

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
 Data File : BF107216.D
 Acq On : 7 Jul 2018 19:32
 Operator : JU/SJ
 Sample : J3880-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-15

Manual Integrations
 APPROVED

Sohil
 7/9/2018 2:06:52 PM

Quant Time: Jul 09 05:03:31 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	47805	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	160051	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	72188	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	149930	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	116299	20.00	ng	-0.02
86) Perylene-d12	15.68	264	85154	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	307160	108.80	ng	0.00
7) Phenol-d6	6.60	99	364062	103.26	ng	-0.01
23) Nitrobenzene-d5	7.51	82	207168	71.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	97708	116.78	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	376392	88.94	ng	-0.02
78) Terphenyl-d14	13.07	244	475932	99.13	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.70	163	88400	16.327	ng	Qvalue 98
70) Phenanthrene	11.51	178	74197	10.260	ng	98
71) Anthracene	11.57	178	29284	3.967	ng	99
74) Fluoranthene	12.71	202	167658	21.035	ng	96
77) Pyrene	12.94	202	156413	20.395	ng	98
80) Benzo(a)anthracene	14.13	228	76031	10.727	ng	99
82) Chrysene	14.17	228	72370	11.098	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	36557	6.606	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	80193m	15.160	ng	
88) Benzo(k)fluoranthene	15.25	252	28858m	5.729	ng	
89) Benzo(a)pyrene	15.62	252	55046	11.706	ng	96
90) Dibenzo(a,h)anthracene	17.28	278	11062	2.776	ng	# 81
91) Benzo(a,h,i)perylene	17.77	276	35443	9.099	ng	# 90

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

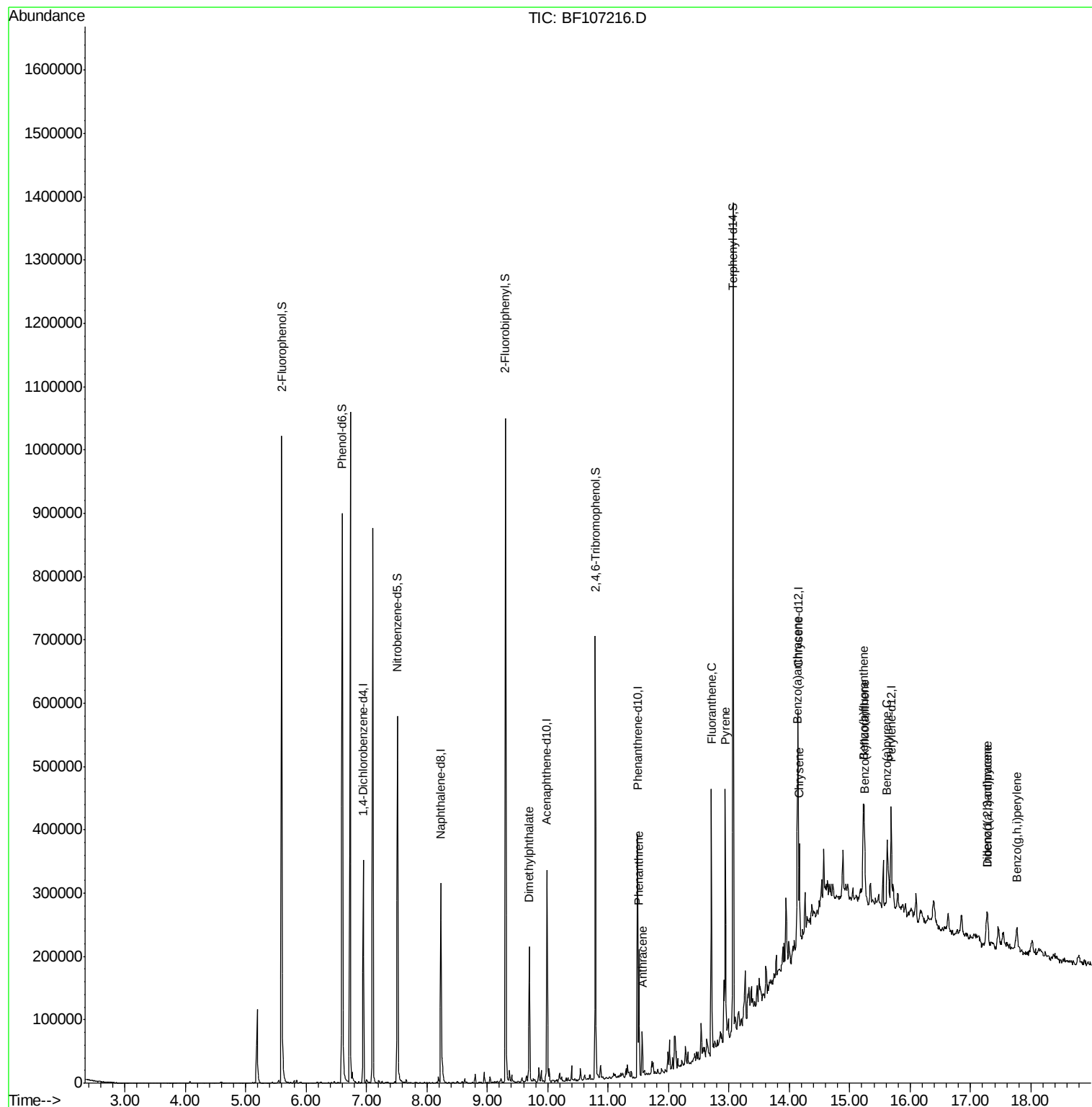
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107216.D
Acq On : 7 Jul 2018 19:32
Operator : JU/SJ
Sample : J3880-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15

Manual Integrations
APPROVED

Sohil
7/9/2018 2:06:52 PM

Quant Time: Jul 09 05:03:31 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

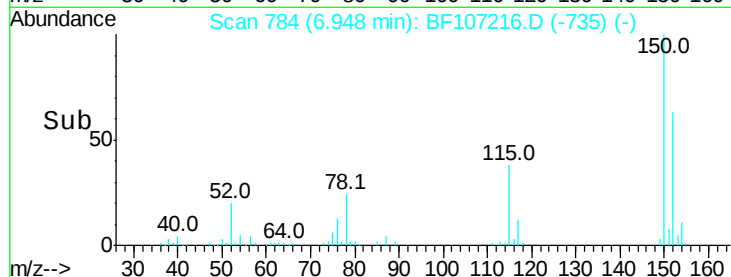
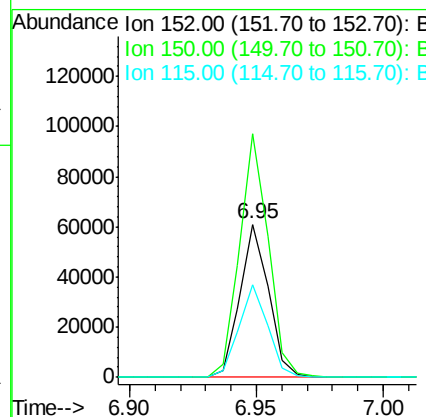
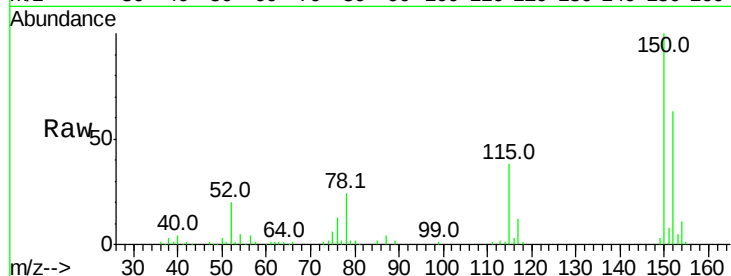
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	60.7	50.1	75.1

