

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107247.D
 Acq On : 9 Jul 2018 23:31
 Operator : JU/SJ
 Sample : J3880-19
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-20

Manual Integrations
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Quant Time: Jul 10 05:29:30 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	44974	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	169566	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	80328	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	131384	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	100934	20.00	ng	-0.02
86) Perylene-d12	15.69	264	70932	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	275588	103.76	ng	0.00
7) Phenol-d6	6.60	99	347304	104.71	ng	-0.01
23) Nitrobenzene-d5	7.52	82	212123	69.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	93643	100.58	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	398859	83.84	ng	-0.02
78) Terphenyl-d14	13.08	244	376353	90.32	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.61	94	8634	2.281	ng	89
31) Naphthalene	8.25	128	27205	3.432	ng	98
37) 2-Methylnaphthalene	8.95	142	14297	2.721	ng	92
49) Dimethylphthalate	9.70	163	93579	15.533	ng	98
51) Acenaphthene	10.02	154	30421	6.072	ng	98
54) Dibenzofuran	10.20	168	28831	4.203	ng	94
57) Fluorene	10.54	166	34680	6.371	ng	98
70) Phenanthrene	11.52	178	139980	22.090	ng	98
71) Anthracene	11.57	178	42434	6.560	ng	99
72) Carbazole	11.72	167	13076	2.159	ng	98
74) Fluoranthene	12.71	202	230229	32.963	ng	96
77) Pylene	12.95	202	218208	32.784	ng	99
80) Benzo(a)anthracene	14.14	228	120955	19.662	ng	97
82) Chrysene	14.18	228	115033	20.326	ng	98
83) Bis(2-ethylhexyl)phthalate	14.09	149	21902	6.260	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.30	276	45778	9.532	ng	# 87
87) Benzo(b)fluoranthene	15.24	252	122558m	27.815	ng	
88) Benzo(k)fluoranthene	15.26	252	39253m	9.355	ng	
89) Benzo(a)pyrene	15.63	252	79196	20.218	ng	96
90) Dibenzo(a,h)anthracene	17.29	278	12816	3.861	ng	# 85
91) Benzo(g,h,i)perylene	17.79	276	44624	13.753	ng	# 88

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

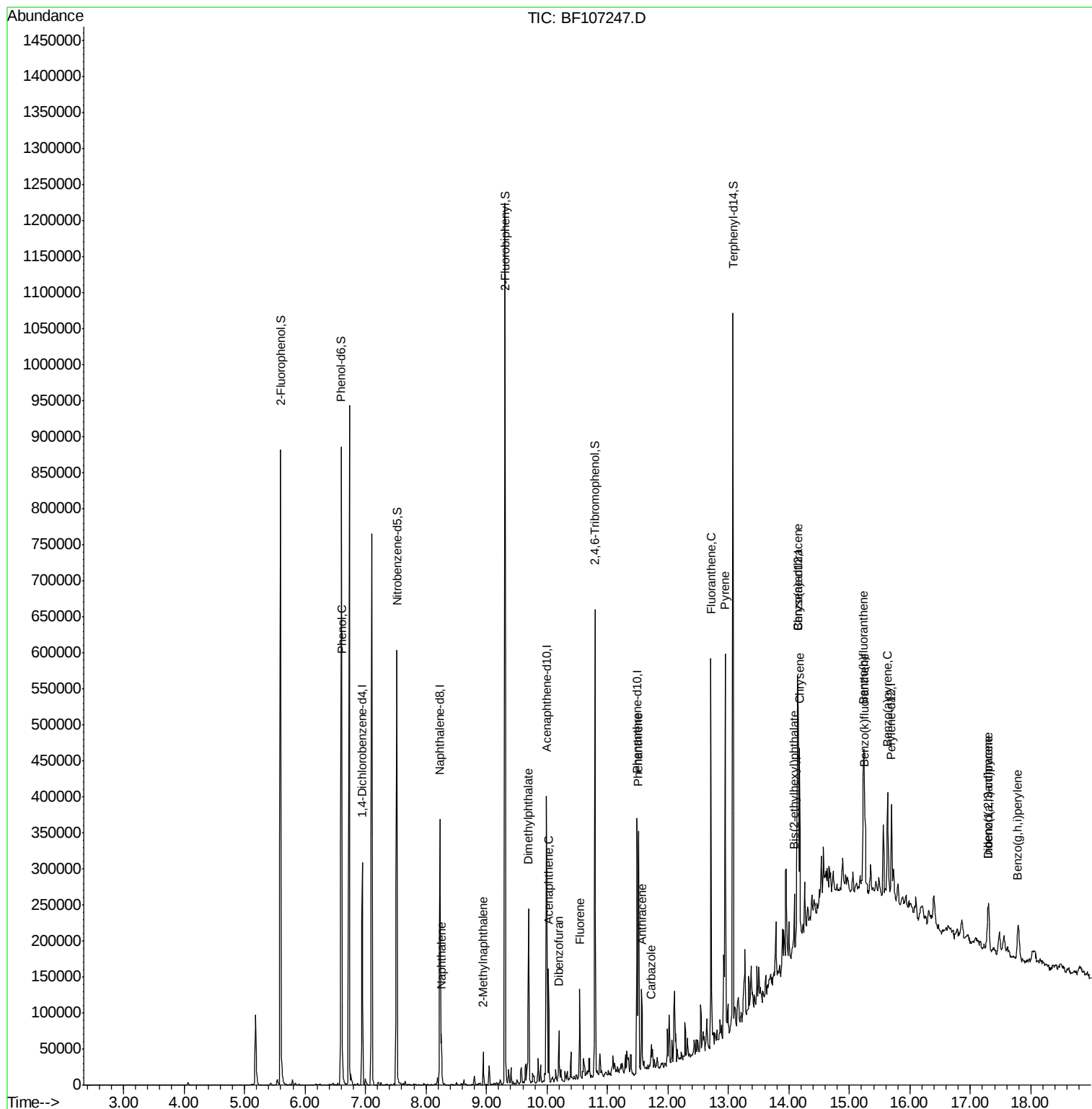
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
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#1

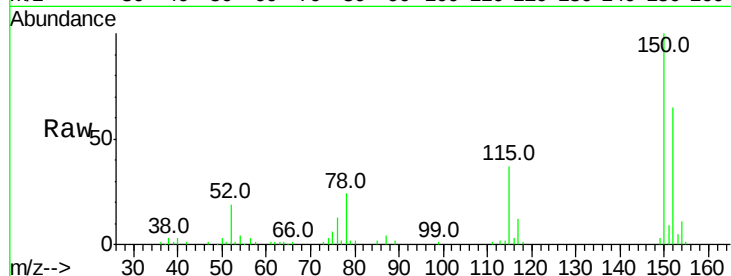
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107247.D
Acq: 9 Jul 2018 23:31

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

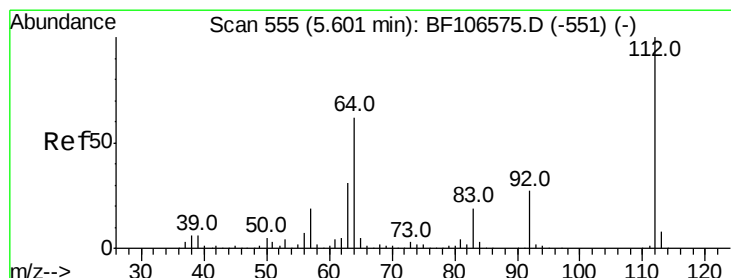
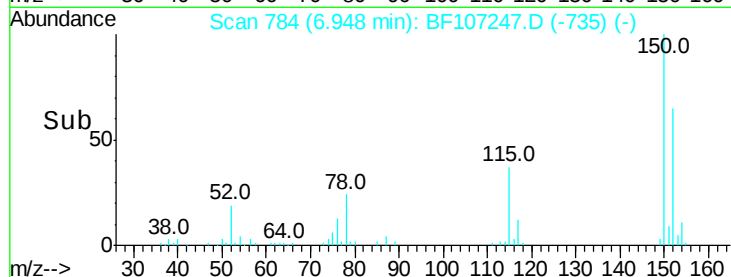
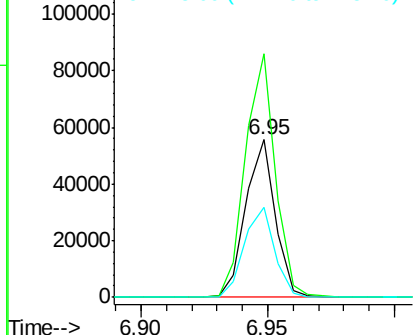
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	57.0	50.1	75.1

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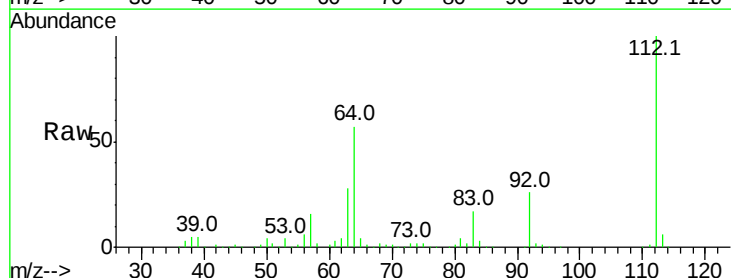
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



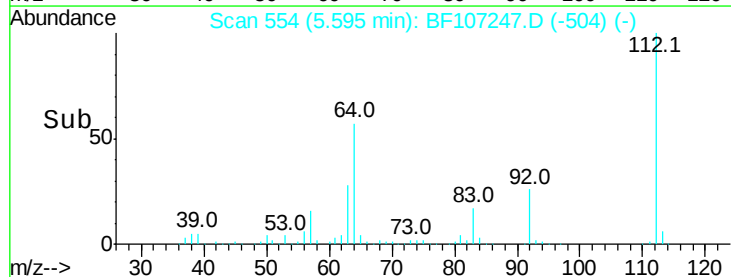
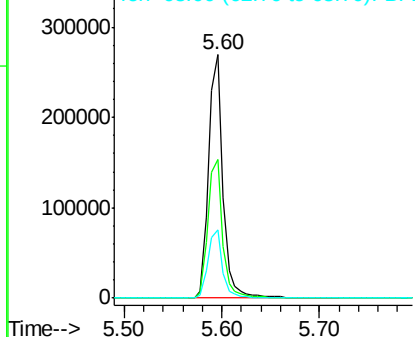
#5

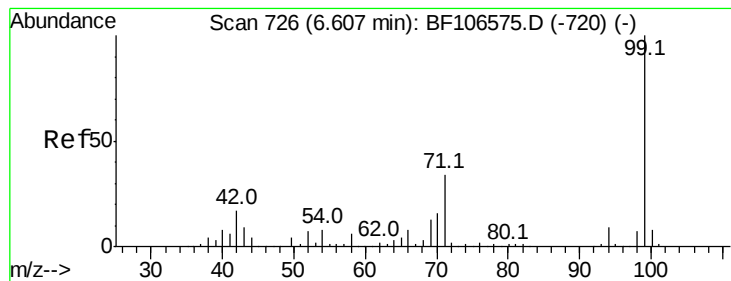
2-Fluorophenol
Concen: 103.762 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107247.D
Acq: 9 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	28.2	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: 104.711 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107247.D

Acq: 9 Jul 2018 23:31

Instrument :

