

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
 Data File : BF107211.D
 Acq On : 7 Jul 2018 17:20
 Operator : JU/SJ
 Sample : J3879-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-2

Manual Integrations
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 7/9/2018 2:06:38 PM

Quant Time: Jul 09 04:42:44 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	58299	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	206529	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	91358	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	176719	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	145481	20.00	ng	-0.02
86) Perylene-d12	15.69	264	106891	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	350132	101.70	ng	0.00
7) Phenol-d6	6.60	99	424800	98.80	ng	-0.01
23) Nitrobenzene-d5	7.51	82	255058	68.63	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	114811	108.43	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	460082	85.29	ng	-0.02
78) Terphenyl-d14	13.07	244	538725	89.70	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.61	94	10490	2.138	ng	90
15) Benzyl Alcohol	7.09	79	32307	9.358	ng	97
31) Naphthalene	8.25	128	22694	2.350	ng	99
49) Dimethylphthalate	9.70	163	137472	20.063	ng	98
54) Dibenzofuran	10.20	168	16023	2.054	ng	92
57) Fluorene	10.54	166	15639	2.526	ng	# 93
70) Phenanthrene	11.51	178	171870	20.164	ng	99
71) Anthracene	11.57	178	49489	5.688	ng	97
72) Carbazole	11.72	167	19654	2.413	ng	99
73) Di-n-butylphthalate	12.03	149	30215	3.149	ng	99
74) Fluoranthene	12.71	202	294251	31.321	ng	96
77) Pyrene	12.94	202	271382	28.288	ng	99
80) Benzo(a)anthracene	14.14	228	137740	15.535	ng	98
82) Chrysene	14.17	228	130103	15.949	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	55844	8.067	ng	# 87
87) Benzo(b)fluoranthene	15.23	252	140673m	21.186	ng	
88) Benzo(k)fluoranthene	15.25	252	42941m	6.791	ng	
89) Benzo(a)pyrene	15.62	252	90081	15.261	ng	95
90) Dibenzo(a,h)anthracene	17.28	278	15878	3.174	ng	# 82
91) Benzo(a,h,i)perylene	17.77	276	55639	11.379	ng	# 88

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

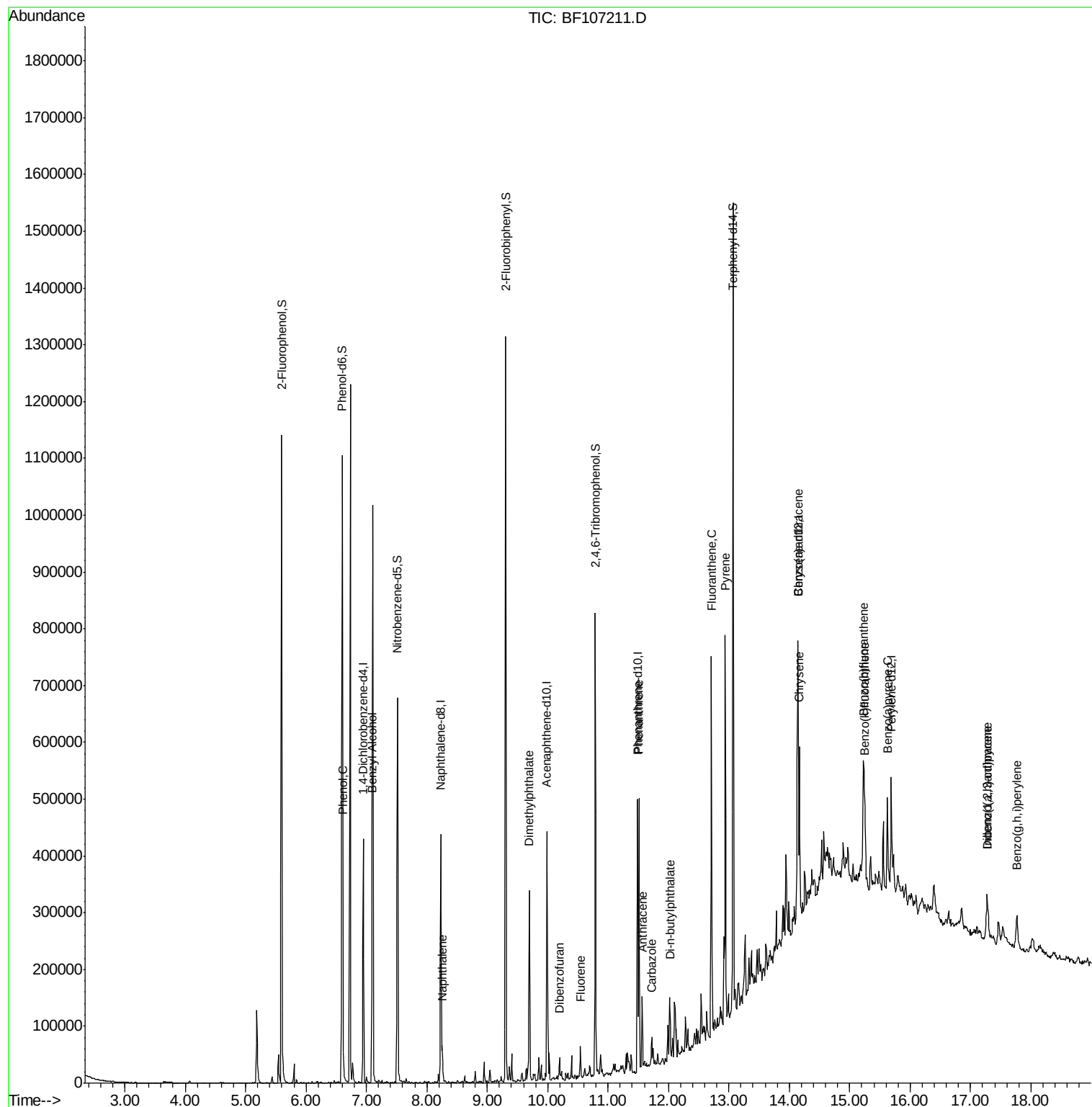
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107211.D
Acq On : 7 Jul 2018 17:20
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Sample : J3879-03
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ALS Vial : 19 Sample Multiplier: 1

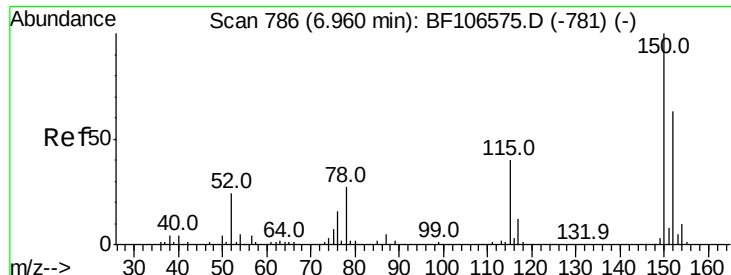
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2

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#1

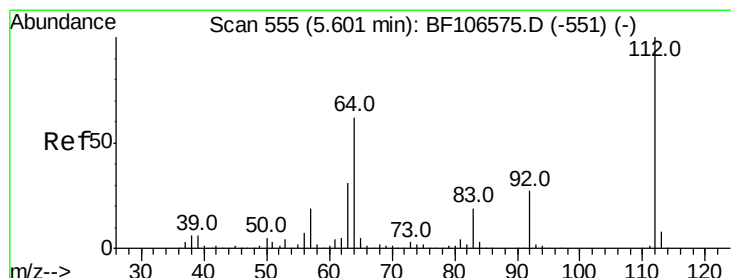
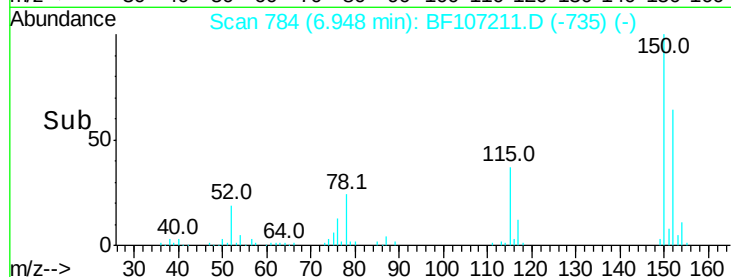
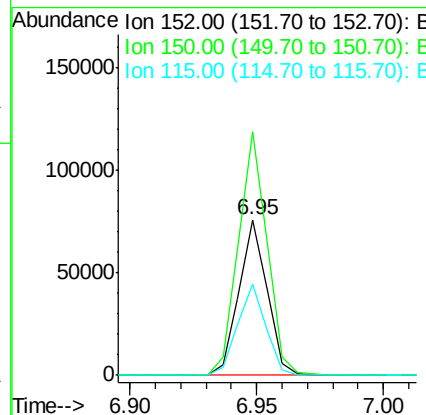
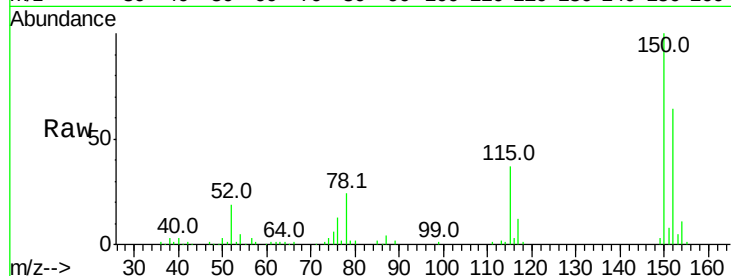
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	58.7	50.1	75.1

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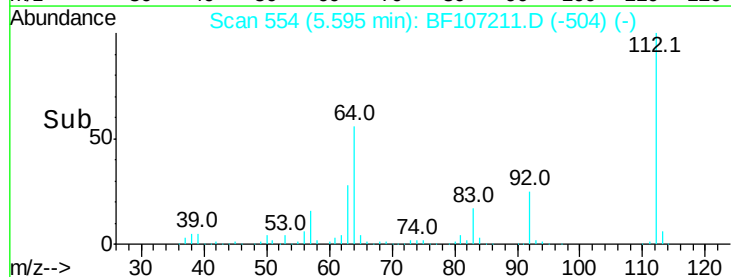
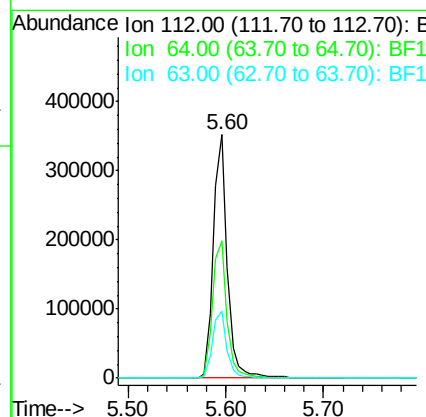
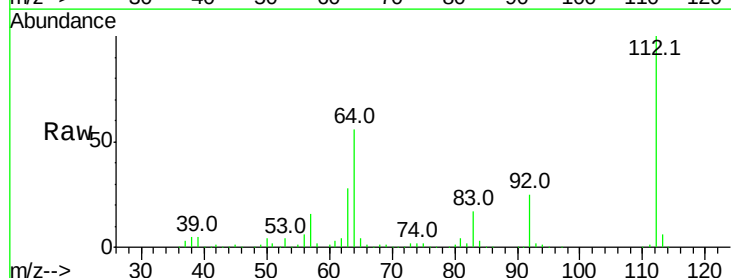
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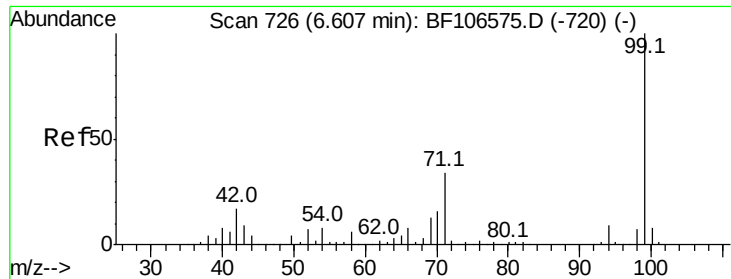


