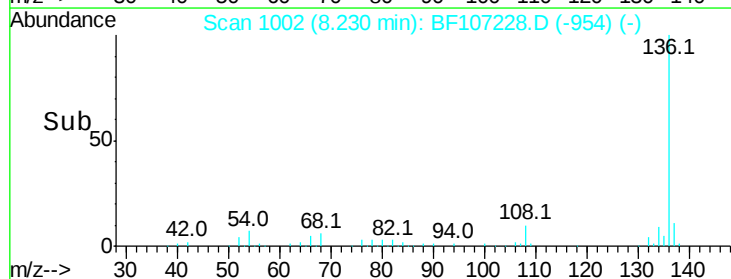
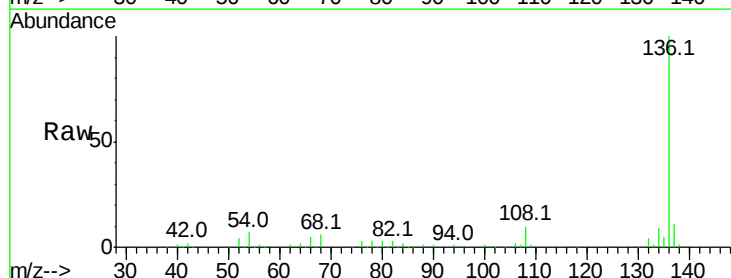
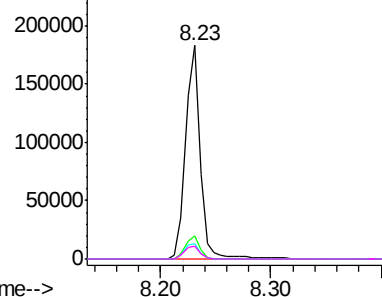
Delta R.T. -0.02 min

Lab File: BF107228.D

Acq: 9 Jul 2018 15:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		166998		
137	10.8	8.9	13.3		
54	7.4	6.6	9.8		
68	5.9	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





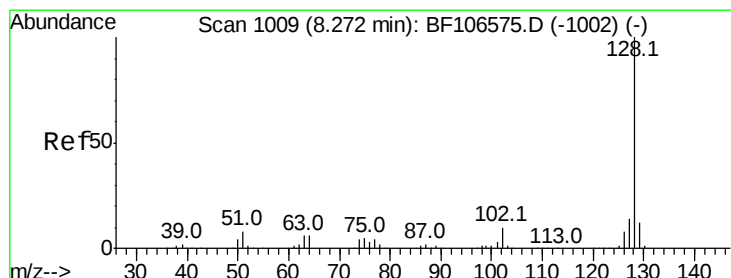
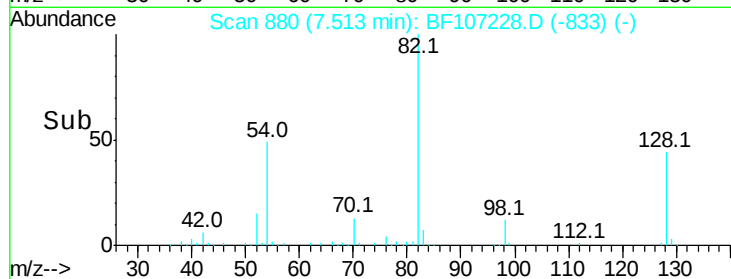
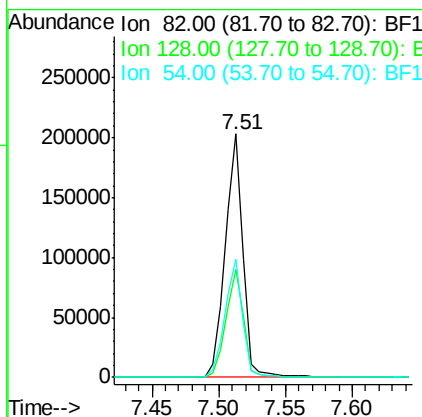
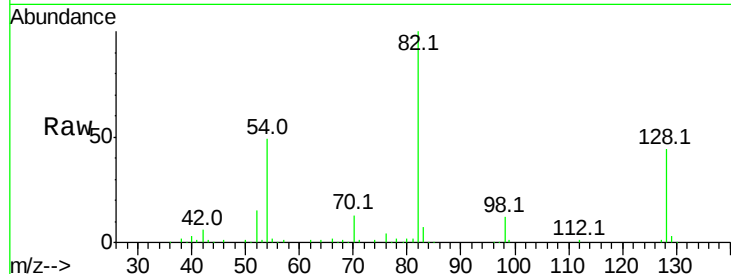
#23
Nitrobenzene-d5
Concen: 63.544 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-25RE

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	48.7	41.4	62.2

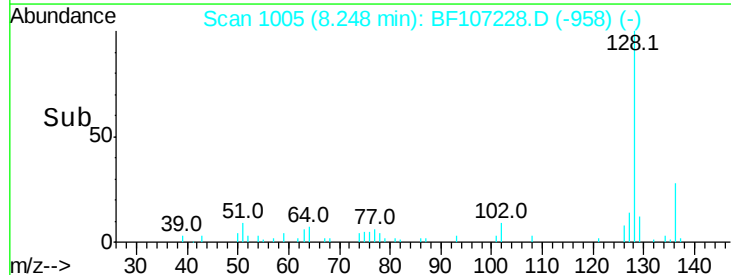
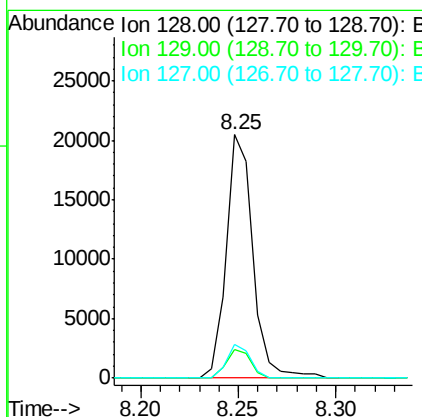
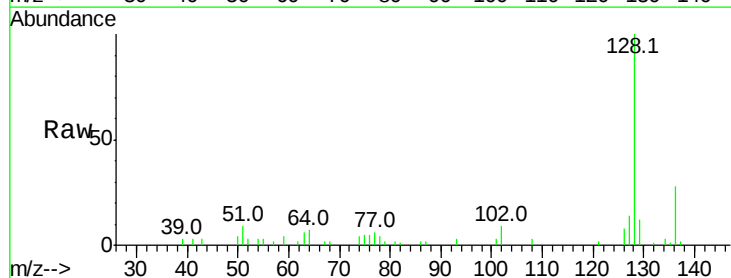
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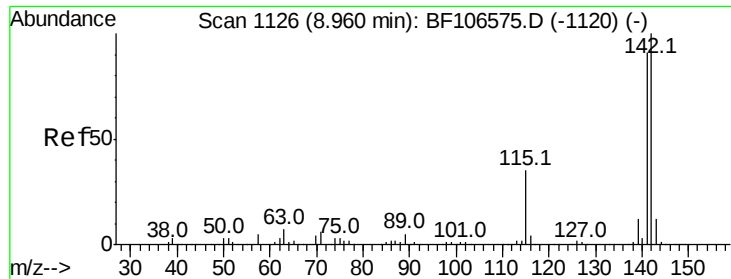
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#31
Naphthalene
Concen: 2.474 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.8	13.2
127	13.8	10.9	16.3





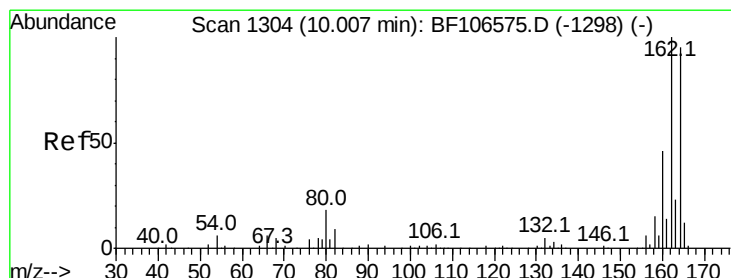
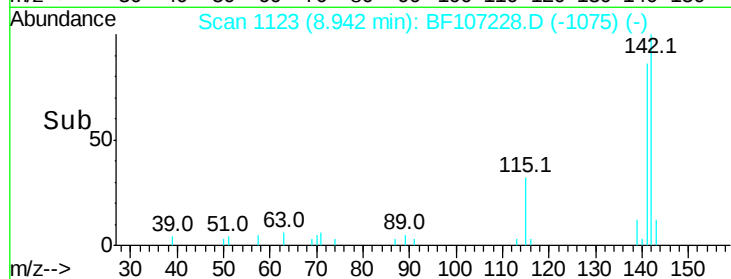
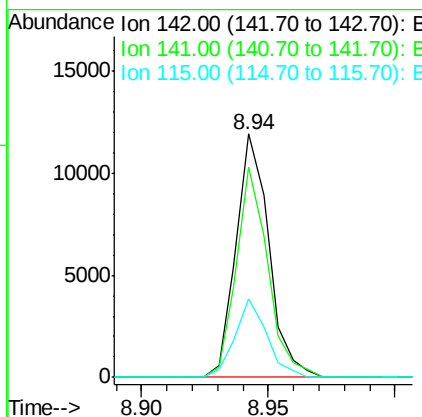
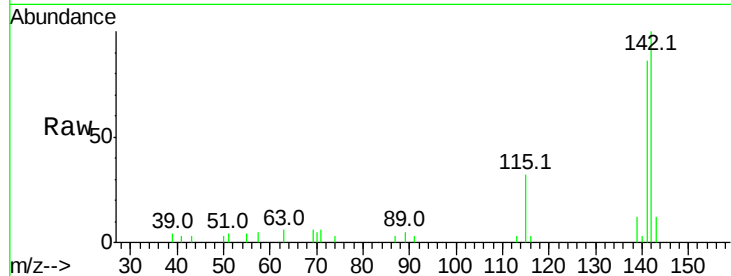
#37
2-Methylnaphthalene
Concen: 2.070 ng
RT: 8.94 min Scan# 1123
Delta R.T. -0.02 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-25RE

