

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107235.D
 Acq On : 9 Jul 2018 18:08
 Operator : JU/SJ
 Sample : J3880-11RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-16RE

Manual Integrations
 APPROVED

Sohil
 7/10/2018 2:46:37 PM

Quant Time: Jul 10 04:16:12 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	32850	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	113440	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	48908	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	99491	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	90519	20.00	ng	-0.02
86) Perylene-d12	15.69	264	57358	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	188826	97.33	ng	0.00
7) Phenol-d6	6.60	99	228095	94.15	ng	-0.02
23) Nitrobenzene-d5	7.51	82	129748	63.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	54784	96.65	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	230102	78.51	ng	-0.02
78) Terphenyl-d14	13.07	244	303789	81.29	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.70	163	56721	15.463	ng	98
70) Phenanthrene	11.51	178	31234	6.509	ng	99
71) Anthracene	11.57	178	13035	2.661	ng	99
74) Fluoranthene	12.71	202	87335	16.512	ng	93
77) Pyrene	12.94	202	87153	14.601	ng	98
80) Benzo(a)anthracene	14.14	228	43174m	7.826	ng	
82) Chrysene	14.17	228	44514m	8.770	ng	
85) Indeno(1,2,3-cd)pyrene	17.29	276	18959	4.402	ng	98
87) Benzo(b)fluoranthene	15.23	252	41657m	11.691	ng	
88) Benzo(k)fluoranthene	15.26	252	14702m	4.333	ng	
89) Benzo(a)pyrene	15.62	252	28050	8.856	ng	# 91
90) Dibenzo(a,h)anthracene	17.28	278	5614	2.091	ng	# 68
91) Benzo(a,h,i)perylene	17.78	276	22403	8.538	ng	# 87

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

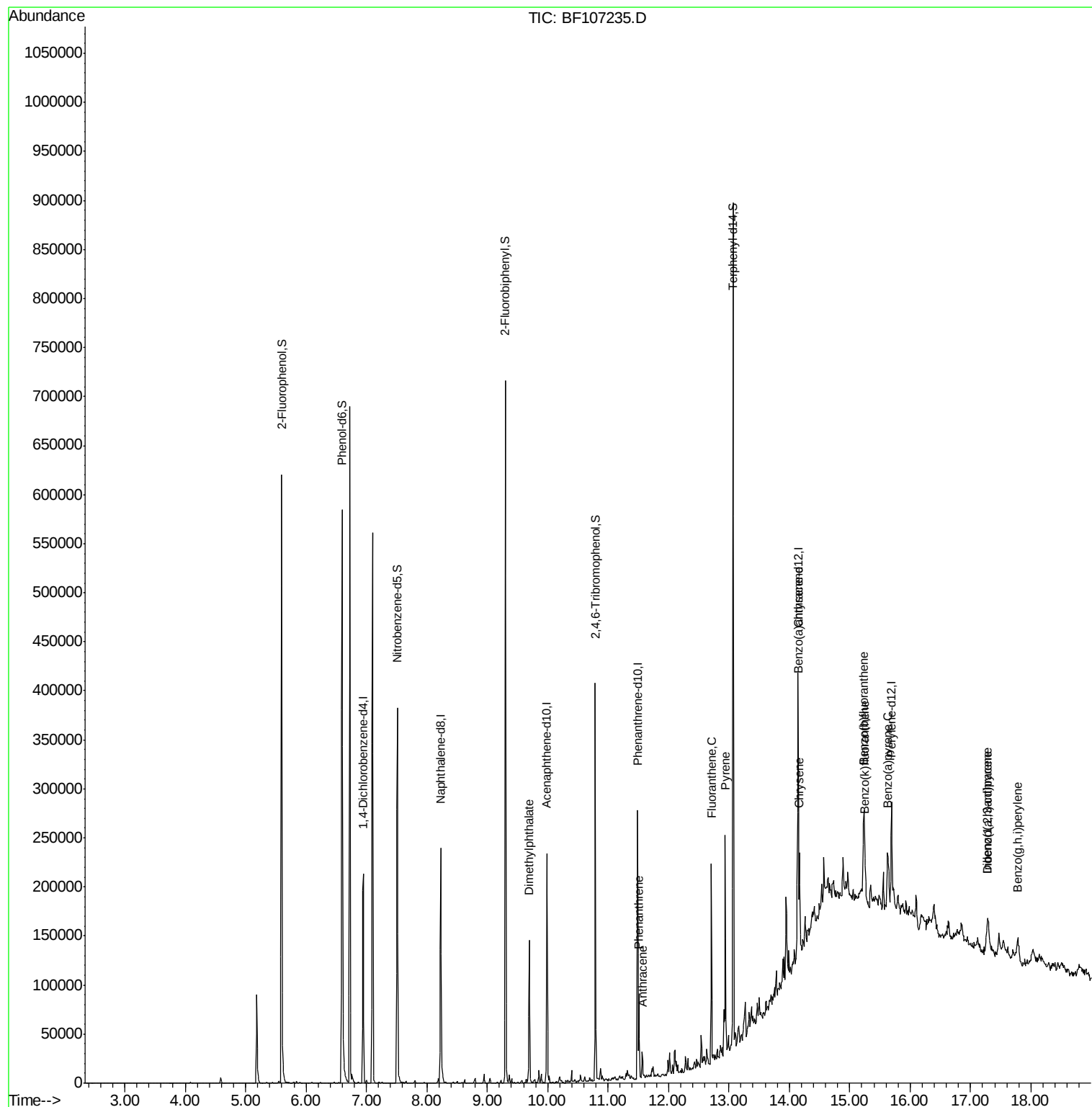
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
Data File : BF107235.D
Acq On : 9 Jul 2018 18:08
Operator : JU/SJ
Sample : J3880-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-16RE

Manual Integrations
APPROVED

Sohil
7/10/2018 2:46:37 PM

Quant Time: Jul 10 04:16:12 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

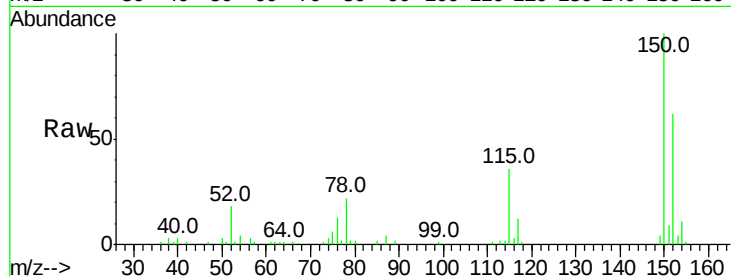
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-16RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	58.0	50.1	75.1

Manual Integrations
APPROVED

Sohil
7/10/2018 2:46:37 PM



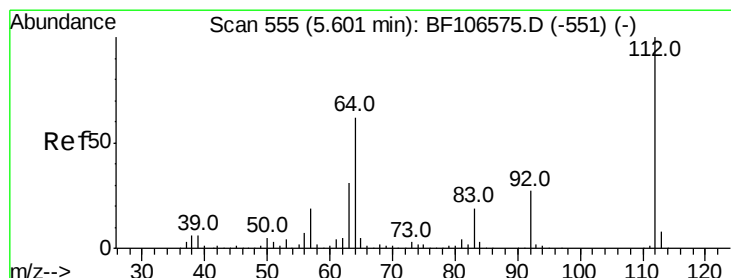
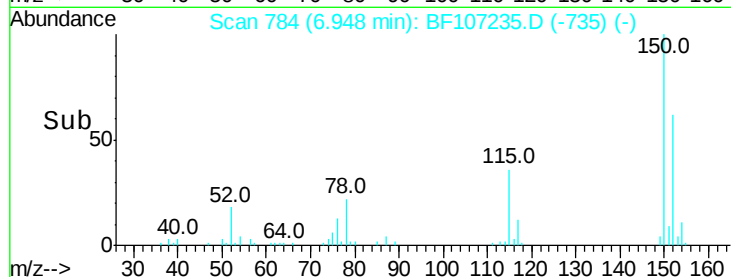
Abundance

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

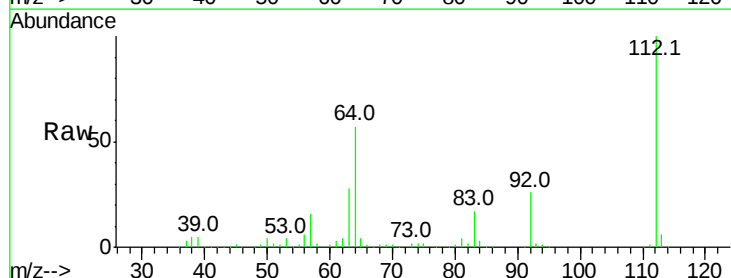
Time-->



#5

2-Fluorophenol
Concen: 97.334 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.9	71.9
63	27.6	23.7	35.5