#5

2-Fluorophenol
Concen: 101.697 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.9	71.9
63	27.7	23.7	35.5





#7

Phenol-d6

Concen: 98.802 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107211.D

Acq: 7 Jul 2018 17:20

Instrument :

BNA_F

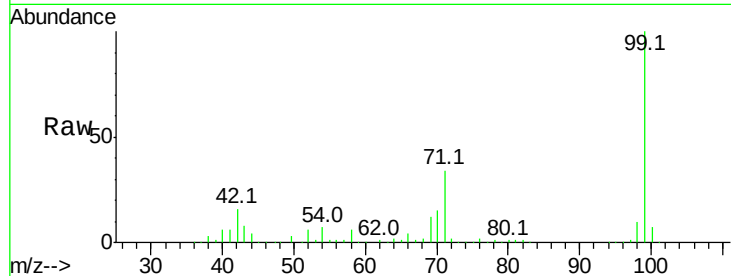
ClientSampleId :

SURCHARGE-SP-2

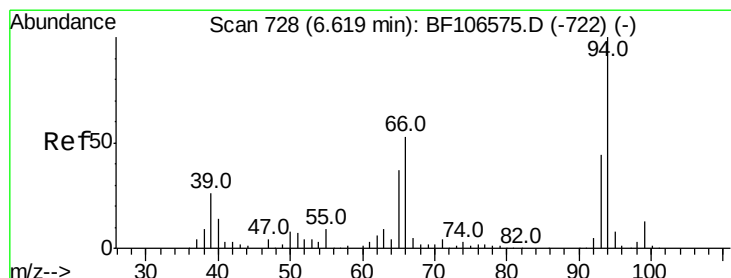
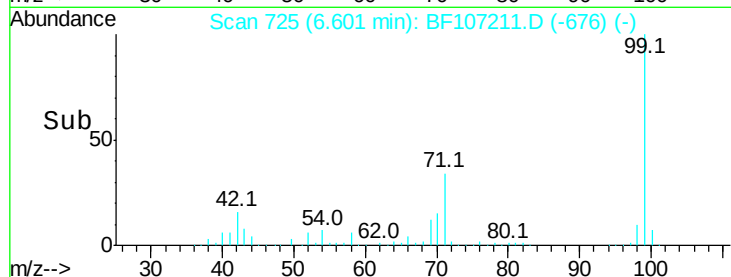
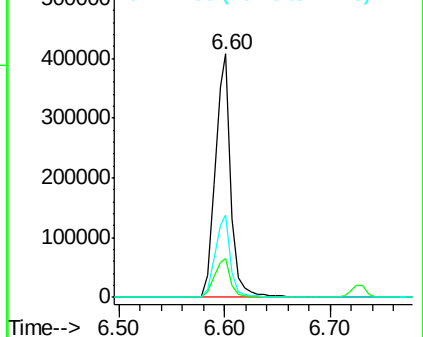
Tot Ion:	99	Resp:	424800
Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.5	21.7
71	33.8	25.4	38.0

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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: 2.138 ng

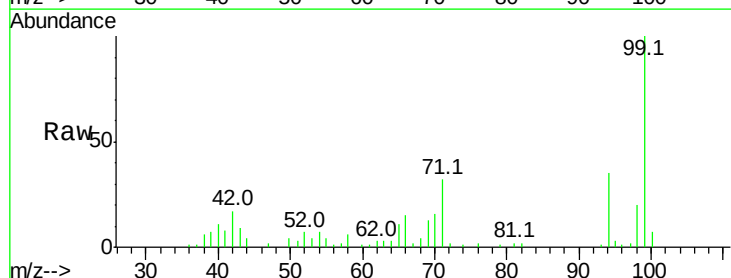
RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

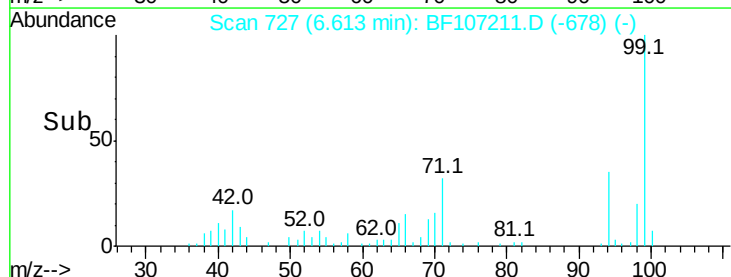
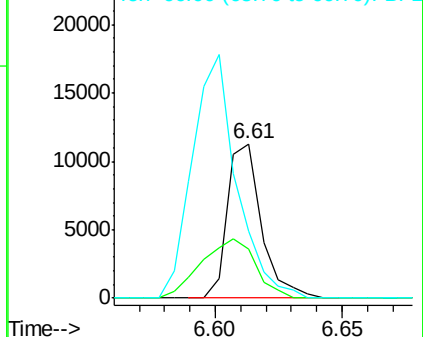
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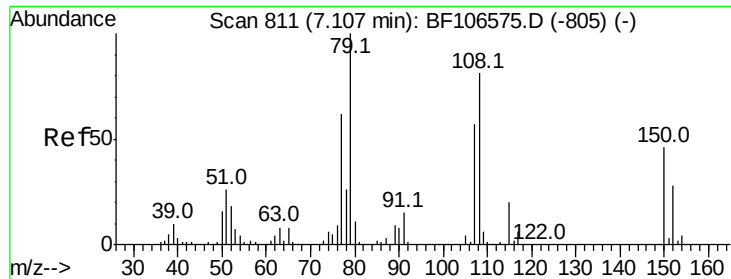
Acq: 7 Jul 2018 17:20

Tgt Ion:	94	Resp:	10490
Ion	Ratio	Lower	Upper
94	100		
65	32.0	7.9	47.9
66	43.6	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





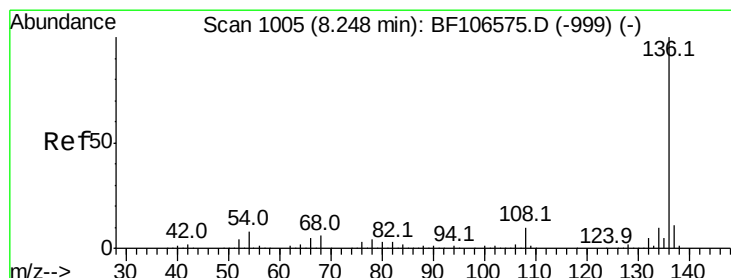
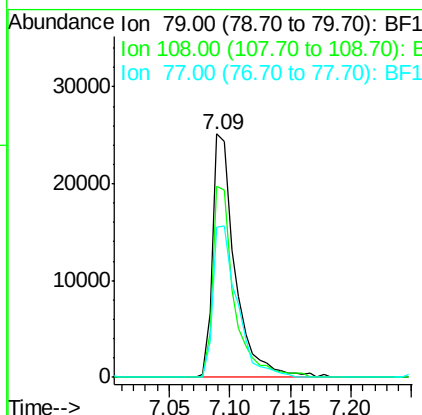
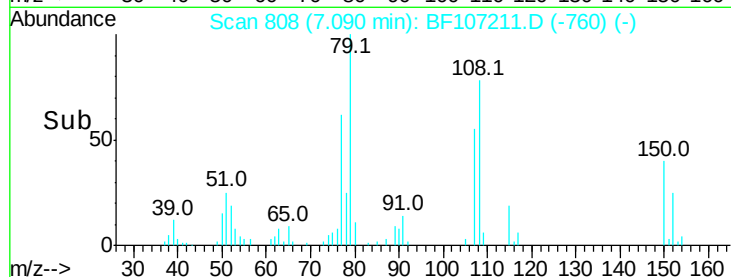
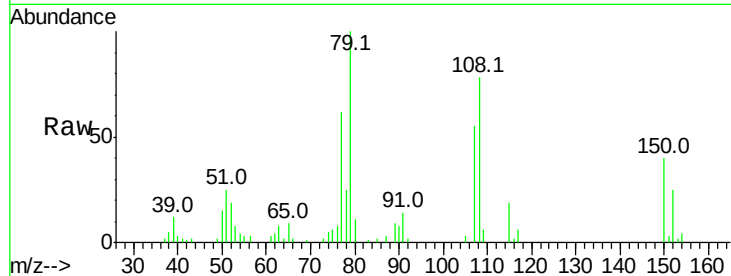
#15
Benzyl Alcohol
Concen: 9.358 ng
RT: 7.09 min Scan# 808
Delta R.T. -0.02 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2

Tot Ion: 79 Resp: 32307
Ion Ratio Lower Upper
79 100
108 78.3 65.1 97.7
77 61.6 50.6 75.8

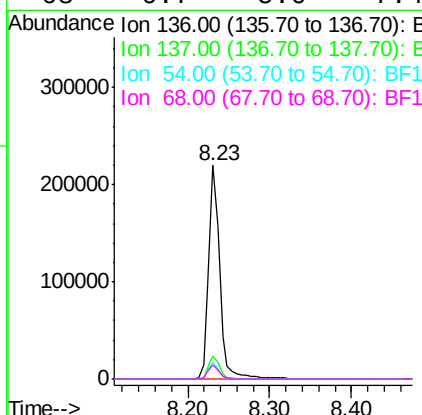
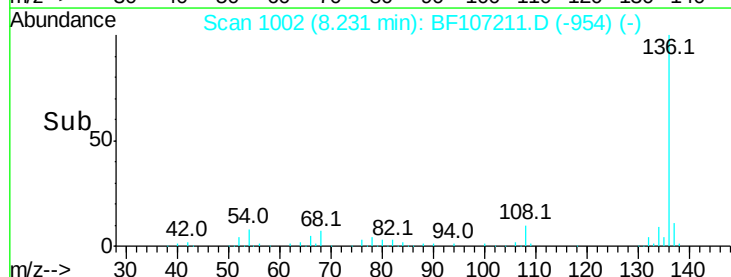
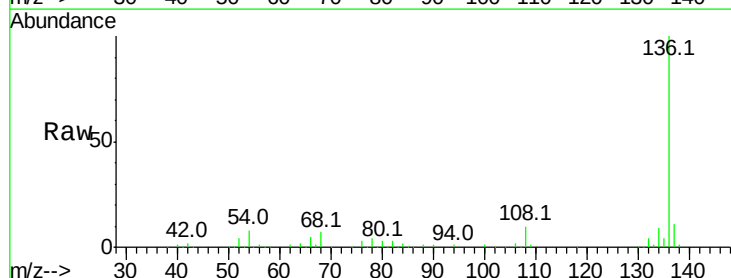
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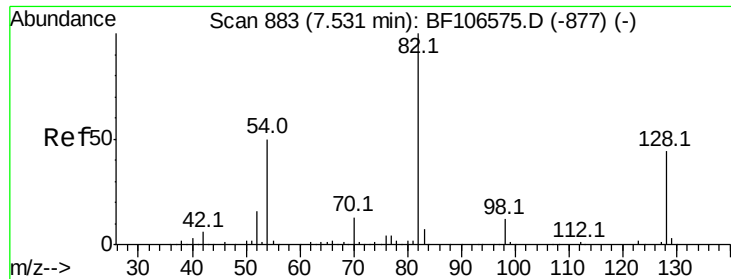
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Tgt Ion: 136 Resp: 206529
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.0 6.6 9.8
68 6.7 5.0 7.4