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.5	70.8	106.2
115	32.2	26.1	39.1

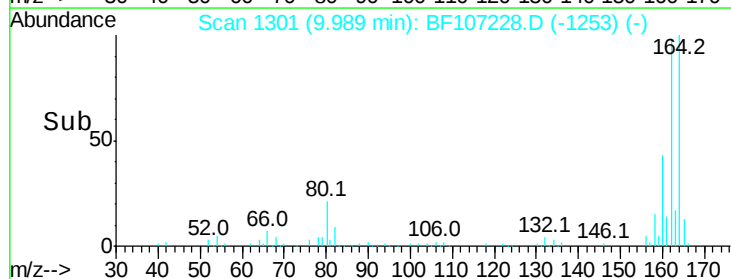
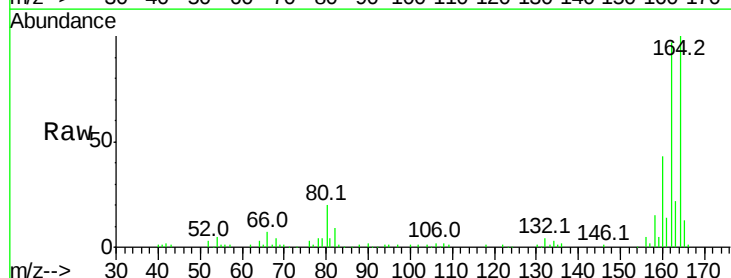
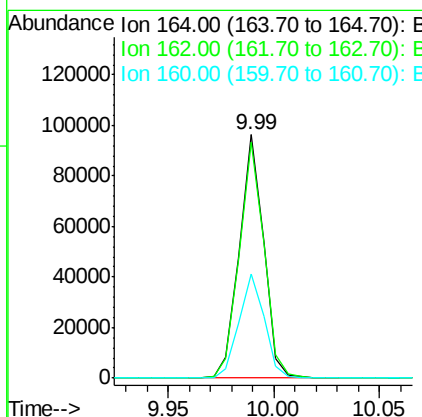
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.2	86.1	129.1
160	42.8	38.3	57.5





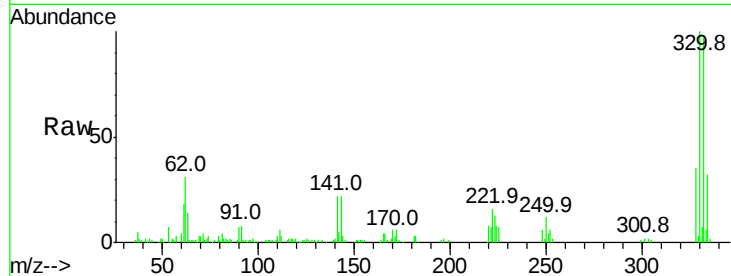
#41
 2,4,6-Tribromophenol
 Concen: 93.824 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107228.D
 Acq: 9 Jul 2018 15:01

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-25RE

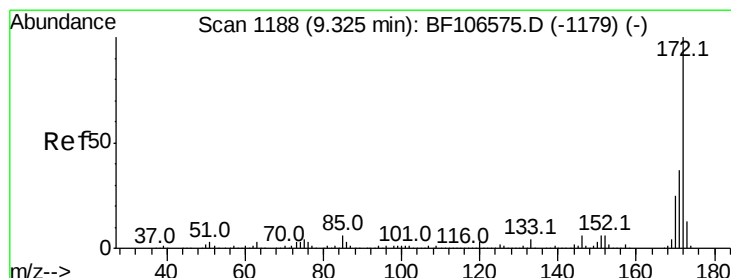
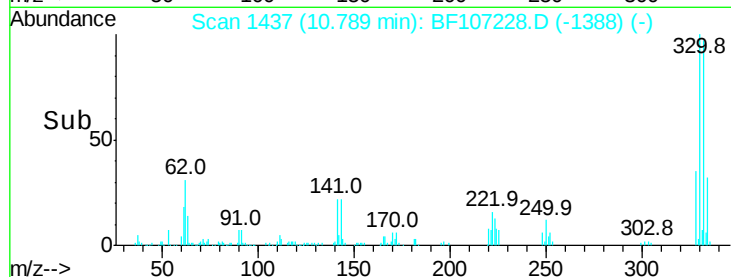
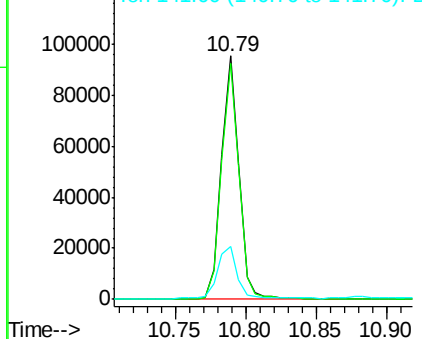
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	23.3	29.9	44.9#

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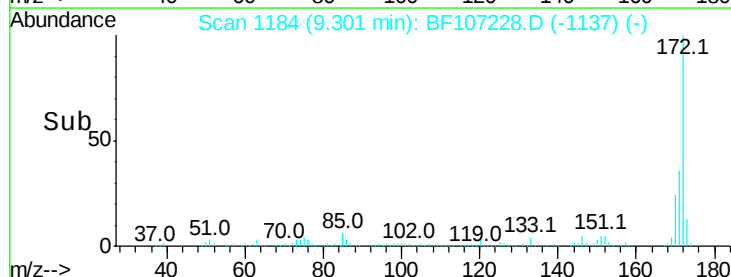
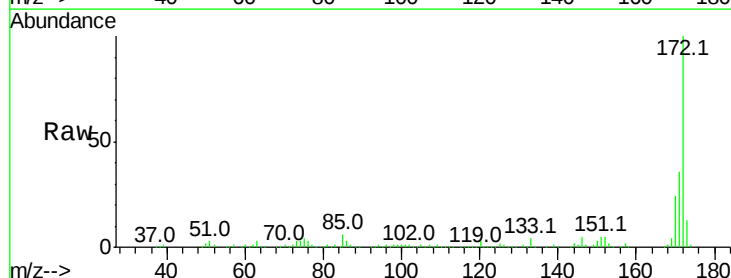
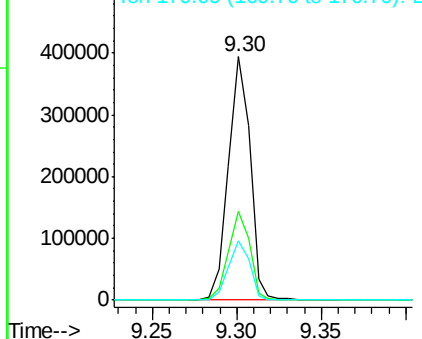
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

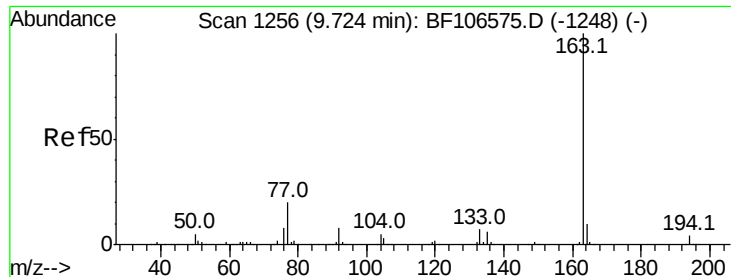


#44
 2-Fluorobiphenyl
 Concen: 76.912 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107228.D
 Acq: 9 Jul 2018 15:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	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





