

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100825.D
 Acq On : 22 Nov 2017 14:39
 Operator : SJ/JU
 Sample : I6305-11 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-112017-A

Manual Integrations
 APPROVED

Sohil
 11/27/2017 3:19:34 PM

Quant Time: Nov 24 01:05:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	76611	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	291567	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	126992	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	214790	20.00	ng	0.00
75) Chrysene-d12	14.04	240	190023	20.00	ng	0.00
86) Perylene-d12	15.52	264	159053	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	119068	24.91	ng	-0.01
7) Phenol-d6	6.49	99	141932	24.08	ng	-0.02
23) Nitrobenzene-d5	7.43	82	81752	18.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	32693	25.26	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	174487	20.92	ng	-0.01
78) Terphenyl-d14	12.97	244	140812	17.03	ng	-0.01
Target Compounds						
70) Phenanthrene	11.42	178	87555	7.742	ng	96
71) Anthracene	11.47	178	32739	2.853	ng	99
74) Fluoranthene	12.61	202	186443	15.556	ng	95
77) Pyrene	12.84	202	160996	11.886	ng	98
80) Benzo(a)anthracene	14.03	228	93427	8.164	ng	98
82) Chrysene	14.06	228	78854	7.116	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	30357	3.387	ng	# 90
87) Benzo(b)fluoranthene	15.08	252	81740m	8.674	ng	
88) Benzo(k)fluoranthene	15.10	252	36441m	4.093	ng	
89) Benzo(a)pyrene	15.44	252	58549	7.009	ng	# 97
91) Benzo(g,h,i)perylene	17.44	276	25844	3.864	ng	93

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

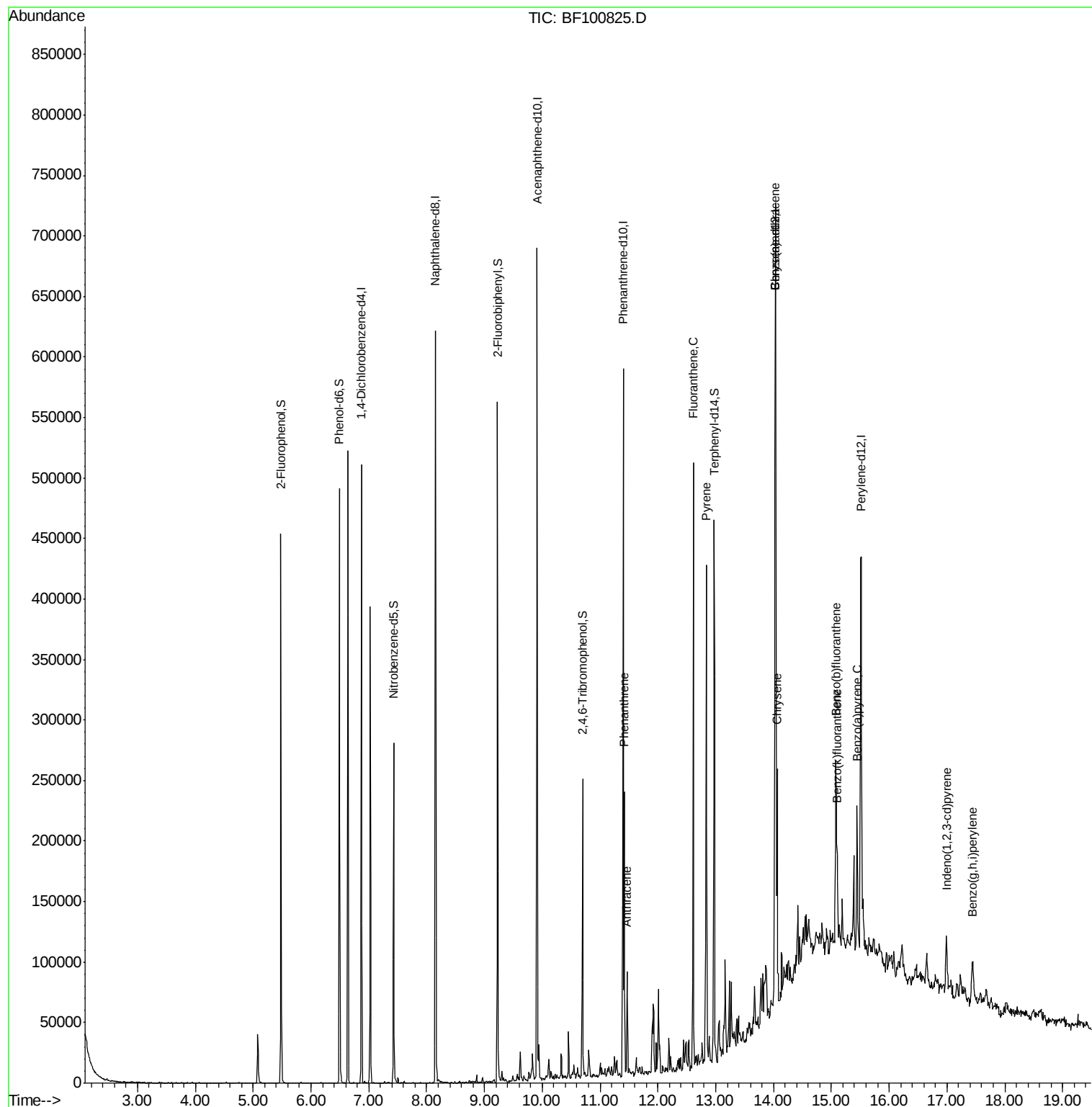
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
Data File : BF100825.D
Acq On : 22 Nov 2017 14:39
Operator : SJ/JU
Sample : I6305-11 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

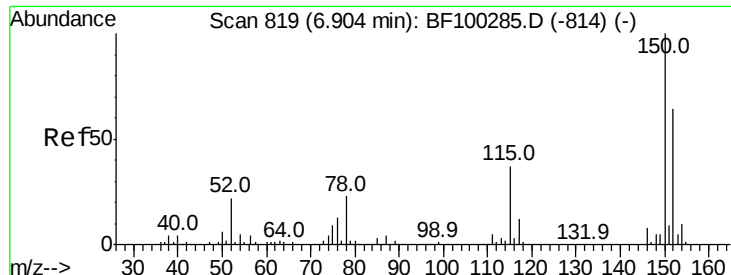
Instrument :
BNA_F
ClientSampleId :
PL-02-112017-A

Manual Integrations
APPROVED

Sohil
11/27/2017 3:19:34 PM

Quant Time: Nov 24 01:05:15 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration





#1

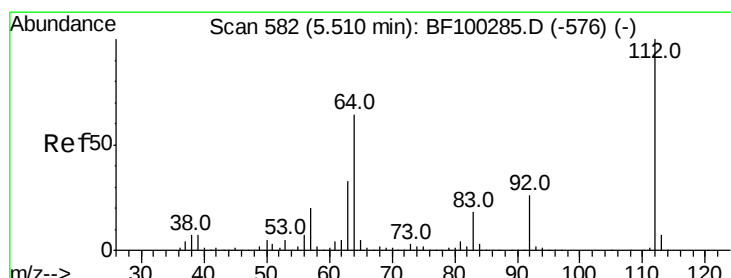
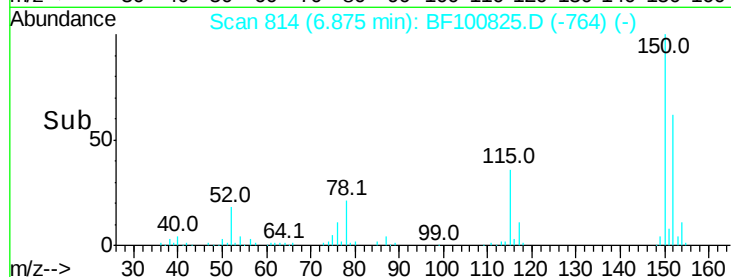
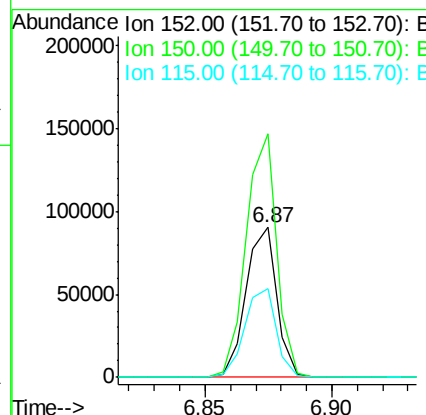
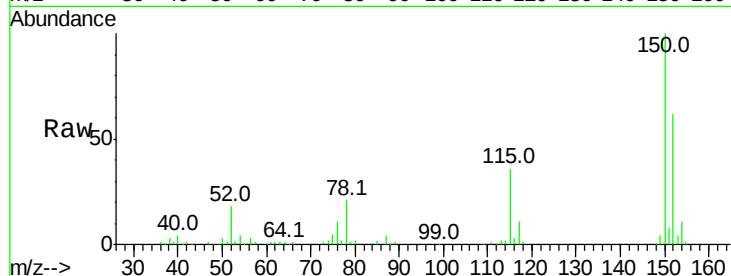
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100825.D
Acq: 22 Nov 2017 14:39

