

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107242.D
 Acq On : 9 Jul 2018 21:14
 Operator : JU/SJ
 Sample : J3879-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-9

Manual Integrations
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Sohil
 7/10/2018 2:46:55 PM

Quant Time: Jul 10 04:53:54 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	37950	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	130753	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	58936	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	118549	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	86618	20.00	ng	-0.01
86) Perylene-d12	15.69	264	63709	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	247617	110.49	ng	0.00
7) Phenol-d6	6.60	99	294148	105.10	ng	-0.01
23) Nitrobenzene-d5	7.51	82	175931	74.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	78229	114.52	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	305564	88.34	ng	-0.02
78) Terphenyl-d14	13.08	244	379696	106.18	ng	0.00
Target Compounds						
10) Phenol	6.61	94	7082	2.217	ng	Qvalue 84
31) Naphthalene	8.25	128	12289	2.010	ng	97
48) Acenaphthylene	9.85	152	15556	2.665	ng	97
49) Dimethylphthalate	9.70	163	73729	16.680	ng	98
57) Fluorene	10.54	166	8295	2.077	ng	# 97
70) Phenanthrene	11.51	178	94436	16.516	ng	98
71) Anthracene	11.57	178	49167	8.424	ng	99
72) Carbazole	11.72	167	12830	2.348	ng	98
74) Fluoranthene	12.71	202	232437	36.882	ng	96
77) Pyrene	12.95	202	214743	37.596	ng	99
80) Benzo(a)anthracene	14.14	228	106280	20.132	ng	97
82) Chrysene	14.18	228	100267	20.645	ng	97
83) Bis(2-ethylhexyl)phthalate	14.09	149	6569	2.188	ng	# 88
85) Indeno(1,2,3-cd)pyrene	17.29	276	41413	10.048	ng	# 85
87) Benzo(b)fluoranthene	15.24	252	98986m	25.012	ng	
88) Benzo(k)fluoranthene	15.26	252	28454m	7.550	ng	
89) Benzo(a)pyrene	15.63	252	64089	18.216	ng	97
90) Dibenzo(a,h)anthracene	17.29	278	12130	4.068	ng	# 82
91) Benzo(a,h,i)perylene	17.79	276	39342	13.500	ng	# 87

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

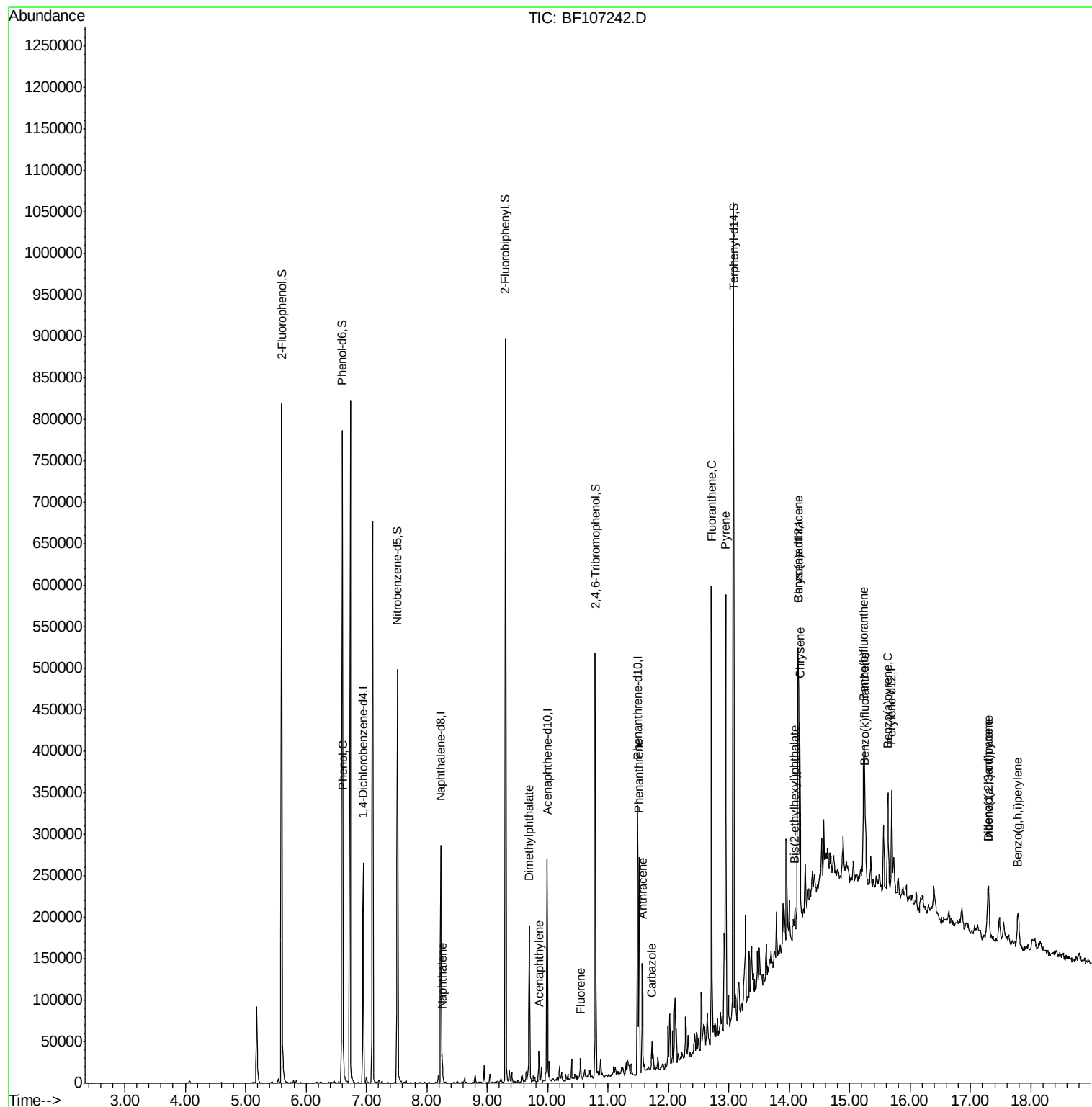
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
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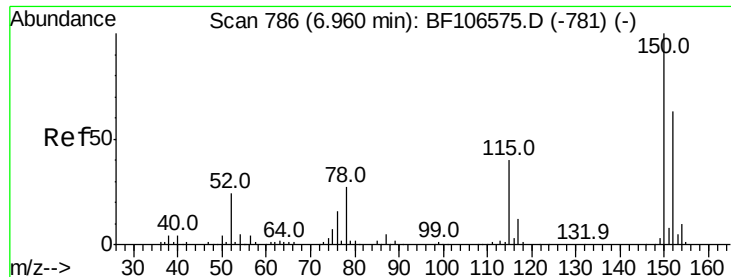
Instrument :
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SURCHARGE-SP-9

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#1

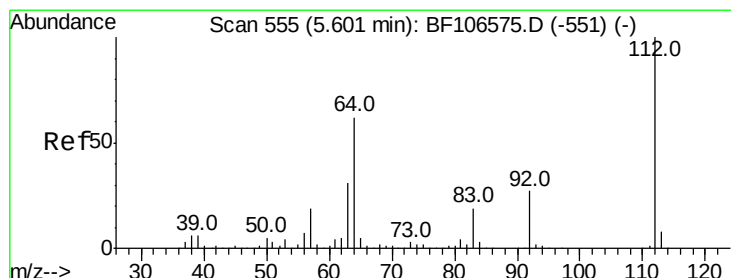
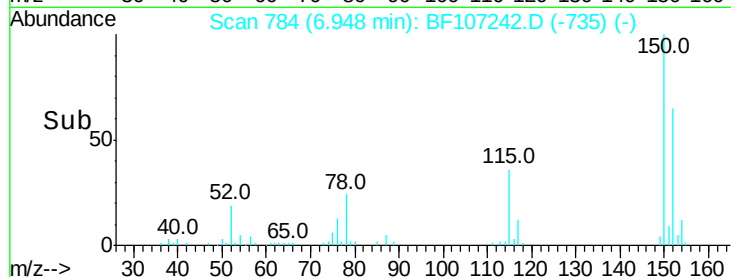
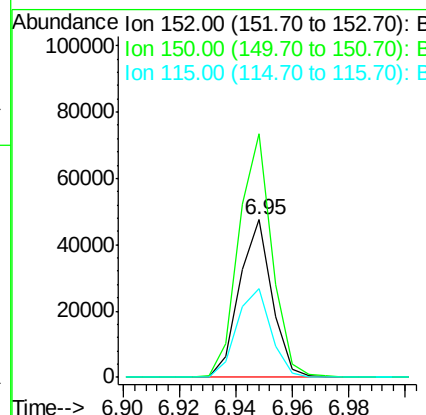
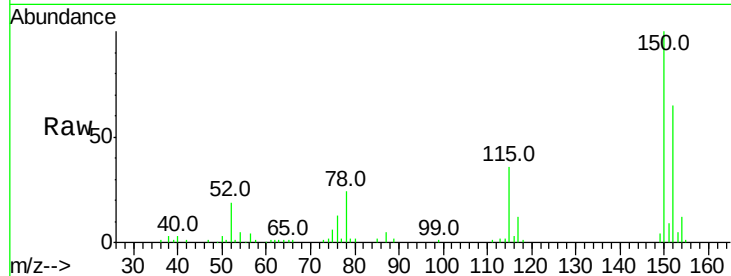
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107242.D
Acq: 9 Jul 2018 21:14

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	56.1	50.1	75.1

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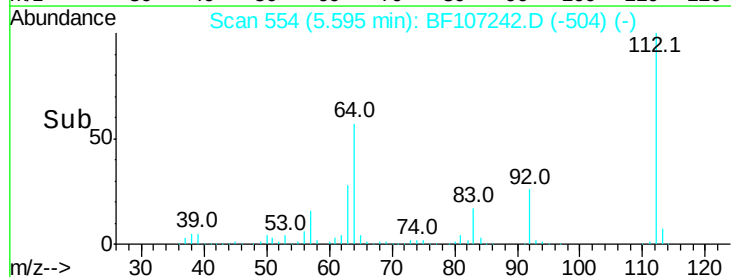
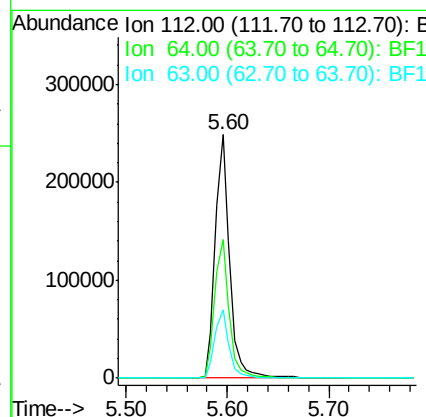
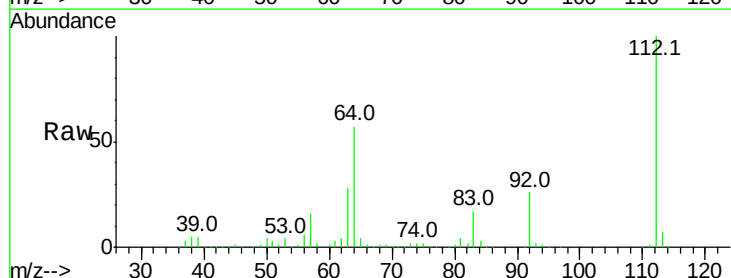
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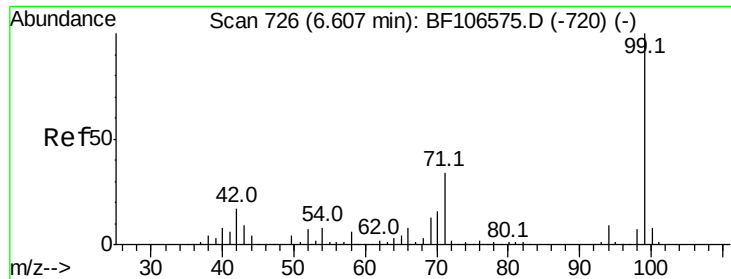