BNA_F

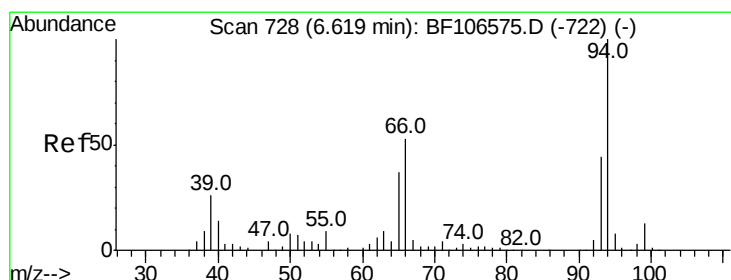
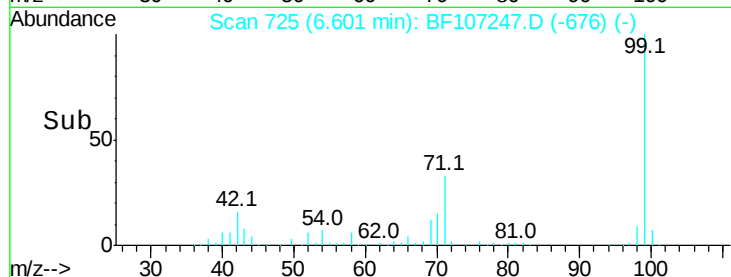
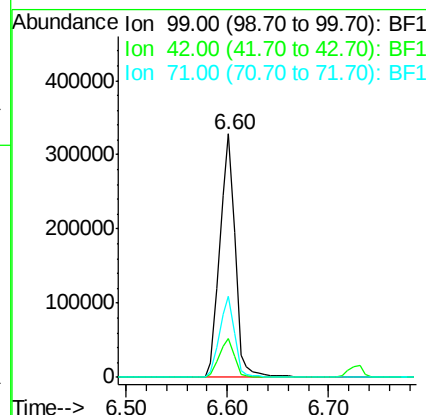
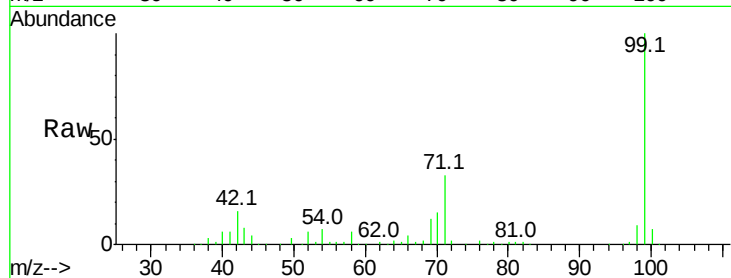
ClientSampleId :

SURCHARGE-SP-20

Tot Ion:	99	Resp:	347304
Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.5	21.7
71	33.5	25.4	38.0

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#10

Phenol

Concen: 2.281 ng

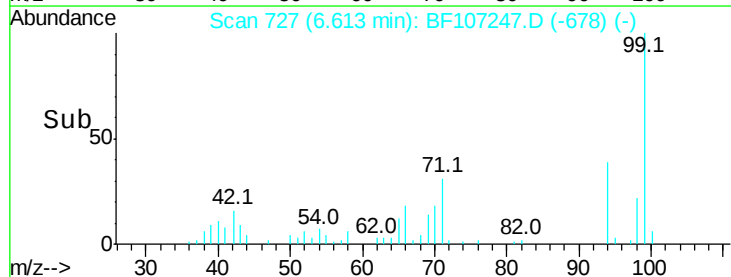
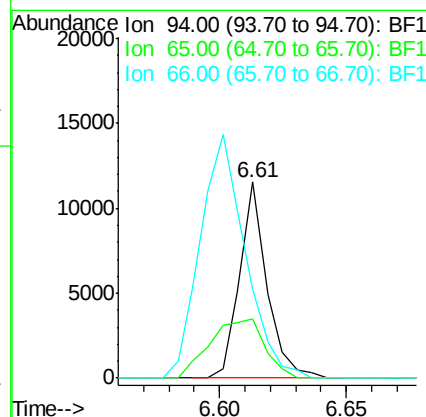
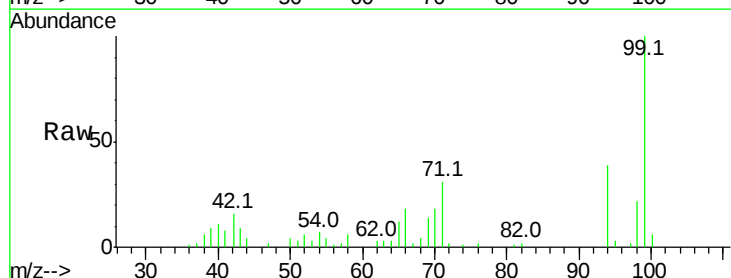
RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF107247.D

Acq: 9 Jul 2018 23:31

Tgt Ion:	94	Resp:	8634
Ion	Ratio	Lower	Upper
94	100		
65	30.5	7.9	47.9
66	45.6	16.2	56.2





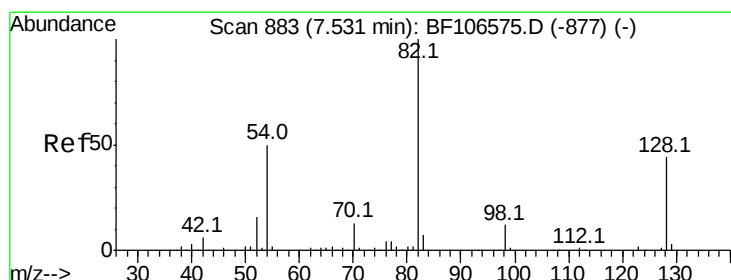
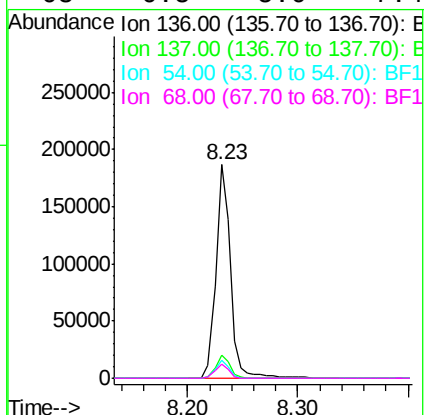
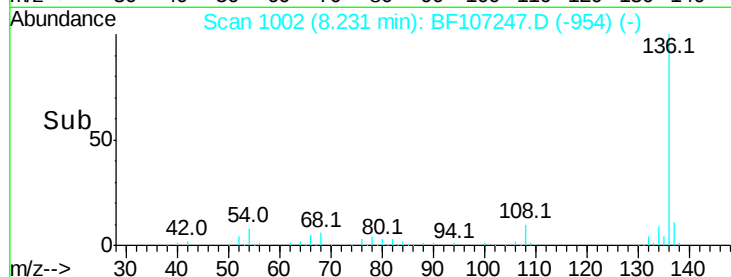
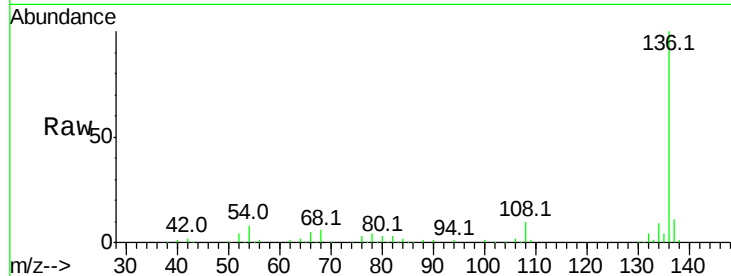
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107247.D
Acq: 9 Jul 2018 23:31

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

Tot Ion	Ratio	Resp	Lower	Upper
136	100	169566		
137	10.8	8.9	13.3	
54	8.1	6.6	9.8	
68	6.5	5.0	7.4	

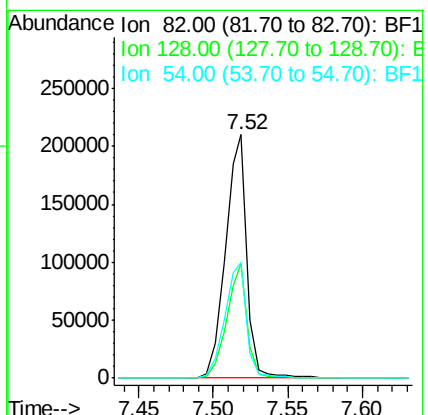
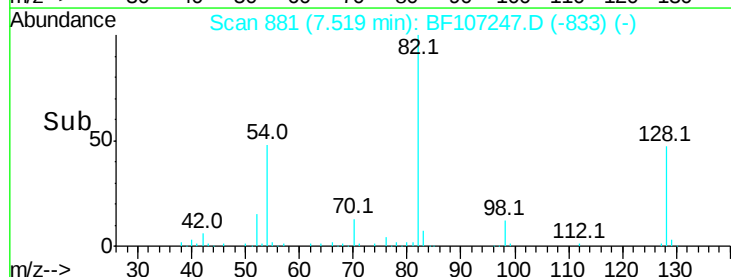
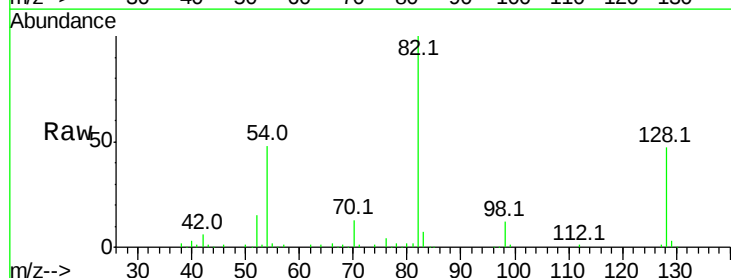
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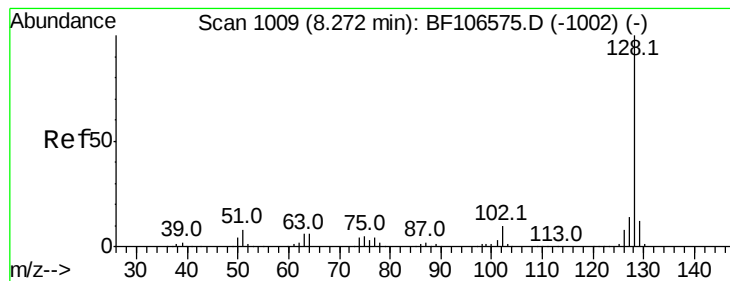
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#23
Nitrobenzene-d5
Concen: 69.521 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107247.D
Acq: 9 Jul 2018 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	212123		
128	47.1	36.1	54.1	
54	47.7	41.4	62.2	





#31

Naphthalene

Concen: 3.432 ng

RT: 8.25 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF107247.D

Acq: 9 Jul 2018 23:31

Instrument :

BNA_F

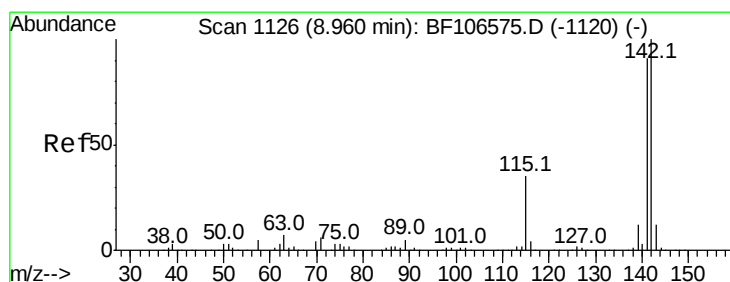
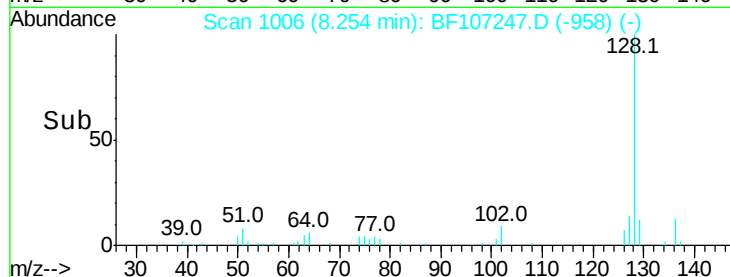
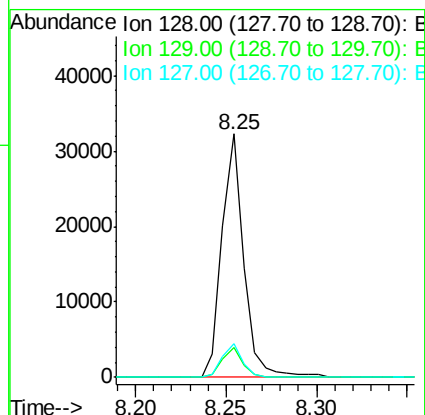
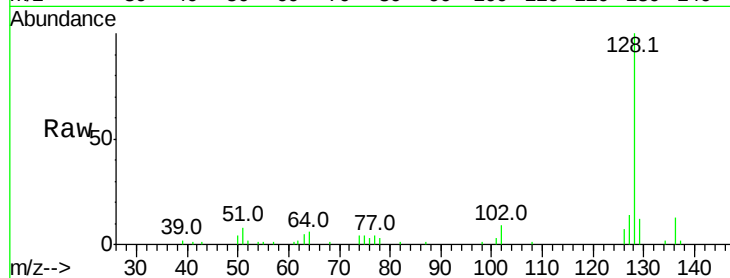
ClientSampleId :

SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.8	13.2
127	14.1	10.9	16.3

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#37

2-Methylnaphthalene

Concen: 2.721 ng

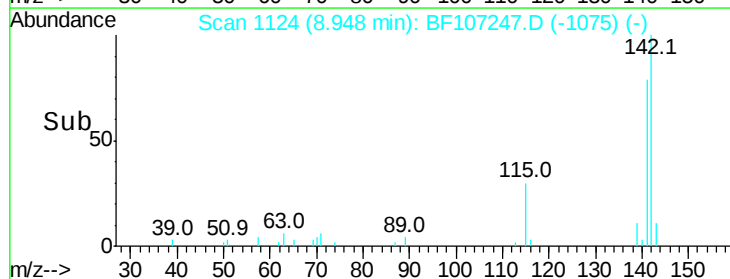
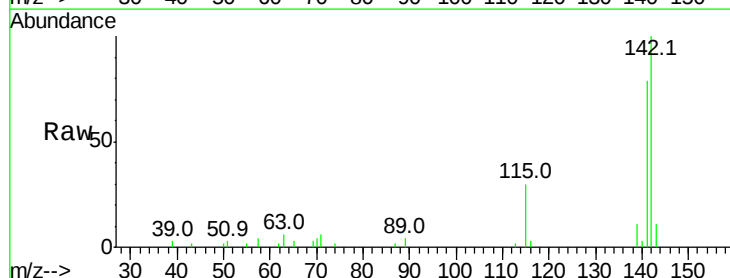
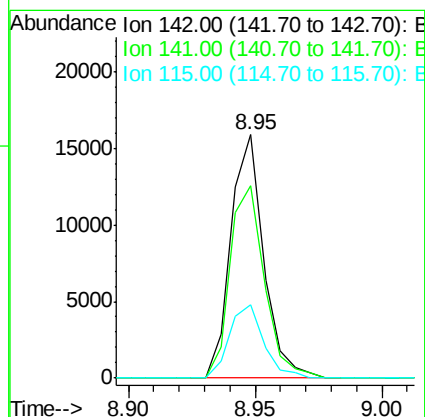
RT: 8.95 min Scan# 1124

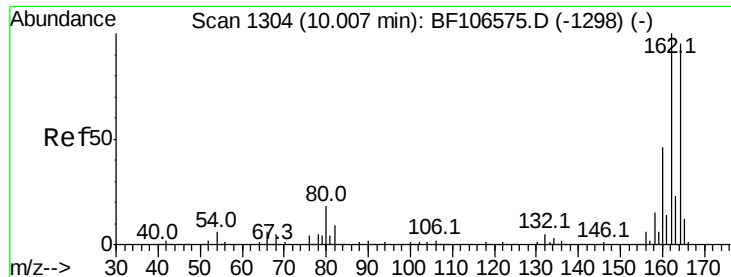
Delta R.T. -0.01 min

Lab File: BF107247.D

Acq: 9 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	79.3	70.8	106.2
115	30.0	26.1	39.1





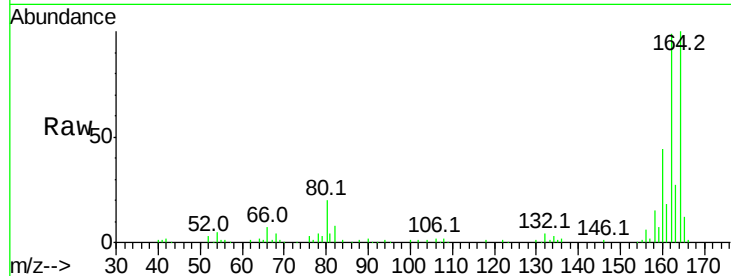
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF107247.D
Acq: 9 Jul 2018 23:31

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.5	86.1	129.1
160	44.2	38.3	57.5

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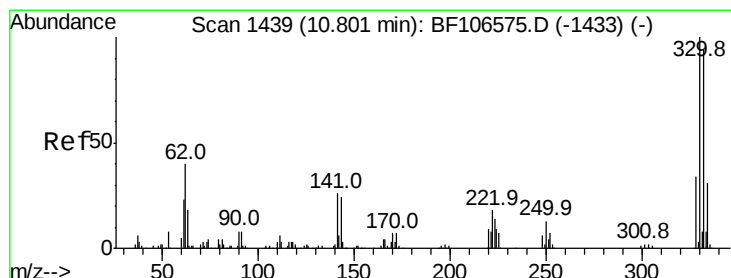
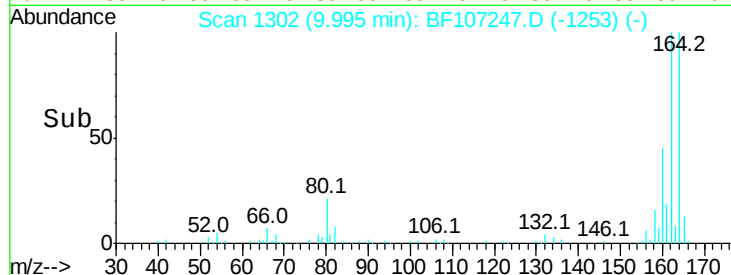
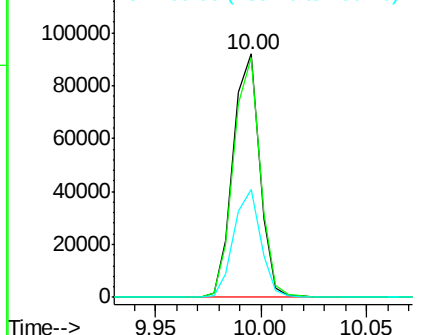


Abundance

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: 100.581 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF107247.D
Acq: 9 Jul 2018 23:31

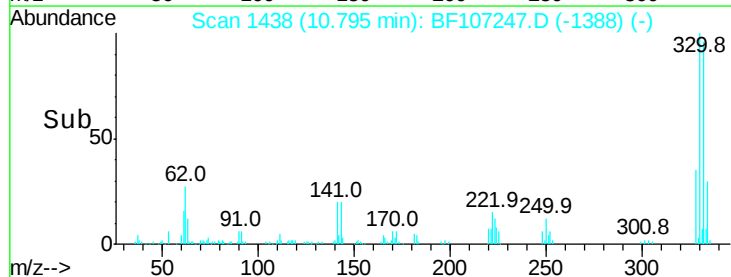
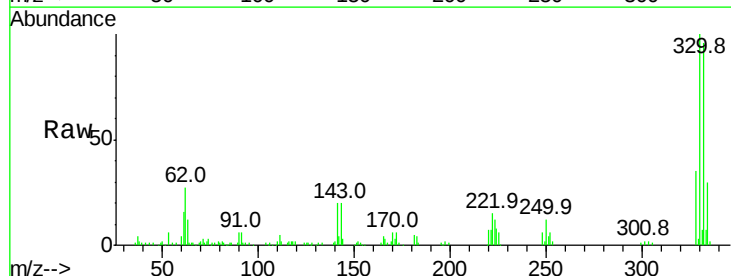
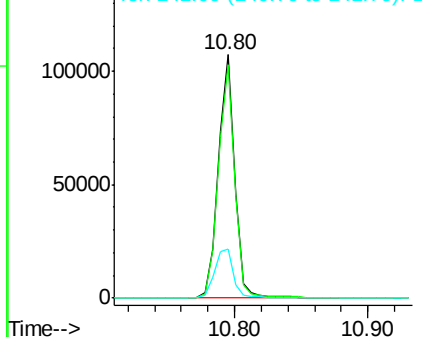
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	24.0	29.9	44.9#

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





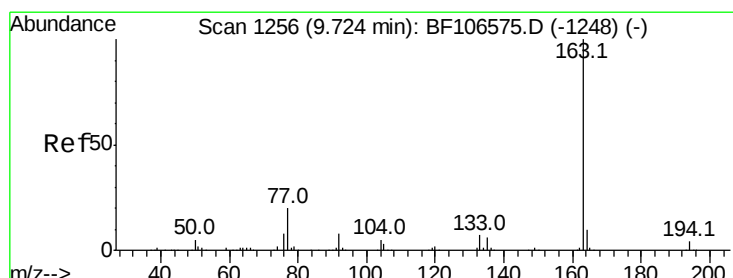
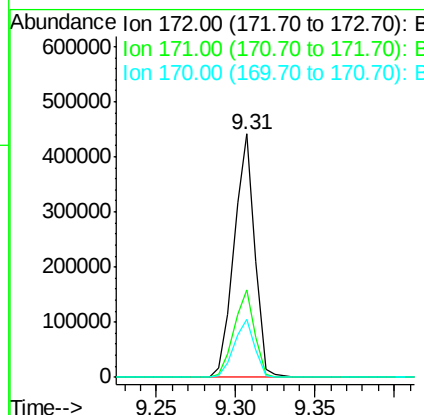
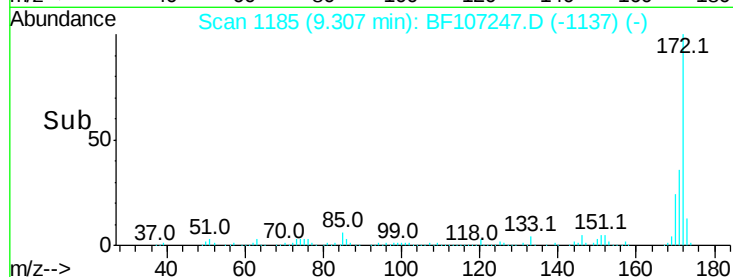
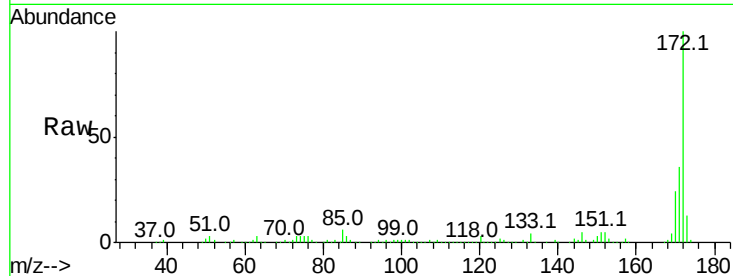
#44
2-Fluorobiphenyl
Concen: 83.845 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF107247.D
Acq: 9 Jul 2018 23:31