Manual Integrations
APPROVED

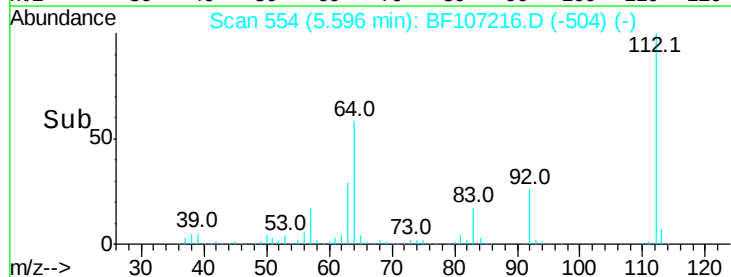
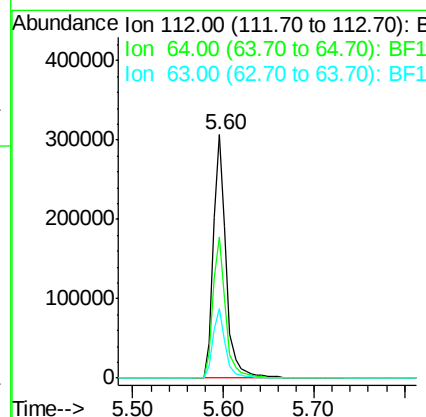
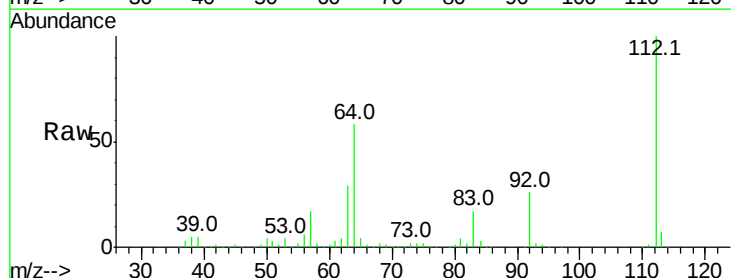
Sohil
7/9/2018 2:06:52 PM



#5

2-Fluorophenol
Concen: 108.800 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.9	71.9
63	28.6	23.7	35.5





#7

Phenol-d6

Concen: 103.263 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107216.D

Acq: 7 Jul 2018 19:32

Instrument :

BNA_F

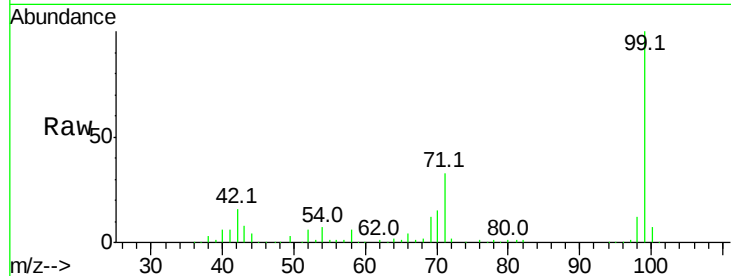
ClientSampleId :

SURCHARGE-SP-15

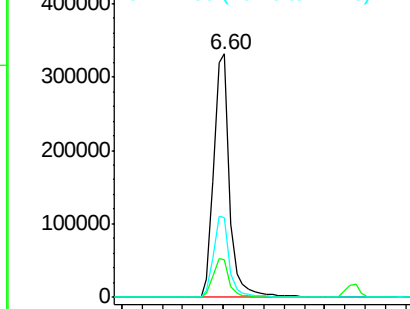
Tot Ion:	99	Resp:	364062
Ion Ratio	Lower	Upper	
99	100		
42	15.6	14.5	21.7
71	32.9	25.4	38.0

Manual Integrations
APPROVED

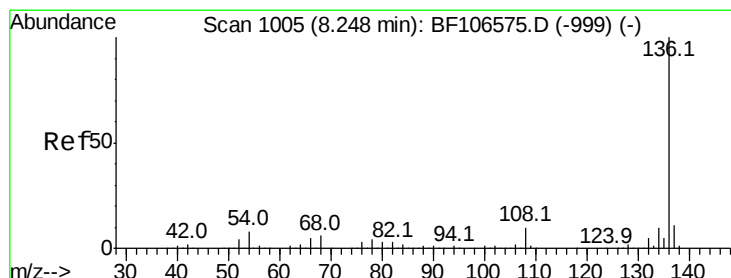
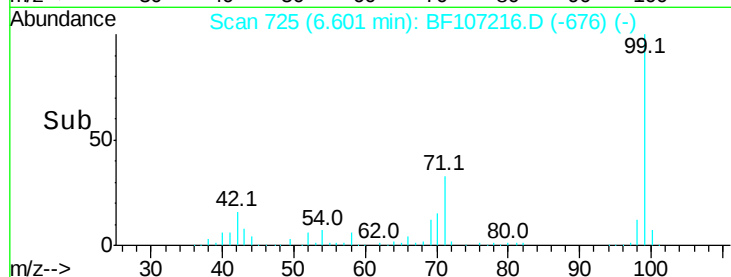
Sohil
7/9/2018 2:06:52 PM



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



Time--> 6.50 6.60 6.70



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1002

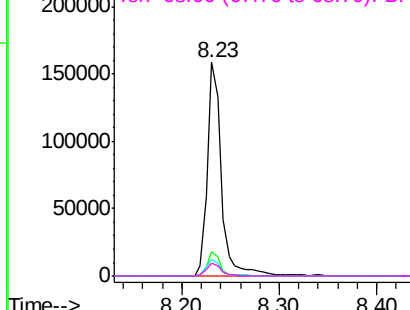
Delta R.T. -0.02 min

Lab File: BF107216.D

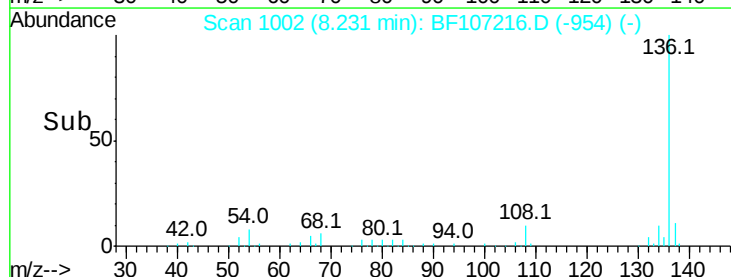
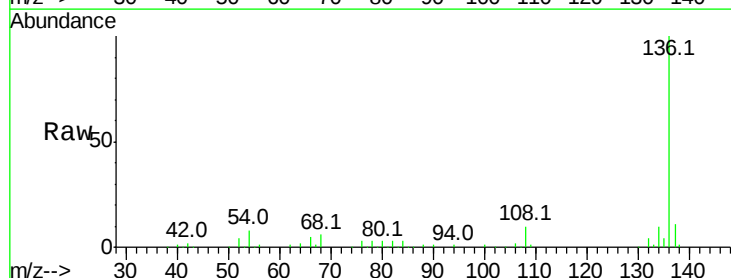
Acq: 7 Jul 2018 19:32

Tgt Ion:	136	Resp:	160051
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.0	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



Time--> 8.20 8.30 8.40





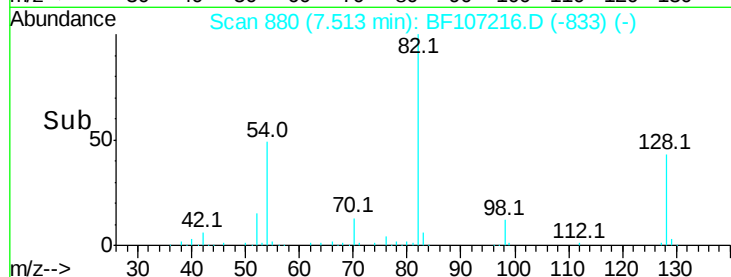
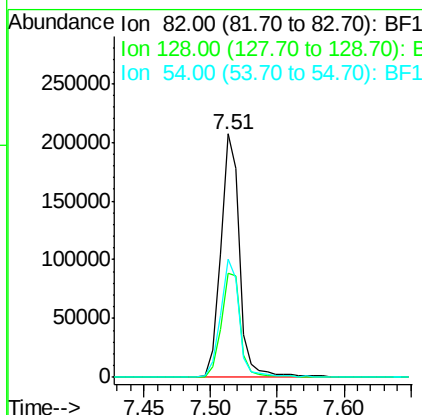
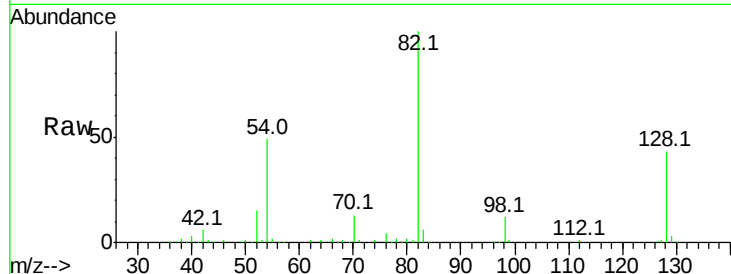
#23
 Nitrobenzene-d5
 Concen: 71.934 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107216.D
 Acq: 7 Jul 2018 19:32

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-15

Tot Ion:	82	Resp:	207168
Ion Ratio	Lower	Upper	
82	100		
128	42.6	36.1	54.1
54	48.6	41.4	62.2