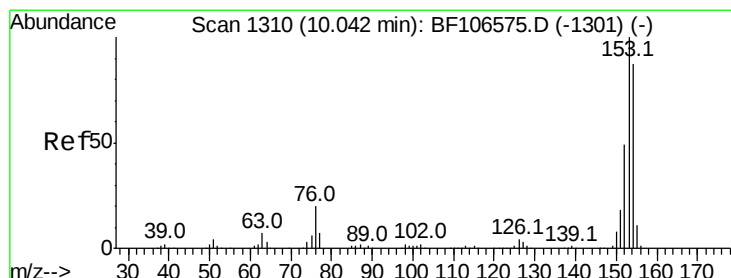
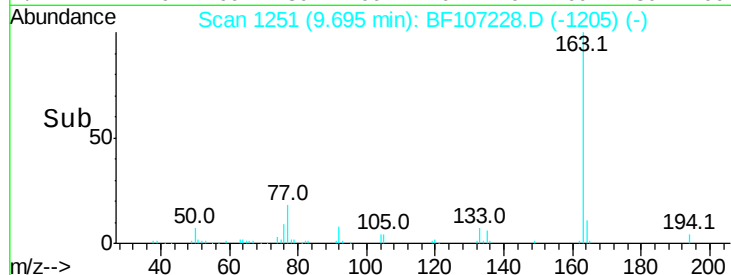
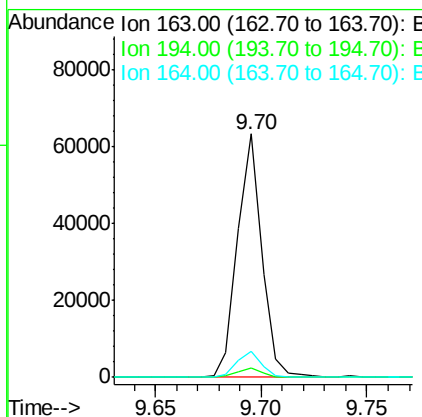
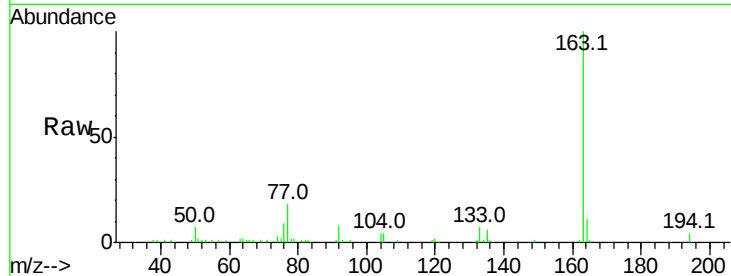
#49
Dimethylphthalate
Concen: 8.807 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-25RE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	50428		
194	4.0		2.7	4.1
164	10.6		8.2	12.2

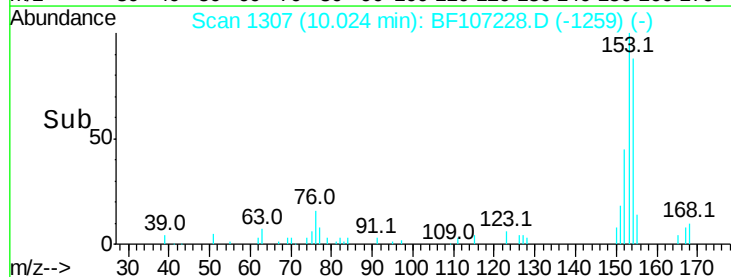
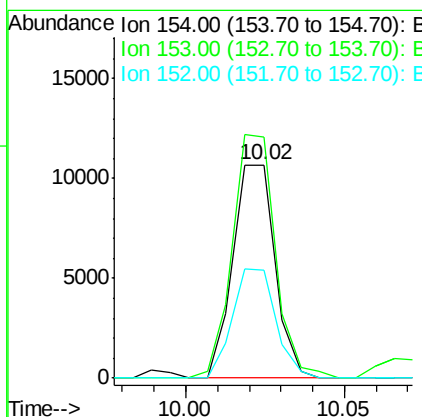
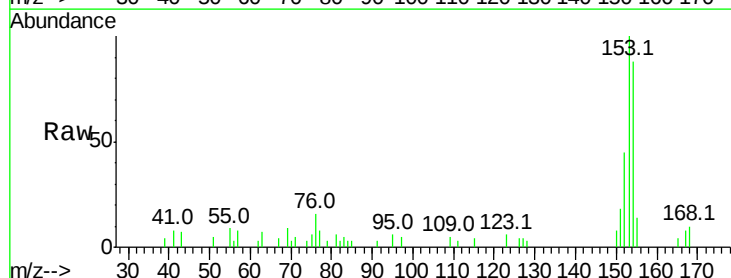
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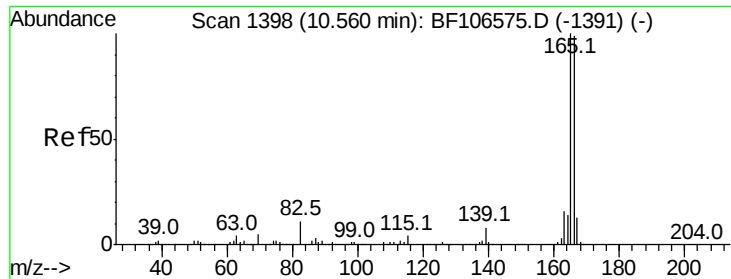
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#51
Acenaphthene
Concen: 2.057 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	9792		
153	113.3		91.2	136.8
152	50.7		43.8	65.8





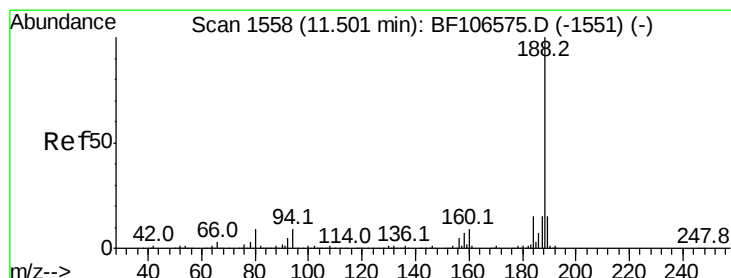
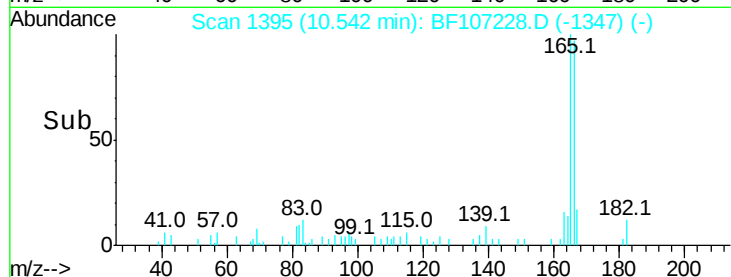
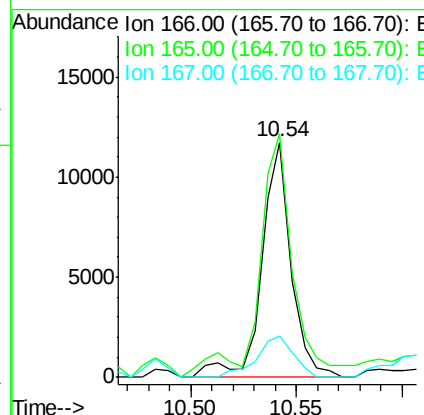
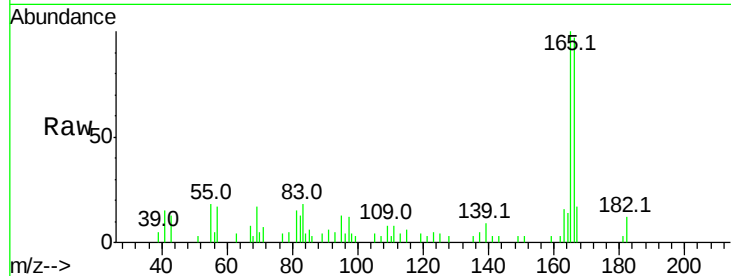
#57
Fluorene
 Concen: 2.197 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. -0.02 min
 Lab File: BF107228.D
 Acq: 9 Jul 2018 15:01

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-25RE

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.5	79.8	119.8
167	17.7	10.6	16.0

