

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107227.D
 Acq On : 9 Jul 2018 14:34
 Operator : JU/SJ
 Sample : J3881-07RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-24RE

Manual Integrations
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 7/10/2018 2:46:16 PM

Quant Time: Jul 09 16:54:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	43314	20.00	ng	-0.02
21) Naphthalene-d8	8.23	136	161971	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	73556	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	127701	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	114400	20.00	ng	-0.02
86) Perylene-d12	15.70	264	84864	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	284975	111.41	ng	-0.01
7) Phenol-d6	6.61	99	359123	112.42	ng	0.00
23) Nitrobenzene-d5	7.51	82	220306	75.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	94412	110.74	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	391492	91.16	ng	-0.02
78) Terphenyl-d14	13.07	244	398858	84.45	ng	-0.01
Target Compounds						
10) Phenol	6.62	94	7918	2.172	ng	Qvalue # 68
31) Naphthalene	8.25	128	19217	2.538	ng	99
37) 2-Methylnaphthalene	8.94	142	10387	2.069	ng	98
49) Dimethylphthalate	9.70	163	62175	11.270	ng	98
51) Acenaphthene	10.02	154	10974	2.392	ng	96
54) Dibenzofuran	10.20	168	13861	2.207	ng	96
57) Fluorene	10.54	166	13029	2.614	ng	# 93
70) Phenanthrene	11.51	178	99503	16.155	ng	98
71) Anthracene	11.56	178	31900	5.074	ng	99
74) Fluoranthene	12.71	202	208808	30.758	ng	95
77) Pyrene	12.94	202	201926	26.767	ng	99
80) Benzo(a)anthracene	14.14	228	126386	18.127	ng	98
82) Chrysene	14.18	228	115746	18.044	ng	98
85) Indeno(1,2,3-cd)pyrene	17.30	276	43930	8.070	ng	# 87
87) Benzo(b)fluoranthene	15.24	252	140160m	26.587	ng	
88) Benzo(k)fluoranthene	15.27	252	35777m	7.127	ng	
89) Benzo(a)pyrene	15.64	252	82788	17.665	ng	96
90) Dibenzo(a,h)anthracene	17.30	278	12636	3.182	ng	# 84
91) Benzo(a,h,i)perylene	17.79	276	43700	11.257	ng	# 89

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

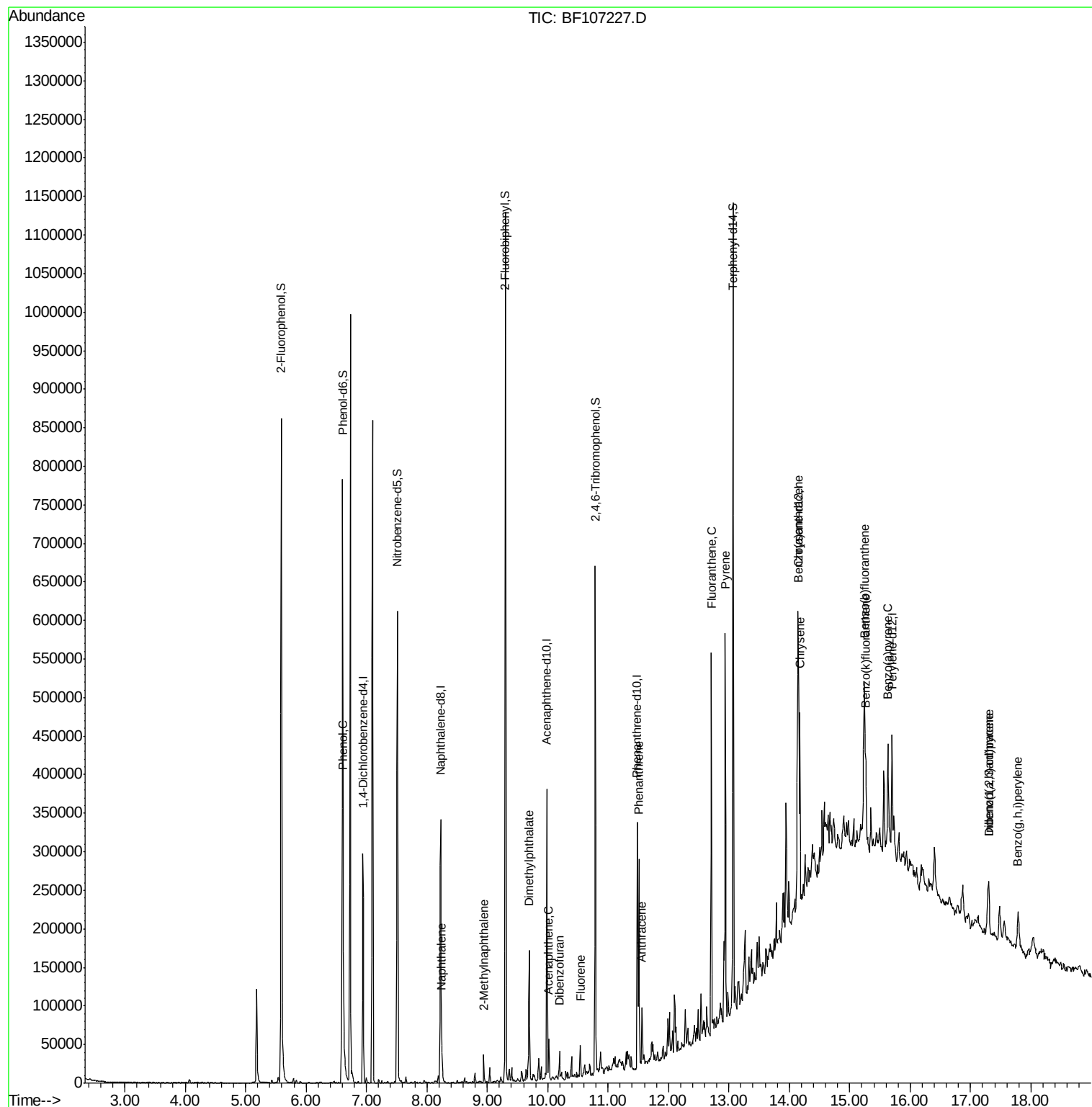
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
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ALS Vial : 8 Sample Multiplier: 1

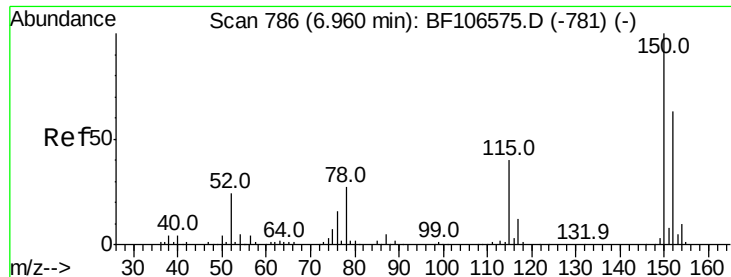
Instrument :
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#1

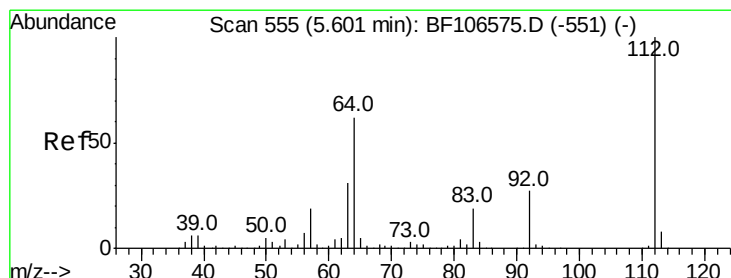
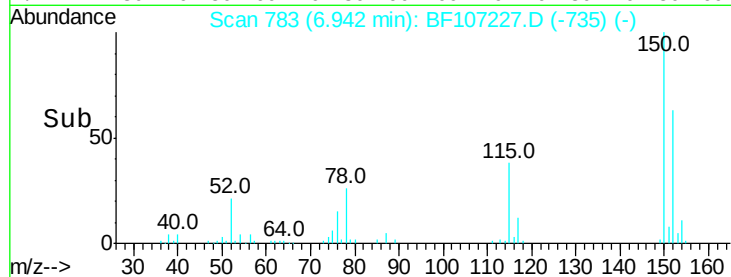
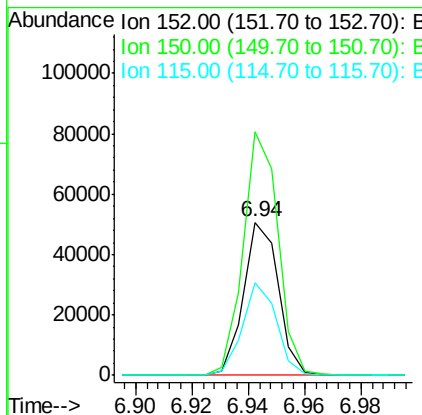
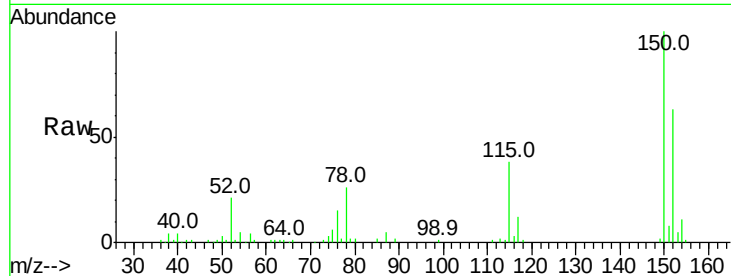
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	60.6	50.1	75.1

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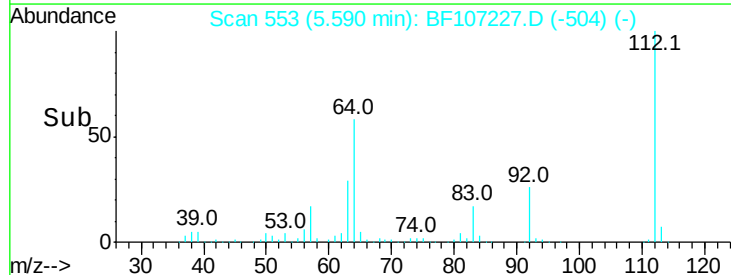
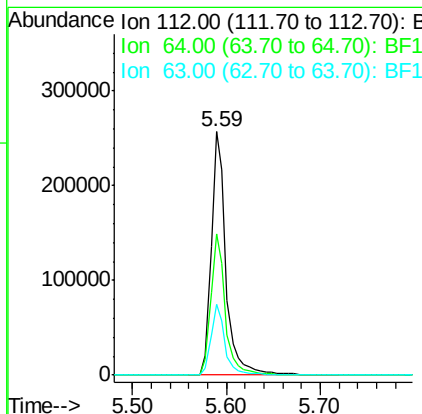
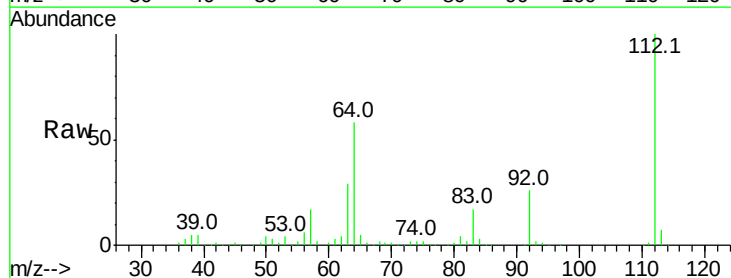
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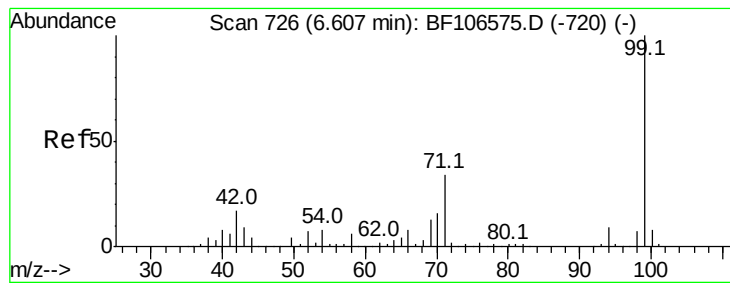