#5

2-Fluorophenol
Concen: 110.486 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107242.D
Acq: 9 Jul 2018 21:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	28.0	23.7	35.5





#7

Phenol-d6

Concen: 105.099 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107242.D

Acq: 9 Jul 2018 21:14

Instrument :

BNA_F

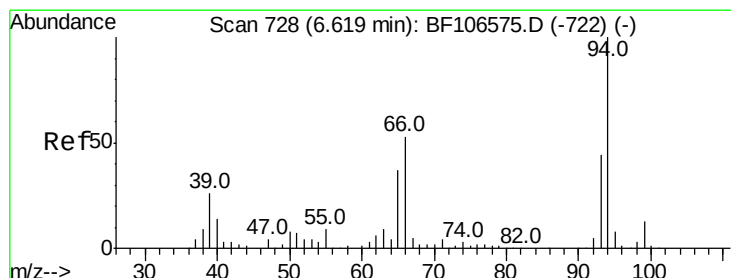
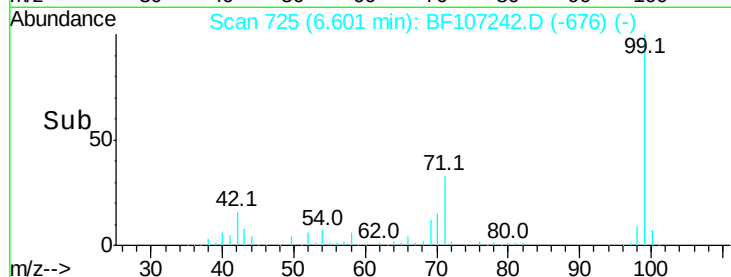
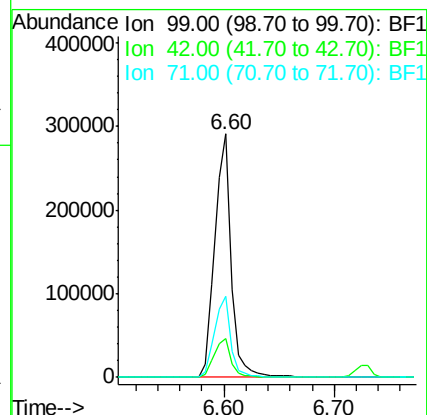
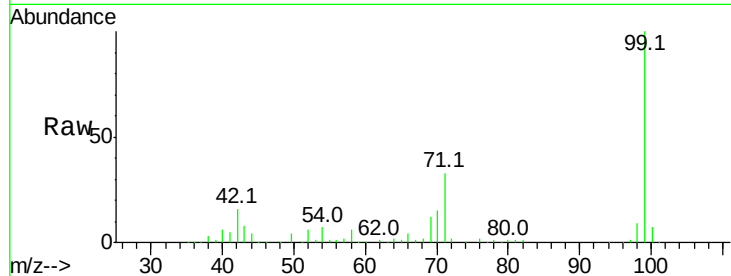
ClientSampleId :

SURCHARGE-SP-9

Tot Ion:	99	Resp:	294148
Ion Ratio	Lower	Upper	
99	100		
42	15.8	14.5	21.7
71	33.2	25.4	38.0

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#10

Phenol

Concen: 2.217 ng

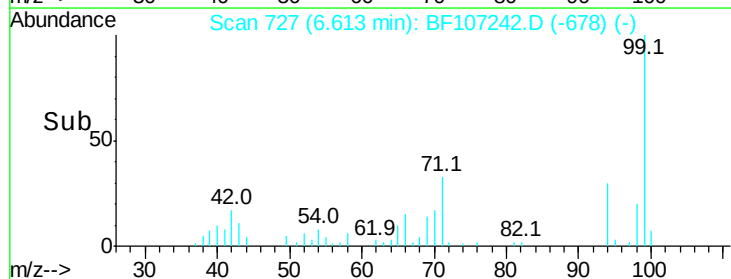
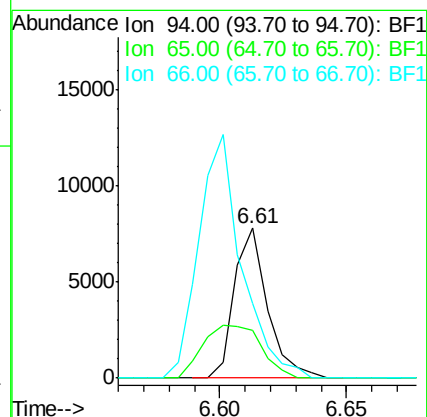
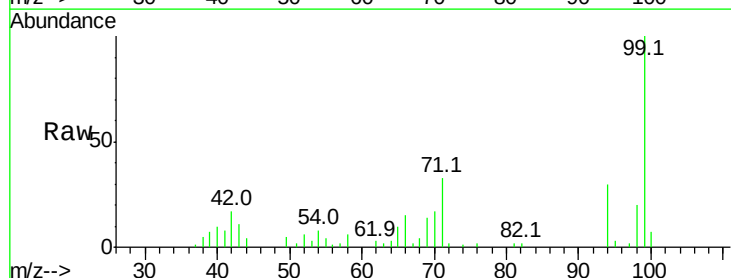
RT: 6.61 min Scan# 727

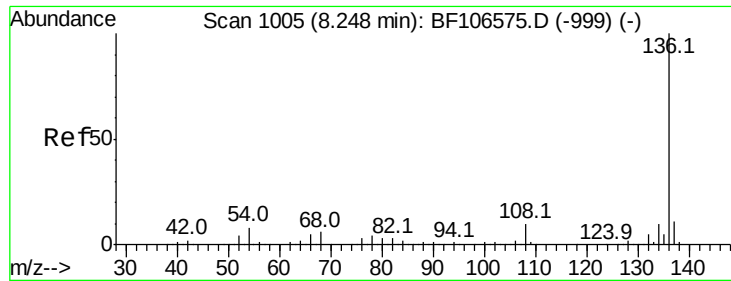
Delta R.T. -0.01 min

Lab File: BF107242.D

Acq: 9 Jul 2018 21:14

Tgt Ion:	94	Resp:	7082
Ion Ratio	Lower	Upper	
94	100		
65	31.7	7.9	47.9
66	50.1	16.2	56.2





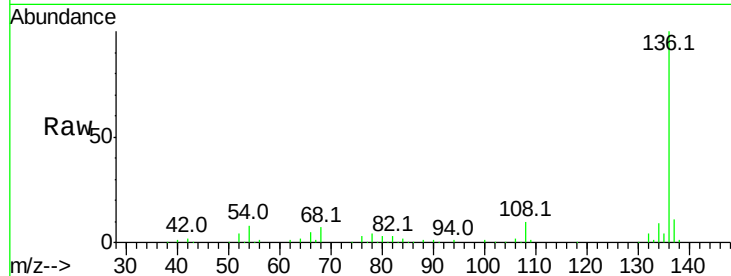
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107242.D
Acq: 9 Jul 2018 21:14

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-9

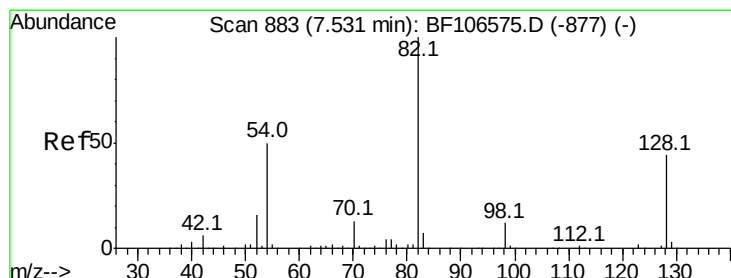
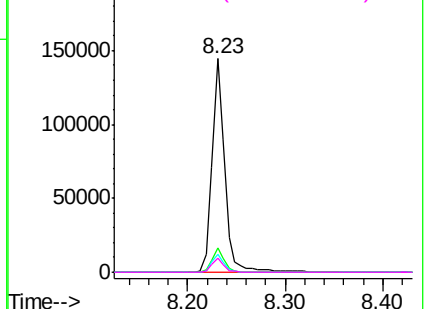
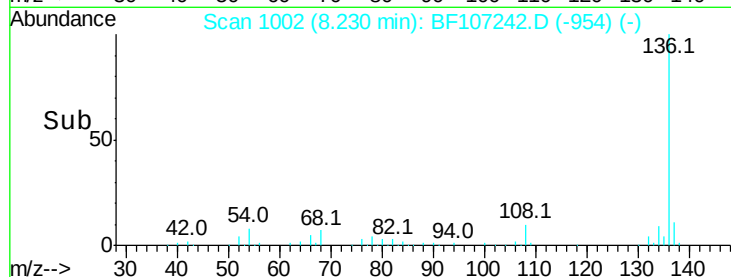
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	8.3	6.6	9.8	
68	6.6	5.0	7.4	

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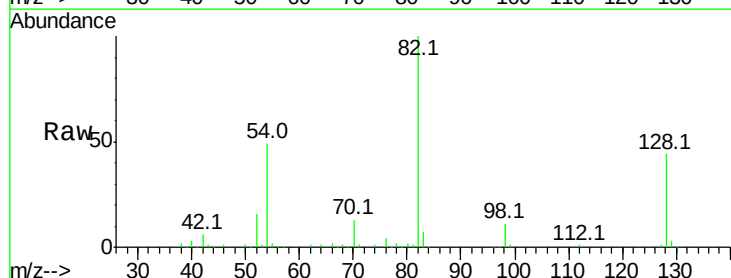


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

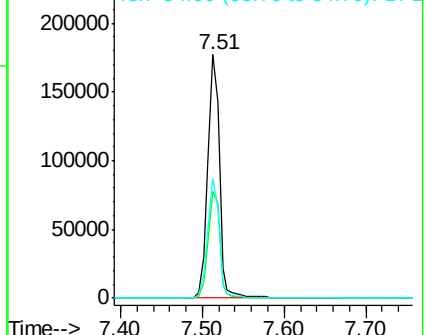
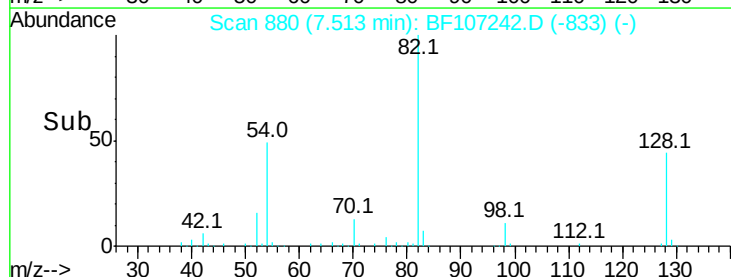


