

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100846.D
 Acq On : 23 Nov 2017 1:41
 Operator : SJ/JU
 Sample : I6548-08 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(0-1)

Manual Integrations
 APPROVED

Sohil
 11/27/2017 3:20:38 PM

Quant Time: Nov 27 04:01:49 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	6.86	152	76243	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	296605	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	133122	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	235128	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	147828	20.00	ng	-0.02
86) Perylene-d12	15.50	264	169209	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	37744	7.94	ng	-0.02
7) Phenol-d6	6.48	99	46119	7.86	ng	-0.03
23) Nitrobenzene-d5	7.42	82	26872	5.99	ng	-0.04
41) 2,4,6-Tribromophenol	10.68	330	10872	8.01	ng	-0.03
44) 2-Fluorobiphenyl	9.21	172	62952	7.20	ng	-0.03
78) Terphenyl-d14	12.96	244	43750	6.80	ng	-0.02
Target Compounds						
70) Phenanthrene	11.40	178	50391	4.070	ng	Qvalue 95
74) Fluoranthene	12.60	202	79998	6.097	ng	93
77) Pyrene	12.83	202	79395	7.534	ng	98
80) Benzo(a)anthracene	14.01	228	35749	4.016	ng	97
82) Chrysene	14.04	228	32102	3.724	ng	95
85) Indeno(1,2,3-cd)pyrene	16.96	276	20202	2.897	ng	# 88
87) Benzo(b)fluoranthene	15.06	252	42277m	4.217	ng	
89) Benzo(a)pyrene	15.43	252	33665	3.788	ng	96
91) Benzo(g,h,i)perylene	17.42	276	18461	2.595	ng	# 90

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

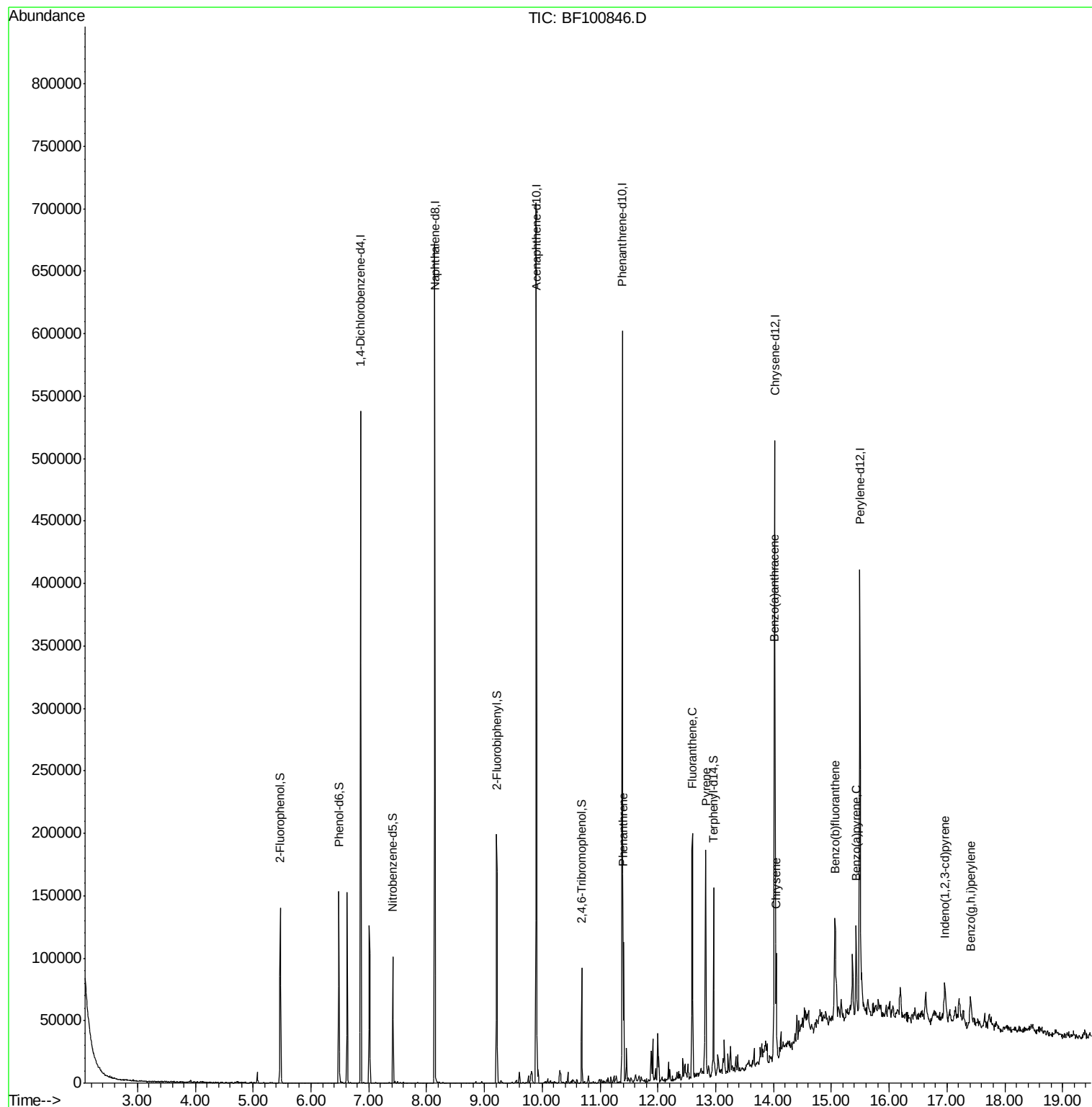
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
Data File : BF100846.D
Acq On : 23 Nov 2017 1:41
Operator : SJ/JU
Sample : I6548-08 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

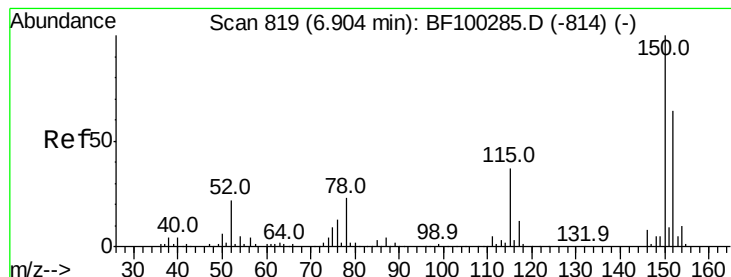
Instrument :
BNA_F
ClientSampleId :
SAU-4-E(0-1)

Manual Integrations
APPROVED

Sohil
11/27/2017 3:20:38 PM

Quant Time: Nov 27 04:01:49 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