#5

2-Fluorophenol
Concen: 111.408 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.9	71.9
63	29.1	23.7	35.5





#7

Phenol-d6

Concen: 112.424 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107227.D

Acq: 9 Jul 2018 14:34

Instrument :

BNA_F

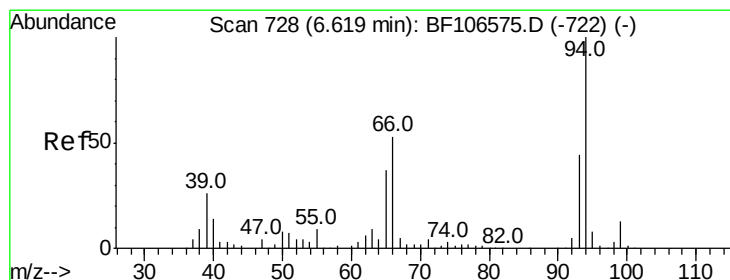
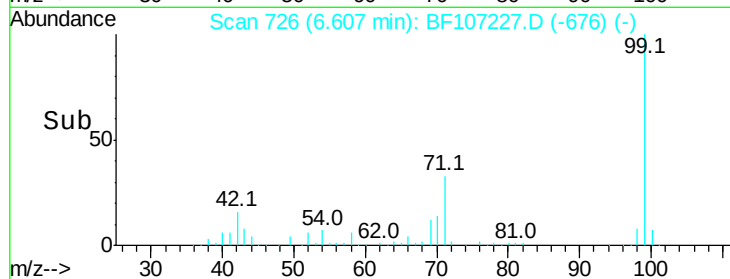
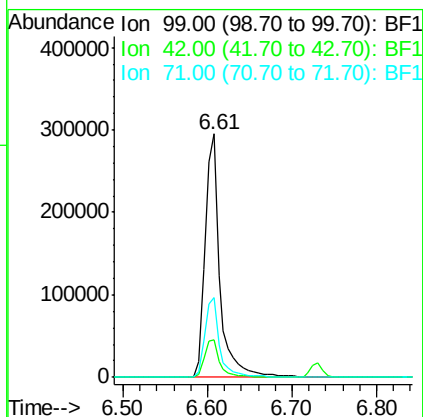
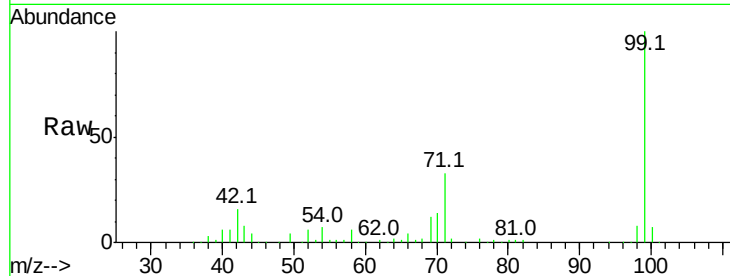
ClientSampleId :

SURCHARGE-SP-24RE

Tot Ion:	99	Resp:	359123
Ion Ratio	Lower	Upper	
99	100		
42	15.6	14.5	21.7
71	32.8	25.4	38.0

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#10

Phenol

Concen: 2.172 ng

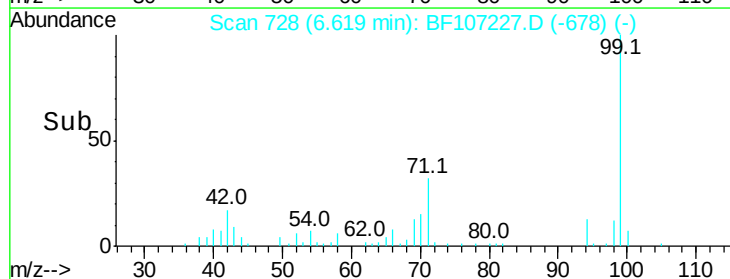
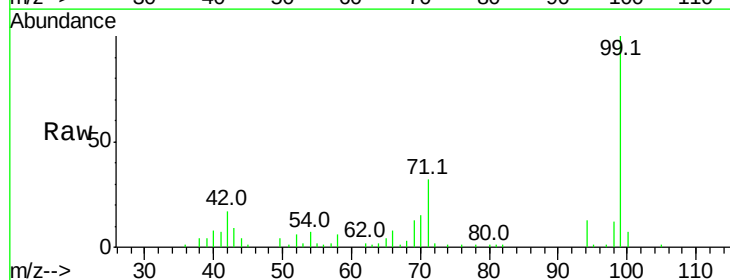
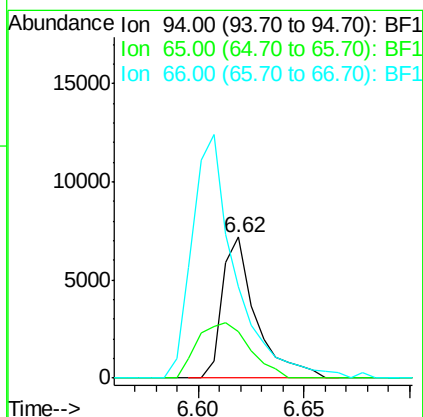
RT: 6.62 min Scan# 728

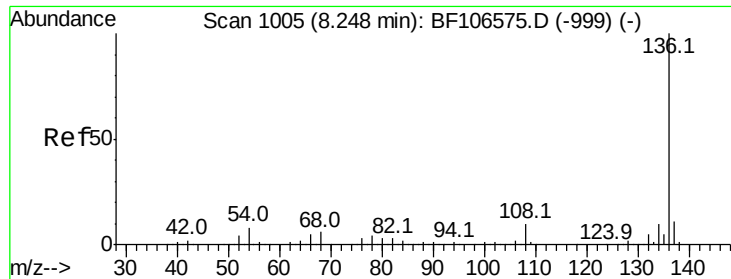
Delta R.T. -0.01 min

Lab File: BF107227.D

Acq: 9 Jul 2018 14:34

Tgt Ion:	94	Resp:	7918
Ion Ratio	Lower	Upper	
94	100		
65	33.2	7.9	47.9
66	65.1	16.2	56.2#





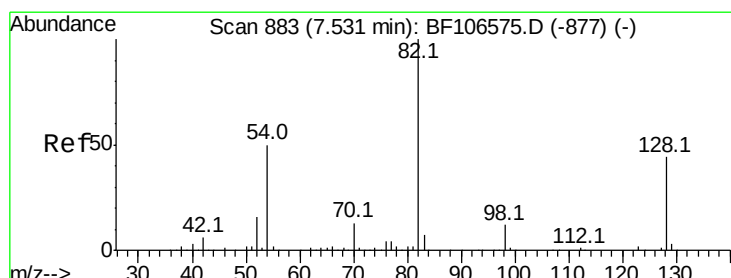
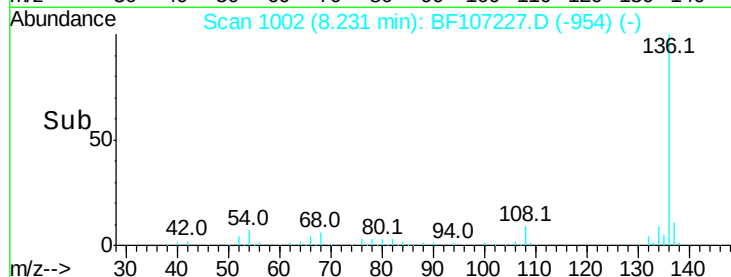
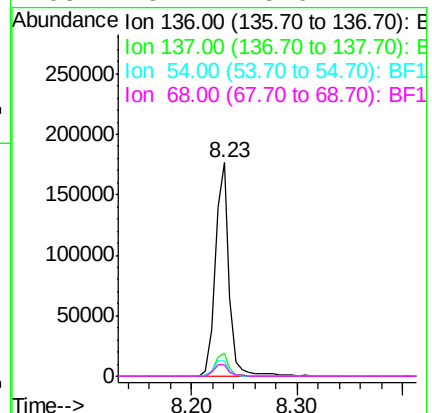
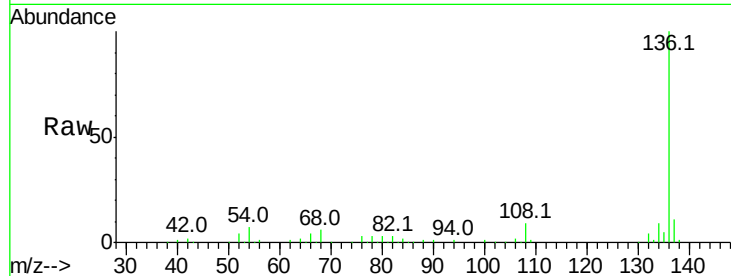
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24RE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.5	8.9	13.3	
54	7.1	6.6	9.8	
68	5.7	5.0	7.4	

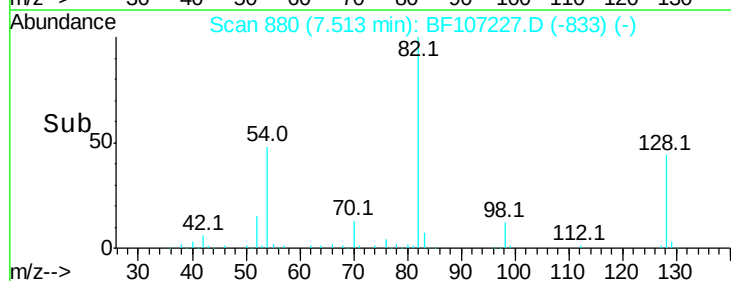
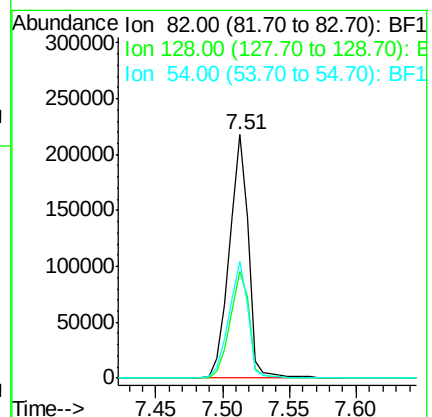
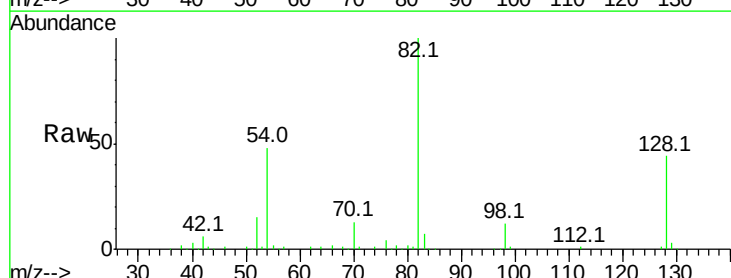
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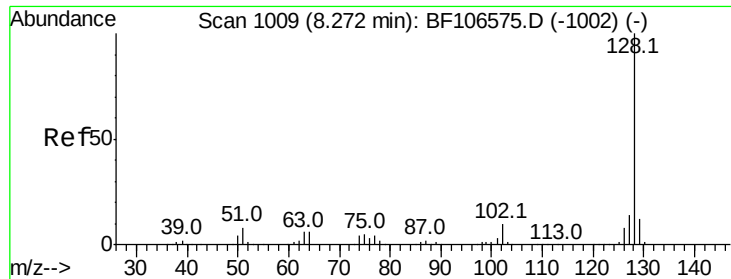
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#23
Nitrobenzene-d5
Concen: 75.589 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.0	36.1	54.1	
54	48.0	41.4	62.2	