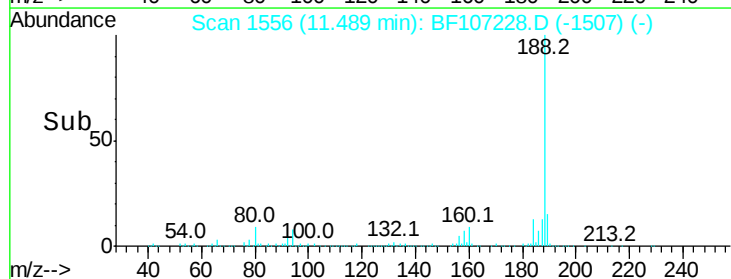
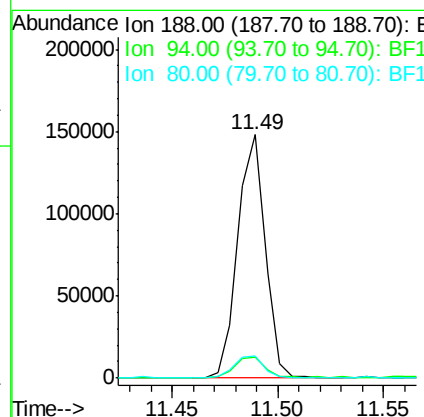
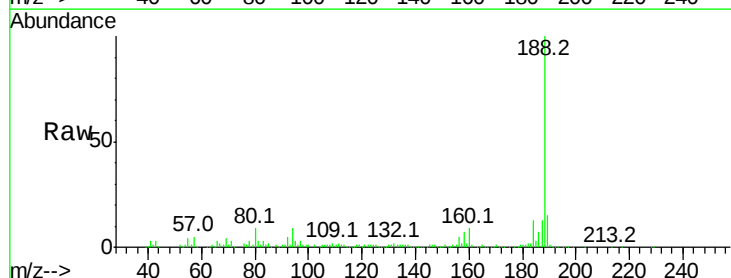
Manual Integrations
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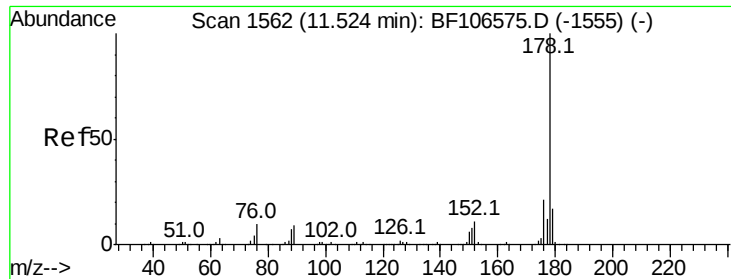
Sohil
 7/10/2018 2:46:19 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107228.D
 Acq: 9 Jul 2018 15:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.0	9.2	13.8





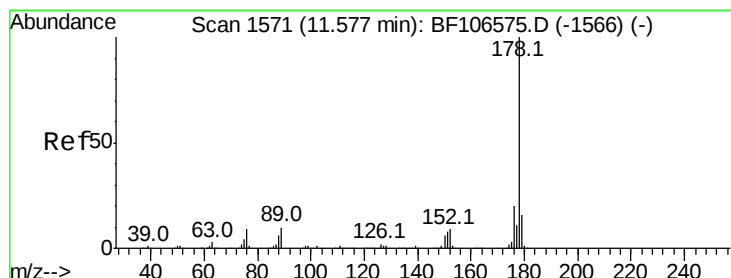
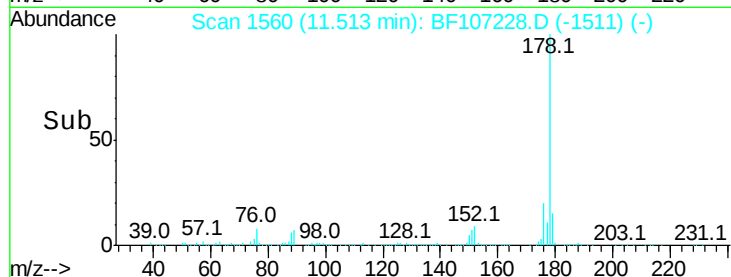
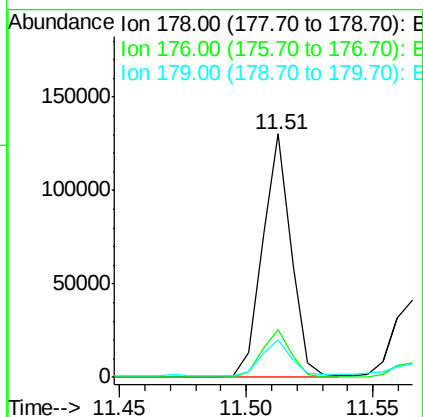
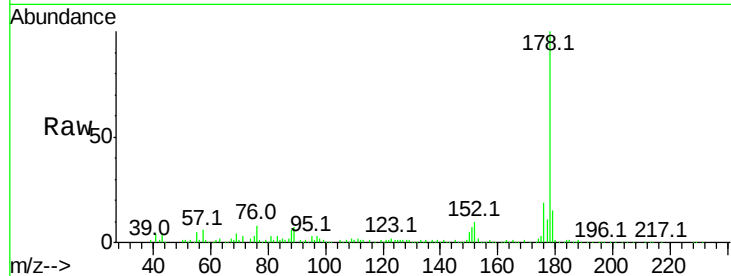
#70
Phenanthrene
Concen: 15.947 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-25RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.4	13.0	19.6

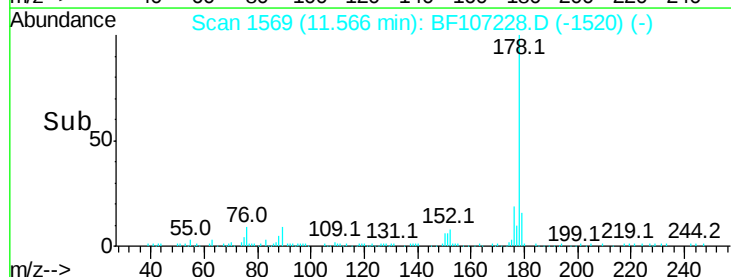
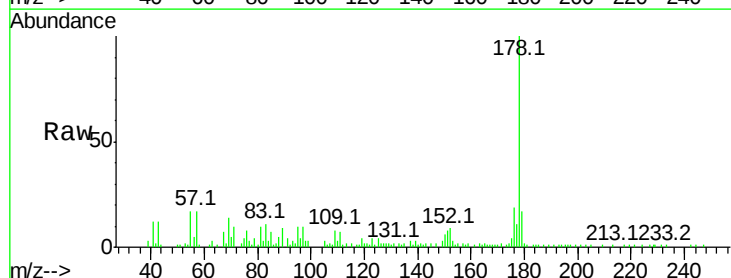
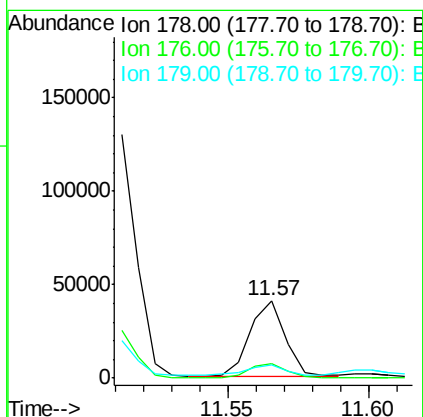
Manual Integrations
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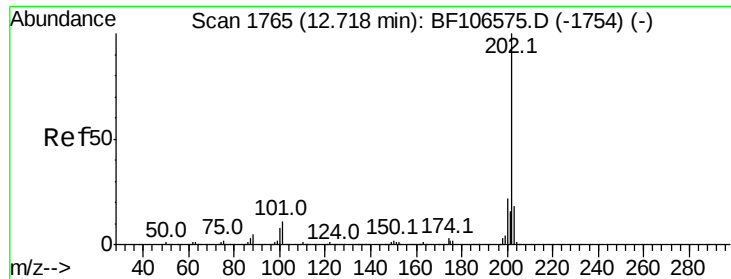
Sohil
7/10/2018 2:46:19 PM



#71
Anthracene
Concen: 5.413 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	16.6	12.6	19.0





#74

Fluoranthene

Concen: 29.791 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107228.D

Acq: 9 Jul 2018 15:01

Instrument :