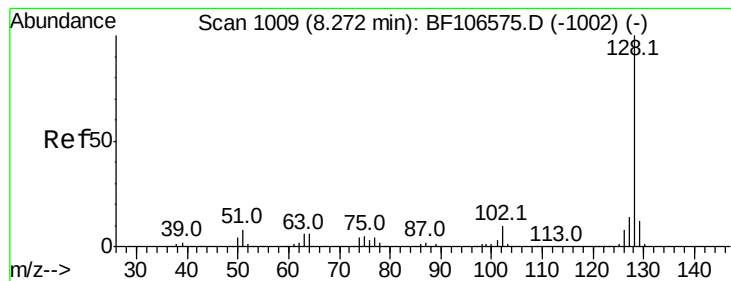
#23
Nitrobenzene-d5
Concen: 74.775 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107242.D
Acq: 9 Jul 2018 21:14

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.7	36.1	54.1	
54	48.9	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 2.010 ng

RT: 8.25 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF107242.D

Acq: 9 Jul 2018 21:14

Instrument :

BNA_F

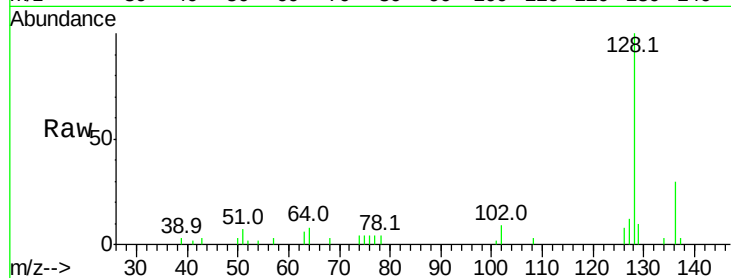
ClientSampleId :

SURCHARGE-SP-9

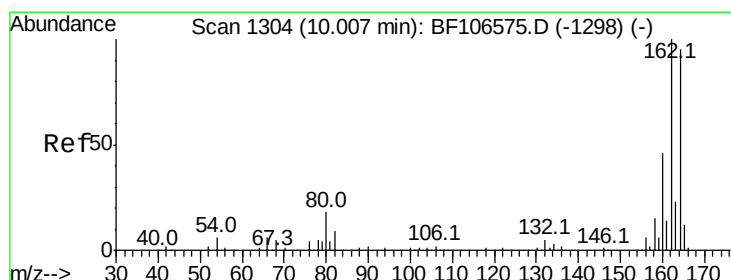
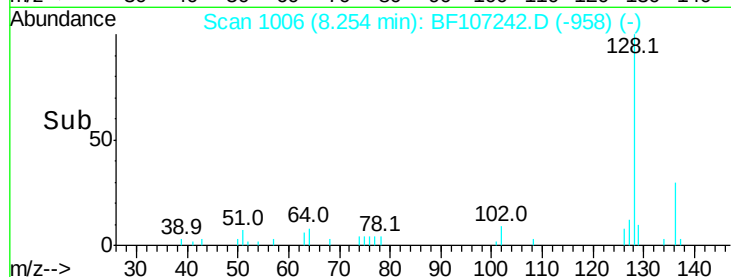
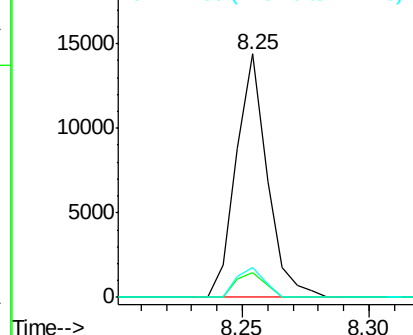
Tot Ion:128	Resp:	12289
Ion Ratio	Lower	Upper
128 100		
129 10.4	8.8	13.2
127 12.2	10.9	16.3

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1301

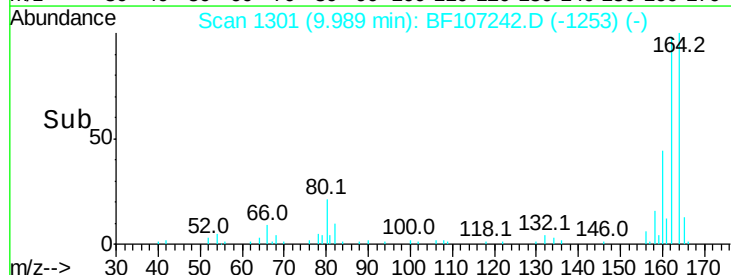
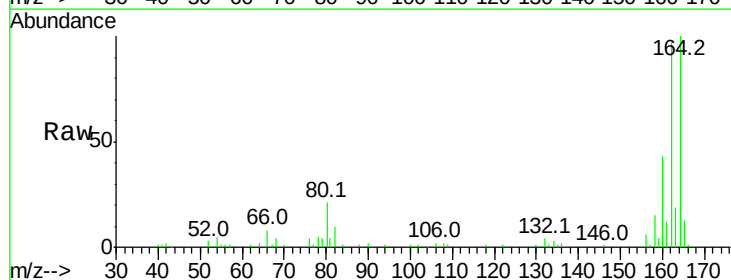
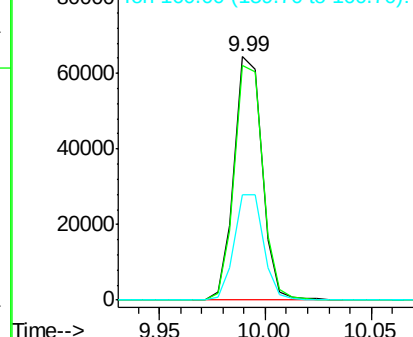
Delta R.T. -0.02 min

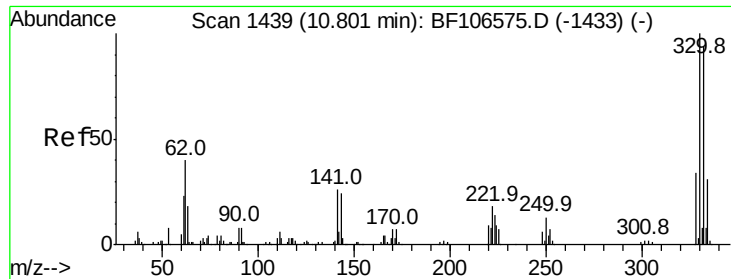
Lab File: BF107242.D

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Tgt Ion:164	Resp:	58936
Ion Ratio	Lower	Upper
164 100		
162 96.5	86.1	129.1
160 43.1	38.3	57.5

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: 114.523 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF107242.D

Acq: 9 Jul 2018 21:14

Instrument :

BNA_F

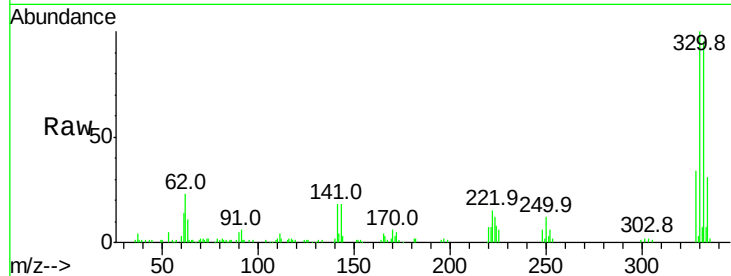
ClientSampleId :

SURCHARGE-SP-9

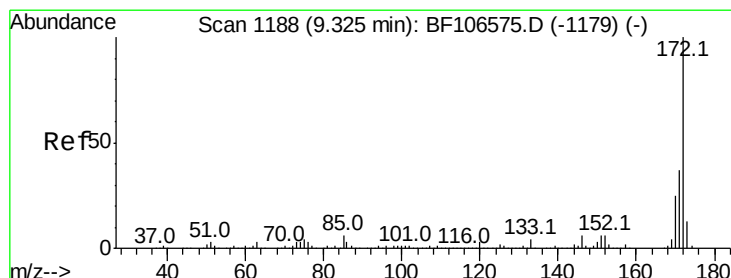
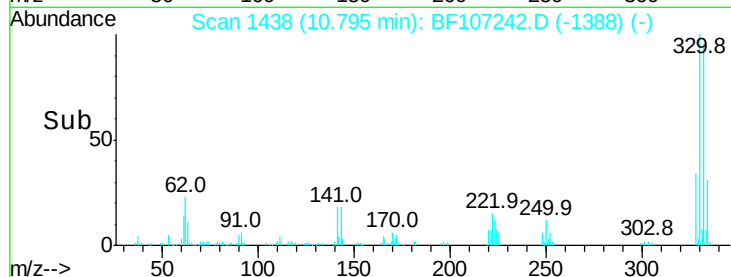
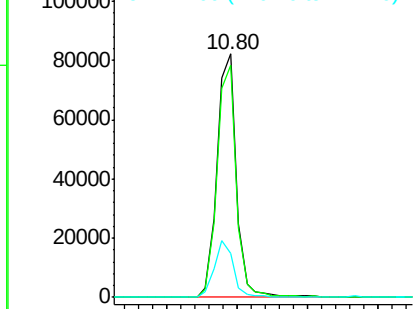
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	23.3	29.9	44.9#

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



#44

2-Fluorobiphenyl

Concen: 88.336 ng

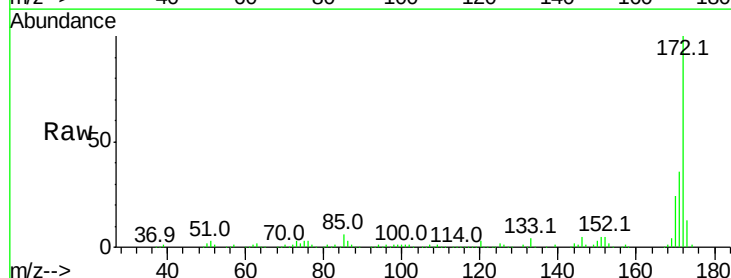
RT: 9.31 min Scan# 1185

Delta R.T. -0.02 min

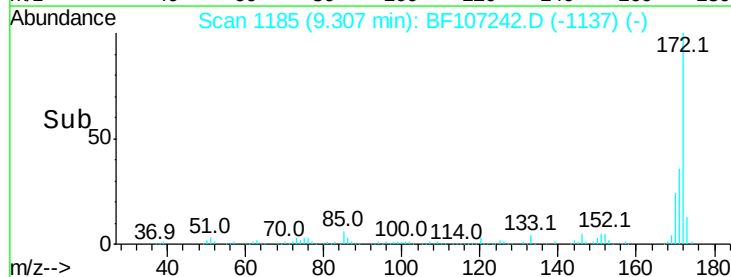
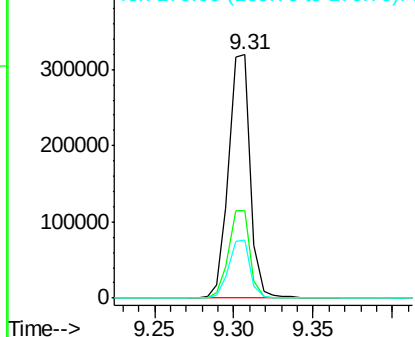
Lab File: BF107242.D

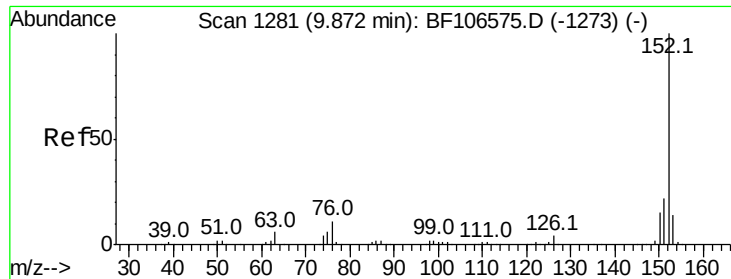
Acq: 9 Jul 2018 21:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.9	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