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	24.1	19.6	29.4	

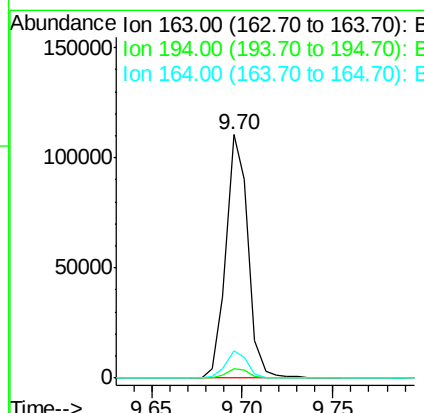
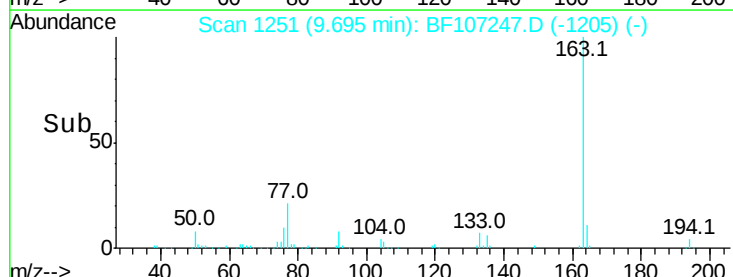
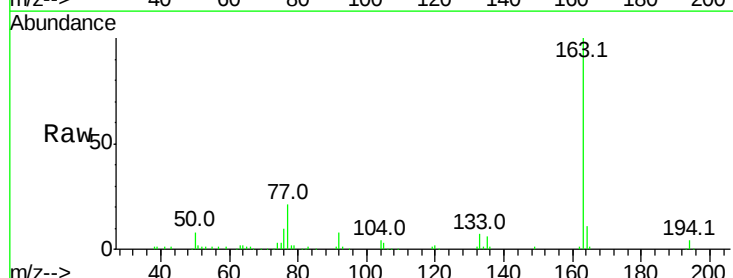
Manual Integrations
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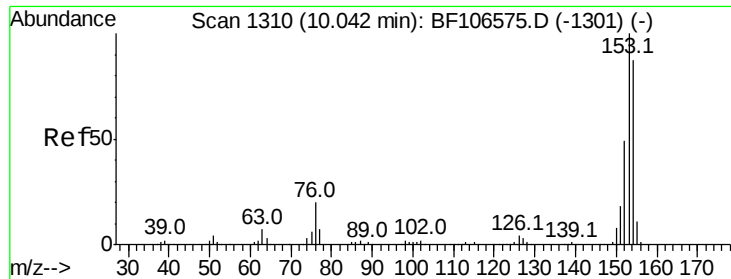
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#49
Dimethylphthalate
Concen: 15.533 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107247.D
Acq: 9 Jul 2018 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	2.7	4.1	
164	11.0	8.2	12.2	





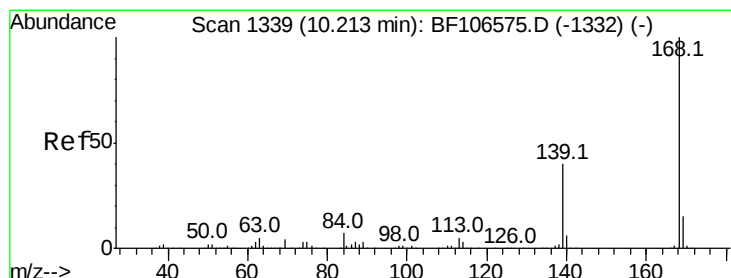
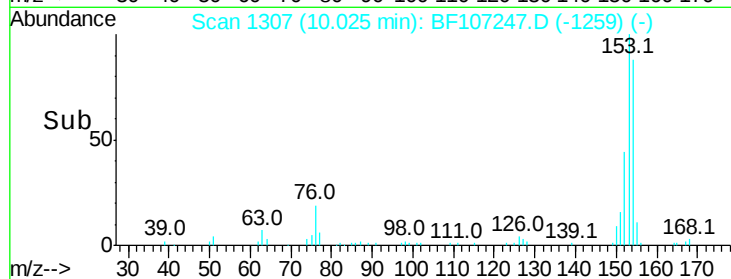
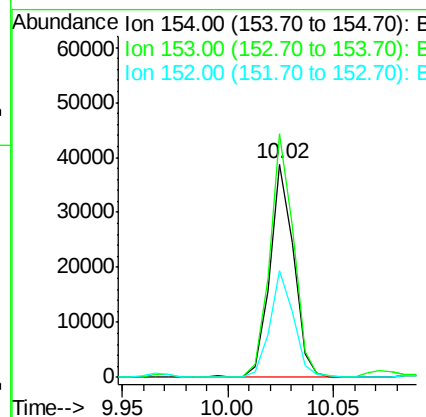
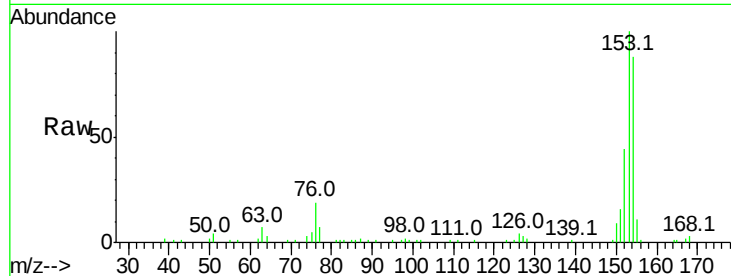
#51
Acenaphthene
Concen: 6.072 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF107247.D
Acq: 9 Jul 2018 23:31

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.1	91.2	136.8
152	49.8	43.8	65.8

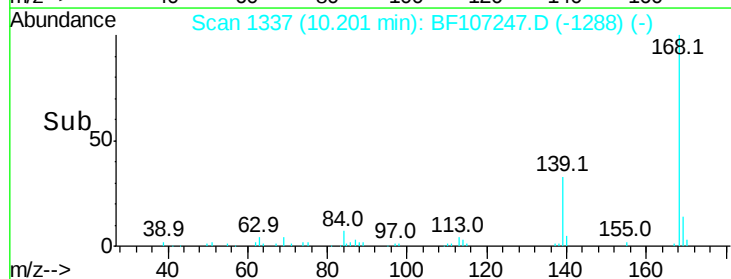
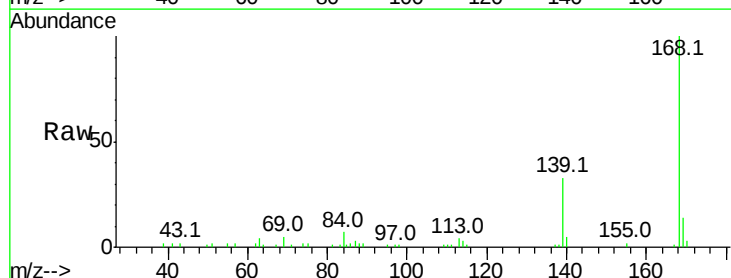
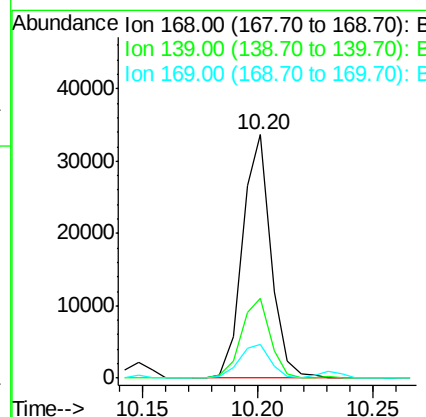
Manual Integrations
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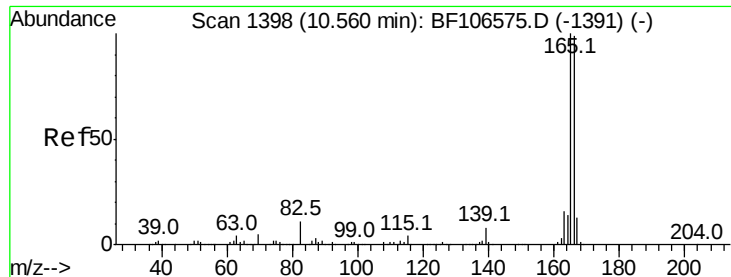
Sohil
7/10/2018 2:47:08 PM



#54
Dibenzofuran
Concen: 4.203 ng
RT: 10.20 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF107247.D
Acq: 9 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
168	100		
139	32.5	30.1	45.1
169	13.9	10.9	16.3





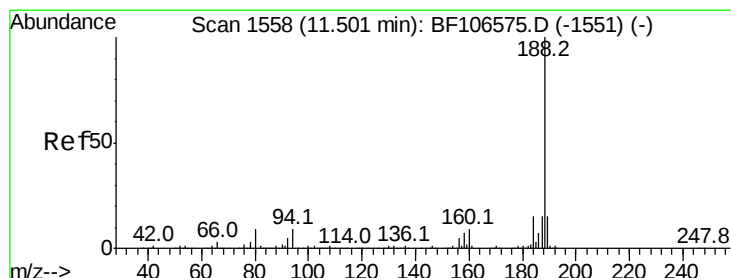
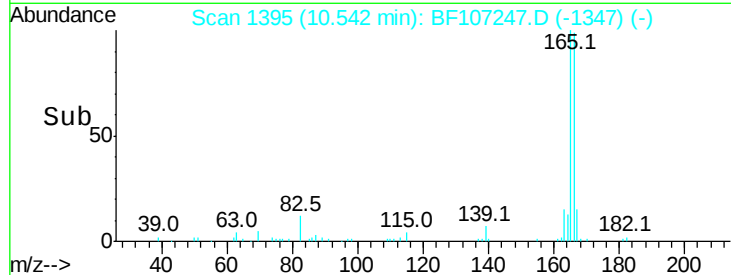
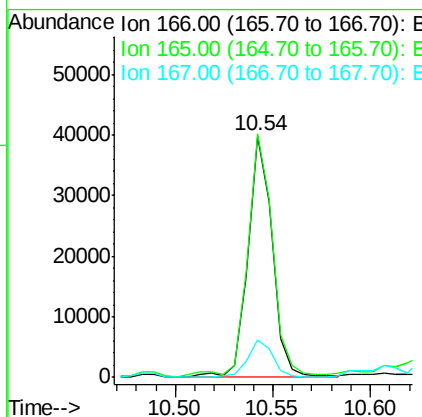
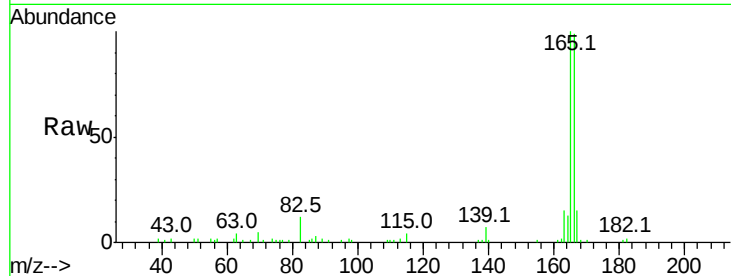
#57
Fluorene
 Concen: 6.371 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. -0.02 min
 Lab File: BF107247.D
 Acq: 9 Jul 2018 23:31

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.9	79.8	119.8
167	15.6	10.6	16.0

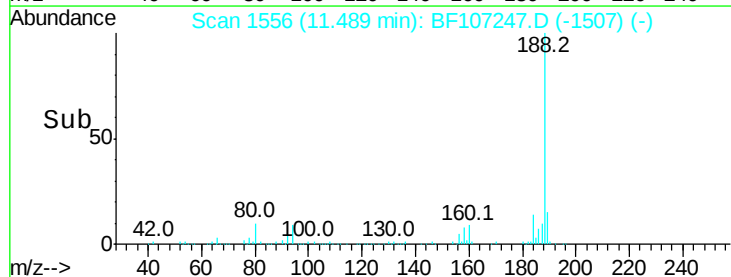
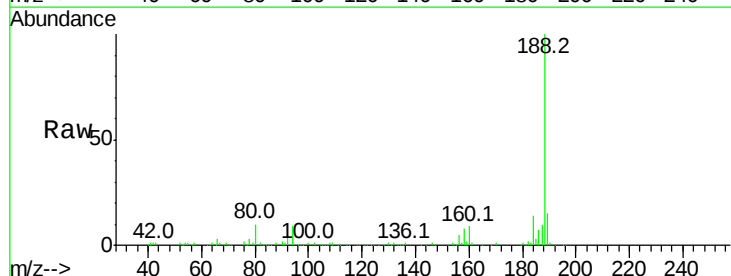
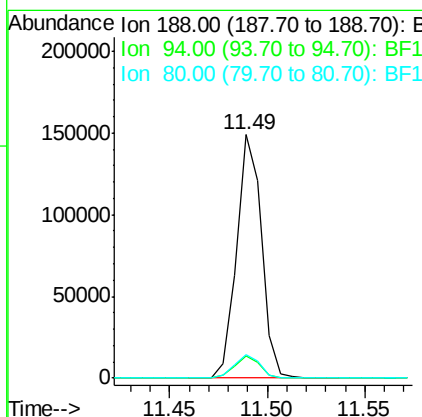
Manual Integrations
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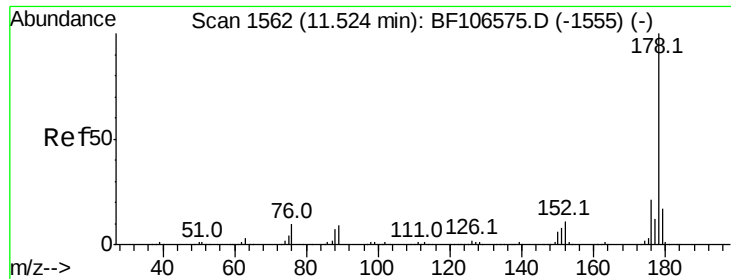
Sohil
 7/10/2018 2:47:08 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107247.D
 Acq: 9 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	9.7	9.2	13.8





