

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
 Data File : BF107214.D
 Acq On : 7 Jul 2018 18:39
 Operator : JU/SJ
 Sample : J3880-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-13

Manual Integrations
 APPROVED

Sohil
 7/9/2018 2:06:47 PM

Quant Time: Jul 09 04:57:21 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	48068	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	165427	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	76766	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	155570	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	118798	20.00	ng	-0.02
86) Perylene-d12	15.69	264	87461	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	292119	102.91	ng	0.00
7) Phenol-d6	6.60	99	350086	98.76	ng	-0.02
23) Nitrobenzene-d5	7.51	82	201264	67.61	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	99565	111.90	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	385109	84.90	ng	-0.02
78) Terphenyl-d14	13.07	244	471756	96.19	ng	-0.01
Target Compounds						
48) Acenaphthylene	9.85	152	19455	2.559	ng	98
49) Dimethylphthalate	9.70	163	84965	14.757	ng	98
70) Phenanthrene	11.51	178	102345	13.640	ng	98
71) Anthracene	11.57	178	37024	4.834	ng	99
72) Carbazole	11.72	167	15312	2.135	ng	98
74) Fluoranthene	12.71	202	229911	27.800	ng	94
77) Pyrene	12.94	202	208537	26.620	ng	99
80) Benzo(a)anthracene	14.14	228	101497	14.018	ng	99
82) Chrysene	14.17	228	102209	15.344	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	48191	8.525	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	112085m	20.630	ng	
88) Benzo(k)fluoranthene	15.25	252	34828m	6.732	ng	
89) Benzo(a)pyrene	15.62	252	74528	15.431	ng	98
90) Dibenzo(a,h)anthracene	17.28	278	13419	3.278	ng	# 85
91) Benzo(a,h,i)perylene	17.77	276	47922	11.978	ng	# 89

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

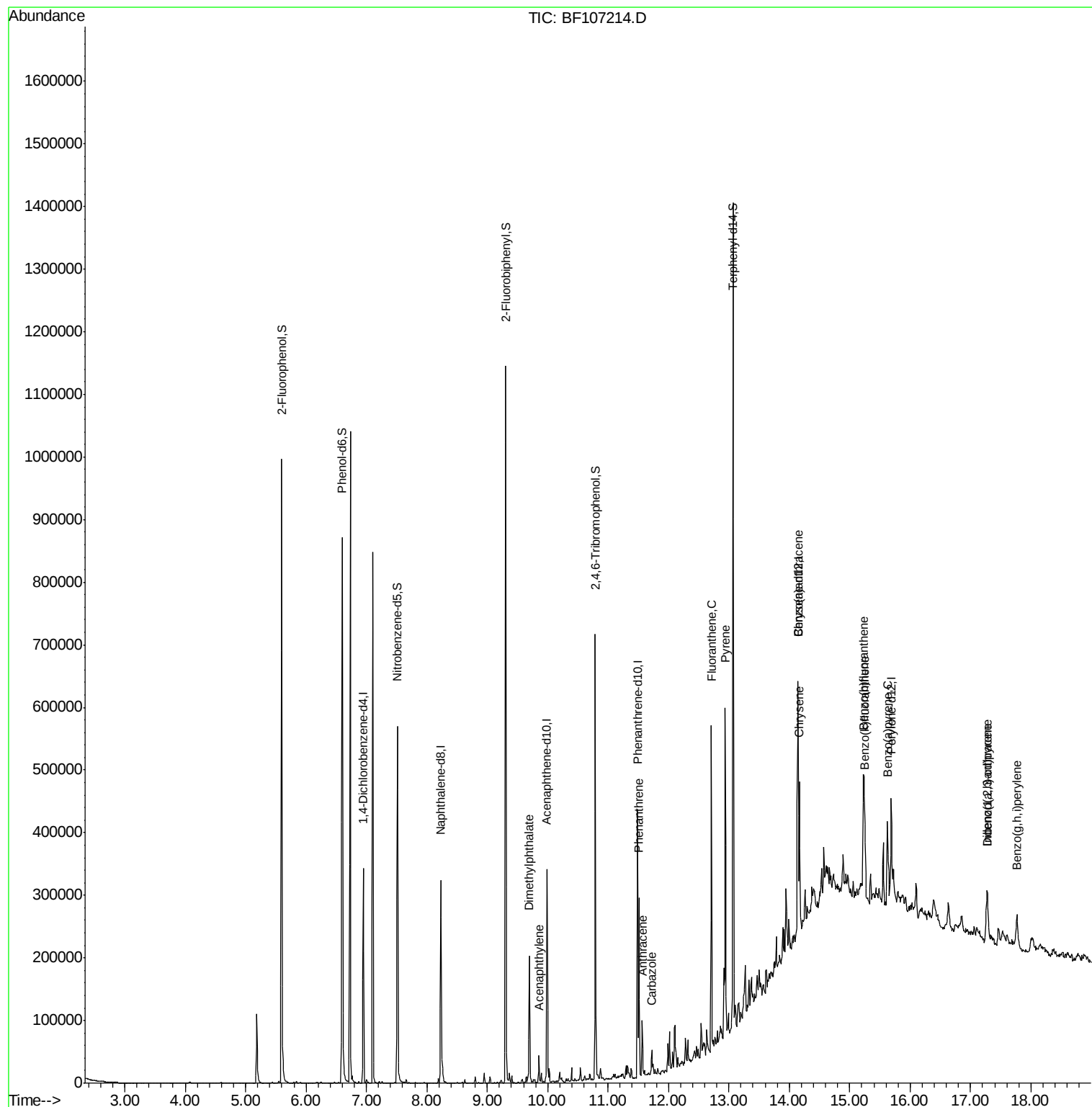
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107214.D
Acq On : 7 Jul 2018 18:39
Operator : JU/SJ
Sample : J3880-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-13

Manual Integrations
APPROVED

Sohil
7/9/2018 2:06:47 PM

Quant Time: Jul 09 04:57:21 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





#1

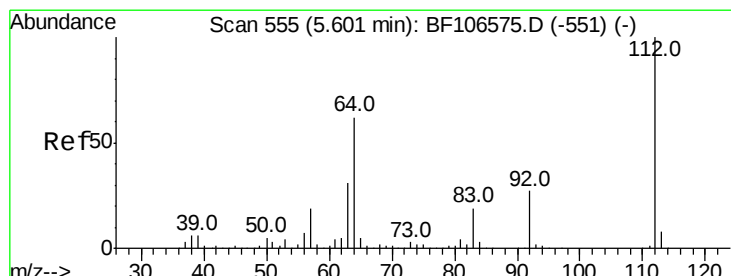
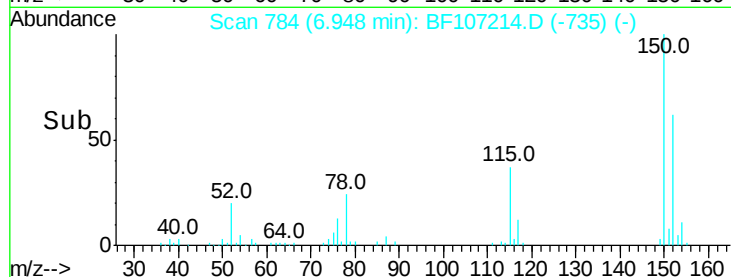
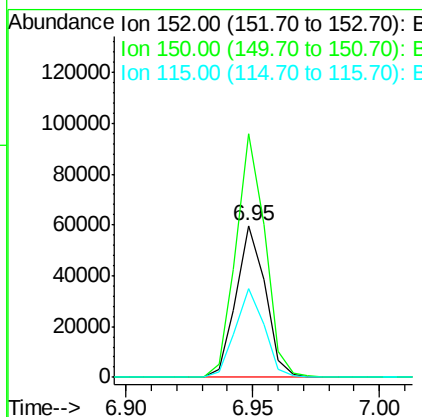
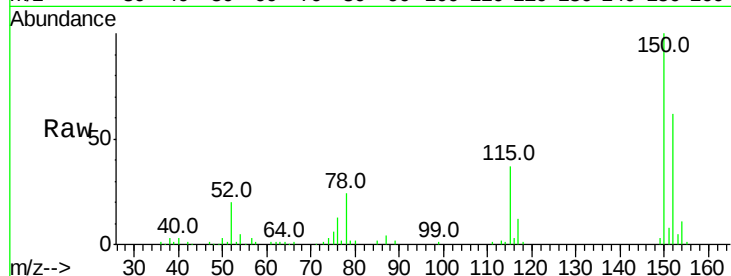
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107214.D
Acq: 7 Jul 2018 18:39

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-13

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	124.6	186.8
115	58.7	50.1	75.1

Manual Integrations
APPROVED

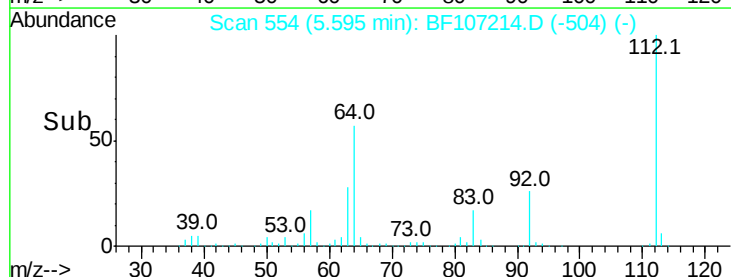
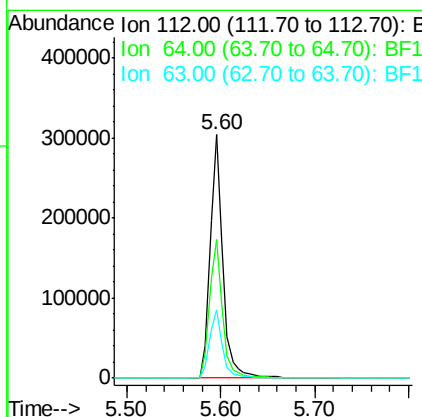
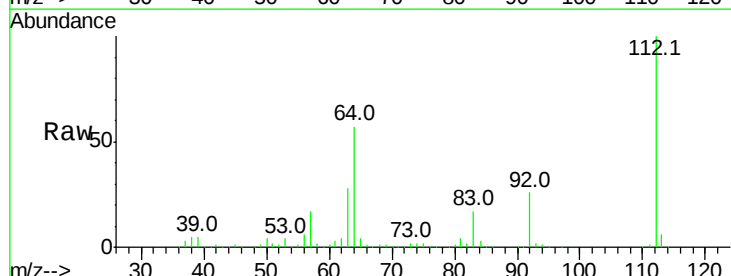
Sohil
7/9/2018 2:06:47 PM