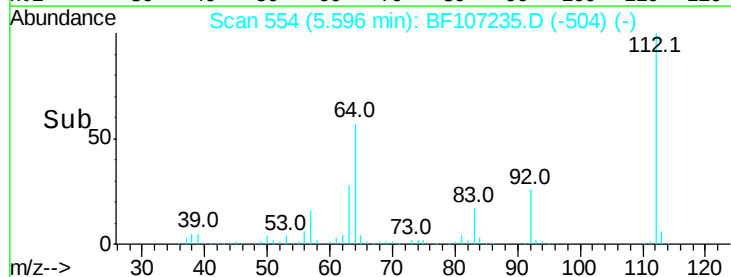
Abundance

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

Time-->





#7

Phenol-d6

Concen: 94.151 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107235.D

Acq: 9 Jul 2018 18:08

Instrument :

BNA_F

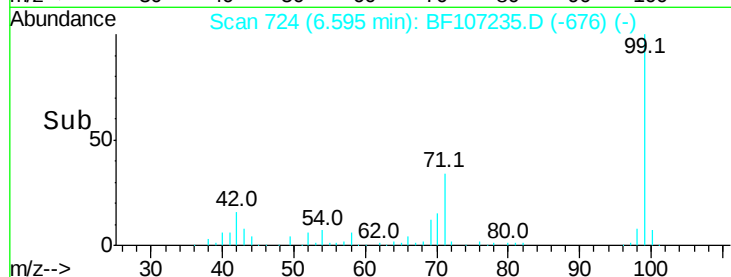
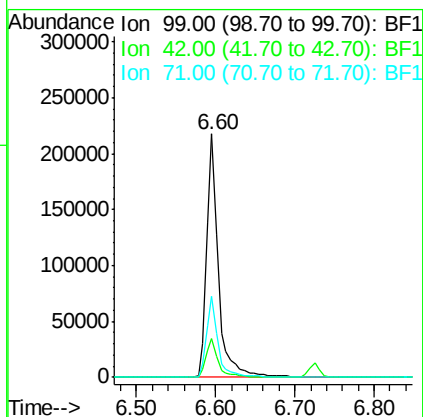
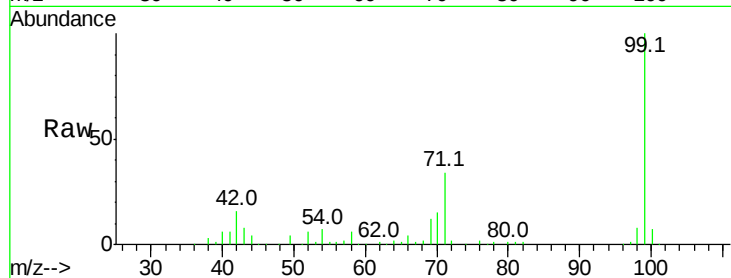
ClientSampleId :

SURCHARGE-SP-16RE

Tot Ion:	99	Resp:	228095
Ion	Ratio	Lower	Upper
99	100		
42	15.9	14.5	21.7
71	33.5	25.4	38.0

Manual Integrations
APPROVED

Sohil
7/10/2018 2:46:37 PM



#21

Naphthalene-d8

Concen: 20.000 ng

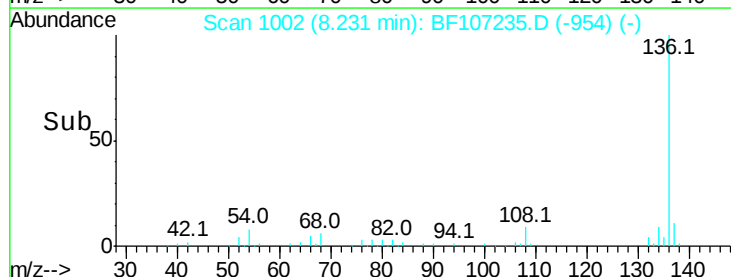
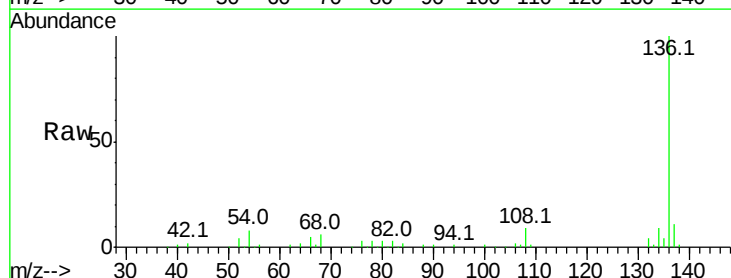
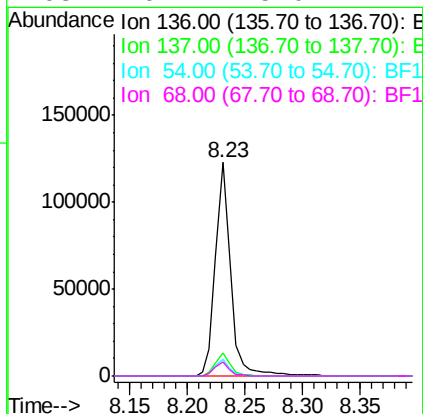
RT: 8.23 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF107235.D

Acq: 9 Jul 2018 18:08

Tgt Ion:	136	Resp:	113440
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.9	6.6	9.8
68	6.4	5.0	7.4





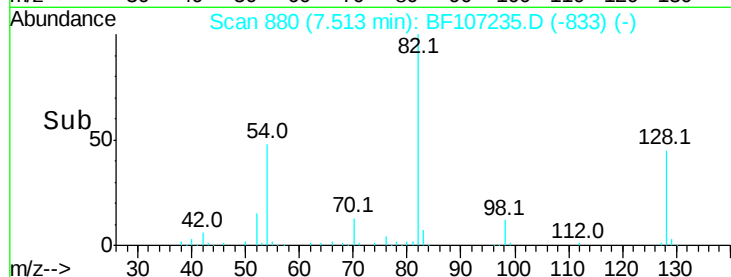
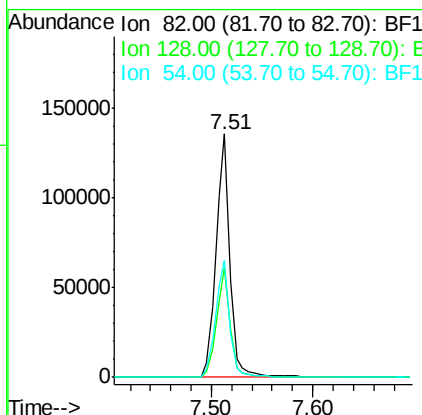
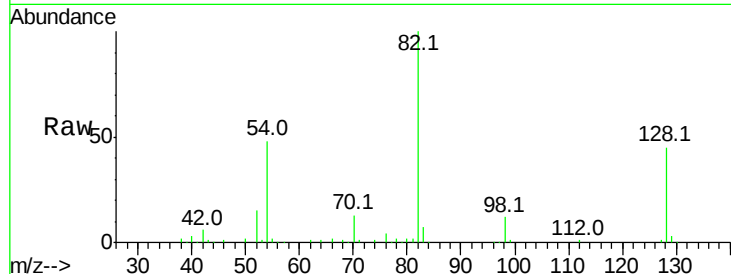
#23
 Nitrobenzene-d5
 Concen: 63.563 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107235.D
 Acq: 9 Jul 2018 18:08

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-16RE

Tot Ion	82	Resp	129748
Ion Ratio	100	Lower	Upper
128	45.0	36.1	54.1
54	48.0	41.4	62.2