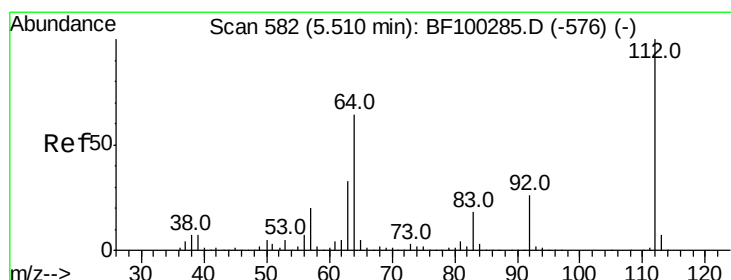
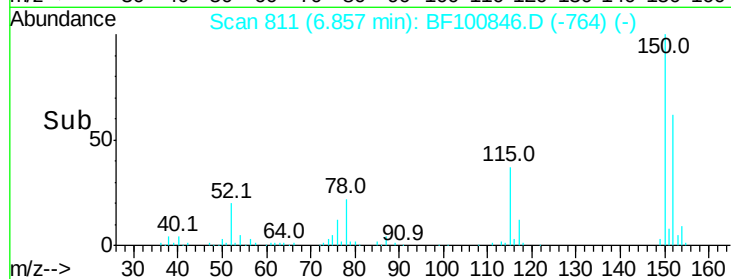
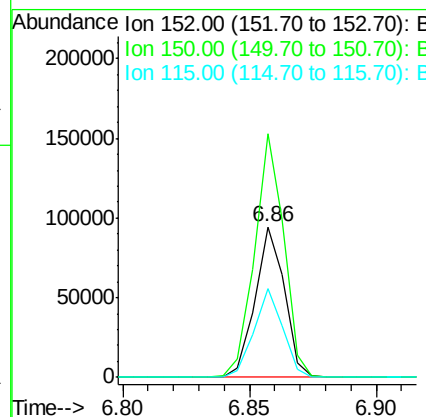
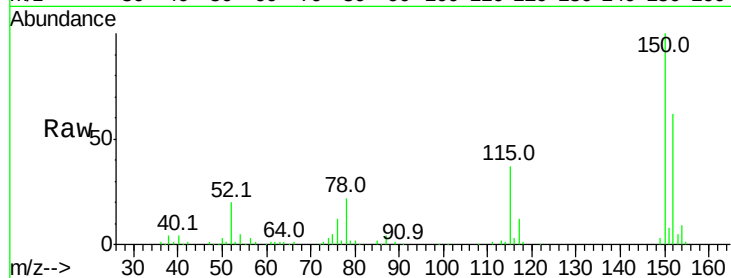
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF100846.D
 Acq: 23 Nov 2017 1:41

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.1	124.6	186.8
115	59.3	50.1	75.1

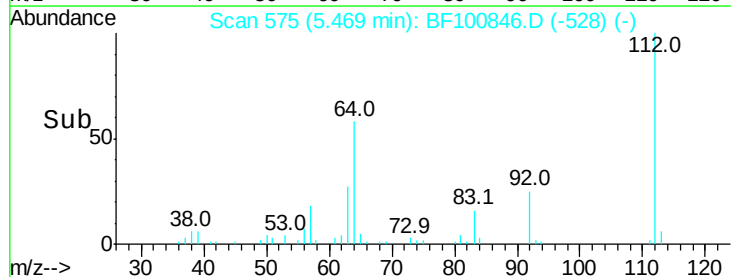
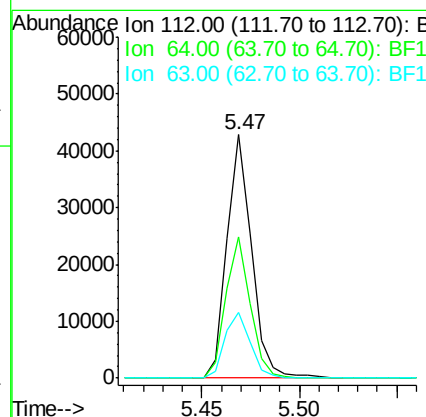
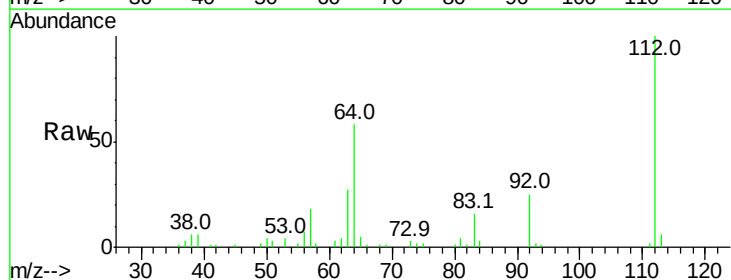
Manual Integrations
 APPROVED

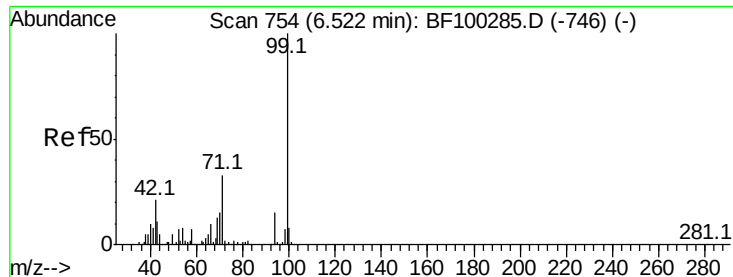
Sohil
 11/27/2017 3:20:38 PM



#5
 2-Fluorophenol
 Concen: 7.936 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.02 min
 Lab File: BF100846.D
 Acq: 23 Nov 2017 1:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.9	71.9
63	27.2	23.7	35.5





#7

Phenol-d6

Concen: 7.863 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Instrument :

BNA_F

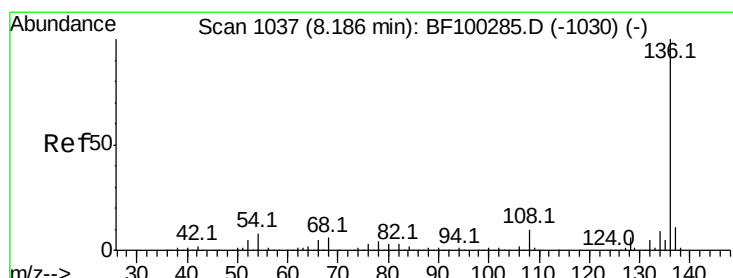
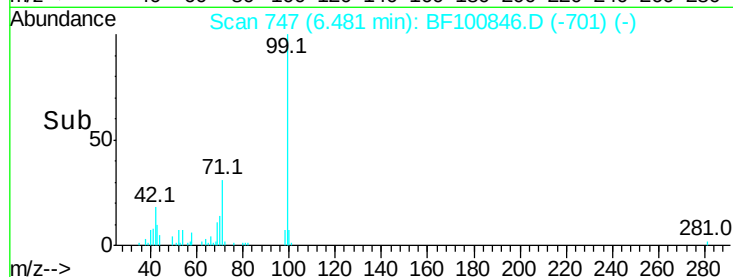
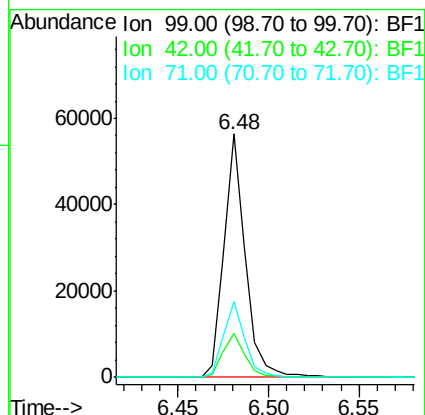
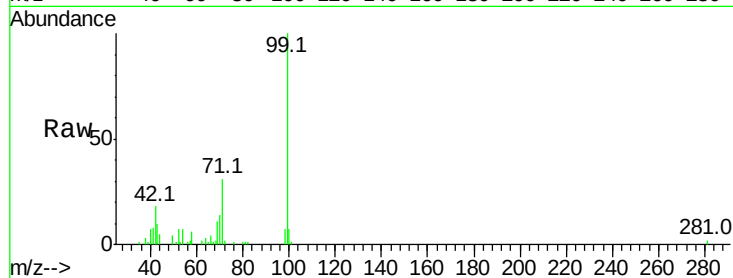
ClientSampleId :

SAU-4-E(0-1)

Tot Ion:	99	Resp:	46119
Ion Ratio	Lower	Upper	
99	100		
42	18.2	14.5	21.7
71	31.1	25.4	38.0