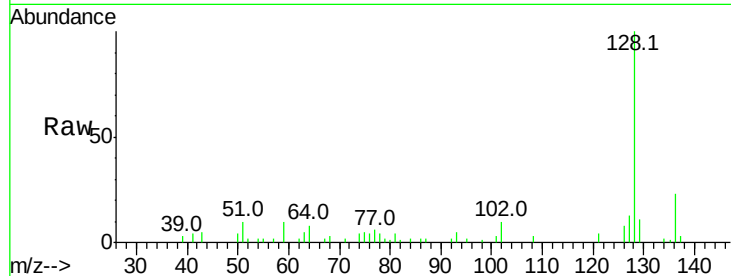
#31
Naphthalene
Concen: 2.538 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24RE

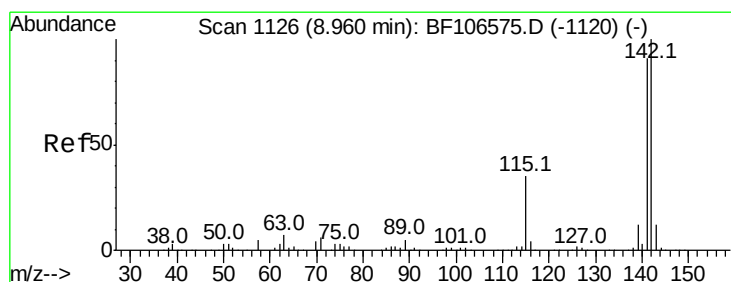
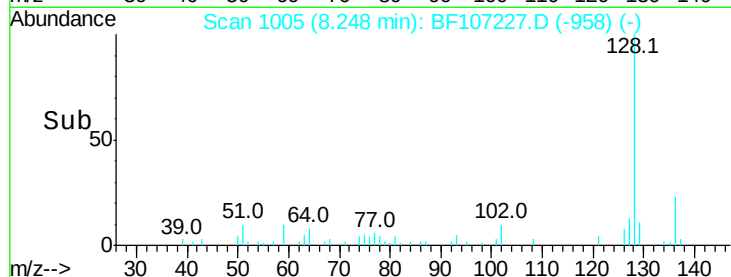
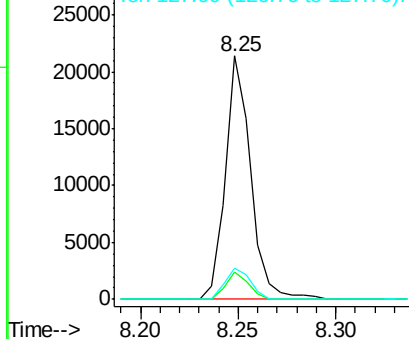
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.0	10.9	16.3

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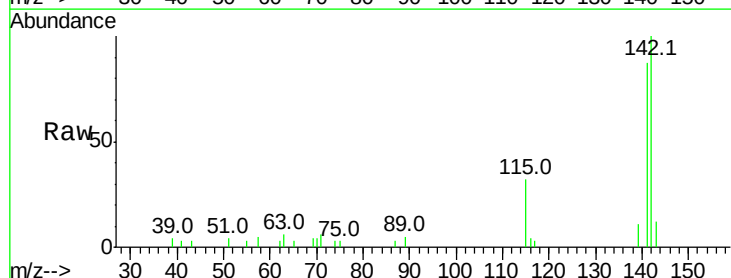


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

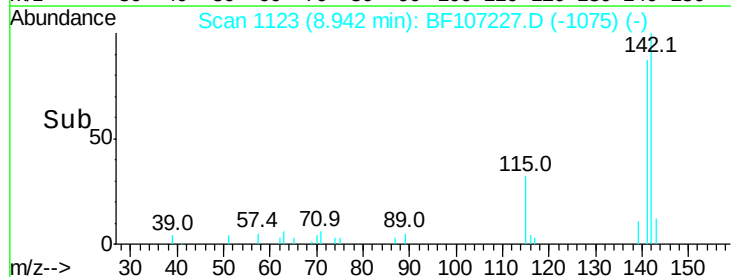
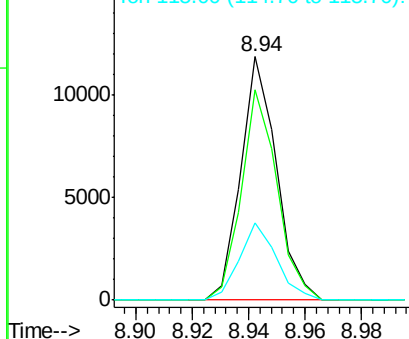


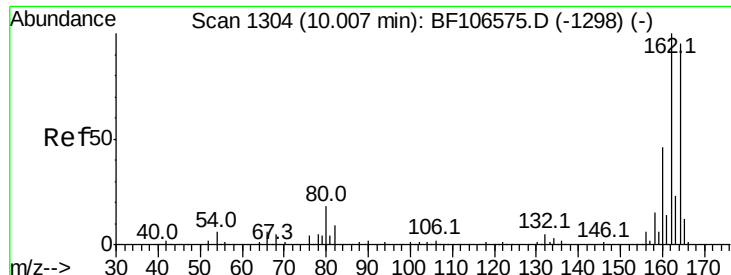
#37
2-Methylnaphthalene
Concen: 2.069 ng
RT: 8.94 min Scan# 1123
Delta R.T. -0.02 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.6	70.8	106.2
115	31.8	26.1	39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





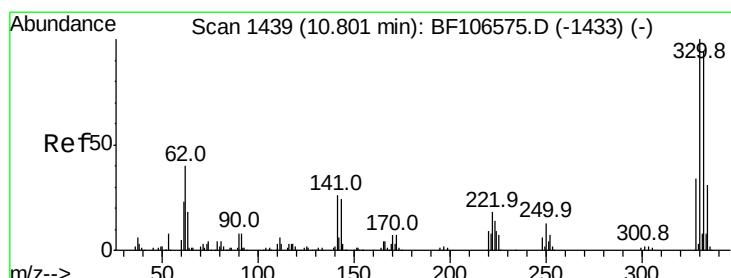
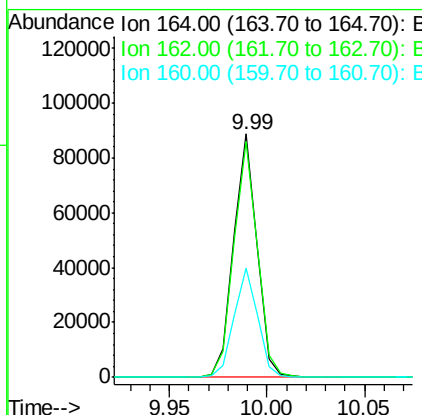
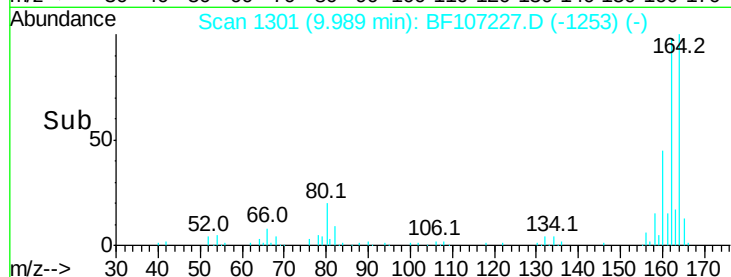
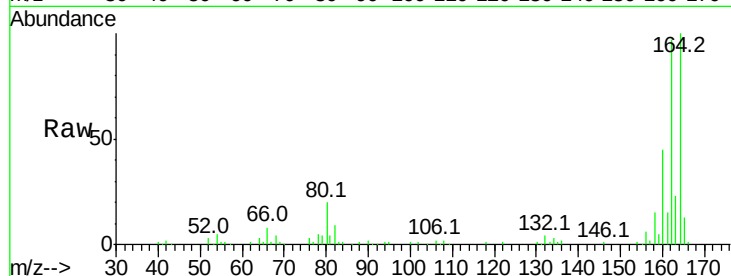
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24RE

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.1	86.1	129.1
160	44.8	38.3	57.5

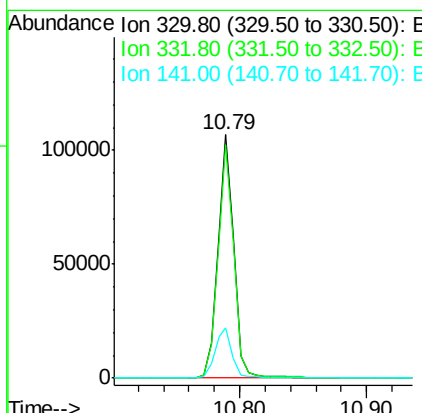
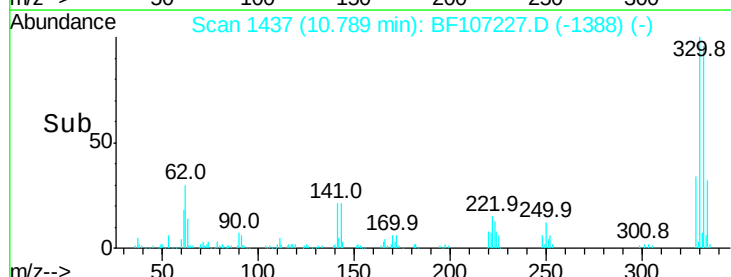
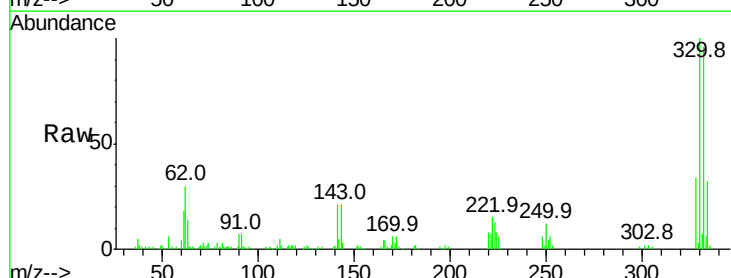
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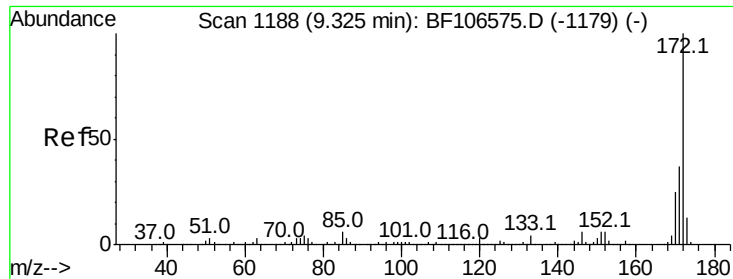
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#41
2,4,6-Tribromophenol
Concen: 110.743 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	22.8	29.9	44.9#