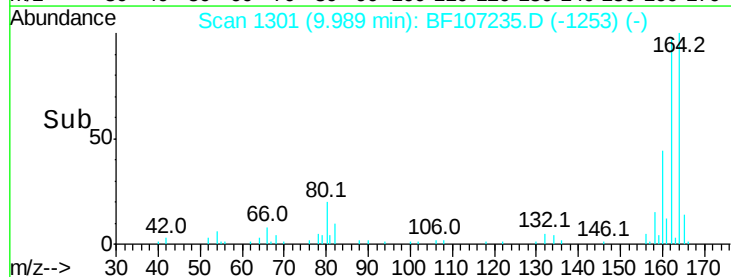
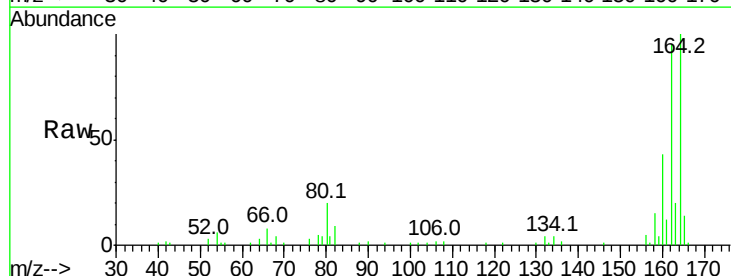
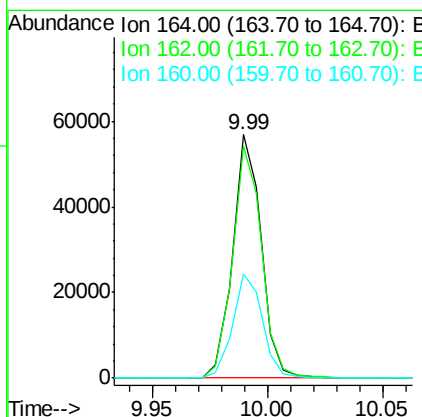
Manual Integrations
 APPROVED

Sohil
 7/10/2018 2:46:37 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107235.D
 Acq: 9 Jul 2018 18:08

Tgt Ion	164	Resp	48908
Ion Ratio	100	Lower	Upper
162	95.2	86.1	129.1
160	43.0	38.3	57.5





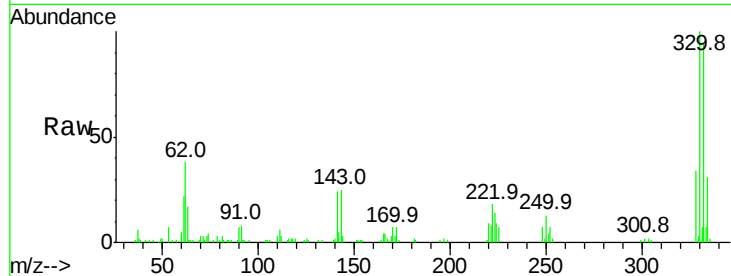
#41
 2,4,6-Tribromophenol
 Concen: 96.645 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107235.D
 Acq: 9 Jul 2018 18:08

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-16RE

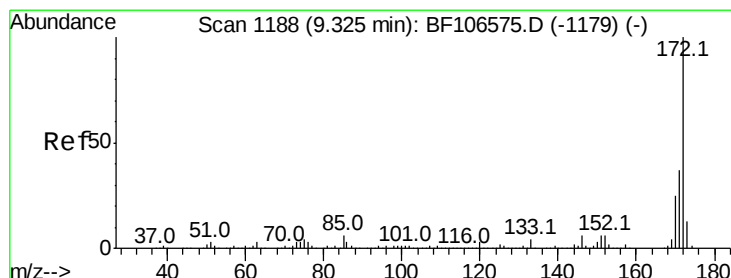
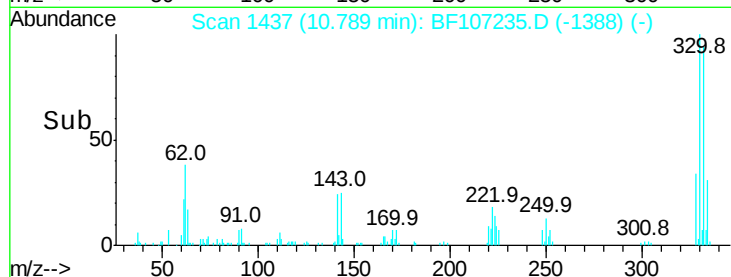
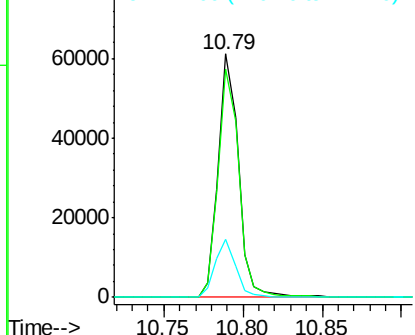
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	23.8	29.9	44.9#

Manual Integrations
 APPROVED

Sohil
 7/10/2018 2:46:37 PM



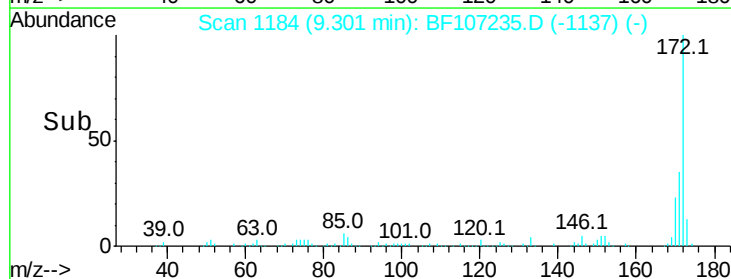
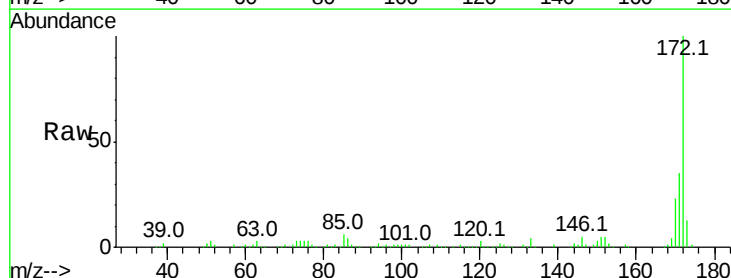
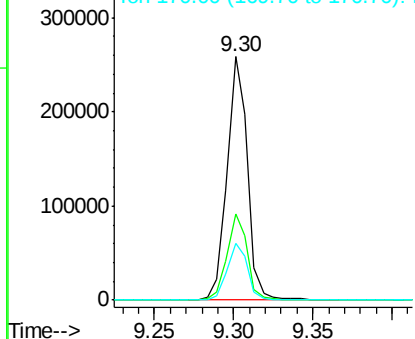
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 78.508 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107235.D
 Acq: 9 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.3	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: 15.463 ng

RT: 9.70 min Scan# 1251

Delta R.T. -0.03 min

Lab File: BF107235.D

Acq: 9 Jul 2018 18:08

Instrument :

BNA_F

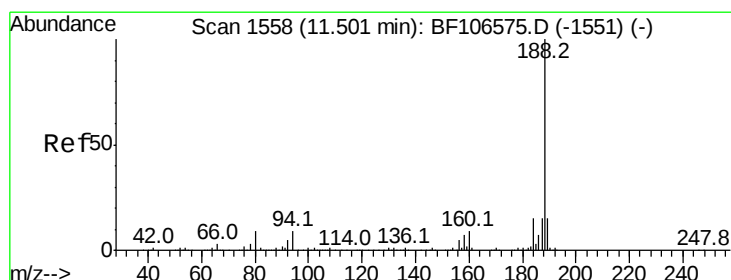
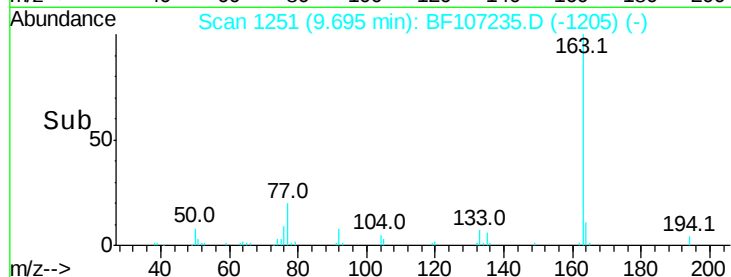
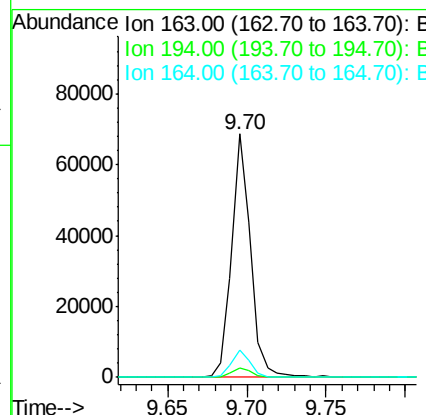
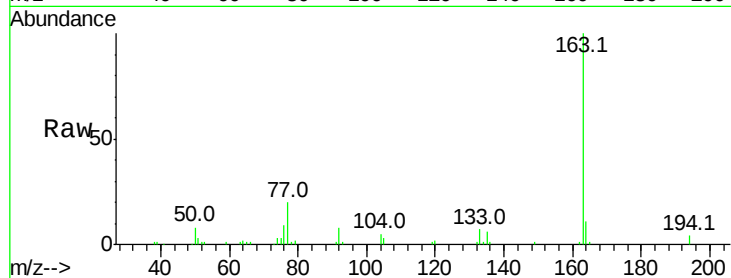
ClientSampleId :