Manual Integrations
APPROVED

Sohil
11/27/2017 3:20:38 PM



#21

Naphthalene-d8

Concen: 20.000 ng

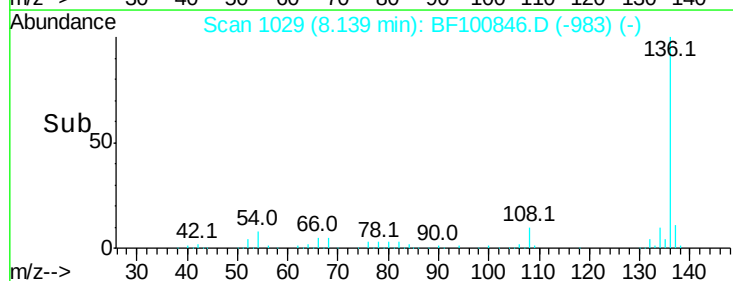
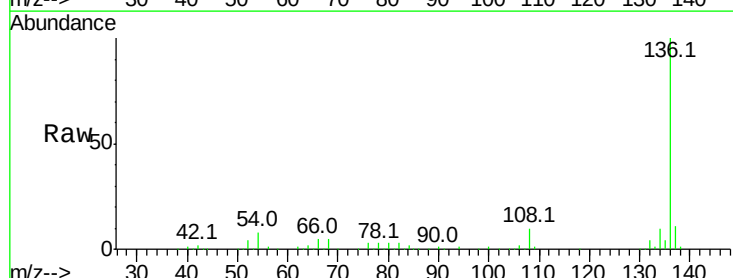
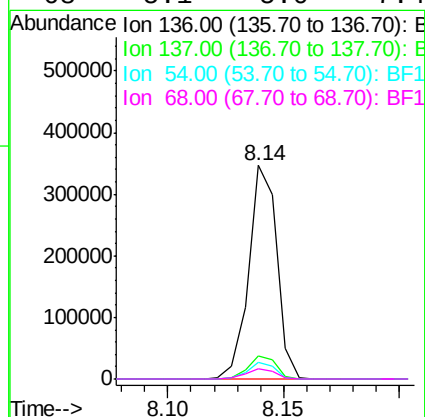
RT: 8.14 min Scan# 1029

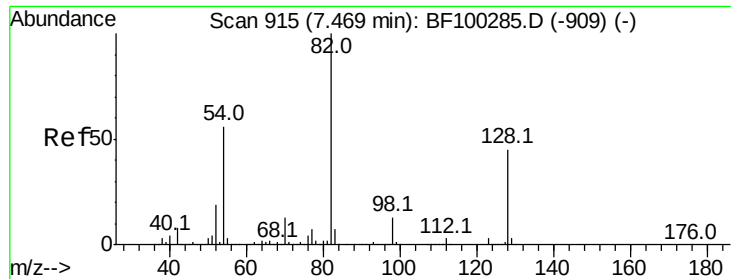
Delta R.T. -0.03 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Tgt Ion:	136	Resp:	296605
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.8	6.6	9.8
68	5.1	5.0	7.4





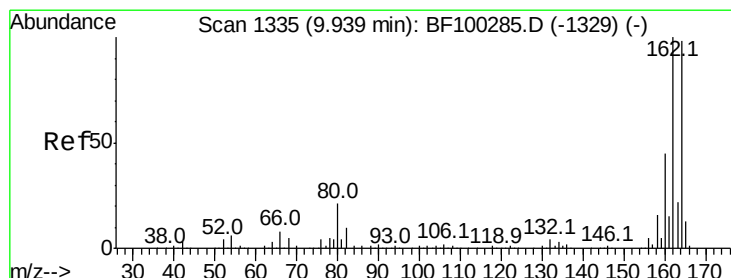
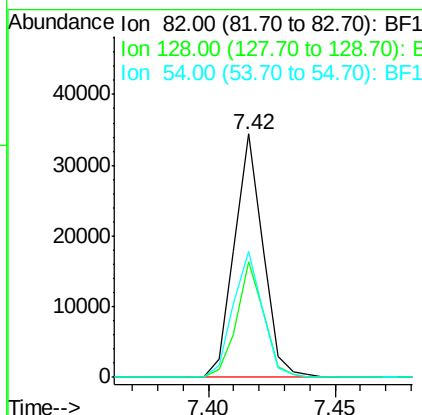
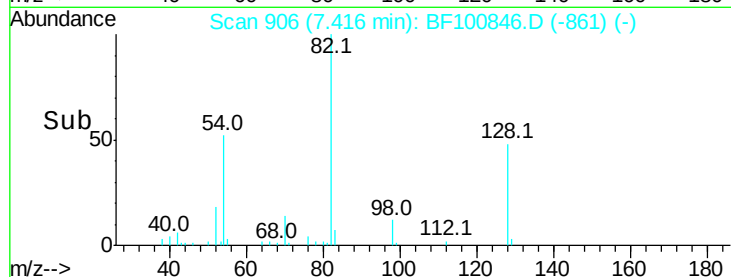
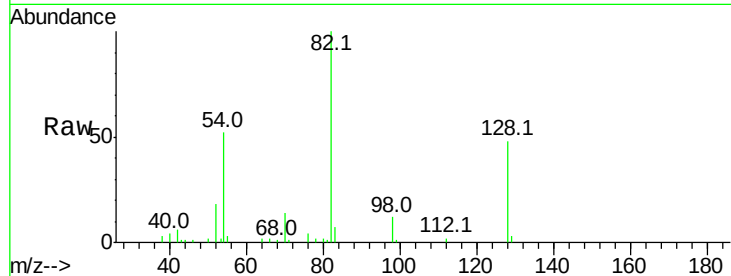
#23
 Nitrobenzene-d5
 Concen: 5.990 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.04 min
 Lab File: BF100846.D
 Acq: 23 Nov 2017 1:41

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(0-1)

Tot Ion:	82	Resp:	26872
Ion Ratio	Lower	Upper	
82	100		
128	47.6	36.1	54.1
54	51.6	41.4	62.2

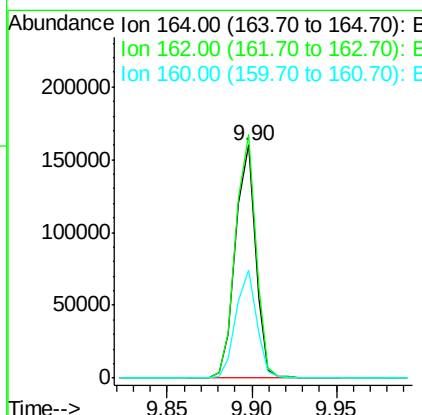
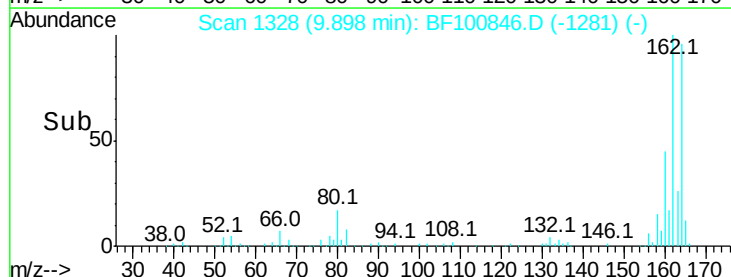
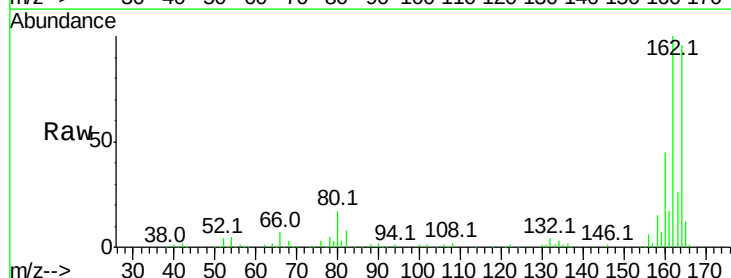
Manual Integrations
 APPROVED