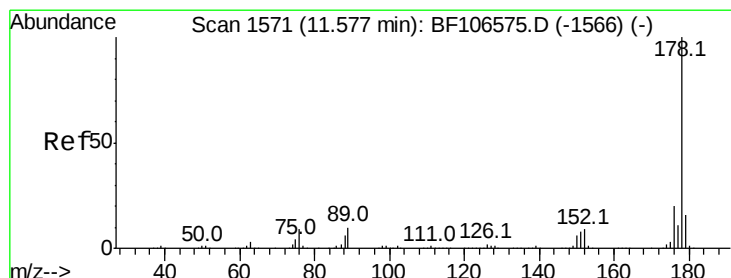
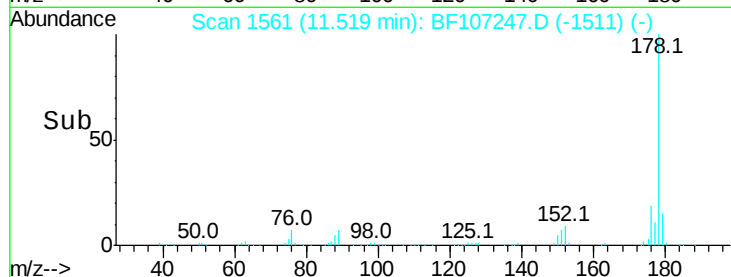
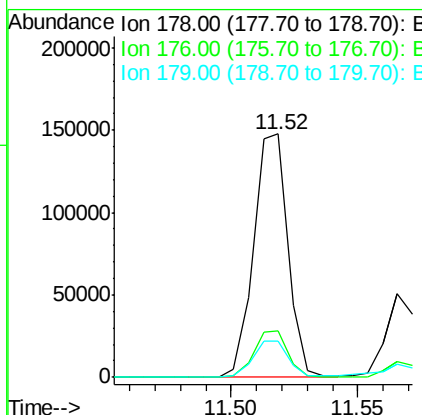
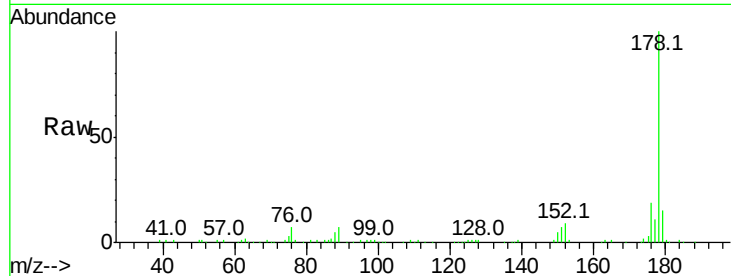
#70
Phenanthrene
Concen: 22.090 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107247.D
Acq: 9 Jul 2018 23:31

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.1	13.0	19.6

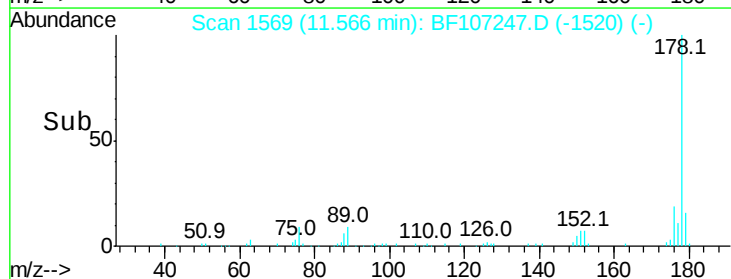
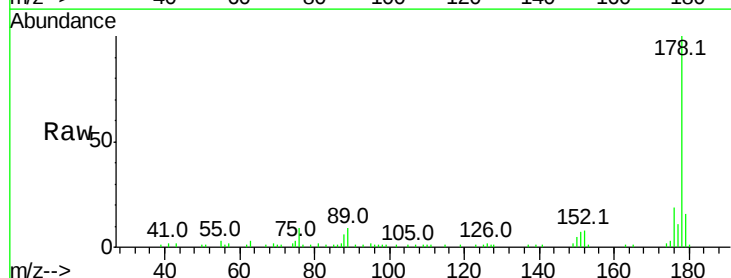
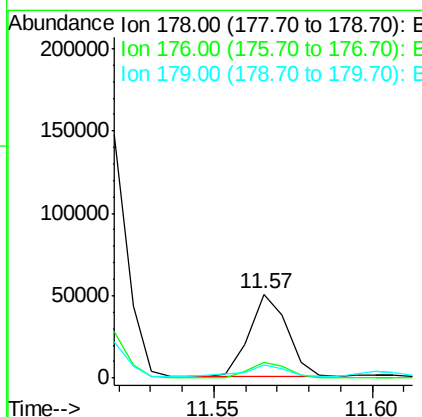
Manual Integrations
APPROVED

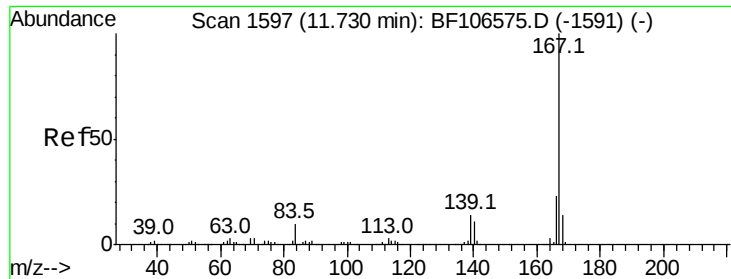
Sohil
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#71
Anthracene
Concen: 6.560 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF107247.D
Acq: 9 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	16.5	12.6	19.0





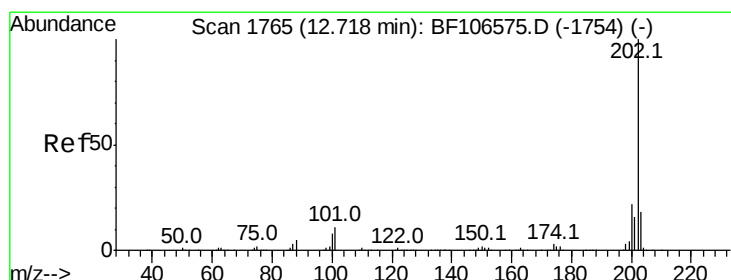
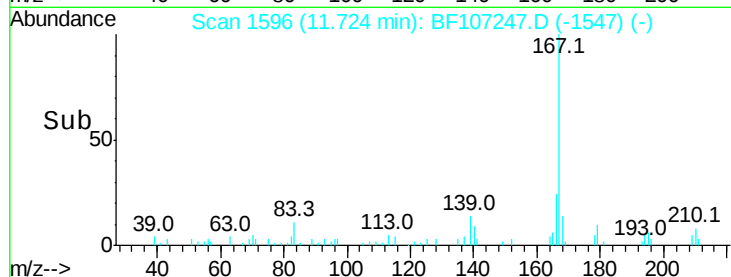
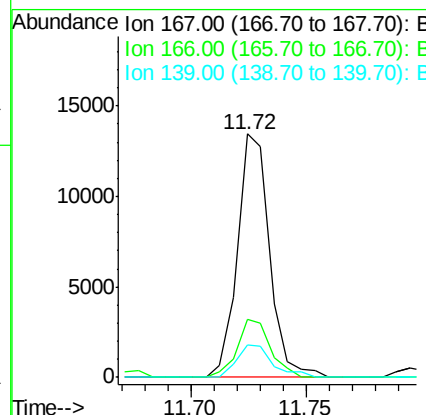
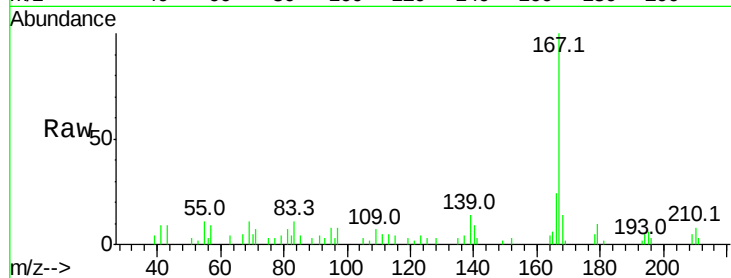
#72
 Carbazole
 Concen: 2.159 ng
 RT: 11.72 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF107247.D
 Acq: 9 Jul 2018 23:31

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.7	17.6	26.4
139	13.5	10.9	16.3

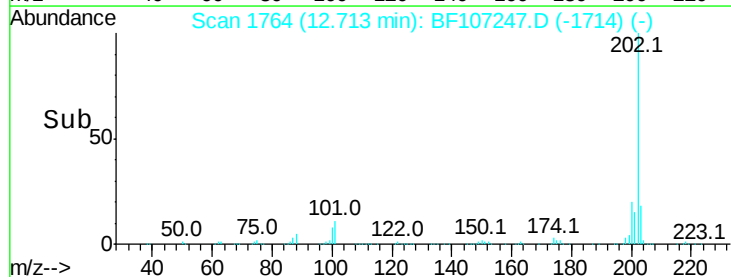
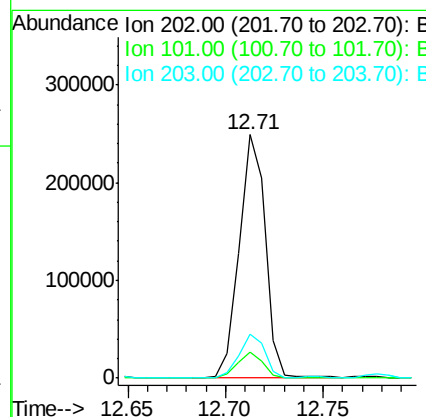
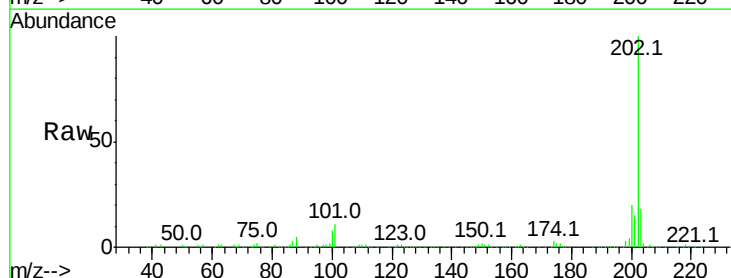
Manual Integrations
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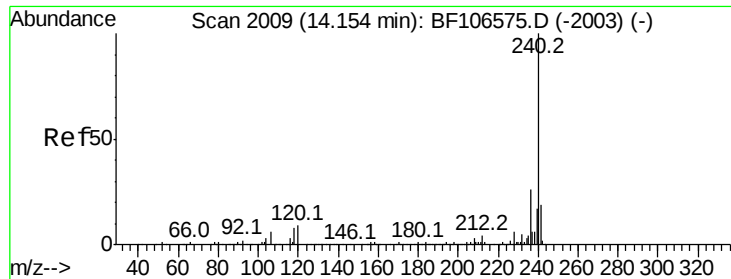
Sohil
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#74
 Fluoranthene
 Concen: 32.963 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF107247.D
 Acq: 9 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	18.0	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: BF107247.D