#5

2-Fluorophenol
Concen: 102.906 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107214.D
Acq: 7 Jul 2018 18:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	47.9	71.9
63	28.0	23.7	35.5





#7

Phenol-d6

Concen: 98.756 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107214.D

Acq: 7 Jul 2018 18:39

Instrument :

BNA_F

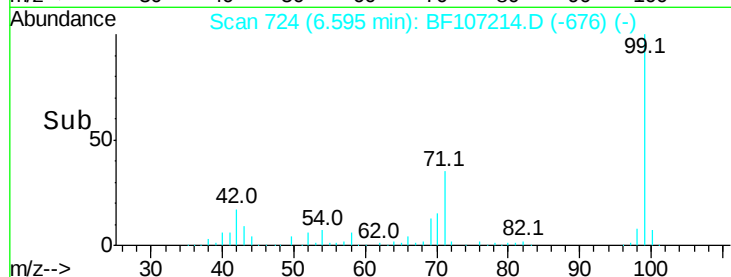
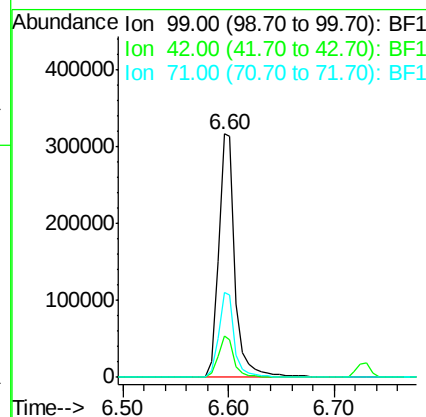
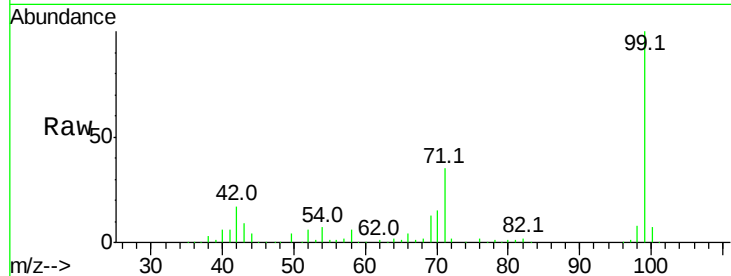
ClientSampleId :

SURCHARGE-SP-13

Tot Ion:	99	Resp:	350086
Ion Ratio	Lower	Upper	
99	100		
42	16.9	14.5	21.7
71	34.7	25.4	38.0

Manual Integrations
APPROVED

Sohil
7/9/2018 2:06:47 PM



#21

Naphthalene-d8

Concen: 20.000 ng

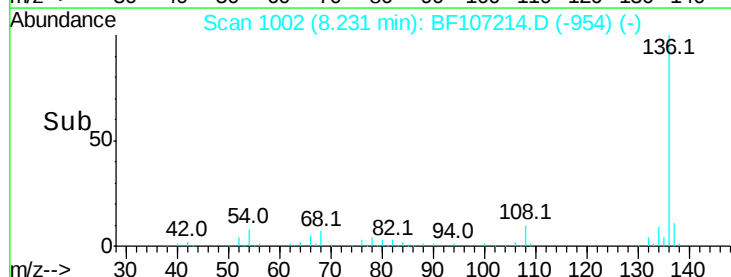
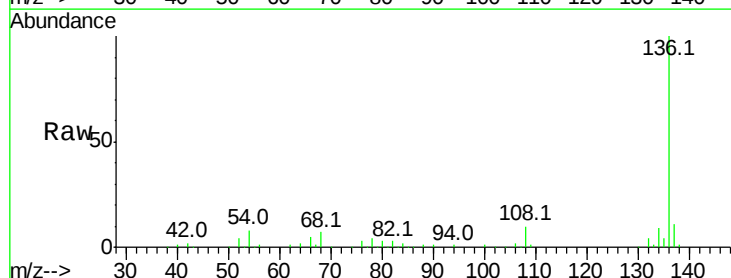
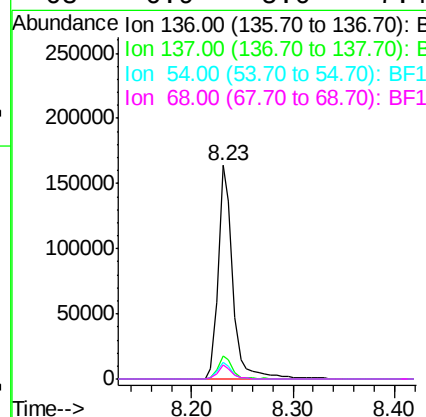
RT: 8.23 min Scan# 1002

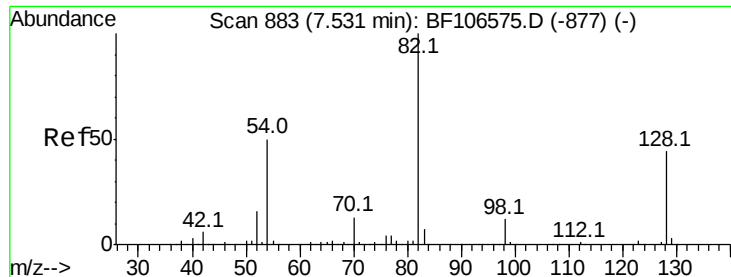
Delta R.T. -0.02 min

Lab File: BF107214.D

Acq: 7 Jul 2018 18:39

Tgt Ion:	136	Resp:	165427
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	8.1	6.6	9.8
68	6.9	5.0	7.4





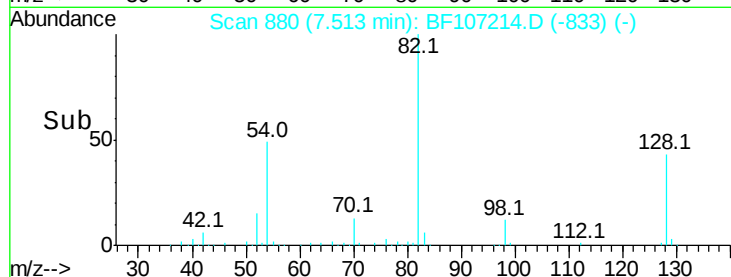
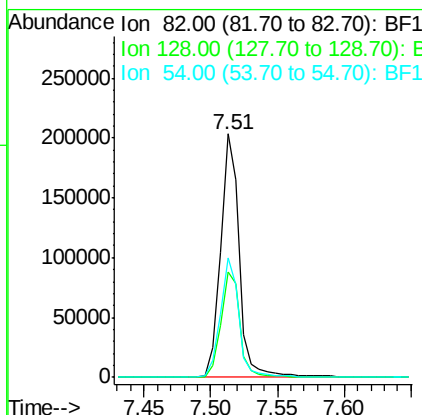
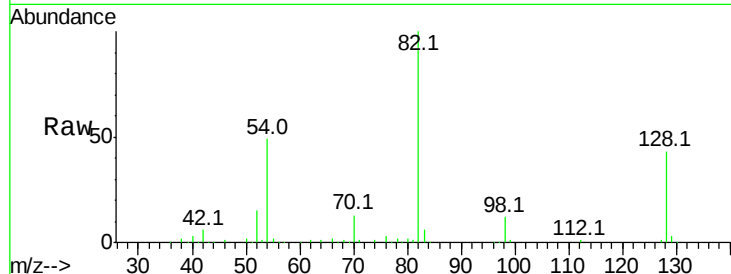
#23
 Nitrobenzene-d5
 Concen: 67.613 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107214.D
 Acq: 7 Jul 2018 18:39

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-13

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	49.0	41.4	62.2

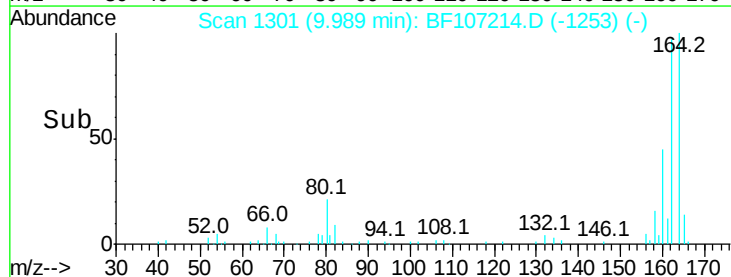
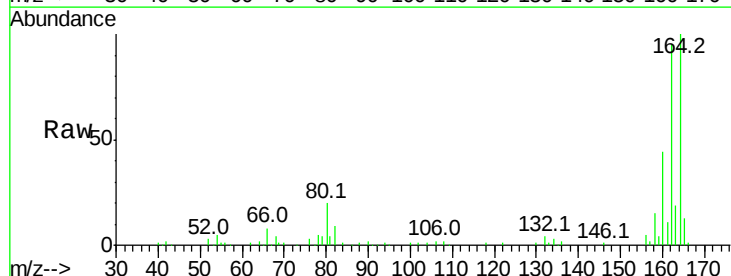
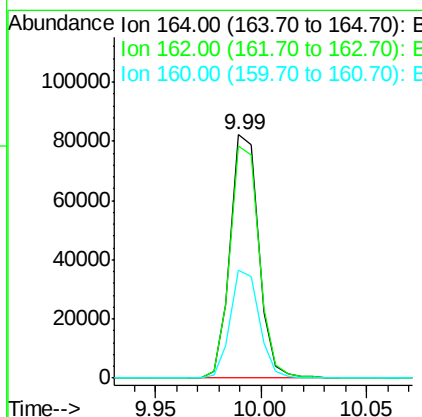
Manual Integrations
 APPROVED