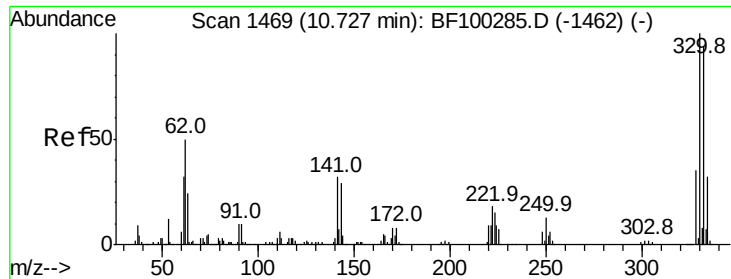
Sohil
 11/27/2017 3:20:38 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: BF100846.D
 Acq: 23 Nov 2017 1:41

Tgt Ion:	164	Resp:	133122
Ion Ratio	Lower	Upper	
164	100		
162	104.5	86.1	129.1
160	46.6	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 8.015 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.03 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Instrument :

BNA_F

ClientSampled :

SAU-4-E(0-1)

Tot Ion:330 Resp: 10872

Ion Ratio Lower Upper

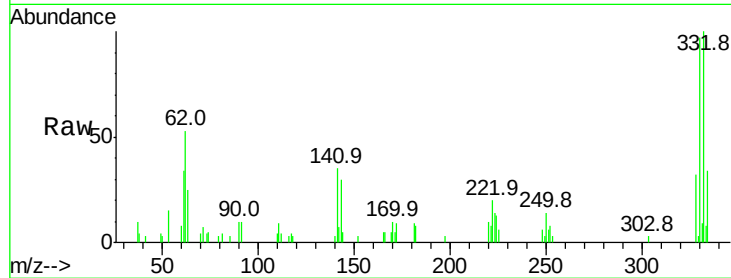
330 100

332 96.5 77.0 115.6

141 29.7 29.9 44.9#

Manual Integrations
APPROVED

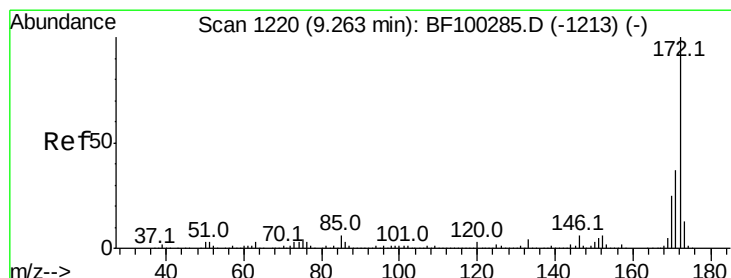
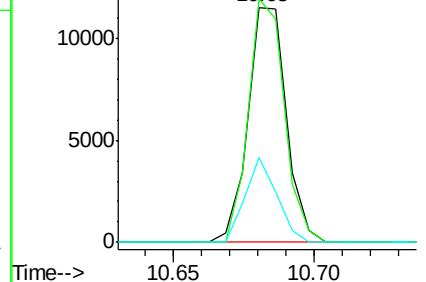
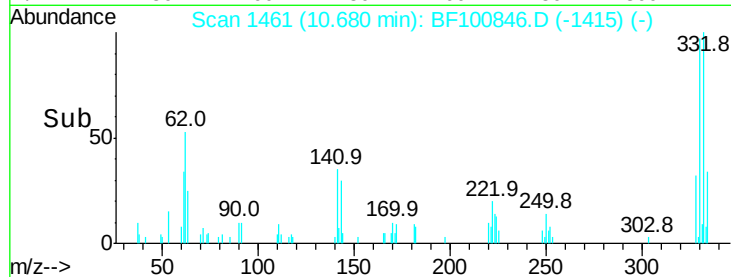
Sohil
11/27/2017 3:20:38 PM



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: 7.201 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.03 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

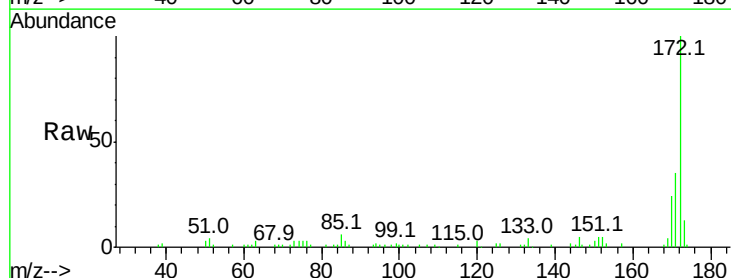
Tgt Ion:172 Resp: 62952

Ion Ratio Lower Upper

172 100

171 34.8 29.7 44.5

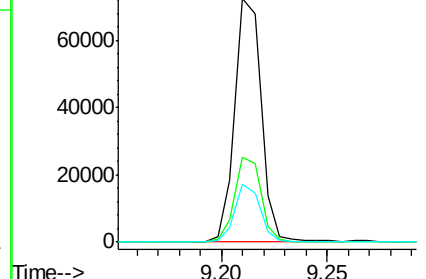
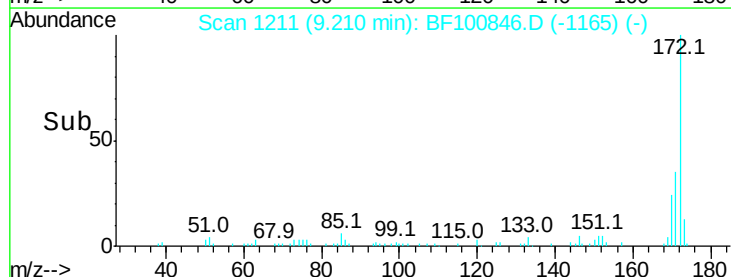
170 24.0 19.6 29.4

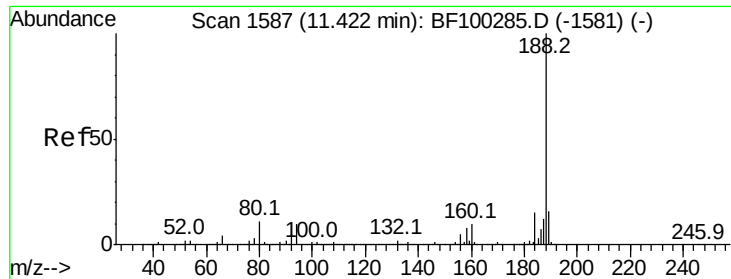


Abundance Ion 172.00 (171.70 to 172.70): E

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: 11.38 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Instrument :

