

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107234.D
 Acq On : 9 Jul 2018 17:41
 Operator : JU/SJ
 Sample : J3880-09RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-15RE

Manual Integrations
 APPROVED

Sohil
 7/10/2018 2:46:34 PM

Quant Time: Jul 09 18:39:34 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	40904	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	145178	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	63846	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	118520	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	107013	20.00	ng	-0.02
86) Perylene-d12	15.69	264	70955	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	256584	106.22	ng	0.00
7) Phenol-d6	6.60	99	315707	104.66	ng	-0.02
23) Nitrobenzene-d5	7.51	82	190858	73.06	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	78615	106.24	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	333695	89.19	ng	-0.02
78) Terphenyl-d14	13.07	244	381309	86.31	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.70	163	80578	16.827	ng	Qvalue 98
70) Phenanthrene	11.51	178	58946	10.312	ng	98
71) Anthracene	11.57	178	22687	3.888	ng	98
74) Fluoranthene	12.71	202	134315	21.318	ng	94
77) Pyrene	12.94	202	128375	18.192	ng	100
80) Benzo(a)anthracene	14.14	228	74119	11.364	ng	98
82) Chrysene	14.17	228	65387	10.897	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	30391	5.968	ng	# 86
87) Benzo(b)fluoranthene	15.24	252	76173m	17.282	ng	
88) Benzo(k)fluoranthene	15.26	252	21971m	5.234	ng	
89) Benzo(a)pyrene	15.63	252	44875	11.453	ng	96
90) Dibenzo(a,h)anthracene	17.29	278	8932	2.690	ng	# 78
91) Benzo(a,h,i)perylene	17.78	276	30020	9.249	ng	# 88

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

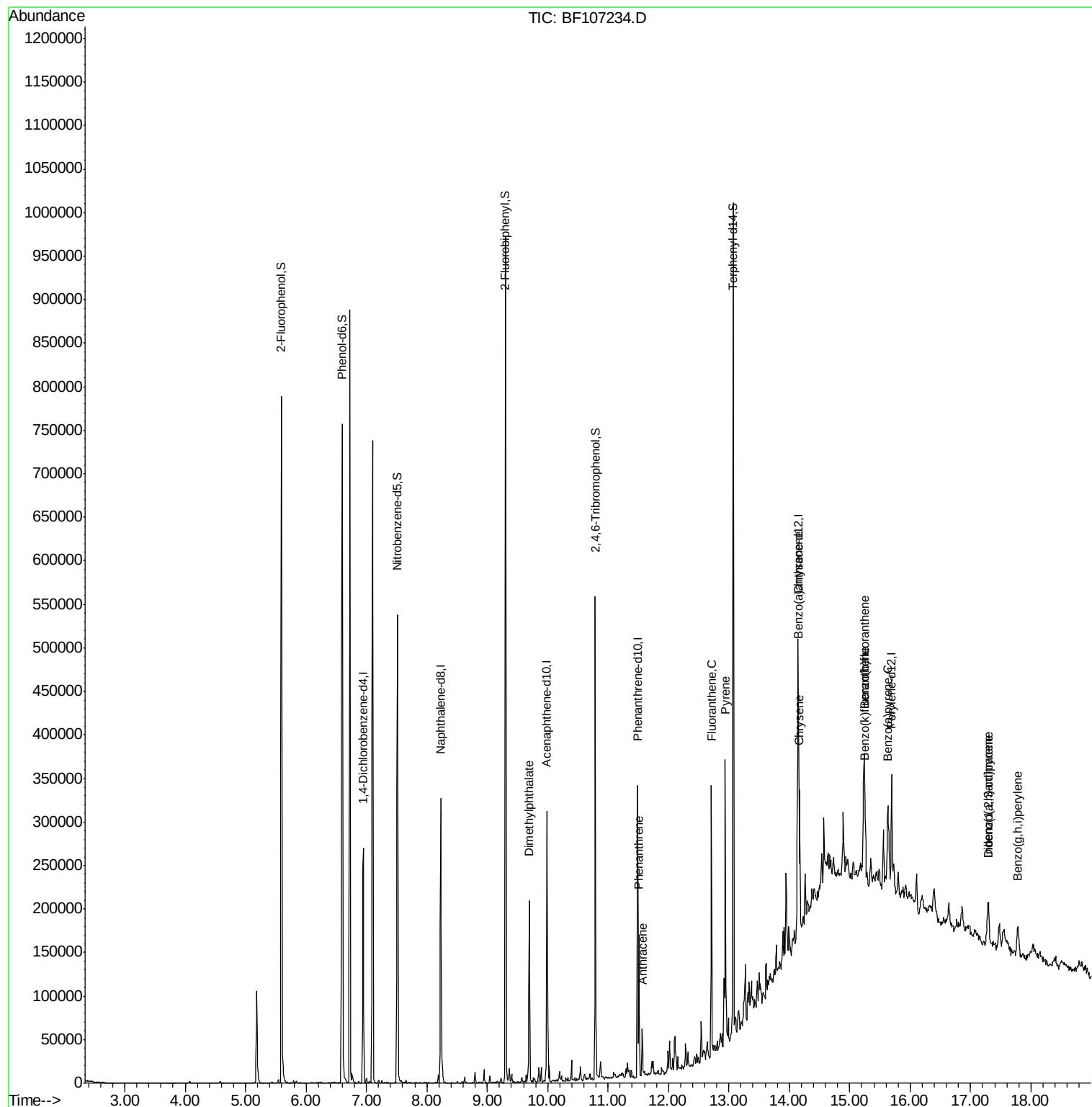
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107234.D
Acq On : 9 Jul 2018 17:41
Operator : JU/SJ
Sample : J3880-09RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

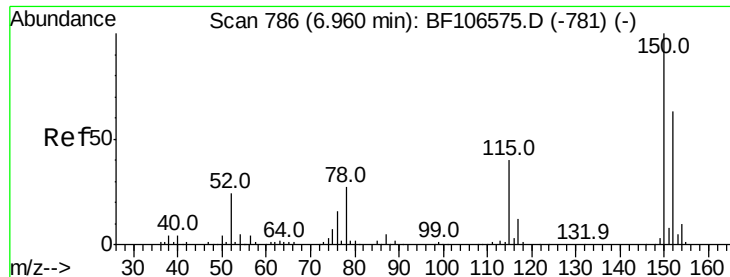
Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15RE

Manual Integrations
APPROVED

Sohil
7/10/2018 2:46:34 PM

Quant Time: Jul 09 18:39:34 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

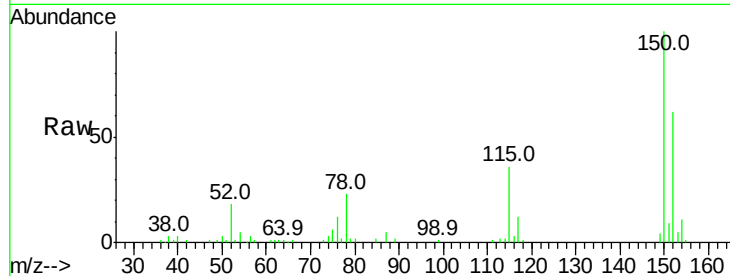
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107234.D
Acq: 9 Jul 2018 17:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15RE

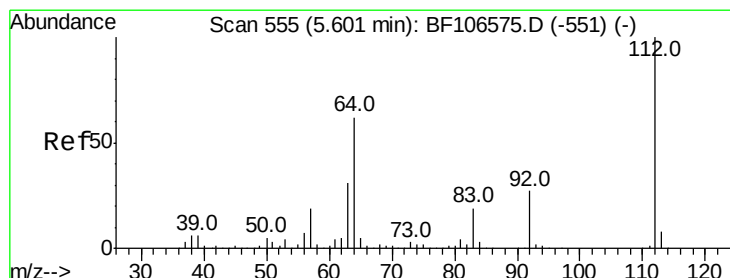
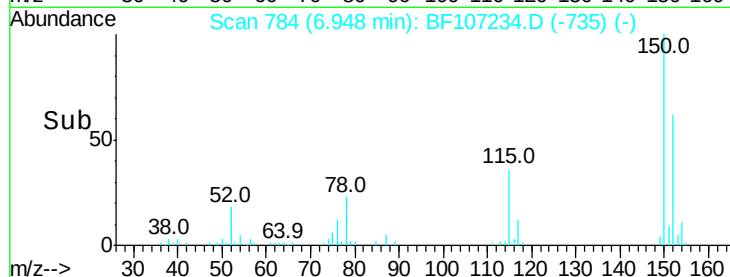
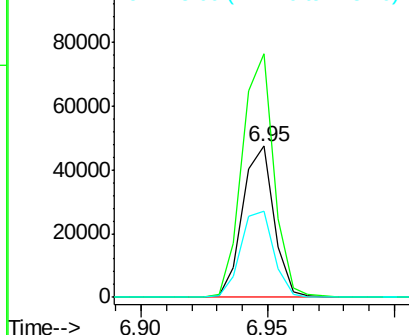
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.0	124.6	186.8
115	57.4	50.1	75.1