Sohil
 7/9/2018 2:06:47 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107214.D
 Acq: 7 Jul 2018 18:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.4	86.1	129.1
160	44.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 111.904 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF107214.D

Acq: 7 Jul 2018 18:39

Instrument :

BNA_F

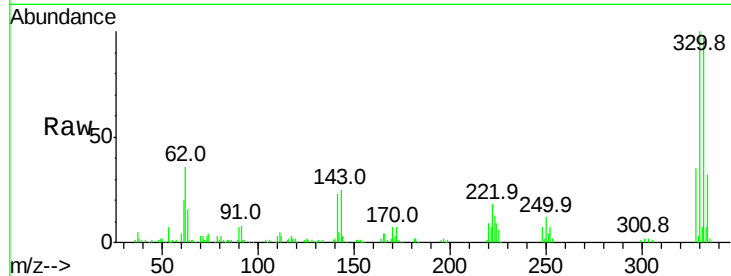
ClientSampleId :

SURCHARGE-SP-13

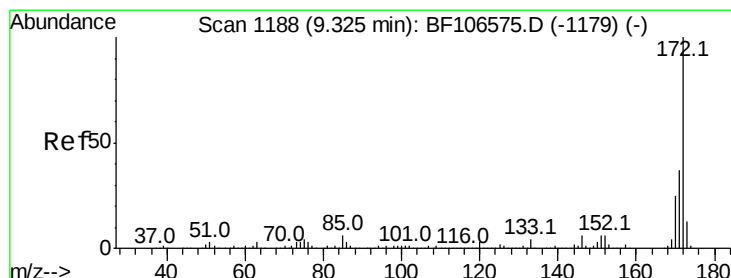
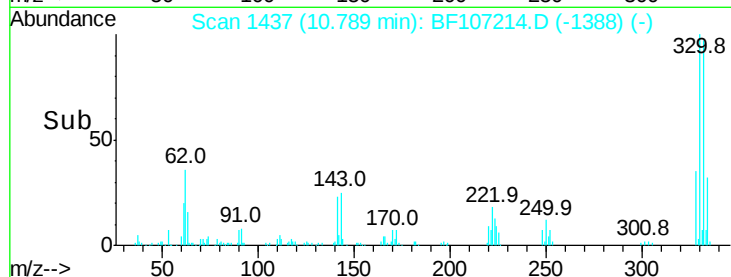
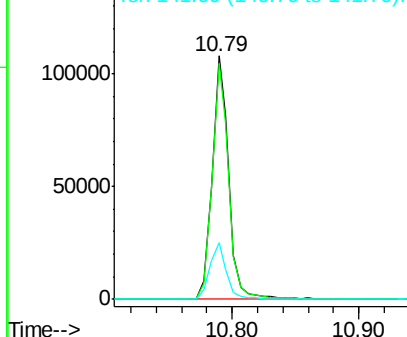
Tot Ion:	330	Resp:	99565
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.0	115.6
141	23.6	29.9	44.9#

Manual Integrations
APPROVED

Sohil
7/9/2018 2:06:47 PM



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: 84.895 ng

RT: 9.31 min Scan# 1185

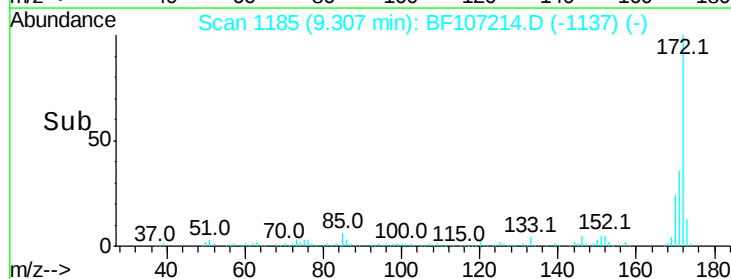
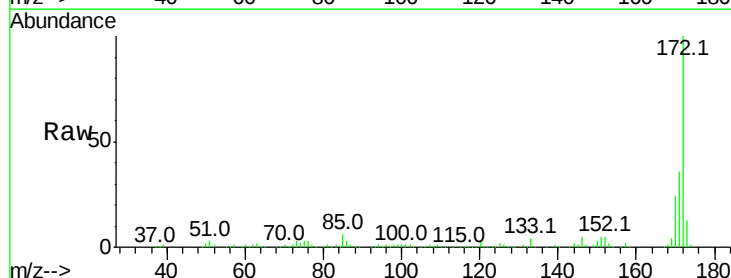
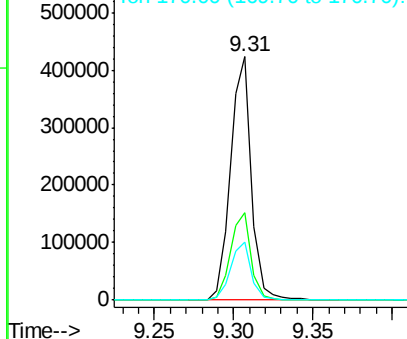
Delta R.T. -0.02 min

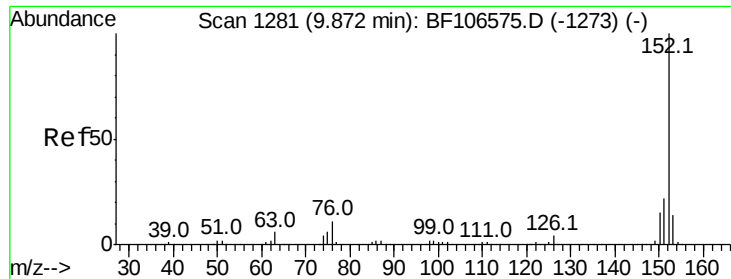
Lab File: BF107214.D

Acq: 7 Jul 2018 18:39

Tgt Ion:	172	Resp:	385109
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.7	44.5
170	23.6	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





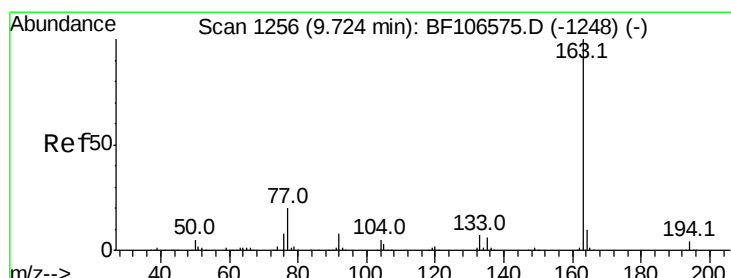
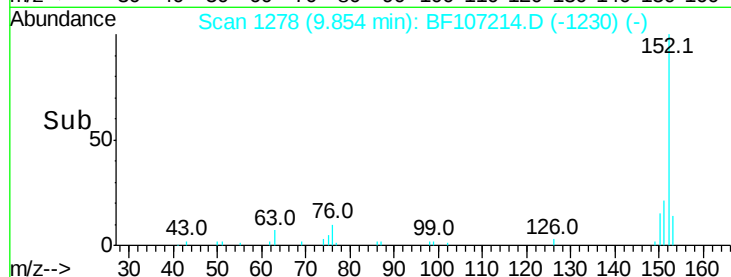
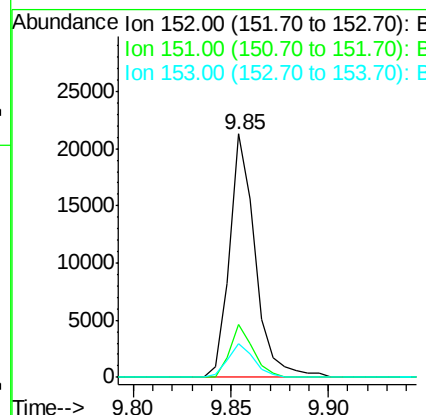
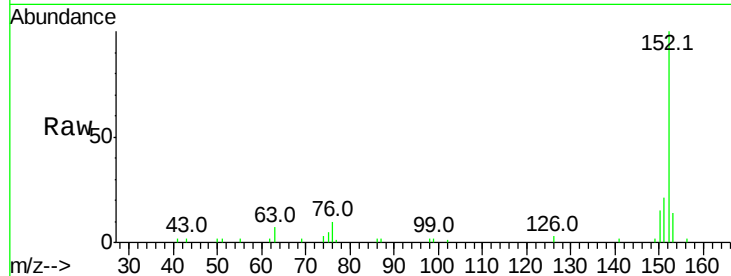
#48
Acenaphthylene
Concen: 2.559 ng
RT: 9.85 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF107214.D
Acq: 7 Jul 2018 18:39

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-13

Tot Ion:	152	Resp:	19455
Ion Ratio	Lower	Upper	
152	100		
151	21.5	16.3	24.5
153	13.9	10.7	16.1