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.2	124.6	186.8
115	58.7	50.1	75.1

Manual Integrations
APPROVED

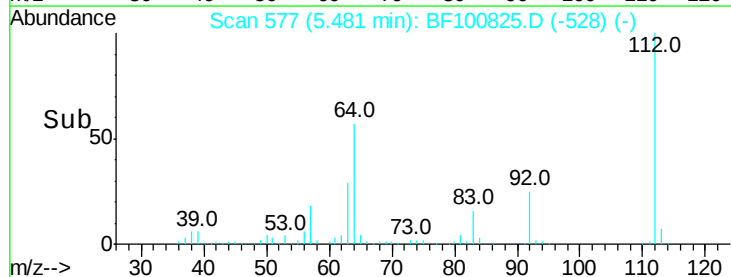
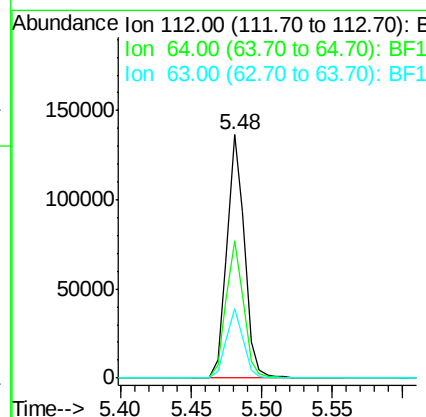
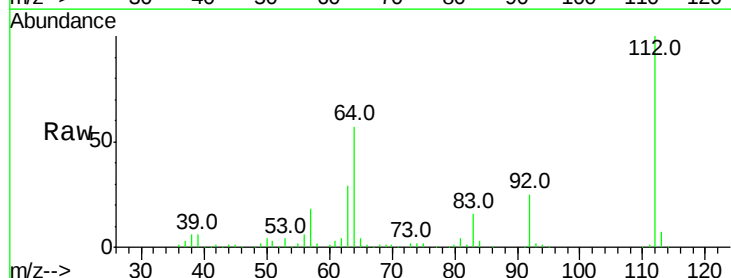
Sohil
11/27/2017 3:19:34 PM



#5

2-Fluorophenol
Concen: 24.913 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF100825.D
Acq: 22 Nov 2017 14:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.9	71.9
63	28.8	23.7	35.5





#7

Phenol-d6

Concen: 24.083 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF100825.D

Acq: 22 Nov 2017 14:39

Instrument :

BNA_F

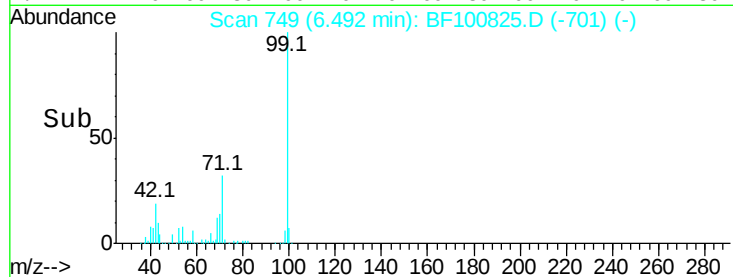
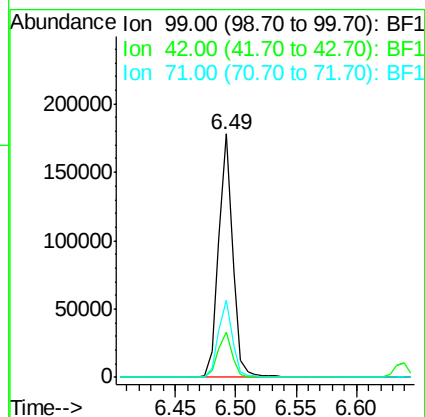
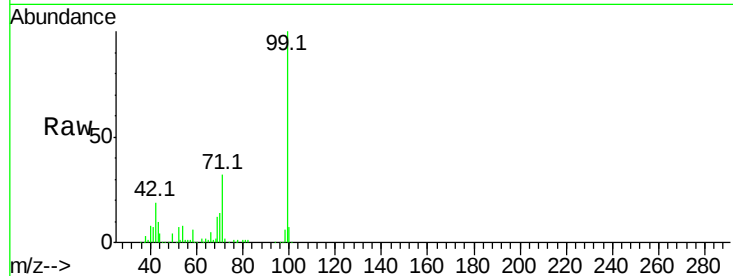
ClientSampleId :

PL-02-112017-A

Tot Ion:	99	Resp:	141932
Ion Ratio	Lower	Upper	
99	100		
42	18.5	14.5	21.7
71	31.9	25.4	38.0

Manual Integrations
APPROVED

Sohil
11/27/2017 3:19:34 PM



#21

Naphthalene-d8

Concen: 20.000 ng

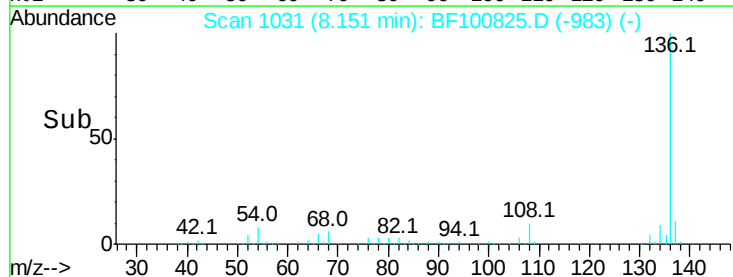
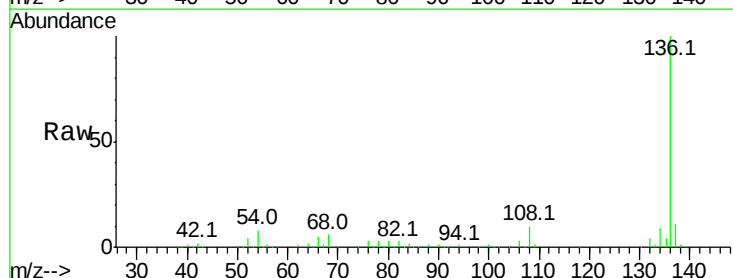
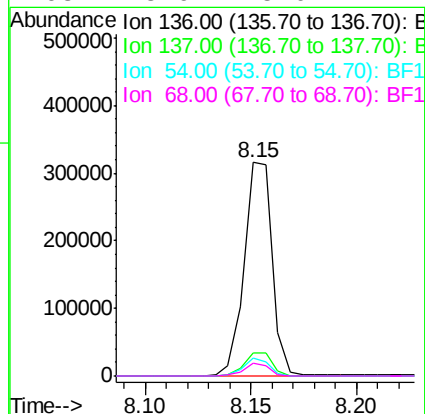
RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF100825.D

Acq: 22 Nov 2017 14:39

Tgt Ion:	136	Resp:	291567
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.5	6.6	9.8
68	5.9	5.0	7.4





#23

Nitrobenzene-d5

Concen: 18.537 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.02 min

Lab File: BF100825.D

Acq: 22 Nov 2017 14:39

Instrument :