Manual Integrations
APPROVED

Sohil
7/10/2018 2:46:34 PM



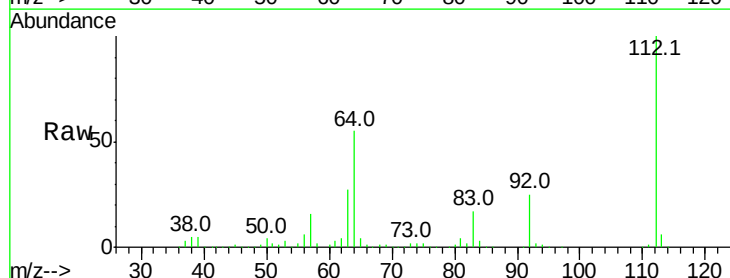
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



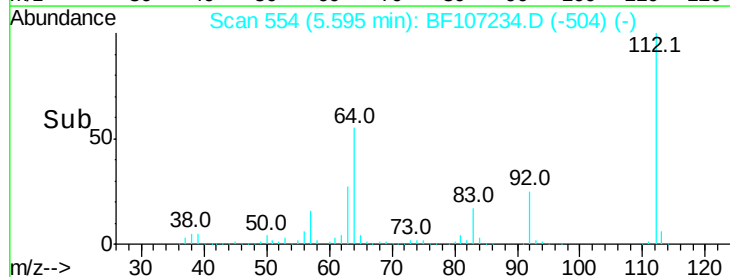
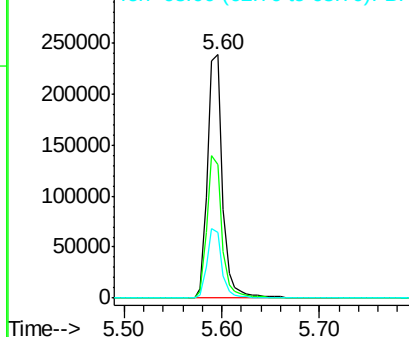
#5

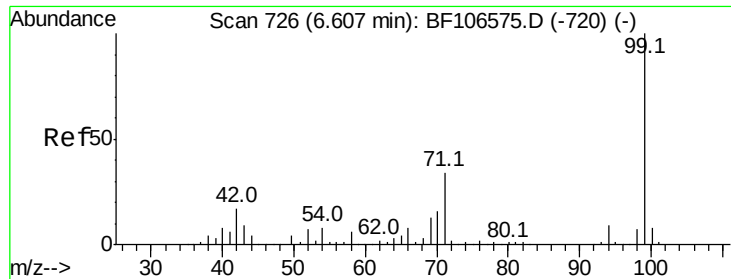
2-Fluorophenol
Concen: 106.219 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107234.D
Acq: 9 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	47.9	71.9
63	27.1	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 104.655 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107234.D

Acq: 9 Jul 2018 17:41

Instrument :

BNA_F

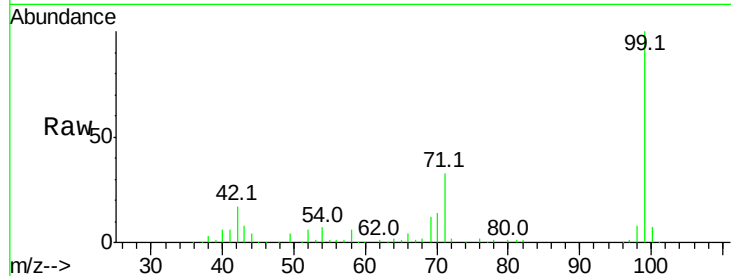
ClientSampleId :

SURCHARGE-SP-15RE

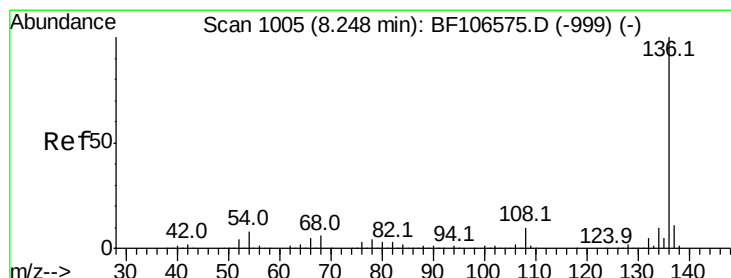
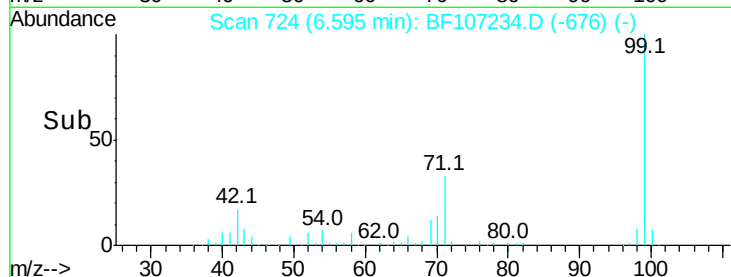
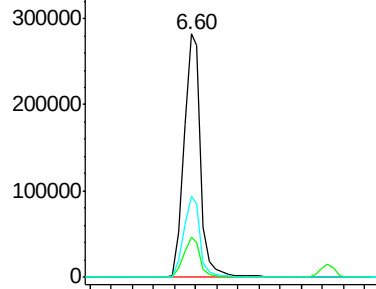
Tot Ion:	99	Resp:	315707
Ion Ratio	Lower	Upper	
99	100		
42	16.6	14.5	21.7
71	33.4	25.4	38.0

Manual Integrations
APPROVED

Sohil
7/10/2018 2:46:34 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1002

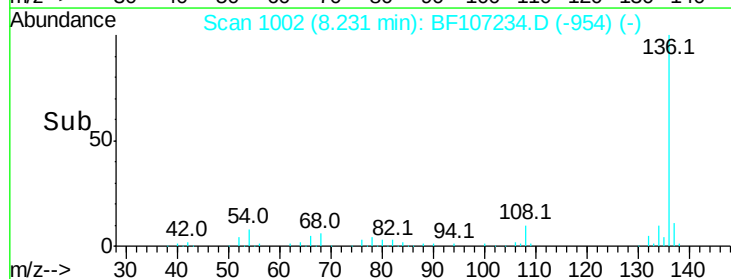
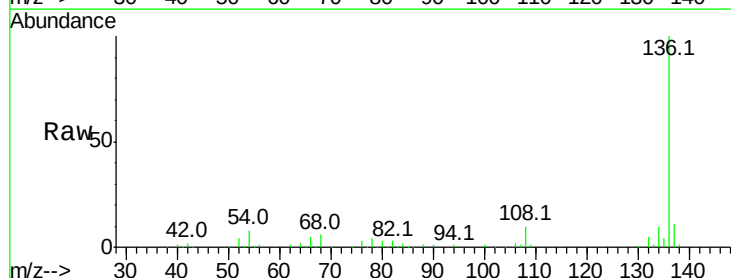
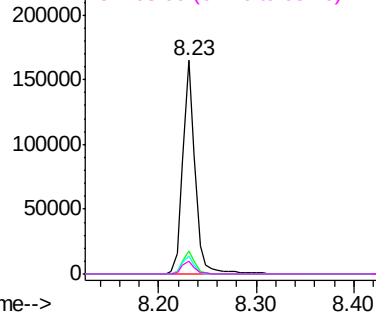
Delta R.T. -0.02 min

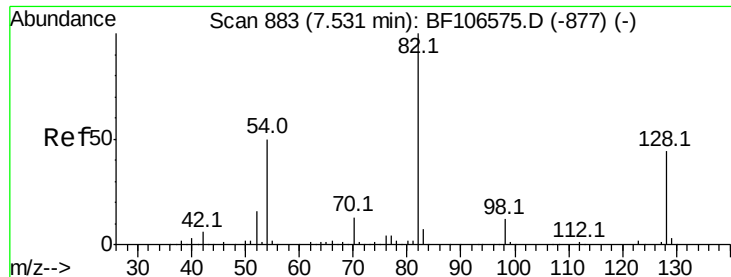
Lab File: BF107234.D

Acq: 9 Jul 2018 17:41

Tgt Ion:	136	Resp:	145178
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.2	6.6	9.8
68	6.2	5.0	7.4