#48

Acenaphthylene

Concen: 2.665 ng

RT: 9.85 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF107242.D

Acq: 9 Jul 2018 21:14

Instrument :

BNA_F

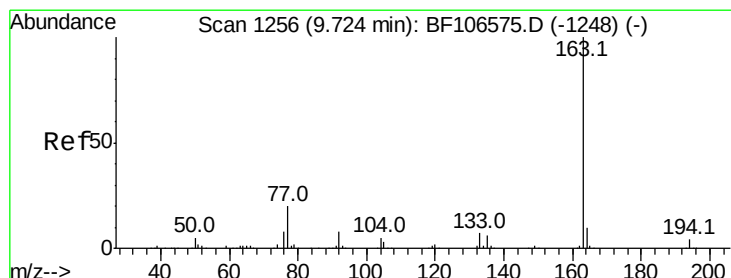
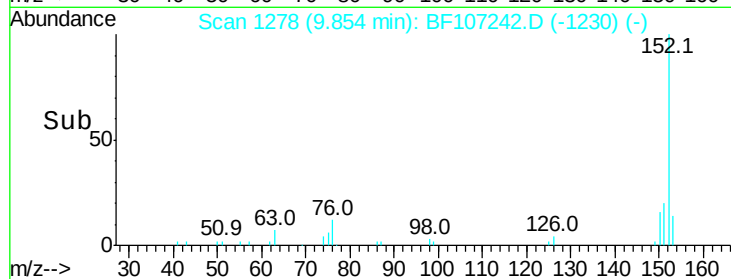
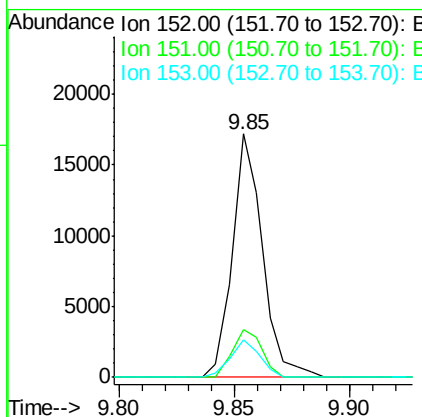
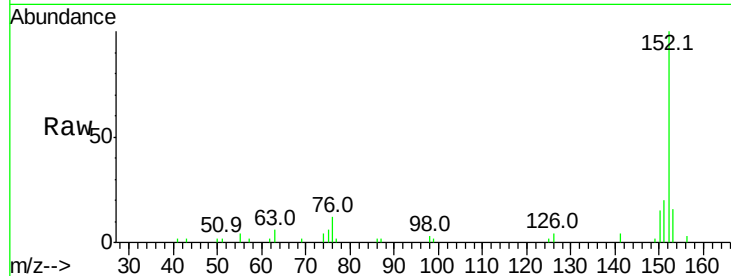
ClientSampleId :

SURCHARGE-SP-9

Tot Ion:	152	Resp:	15556
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.3	24.5
153	15.7	10.7	16.1

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#49

Dimethylphthalate

Concen: 16.680 ng

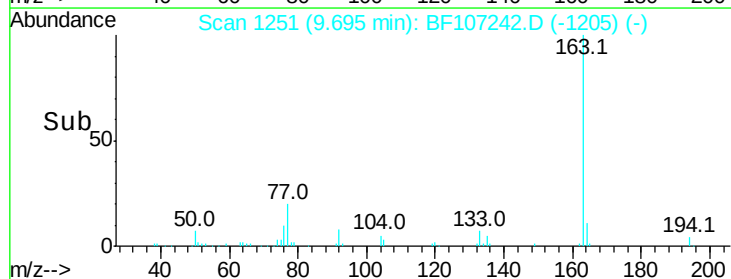
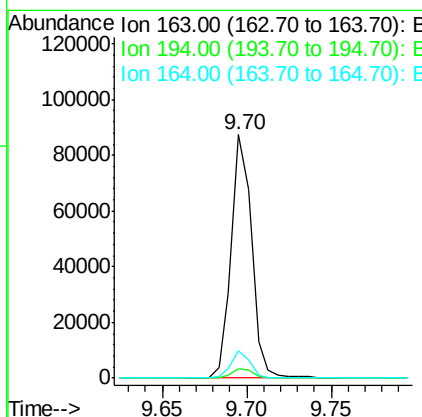
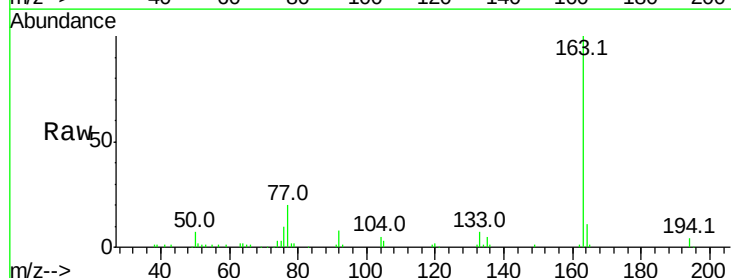
RT: 9.70 min Scan# 1251

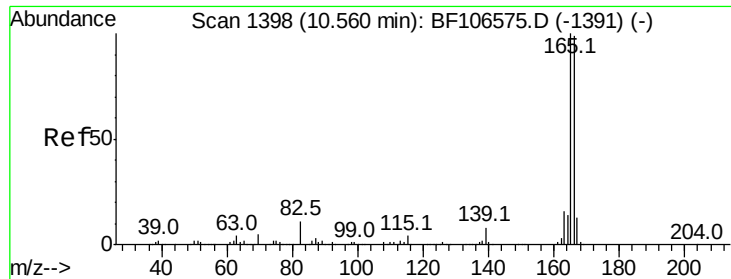
Delta R.T. -0.03 min

Lab File: BF107242.D

Acq: 9 Jul 2018 21:14

Tgt Ion:	163	Resp:	73729
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	11.2	8.2	12.2





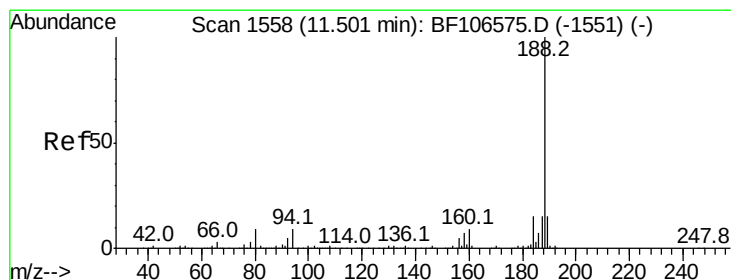
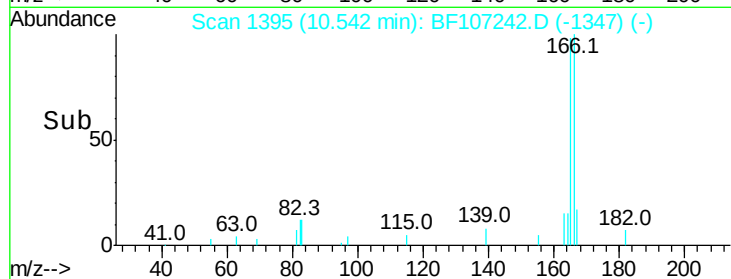
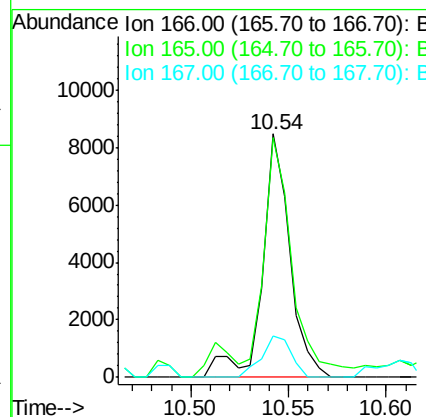
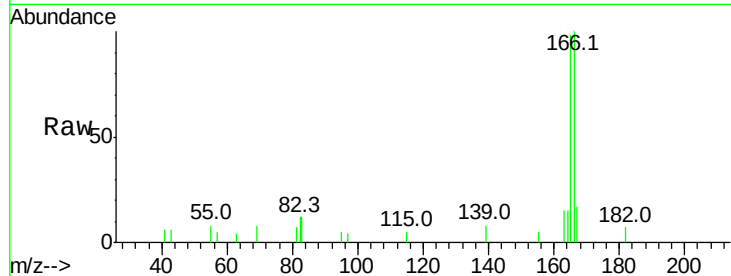
#57
Fluorene
 Concen: 2.077 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. -0.02 min
 Lab File: BF107242.D
 Acq: 9 Jul 2018 21:14

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-9

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.8	119.8
167	17.2	10.6	16.0

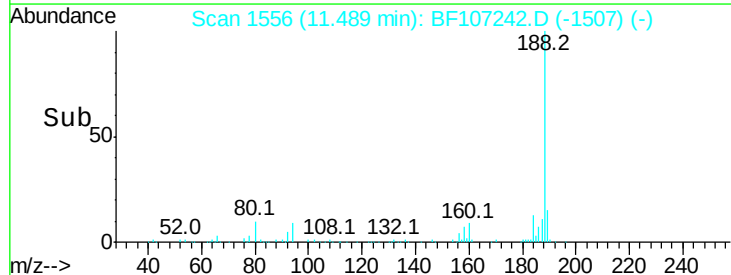
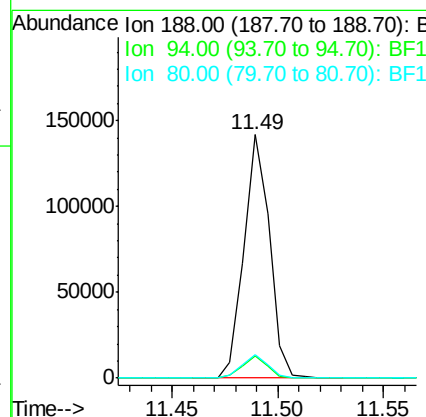
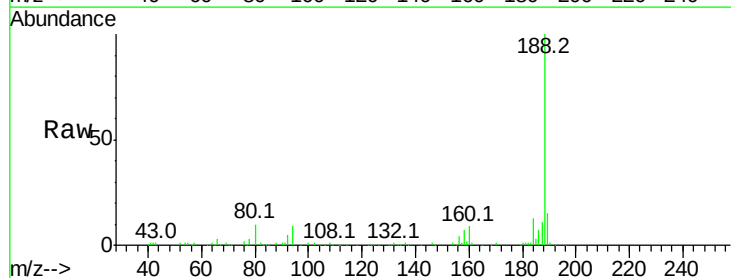
Manual Integrations
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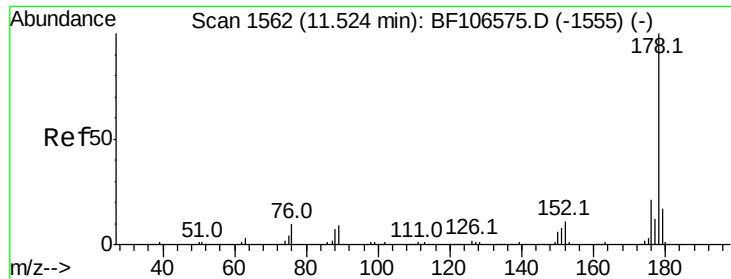
Sohil
 7/10/2018 2:46:55 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107242.D
 Acq: 9 Jul 2018 21:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.5	9.2	13.8