BNA_F

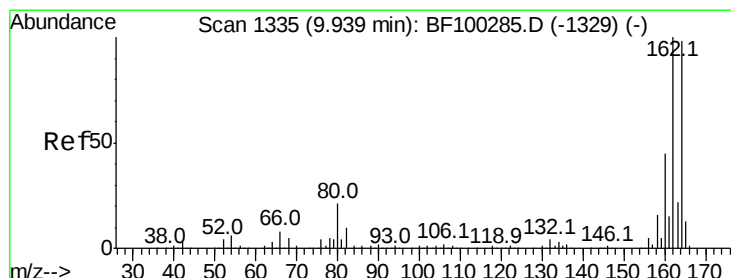
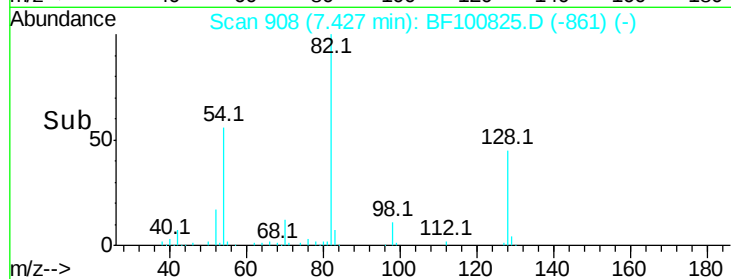
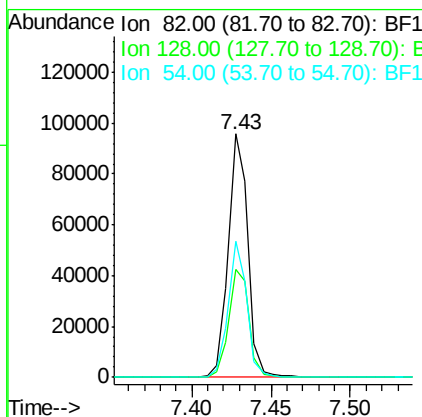
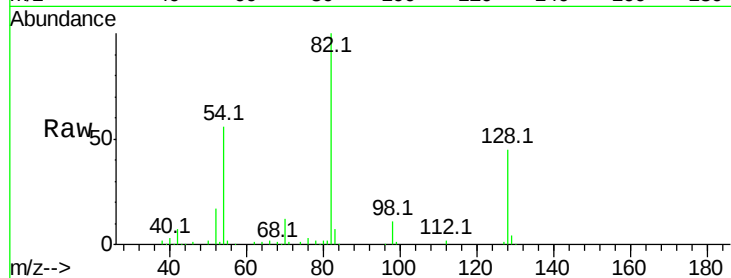
ClientSampleId :

PL-02-112017-A

Tot Ion:	82	Resp:	81752
Ion Ratio	Lower	Upper	
82	100		
128	44.5	36.1	54.1
54	55.7	41.4	62.2

Manual Integrations
APPROVED

Sohil
11/27/2017 3:19:34 PM



#38

Acenaphthene-d10

Concen: 20.000 ng

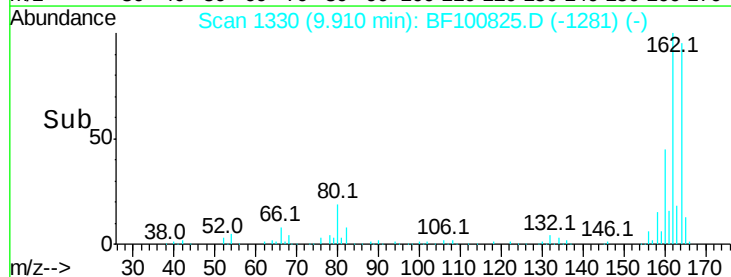
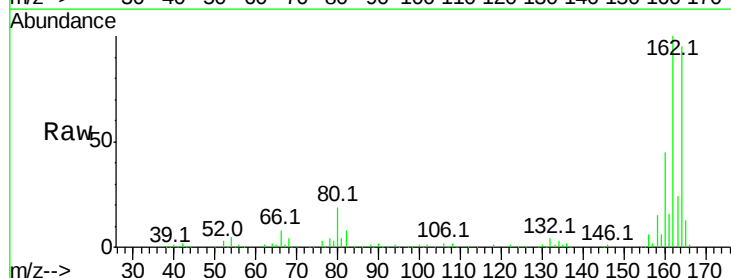
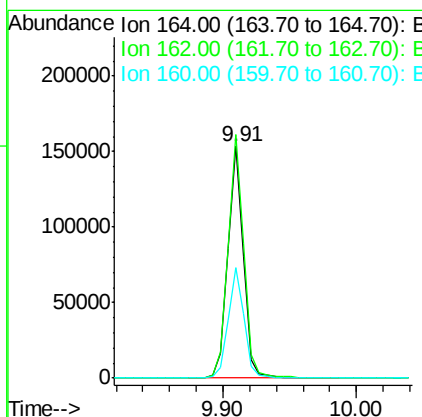
RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF100825.D

Acq: 22 Nov 2017 14:39

Tgt Ion:	164	Resp:	126992
Ion Ratio	Lower	Upper	
164	100		
162	105.0	86.1	129.1
160	47.8	38.3	57.5





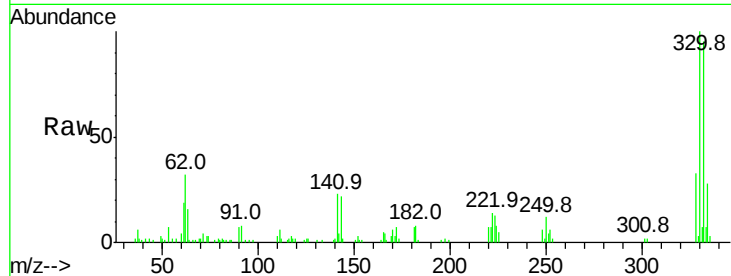
#41
 2,4,6-Tribromophenol
 Concen: 25.264 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100825.D
 Acq: 22 Nov 2017 14:39

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-112017-A

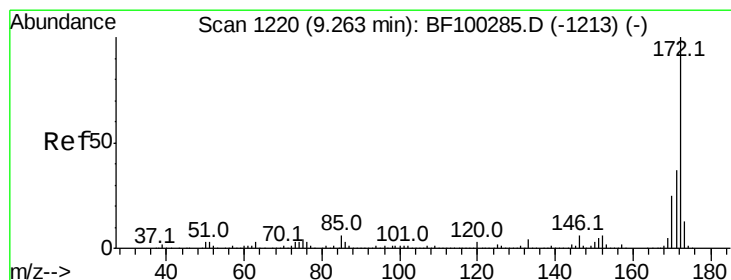
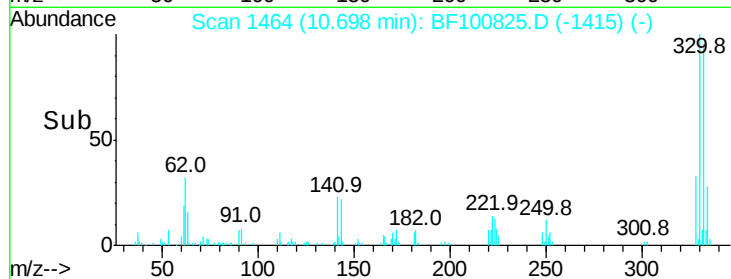
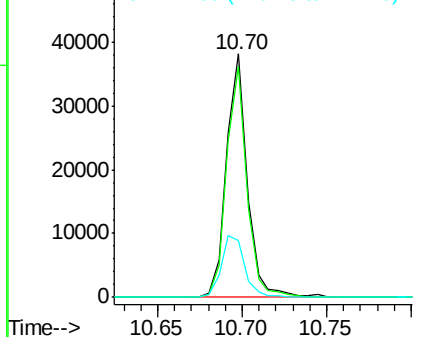
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.3	77.0	115.6	
141	28.8	29.9	44.9	

Manual Integrations
 APPROVED

Sohil
 11/27/2017 3:19:34 PM



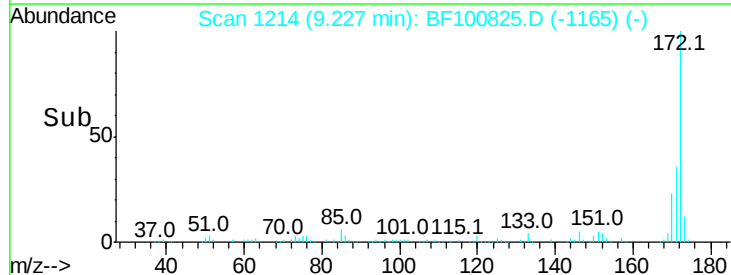
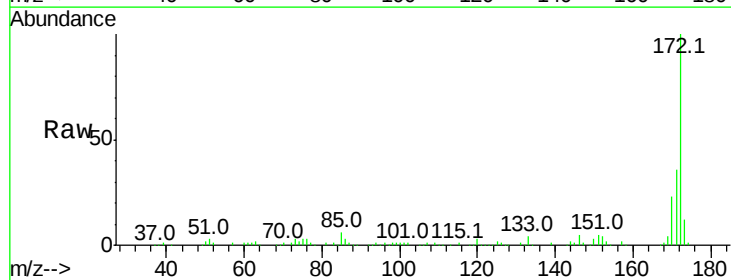
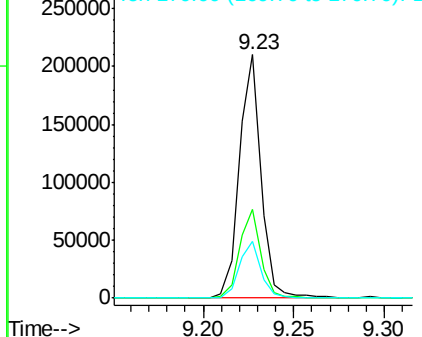
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 20.922 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100825.D
 Acq: 22 Nov 2017 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2	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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF100825.D