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





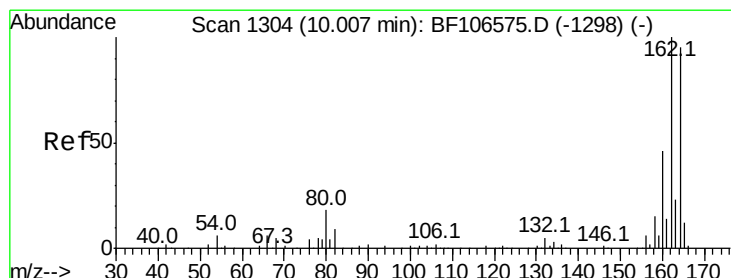
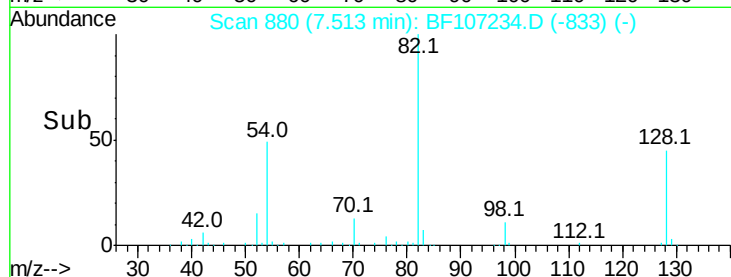
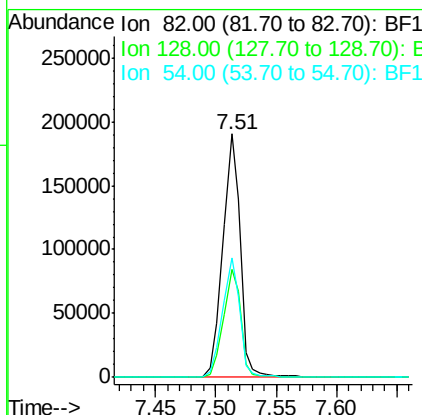
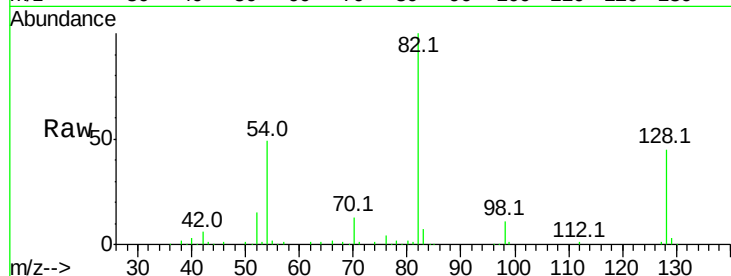
#23
 Nitrobenzene-d5
 Concen: 73.060 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107234.D
 Acq: 9 Jul 2018 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-15RE

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	49.3	41.4	62.2

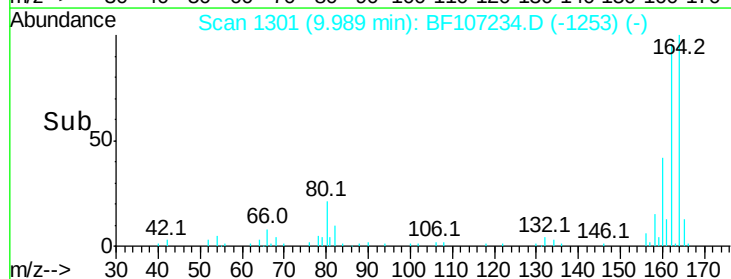
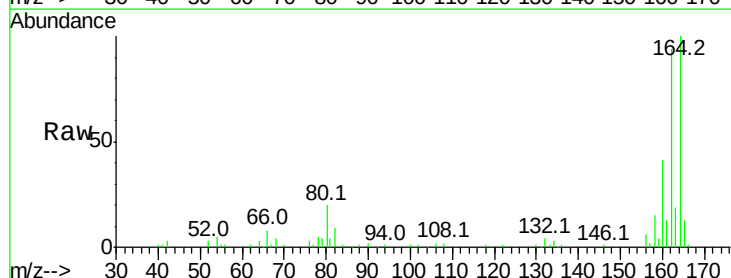
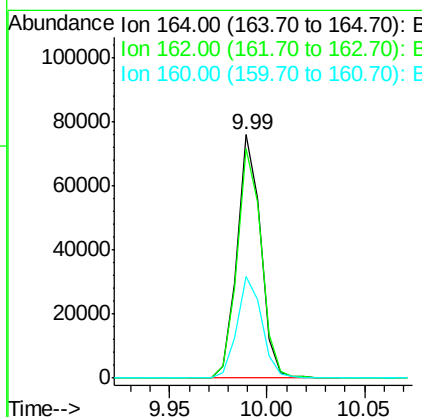
Manual Integrations
 APPROVED

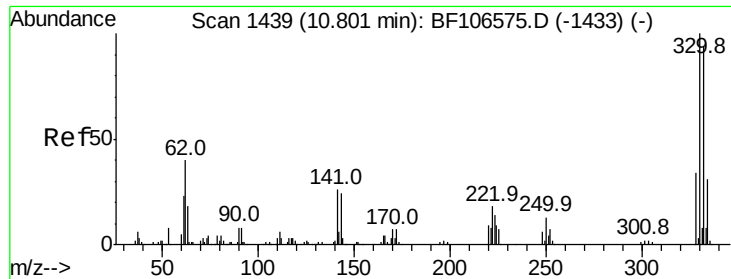
Sohil
 7/10/2018 2:46:34 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107234.D
 Acq: 9 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.1	86.1	129.1
160	41.5	38.3	57.5





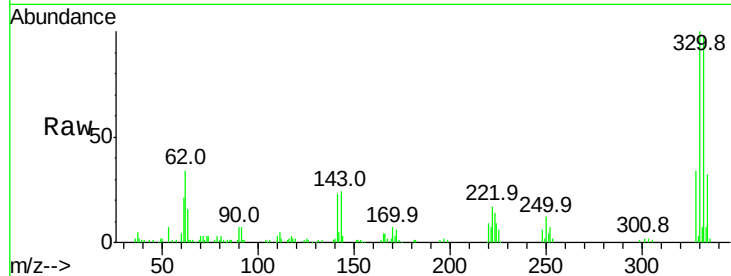
#41
 2,4,6-Tribromophenol
 Concen: 106.238 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107234.D
 Acq: 9 Jul 2018 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-15RE

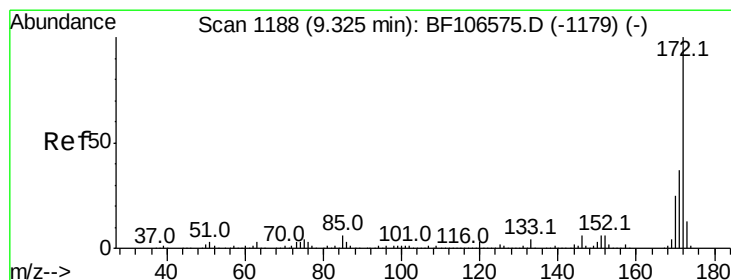
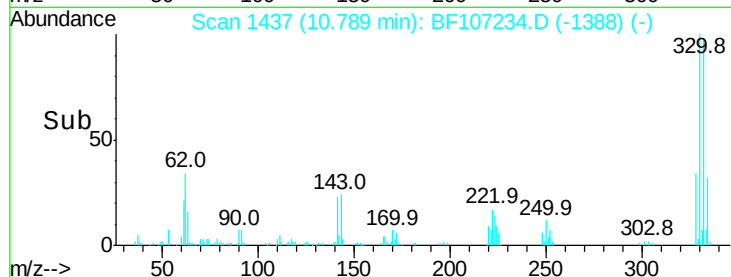
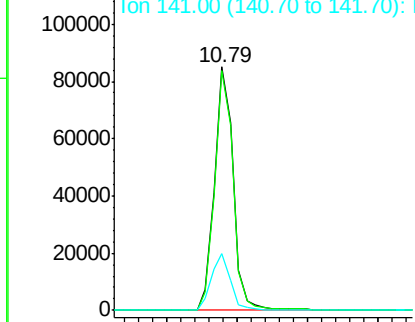
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	23.8	29.9	44.9#

Manual Integrations
 APPROVED

Sohil
 7/10/2018 2:46:34 PM

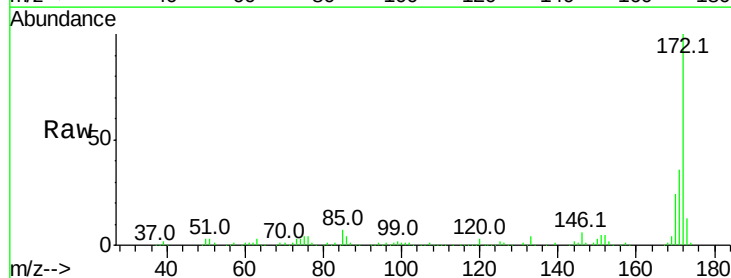


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

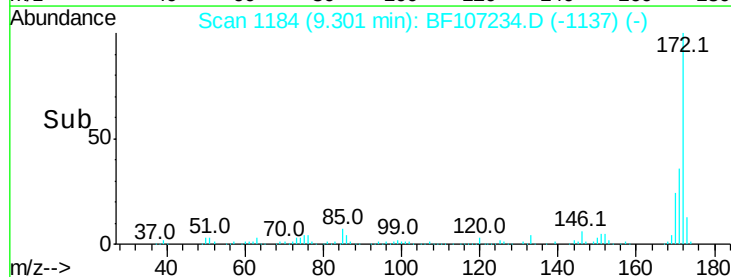
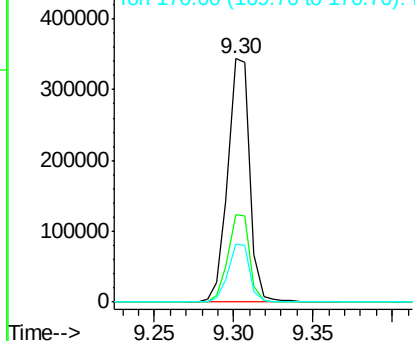


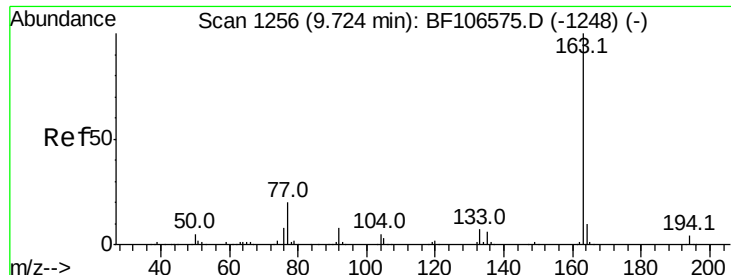
#44
 2-Fluorobiphenyl
 Concen: 89.194 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107234.D
 Acq: 9 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	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