SURCHARGE-SP-16RE

Tot Ion:	163	Resp:	56721
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	11.0	8.2	12.2

Manual Integrations
APPROVED

Sohil
7/10/2018 2:46:37 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

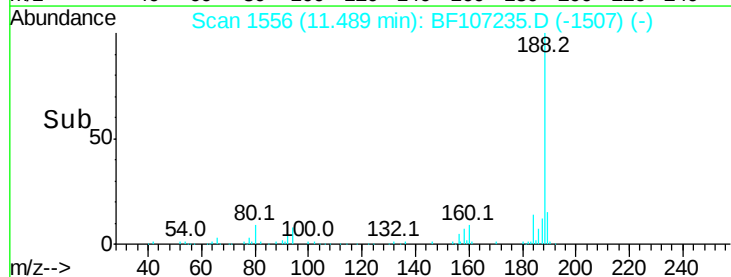
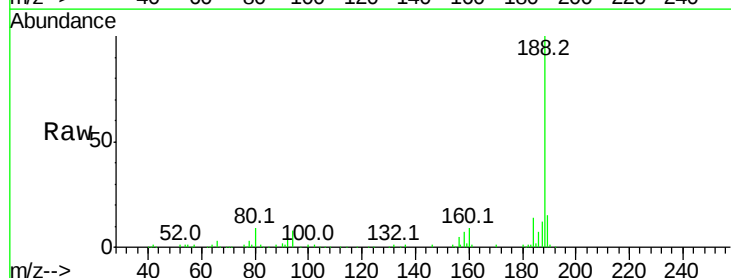
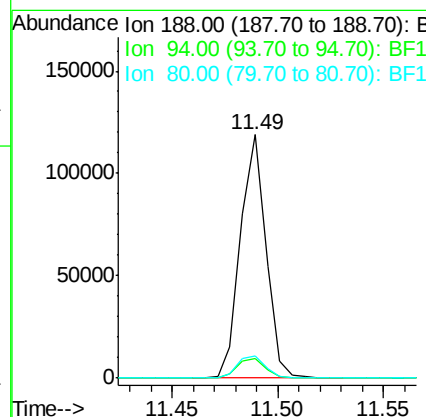
RT: 11.49 min Scan# 1556

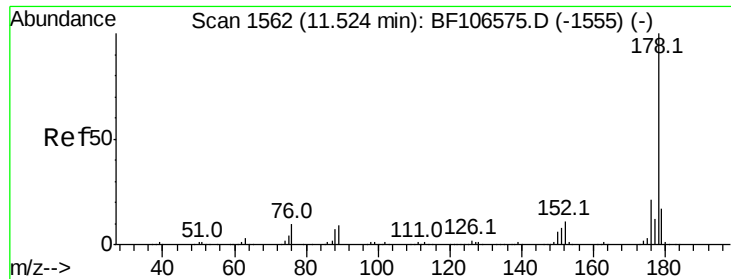
Delta R.T. -0.01 min

Lab File: BF107235.D

Acq: 9 Jul 2018 18:08

Tgt Ion:	188	Resp:	99491
Ion Ratio	Lower	Upper	
188	100		
94	8.2	8.5	12.7#
80	9.2	9.2	13.8#





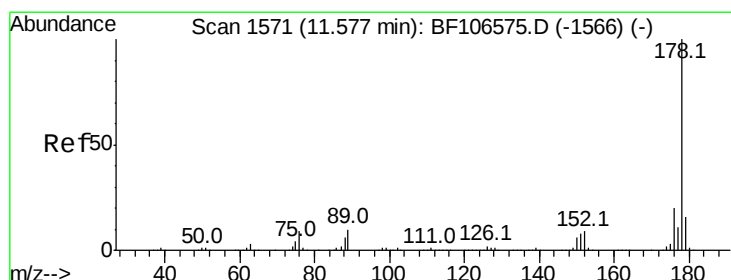
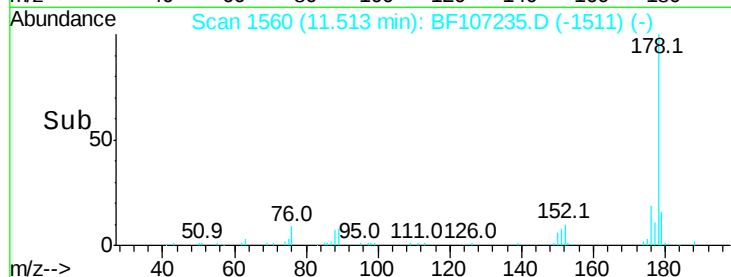
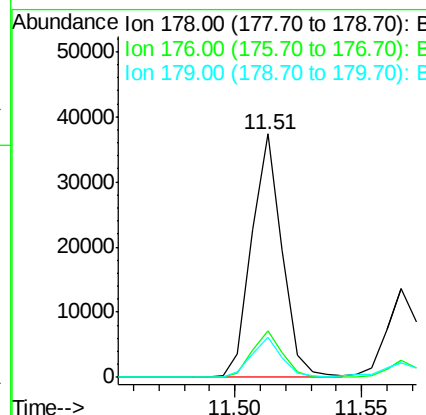
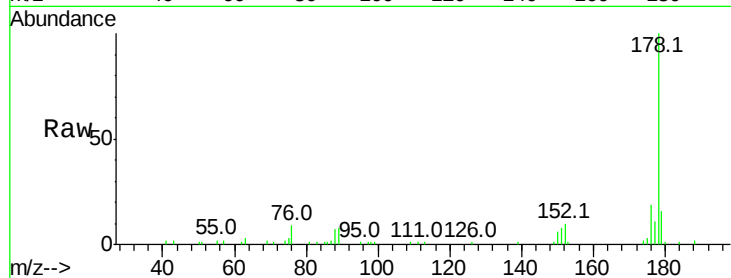
#70
Phenanthrene
Concen: 6.509 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-16RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	16.4	13.0	19.6

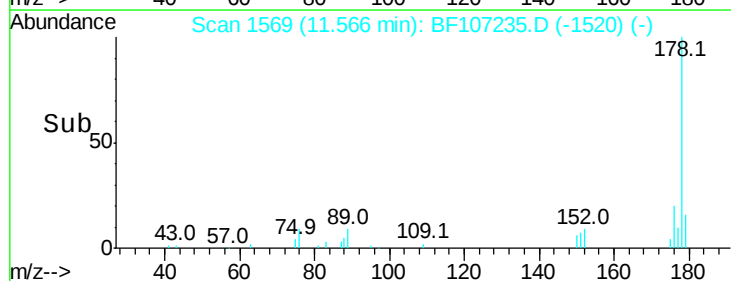
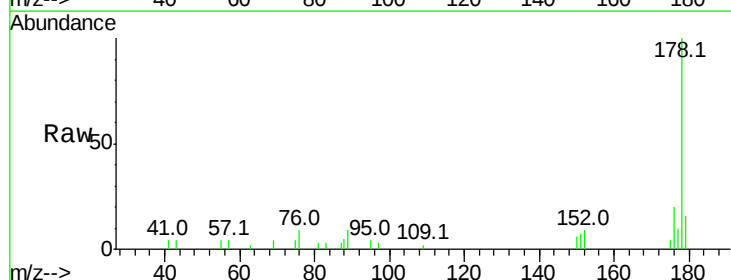
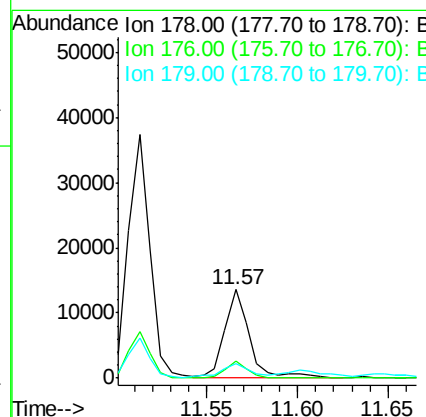
Manual Integrations
APPROVED

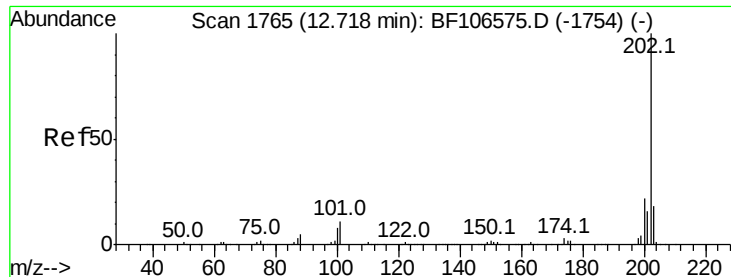
Sohil
7/10/2018 2:46:37 PM



#71
Anthracene
Concen: 2.661 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.2
179	16.3	12.6	19.0