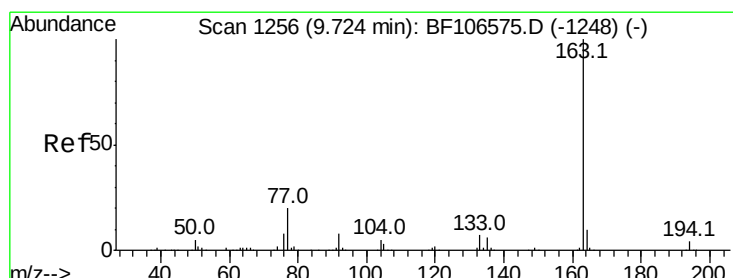
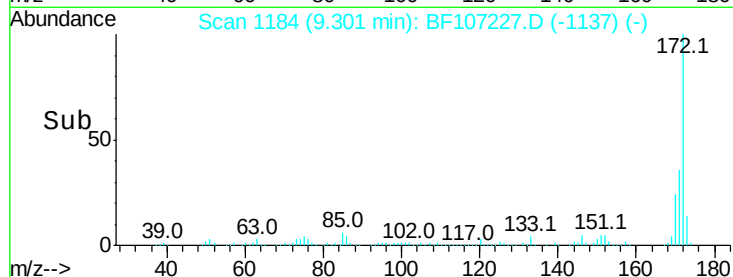
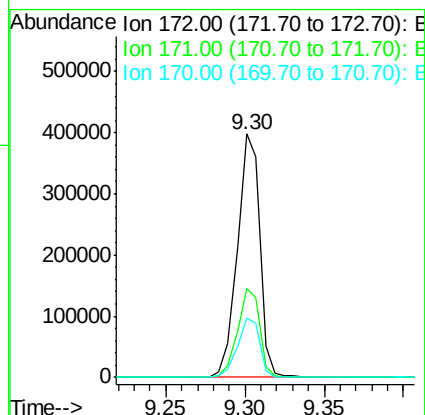
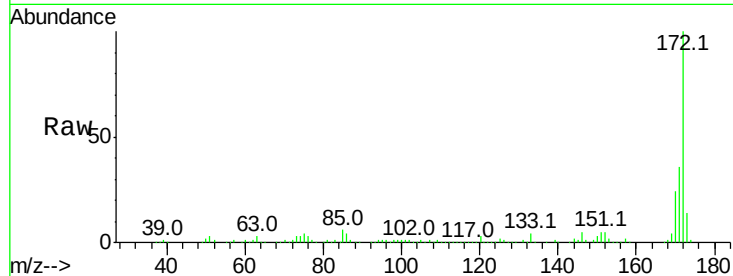
#44
2-Fluorobiphenyl
Concen: 91.156 ng
RT: 9.30 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Instrument :
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SURCHARGE-SP-24RE

Tot Ion	Ratio	Resp	Lower	Upper
172	100	391492		
171	36.4		29.7	44.5
170	24.5		19.6	29.4

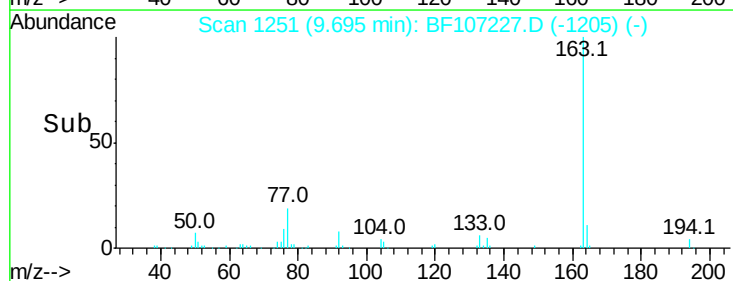
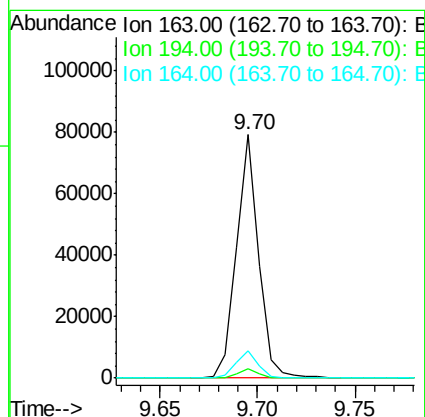
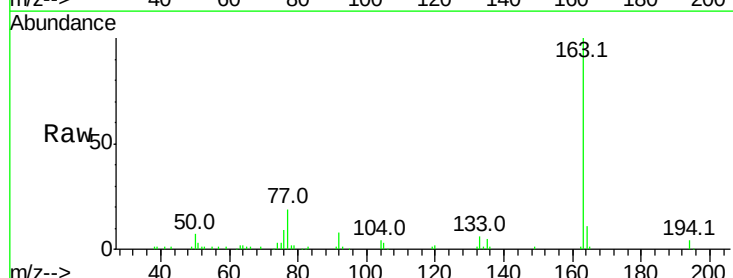
Manual Integrations
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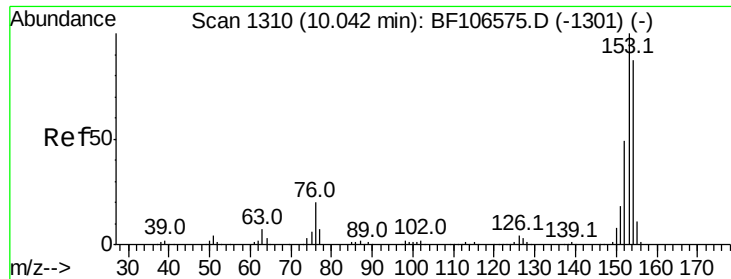
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#49
Dimethylphthalate
Concen: 11.270 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	62175		
194	4.0		2.7	4.1
164	11.0		8.2	12.2





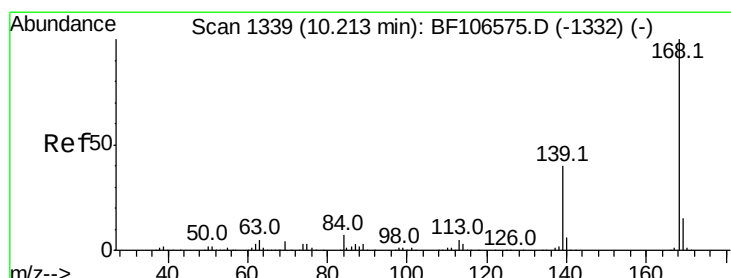
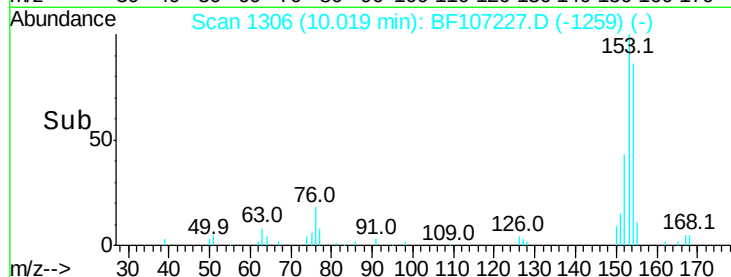
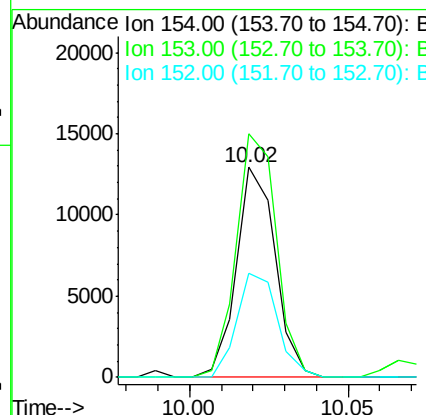
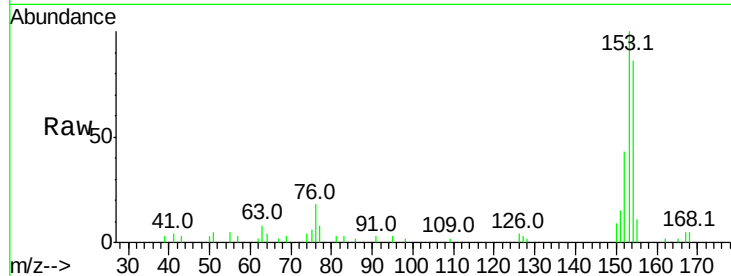
#51
Acenaphthene
Concen: 2.392 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24RE

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.9	91.2	136.8
152	49.6	43.8	65.8

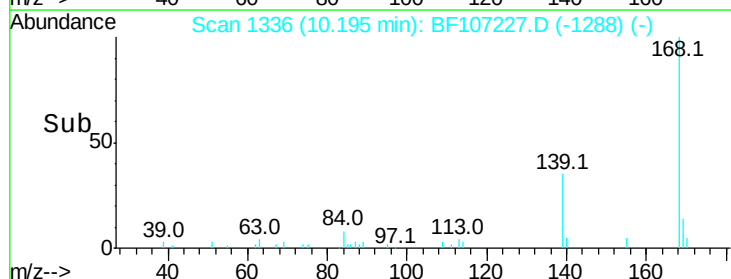
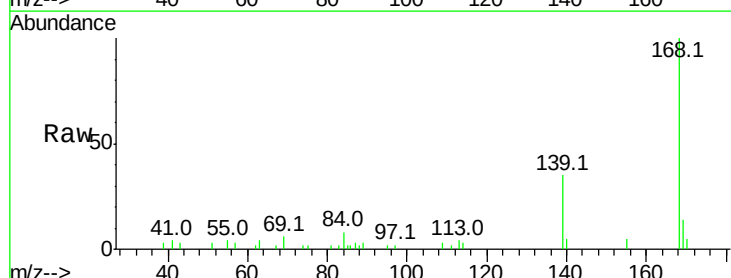
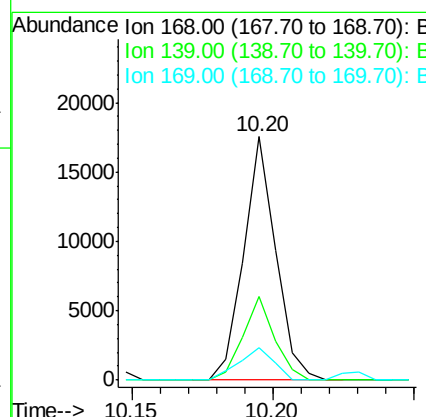
Manual Integrations
APPROVED

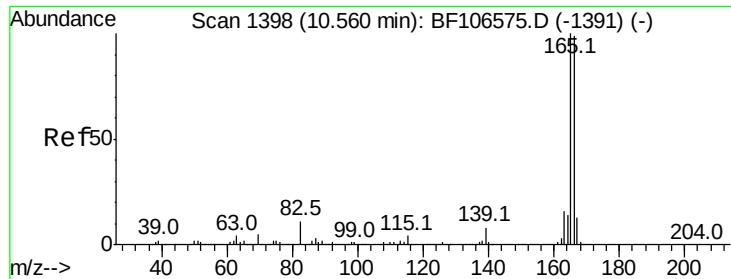
Sohil
7/10/2018 2:46:16 PM



#54
Dibenzofuran
Concen: 2.207 ng
RT: 10.20 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.6	30.1	45.1
169	13.5	10.9	16.3