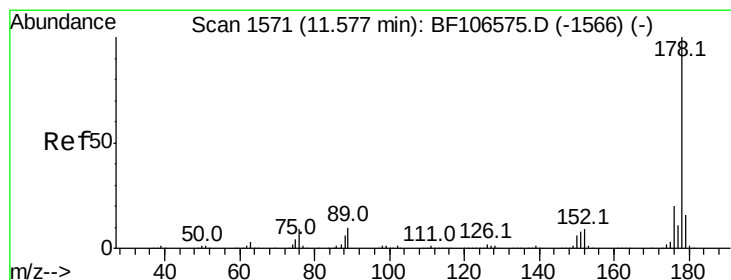
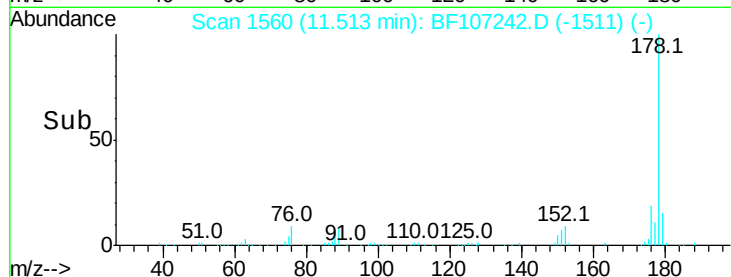
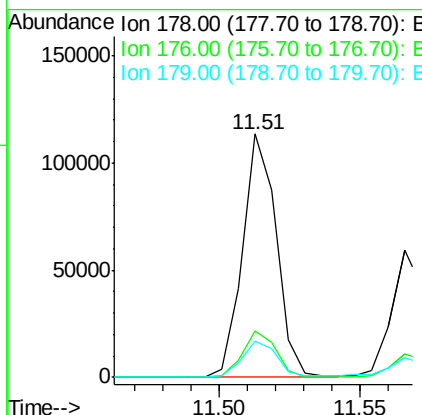
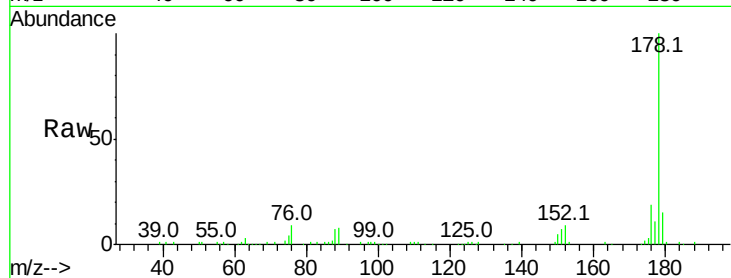
#70
Phenanthrene
Concen: 16.516 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107242.D
Acq: 9 Jul 2018 21:14

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-9

Tot Ion:178 Resp: 94436
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.1 13.0 19.6

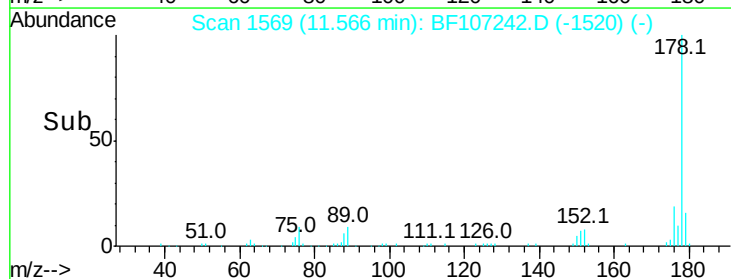
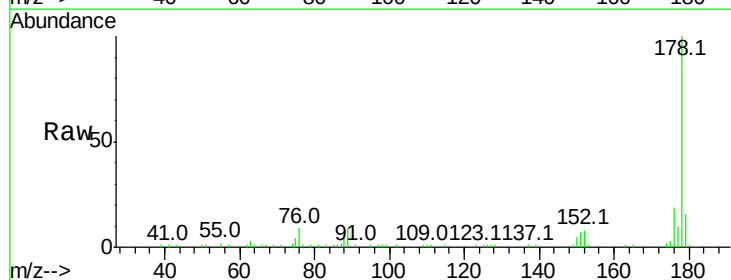
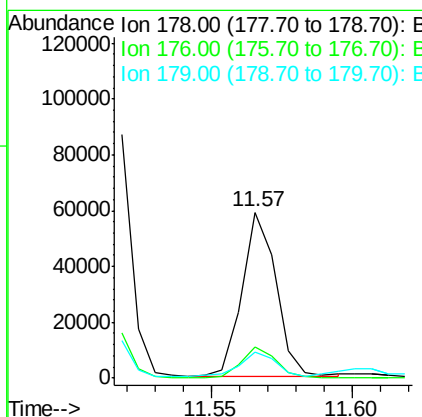
Manual Integrations
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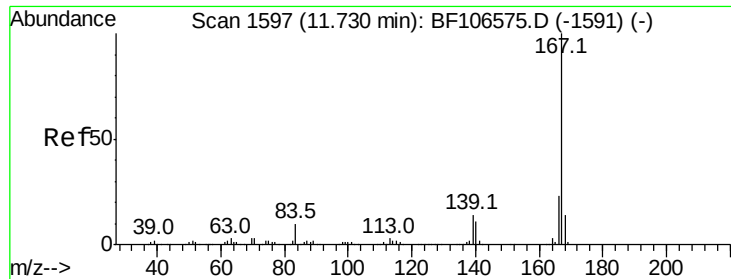
Sohil
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#71
Anthracene
Concen: 8.424 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF107242.D
Acq: 9 Jul 2018 21:14

Tgt Ion:178 Resp: 49167
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.7 12.6 19.0





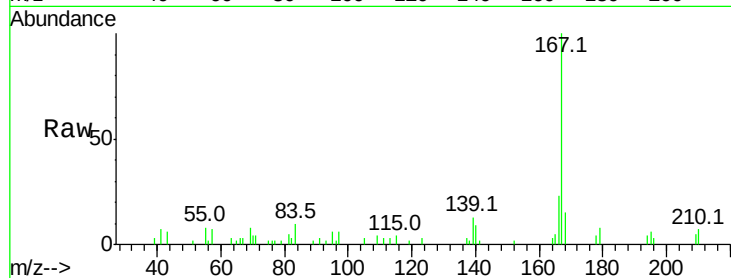
#72
 Carbazole
 Concen: 2.348 ng
 RT: 11.72 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF107242.D
 Acq: 9 Jul 2018 21:14

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-9

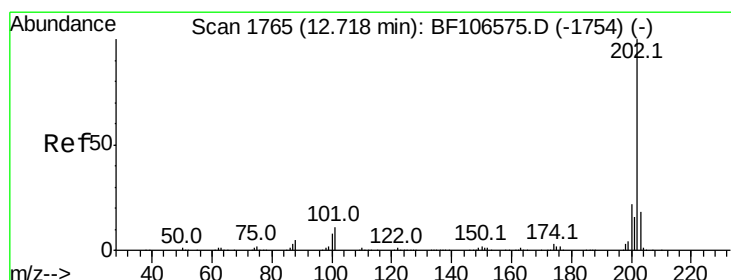
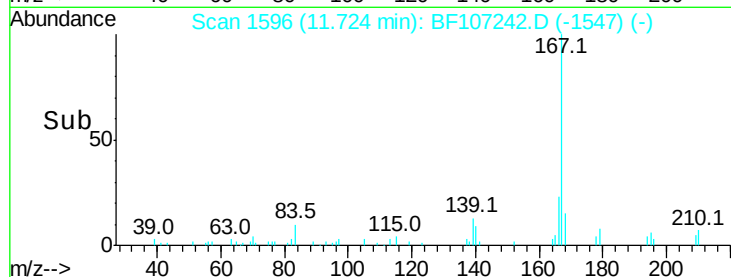
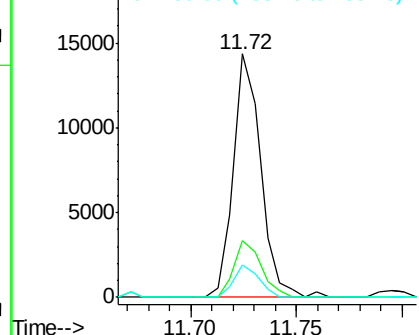
Tot Ion:	167	Resp:	12830
Ion Ratio	Lower	Upper	
167	100		
166	23.3	17.6	26.4
139	13.3	10.9	16.3

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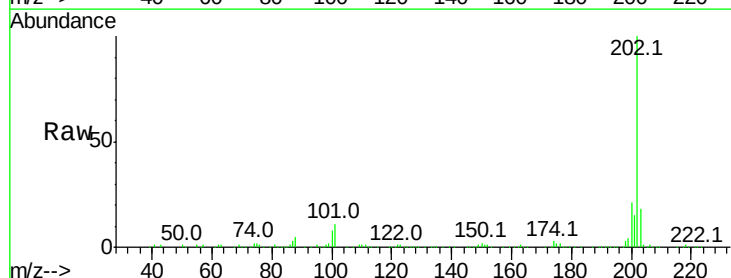


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

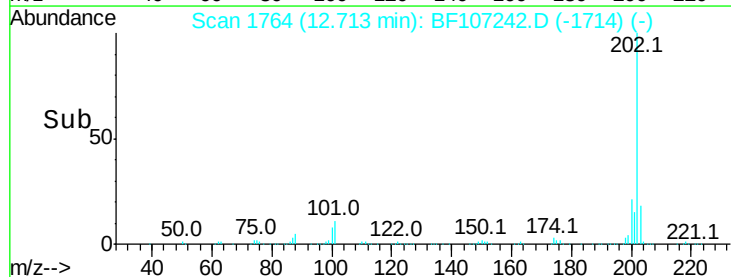
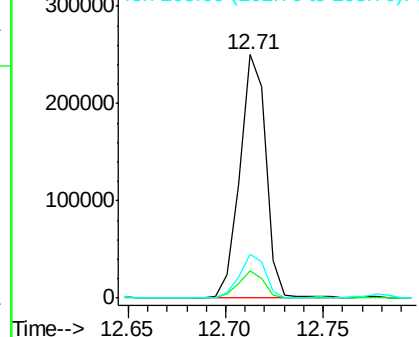


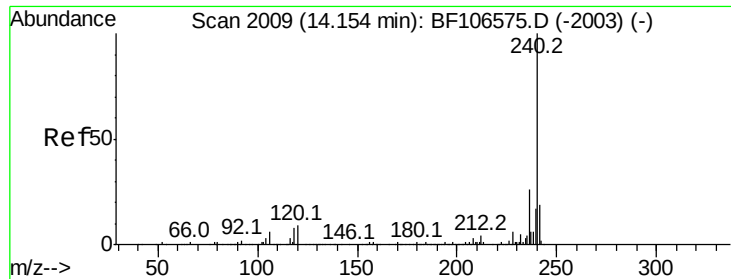
#74
 Fluoranthene
 Concen: 36.882 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF107242.D
 Acq: 9 Jul 2018 21:14

Tgt Ion:	202	Resp:	232437
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	34.1
203	17.8	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107242.D

Acq: 9 Jul 2018 21:14

Instrument :