#74

Fluoranthene

Concen: 16.512 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107235.D

Acq: 9 Jul 2018 18:08

Instrument :

BNA_F

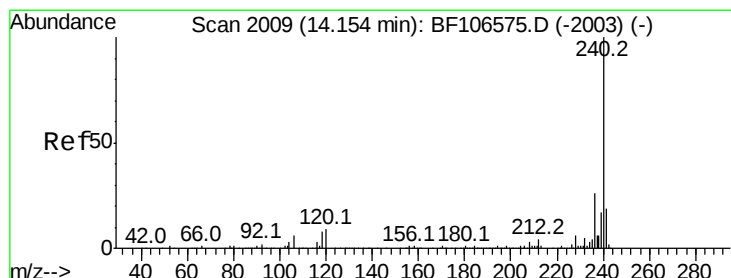
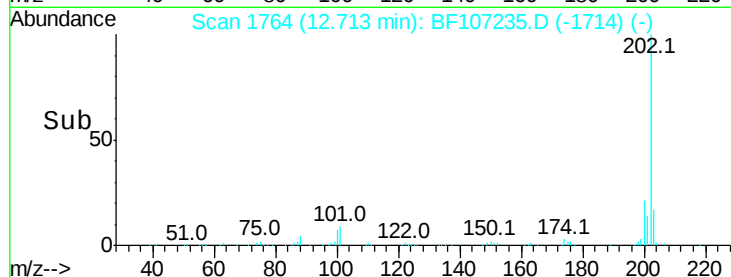
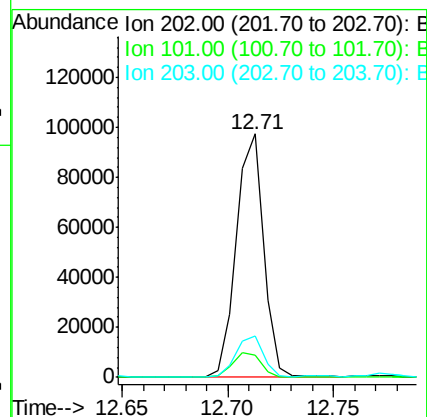
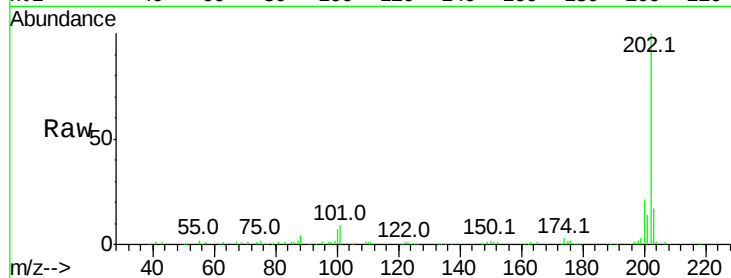
ClientSampleId :

SURCHARGE-SP-16RE

Tot Ion:	202	Resp:	87335
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	34.1
203	17.2	0.0	38.1

Manual Integrations
APPROVED

Sohil
7/10/2018 2:46:37 PM



#75

Chrysene-d12

Concen: 20.000 ng

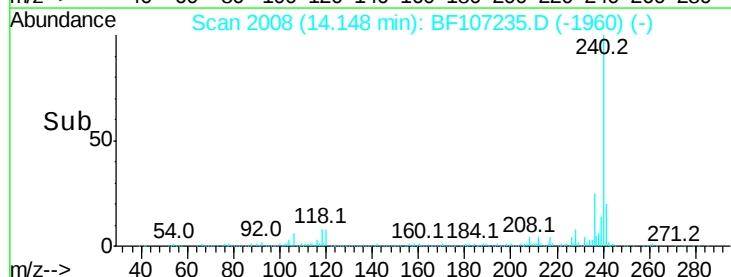
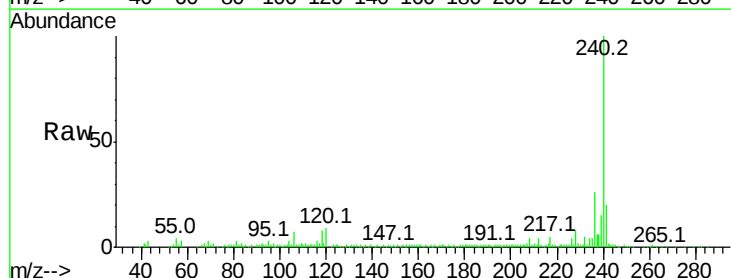
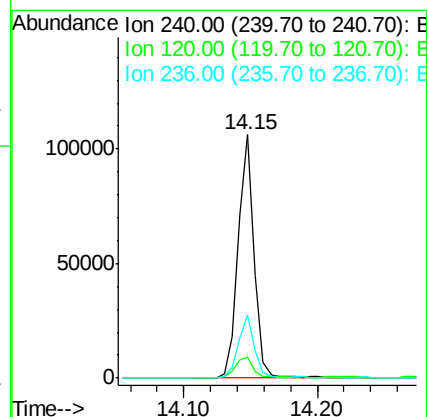
RT: 14.15 min Scan# 2008

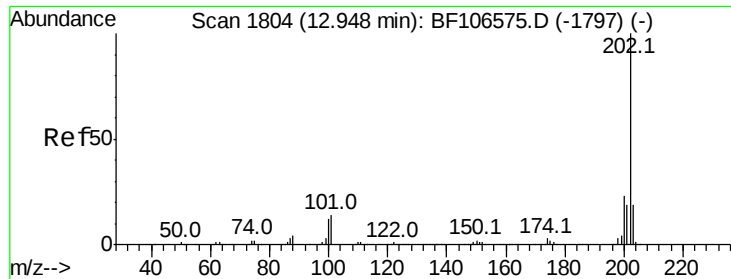
Delta R.T. -0.02 min

Lab File: BF107235.D

Acq: 9 Jul 2018 18:08

Tgt Ion:	240	Resp:	90519
Ion Ratio	Lower	Upper	
240	100		
120	8.8	9.5	14.3#
236	25.8	20.7	31.1





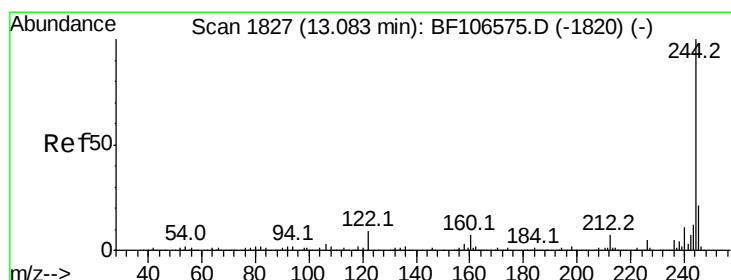
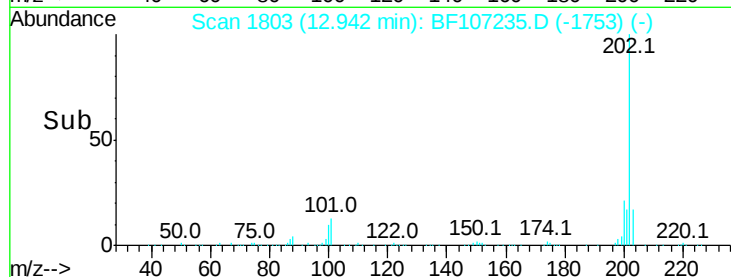
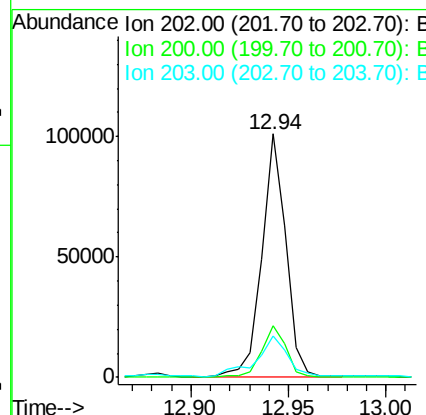
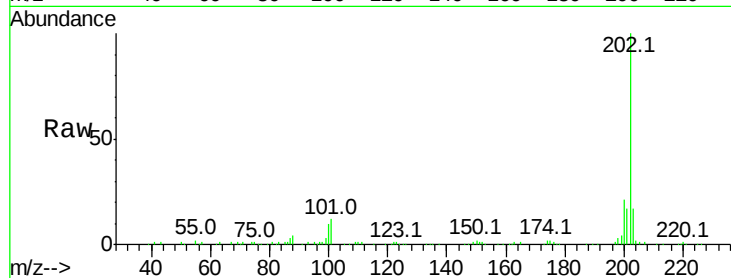
#77
Pvrene
Concen: 14.601 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-16RE