BNA_F

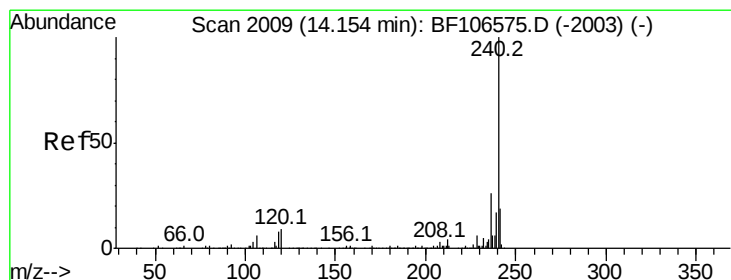
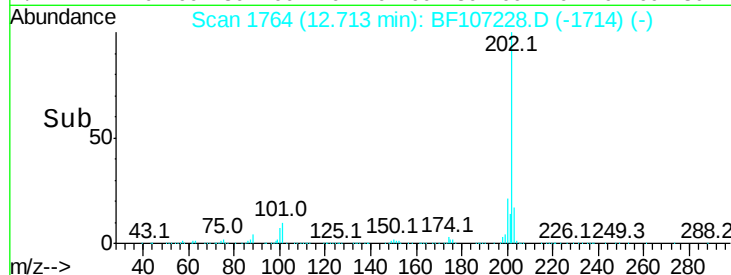
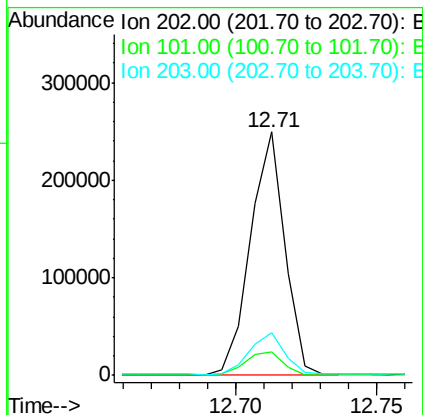
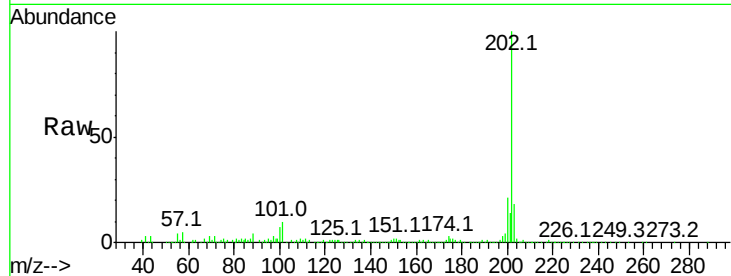
ClientSampleId :

SURCHARGE-SP-25RE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.6	0.0	34.1
203	17.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

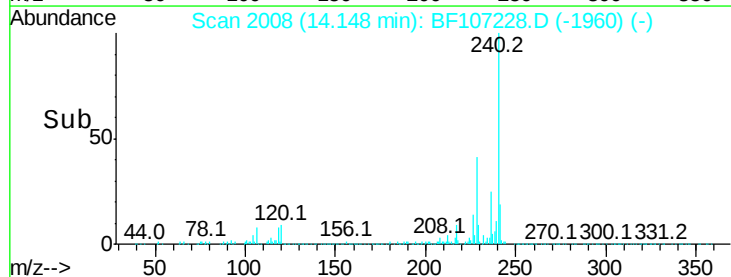
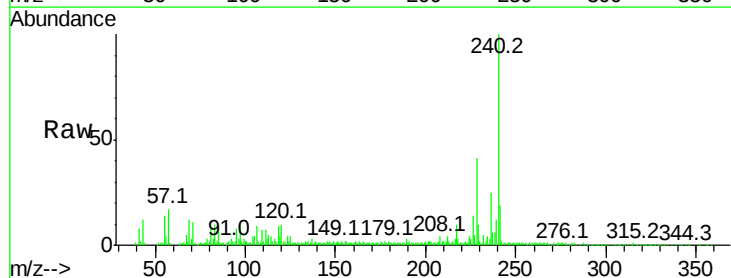
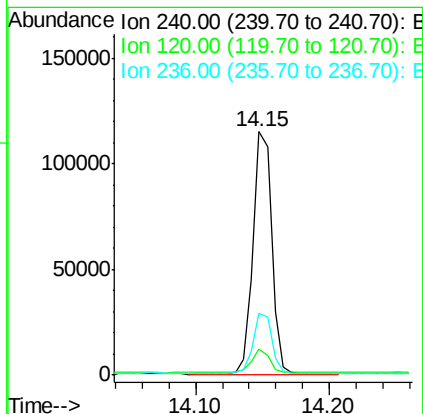
RT: 14.15 min Scan# 2008

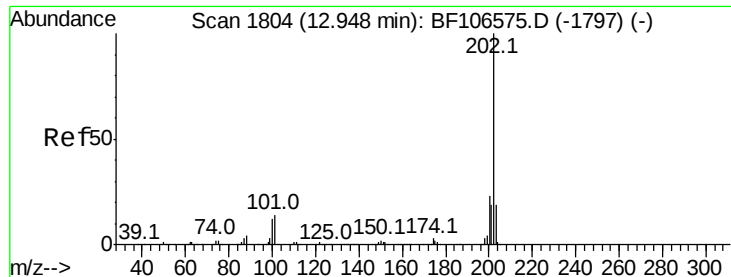
Delta R.T. -0.02 min

Lab File: BF107228.D

Acq: 9 Jul 2018 15:01

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.5	9.5	14.3
236	25.2	20.7	31.1





#77

Pvrene

Concen: 28.655 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF107228.D

Acq: 9 Jul 2018 15:01

Instrument :

BNA_F

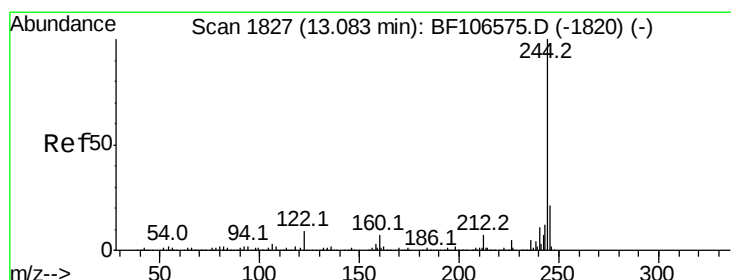
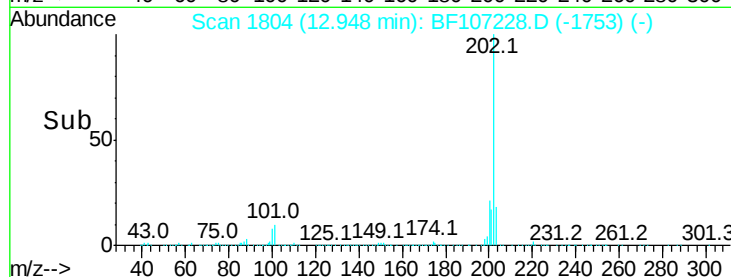
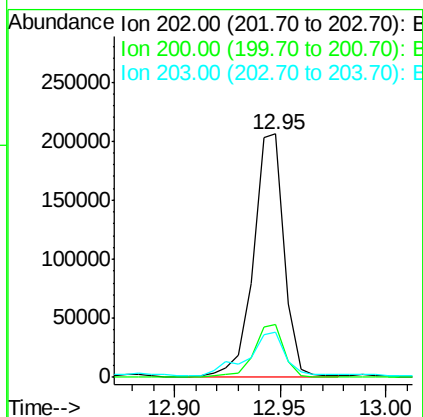
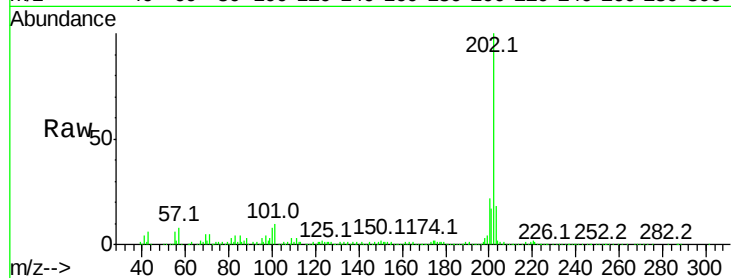
ClientSampleId :

SURCHARGE-SP-25RE

Tot Ion:	202	Resp:	206957
Ion Ratio		Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 77.396 ng

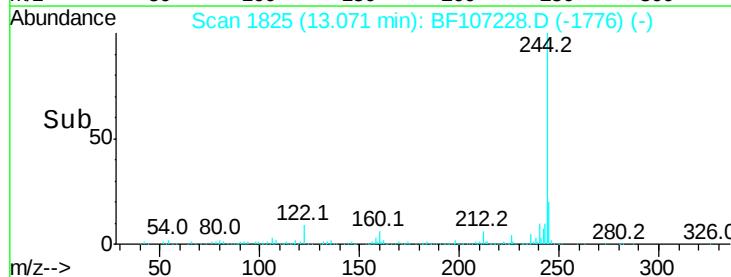
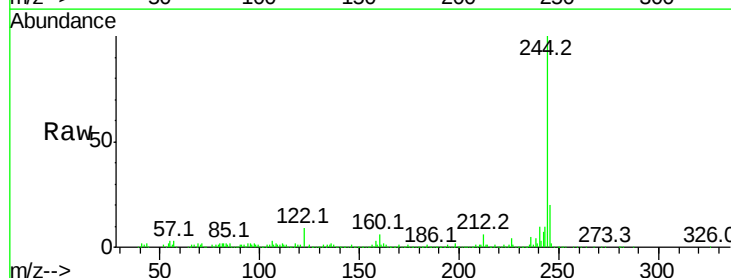
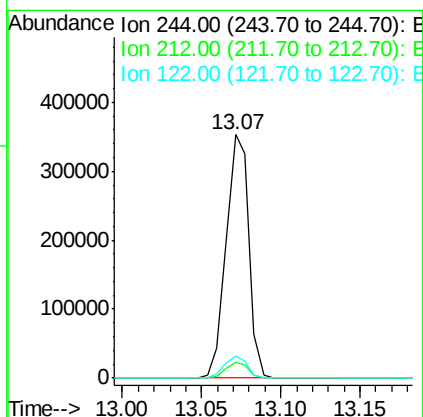
RT: 13.07 min Scan# 1825