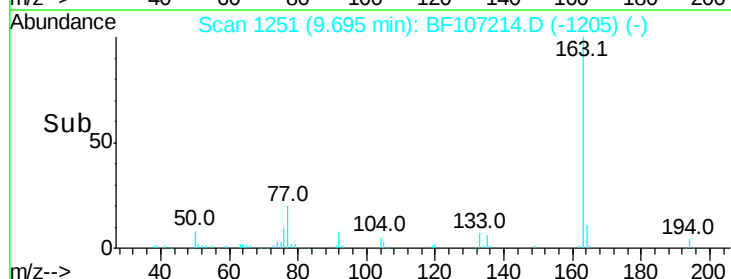
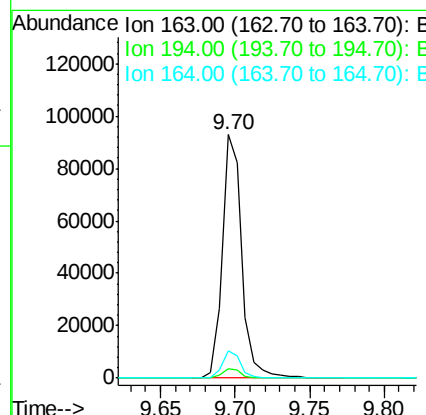
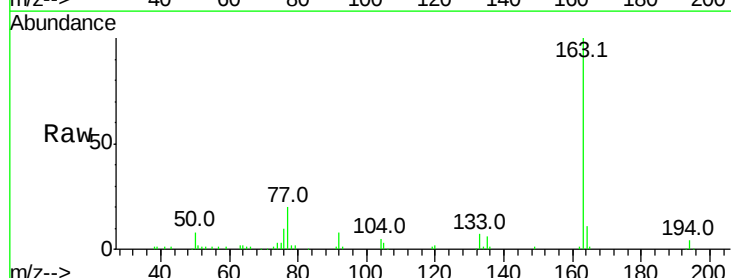
Manual Integrations
APPROVED

Sohil
7/9/2018 2:06:47 PM



#49
Dimethylphthalate
Concen: 14.757 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107214.D
Acq: 7 Jul 2018 18:39

Tgt Ion:	163	Resp:	84965
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	11.0	8.2	12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF107214.D

Acq: 7 Jul 2018 18:39

Instrument :

BNA_F

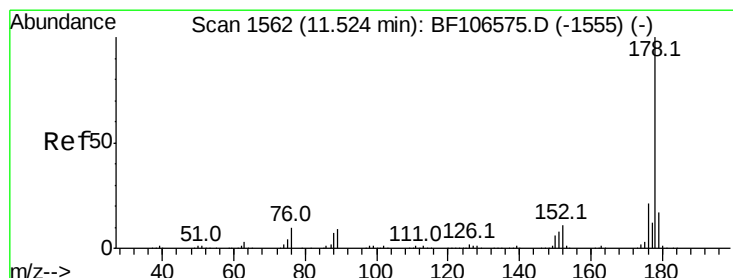
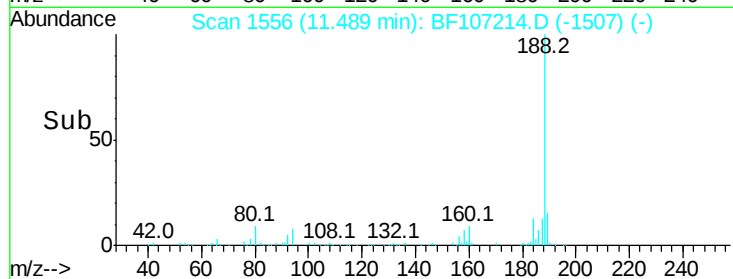
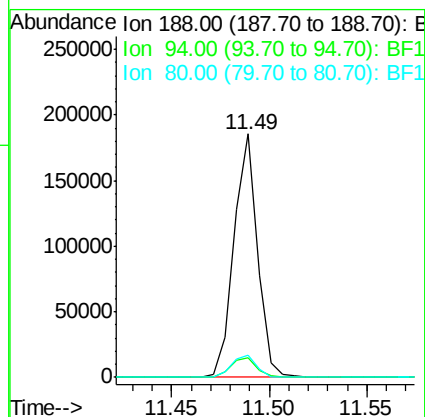
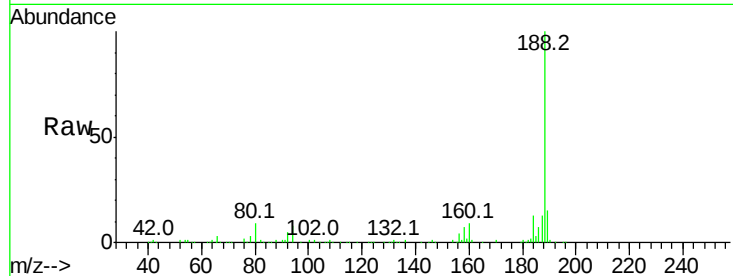
ClientSampled :

SURCHARGE-SP-13

Tot Ion:188	Resp:	155570
Ion Ratio	Lower	Upper
188 100		
94 8.2	8.5	12.7#
80 9.0	9.2	13.8#

Manual Integrations
APPROVED

Sohil
7/9/2018 2:06:47 PM



#70

Phenanthrene

Concen: 13.640 ng

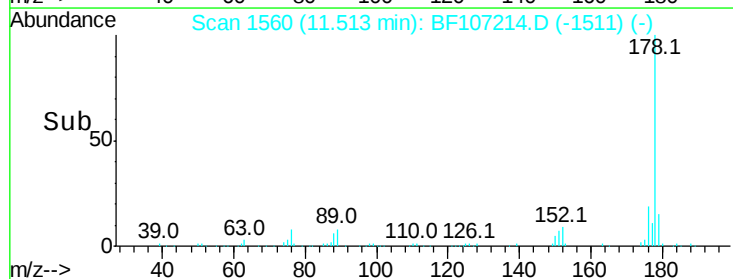
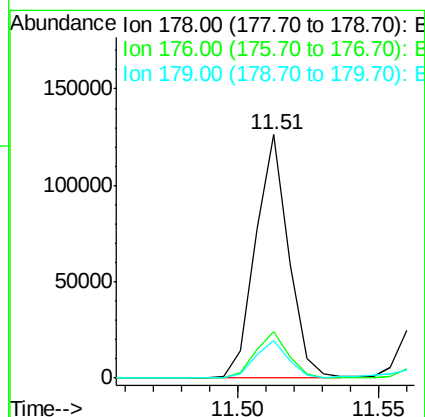
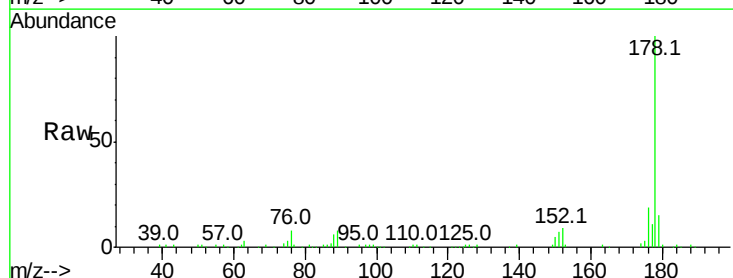
RT: 11.51 min Scan# 1560

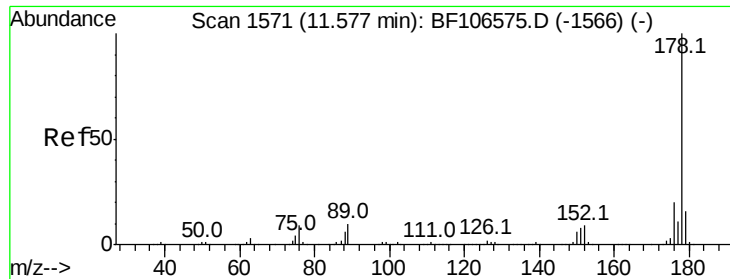
Delta R.T. -0.01 min

Lab File: BF107214.D

Acq: 7 Jul 2018 18:39

Tgt Ion:178	Resp:	102345
Ion Ratio	Lower	Upper
178 100		
176 19.0	15.8	23.8
179 15.5	13.0	19.6





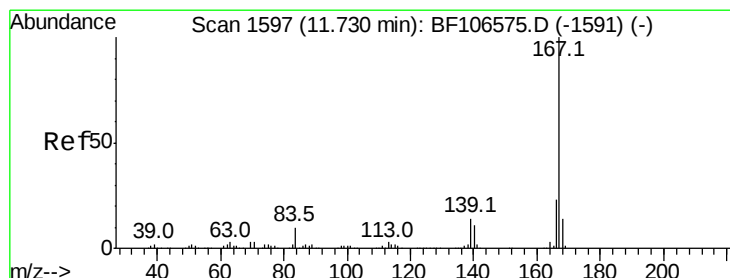
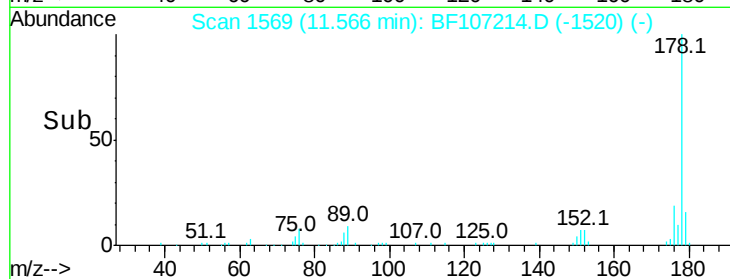
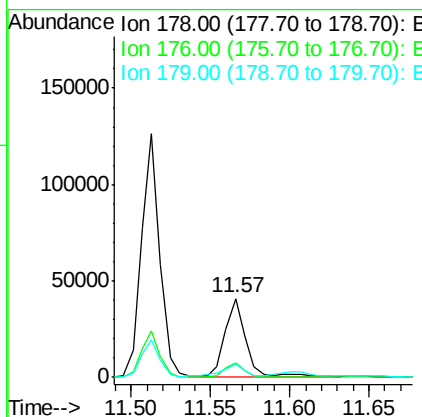
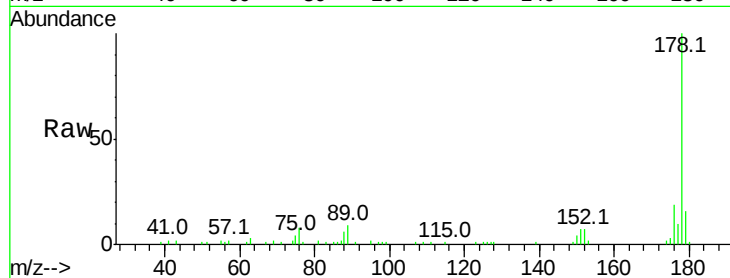
#71
 Anthracene
 Concen: 4.834 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107214.D
 Acq: 7 Jul 2018 18:39