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.1	14.3	21.5

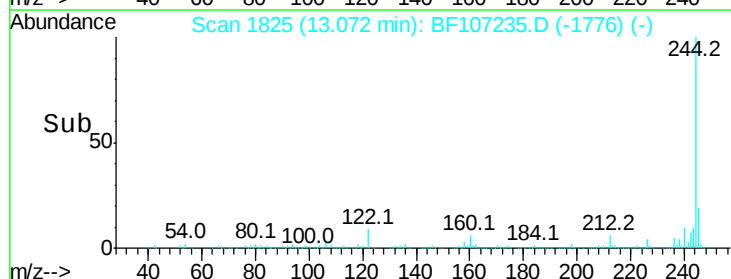
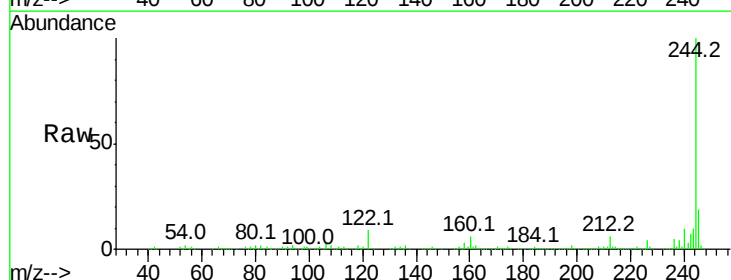
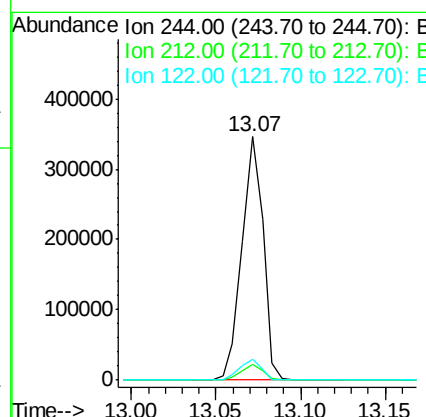
Manual Integrations
APPROVED

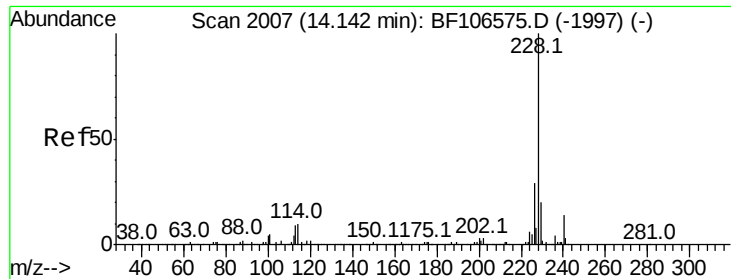
Sohil
7/10/2018 2:46:37 PM



#78
Terphenyl-d14
Concen: 81.294 ng
RT: 13.07 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

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





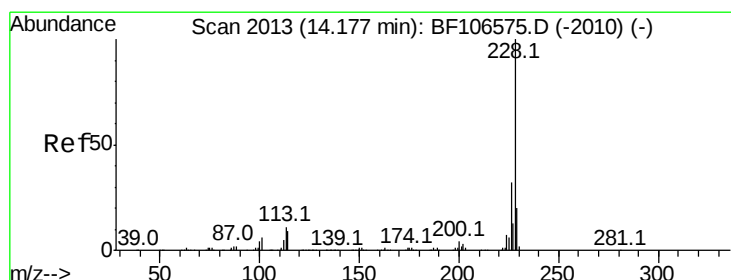
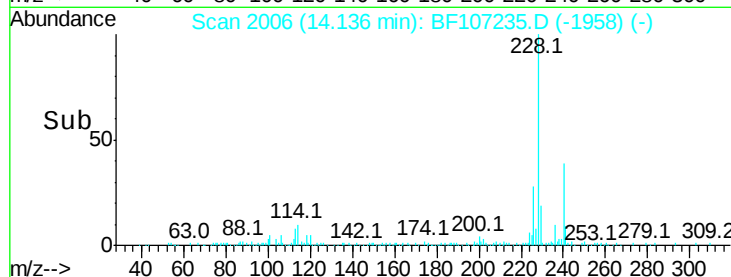
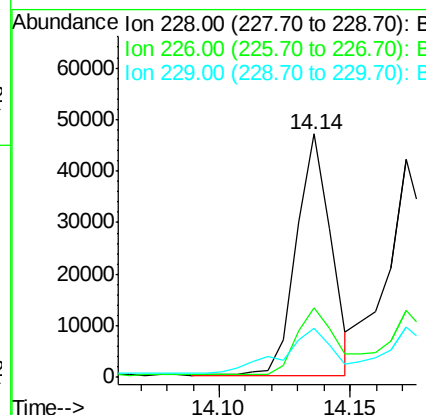
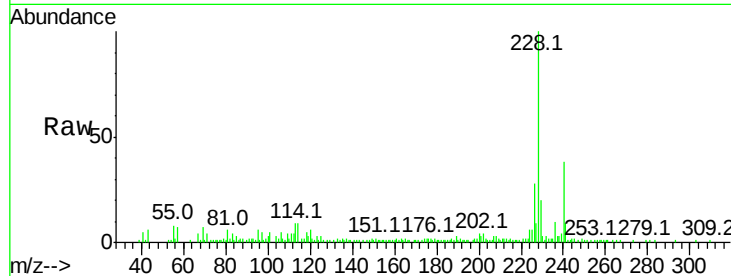
#80
Benzo(a)anthracene
Concen: 7.826 ng m
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-16RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.2	15.8	23.6

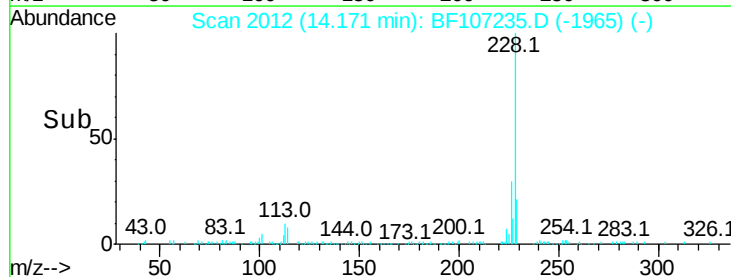
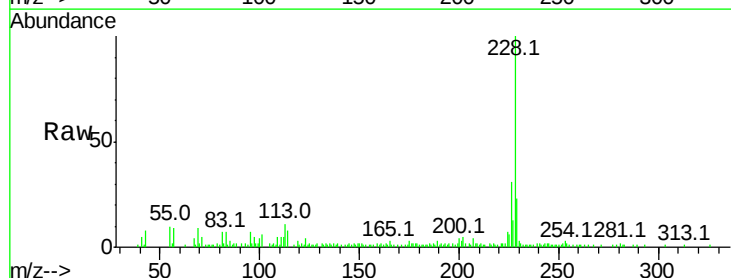
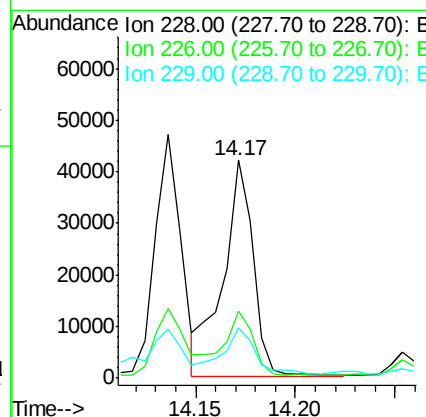
Manual Integrations
APPROVED

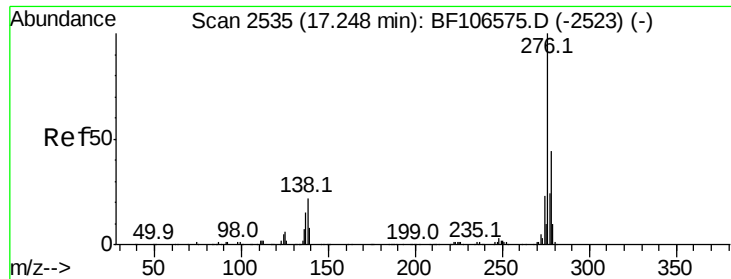
Sohil
7/10/2018 2:46:37 PM



#82
Chrysene
Concen: 8.770 ng m
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	23.0	16.2	24.4