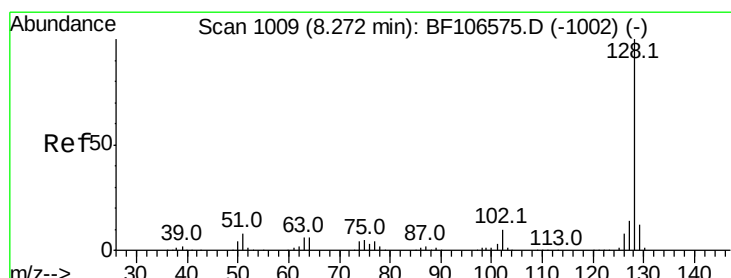
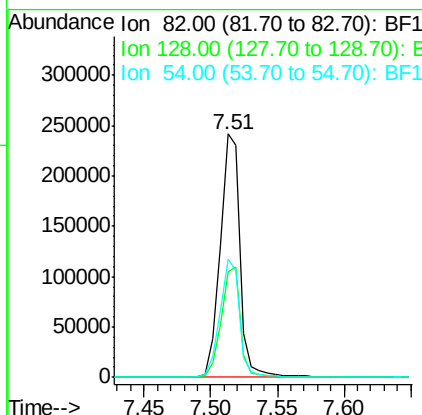
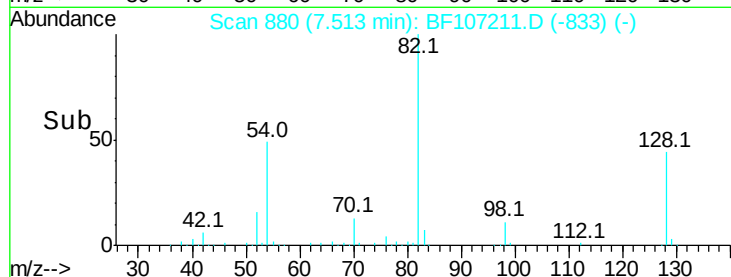
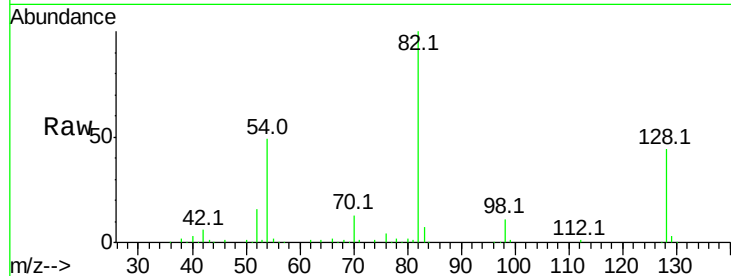
#23
Nitrobenzene-d5
Concen: 68.632 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.5	36.1	54.1
54	48.6	41.4	62.2

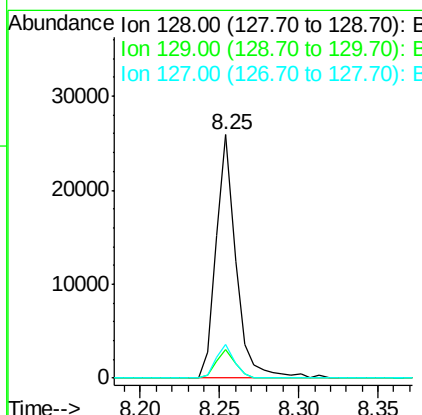
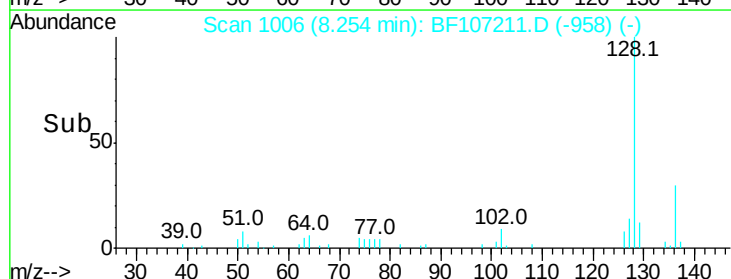
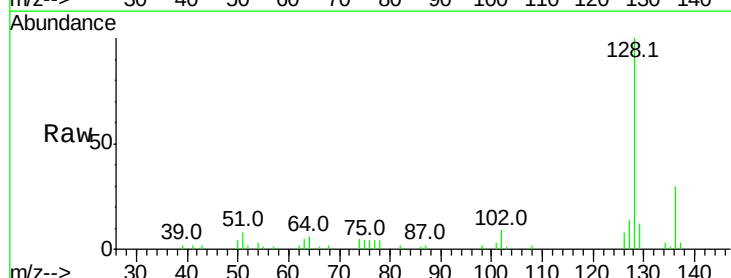
Manual Integrations
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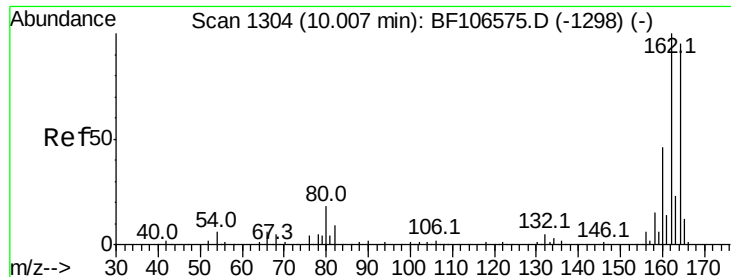
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#31
Naphthalene
Concen: 2.350 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.02 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.8	13.2
127	13.8	10.9	16.3





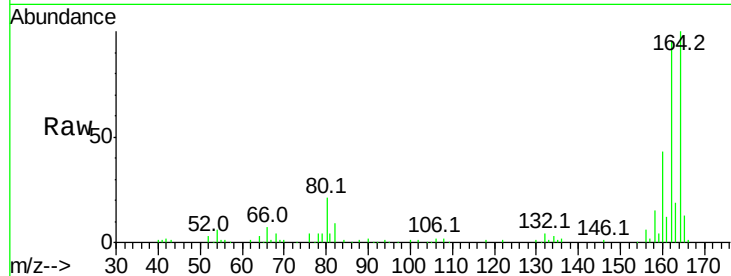
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107211.D
 Acq: 7 Jul 2018 17:20

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-2

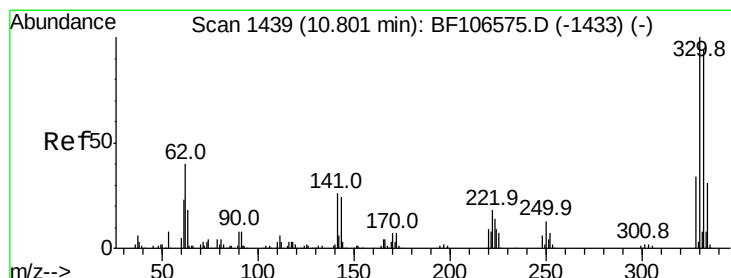
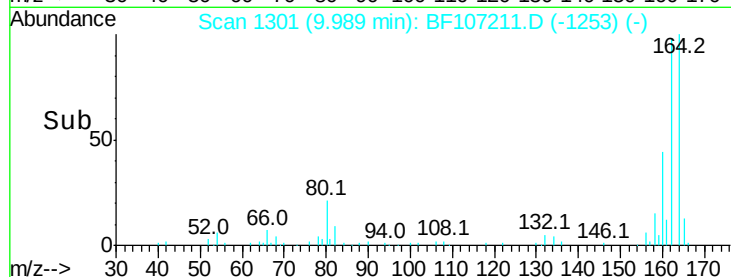
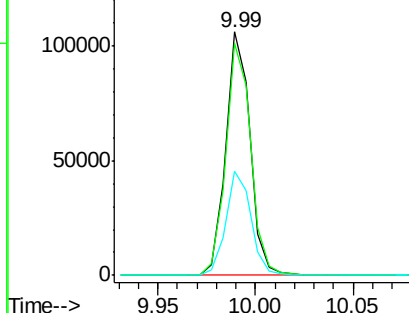
Tot Ion	Ratio	Lower	Upper
164	100		
162	95.4	86.1	129.1
160	42.7	38.3	57.5

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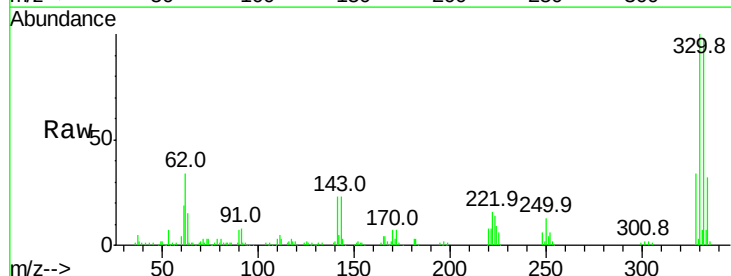


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

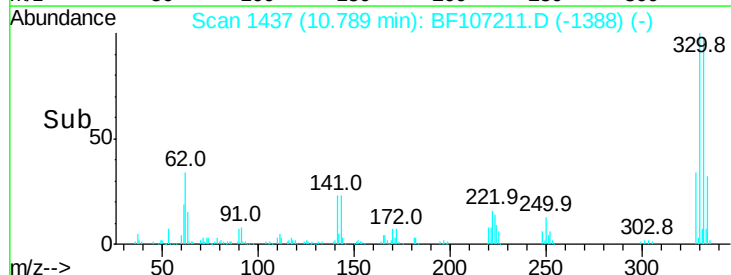
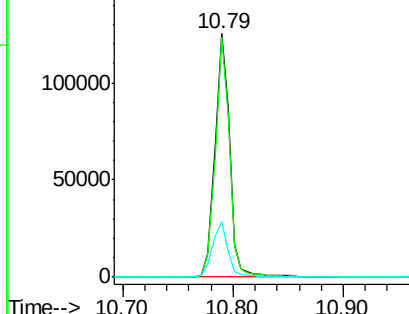


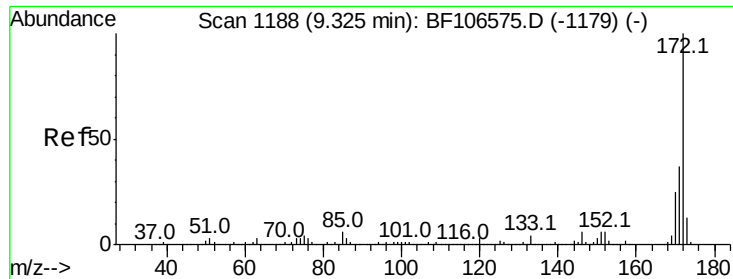
#41
 2,4,6-Tribromophenol
 Concen: 108.428 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107211.D
 Acq: 7 Jul 2018 17:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	24.1	29.9	44.9#