BNA_F

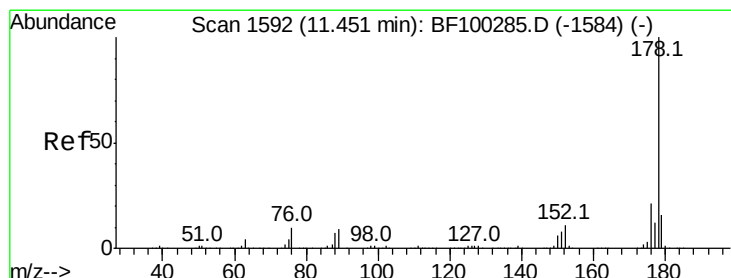
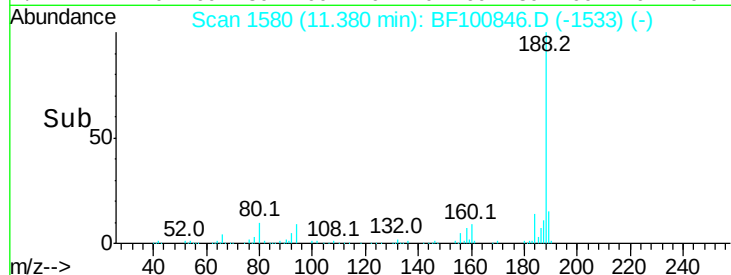
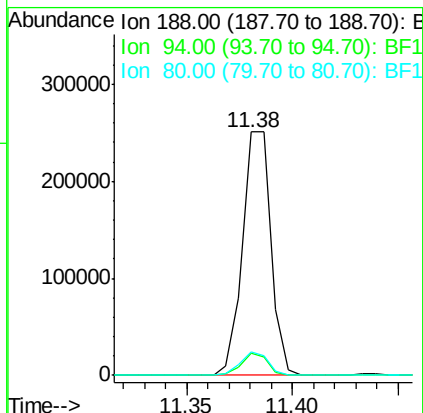
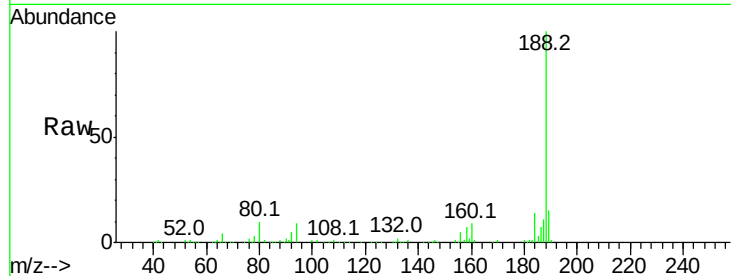
ClientSampleId :

SAU-4-E(0-1)

Tot Ion:	188	Resp:	235128
Ion Ratio	Lower	Upper	
188	100		
94	9.1	8.5	12.7
80	9.7	9.2	13.8

Manual Integrations
APPROVED

Sohil
11/27/2017 3:20:38 PM



#70

Phenanthrene

Concen: 4.070 ng

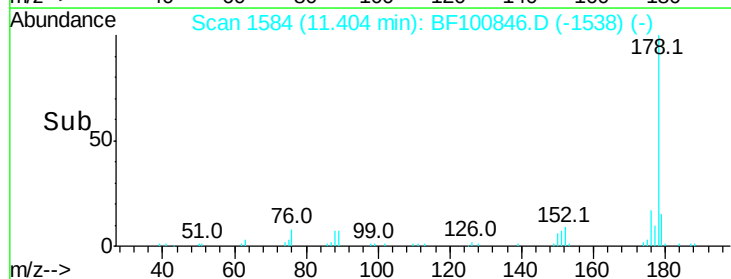
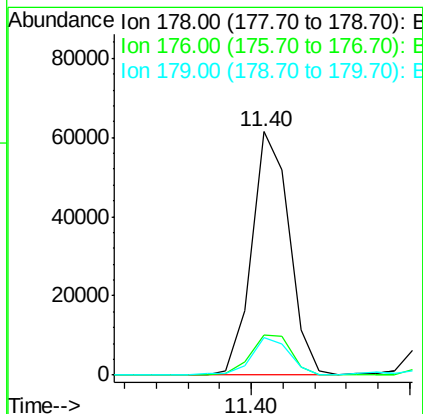
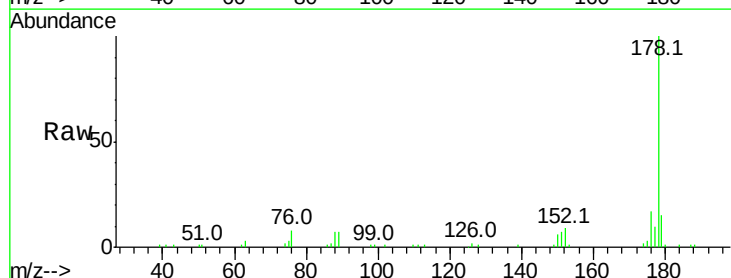
RT: 11.40 min Scan# 1584

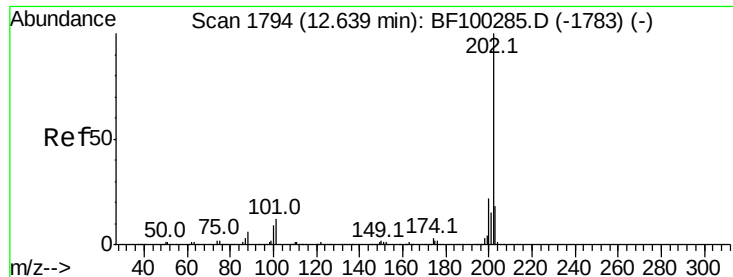
Delta R.T. -0.03 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Tgt Ion:	178	Resp:	50391
Ion Ratio	Lower	Upper	
178	100		
176	16.6	15.8	23.8
179	15.5	13.0	19.6





#74

Fluoranthene

Concen: 6.097 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Instrument :

BNA_F

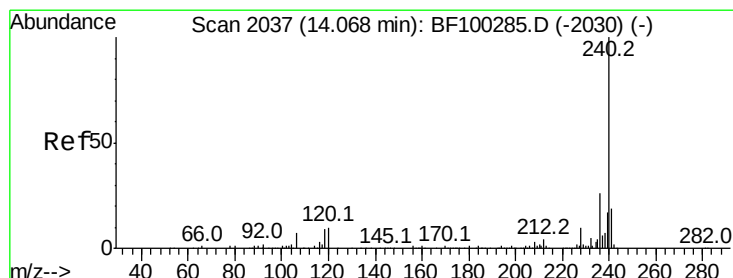
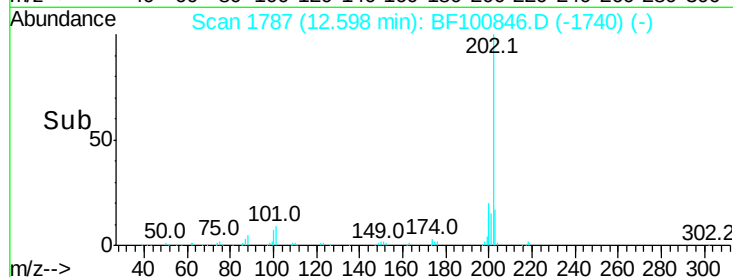
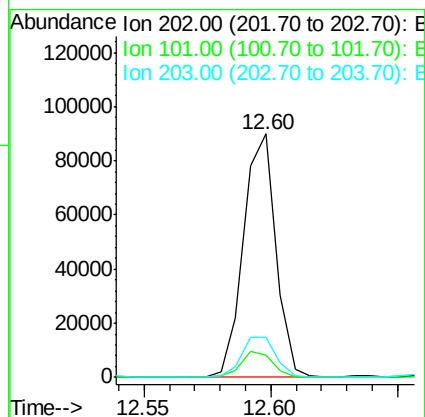
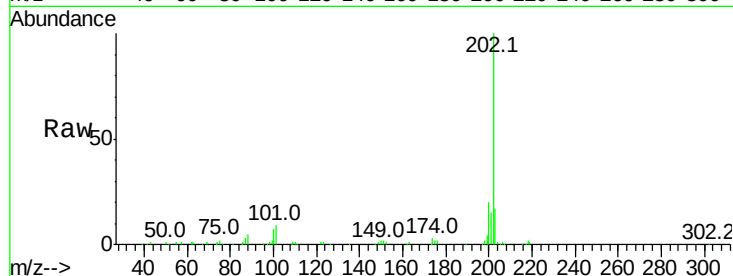
ClientSampleId :

SAU-4-E(0-1)

Tot Ion:	202	Resp:	79998
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	34.1
203	16.6	0.0	38.1