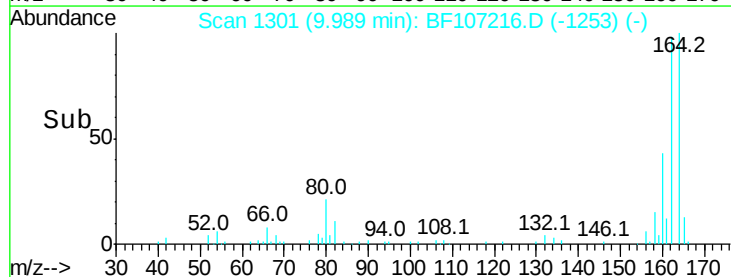
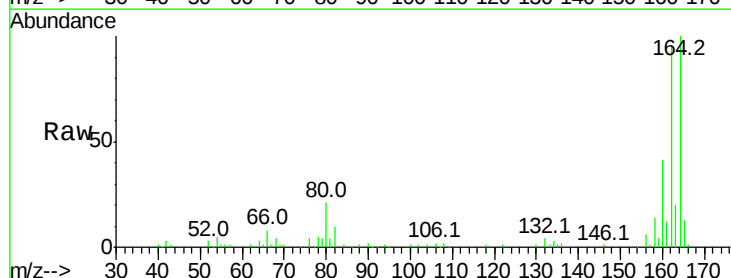
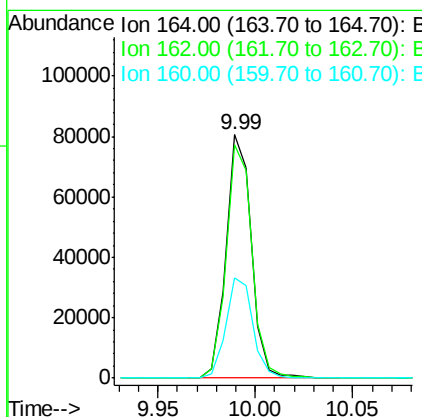
Manual Integrations
 APPROVED

Sohil
 7/9/2018 2:06:52 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107216.D
 Acq: 7 Jul 2018 19:32

Tgt Ion:	164	Resp:	72188
Ion Ratio	Lower	Upper	
164	100		
162	95.6	86.1	129.1
160	41.3	38.3	57.5





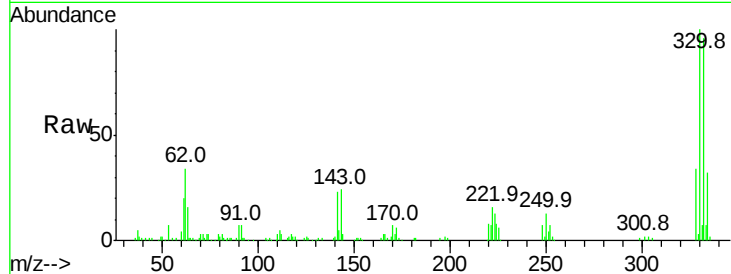
#41
 2,4,6-Tribromophenol
 Concen: 116.781 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107216.D
 Acq: 7 Jul 2018 19:32

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-15

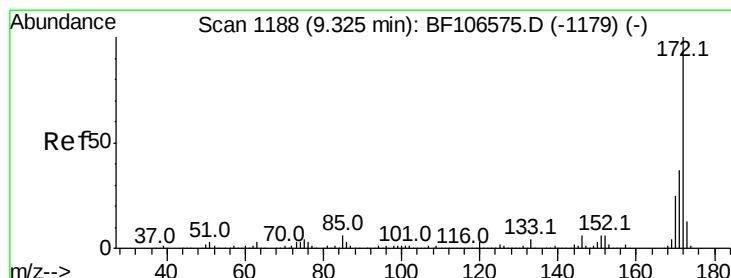
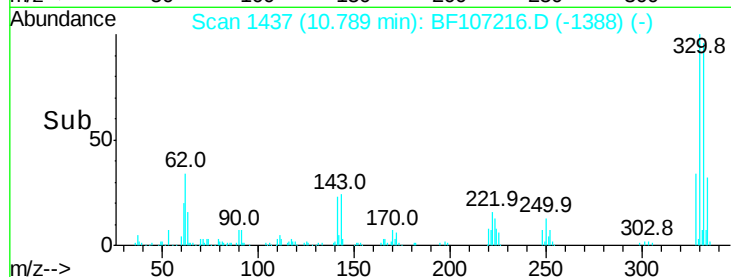
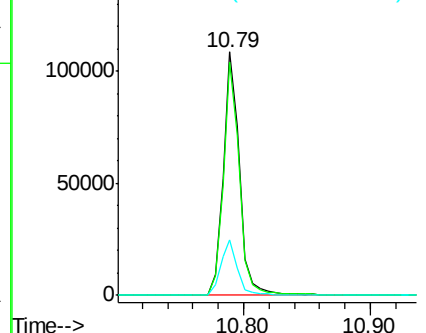
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	23.9	29.9	44.9#

Manual Integrations
 APPROVED

Sohil
 7/9/2018 2:06:52 PM



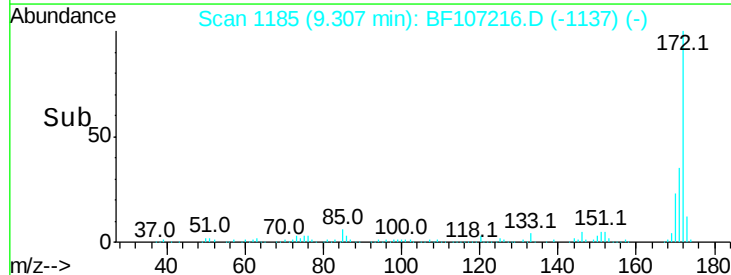
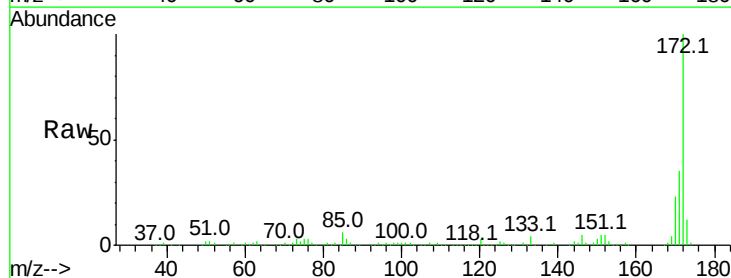
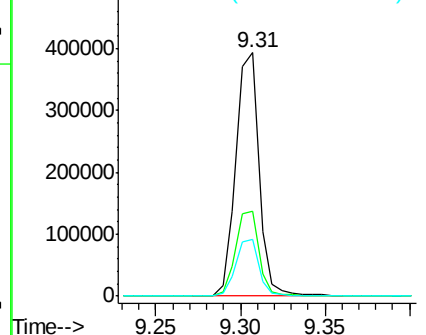
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 88.938 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107216.D
 Acq: 7 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.5	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





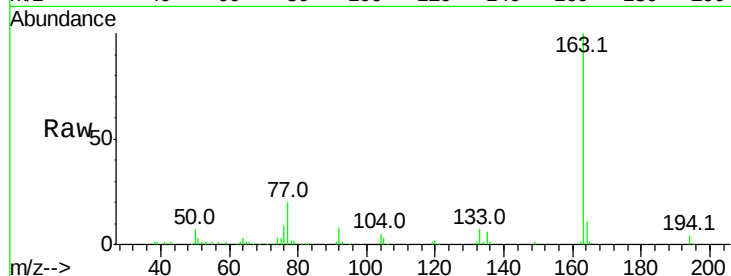
#49
Dimethylphthalate
Concen: 16.327 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15

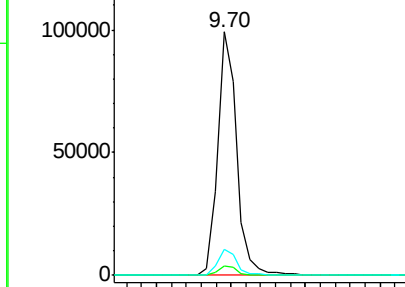
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.9	8.2	12.2