Acq: 9 Jul 2018 23:31

Instrument :

BNA_F

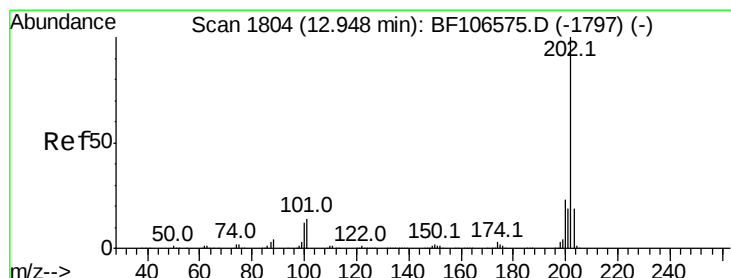
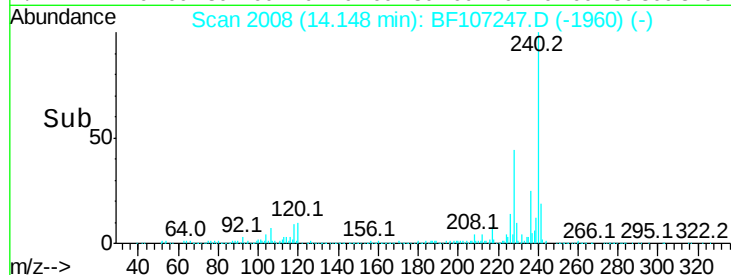
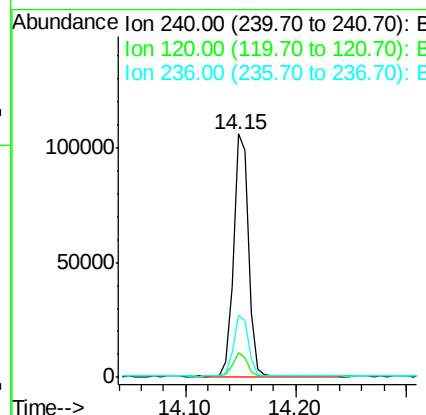
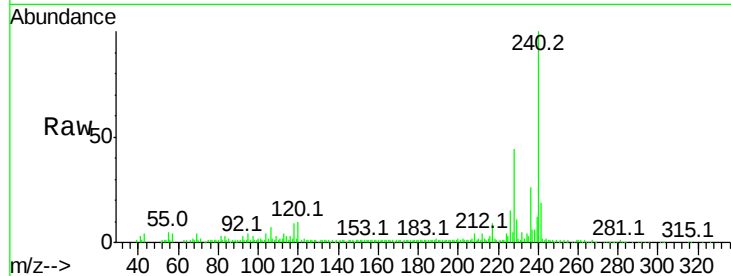
ClientSampleId :

SURCHARGE-SP-20

Tot Ion:	240	Resp:	100934
Ion Ratio	Lower	Upper	
240	100		
120	10.0	9.5	14.3
236	25.5	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 32.784 ng

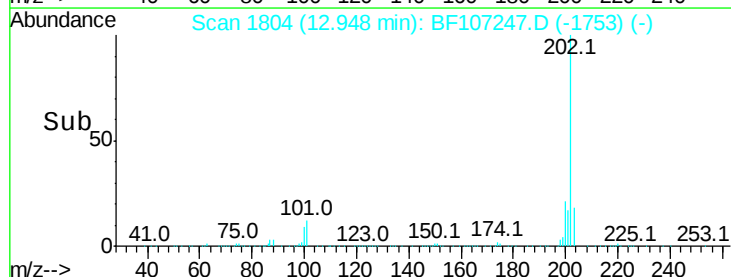
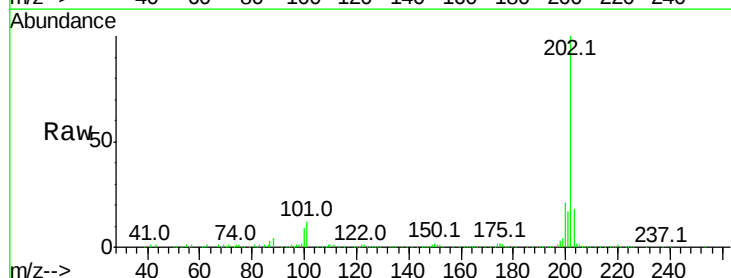
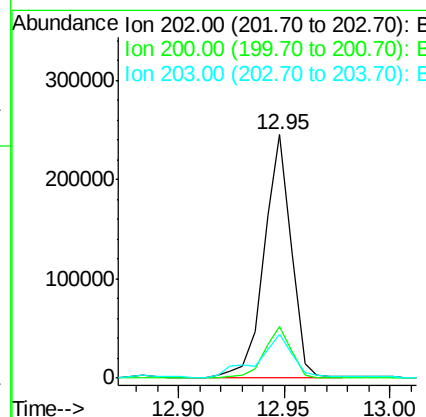
RT: 12.95 min Scan# 1804

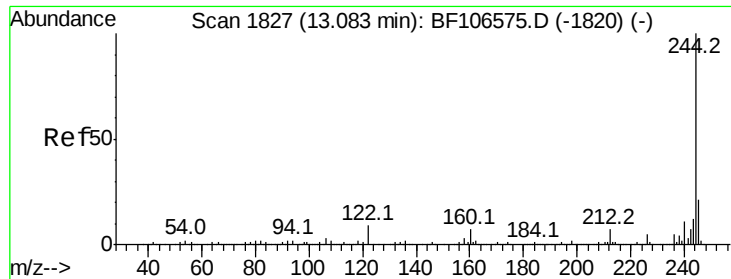
Delta R.T. -0.00 min

Lab File: BF107247.D

Acq: 9 Jul 2018 23:31

Tgt Ion:	202	Resp:	218208
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	18.2	14.3	21.5





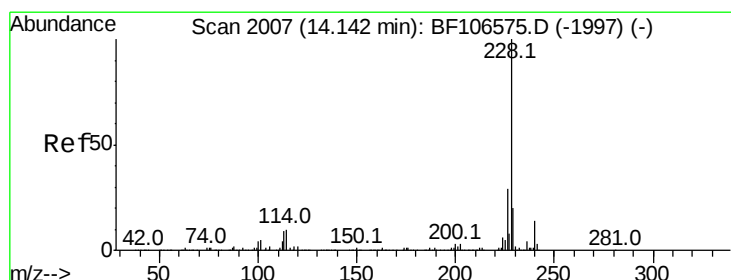
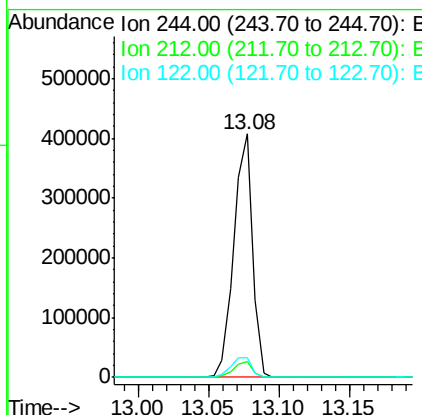
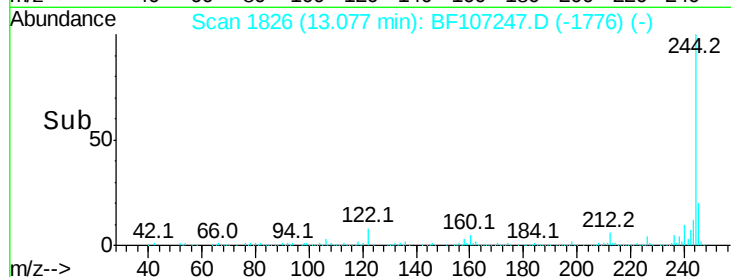
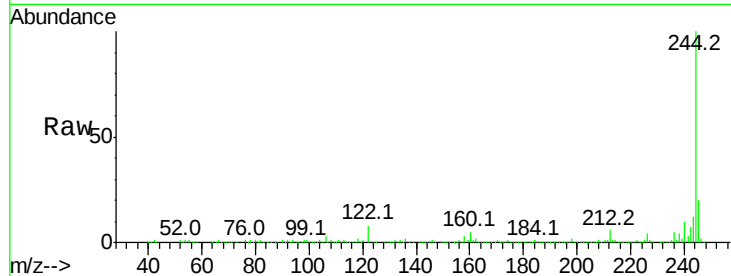
#78
 Terphenyl-d14
 Concen: 90.320 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107247.D
 Acq: 9 Jul 2018 23:31

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	8.0	11.0	16.4#

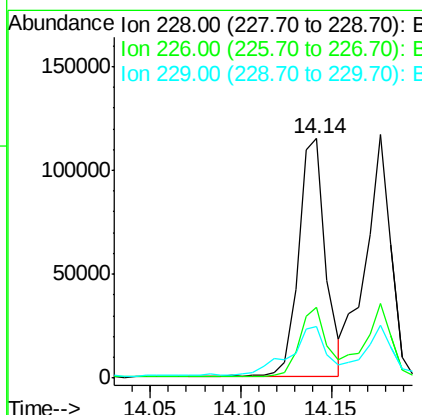
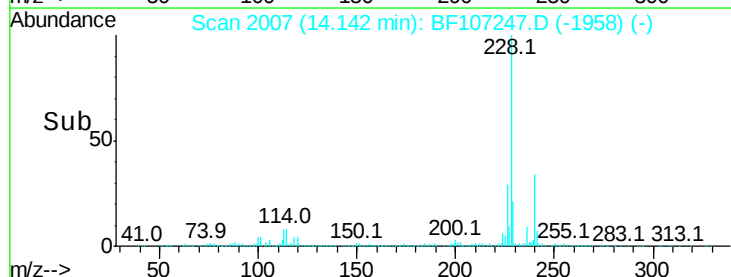
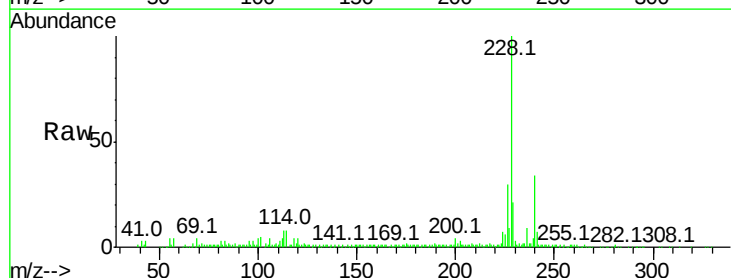
Manual Integrations
 APPROVED

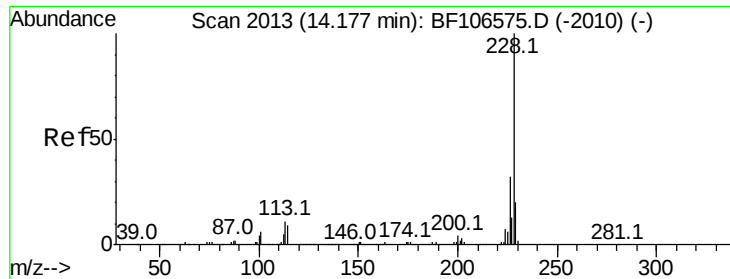
Sohil
 7/10/2018 2:47:08 PM



#80
 Benzo(a)anthracene
 Concen: 19.662 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF107247.D
 Acq: 9 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	21.5	15.8	23.6