Manual Integrations
APPROVED

Sohil
11/27/2017 3:20:38 PM



#75

Chrysene-d12

Concen: 20.000 ng

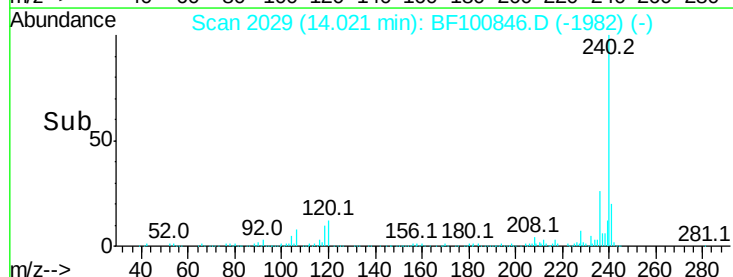
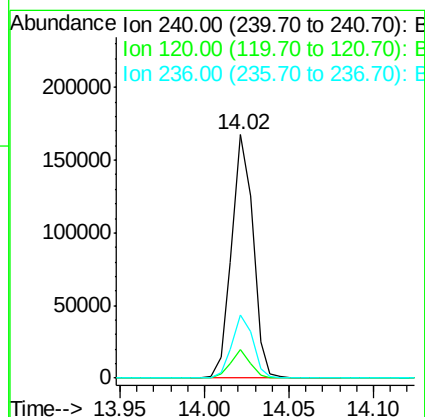
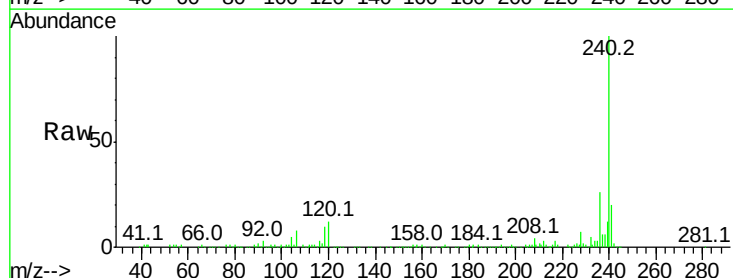
RT: 14.02 min Scan# 2029

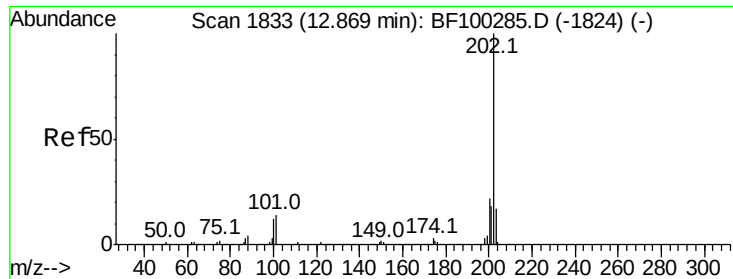
Delta R.T. -0.02 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Tgt Ion:	240	Resp:	147828
Ion Ratio	Lower	Upper	
240	100		
120	11.8	9.5	14.3
236	25.7	20.7	31.1





#77

Pvrene

Concen: 7.534 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Instrument :

BNA_F

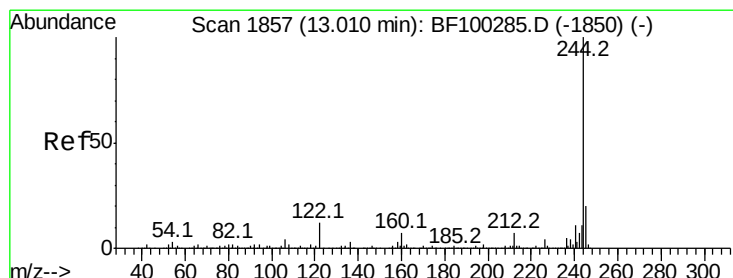
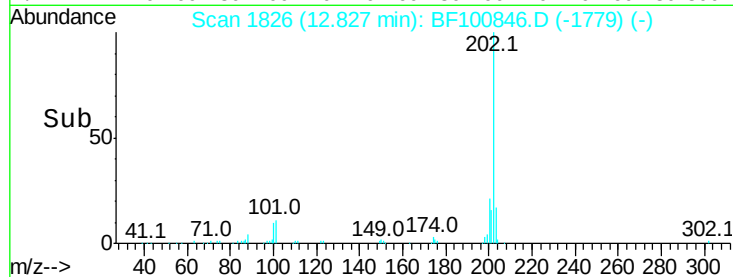
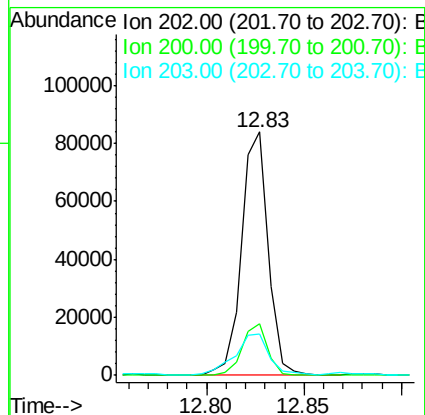
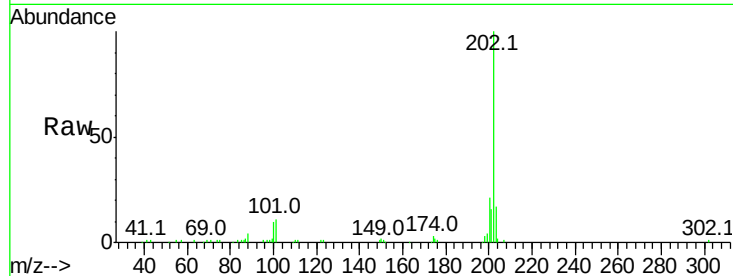
ClientSampleId :

SAU-4-E(0-1)

Tot Ion:	202	Resp:	79395
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.1	14.3	21.5

Manual Integrations
APPROVED

Sohil
11/27/2017 3:20:38 PM



#78

Terphenyl-d14

Concen: 6.800 ng

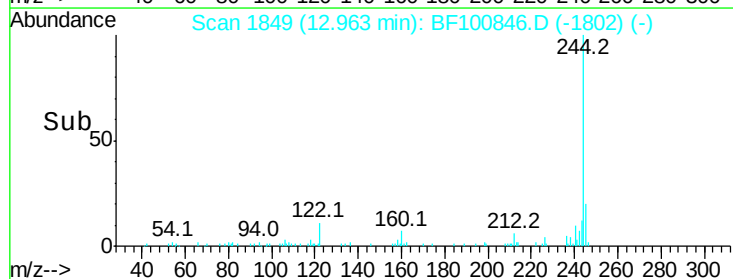
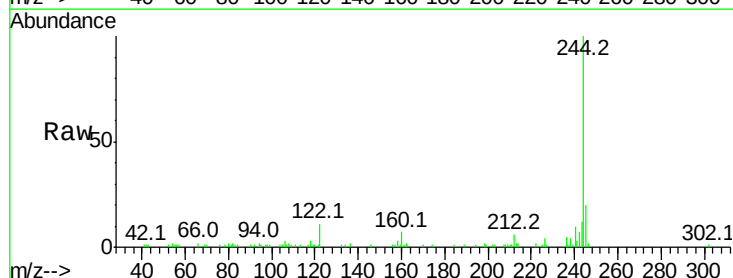
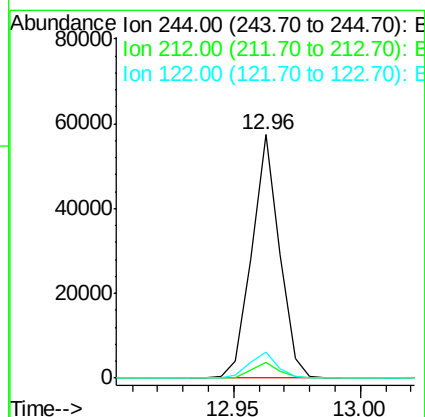
RT: 12.96 min Scan# 1849