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





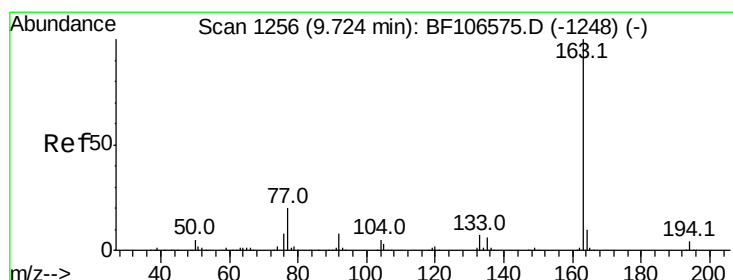
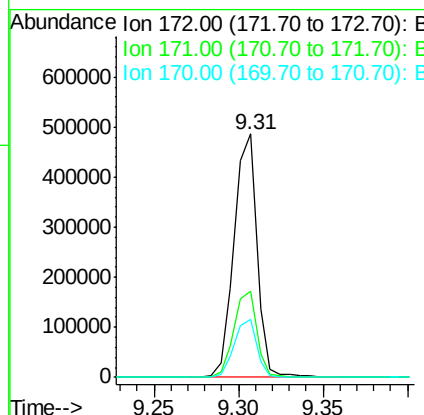
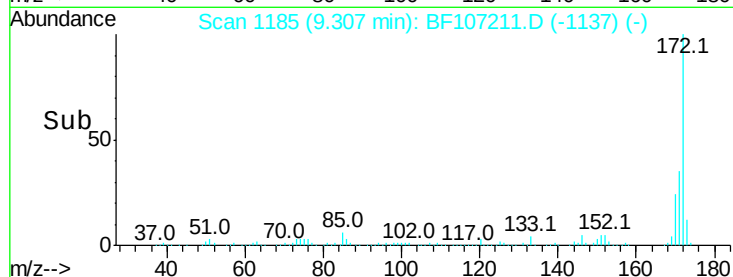
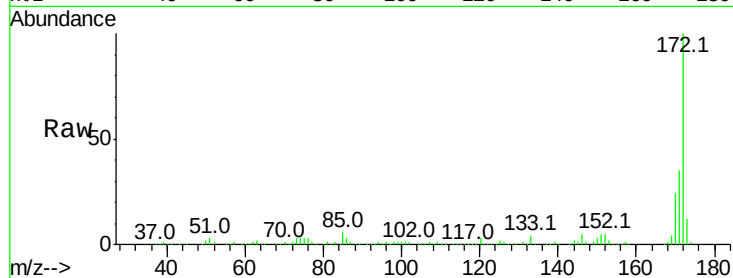
#44
2-Fluorobiphenyl
Concen: 85.292 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	24.0	19.6	29.4

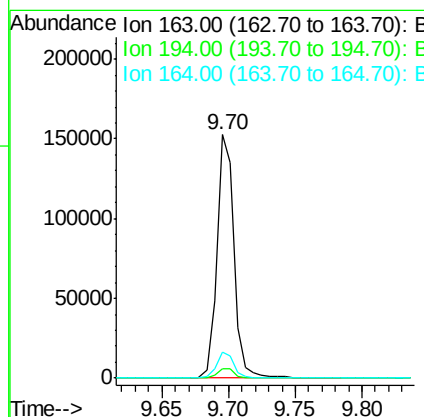
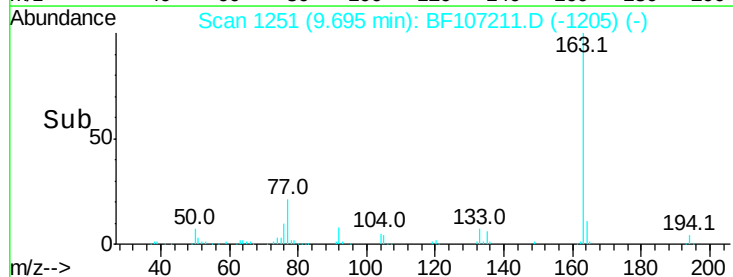
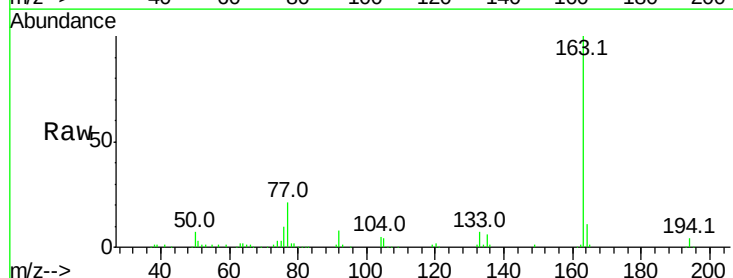
Manual Integrations
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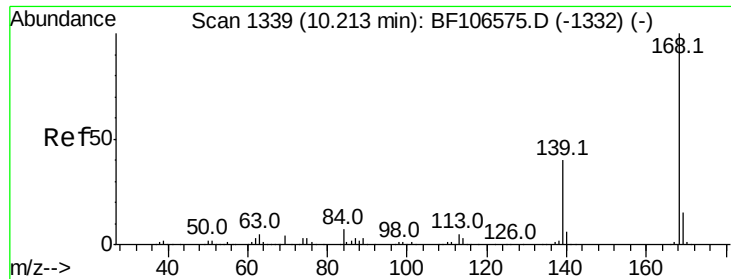
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#49
Dimethylphthalate
Concen: 20.063 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.9	8.2	12.2





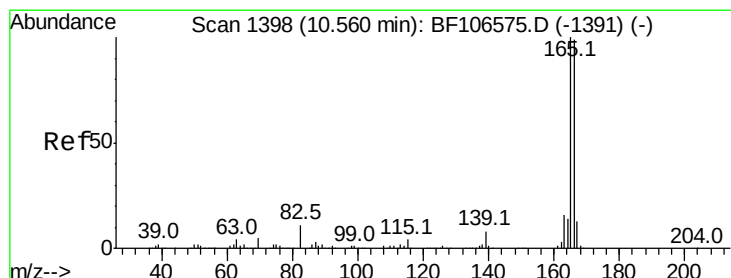
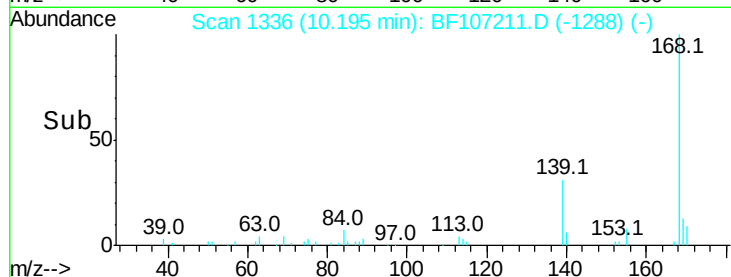
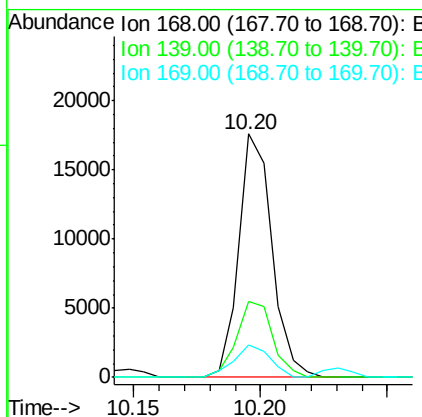
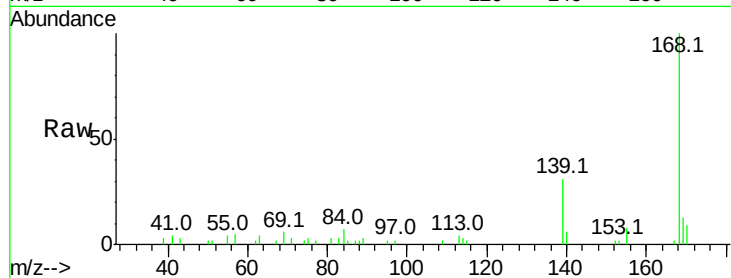
#54
Dibenzenofuran
Concen: 2.054 ng
RT: 10.20 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2

Tot Ion	Ratio	Lower	Upper
168	100		
139	31.3	30.1	45.1
169	13.4	10.9	16.3

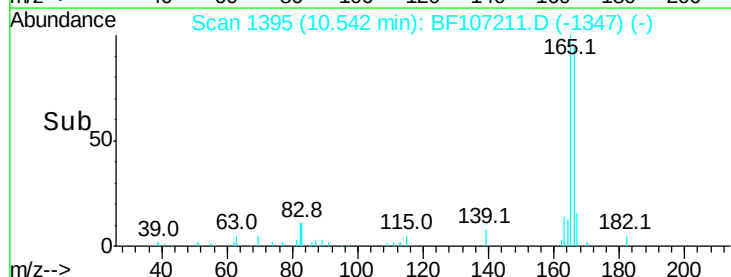
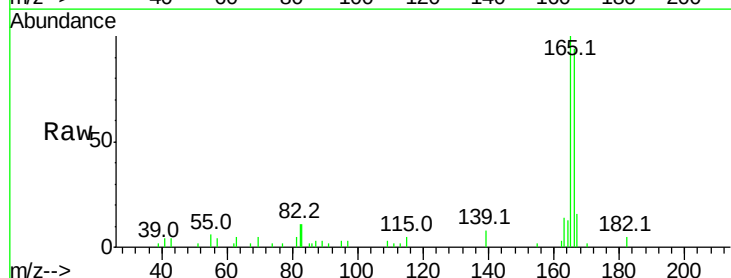
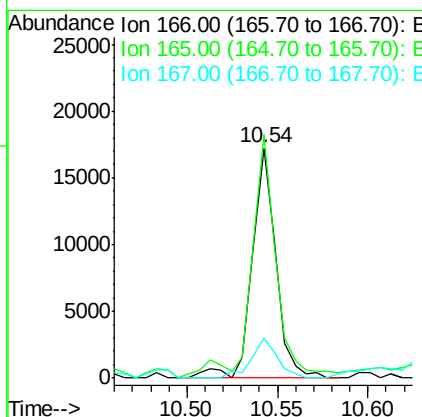
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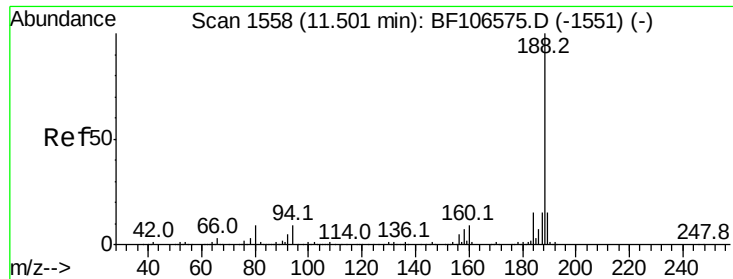
Sohil
7/9/2018 2:06:38 PM



#57
Fluorene
Concen: 2.526 ng
RT: 10.54 min Scan# 1395
Delta R.T. -0.02 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.0	79.8	119.8
167	17.2	10.6	16.0#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF107211.D

Acq: 7 Jul 2018 17:20

Instrument :

BNA_F

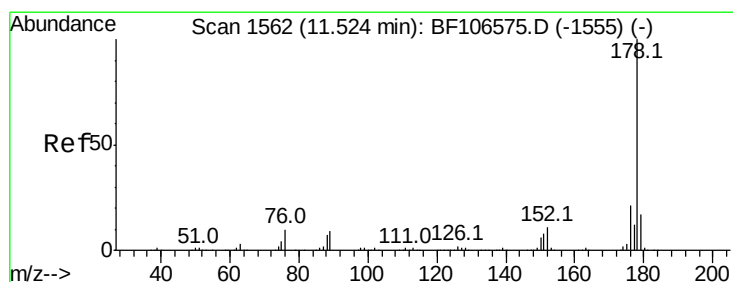
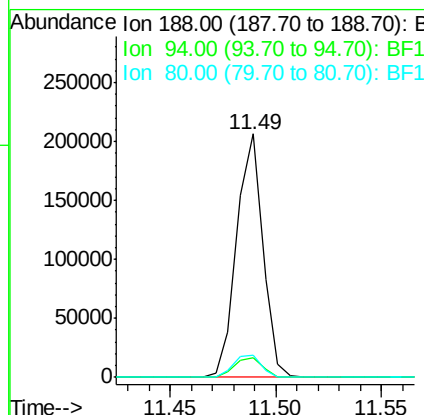
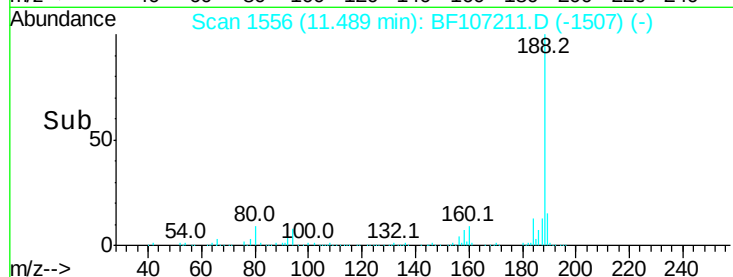
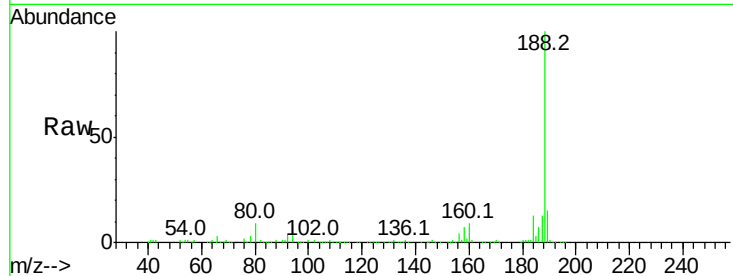
ClientSampleId :