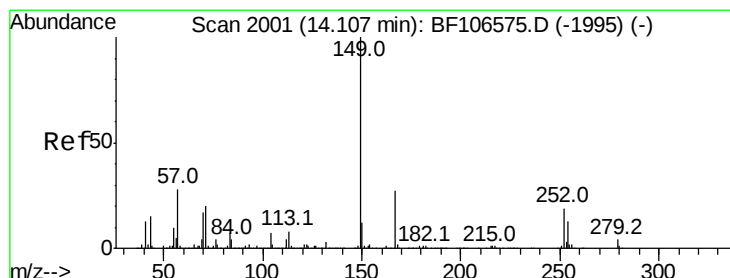
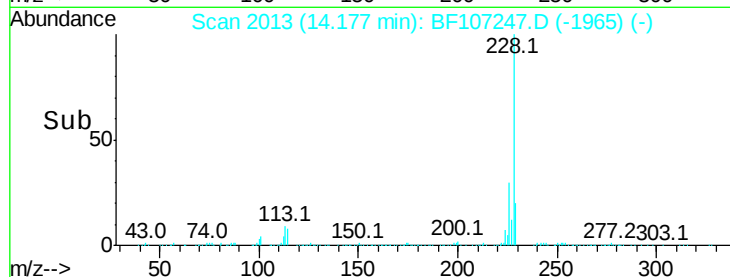
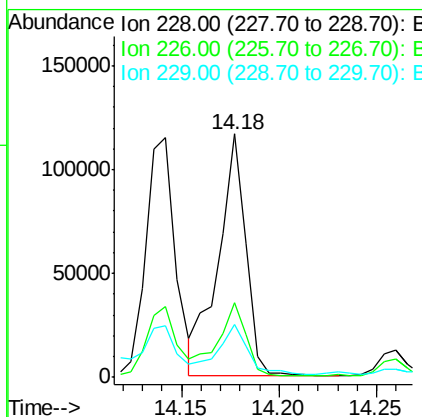
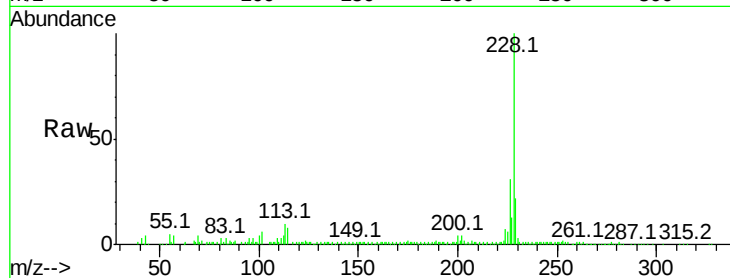
#82
 Chrysene
 Concen: 20.326 ng
 RT: 14.18 min Scan# 2013
 Delta R.T. -0.02 min
 Lab File: BF107247.D
 Acq: 9 Jul 2018 23:31

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	21.6	16.2	24.4

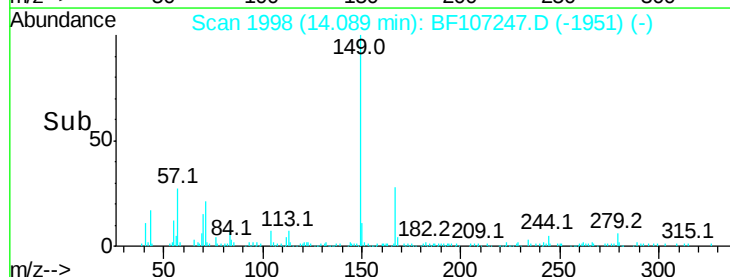
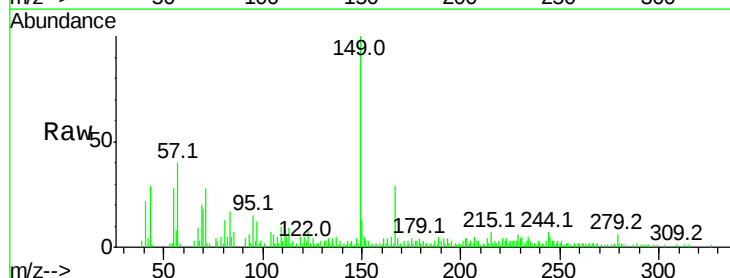
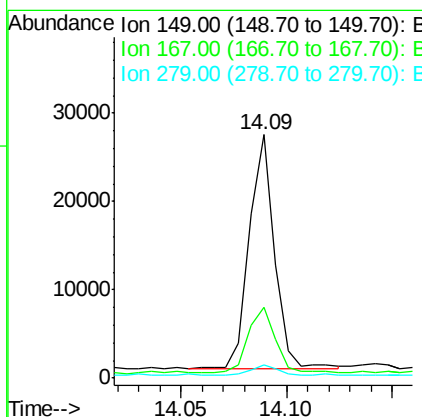
Manual Integrations
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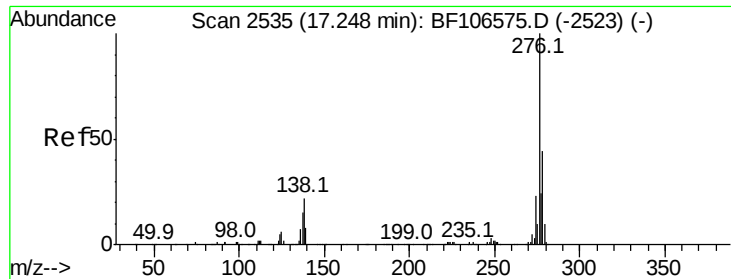
Sohil
 7/10/2018 2:47:08 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.260 ng
 RT: 14.09 min Scan# 1998
 Delta R.T. -0.02 min
 Lab File: BF107247.D
 Acq: 9 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.3	21.3	31.9
279	5.6	3.0	4.4#





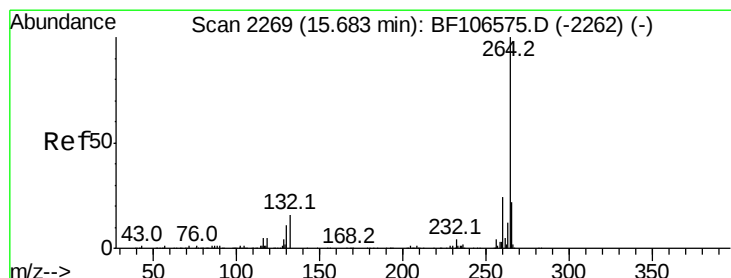
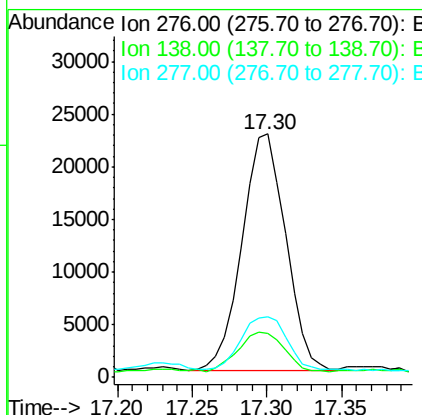
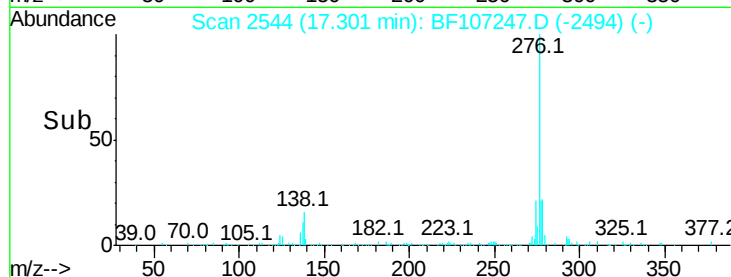
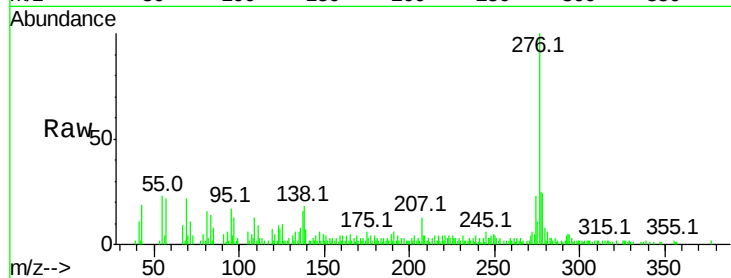
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.532 ng
 RT: 17.30 min Scan# 2544
 Delta R.T. -0.01 min
 Lab File: BF107247.D
 Acq: 9 Jul 2018 23:31

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.0	25.0	37.6#
277	24.1	20.1	30.1

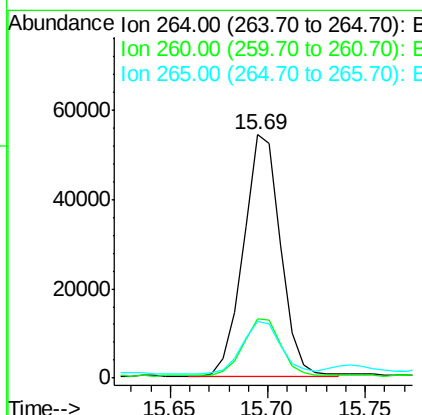
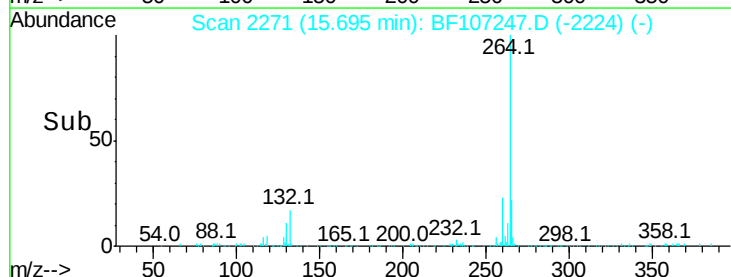
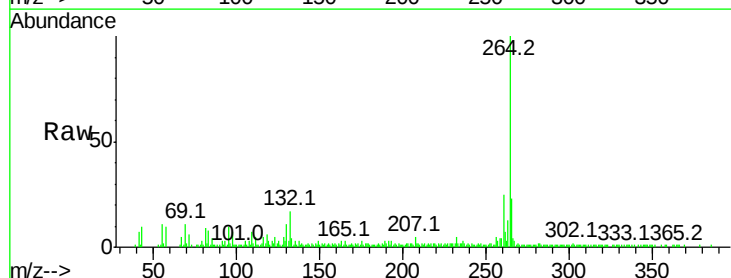
Manual Integrations
 APPROVED

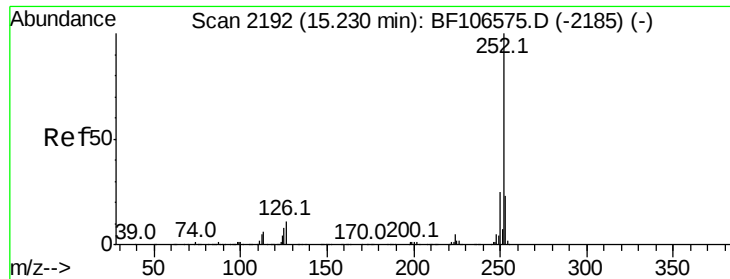
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF107247.D
 Acq: 9 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	23.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 27.815 ng m

RT: 15.24 min Scan# 2193

Delta R.T. -0.02 min

Lab File: BF107247.D

Acq: 9 Jul 2018 23:31

Instrument :

BNA_F

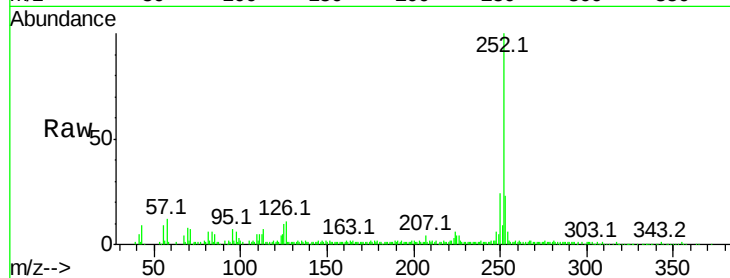
ClientSampleId :