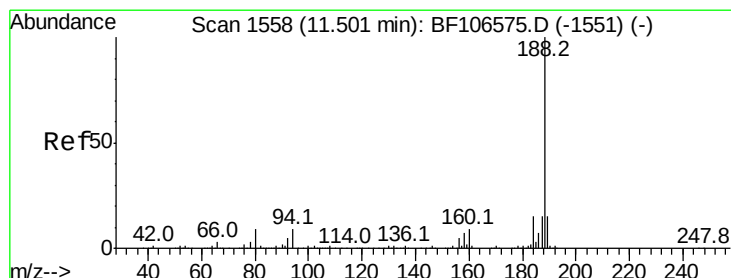
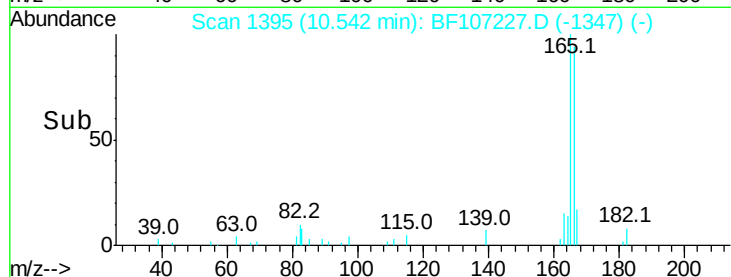
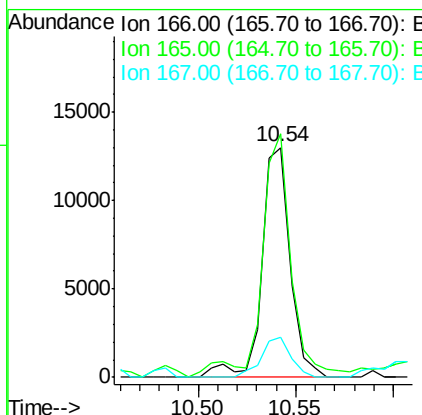
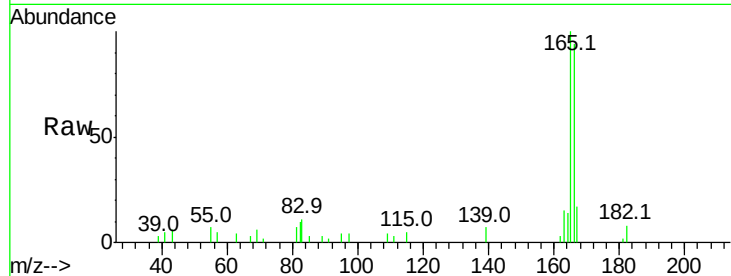
#57
 Fluorene
 Concen: 2.614 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. -0.02 min
 Lab File: BF107227.D
 Acq: 9 Jul 2018 14:34

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-24RE

Tot Ion	Ratio	Lower	Upper
166	100		
165	106.0	79.8	119.8
167	17.6	10.6	16.0

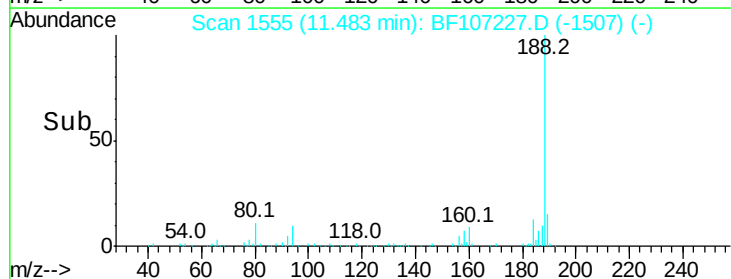
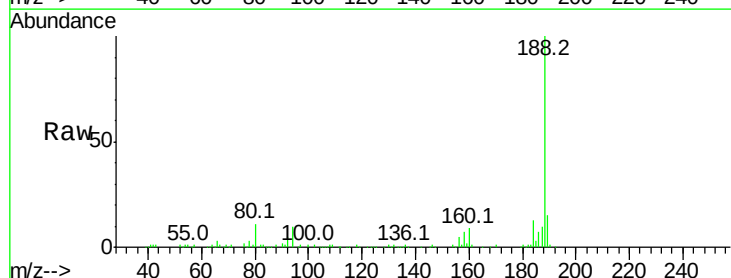
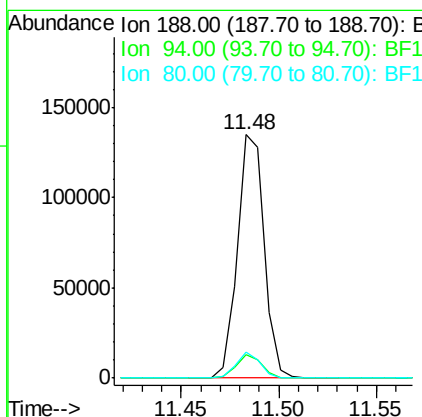
Manual Integrations
 APPROVED

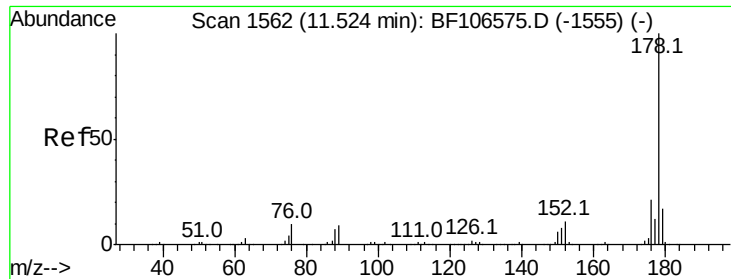
Sohil
 7/10/2018 2:46:16 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF107227.D
 Acq: 9 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.7	9.2	13.8





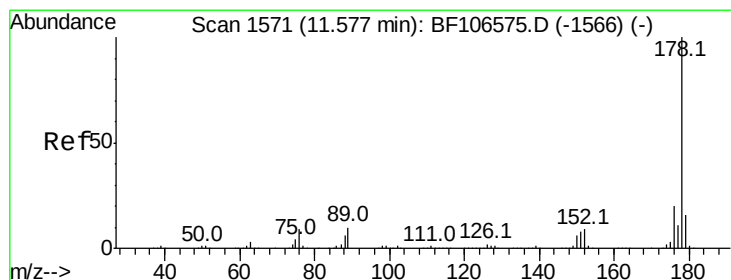
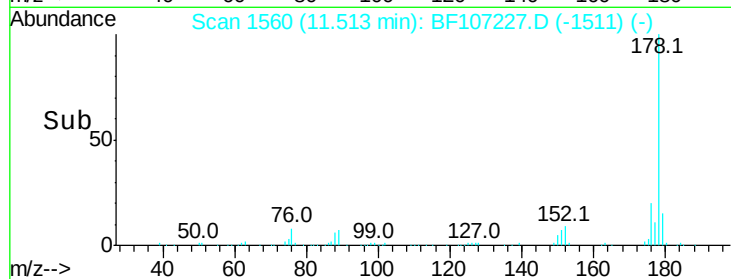
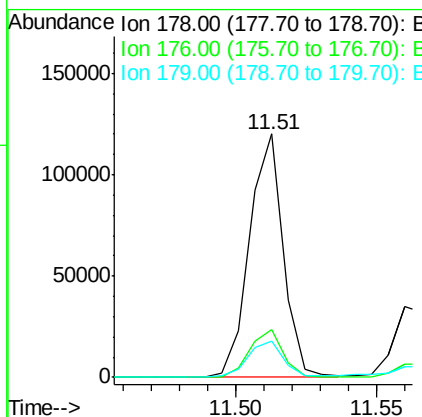
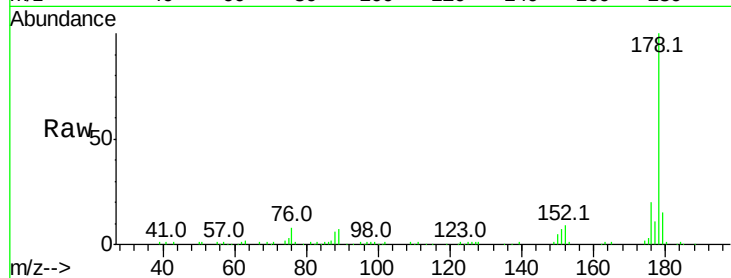
#70
Phenanthrene
Concen: 16.155 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	14.8	13.0	19.6

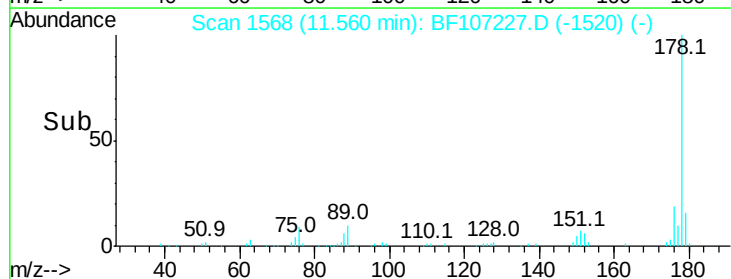
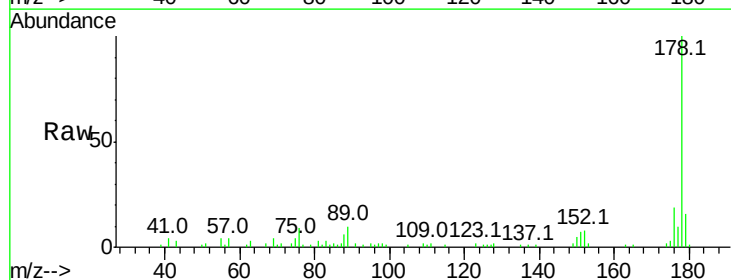
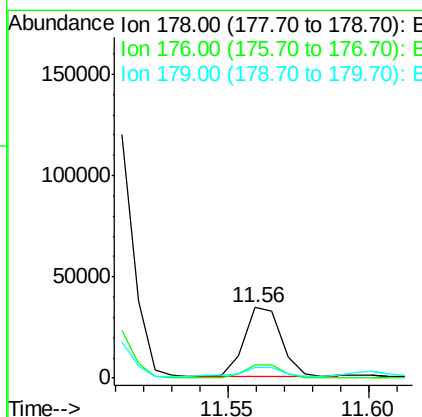
Manual Integrations
APPROVED

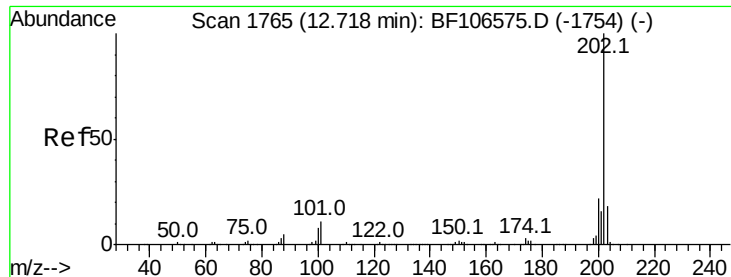
Sohil
7/10/2018 2:46:16 PM



#71
Anthracene
Concen: 5.074 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.6	12.6	19.0





#74

Fluoranthene

Concen: 30.758 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107227.D

Acq: 9 Jul 2018 14:34

Instrument :