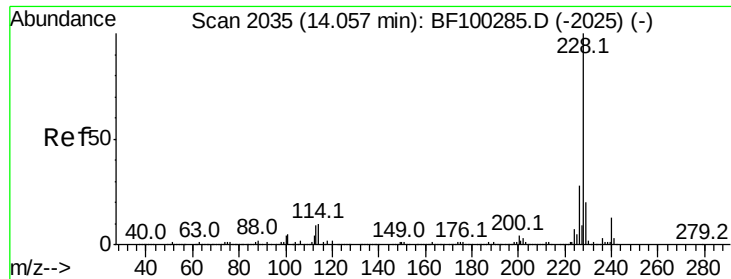
Delta R.T. -0.02 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Tgt Ion:	244	Resp:	43750
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.4	8.0
122	10.9	11.0	16.4#





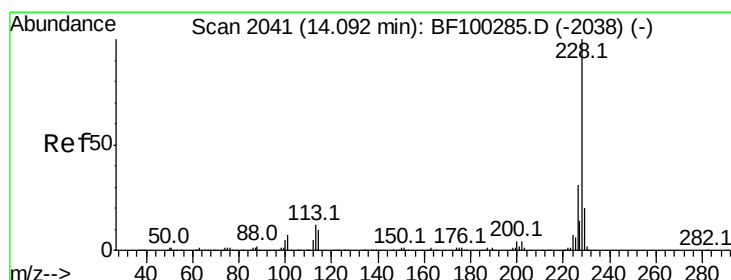
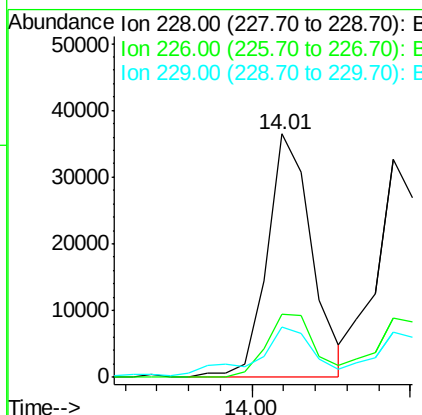
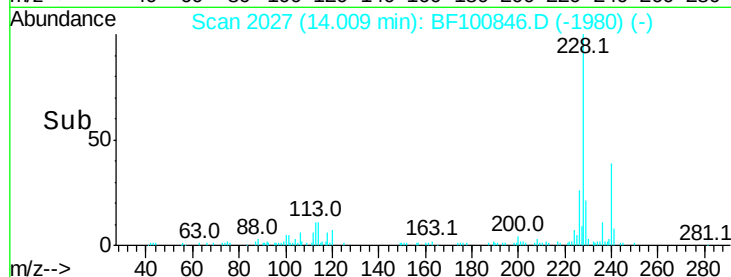
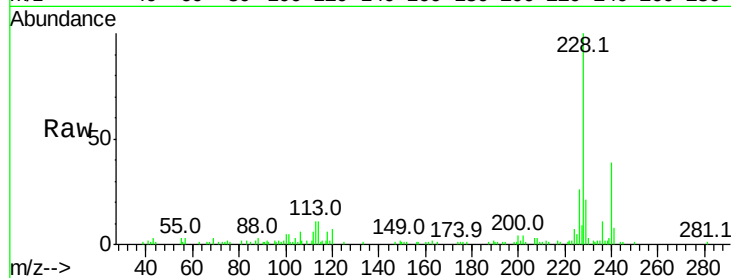
#80
Benzo(a)anthracene
Concen: 4.016 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Instrument :
BNA_F
ClientSampled :
SAU-4-E(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
228	100	35749		
226	26.1		22.6	33.8
229	20.8		15.8	23.6

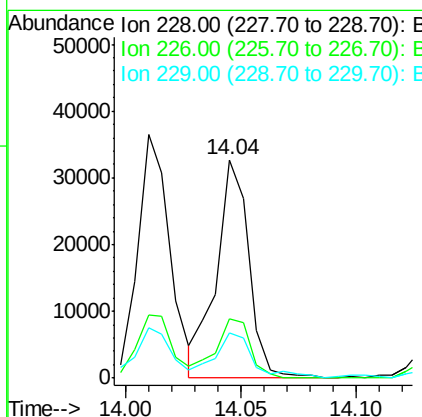
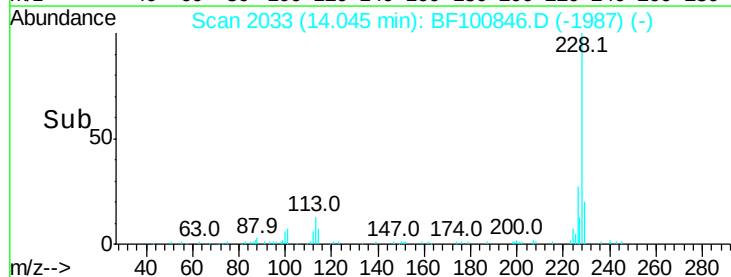
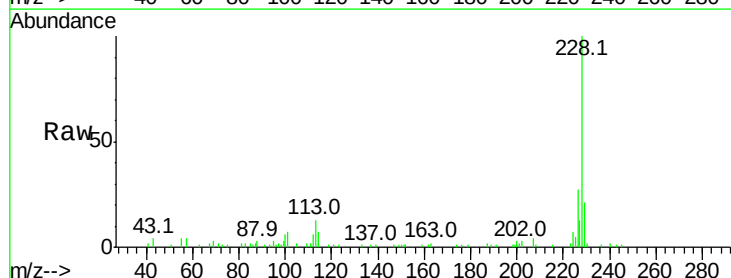
Manual Integrations
APPROVED

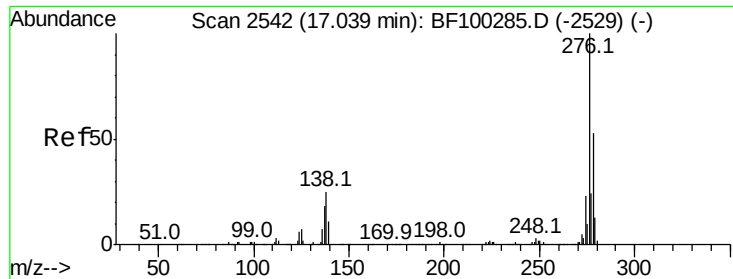
Sohil
11/27/2017 3:20:38 PM



#82
Chrysene
Concen: 3.724 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.03 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	32102		
226	27.0		25.0	37.6
229	20.9		16.2	24.4





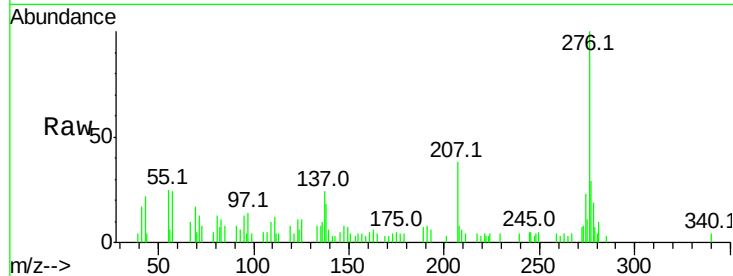
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.897 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.04 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	25.0	37.6#
277	28.8	20.1	30.1