SURCHARGE-SP-2

Tot Ion:	188	Resp:	176719
Ion Ratio	Lower	Upper	
188	100		
94	8.1	8.5	12.7#
80	8.9	9.2	13.8#

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#70

Phenanthrene

Concen: 20.164 ng

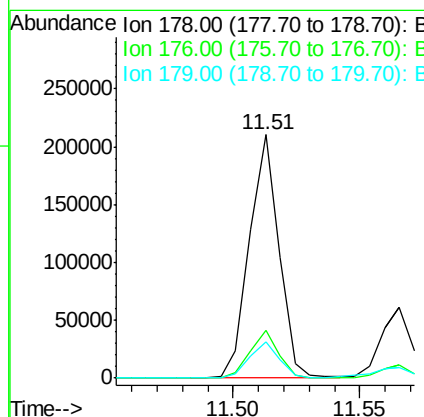
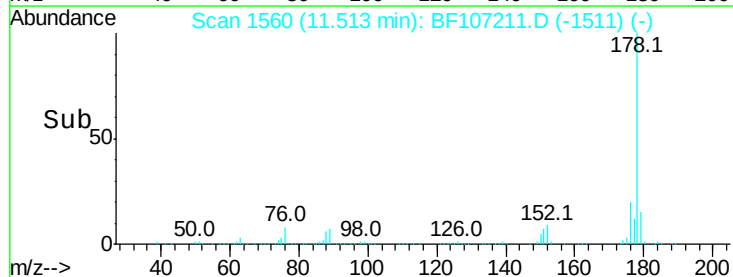
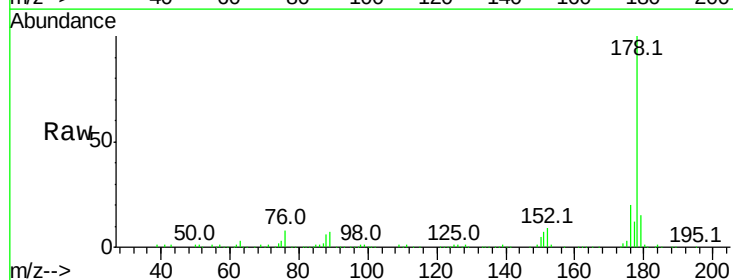
RT: 11.51 min Scan# 1560

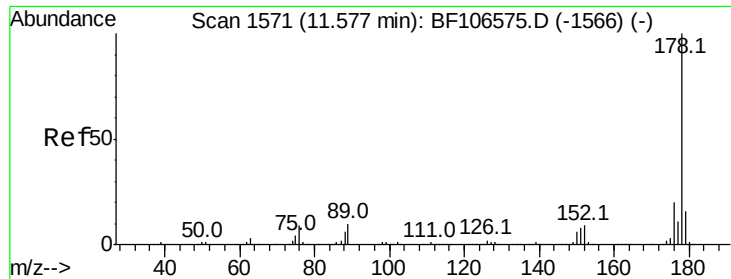
Delta R.T. -0.01 min

Lab File: BF107211.D

Acq: 7 Jul 2018 17:20

Tgt Ion:	178	Resp:	171870
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.8	23.8
179	15.0	13.0	19.6





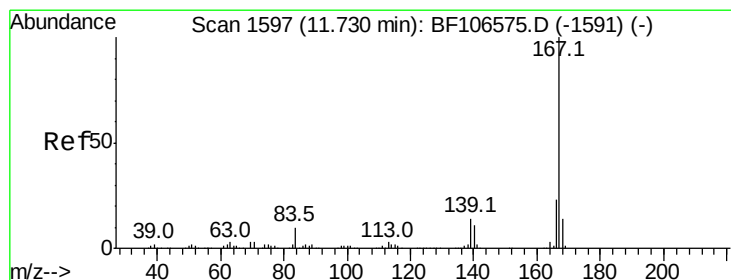
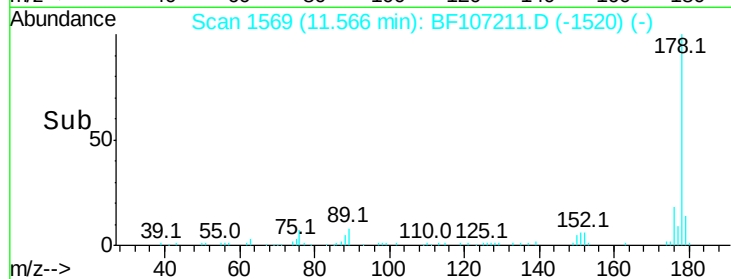
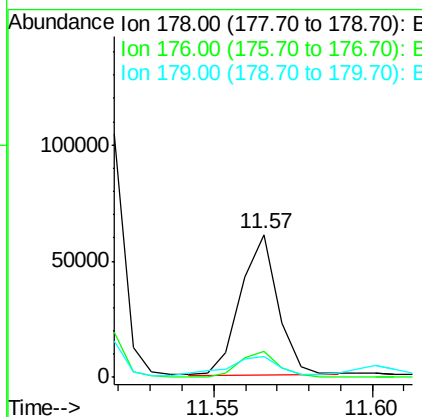
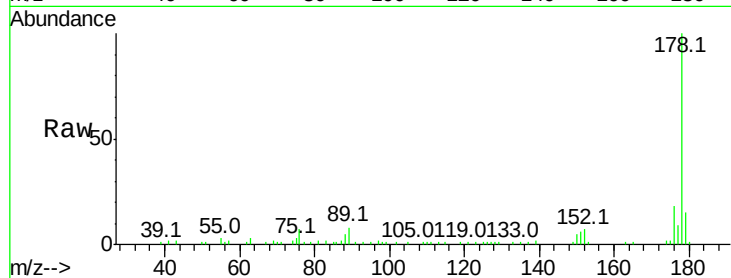
#71
 Anthracene
 Concen: 5.688 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107211.D
 Acq: 7 Jul 2018 17:20

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	14.6	12.6	19.0

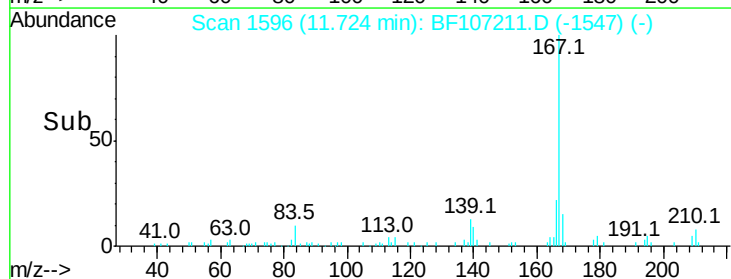
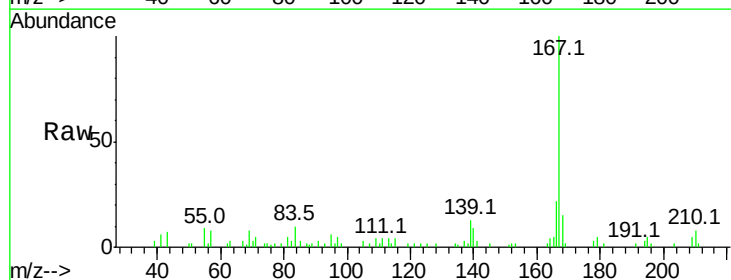
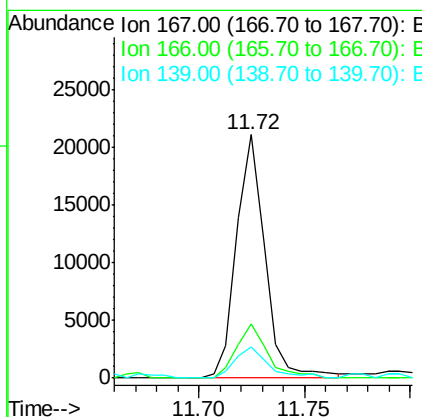
Manual Integrations
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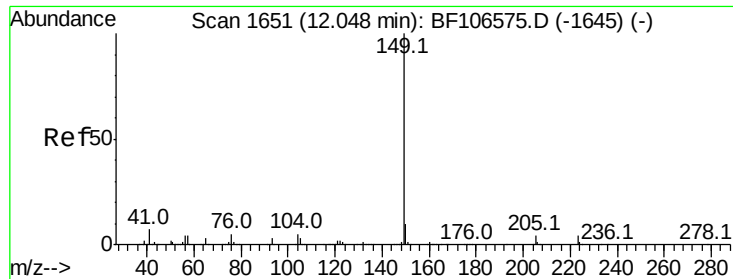
Sohil
 7/9/2018 2:06:38 PM



#72
 Carbazole
 Concen: 2.413 ng
 RT: 11.72 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF107211.D
 Acq: 7 Jul 2018 17:20

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.6	26.4
139	13.0	10.9	16.3





#73

Di-n-butylphthalate

Concen: 3.149 ng

RT: 12.03 min Scan# 1648

Delta R.T. -0.01 min

Lab File: BF107211.D

Acq: 7 Jul 2018 17:20

Instrument :

BNA_F

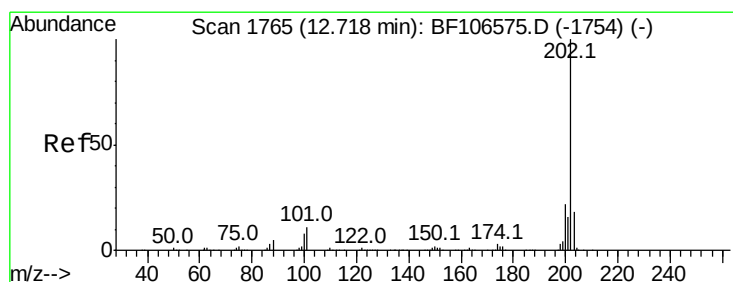
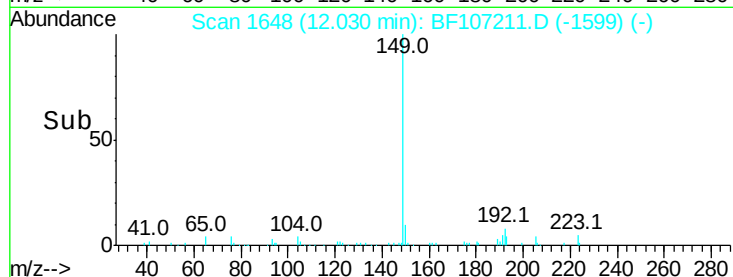
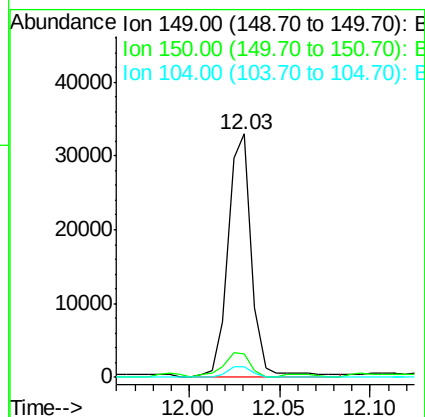
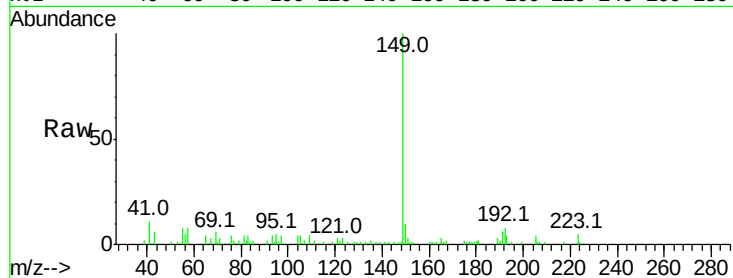
ClientSampleId :