Manual Integrations
APPROVED

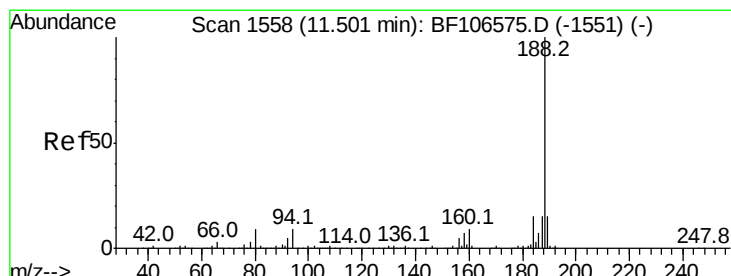
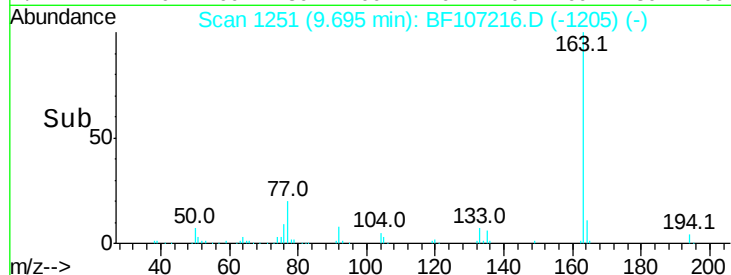
Sohil
7/9/2018 2:06:52 PM



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



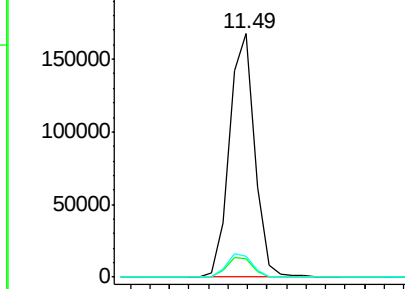
Time-->



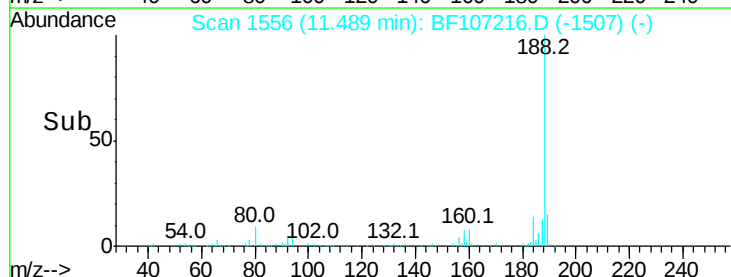
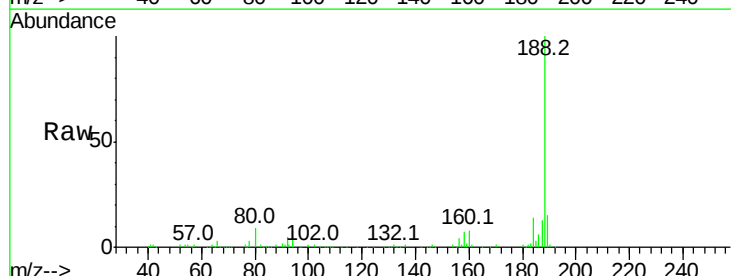
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

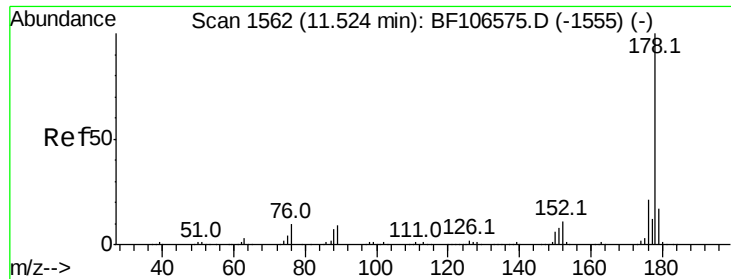
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.5	9.2	13.8#

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



Time-->





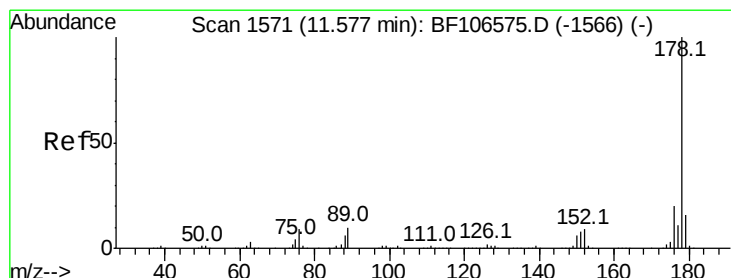
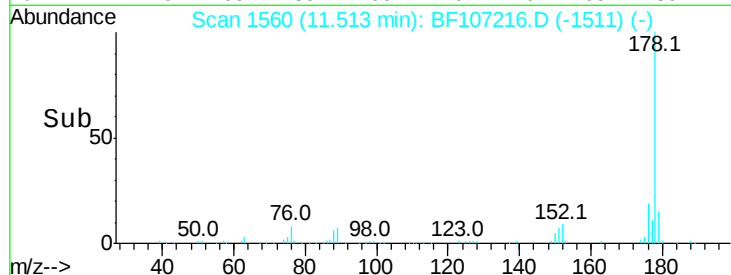
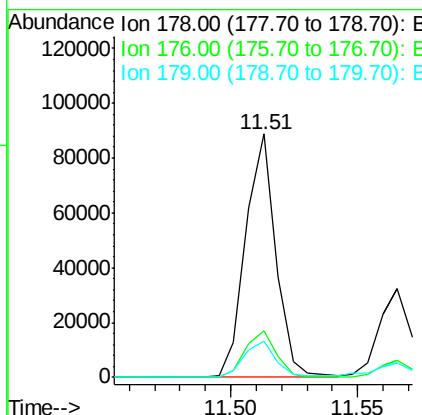
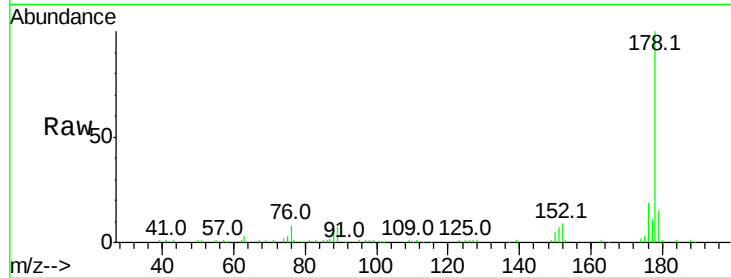
#70
Phenanthrene
Concen: 10.260 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15

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

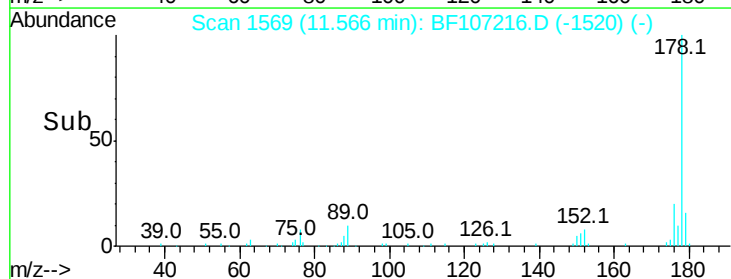
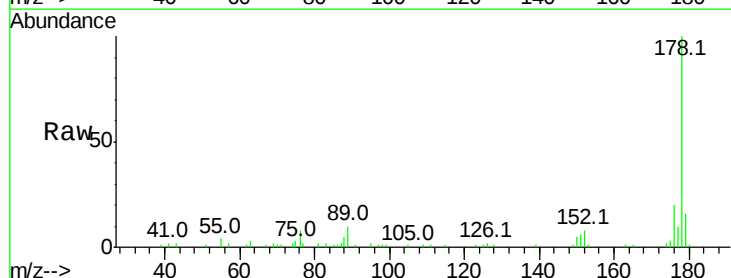
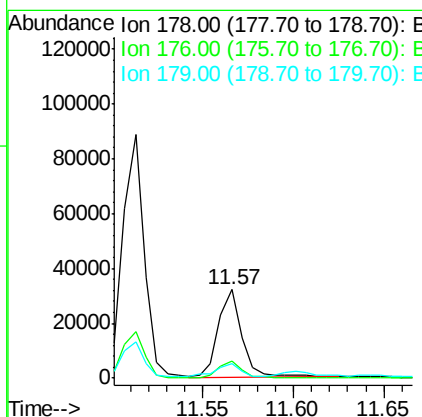
Manual Integrations
APPROVED