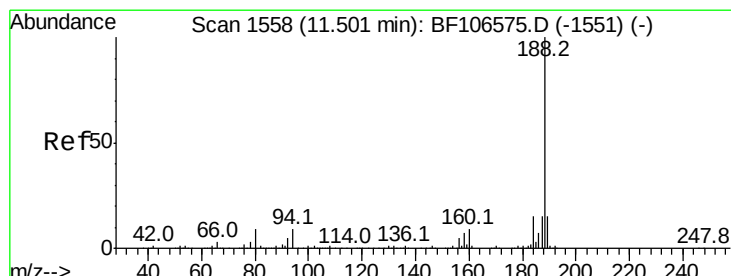
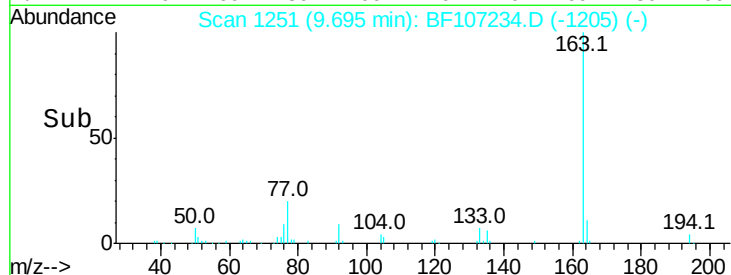
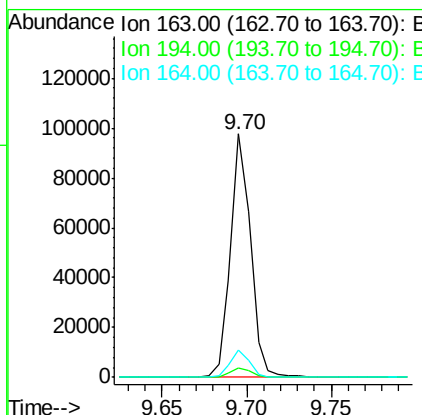
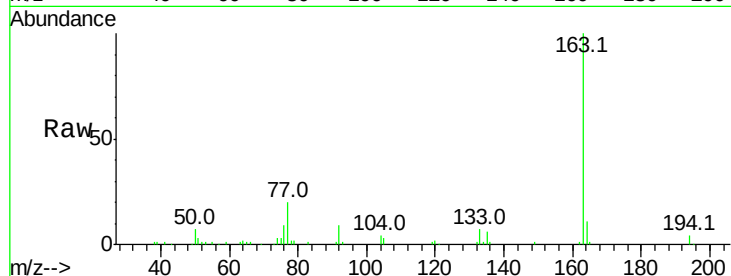
#49
Dimethylphthalate
Concen: 16.827 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107234.D
Acq: 9 Jul 2018 17:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15RE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	80578		
194	3.8		2.7	4.1
164	11.1		8.2	12.2

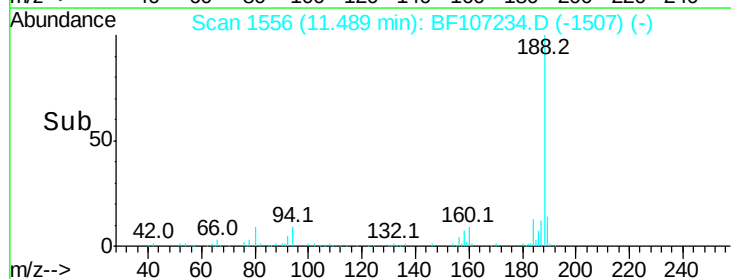
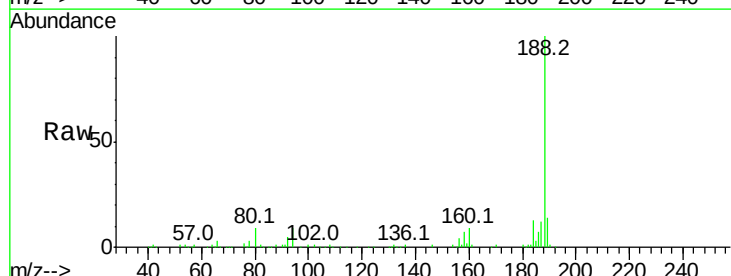
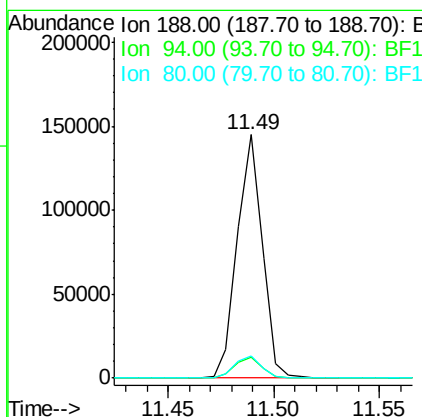
Manual Integrations
APPROVED

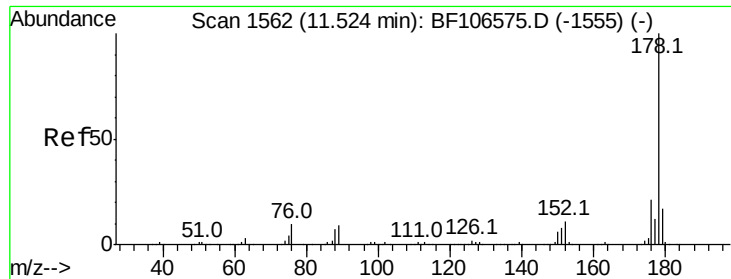
Sohil
7/10/2018 2:46:34 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107234.D
Acq: 9 Jul 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	118520		
94	8.7		8.5	12.7
80	9.3		9.2	13.8





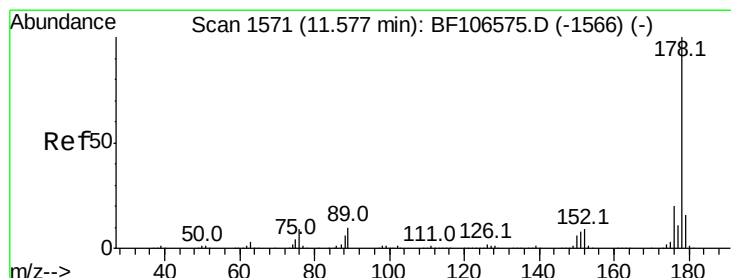
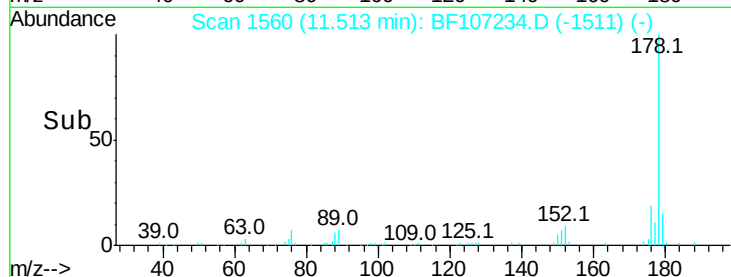
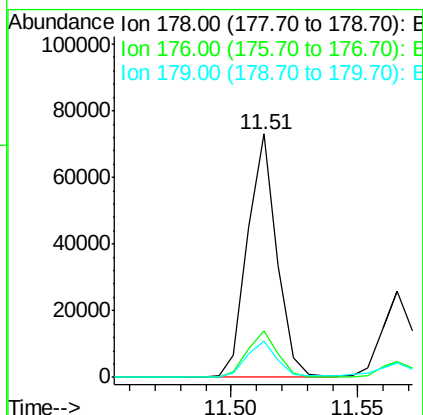
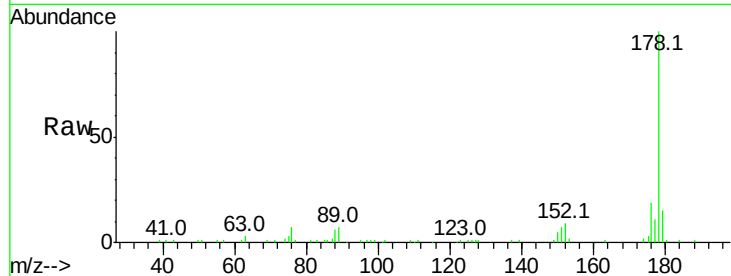
#70
Phenanthrene
Concen: 10.312 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107234.D
Acq: 9 Jul 2018 17:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	14.9	13.0	19.6