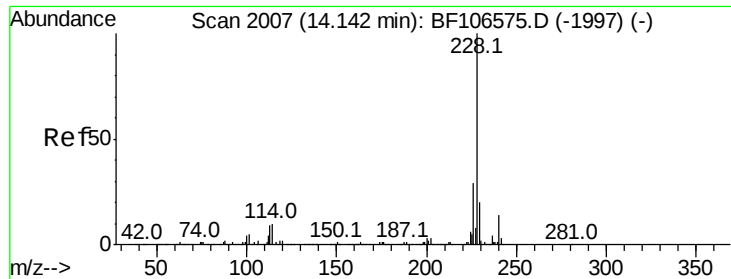
Delta R.T. -0.01 min

Lab File: BF107228.D

Acq: 9 Jul 2018 15:01

Tgt Ion:	244	Resp:	349942
Ion Ratio		Lower	Upper
244	100		
212	6.3	5.4	8.0
122	8.9	11.0	16.4#





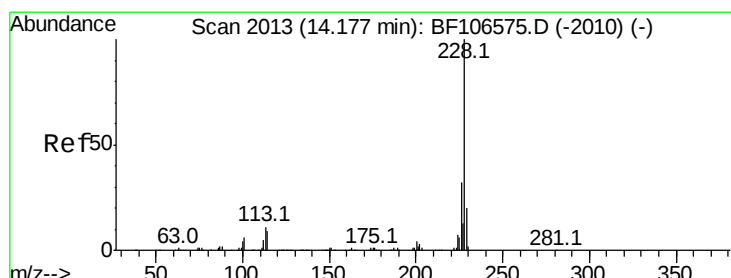
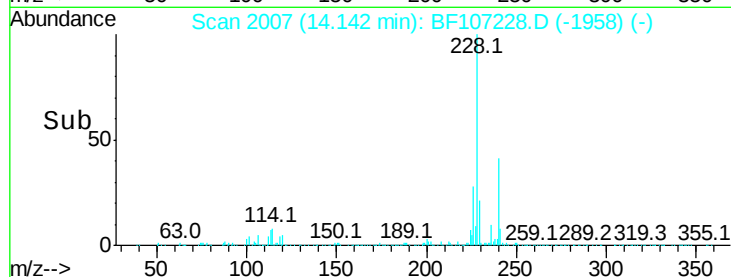
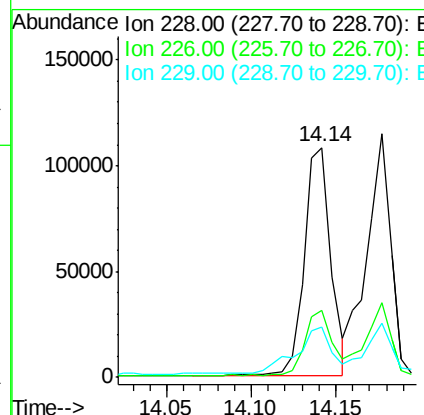
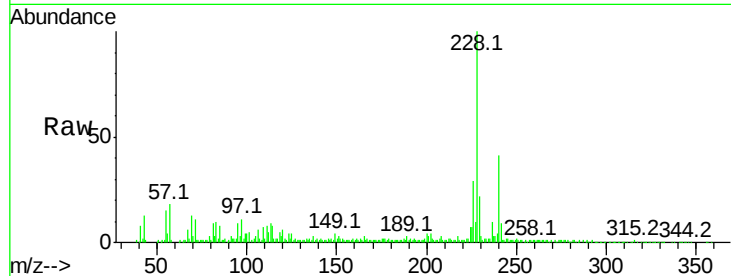
#80
Benzo(a)anthracene
Concen: 17.589 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-25RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	21.8	15.8	23.6

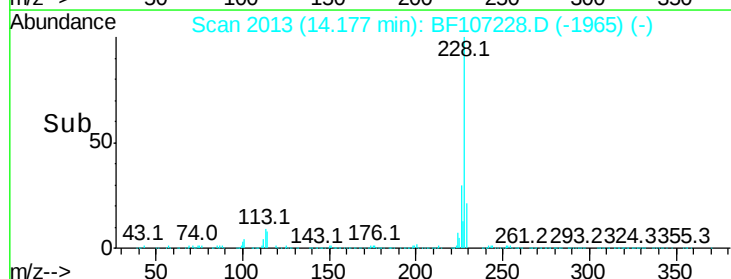
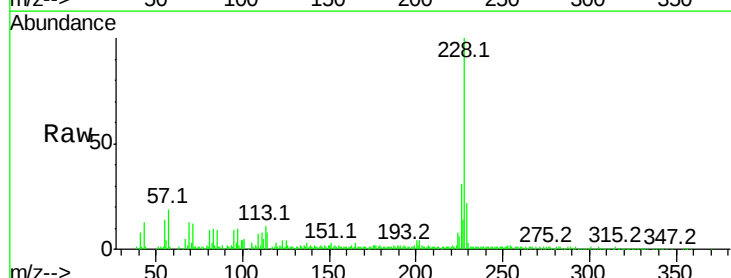
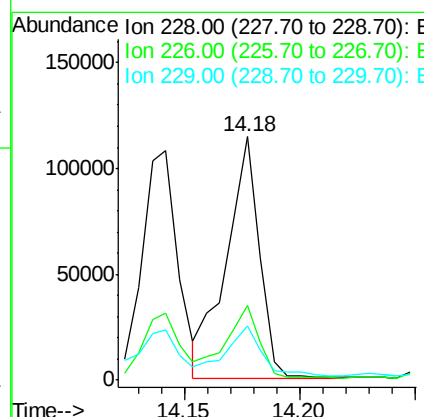
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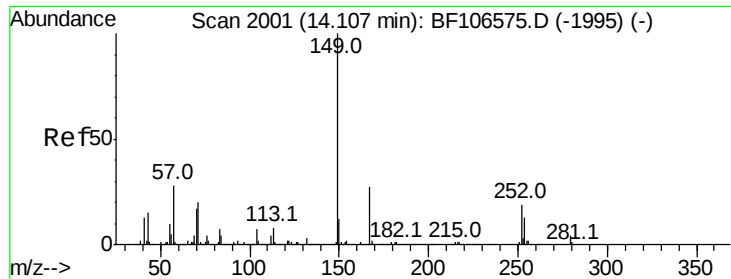
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#82
Chrysene
Concen: 18.540 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.2	16.2	24.4





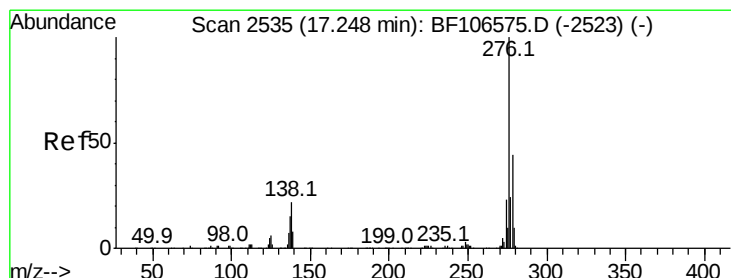
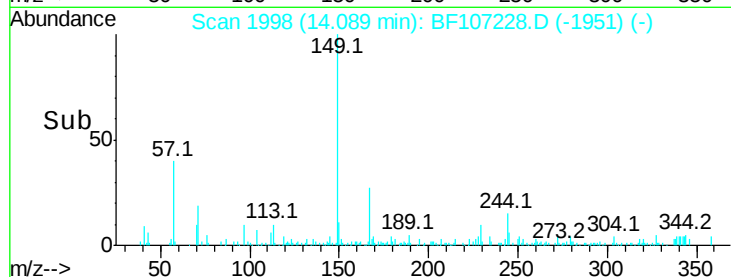
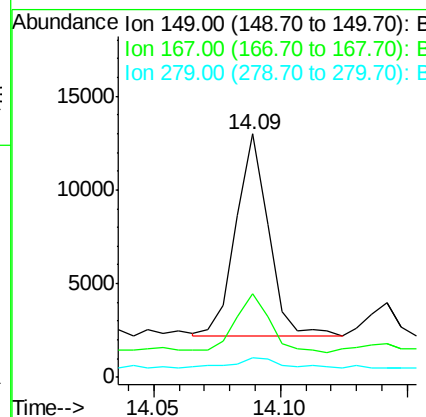
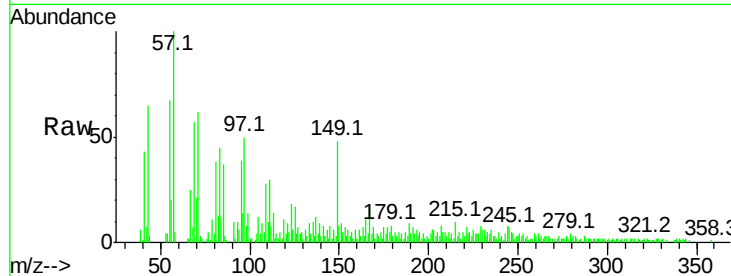
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.541 ng
RT: 14.09 min Scan# 1998
Delta R.T. -0.02 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-25RE