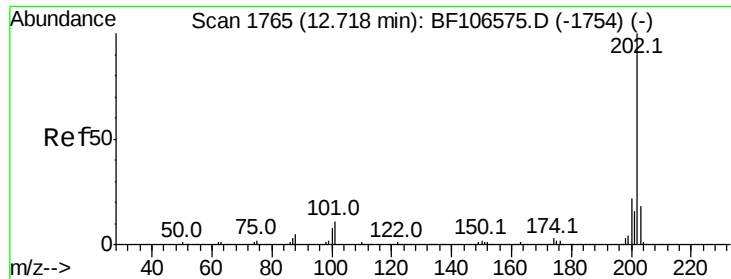
Sohil
7/9/2018 2:06:52 PM



#71
Anthracene
Concen: 3.967 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	16.3	12.6	19.0





#74

Fluoranthene

Concen: 21.035 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107216.D

Acq: 7 Jul 2018 19:32

Instrument :

BNA_F

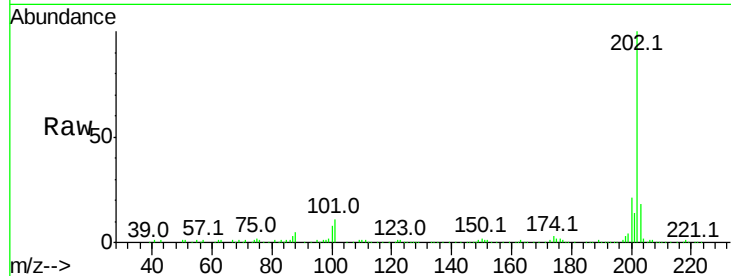
ClientSampleId :

SURCHARGE-SP-15

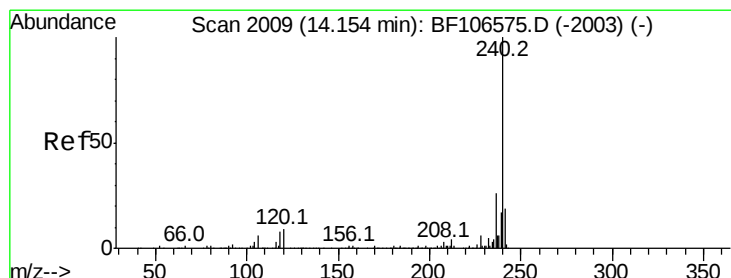
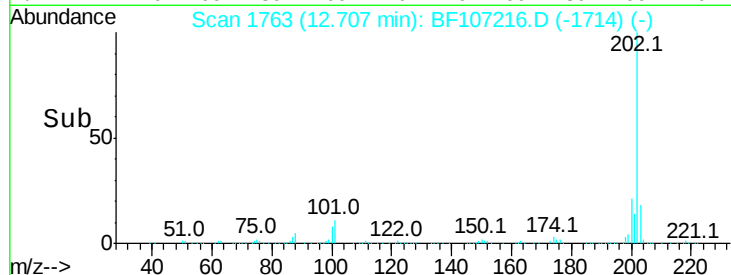
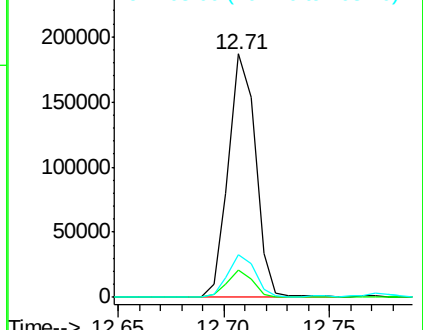
Tot Ion	Ratio	Resp	Lower	Upper
202	100	167658		
101	11.3	0.0	34.1	
203	17.7	0.0	38.1	

Manual Integrations
APPROVED

Sohil
7/9/2018 2:06:52 PM



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

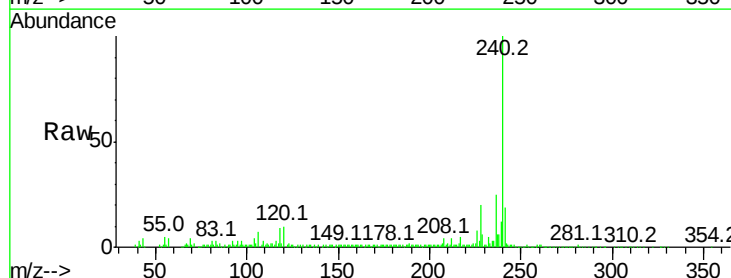
RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

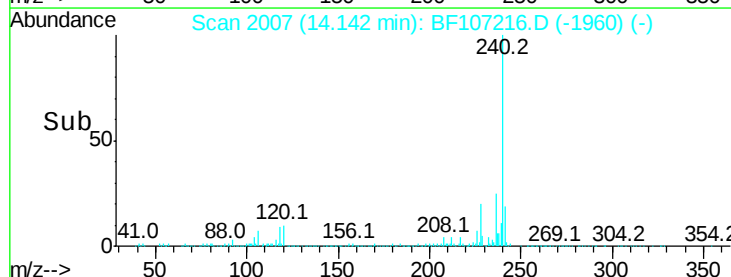
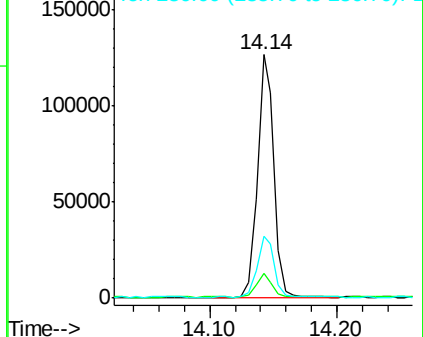
Lab File: BF107216.D

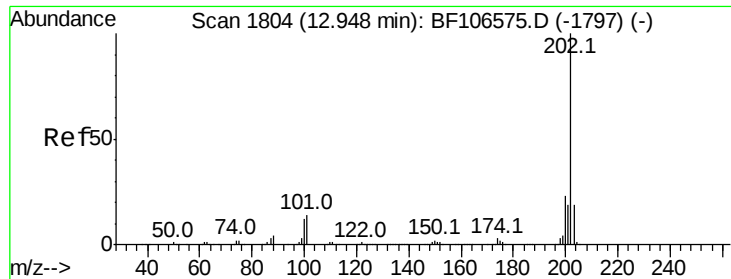
Acq: 7 Jul 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	116299		
120	9.9	9.5	14.3	
236	25.3	20.7	31.1	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





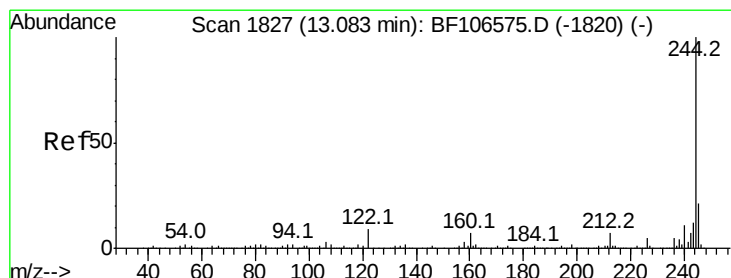
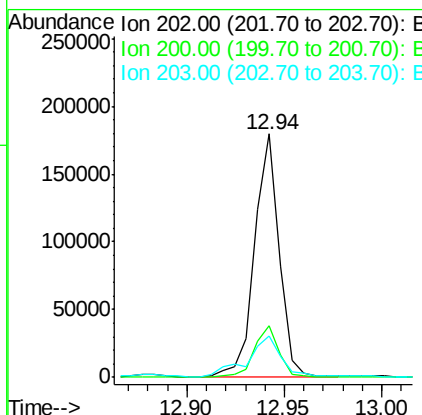
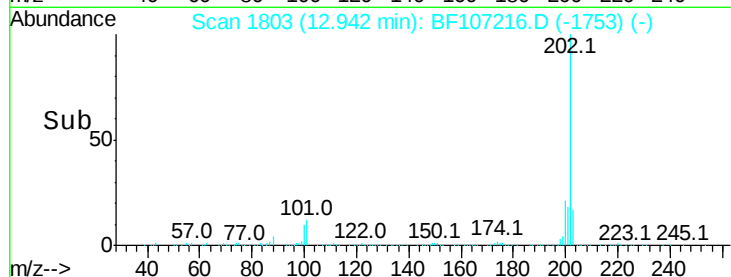
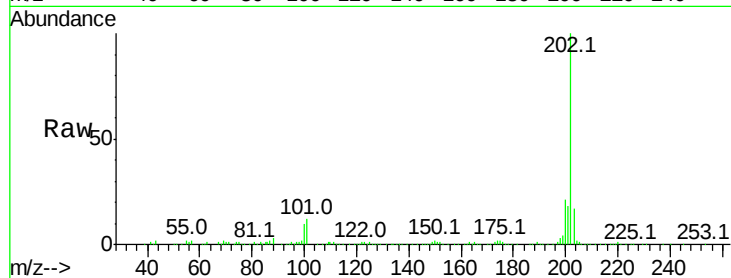
#77
Pvrene
Concen: 20.395 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.0	14.3	21.5