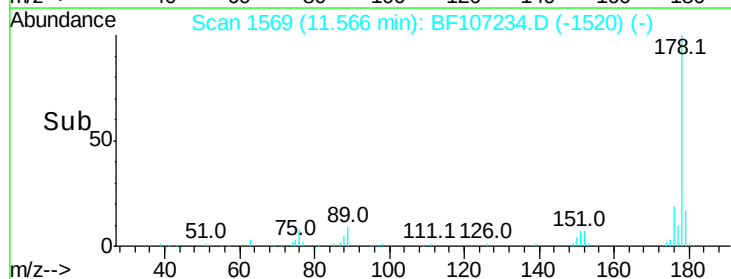
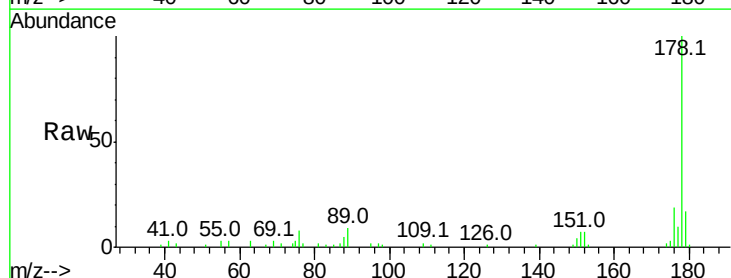
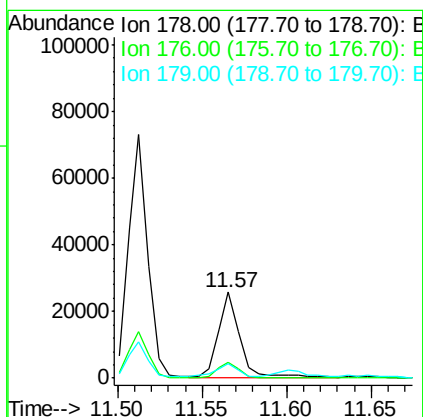
Manual Integrations
APPROVED

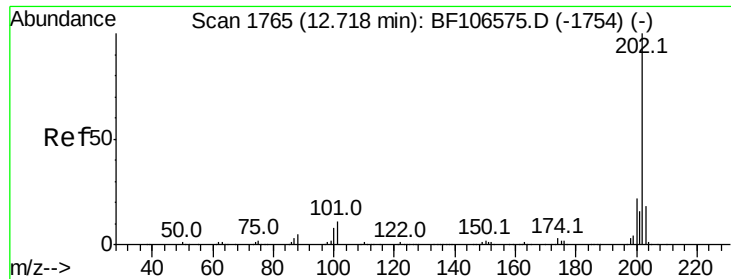
Sohil
7/10/2018 2:46:34 PM



#71
Anthracene
Concen: 3.888 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF107234.D
Acq: 9 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	16.7	12.6	19.0





#74

Fluoranthene

Concen: 21.318 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107234.D

Acq: 9 Jul 2018 17:41

Instrument :

BNA_F

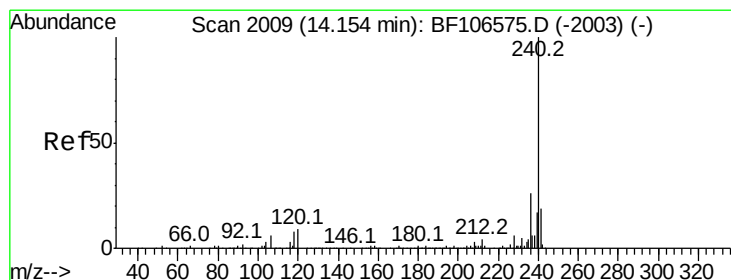
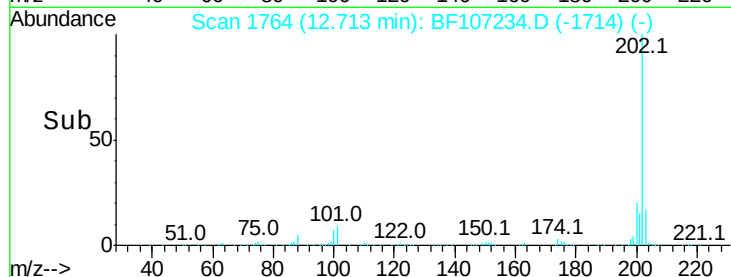
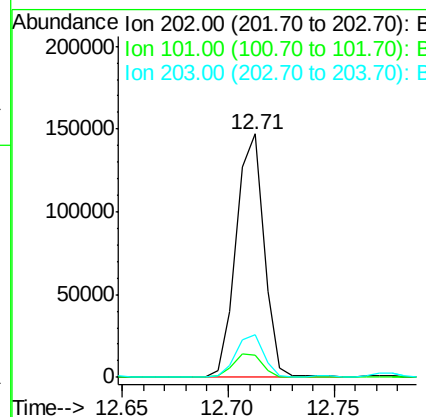
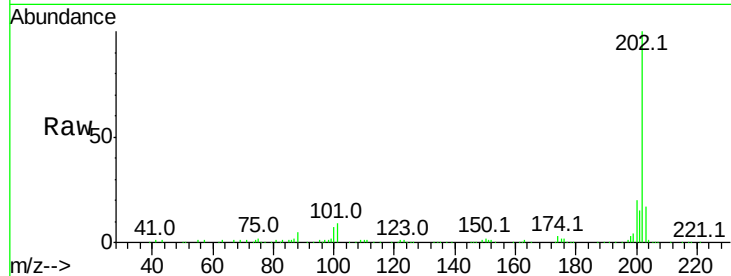
ClientSampleId :

SURCHARGE-SP-15RE

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	9.1	0.0	34.1	
203	17.4	0.0	38.1	

Manual Integrations
APPROVED

Sohil
7/10/2018 2:46:34 PM



#75

Chrysene-d12

Concen: 20.000 ng

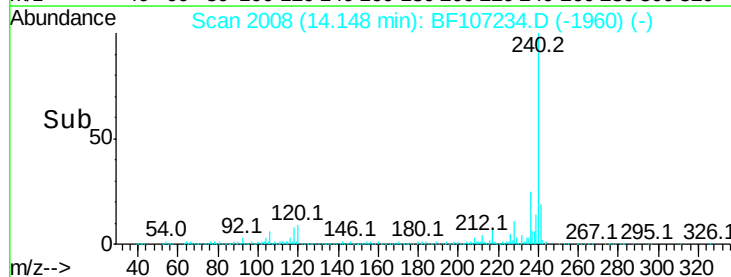
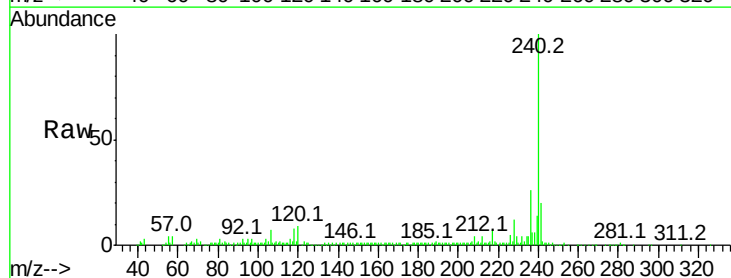
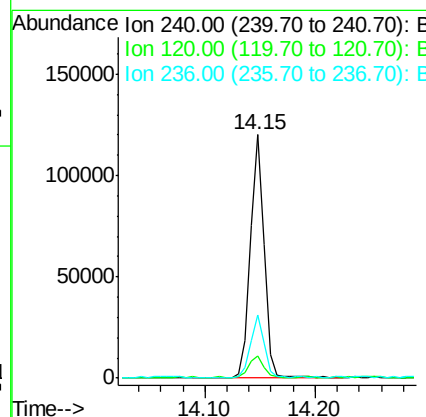
RT: 14.15 min Scan# 2008

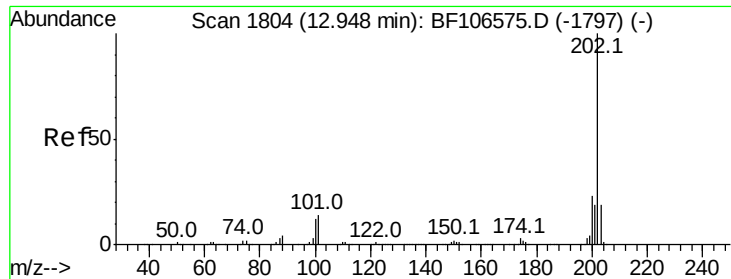
Delta R.T. -0.02 min

Lab File: BF107234.D

Acq: 9 Jul 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	9.1	9.5	14.3#	
236	25.7	20.7	31.1	





#77

Pvrene

Concen: 18.192 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107234.D

Acq: 9 Jul 2018 17:41

Instrument :