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-13

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	16.2	12.6	19.0

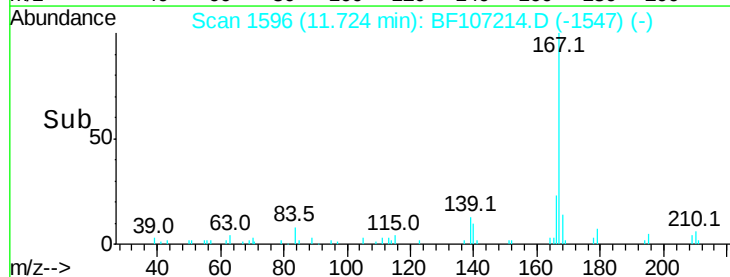
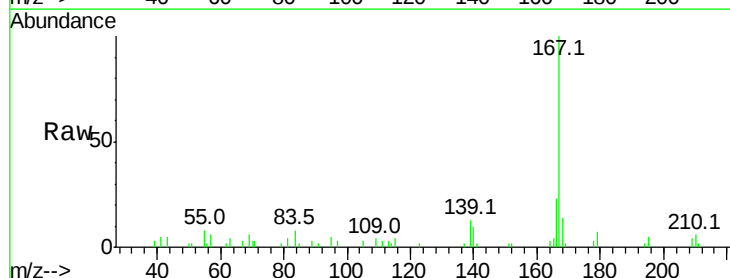
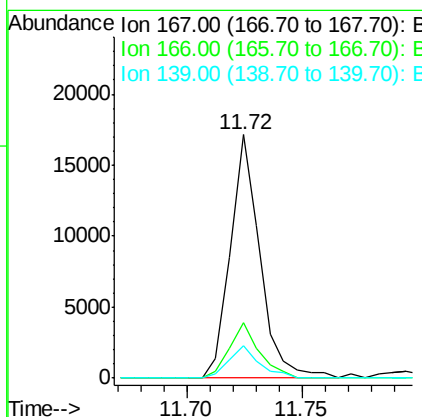
Manual Integrations
 APPROVED

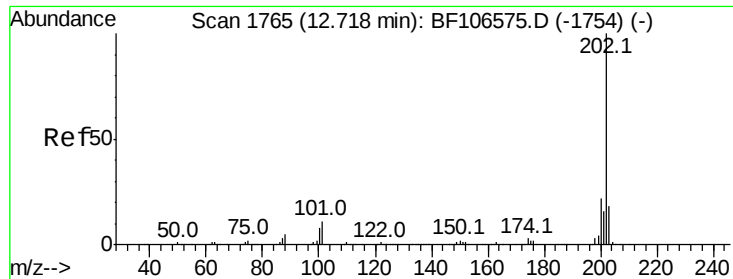
Sohil
 7/9/2018 2:06:47 PM



#72
 Carbazole
 Concen: 2.135 ng
 RT: 11.72 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF107214.D
 Acq: 7 Jul 2018 18:39

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.6	26.4
139	13.1	10.9	16.3





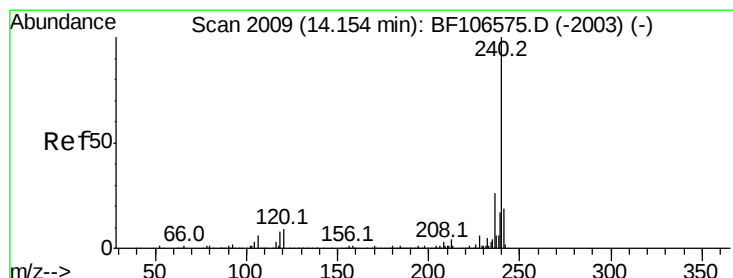
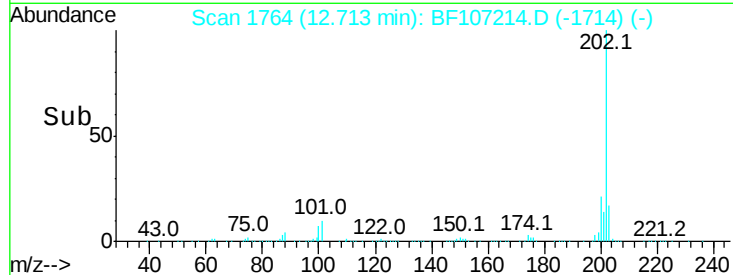
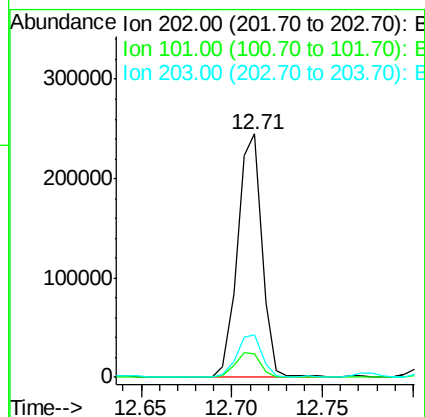
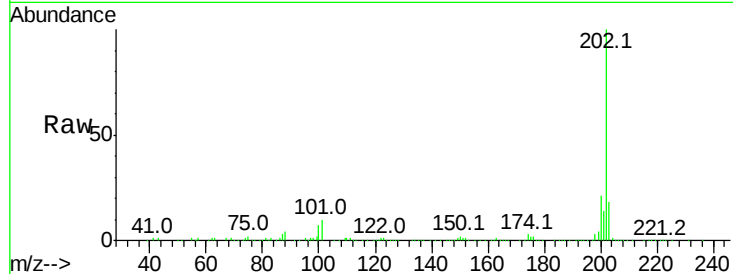
#74
Fluoranthene
Concen: 27.800 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF107214.D
Acq: 7 Jul 2018 18:39

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-13

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.5	0.0	34.1
203	17.6	0.0	38.1

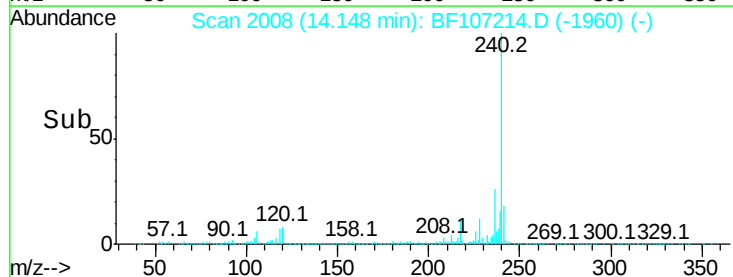
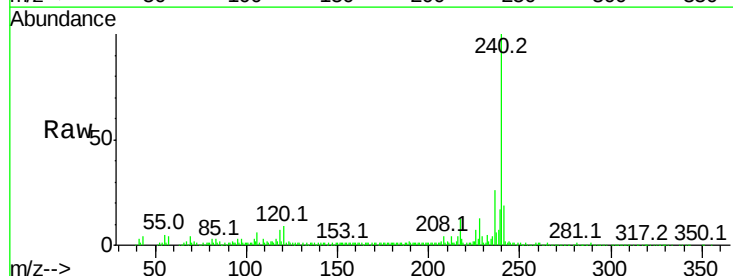
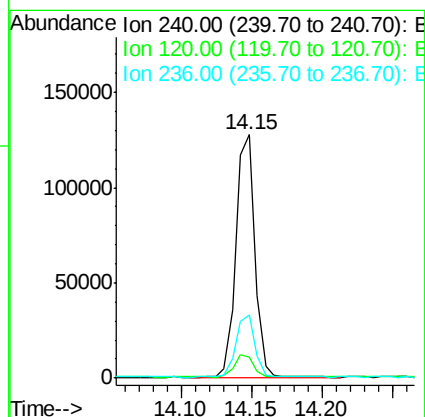
Manual Integrations
APPROVED

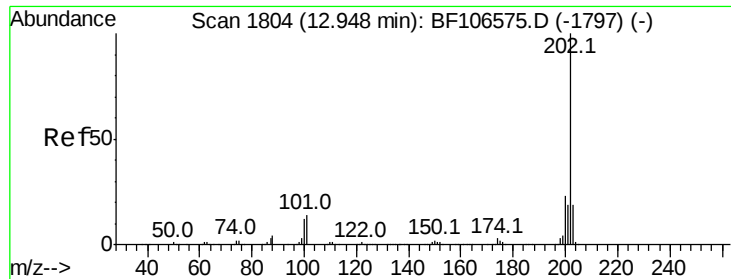
Sohil
7/9/2018 2:06:47 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.02 min
Lab File: BF107214.D
Acq: 7 Jul 2018 18:39