Tot Ion	Ratio	Lower	Upper
149	100		
167	34.1	21.3	31.9#
279	7.8	3.0	4.4#

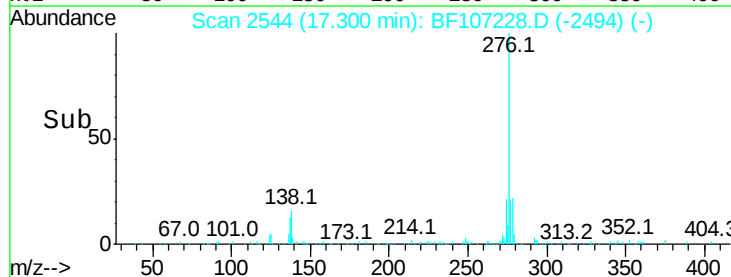
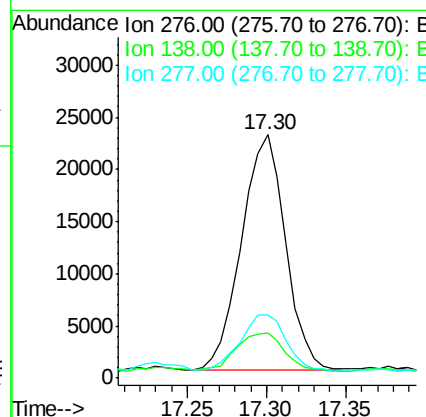
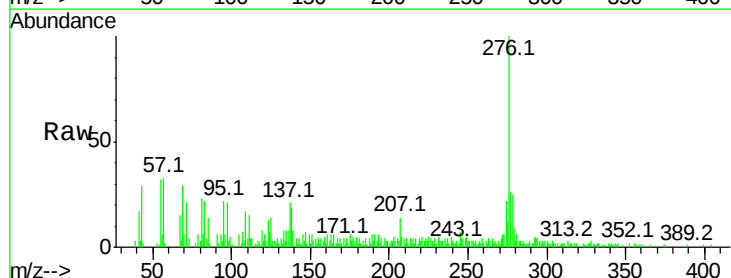
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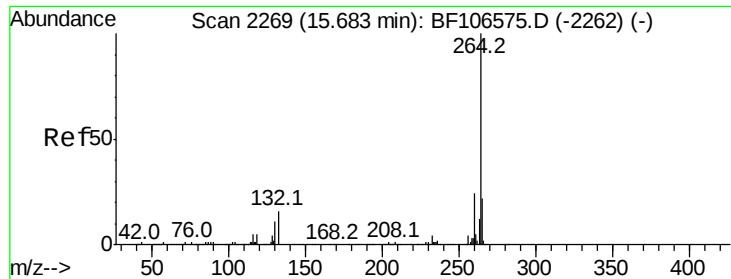
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.404 ng
RT: 17.30 min Scan# 2544
Delta R.T. -0.01 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.8	25.0	37.6#
277	25.5	20.1	30.1





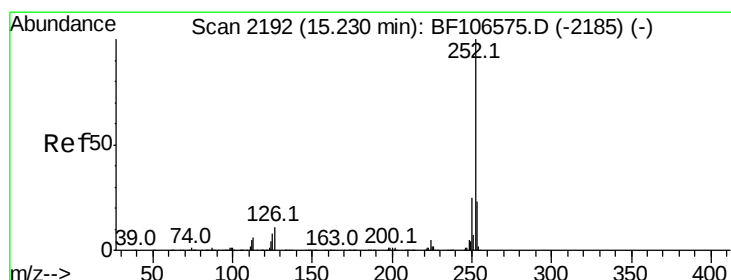
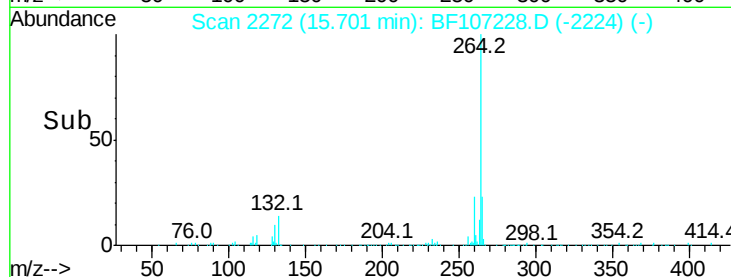
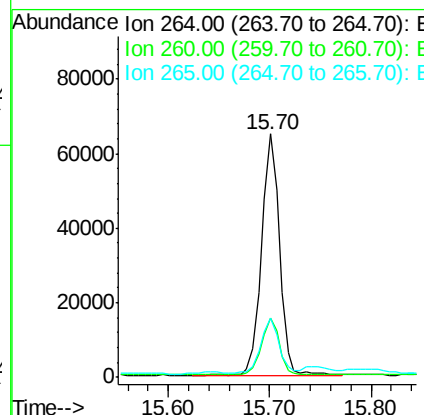
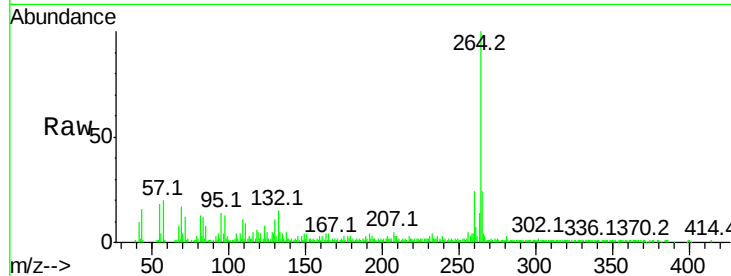
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-25RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	24.2	17.5	26.3

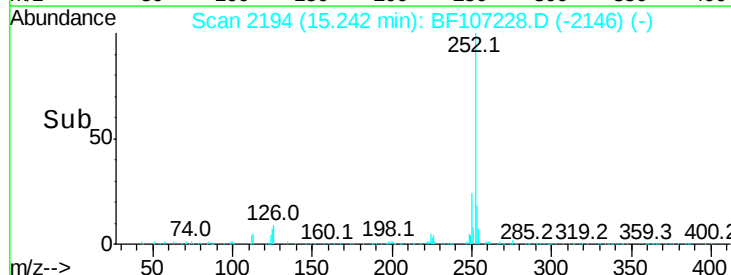
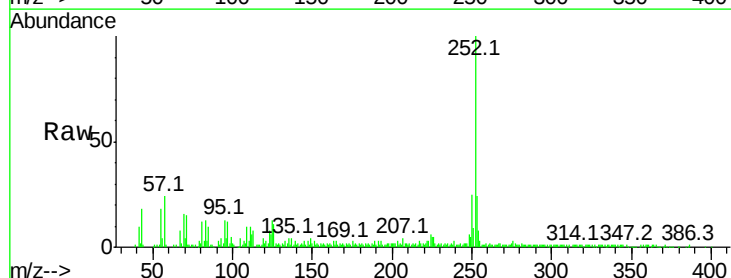
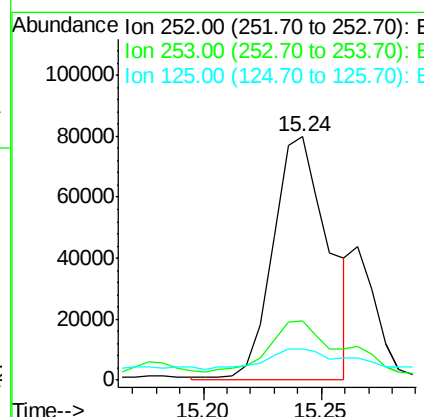
Manual Integrations
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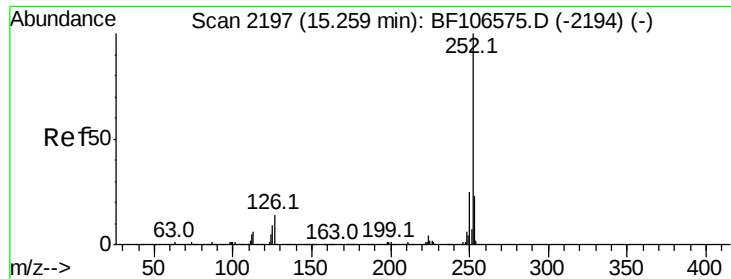
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#87
Benzo(b)fluoranthene
Concen: 26.262 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	13.0	9.0	13.6