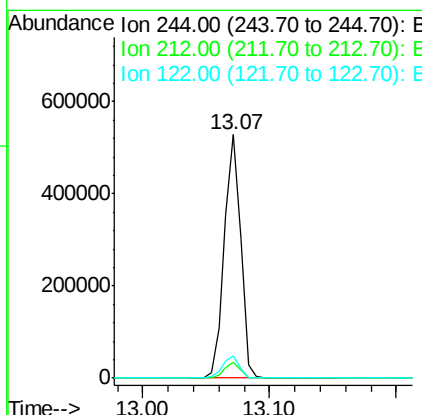
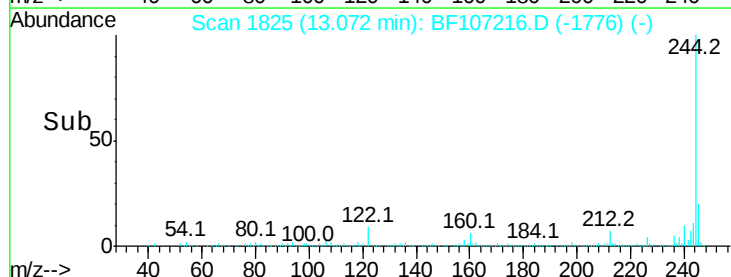
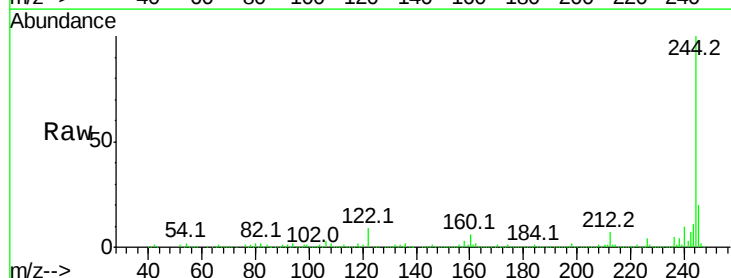
Manual Integrations
APPROVED

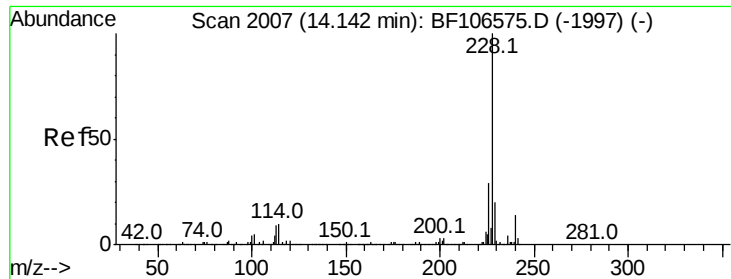
Sohil
7/9/2018 2:06:52 PM



#78
Terphenyl-d14
Concen: 99.128 ng
RT: 13.07 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.0	11.0	16.4#





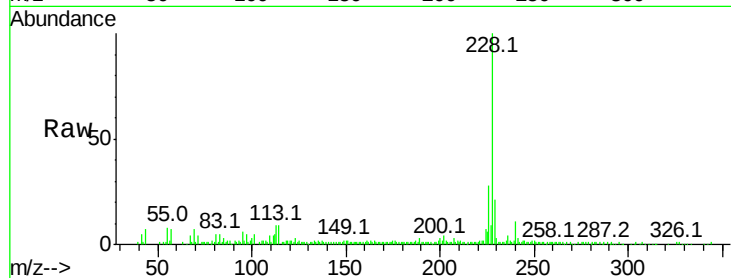
#80
Benzo(a)anthracene
Concen: 10.727 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15

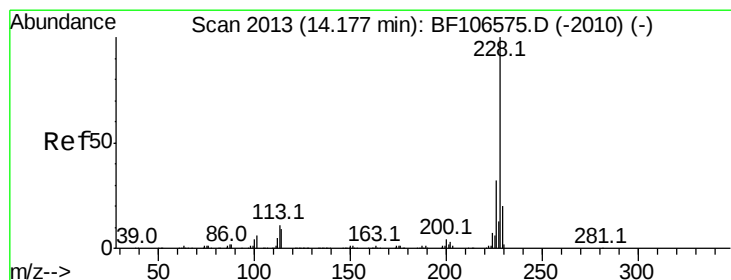
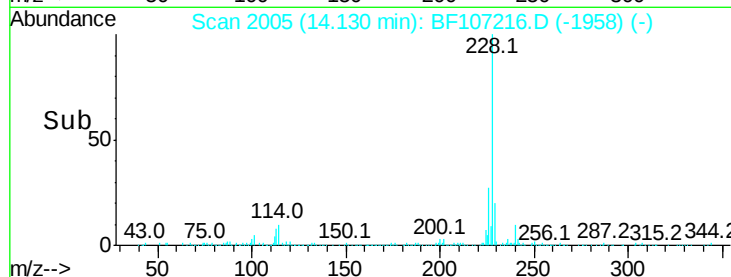
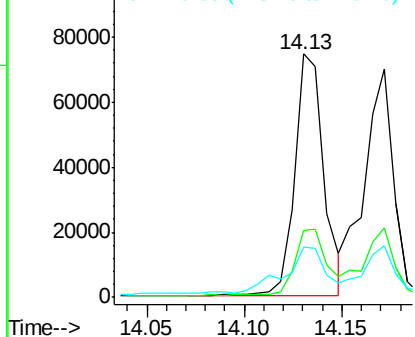
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	20.6	15.8	23.6

Manual Integrations
APPROVED

Sohil
7/9/2018 2:06:52 PM



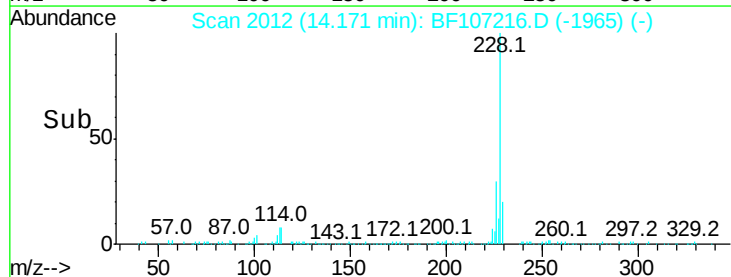
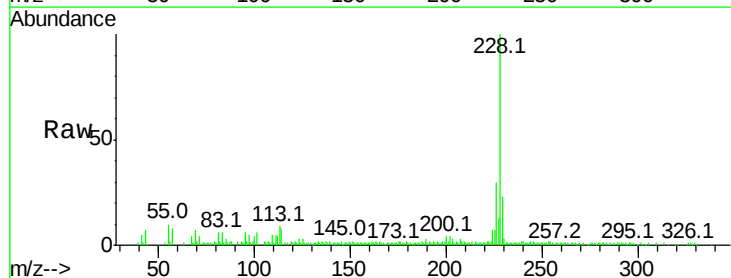
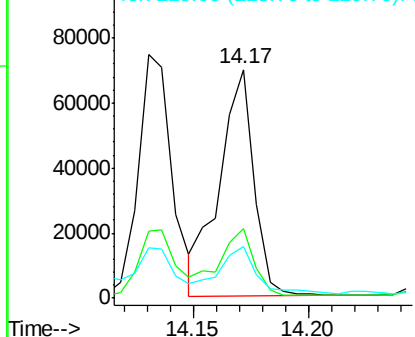
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

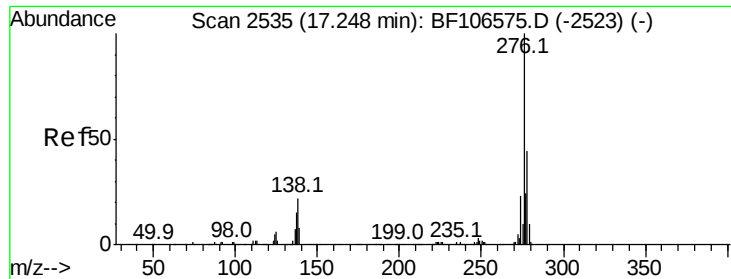


#82
Chrysene
Concen: 11.098 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.5	16.2	24.4