SURCHARGE-SP-2

Tot Ion:	149	Resp:	30215
Ion Ratio	Lower	Upper	
149	100		
150	9.6	7.8	11.6
104	4.3	3.8	5.8

Manual Integrations
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#74

Fluoranthene

Concen: 31.321 ng

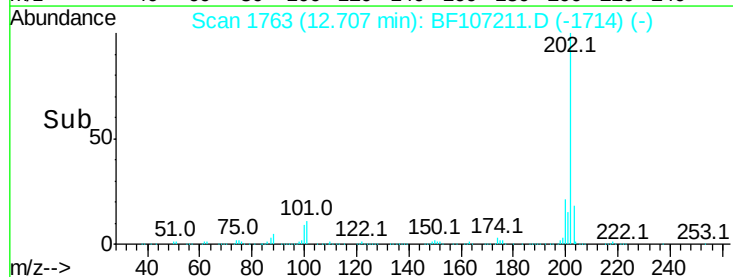
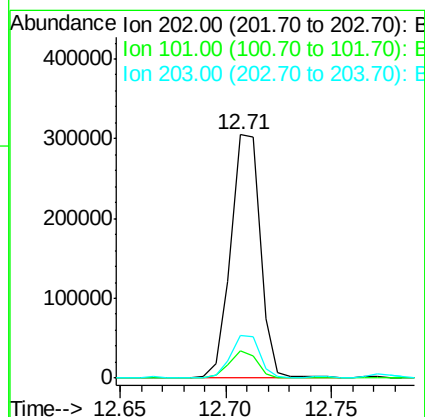
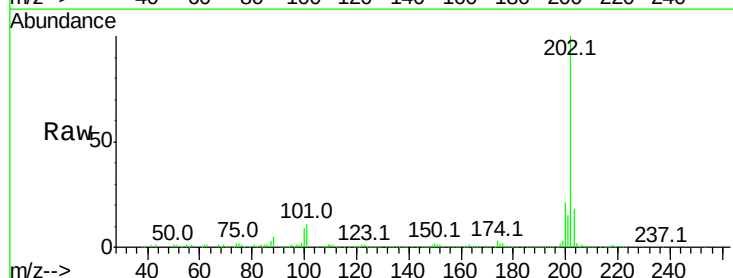
RT: 12.71 min Scan# 1763

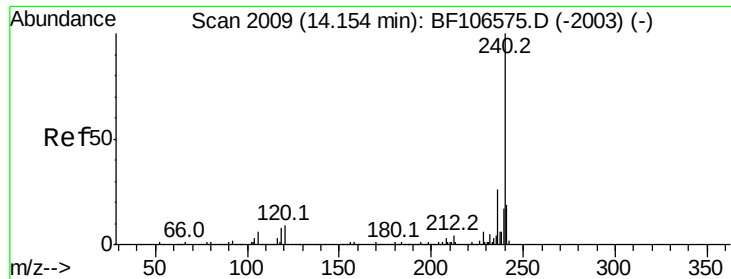
Delta R.T. -0.01 min

Lab File: BF107211.D

Acq: 7 Jul 2018 17:20

Tgt Ion:	202	Resp:	294251
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107211.D

Acq: 7 Jul 2018 17:20

Instrument :

BNA_F

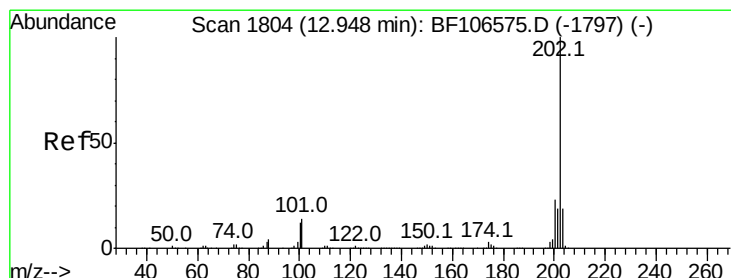
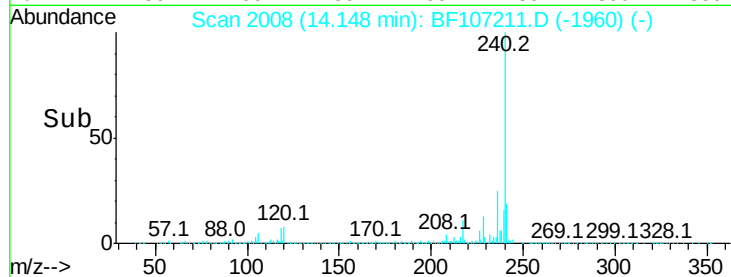
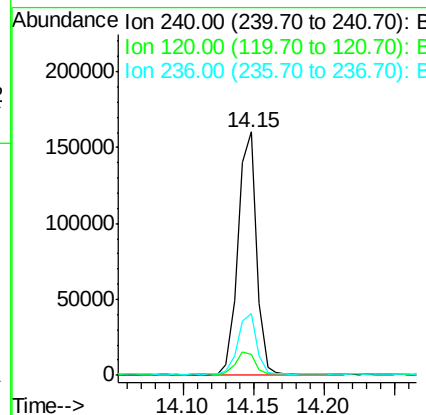
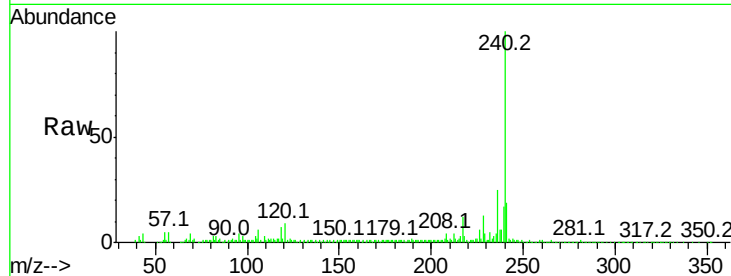
ClientSampleId :

SURCHARGE-SP-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.6	9.5	14.3#
236	25.4	20.7	31.1

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#77

Pyrene

Concen: 28.288 ng

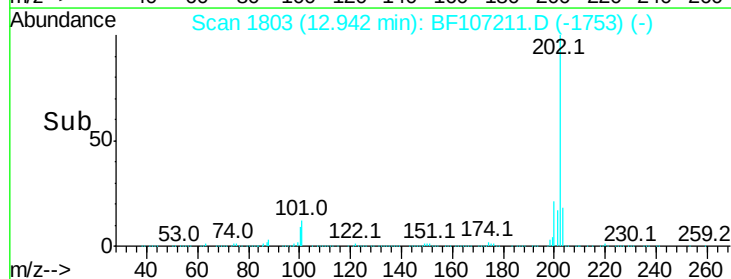
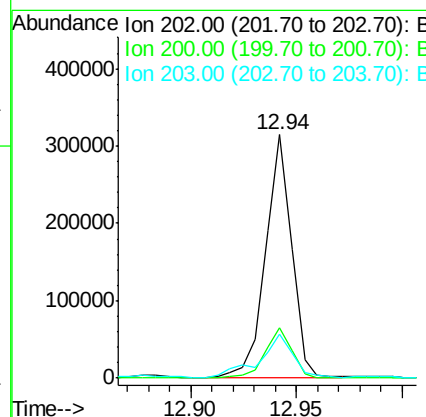
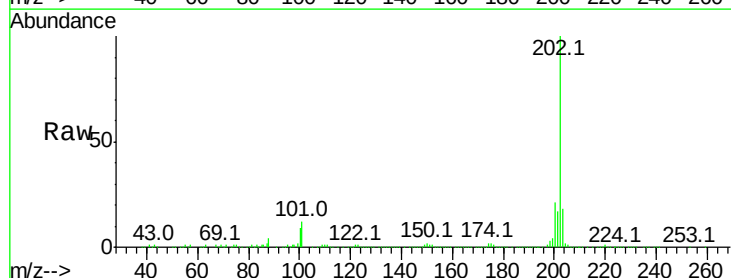
RT: 12.94 min Scan# 1803

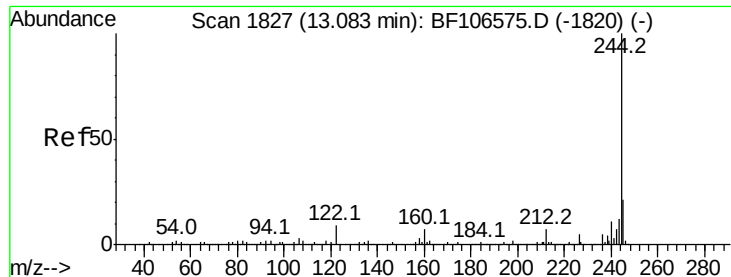
Delta R.T. -0.01 min

Lab File: BF107211.D

Acq: 7 Jul 2018 17:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.9	14.3	21.5





#78

Terphenyl-d14

Concen: 89.699 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107211.D

Acq: 7 Jul 2018 17:20

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-2

Tot Ion:244 Resp: 538725

Ion Ratio Lower Upper

244 100

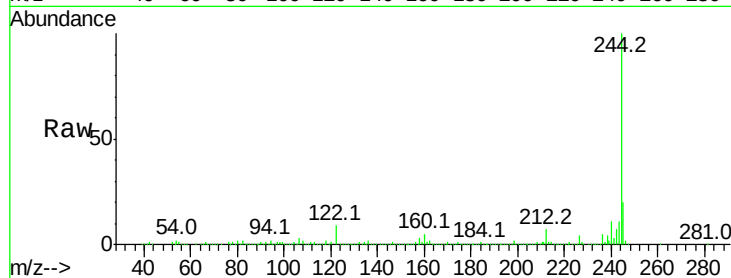
212 6.5 5.4 8.0

122 8.9 11.0 16.4#

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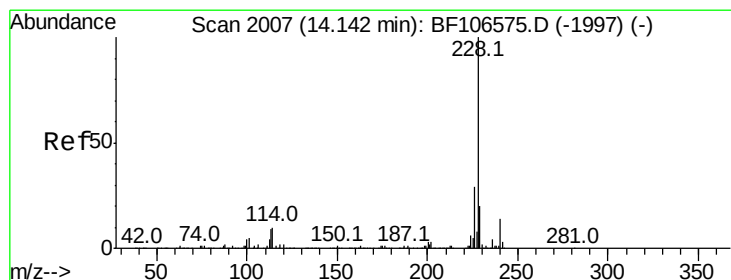
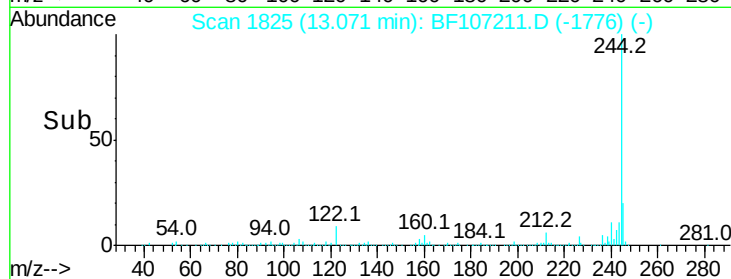
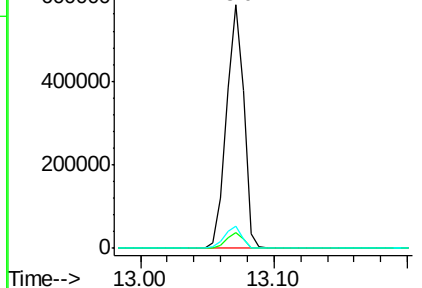