Acq: 22 Nov 2017 14:39

Instrument :

BNA_F

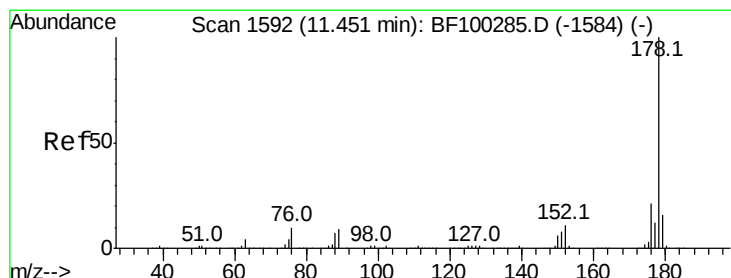
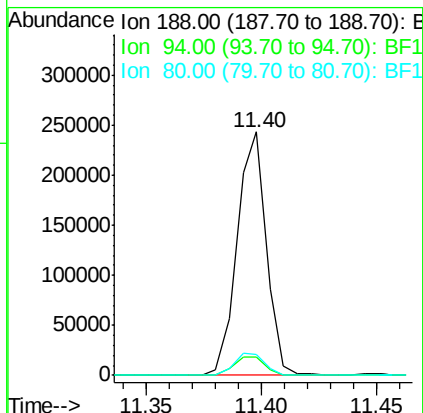
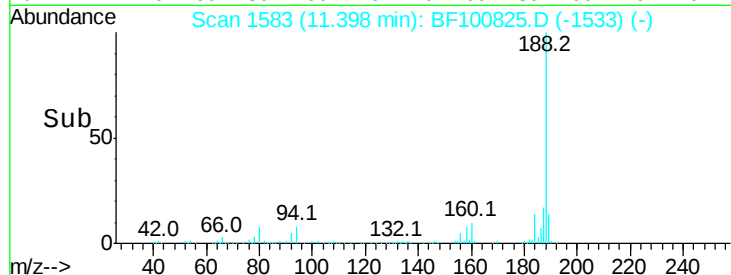
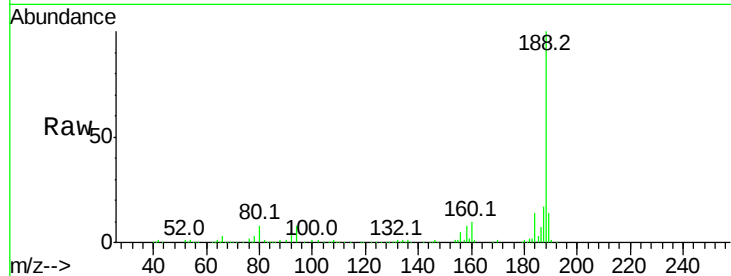
ClientSampleId :

PL-02-112017-A

Tot Ion:	188	Resp:	214790
Ion Ratio	Lower	Upper	
188	100		
94	7.7	8.5	12.7#
80	8.4	9.2	13.8#

Manual Integrations
APPROVED

Sohil
11/27/2017 3:19:34 PM



#70

Phenanthrene

Concen: 7.742 ng

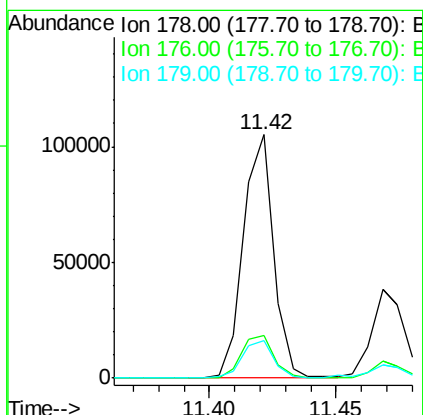
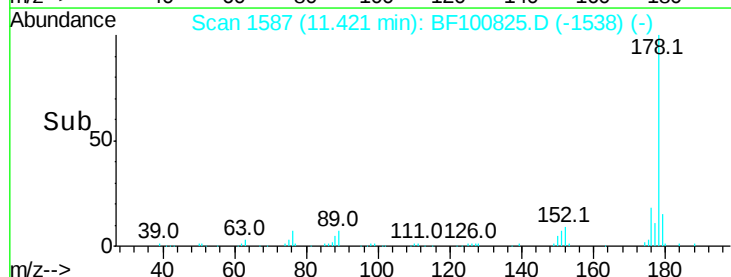
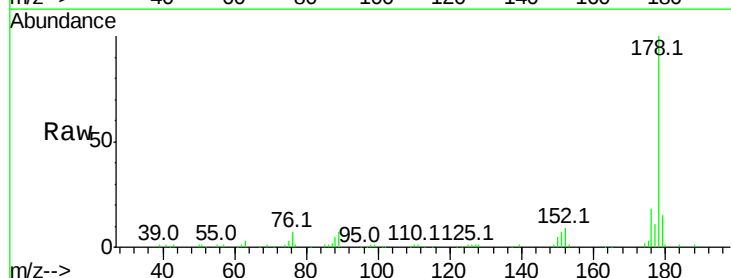
RT: 11.42 min Scan# 1587

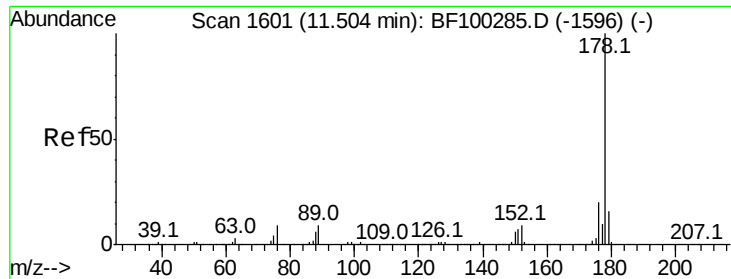
Delta R.T. -0.01 min

Lab File: BF100825.D

Acq: 22 Nov 2017 14:39

Tgt Ion:	178	Resp:	87555
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.8	23.8
179	15.3	13.0	19.6





#71

Anthracene

Concen: 2.853 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.02 min

Lab File: BF100825.D

Acq: 22 Nov 2017 14:39

Instrument :

BNA_F

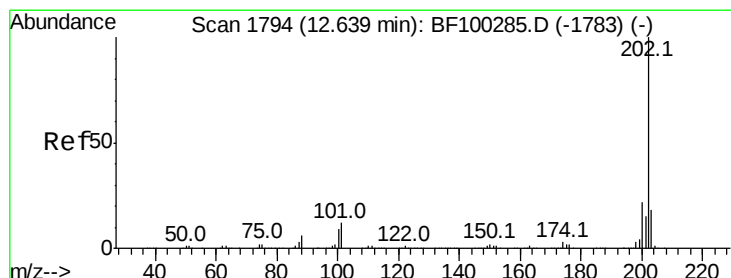
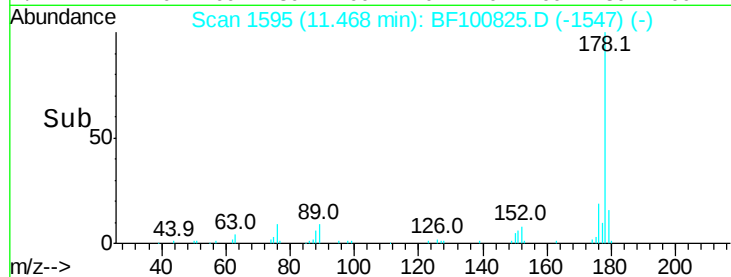
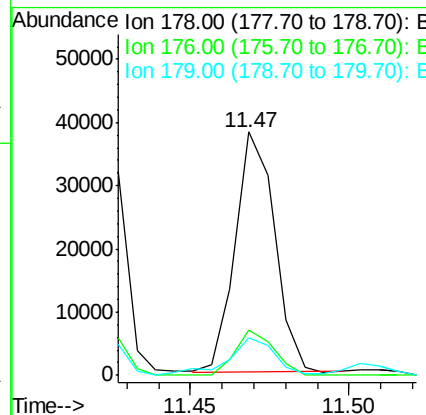
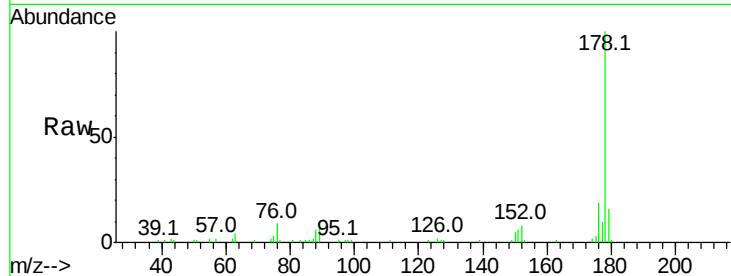
ClientSampleId :