BNA_F

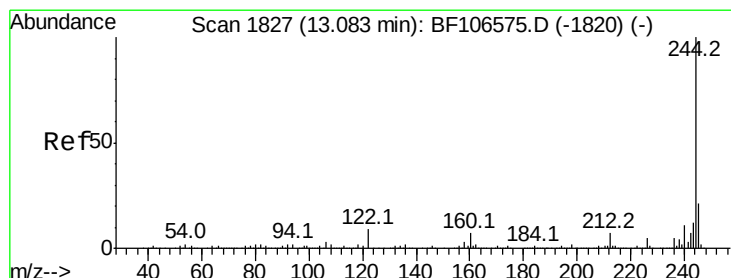
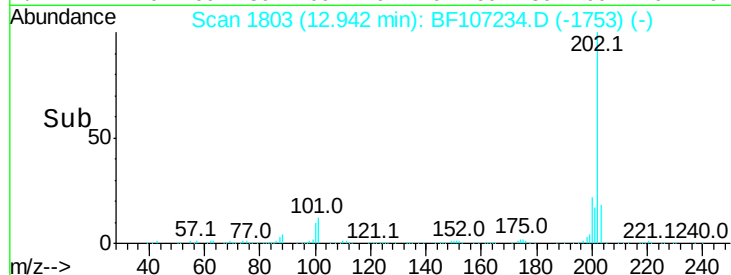
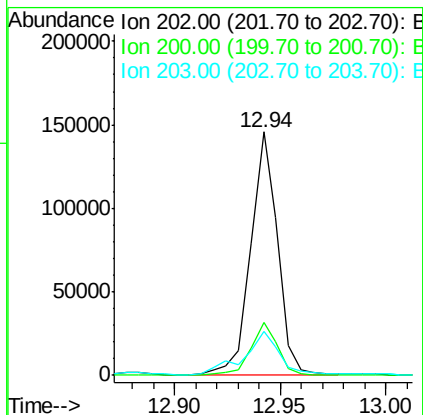
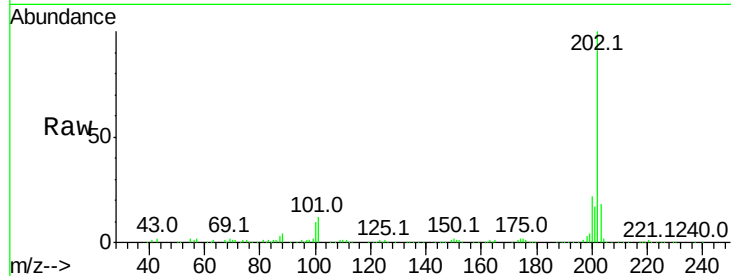
ClientSampleId :

SURCHARGE-SP-15RE

Tot Ion:	202	Resp:	128375
Ion Ratio		Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.1	14.3	21.5

Manual Integrations
APPROVED

Sohil
7/10/2018 2:46:34 PM



#78

Terphenyl-d14

Concen: 86.311 ng

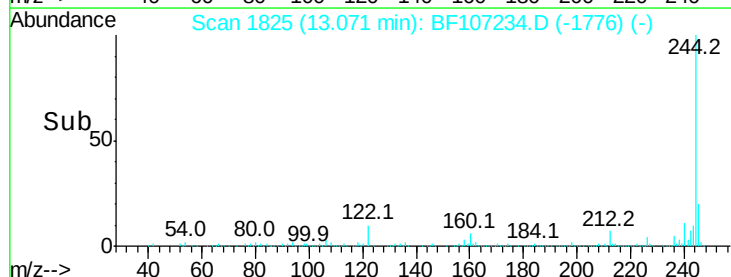
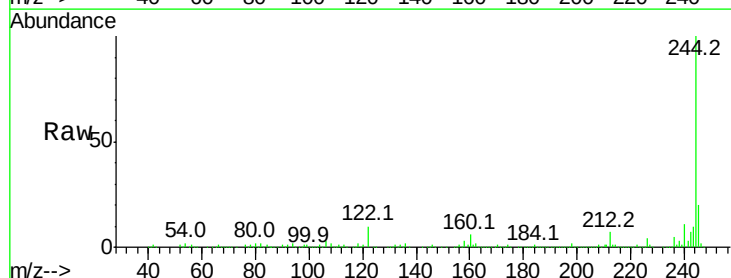
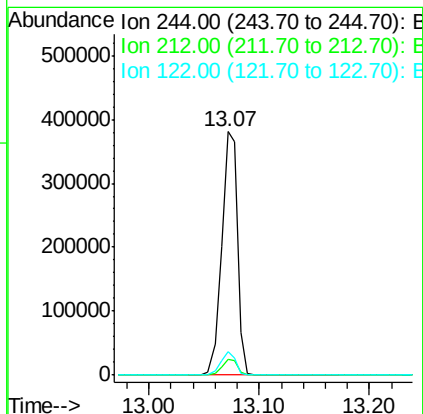
RT: 13.07 min Scan# 1825

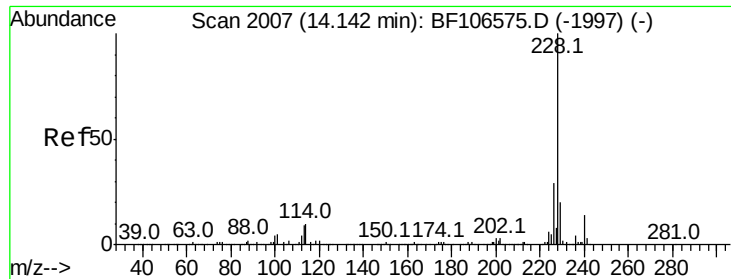
Delta R.T. -0.01 min

Lab File: BF107234.D

Acq: 9 Jul 2018 17:41

Tgt Ion:	244	Resp:	381309
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.5	11.0	16.4#





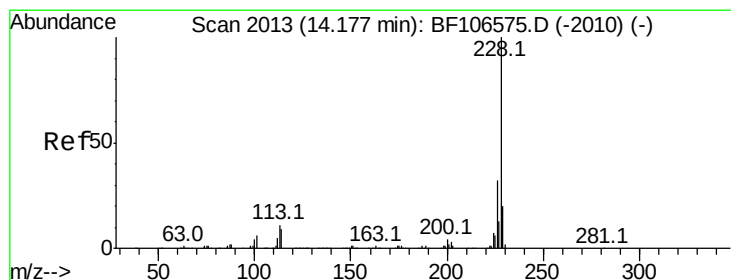
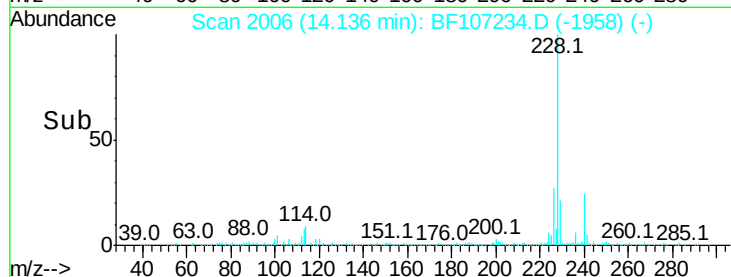
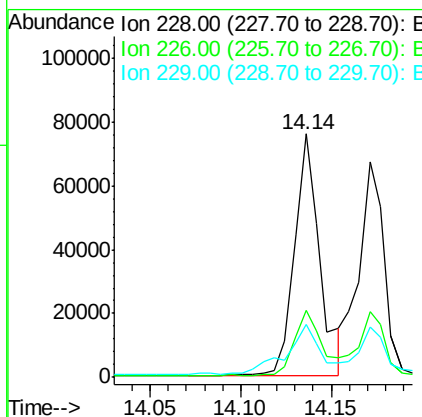
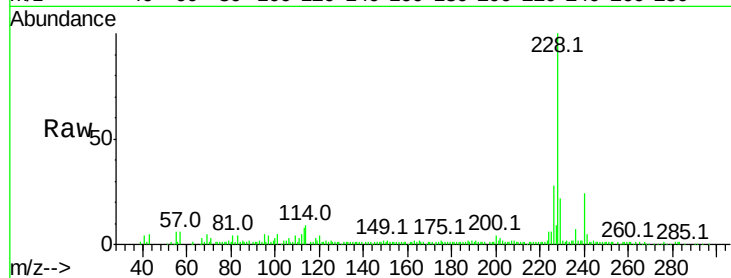
#80
Benzo(a)anthracene
Concen: 11.364 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107234.D
Acq: 9 Jul 2018 17:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	21.6	15.8	23.6

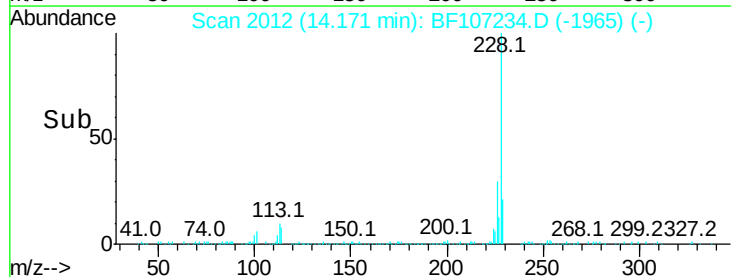
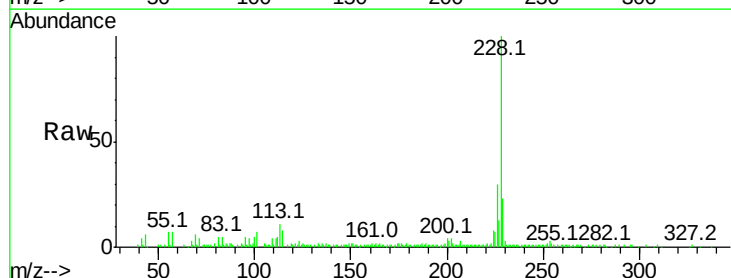
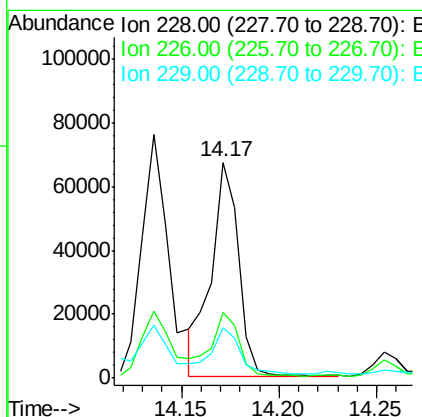
Manual Integrations
APPROVED