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

13.07



#80

Benzo(a)anthracene

Concen: 15.535 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF107211.D

Acq: 7 Jul 2018 17:20

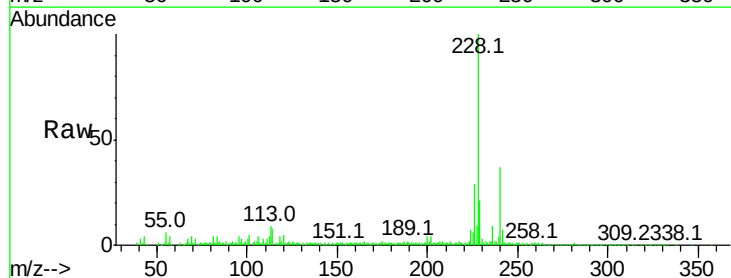
Tgt Ion:228 Resp: 137740

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

229 21.1 15.8 23.6

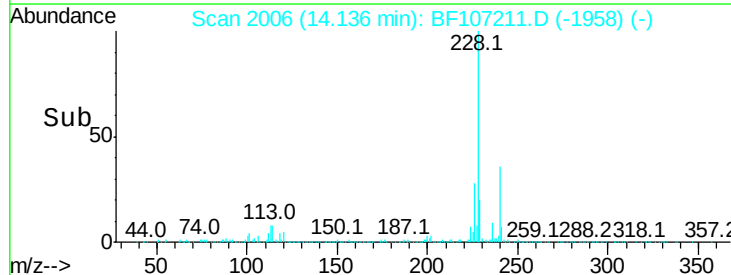
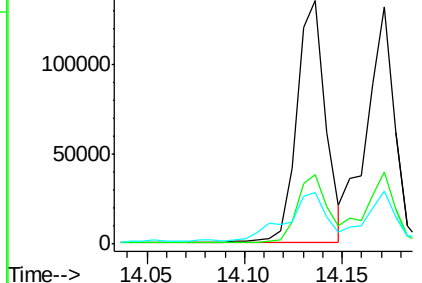


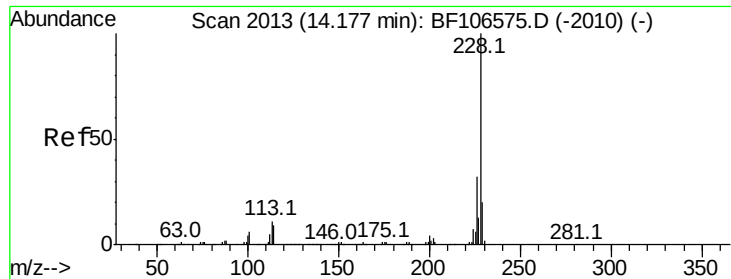
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

14.14





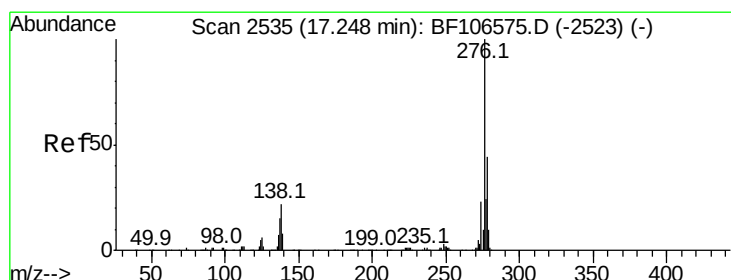
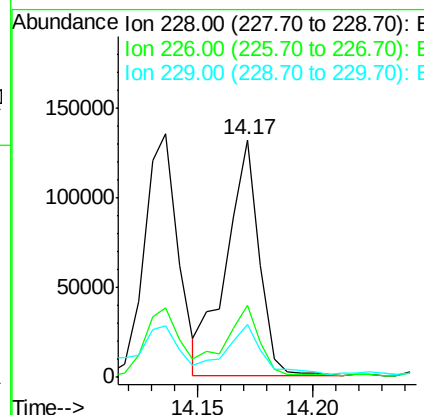
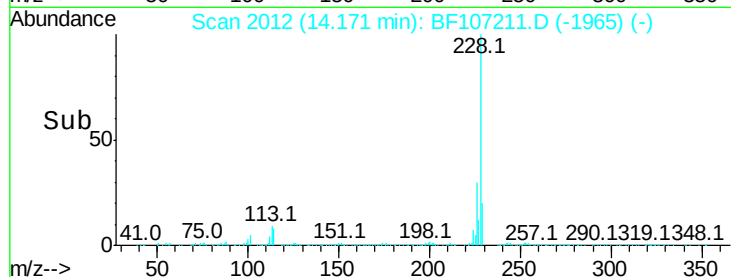
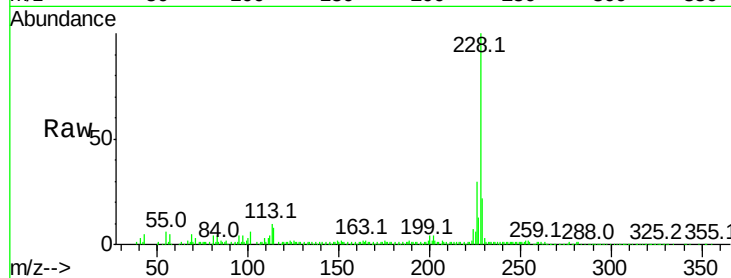
#82
Chrysene
Concen: 15.949 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2

Tot Ion:	228	Resp:	130103
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	22.2	16.2	24.4

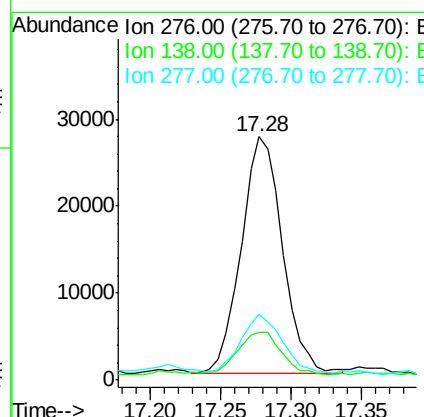
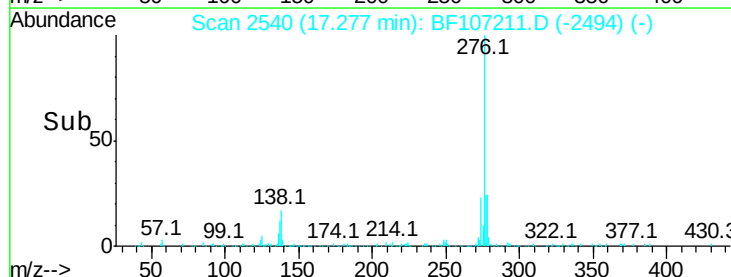
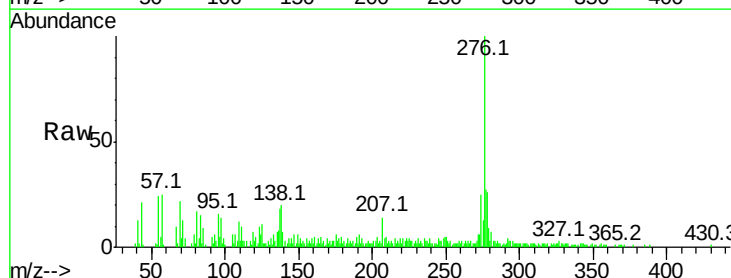
Manual Integrations
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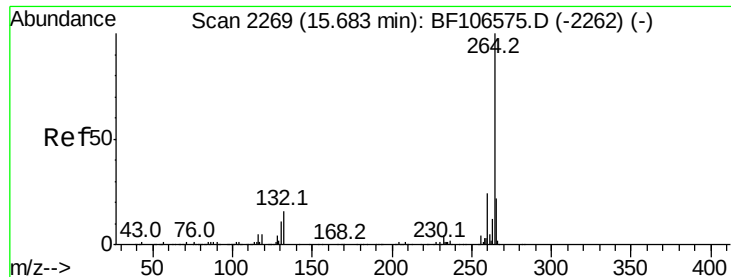
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.067 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.03 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Tgt Ion:	276	Resp:	55844
Ion Ratio	Lower	Upper	
276	100		
138	19.1	25.0	37.6#
277	24.7	20.1	30.1





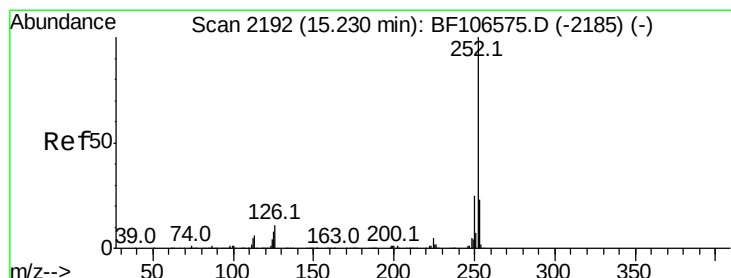
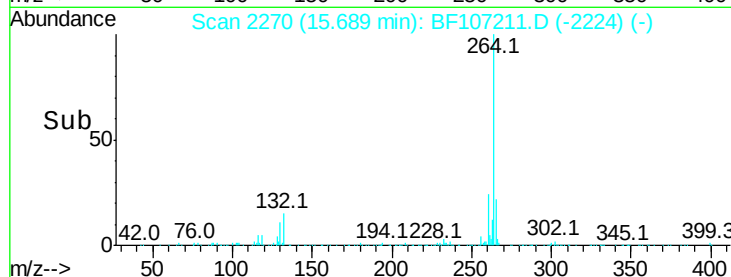
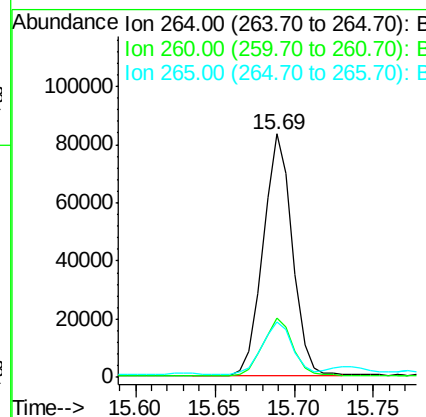
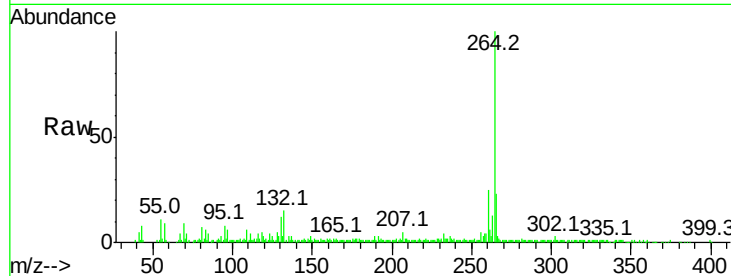
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.03 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.8	17.5	26.3