PL-02-112017-A

Tot Ion:	178	Resp:	32739
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.4	23.2
179	15.5	12.6	19.0

Manual Integrations
APPROVED

Sohil
11/27/2017 3:19:34 PM



#74

Fluoranthene

Concen: 15.556 ng

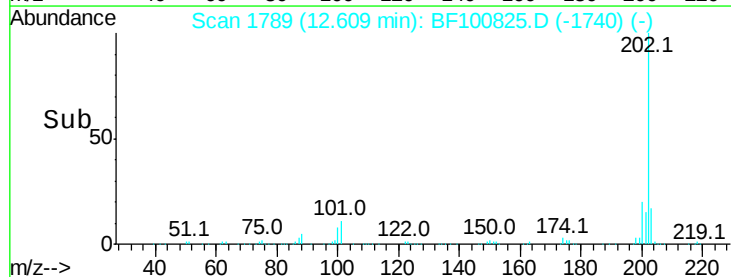
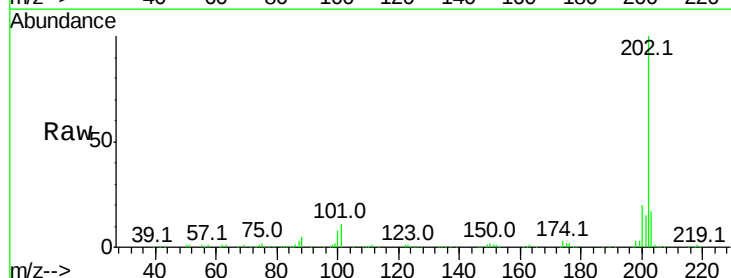
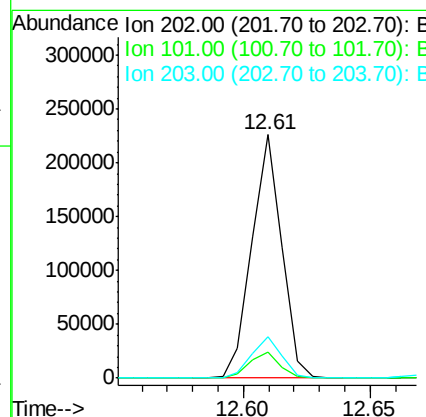
RT: 12.61 min Scan# 1789

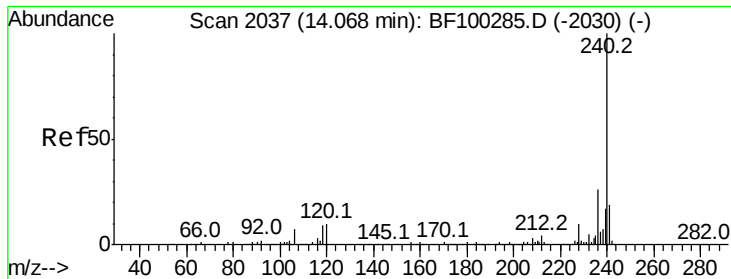
Delta R.T. -0.01 min

Lab File: BF100825.D

Acq: 22 Nov 2017 14:39

Tgt Ion:	202	Resp:	186443
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	34.1
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100825.D

Acq: 22 Nov 2017 14:39

Instrument :

BNA_F

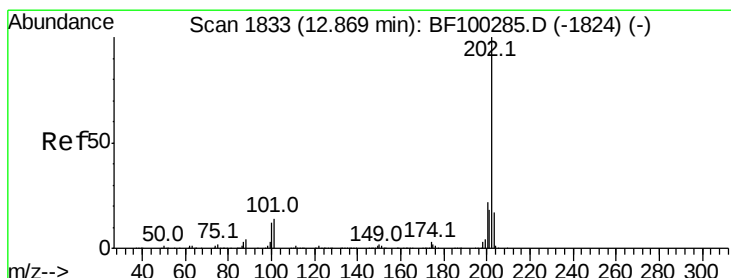
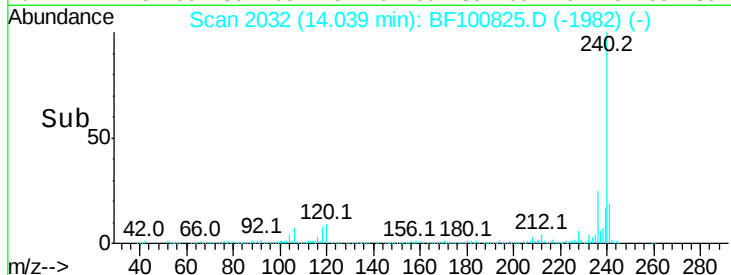
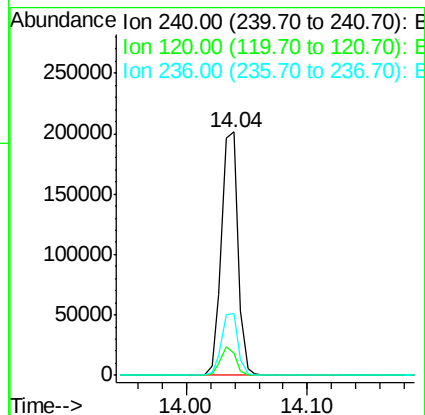
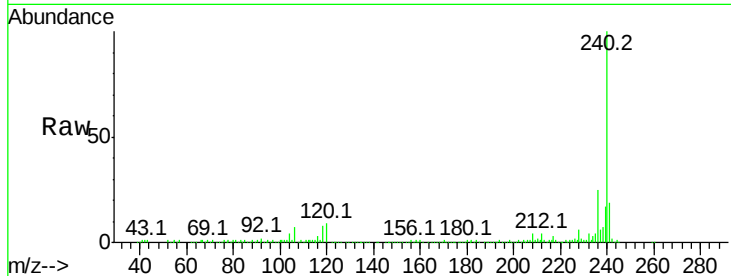
ClientSampleId :

PL-02-112017-A

Tot Ion:	240	Resp:	190023
Ion Ratio	Lower	Upper	
240	100		
120	9.2	9.5	14.3#
236	25.5	20.7	31.1

Manual Integrations
APPROVED

Sohil
11/27/2017 3:19:34 PM



#77

Pyrene

Concen: 11.886 ng

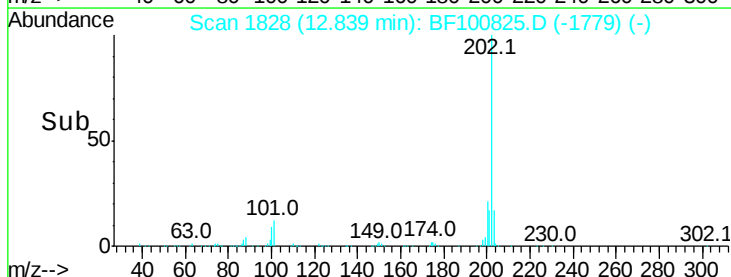
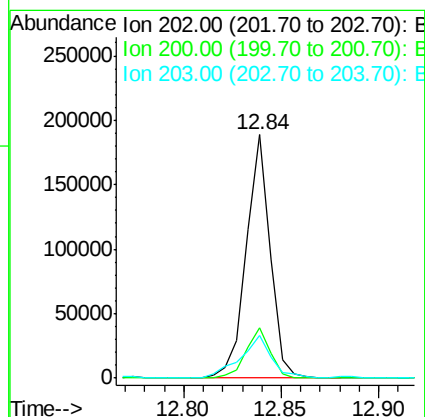
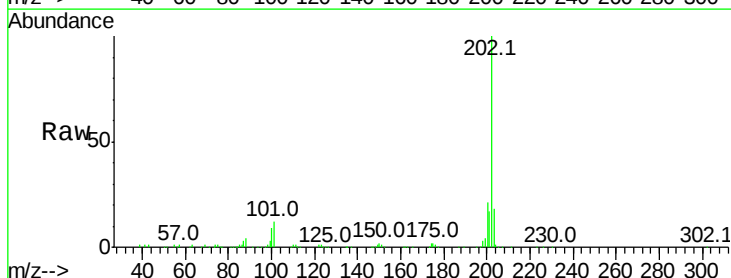
RT: 12.84 min Scan# 1828