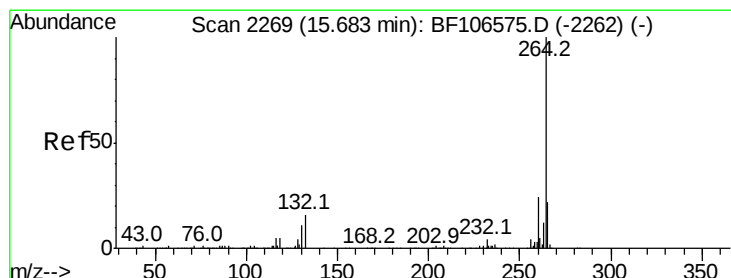
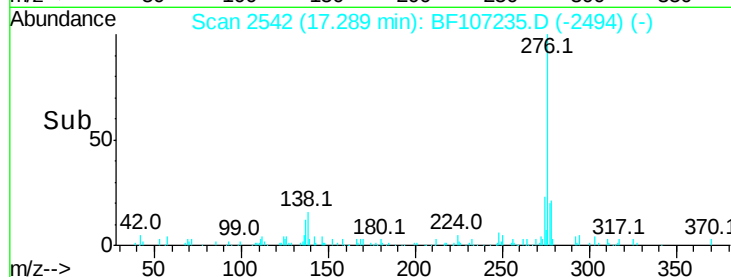
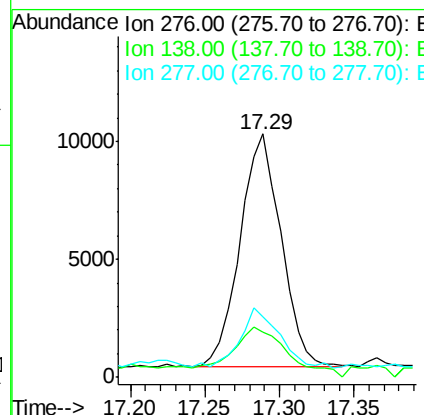
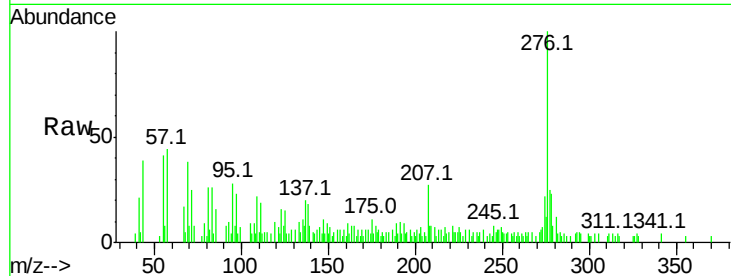
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.402 ng
RT: 17.29 min Scan# 2542
Delta R.T. -0.02 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-16RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.9	25.0	37.6
277	24.5	20.1	30.1

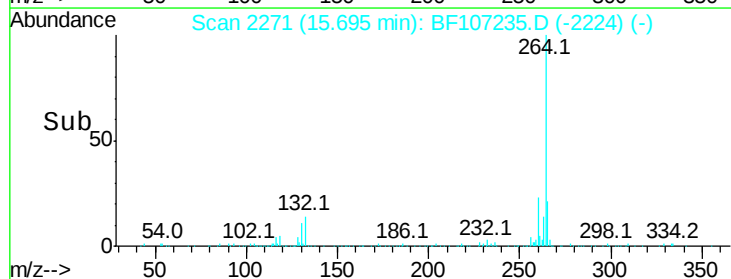
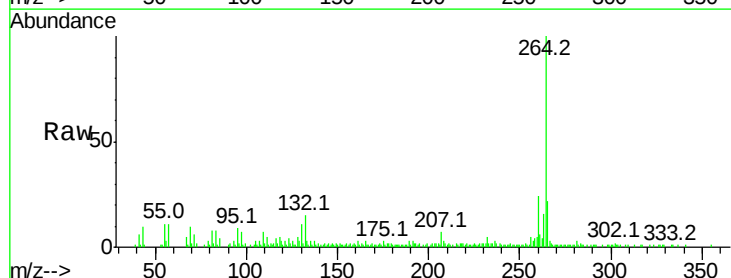
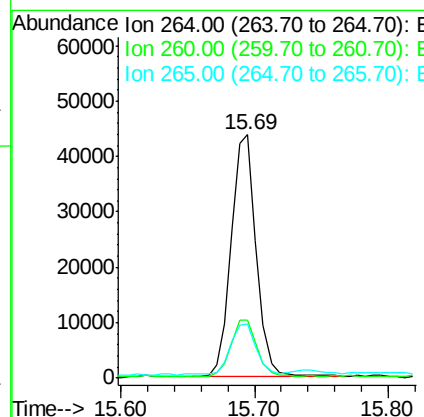
Manual Integrations
APPROVED

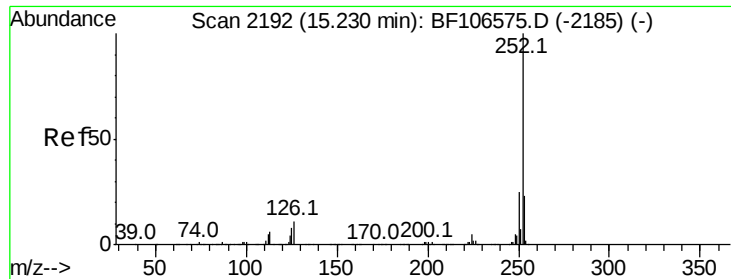
Sohil
7/10/2018 2:46:37 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 11.691 ng m

RT: 15.23 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF107235.D

Acq: 9 Jul 2018 18:08

Instrument :

BNA_F

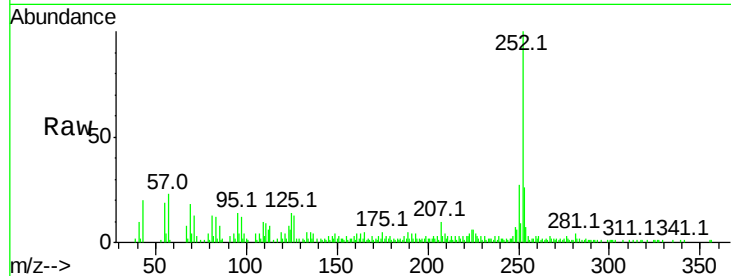
ClientSampleId :

SURCHARGE-SP-16RE

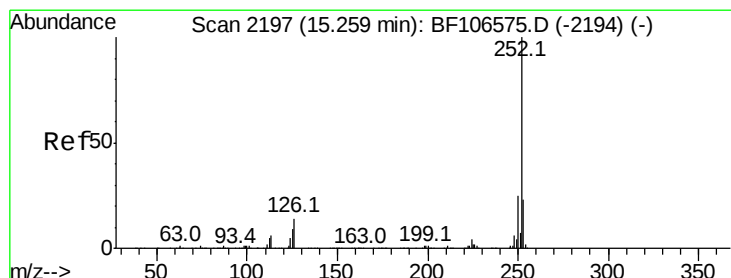
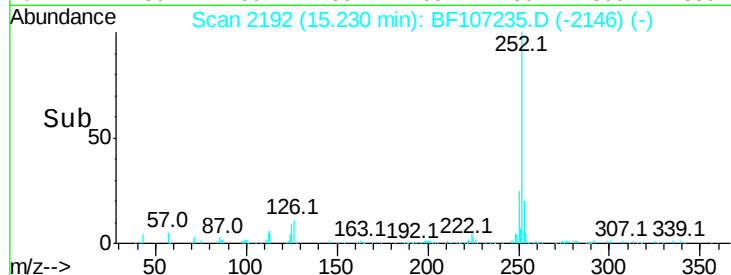
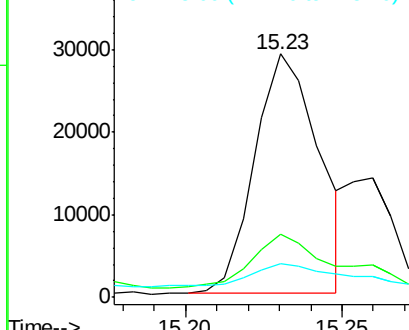
Tot Ion:	252	Resp:	41657
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.0	25.6#
125	13.8	9.0	13.6#