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





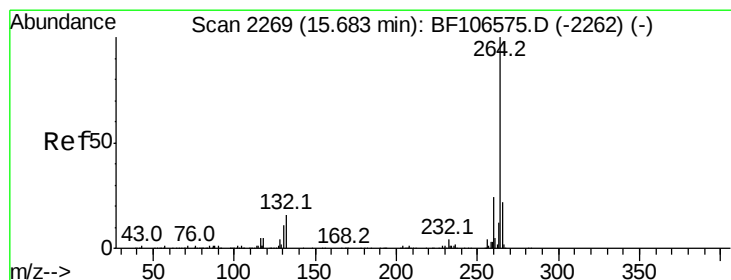
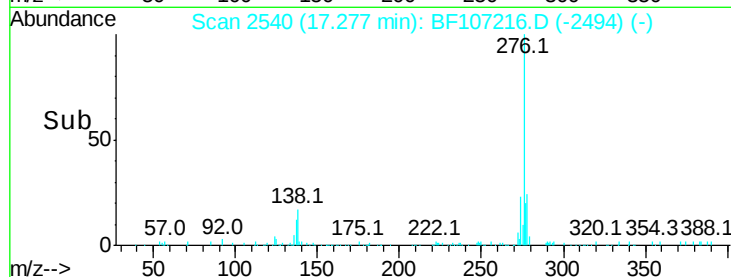
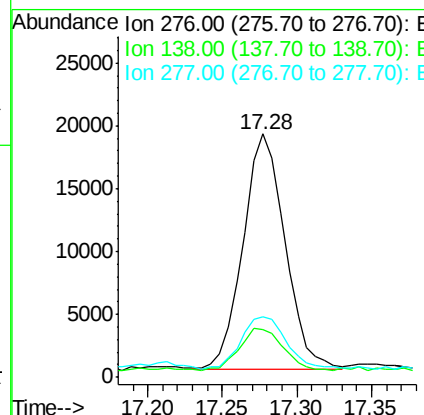
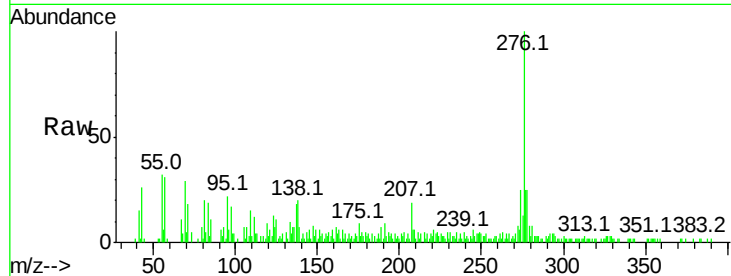
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.606 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.03 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.8	25.0	37.6#
277	24.7	20.1	30.1

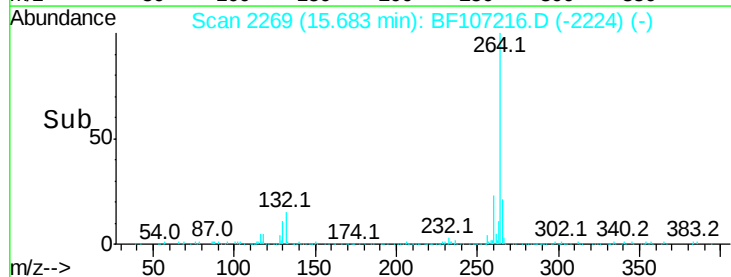
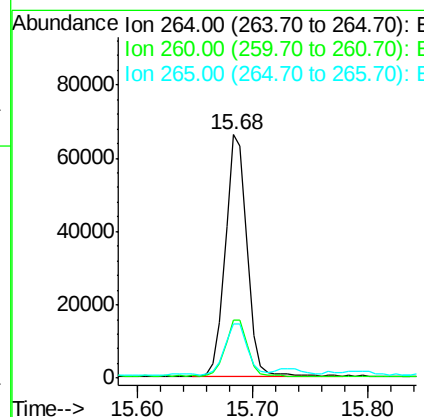
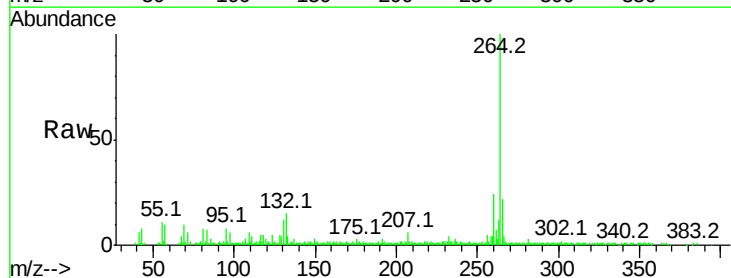
Manual Integrations
APPROVED

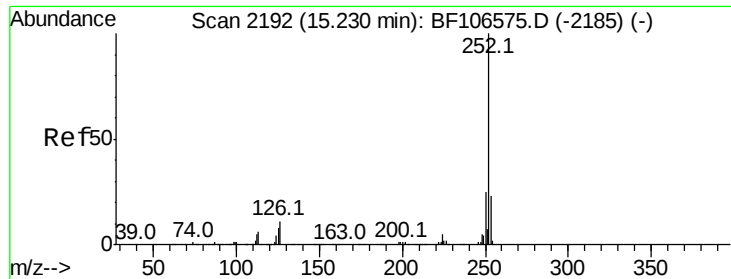
Sohil
7/9/2018 2:06:52 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.04 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 15.160 ng m

RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF107216.D

Acq: 7 Jul 2018 19:32

Instrument :

BNA_F

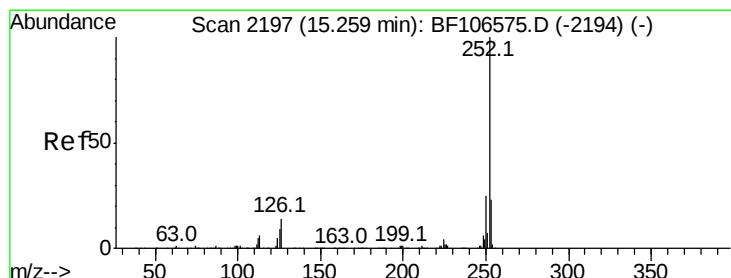
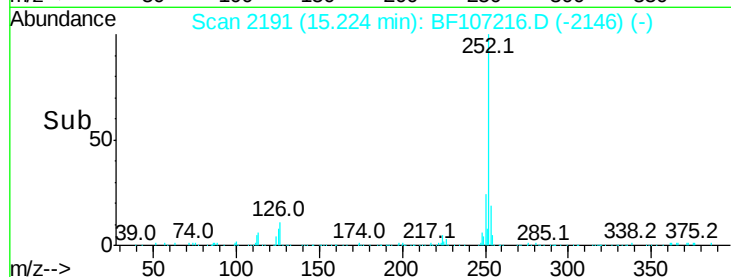
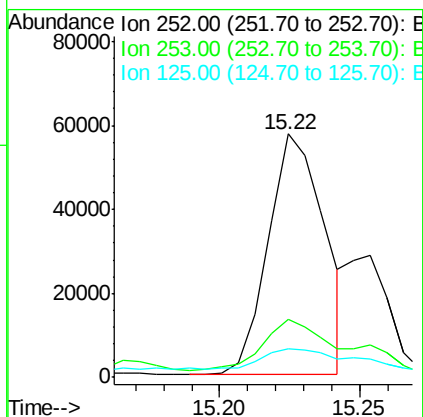
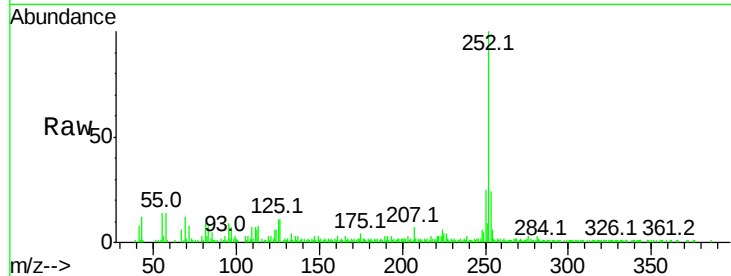
ClientSampleId :

SURCHARGE-SP-15

Tot Ion:	252	Resp:	80193
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.0	25.6
125	11.5	9.0	13.6