BNA_F

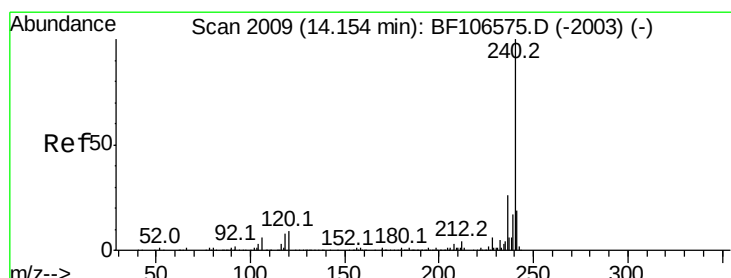
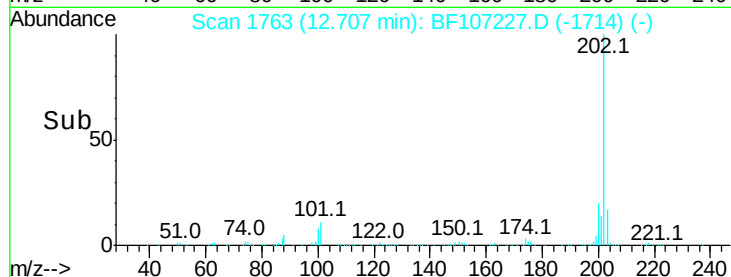
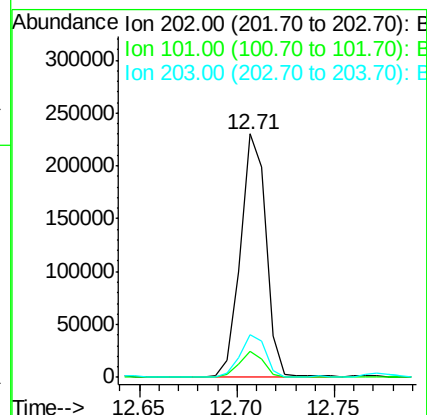
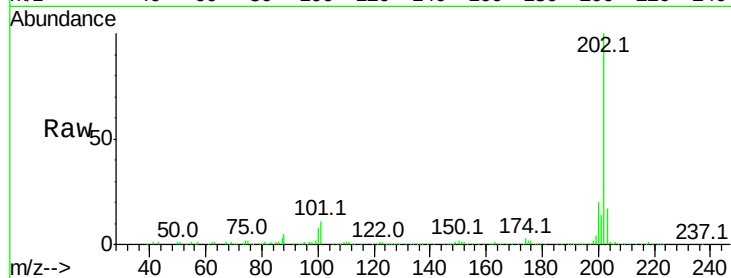
ClientSampleId :

SURCHARGE-SP-24RE

Tot Ion	Ratio	Resp	Lower	Upper
202	100	208808		
101	10.7	0.0	34.1	
203	17.4	0.0	38.1	

Manual Integrations
APPROVED

Sohil
7/10/2018 2:46:16 PM



#75

Chrysene-d12

Concen: 20.000 ng

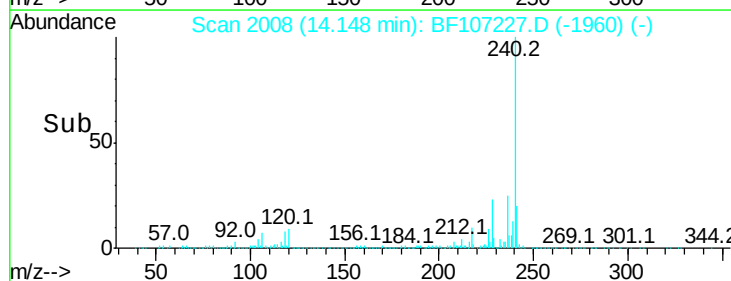
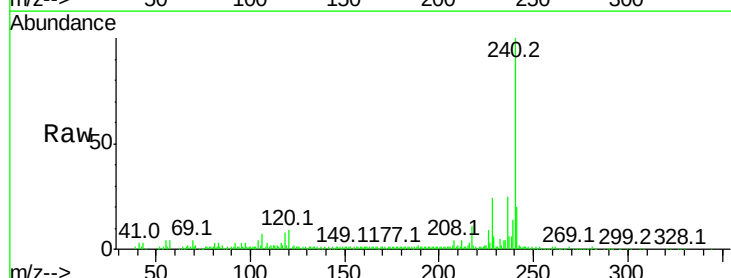
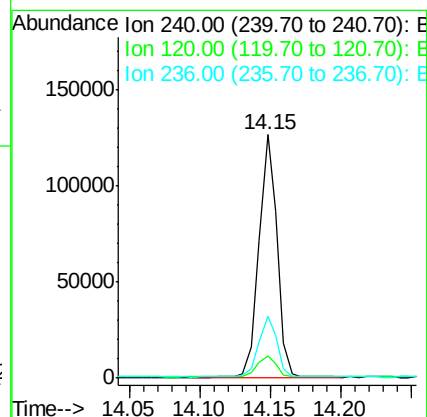
RT: 14.15 min Scan# 2008

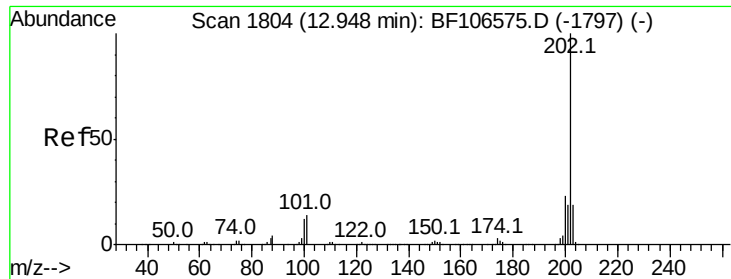
Delta R.T. -0.02 min

Lab File: BF107227.D

Acq: 9 Jul 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	114400		
120	9.2	9.5	14.3#	
236	25.4	20.7	31.1	





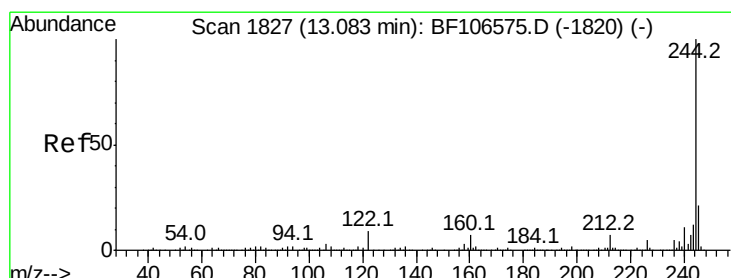
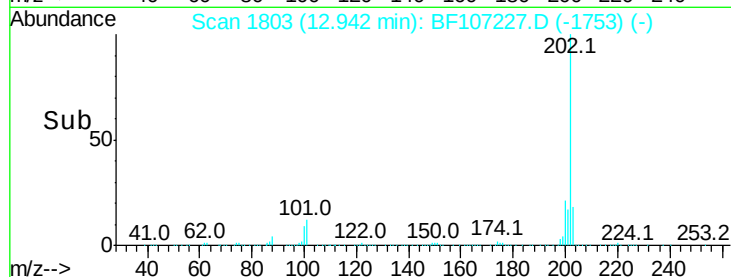
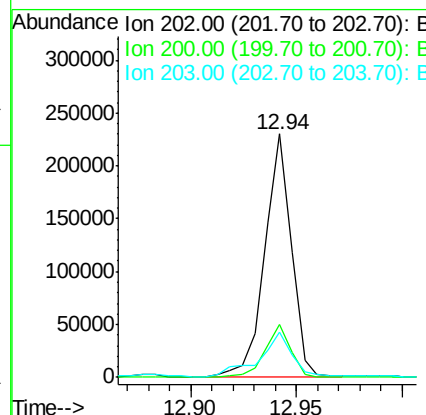
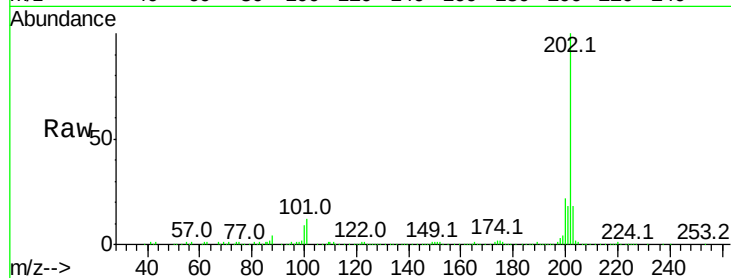
#77
Pvrene
Concen: 26.767 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24RE

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.4	14.3	21.5

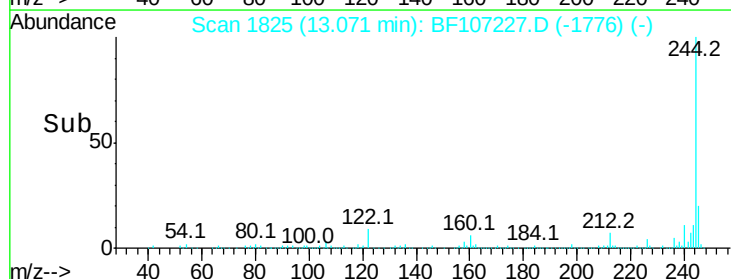
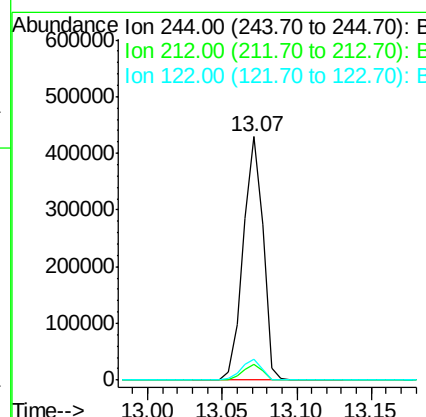
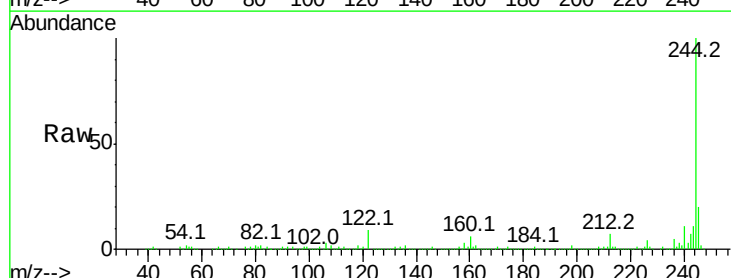
Manual Integrations
APPROVED

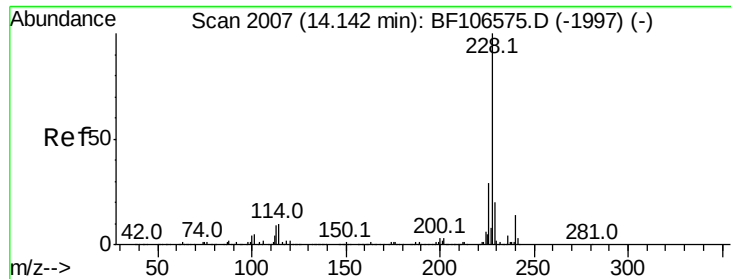
Sohil
7/10/2018 2:46:16 PM



#78
Terphenyl-d14
Concen: 84.454 ng
RT: 13.07 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	8.8	11.0	16.4#