SURCHARGE-SP-20

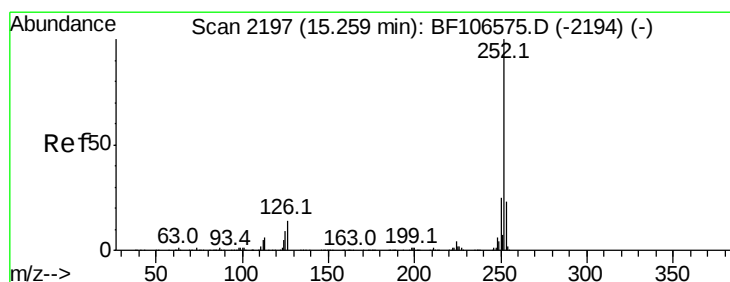
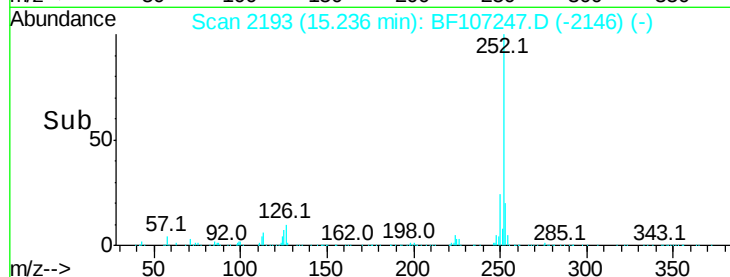
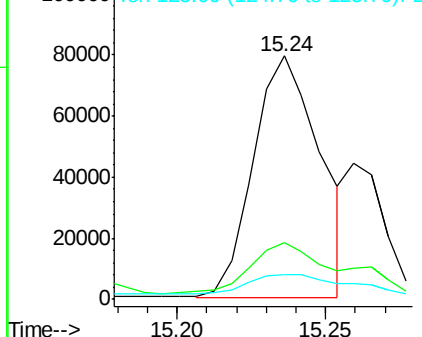
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	10.0	9.0	13.6

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 9.355 ng m

RT: 15.26 min Scan# 2197

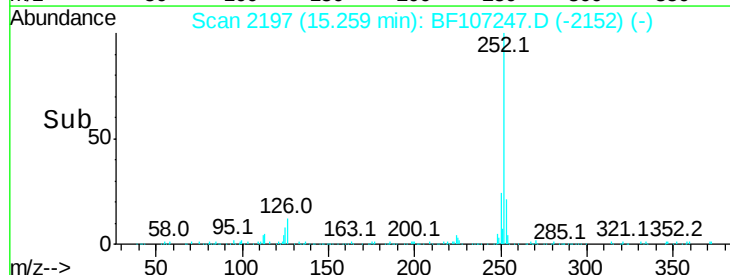
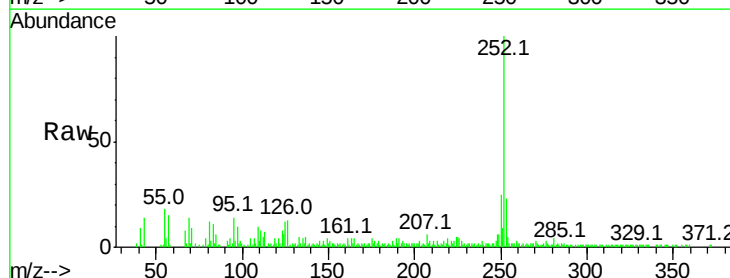
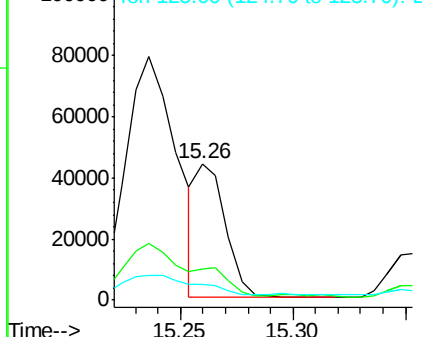
Delta R.T. -0.04 min

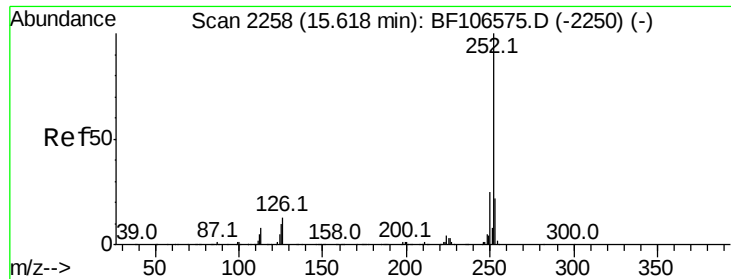
Lab File: BF107247.D

Acq: 9 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	12.0	10.2	15.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





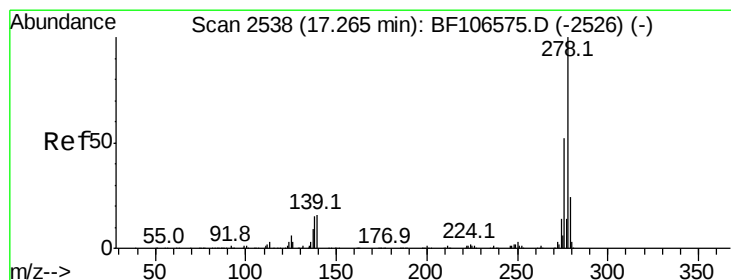
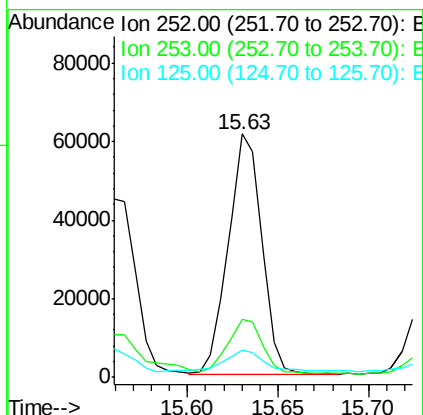
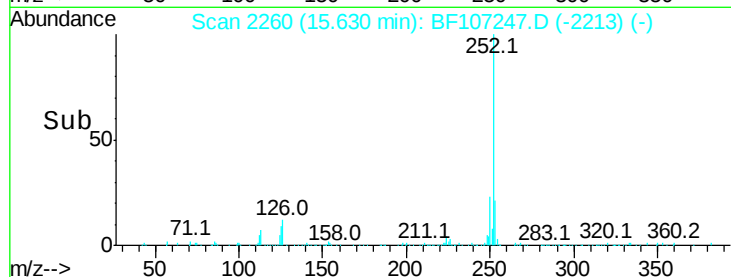
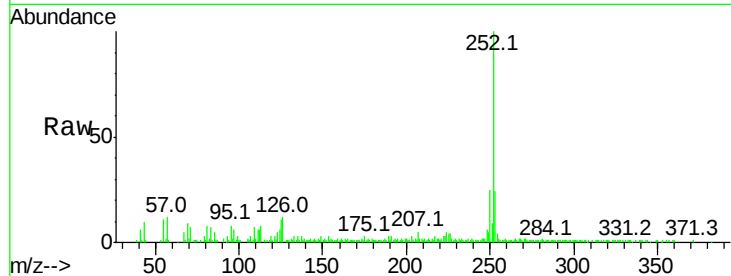
#89
Benzo(a)pyrene
Concen: 20.218 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF107247.D
Acq: 9 Jul 2018 23:31

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	11.5	9.8	14.6

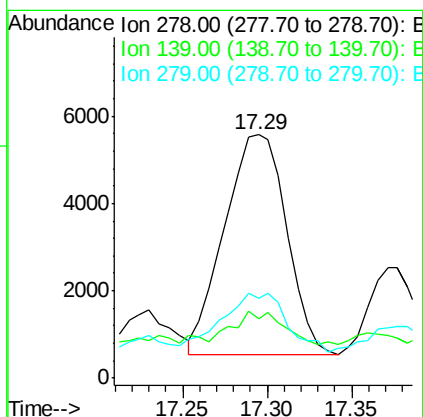
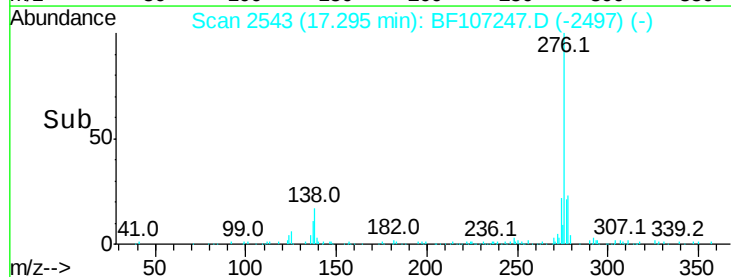
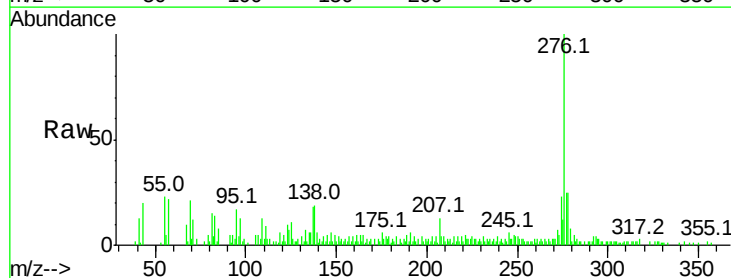
Manual Integrations
APPROVED

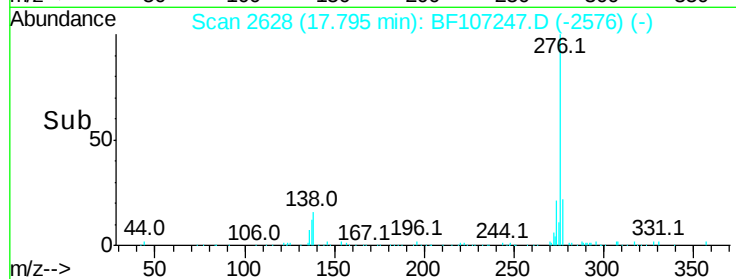
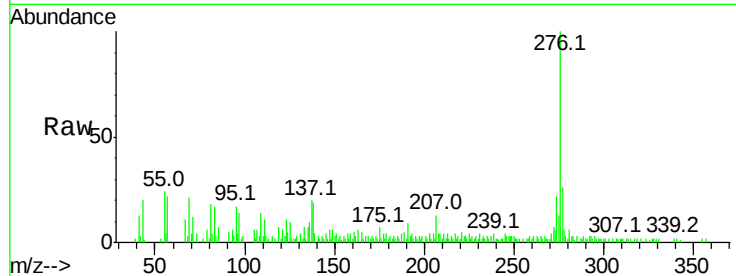
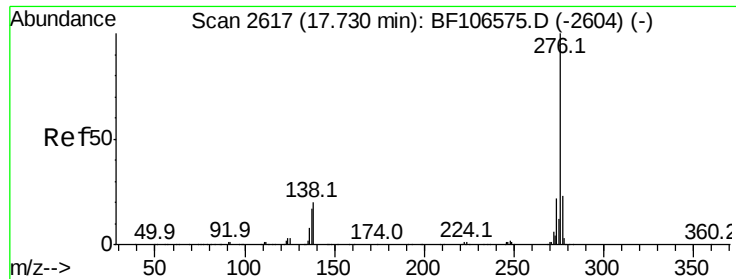
Sohil
7/10/2018 2:47:08 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.861 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.03 min
Lab File: BF107247.D
Acq: 9 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.6	15.9	23.9#
279	32.8	19.0	28.4#





#91
Benzo(a,h,i)perylene
Concen: 13.753 ng
RT: 17.79 min Scan# 2628
Delta R.T. 0.01 min
Lab File: BF107247.D
Acq: 9 Jul 2018 23:31

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-20

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.7	17.9	26.9
138	19.2	21.8	32.8

Manual Integrations
APPROVED

Sohil
7/10/2018 2:47:08 PM