BNA_F

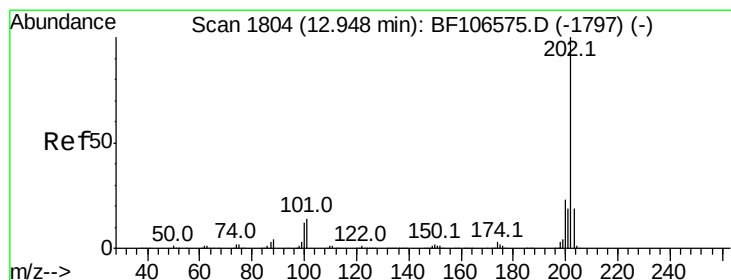
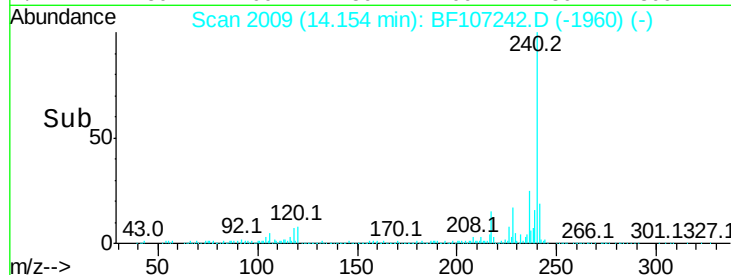
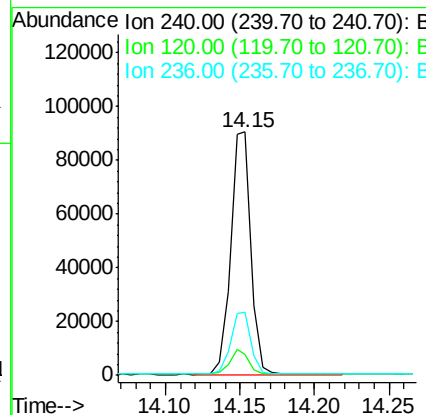
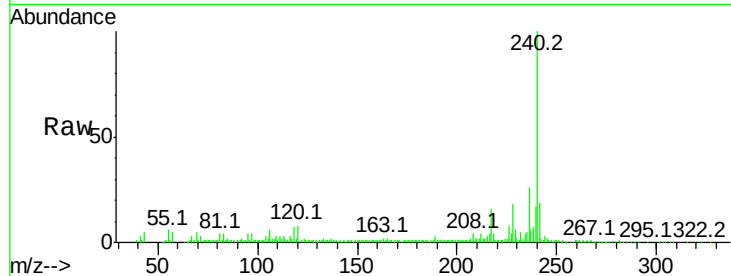
ClientSampleId :

SURCHARGE-SP-9

Tot Ion:	240	Resp:	86618
Ion Ratio	Lower	Upper	
240	100		
120	8.5	9.5	14.3#
236	25.9	20.7	31.1

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#77

Pyrene

Concen: 37.596 ng

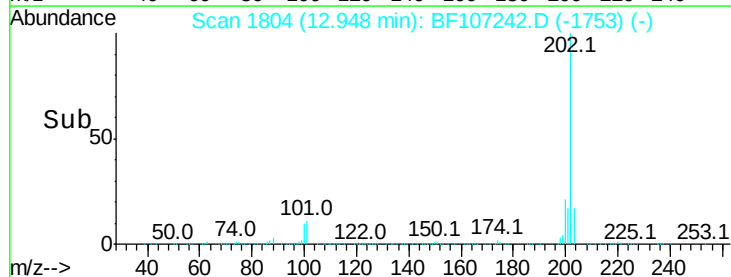
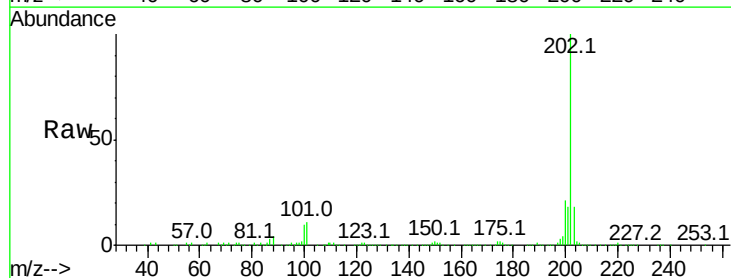
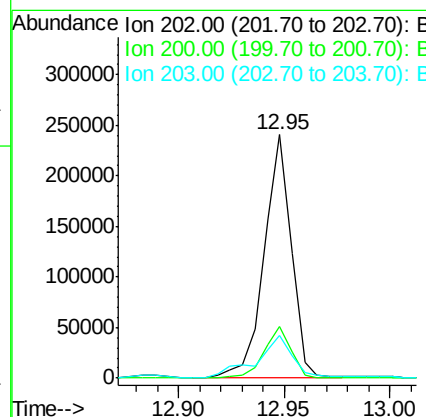
RT: 12.95 min Scan# 1804

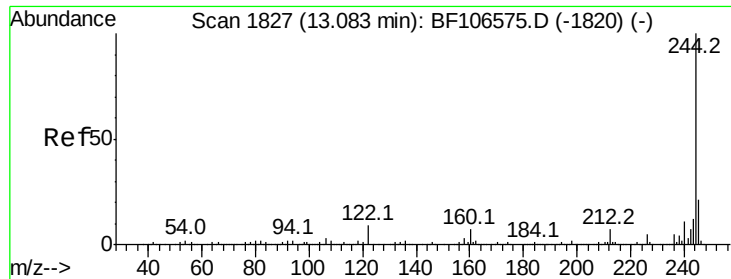
Delta R.T. -0.00 min

Lab File: BF107242.D

Acq: 9 Jul 2018 21:14

Tgt Ion:	202	Resp:	214743
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.8	14.3	21.5





#78

Terphenyl-d14

Concen: 106.183 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107242.D

Acq: 9 Jul 2018 21:14

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-9

Tot Ion:244 Resp: 379696

Ion Ratio Lower Upper

244 100

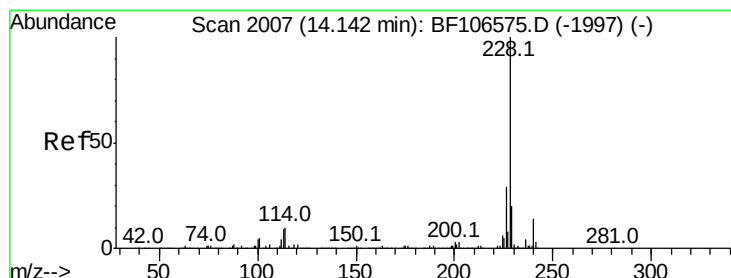
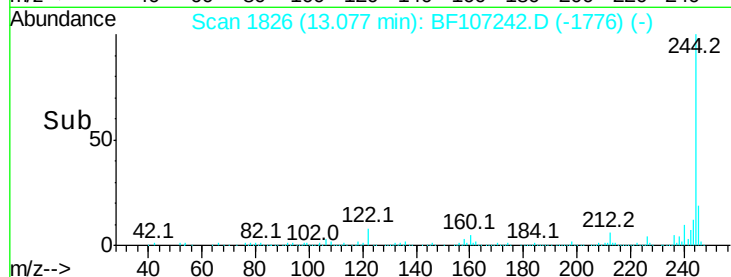
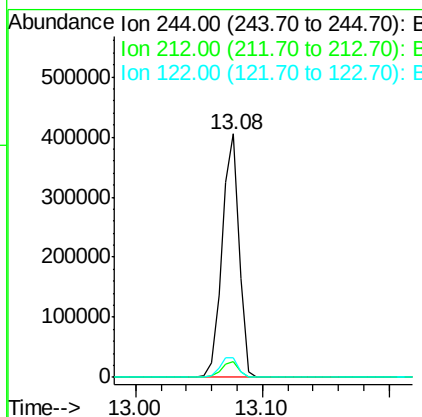
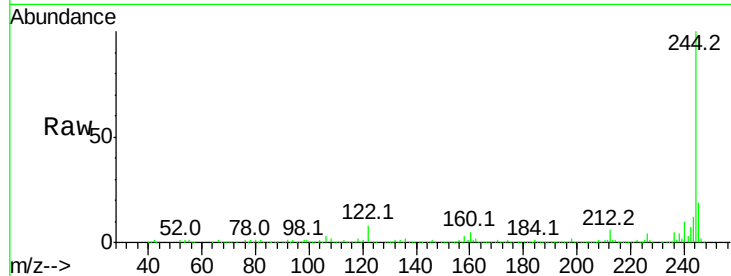
212 6.4 5.4 8.0

122 8.3 11.0 16.4#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 20.132 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107242.D

Acq: 9 Jul 2018 21:14

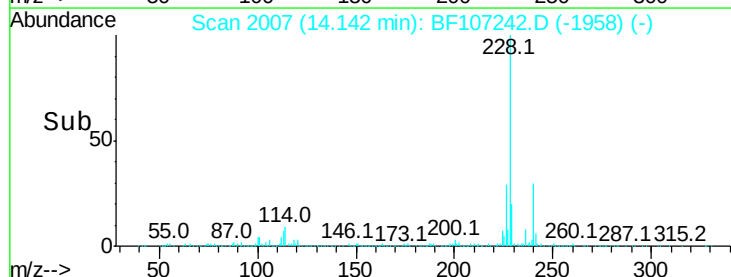
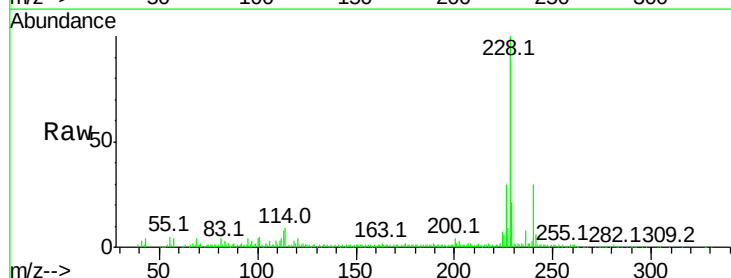
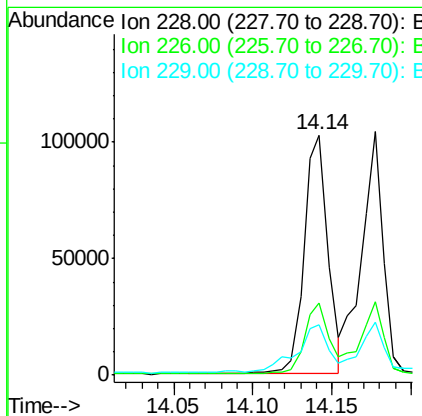
Tgt Ion:228 Resp: 106280

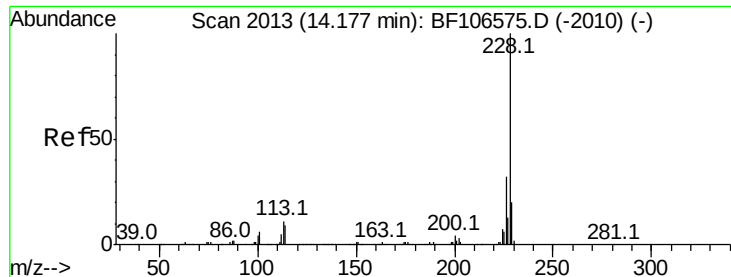
Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