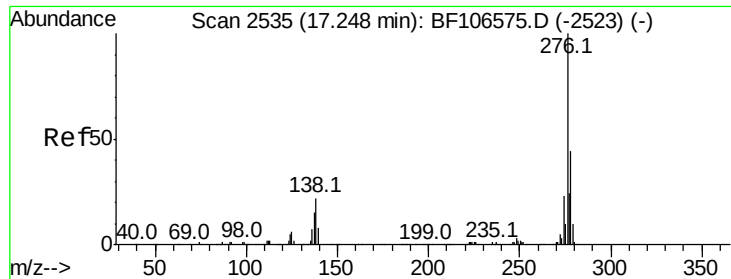
Sohil
7/10/2018 2:46:34 PM



#82
Chrysene
Concen: 10.897 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107234.D
Acq: 9 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	23.2	16.2	24.4





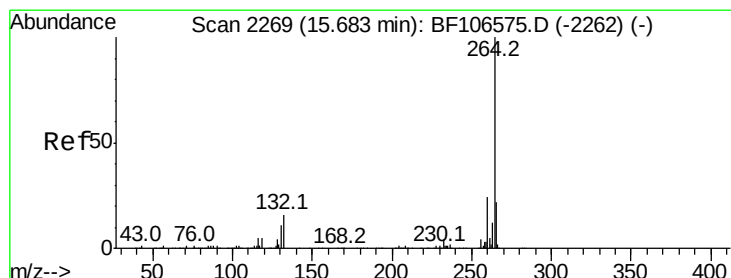
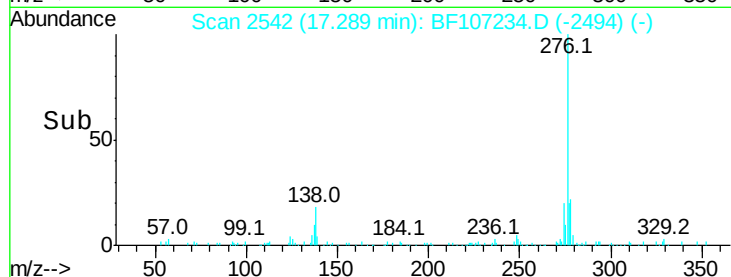
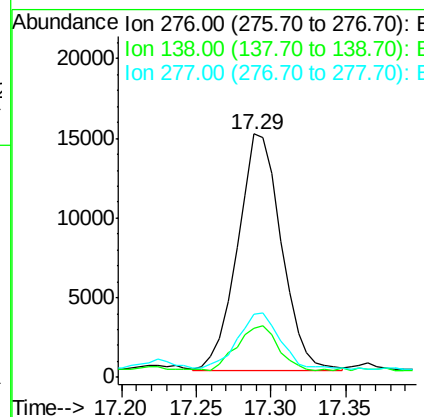
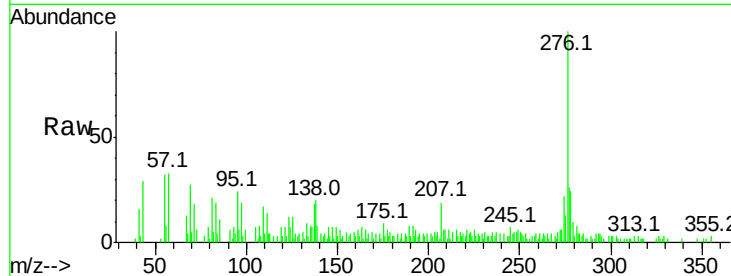
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.968 ng
 RT: 17.29 min Scan# 2542
 Delta R.T. -0.02 min
 Lab File: BF107234.D
 Acq: 9 Jul 2018 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-15RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.2	25.0	37.6#
277	23.9	20.1	30.1

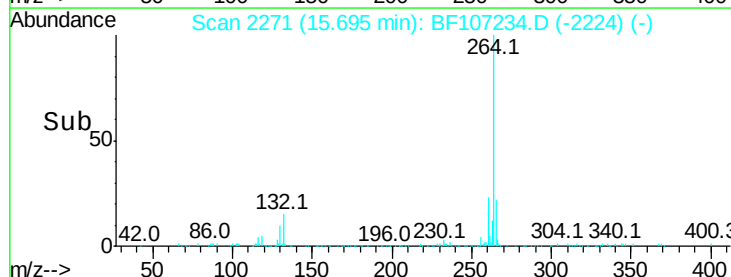
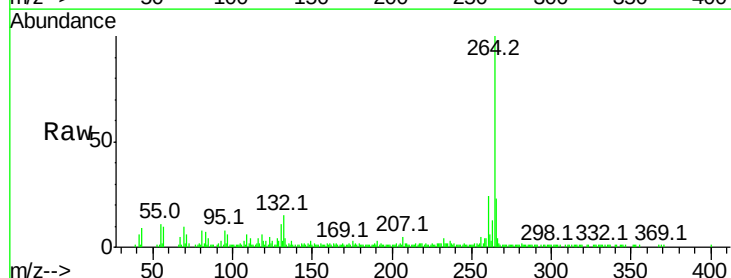
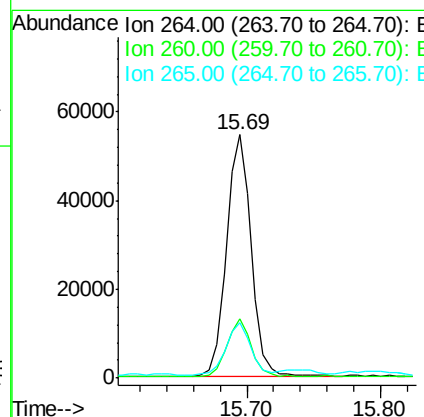
Manual Integrations
 APPROVED

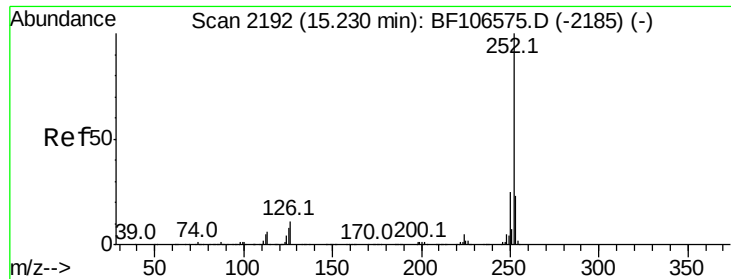
Sohil
 7/10/2018 2:46:34 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF107234.D
 Acq: 9 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 17.282 ng m

RT: 15.24 min Scan# 2193

Delta R.T. -0.02 min

Lab File: BF107234.D

Acq: 9 Jul 2018 17:41

Instrument :

BNA_F

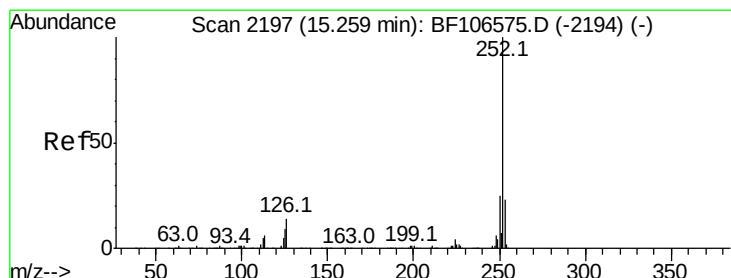
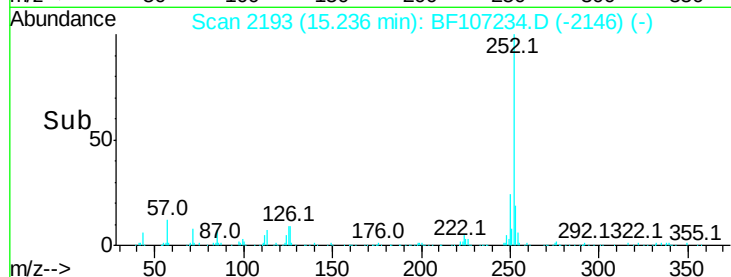
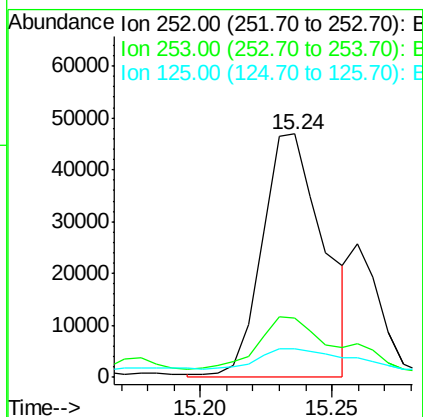
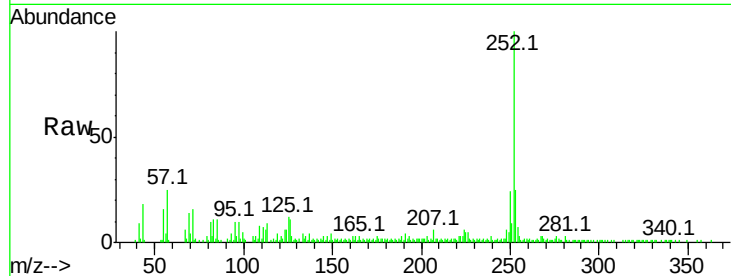
ClientSampleId :