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.8	9.5	14.3#
236	26.1	20.7	31.1





#77

Pvrene

Concen: 26.620 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107214.D

Acq: 7 Jul 2018 18:39

Instrument :

BNA_F

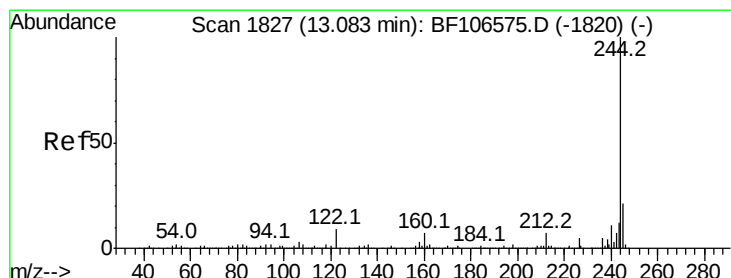
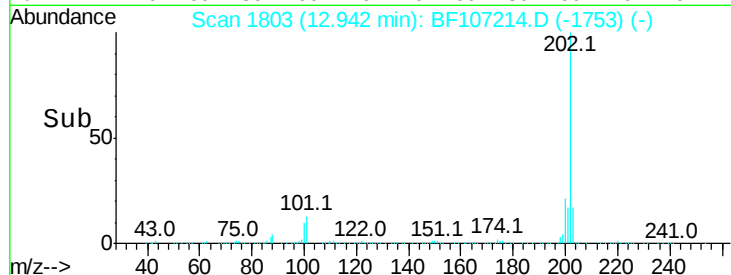
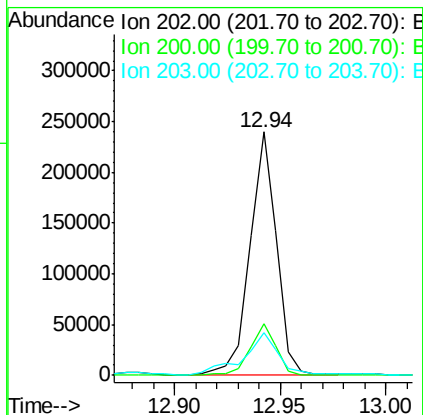
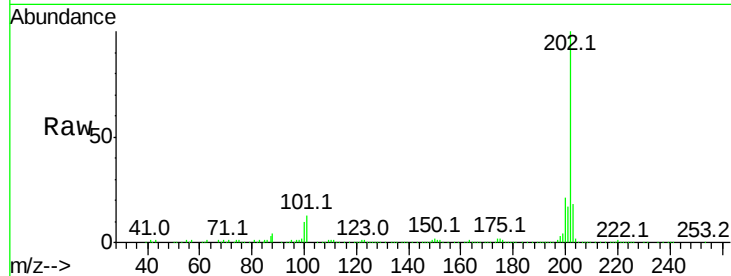
ClientSampleId :

SURCHARGE-SP-13

Tot Ion:	202	Resp:	208537
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.6	14.3	21.5

Manual Integrations
APPROVED

Sohil
7/9/2018 2:06:47 PM



#78

Terphenyl-d14

Concen: 96.191 ng

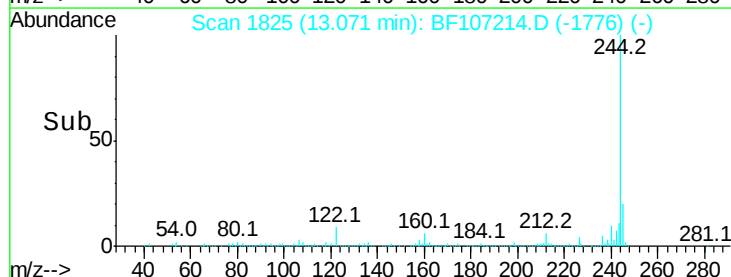
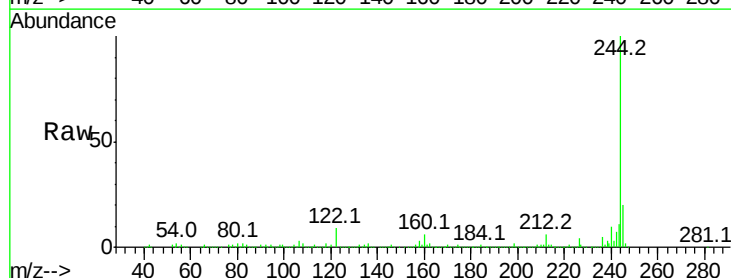
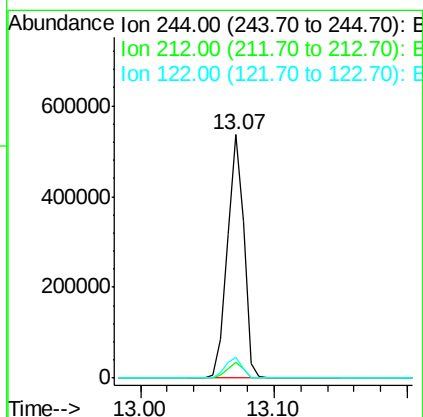
RT: 13.07 min Scan# 1825

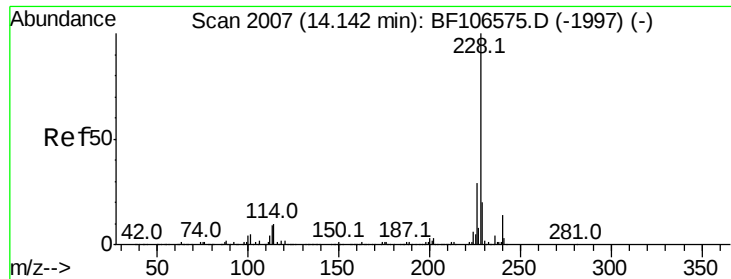
Delta R.T. -0.01 min

Lab File: BF107214.D

Acq: 7 Jul 2018 18:39

Tgt Ion:	244	Resp:	471756
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.7	11.0	16.4#





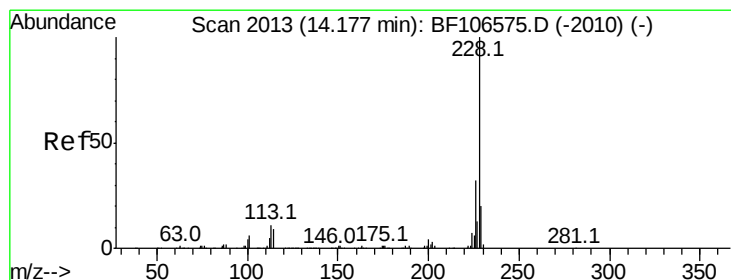
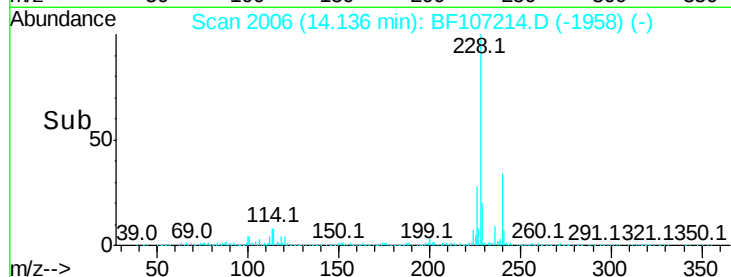
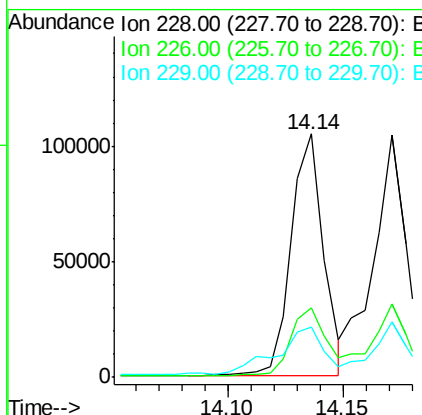
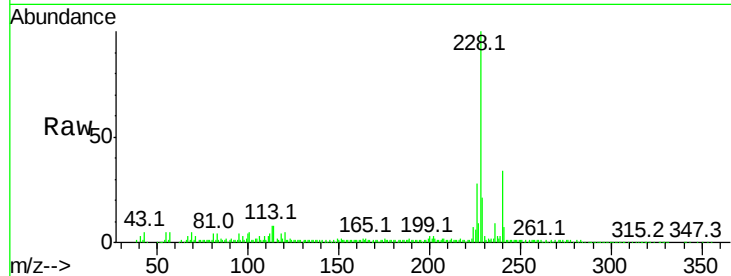
#80
Benzo(a)anthracene
Concen: 14.018 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107214.D
Acq: 7 Jul 2018 18:39

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-13

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.7	15.8	23.6

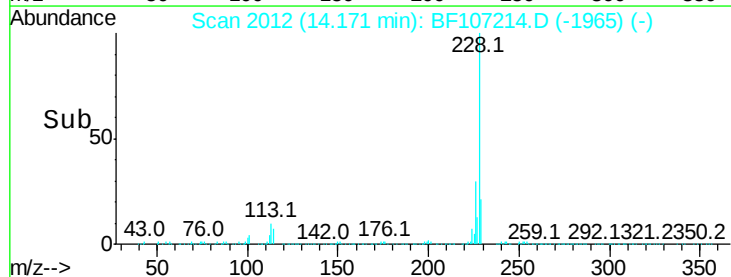
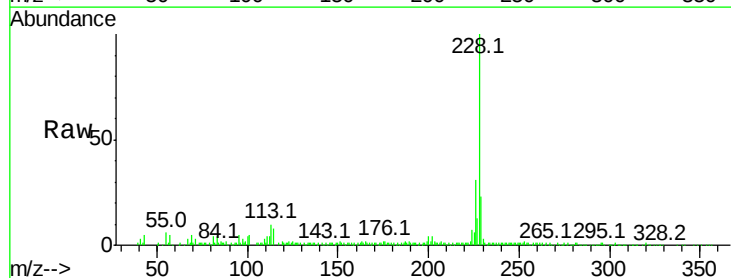
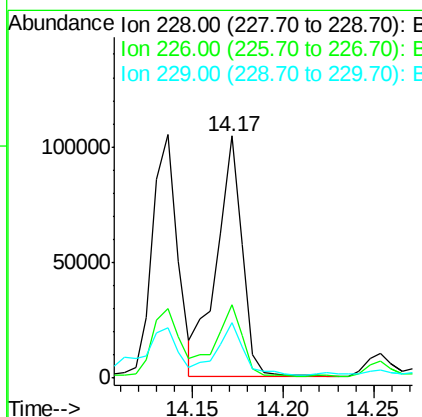
Manual Integrations
APPROVED