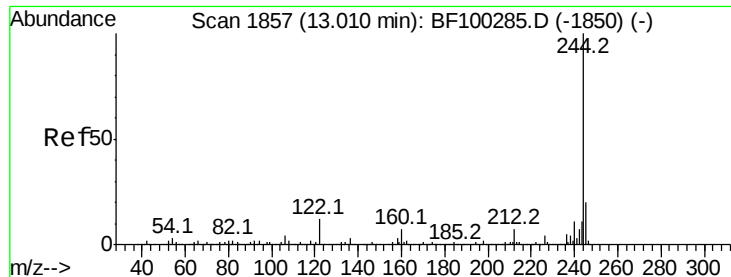
Delta R.T. -0.01 min

Lab File: BF100825.D

Acq: 22 Nov 2017 14:39

Tgt Ion:	202	Resp:	160996
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	17.6	14.3	21.5





#78

Terphenyl-d14

Concen: 17.027 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF100825.D

Acq: 22 Nov 2017 14:39

Instrument :

BNA_F

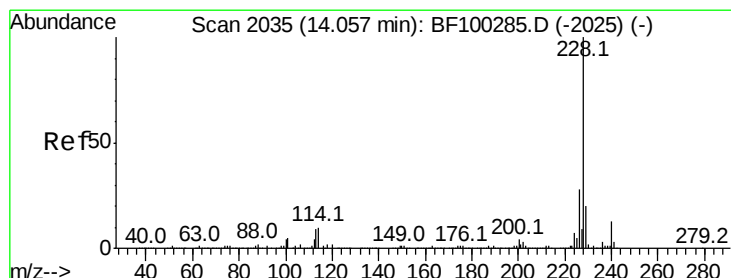
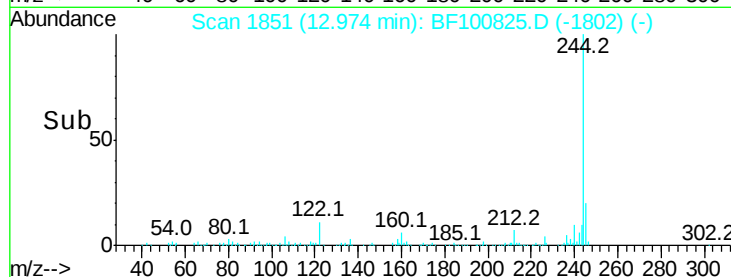
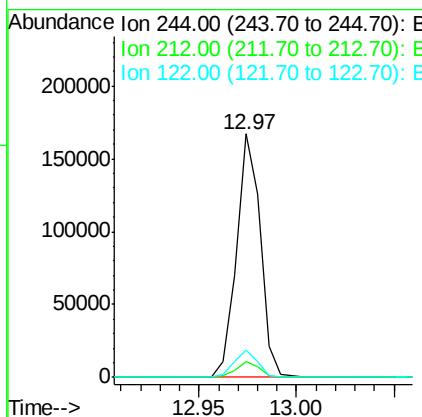
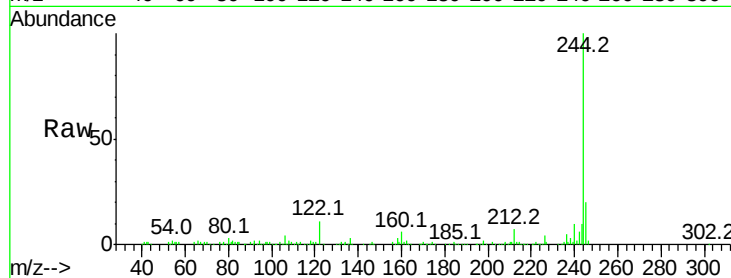
ClientSampleId :

PL-02-112017-A

Tot Ion:	244	Resp:	140812
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.0	11.0	16.4

Manual Integrations
APPROVED

Sohil
11/27/2017 3:19:34 PM



#80

Benzo(a)anthracene

Concen: 8.164 ng

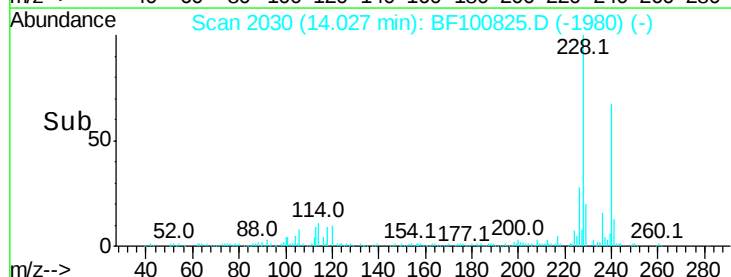
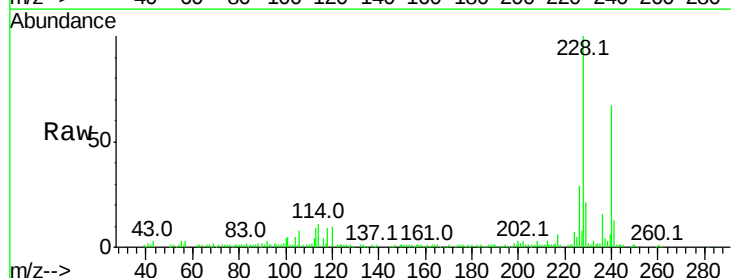
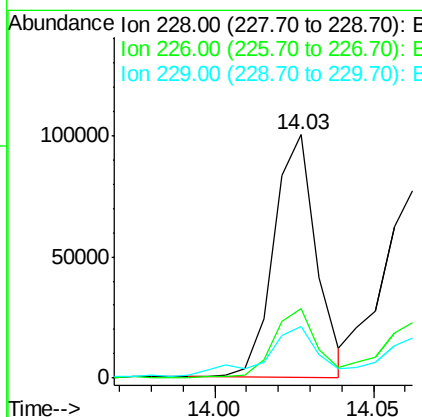
RT: 14.03 min Scan# 2030

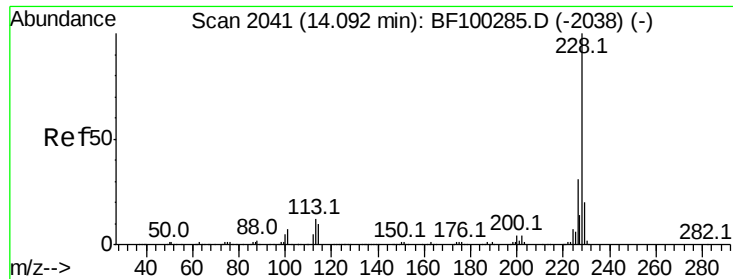
Delta R.T. -0.01 min

Lab File: BF100825.D

Acq: 22 Nov 2017 14:39

Tgt Ion:	228	Resp:	93427
Ion Ratio		Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.0	15.8	23.6





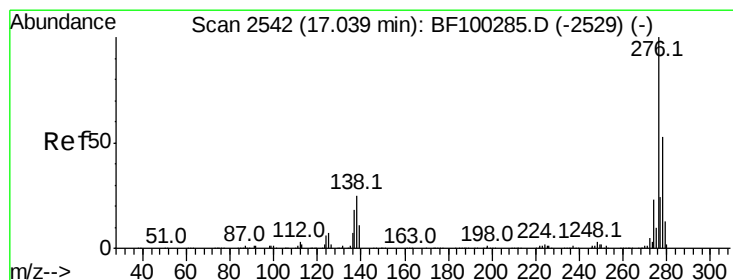
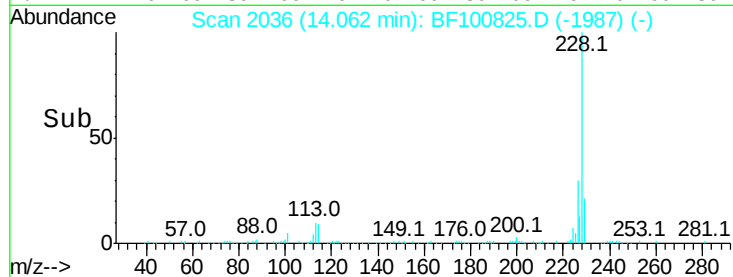
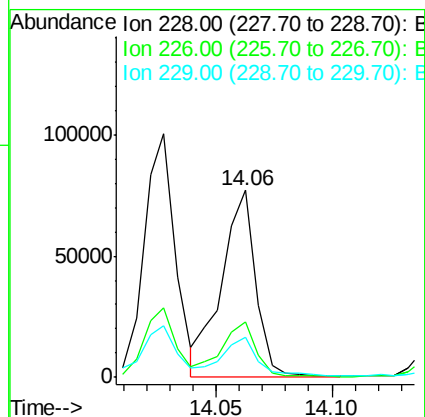
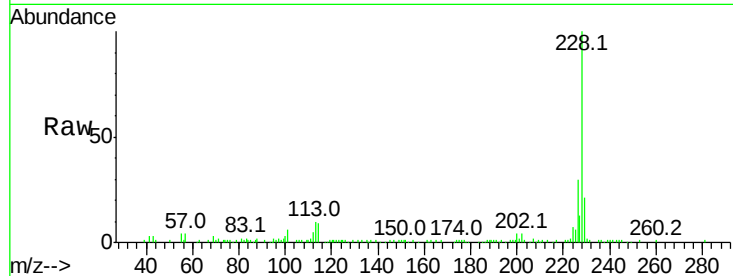
#82
Chrysene
Concen: 7.116 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF100825.D
Acq: 22 Nov 2017 14:39