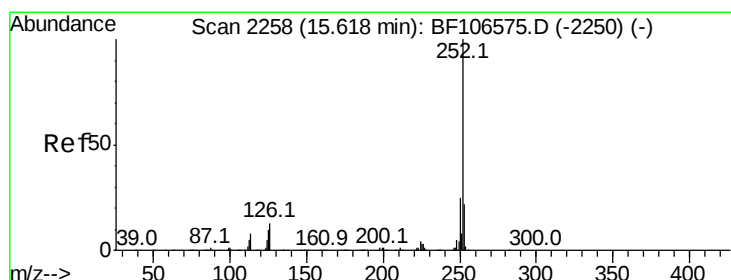
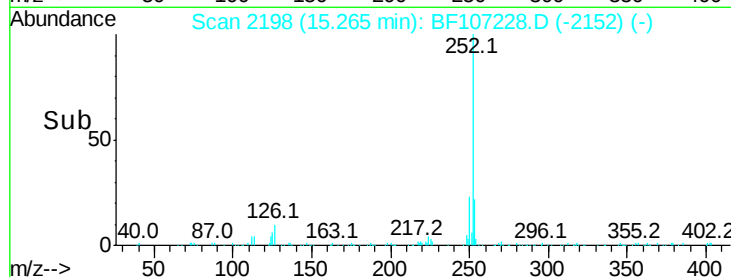
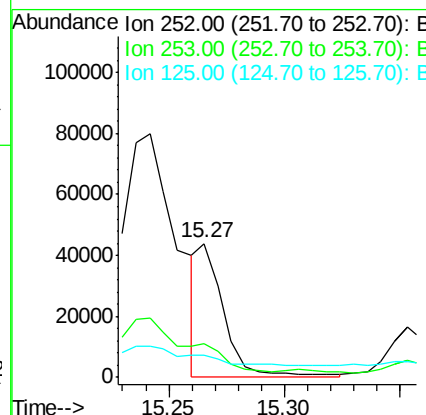
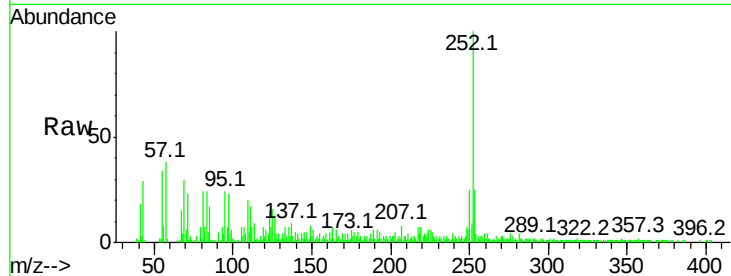
#88
Benzo(k)fluoranthene
Concen: 7.256 ng m
RT: 15.27 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-25RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	16.4	10.2	15.2

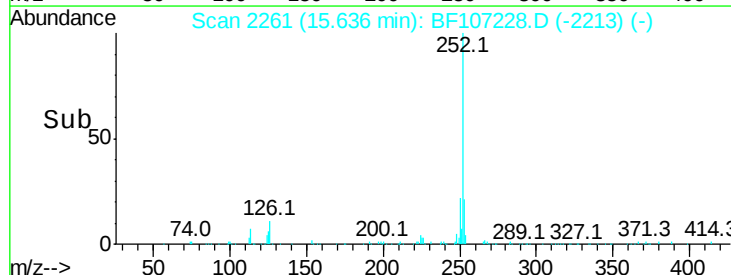
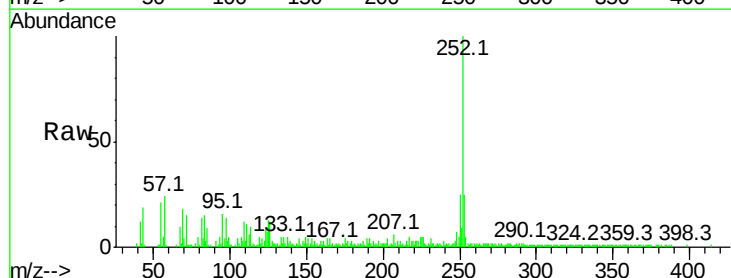
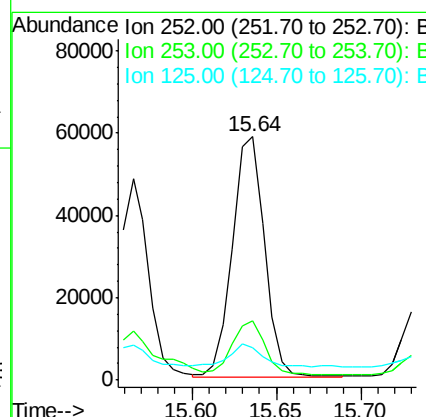
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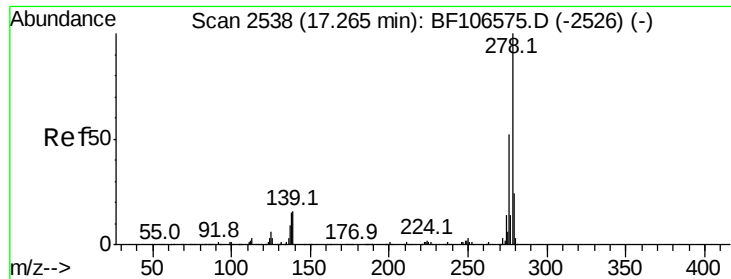
Sohil
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#89
Benzo(a)pyrene
Concen: 17.315 ng
RT: 15.64 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	13.4	9.8	14.6





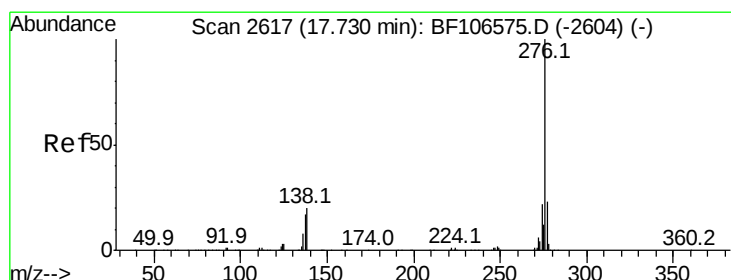
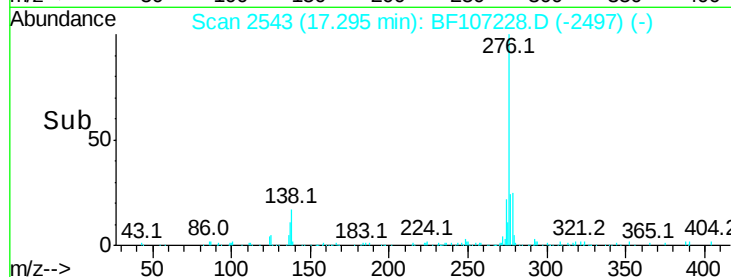
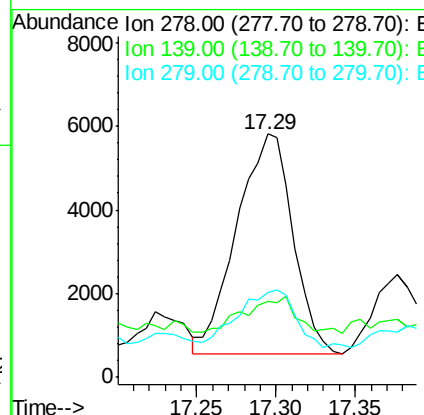
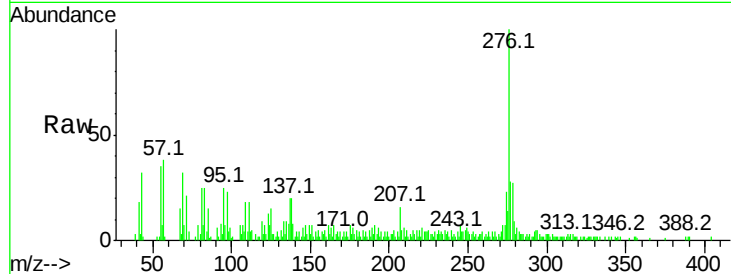
#90
Dibenzo(a,h)anthracene
Concen: 3.439 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.03 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-25RE

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.0	15.9	23.9#
279	35.0	19.0	28.4#

Manual Integrations
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7/10/2018 2:46:19 PM



#91
Benzo(g,h,i)perylene
Concen: 11.955 ng
RT: 17.79 min Scan# 2627
Delta R.T. -0.00 min
Lab File: BF107228.D
Acq: 9 Jul 2018 15:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.8	17.9	26.9#
138	21.8	21.8	32.8#