Manual Integrations
APPROVED

Sohil
7/9/2018 2:06:52 PM



#88

Benzo(k)fluoranthene

Concen: 5.729 ng m

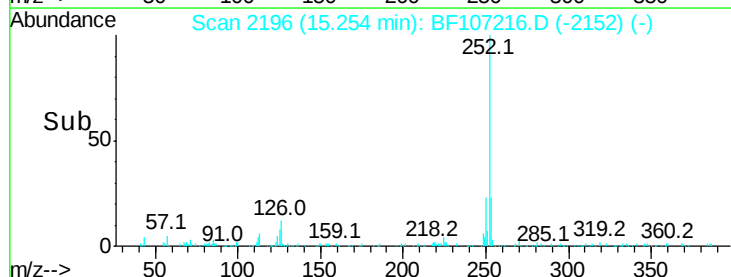
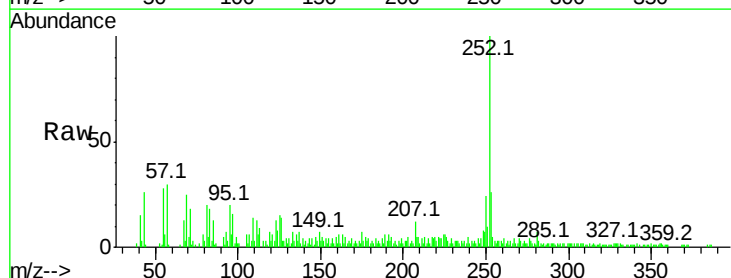
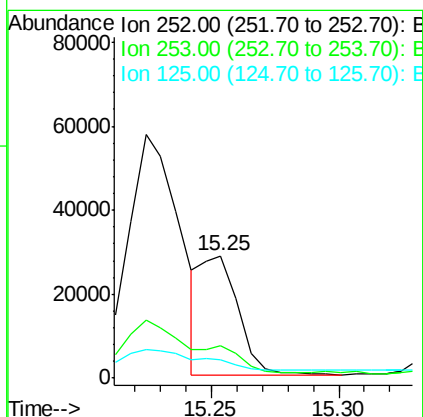
RT: 15.25 min Scan# 2196

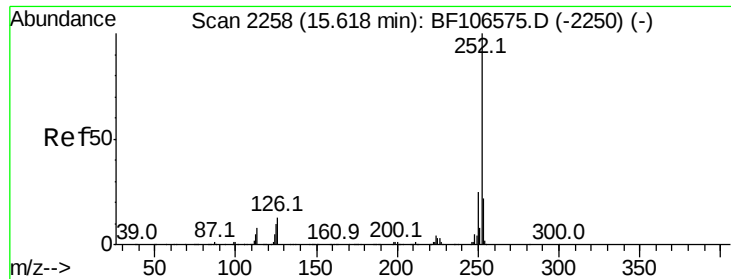
Delta R.T. -0.04 min

Lab File: BF107216.D

Acq: 7 Jul 2018 19:32

Tgt Ion:	252	Resp:	28858
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.9	26.9
125	15.3	10.2	15.2#





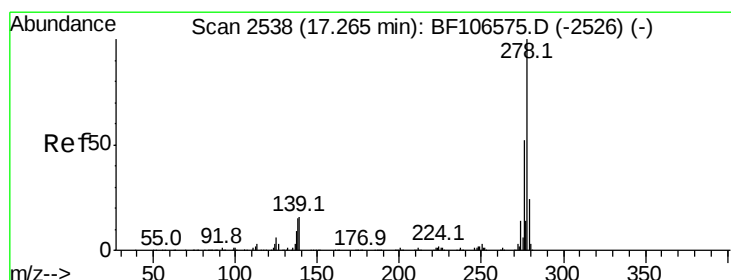
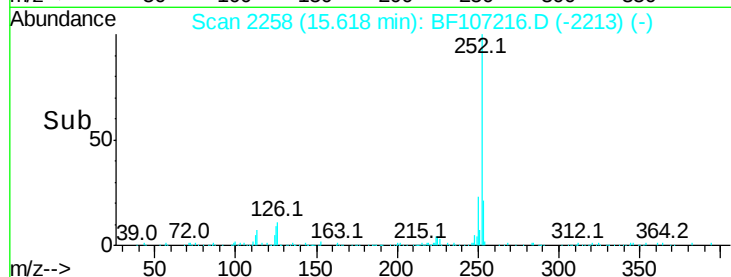
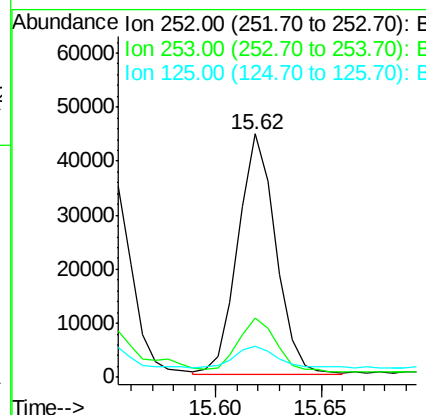
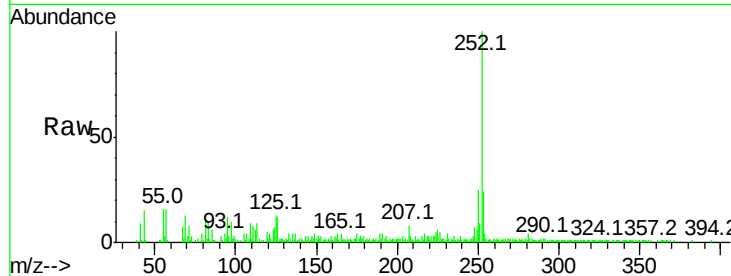
#89
Benzo(a)pyrene
Concen: 11.706 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-15

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	12.5	9.8	14.6

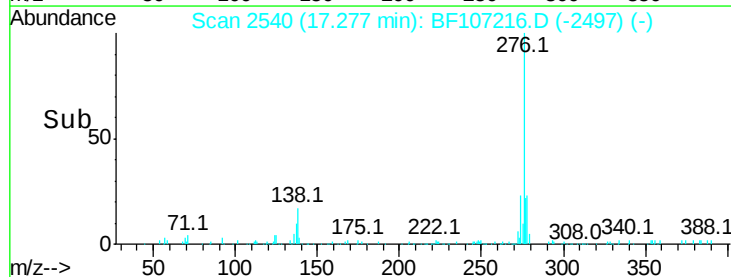
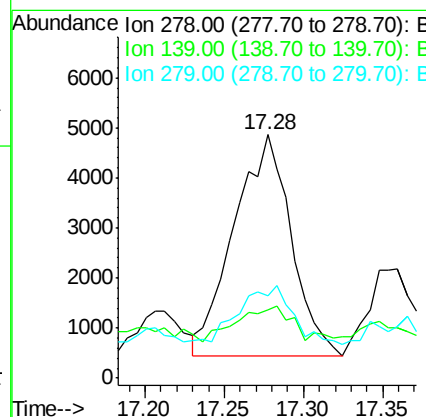
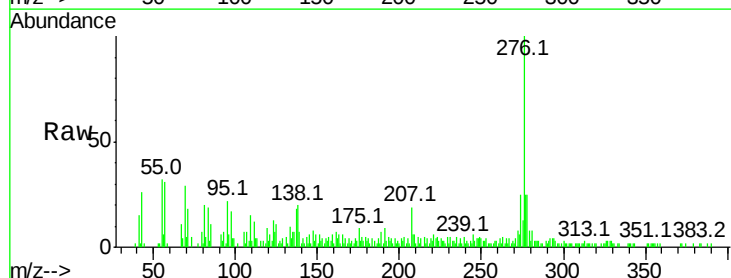
Manual Integrations
APPROVED

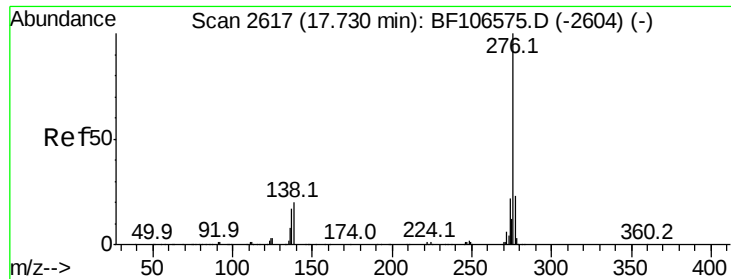
Sohil
7/9/2018 2:06:52 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.776 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.05 min
Lab File: BF107216.D
Acq: 7 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.8	15.9	23.9#
279	33.7	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 9.099 ng
 RT: 17.77 min Scan# 2624
 Delta R.T. -0.02 min
 Lab File: BF107216.D
 Acq: 7 Jul 2018 19:32

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-15

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	17.9	26.9#
138	23.0	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 7/9/2018 2:06:52 PM