Instrument :
BNA_F
ClientSampled :
PL-02-112017-A

Tot Ion:228	Resp:	78854
Ion Ratio	Lower	Upper
228 100		
226 29.8	25.0	37.6
229 21.5	16.2	24.4

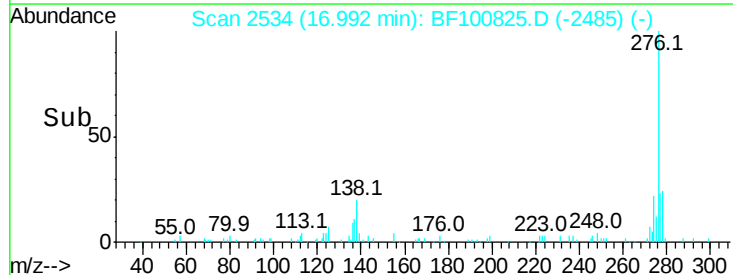
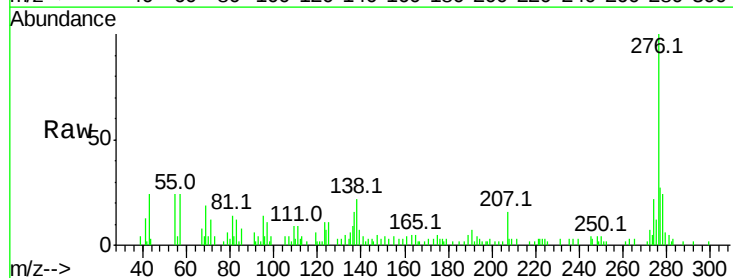
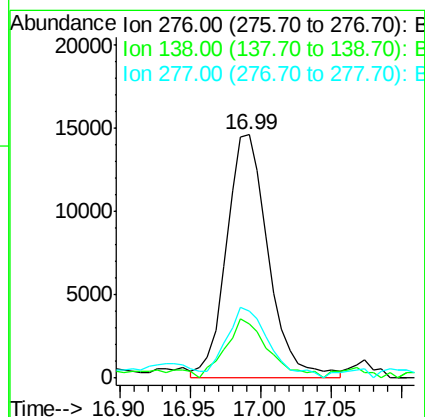
Manual Integrations
APPROVED

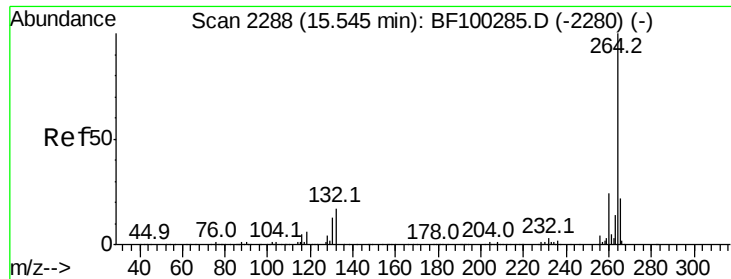
Sohil
11/27/2017 3:19:34 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.387 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.01 min
Lab File: BF100825.D
Acq: 22 Nov 2017 14:39

Tgt Ion:276	Resp:	30357
Ion Ratio	Lower	Upper
276 100		
138 24.8	25.0	37.6#
277 29.0	20.1	30.1





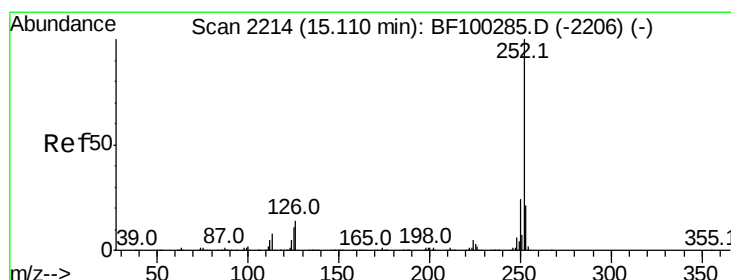
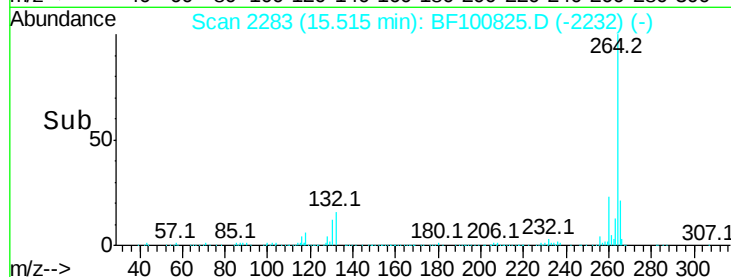
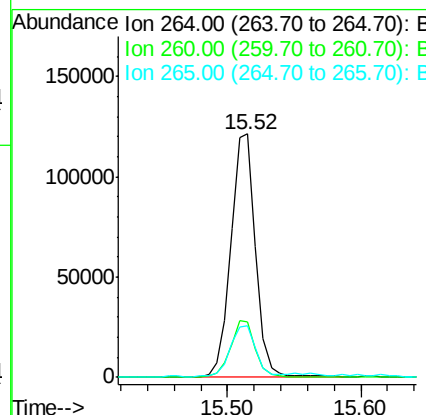
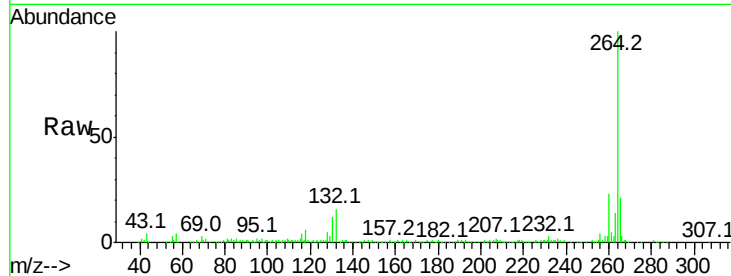
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF100825.D
Acq: 22 Nov 2017 14:39

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.2	17.5	26.3

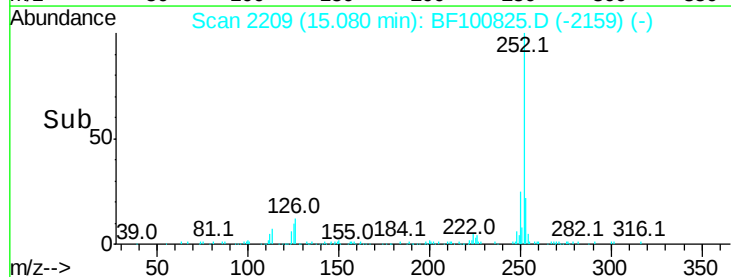
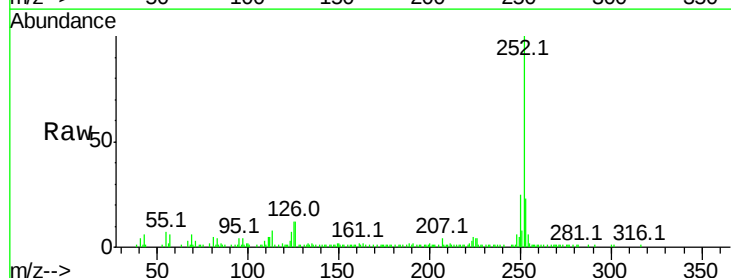
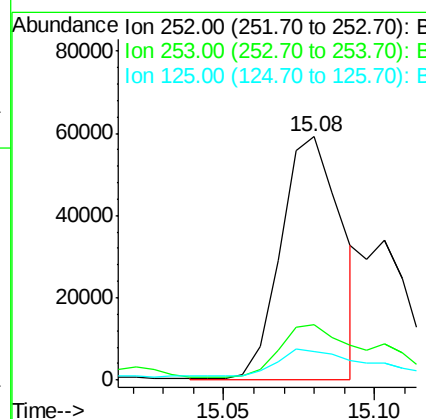
Manual Integrations
APPROVED