229 21.1 15.8 23.6





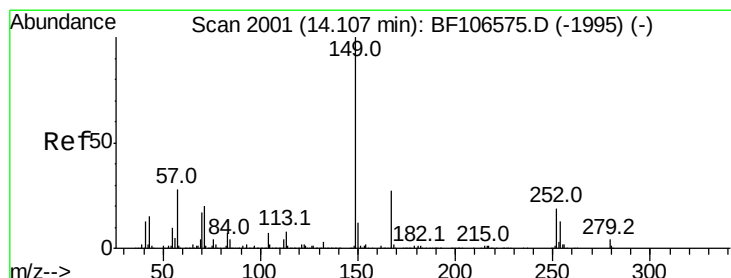
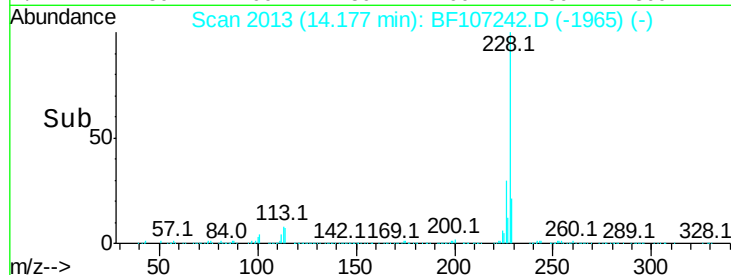
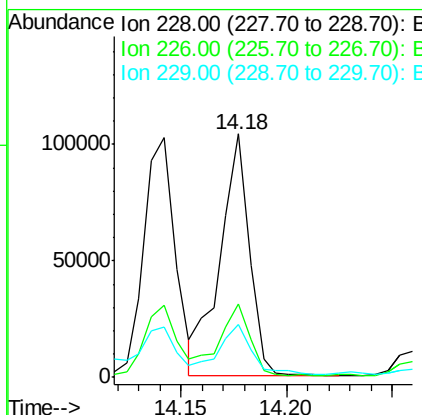
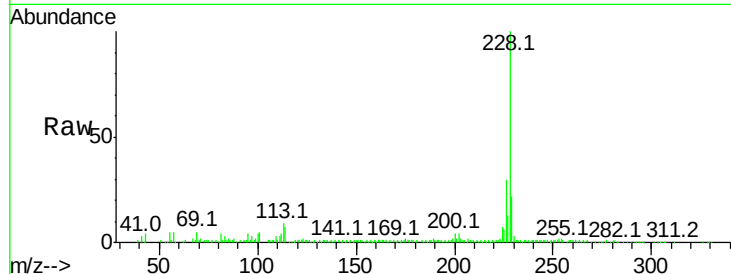
#82
Chrysene
Concen: 20.645 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107242.D
Acq: 9 Jul 2018 21:14

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-9

Tot Ion:	228	Resp:	100267
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	21.8	16.2	24.4

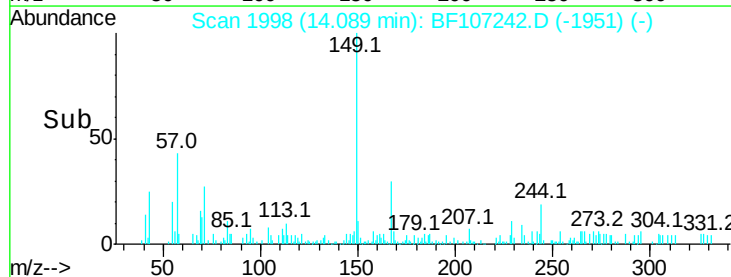
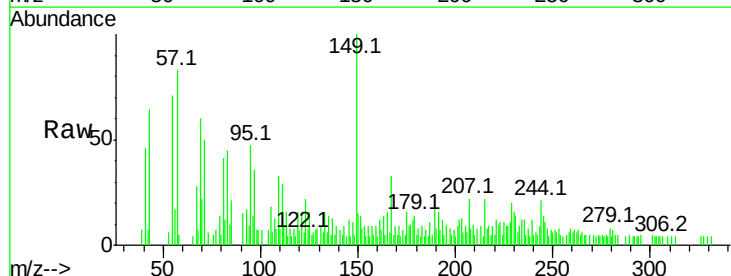
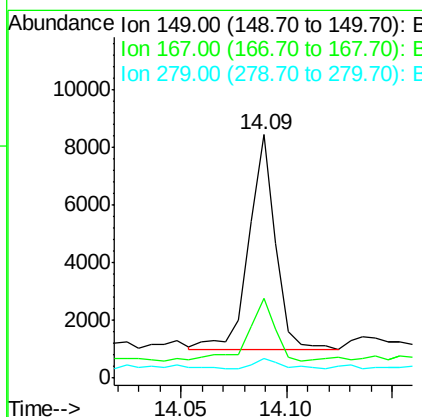
Manual Integrations
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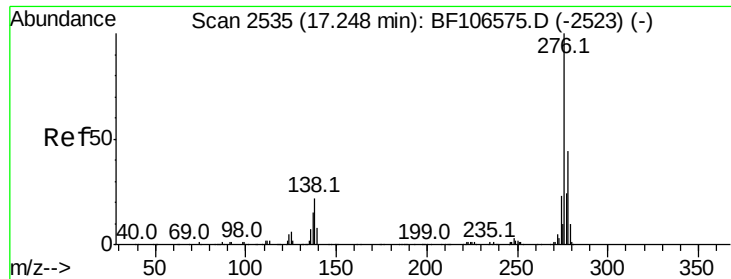
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.188 ng
RT: 14.09 min Scan# 1998
Delta R.T. -0.02 min
Lab File: BF107242.D
Acq: 9 Jul 2018 21:14

Tgt Ion:	149	Resp:	6569
Ion Ratio	Lower	Upper	
149	100		
167	32.6	21.3	31.9#
279	8.1	3.0	4.4#





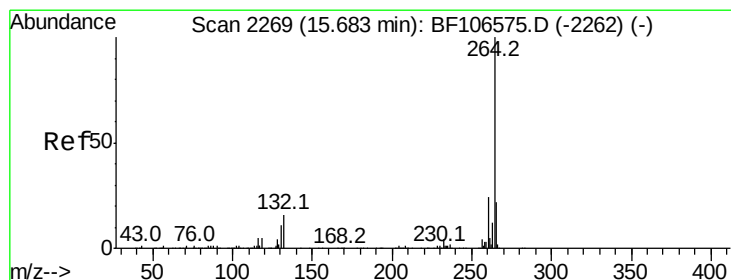
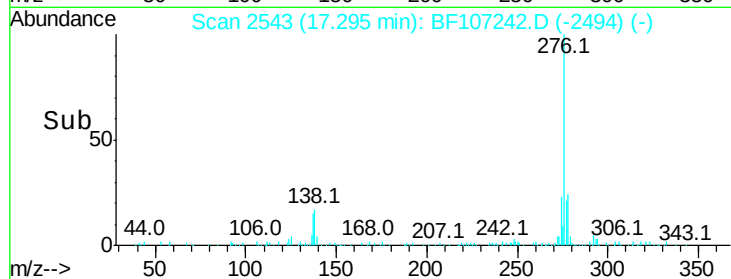
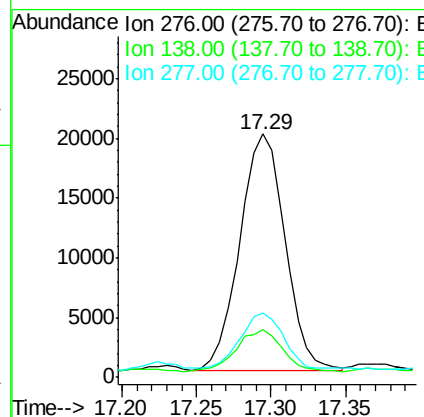
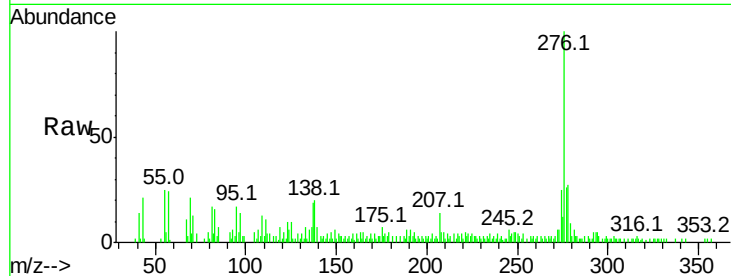
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.048 ng
 RT: 17.29 min Scan# 2543
 Delta R.T. -0.01 min
 Lab File: BF107242.D
 Acq: 9 Jul 2018 21:14

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-9

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.4	25.0	37.6#
277	22.4	20.1	30.1

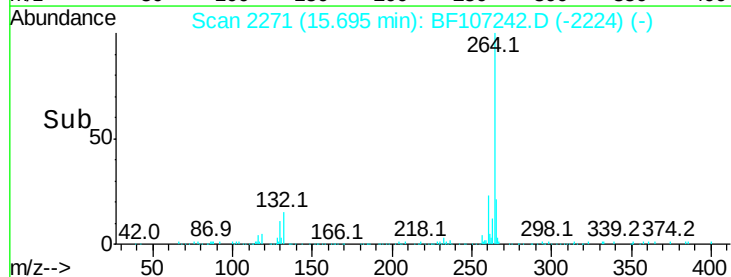
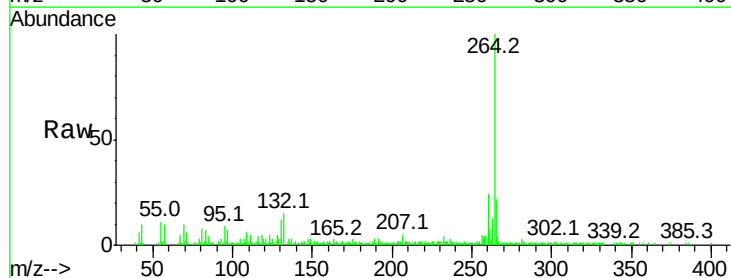
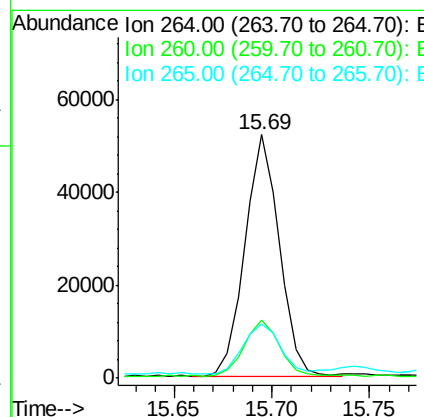
Manual Integrations
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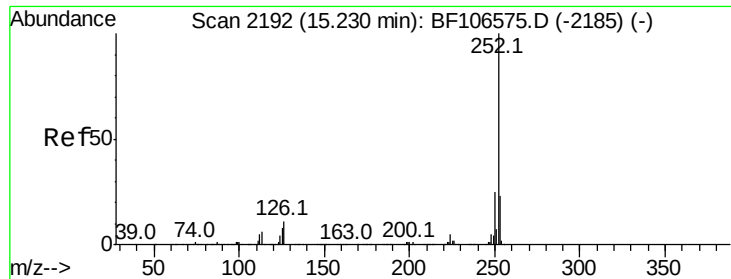
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF107242.D
 Acq: 9 Jul 2018 21:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.3	17.5	26.3