Manual Integrations
APPROVED

Sohil
7/10/2018 2:46:37 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



#88

Benzo(k)fluoranthene

Concen: 4.333 ng m

RT: 15.26 min Scan# 2197

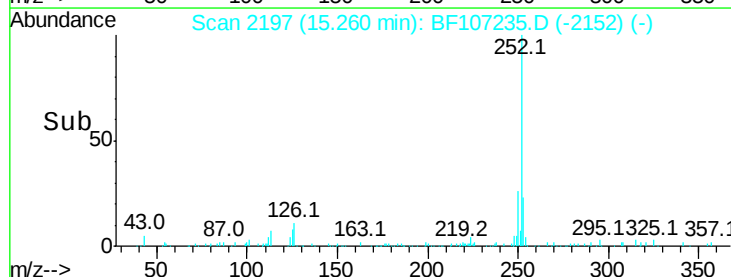
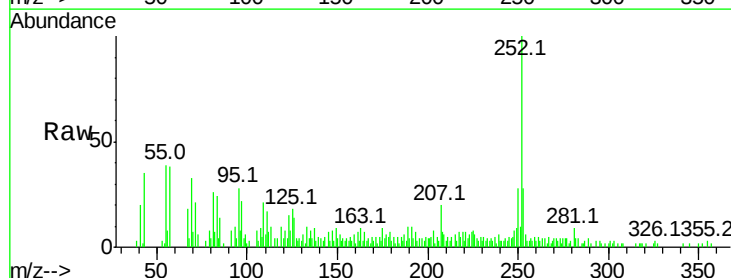
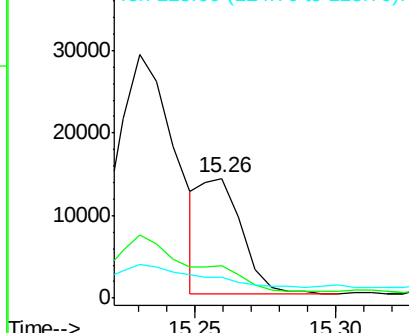
Delta R.T. -0.04 min

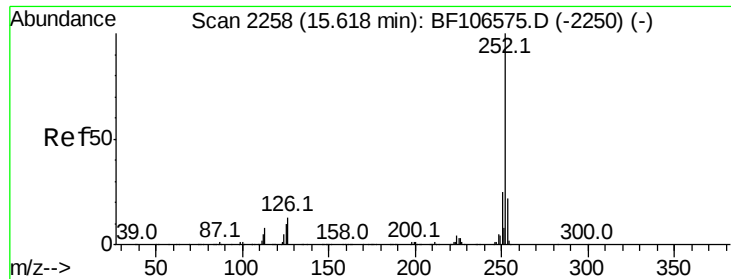
Lab File: BF107235.D

Acq: 9 Jul 2018 18:08

Tgt Ion:	252	Resp:	14702
Ion Ratio	Lower	Upper	
252	100		
253	27.5	17.9	26.9#
125	17.9	10.2	15.2#

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





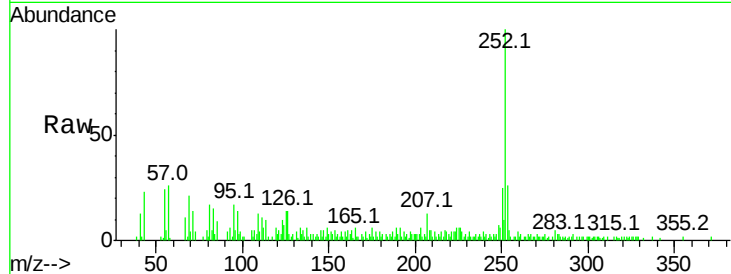
#89
Benzo(a)pyrene
Concen: 8.856 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-16RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.1	25.7#
125	14.2	9.8	14.6

Manual Integrations
APPROVED

Sohil
7/10/2018 2:46:37 PM

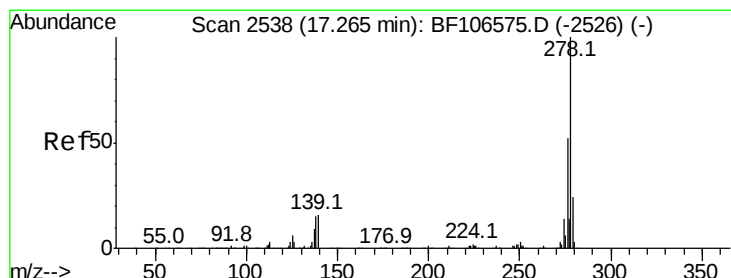
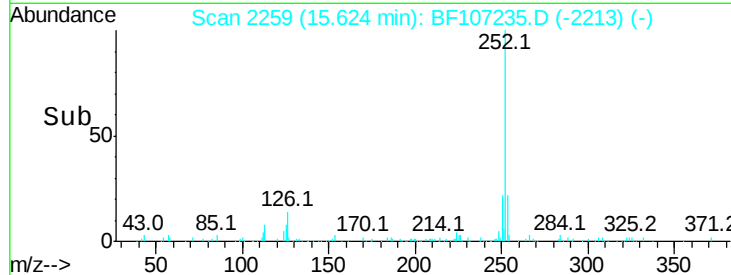
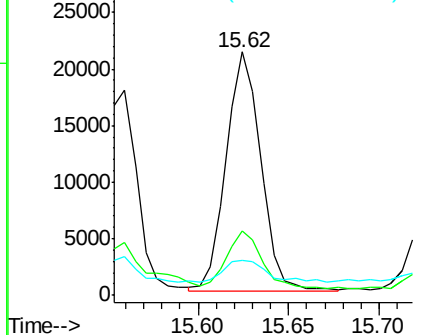


Abundance

Ion 252.00 (251.70 to 252.70): E

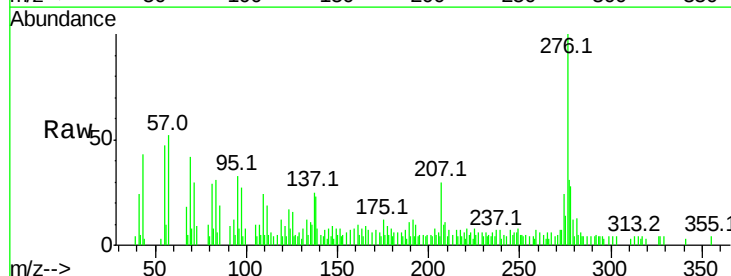
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Dibenzo(a,h)anthracene
Concen: 2.091 ng
RT: 17.28 min Scan# 2541
Delta R.T. -0.04 min
Lab File: BF107235.D
Acq: 9 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.1	15.9	23.9#
279	43.0	19.0	28.4#

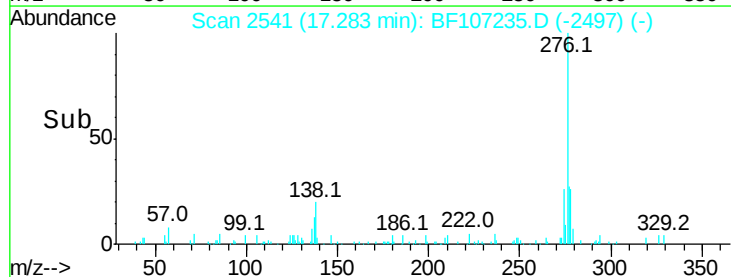
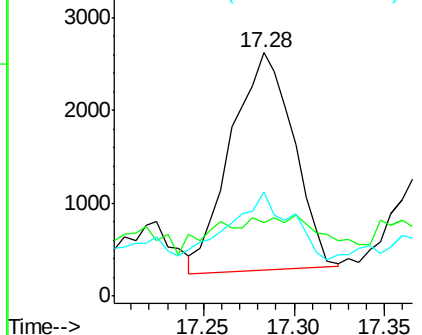


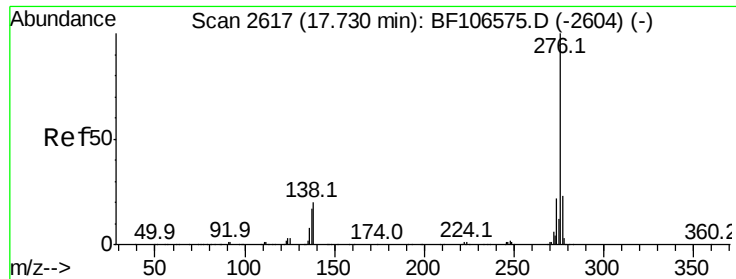
Abundance

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: 8.538 ng
 RT: 17.78 min Scan# 2626
 Delta R.T. -0.01 min
 Lab File: BF107235.D
 Acq: 9 Jul 2018 18:08

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-16RE

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.5	17.9	26.9#
138	19.1	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 7/10/2018 2:46:37 PM