SURCHARGE-SP-15RE

Tot Ion:	252	Resp:	76173
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.0	25.6
125	11.9	9.0	13.6

Manual Integrations
APPROVED

Sohil
7/10/2018 2:46:34 PM



#88

Benzo(k)fluoranthene

Concen: 5.234 ng m

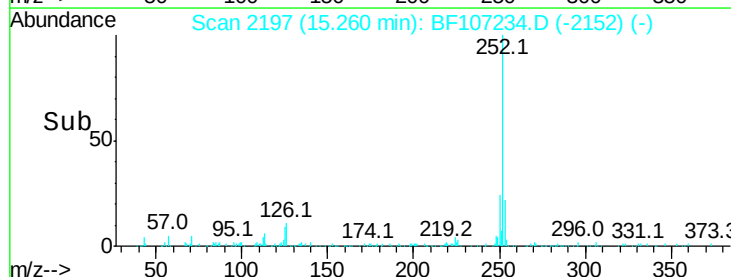
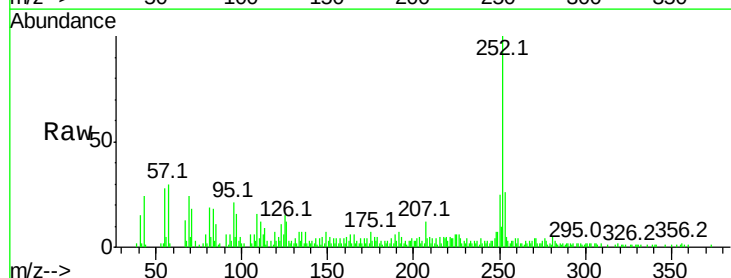
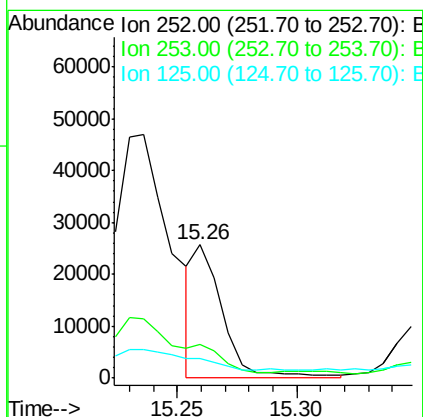
RT: 15.26 min Scan# 2197

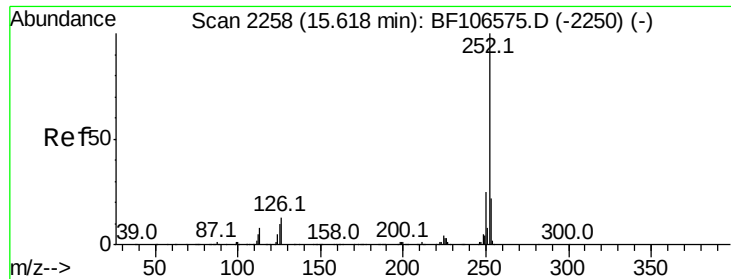
Delta R.T. -0.04 min

Lab File: BF107234.D

Acq: 9 Jul 2018 17:41

Tgt Ion:	252	Resp:	21971
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.9	26.9
125	15.2	10.2	15.2





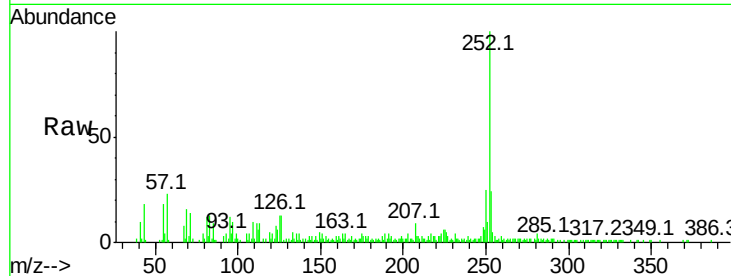
#89
Benzo(a)pyrene
Concen: 11.453 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF107234.D
Acq: 9 Jul 2018 17:41

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	12.6	9.8	14.6

Manual Integrations
APPROVED

Sohil
7/10/2018 2:46:34 PM

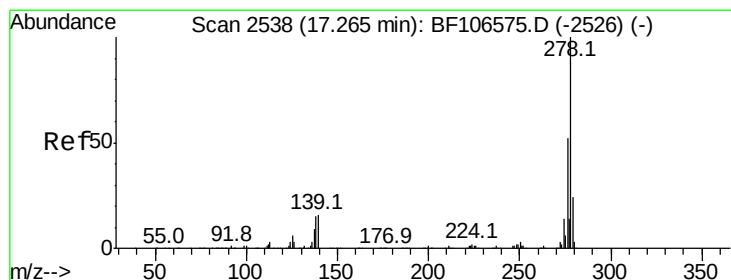
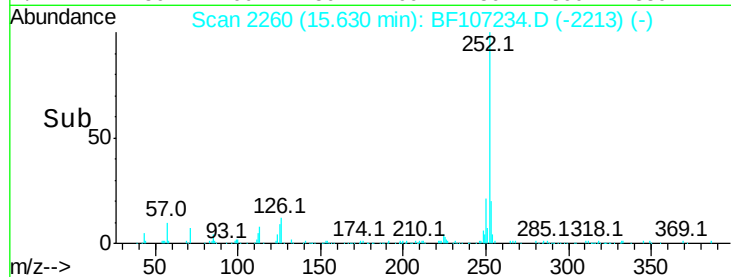
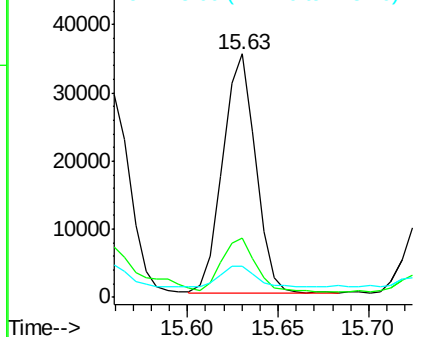


Abundance

Ion 252.00 (251.70 to 252.70): E

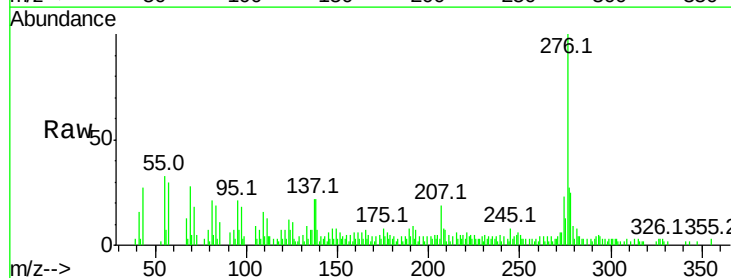
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Dibenzo(a,h)anthracene
Concen: 2.690 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.03 min
Lab File: BF107234.D
Acq: 9 Jul 2018 17:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.6	15.9	23.9#
279	37.0	19.0	28.4#

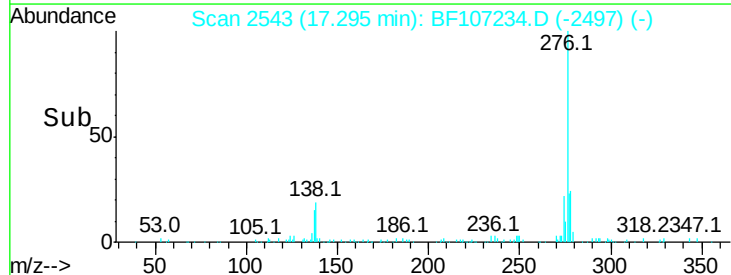
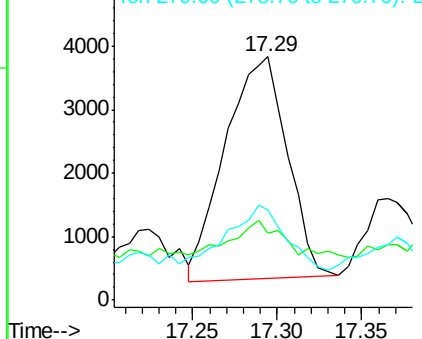


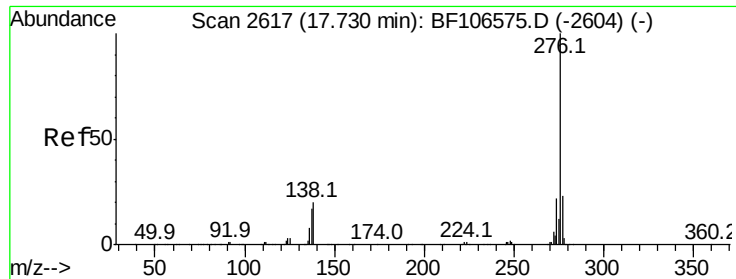
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 9.249 ng
 RT: 17.78 min Scan# 2626
 Delta R.T. -0.01 min
 Lab File: BF107234.D
 Acq: 9 Jul 2018 17:41

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-15RE

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.9	26.9#
138	20.1	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 7/10/2018 2:46:34 PM