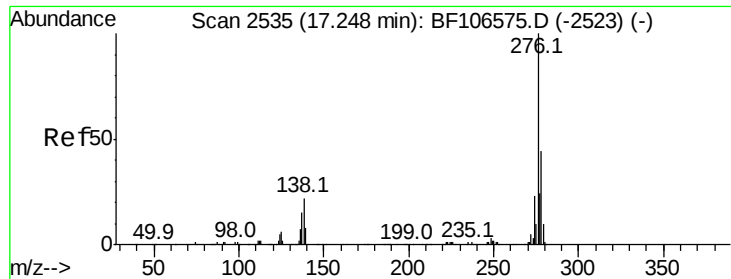
Sohil
7/9/2018 2:06:47 PM



#82
Chrysene
Concen: 15.344 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107214.D
Acq: 7 Jul 2018 18:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.8	16.2	24.4





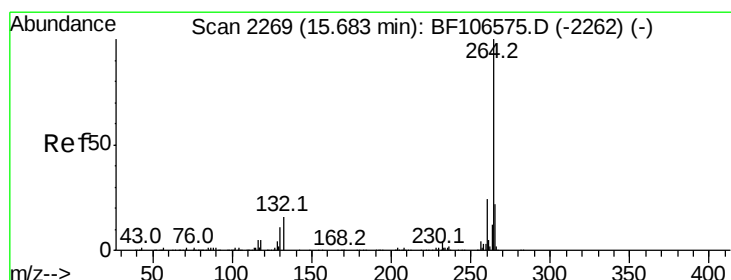
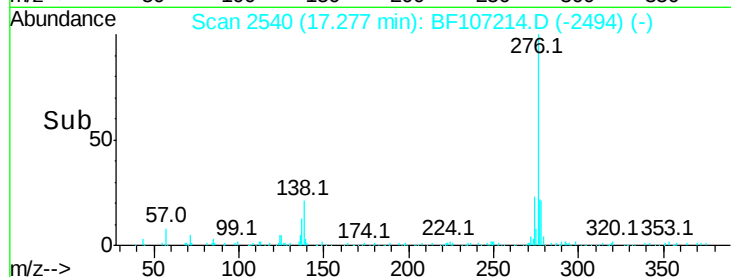
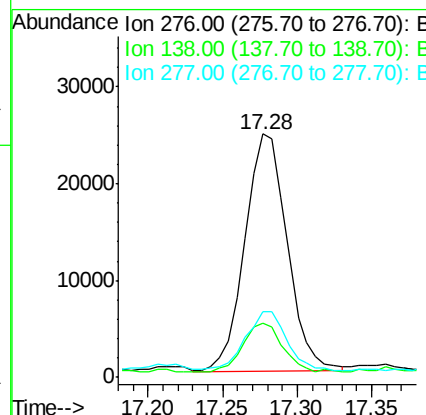
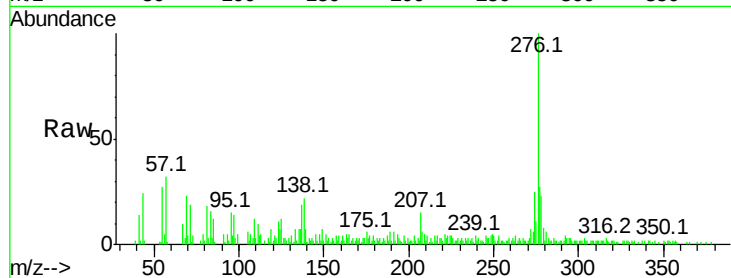
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.525 ng
 RT: 17.28 min Scan# 2540
 Delta R.T. -0.03 min
 Lab File: BF107214.D
 Acq: 7 Jul 2018 18:39

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-13

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	25.0	37.6#
277	24.8	20.1	30.1

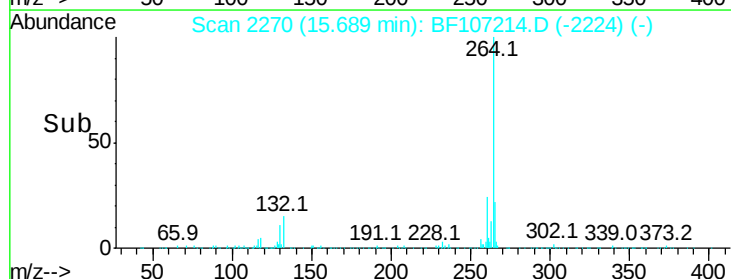
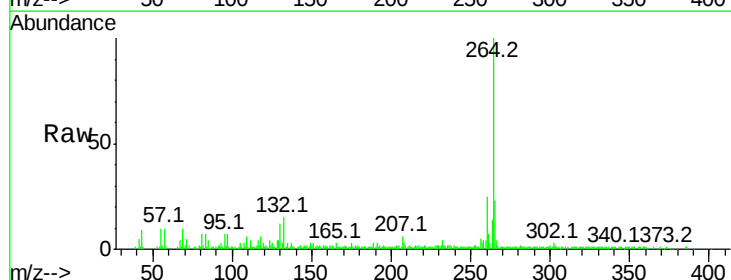
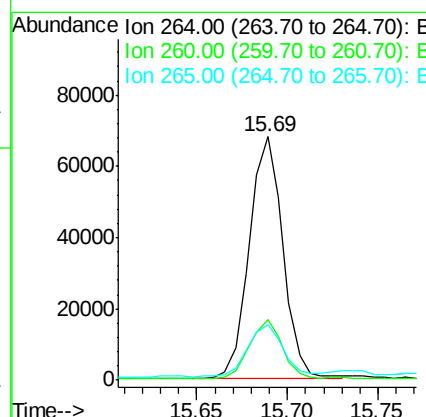
Manual Integrations
 APPROVED

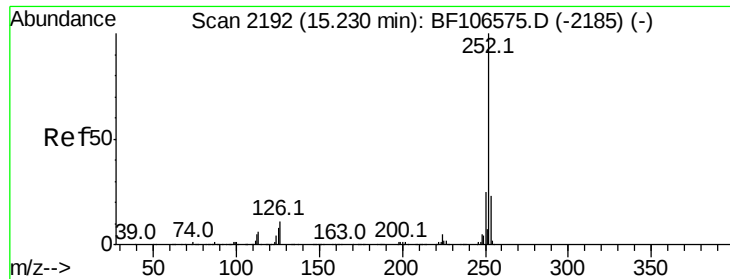
Sohil
 7/9/2018 2:06:47 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.03 min
 Lab File: BF107214.D
 Acq: 7 Jul 2018 18:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 20.630 ng m

RT: 15.23 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF107214.D

Acq: 7 Jul 2018 18:39

Instrument :

BNA_F

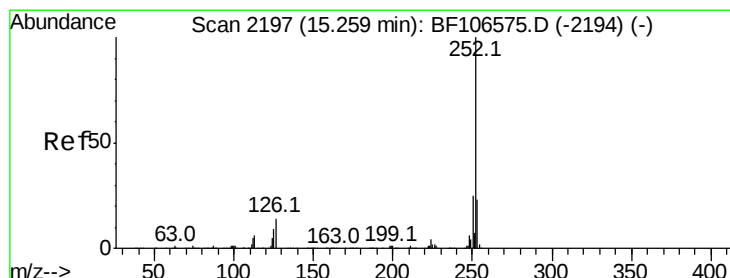
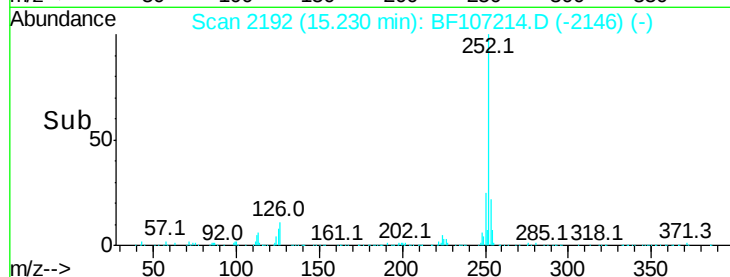
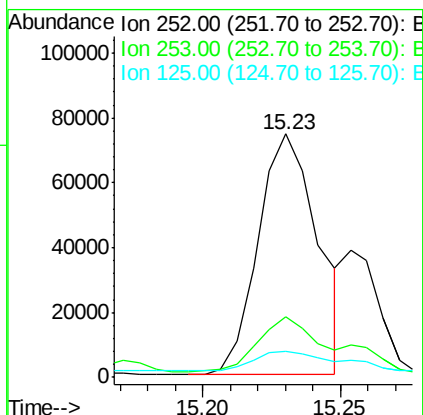
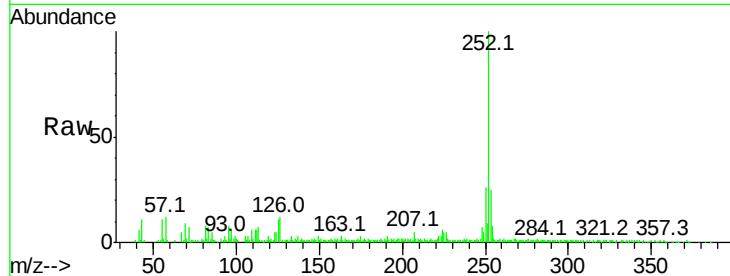
ClientSampleId :