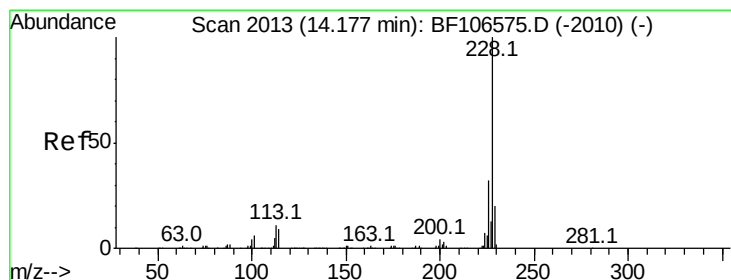
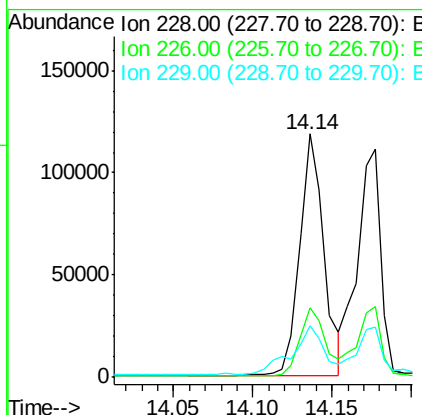
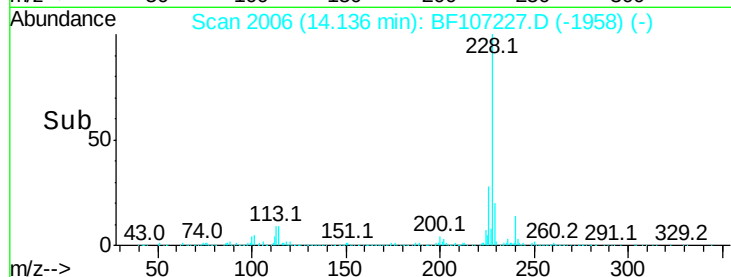
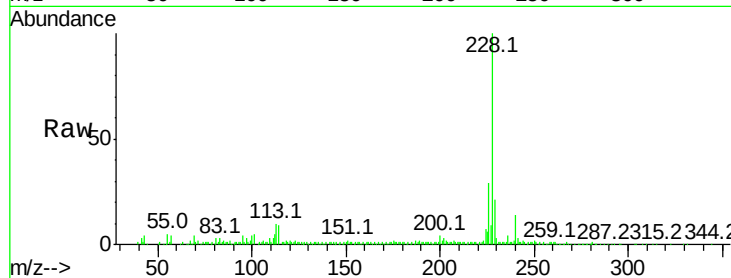
#80
Benzo(a)anthracene
Concen: 18.127 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.2	15.8	23.6

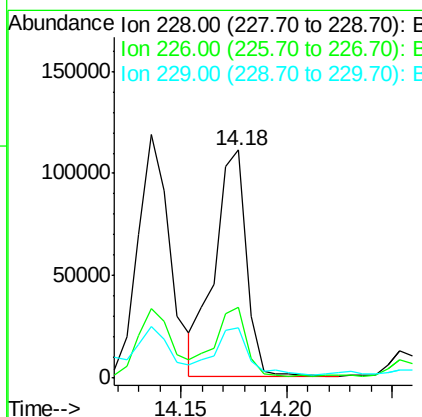
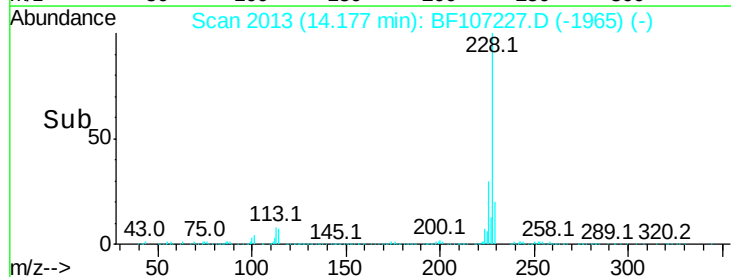
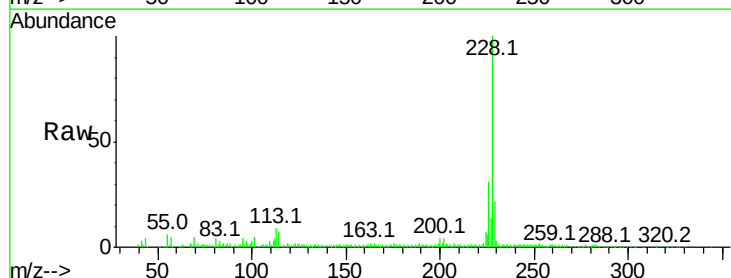
Manual Integrations
APPROVED

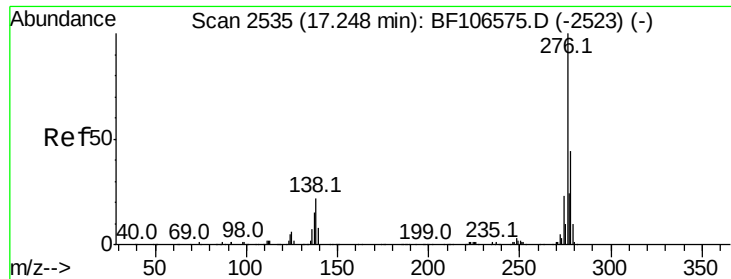
Sohil
7/10/2018 2:46:16 PM



#82
Chrysene
Concen: 18.044 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.1	16.2	24.4





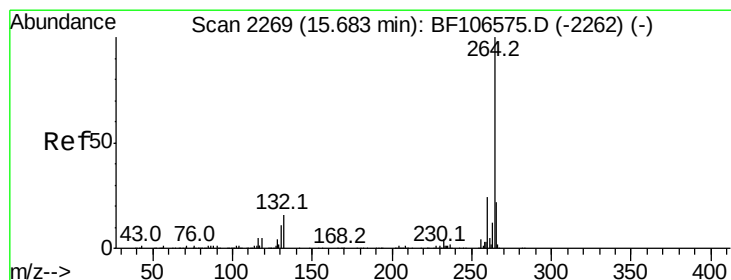
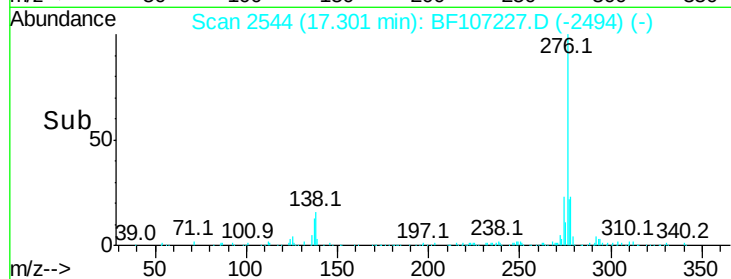
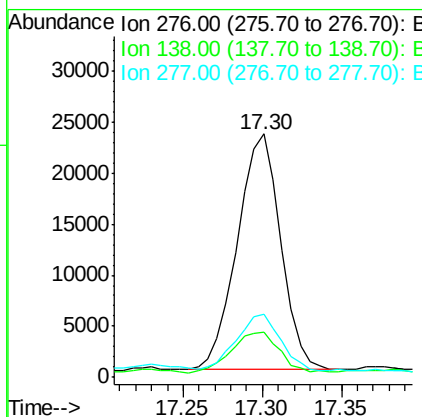
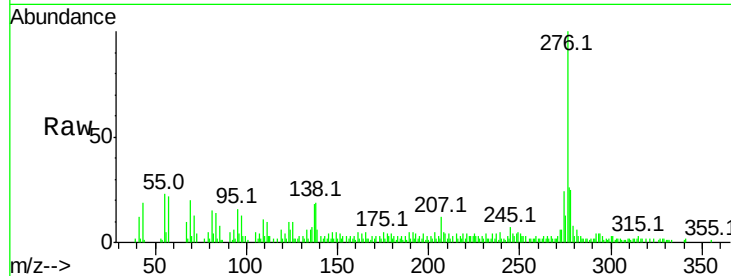
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.070 ng
 RT: 17.30 min Scan# 2544
 Delta R.T. -0.01 min
 Lab File: BF107227.D
 Acq: 9 Jul 2018 14:34

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-24RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	25.0	37.6#
277	24.4	20.1	30.1

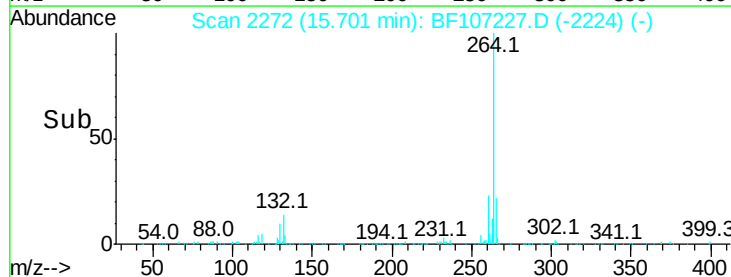
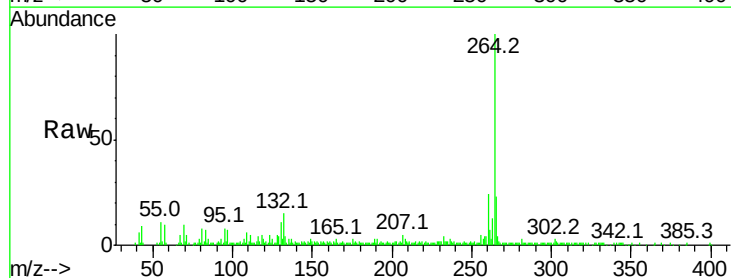
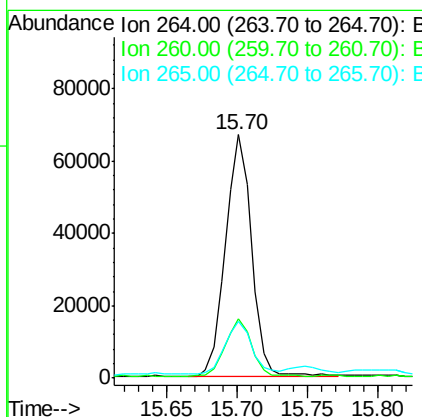
Manual Integrations
 APPROVED

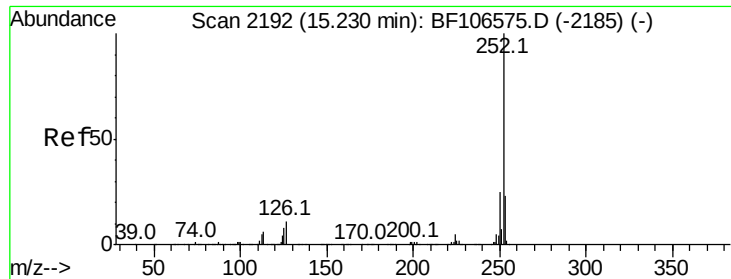
Sohil
 7/10/2018 2:46:16 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2272
 Delta R.T. -0.02 min
 Lab File: BF107227.D
 Acq: 9 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	23.3	17.5	26.3