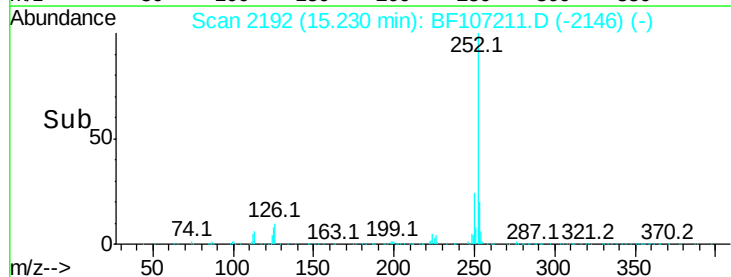
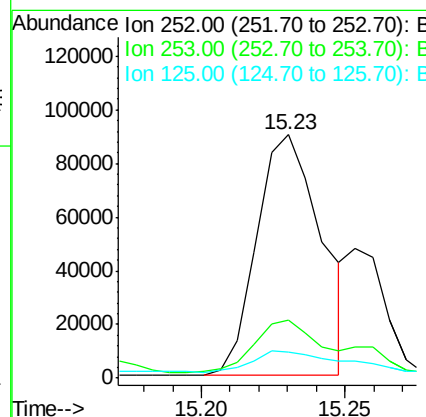
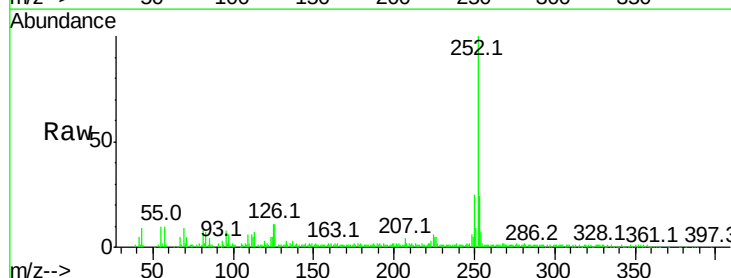
Manual Integrations
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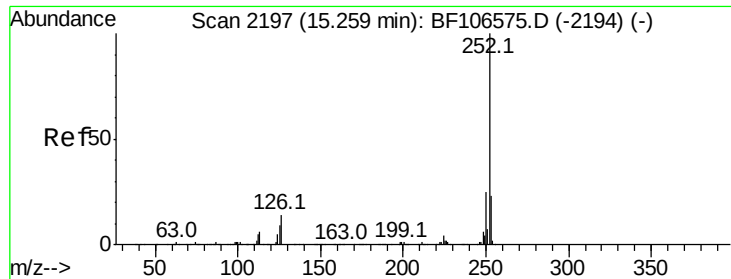
Sohil
7/9/2018 2:06:38 PM



#87
Benzo(b)fluoranthene
Concen: 21.186 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	10.6	9.0	13.6





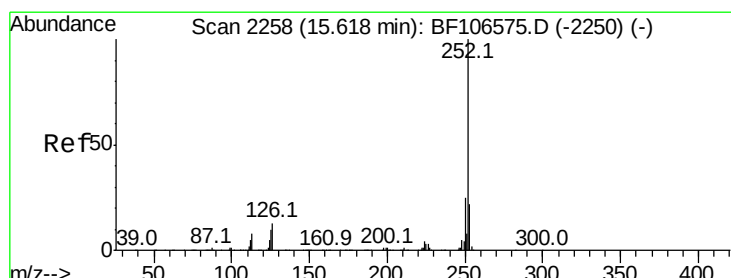
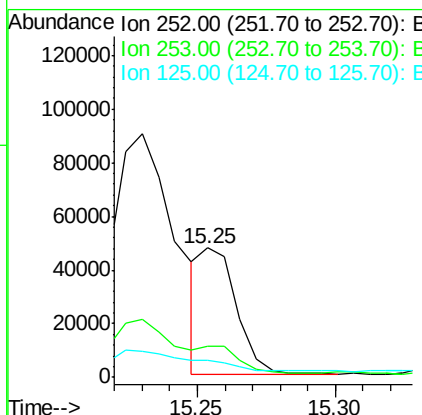
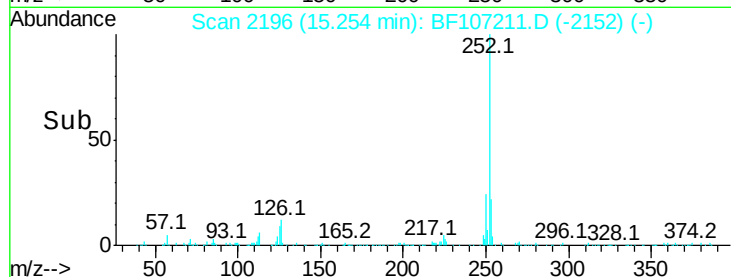
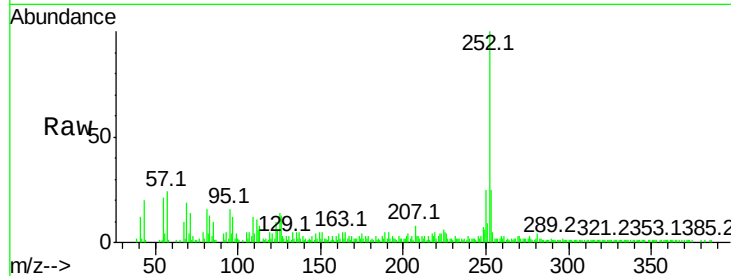
#88
Benzo(k)fluoranthene
Concen: 6.791 ng/mL
RT: 15.25 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2

Tot Ion:	252	Resp:	42941
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.9	26.9
125	13.6	10.2	15.2

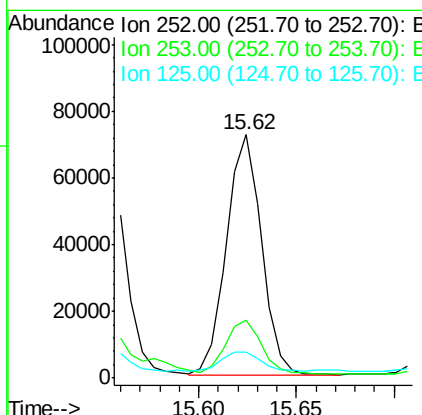
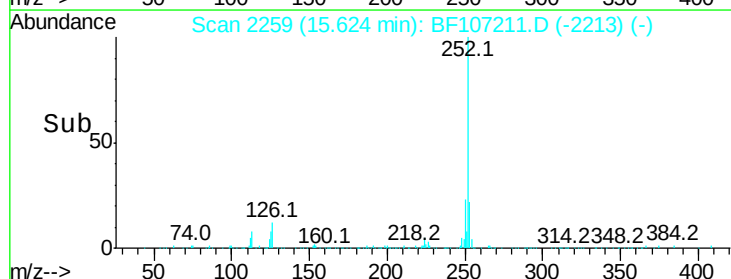
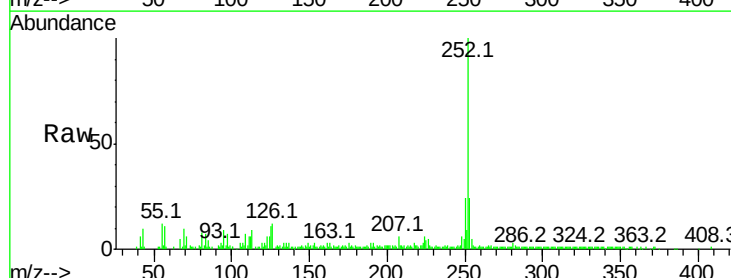
Manual Integrations
APPROVED

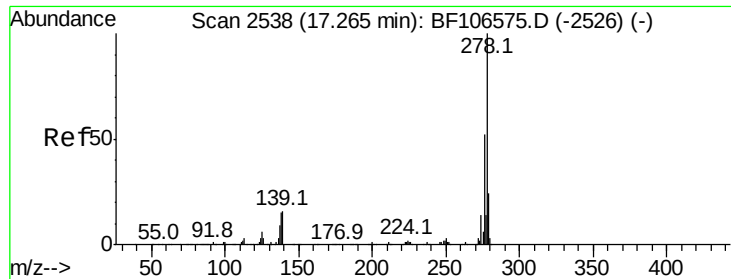
Sohil
7/9/2018 2:06:38 PM



#89
Benzo(a)pyrene
Concen: 15.261 ng/mL
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Tgt Ion:	252	Resp:	90081
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.1	25.7
125	10.9	9.8	14.6





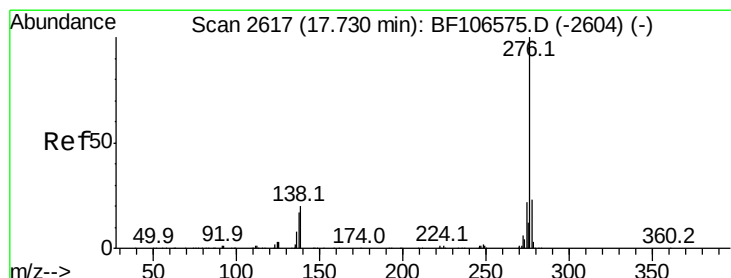
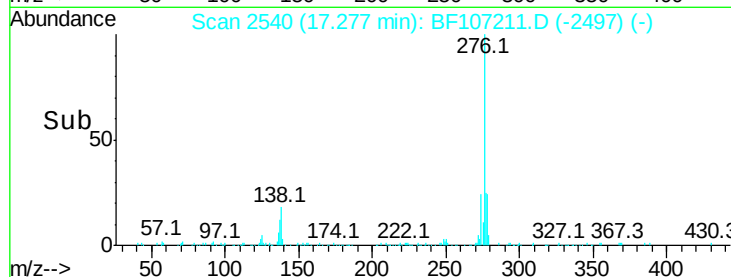
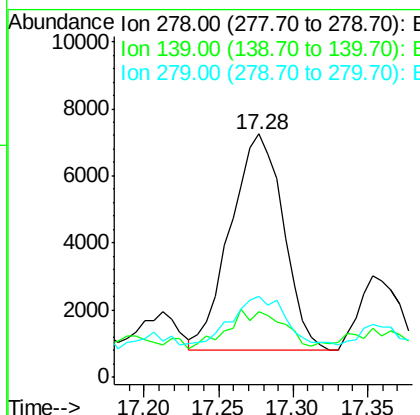
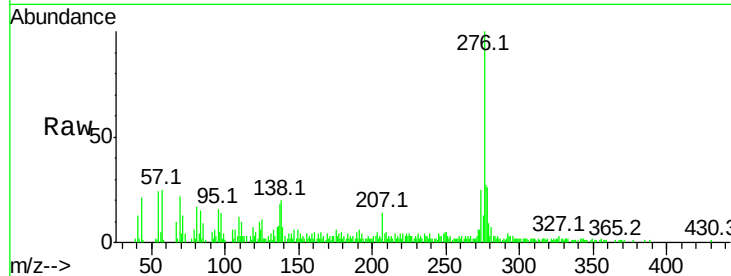
#90
Dibenzo(a,h)anthracene
Concen: 3.174 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.05 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.9	15.9	23.9#
279	33.3	19.0	28.4#

Manual Integrations
APPROVED

Sohil
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#91
Benzo(g,h,i)perylene
Concen: 11.379 ng
RT: 17.77 min Scan# 2623
Delta R.T. -0.02 min
Lab File: BF107211.D
Acq: 7 Jul 2018 17:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	17.9	26.9#
138	19.9	21.8	32.8#