SURCHARGE-SP-13

Tot Ion:	252	Resp:	112085
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.0	25.6
125	10.9	9.0	13.6

Manual Integrations
APPROVED

Sohil
7/9/2018 2:06:47 PM



#88

Benzo(k)fluoranthene

Concen: 6.732 ng m

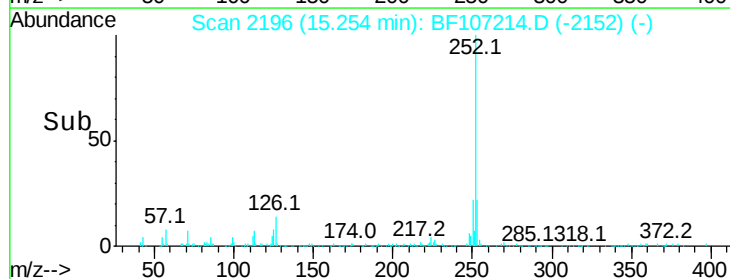
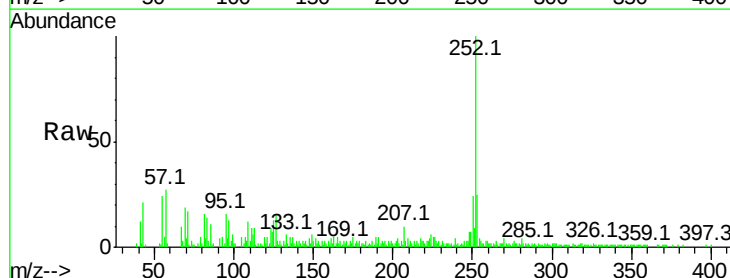
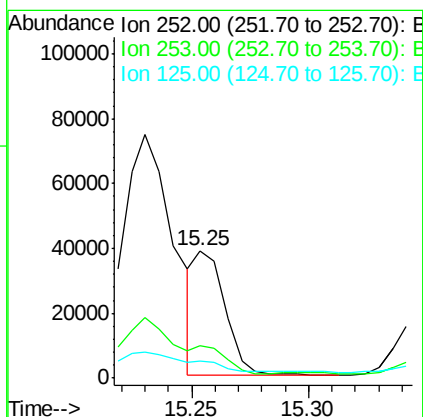
RT: 15.25 min Scan# 2196

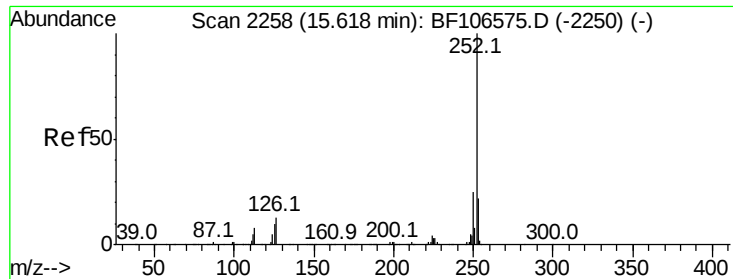
Delta R.T. -0.04 min

Lab File: BF107214.D

Acq: 7 Jul 2018 18:39

Tgt Ion:	252	Resp:	34828
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.9	26.9
125	13.2	10.2	15.2





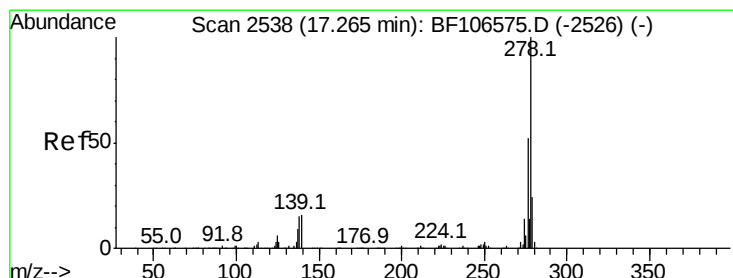
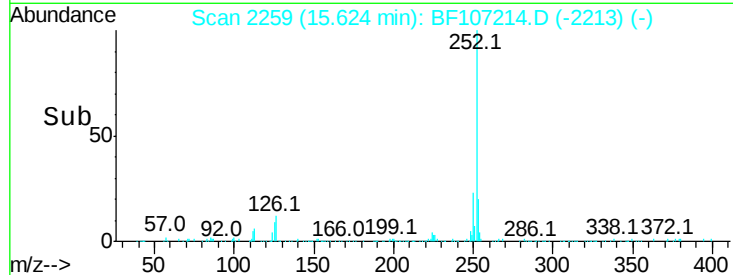
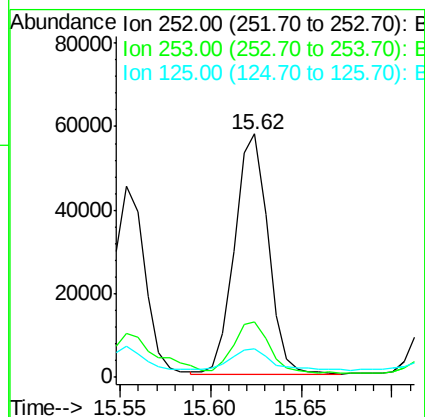
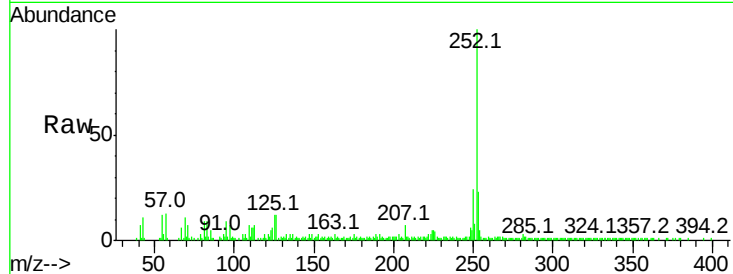
#89
Benzo(a)pyrene
Concen: 15.431 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF107214.D
Acq: 7 Jul 2018 18:39

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-13

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	11.7	9.8	14.6

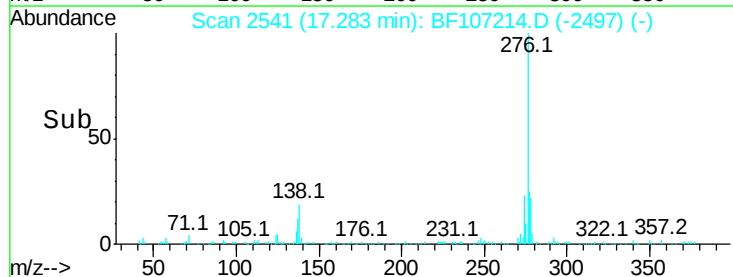
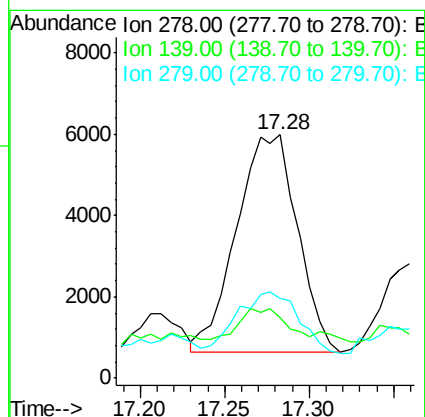
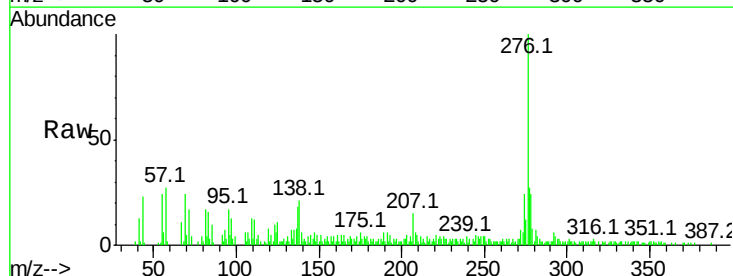
Manual Integrations
APPROVED

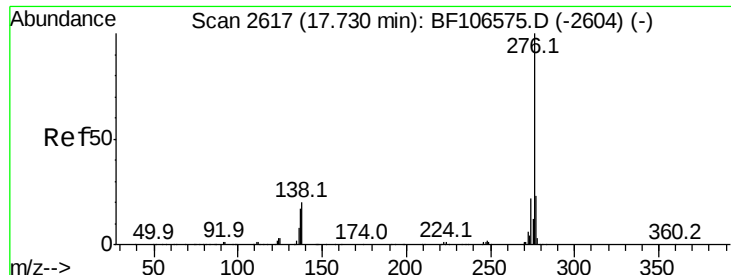
Sohil
7/9/2018 2:06:47 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.278 ng
RT: 17.28 min Scan# 2541
Delta R.T. -0.04 min
Lab File: BF107214.D
Acq: 7 Jul 2018 18:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.0	15.9	23.9#
279	33.0	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 11.978 ng
 RT: 17.77 min Scan# 2624
 Delta R.T. -0.02 min
 Lab File: BF107214.D
 Acq: 7 Jul 2018 18:39

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-13

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	19.5	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 7/9/2018 2:06:47 PM