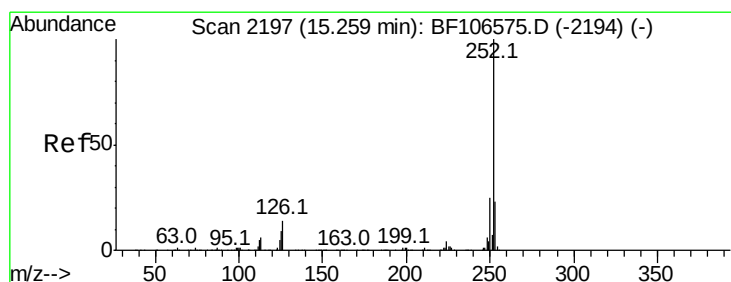
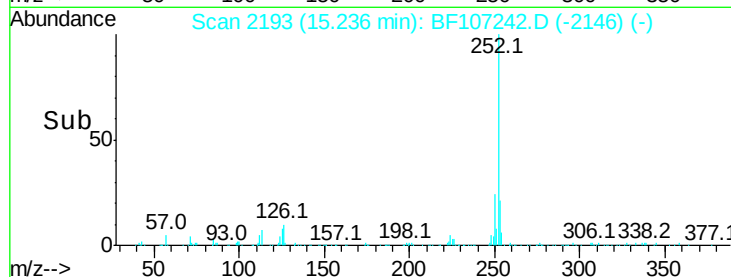
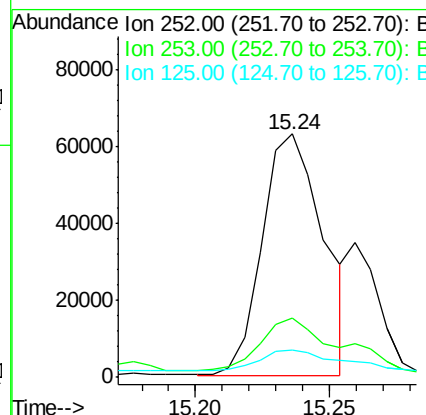
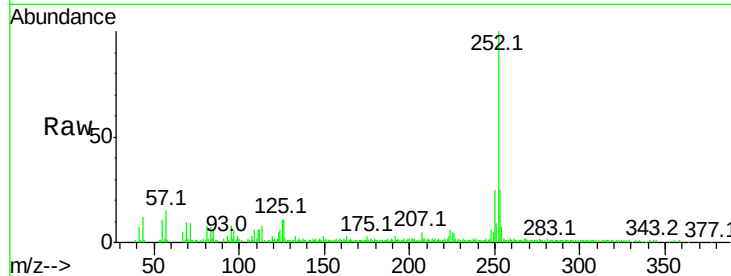
#87
Benzo(b)fluoranthene
Concen: 25.012 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107242.D
Acq: 9 Jul 2018 21:14

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	11.1	9.0	13.6

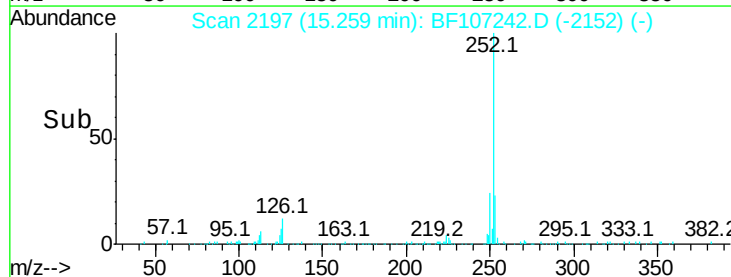
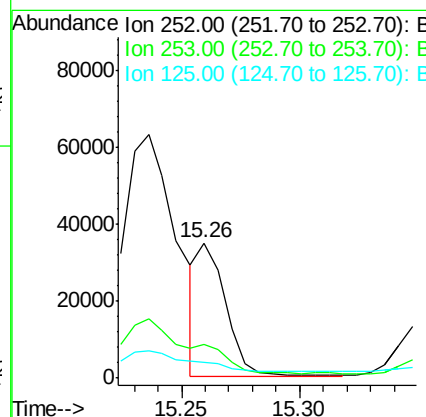
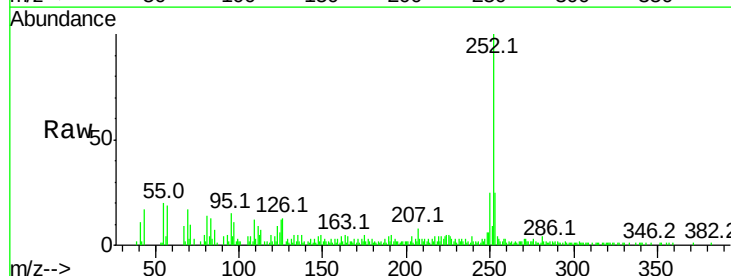
Manual Integrations
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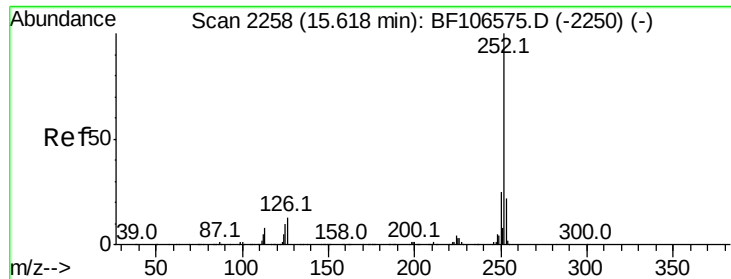
Sohil
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#88
Benzo(k)fluoranthene
Concen: 7.550 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF107242.D
Acq: 9 Jul 2018 21:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	12.1	10.2	15.2





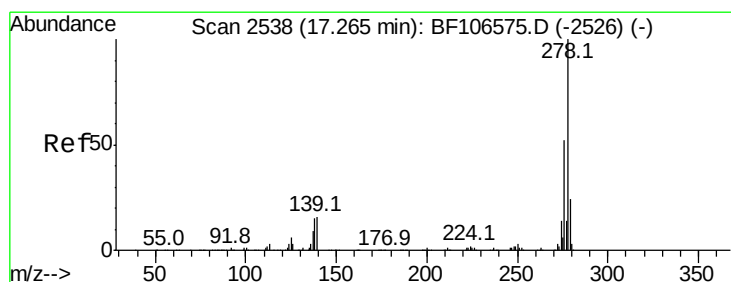
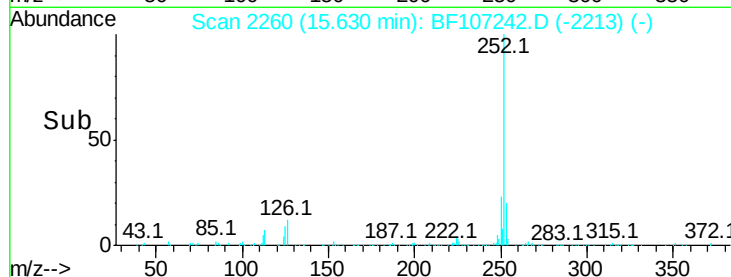
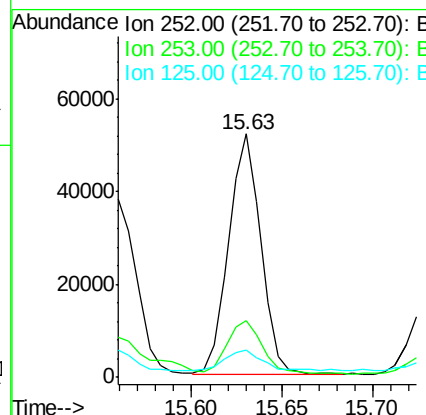
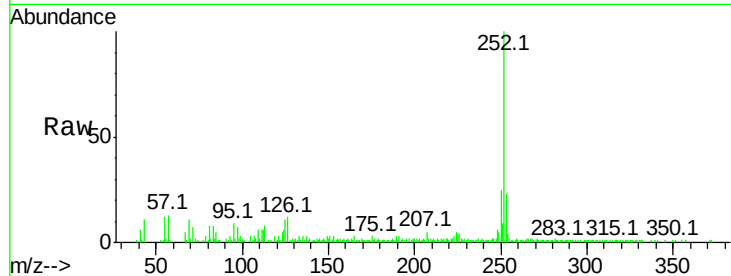
#89
Benzo(a)pyrene
Concen: 18.216 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF107242.D
Acq: 9 Jul 2018 21:14

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	11.0	9.8	14.6

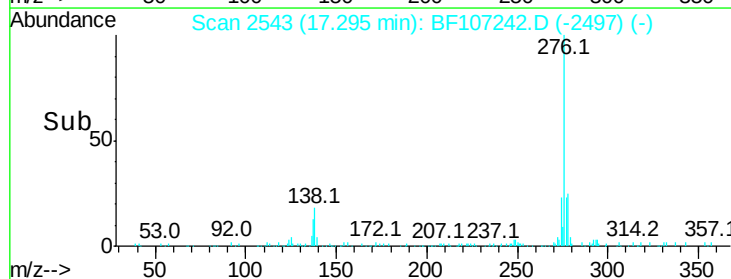
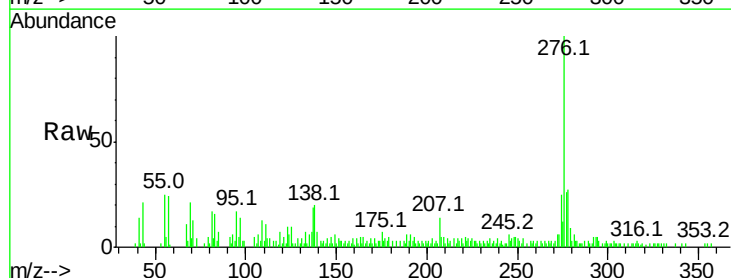
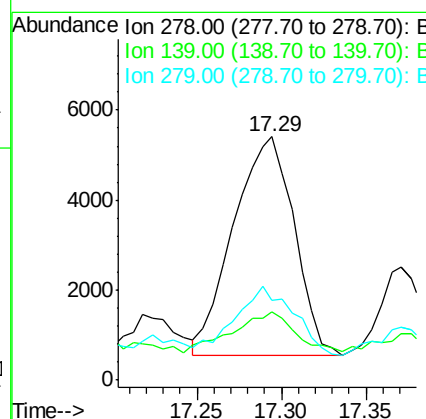
Manual Integrations
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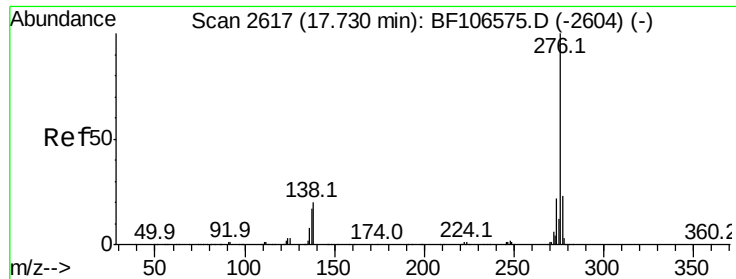
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#90
Dibenzo(a,h)anthracene
Concen: 4.068 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.03 min
Lab File: BF107242.D
Acq: 9 Jul 2018 21:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.2	15.9	23.9#
279	32.7	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 13.500 ng
 RT: 17.79 min Scan# 2627
 Delta R.T. -0.00 min
 Lab File: BF107242.D
 Acq: 9 Jul 2018 21:14

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-9

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	17.9	26.9
138	18.7	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 7/10/2018 2:46:55 PM