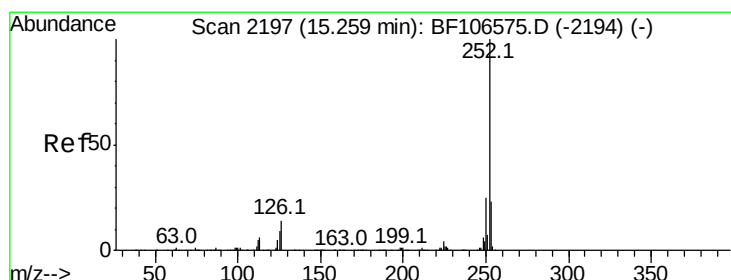
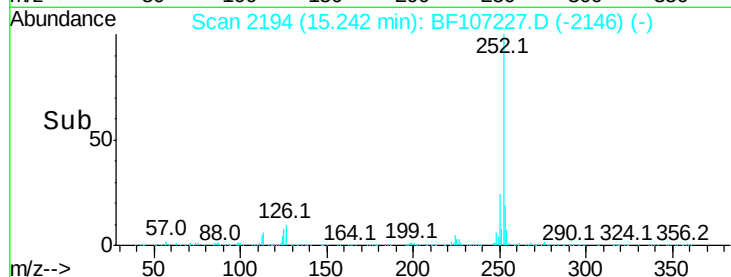
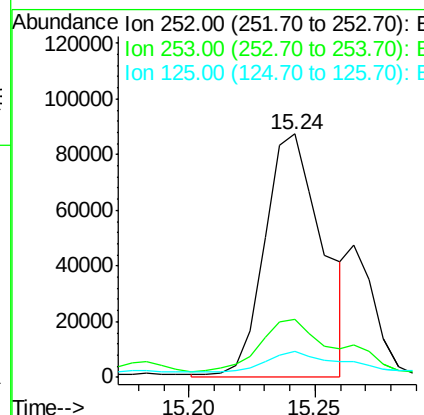
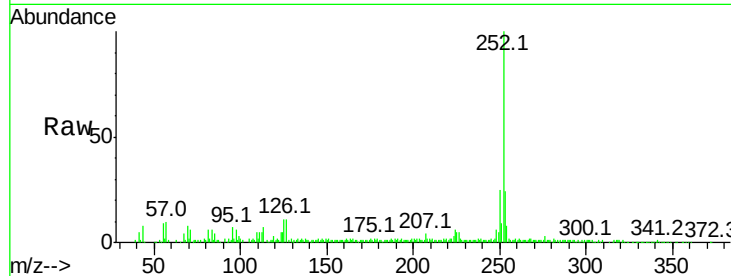
#87
Benzo(b)fluoranthene
Concen: 26.587 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24RE

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

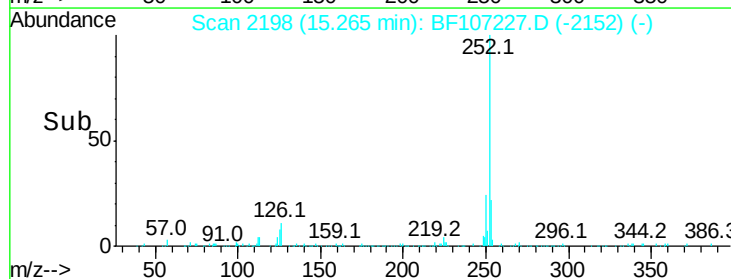
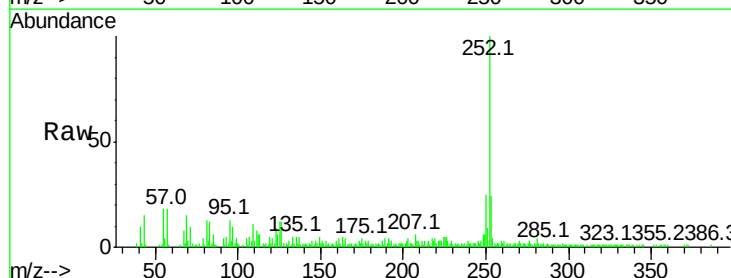
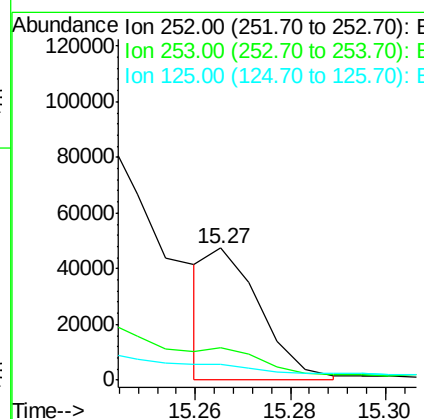
Manual Integrations
APPROVED

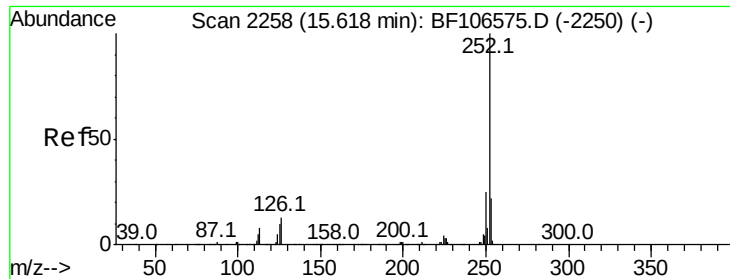
Sohil
7/10/2018 2:46:16 PM



#88
Benzo(k)fluoranthene
Concen: 7.127 ng m
RT: 15.27 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	12.3	10.2	15.2





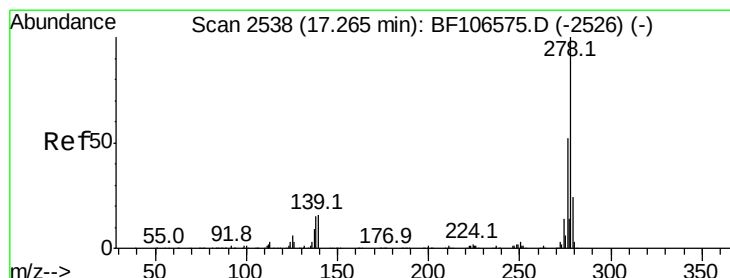
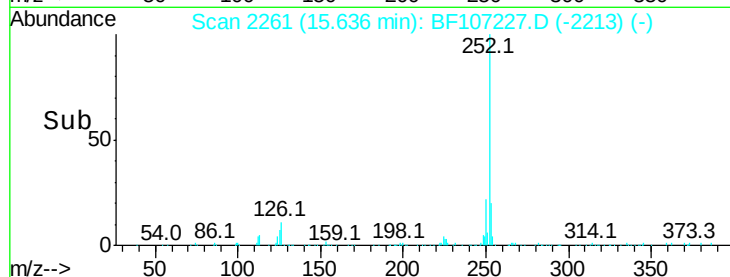
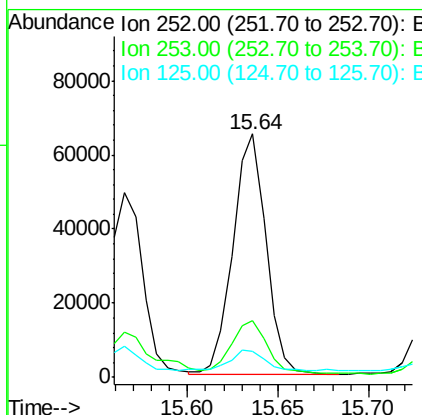
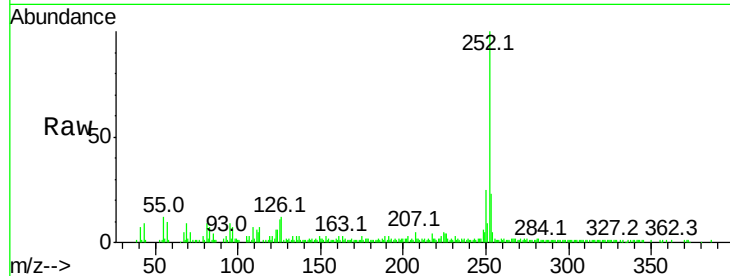
#89
Benzo(a)pyrene
Concen: 17.665 ng
RT: 15.64 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-24RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	10.8	9.8	14.6

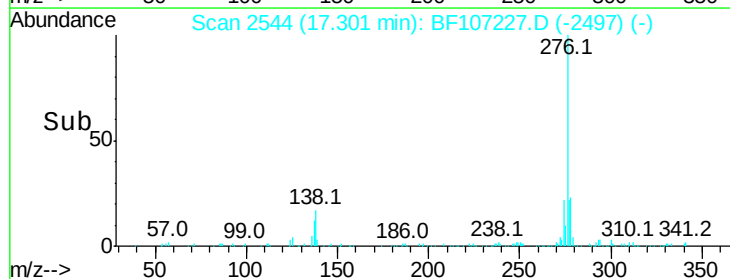
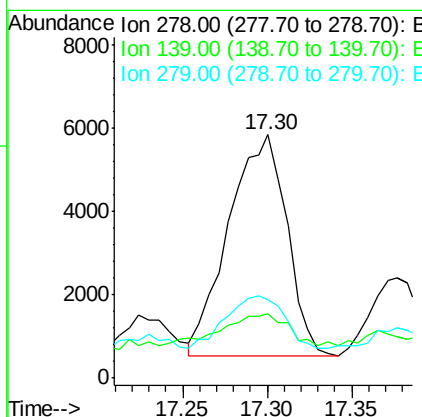
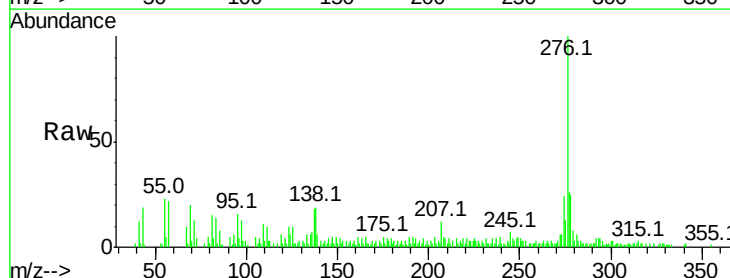
Manual Integrations
APPROVED

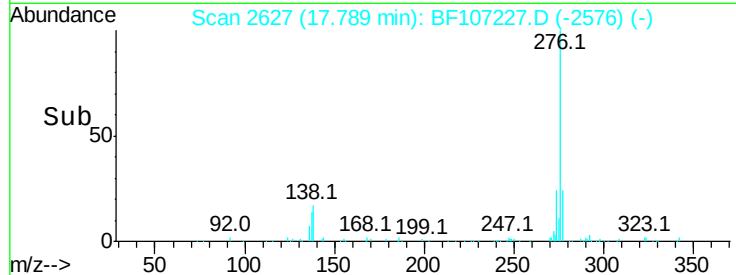
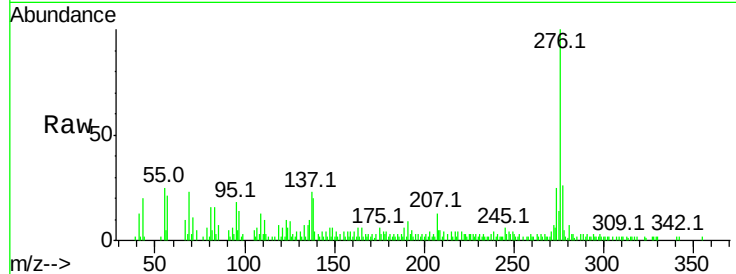
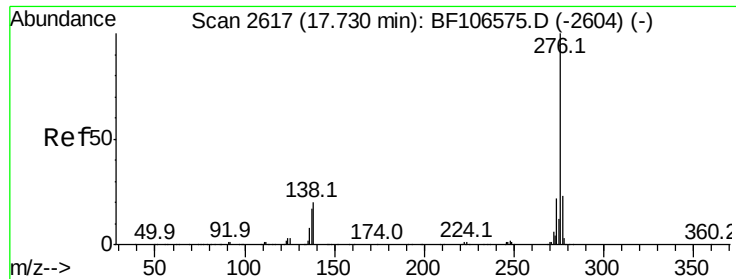
Sohil
7/10/2018 2:46:16 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.182 ng
RT: 17.30 min Scan# 2544
Delta R.T. -0.02 min
Lab File: BF107227.D
Acq: 9 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.4	15.9	23.9#
279	32.4	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 11.257 ng
 RT: 17.79 min Scan# 2627
 Delta R.T. 0.00 min
 Lab File: BF107227.D
 Acq: 9 Jul 2018 14:34

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-24RE

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	20.2	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 7/10/2018 2:46:16 PM