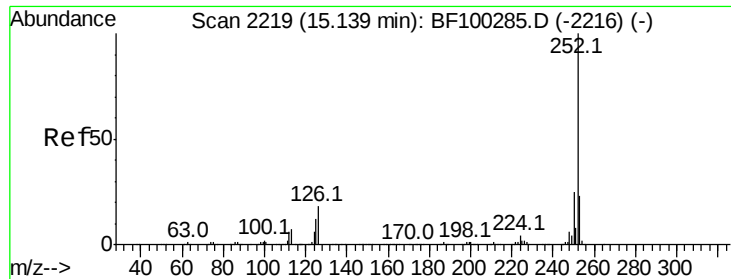
Sohil
11/27/2017 3:19:34 PM



#87
Benzo(b)fluoranthene
Concen: 8.674 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF100825.D
Acq: 22 Nov 2017 14:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	11.7	9.0	13.6





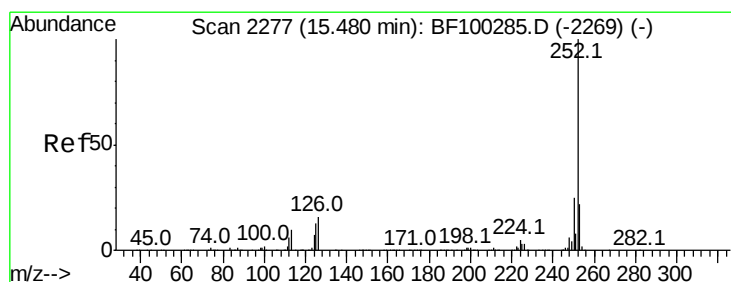
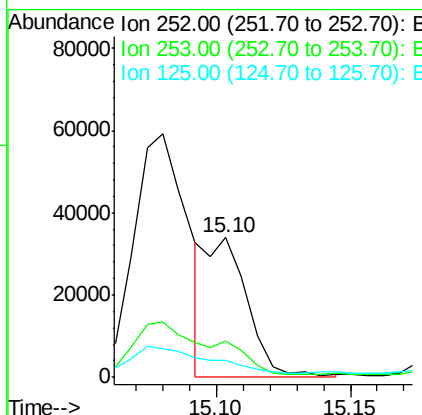
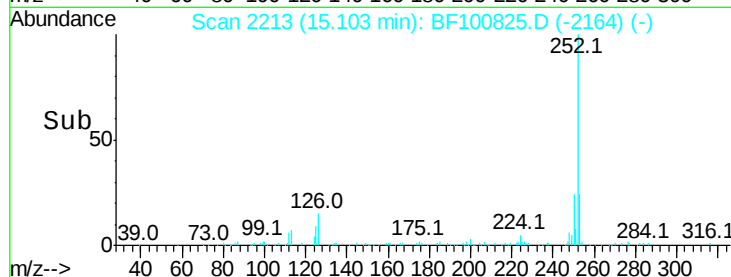
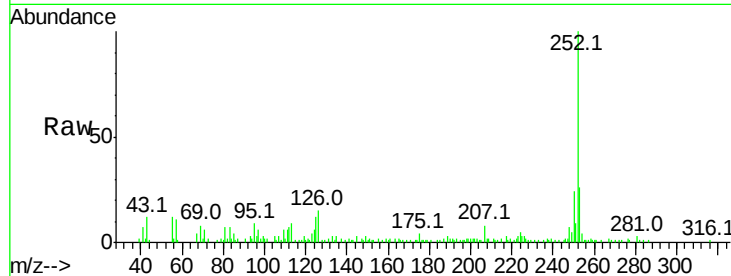
#88
Benzo(k)fluoranthene
Concen: 4.093 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF100825.D
Acq: 22 Nov 2017 14:39

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	11.9	10.2	15.2

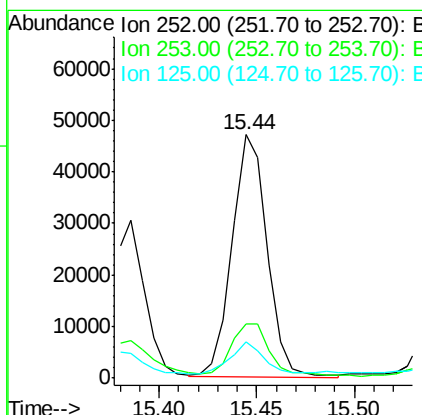
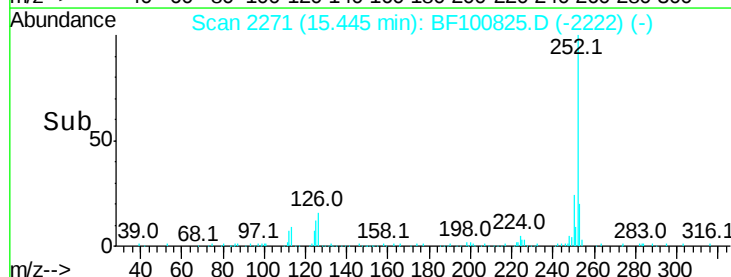
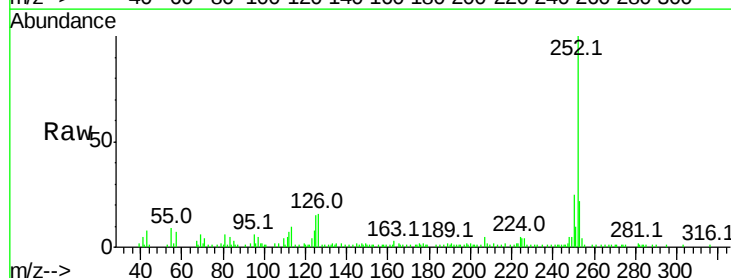
Manual Integrations
APPROVED

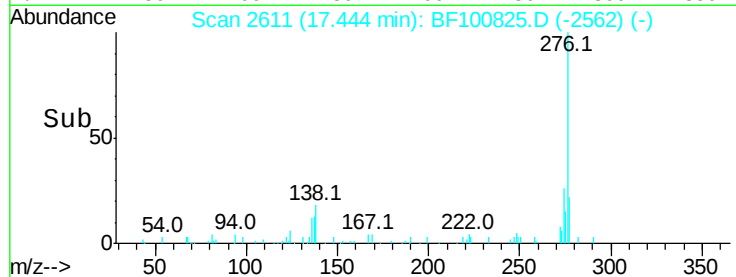
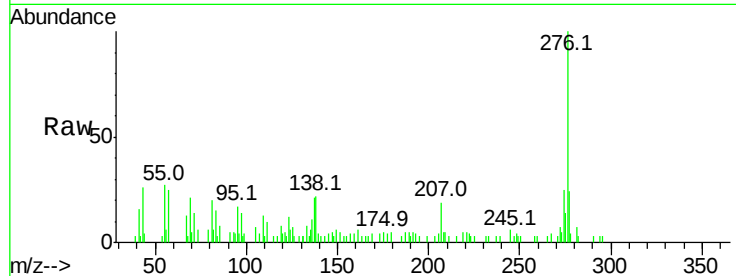
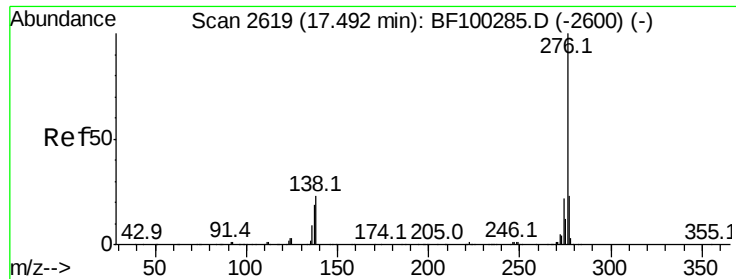
Sohil
11/27/2017 3:19:34 PM



#89
Benzo(a)pyrene
Concen: 7.009 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF100825.D
Acq: 22 Nov 2017 14:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	14.7	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.864 ng

RT: 17.44 min Scan# 2611

Delta R.T. -0.01 min

Lab File: BF100825.D

Acq: 22 Nov 2017 14:39

Instrument :

BNA_F

ClientSampleId :

PL-02-112017-A

Tot Ion:	276	Resp:	25844
Ion Ratio	Lower	Upper	
276	100		
277	24.2	17.9	26.9
138	22.1	21.8	32.8

Manual Integrations
APPROVED

Sohil
11/27/2017 3:19:34 PM