Manual Integrations
APPROVED

Sohil
11/27/2017 3:20:38 PM

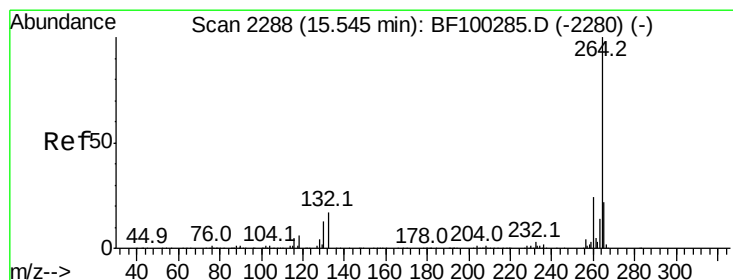
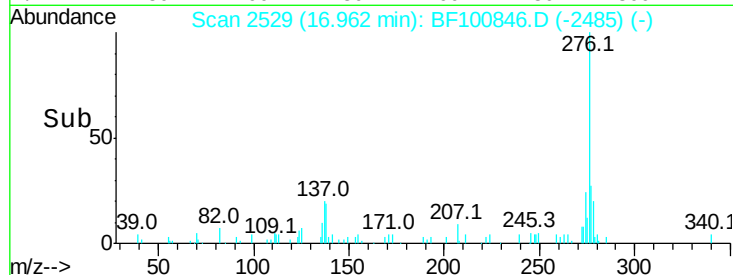
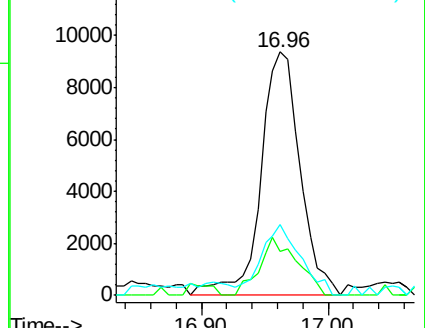


Abundance

Ion 276.00 (275.70 to 276.70): E

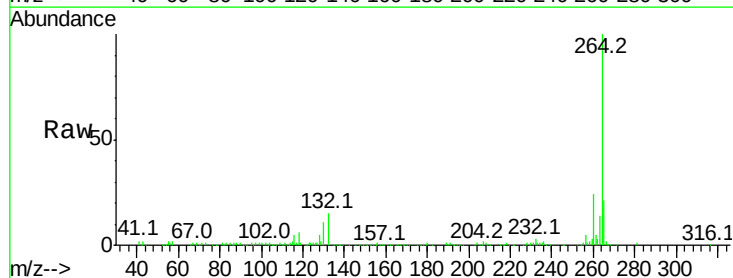
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.3	17.5	26.3

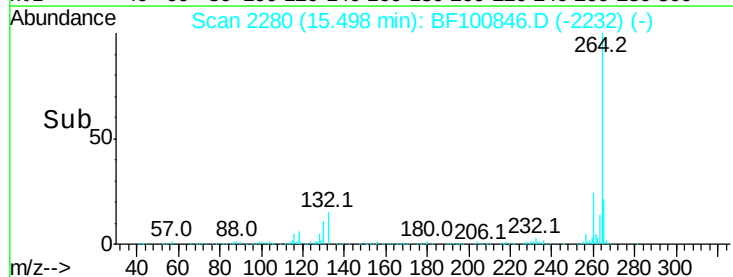
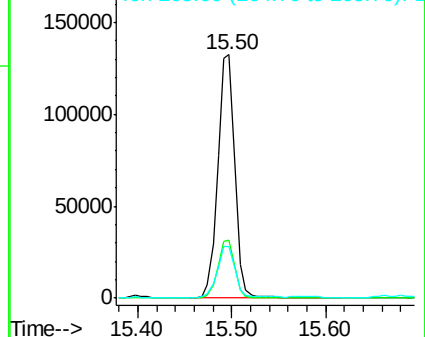


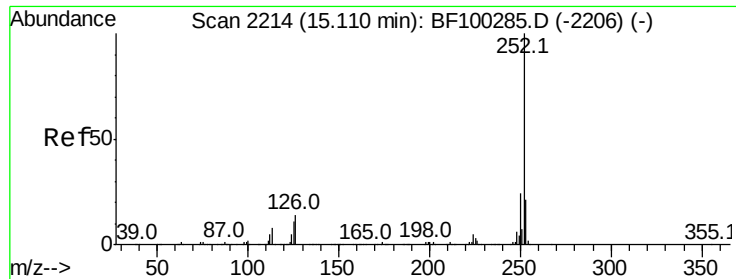
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





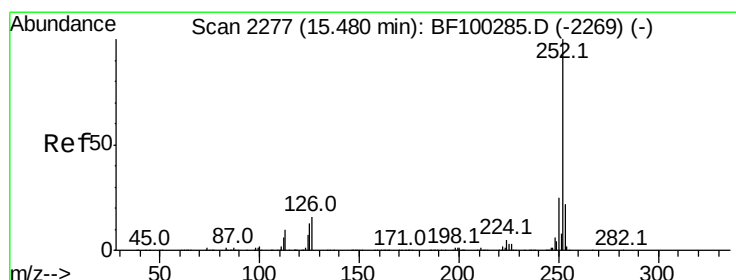
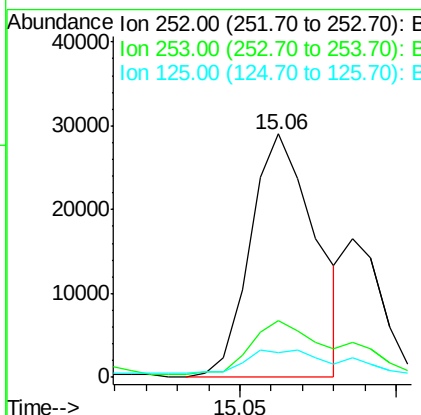
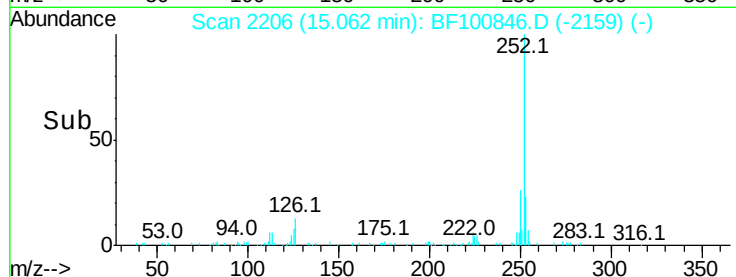
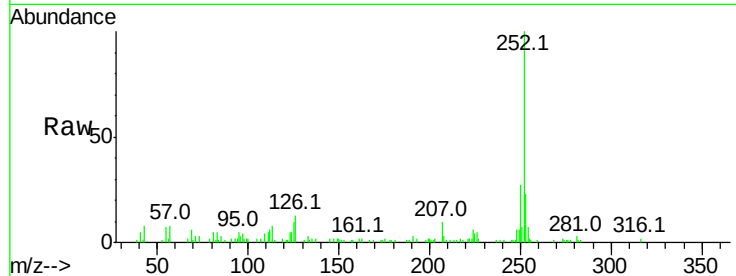
#87
Benzo(b)fluoranthene
Concen: 4.217 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(0-1)

Tot Ion:	252	Resp:	42277
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	10.3	9.0	13.6

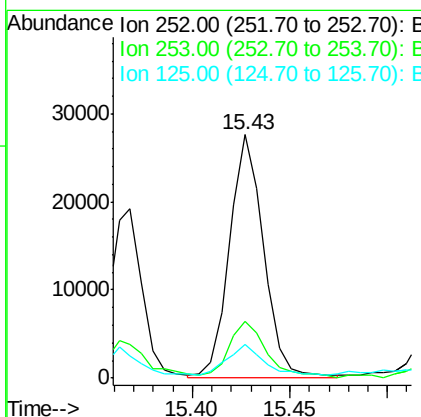
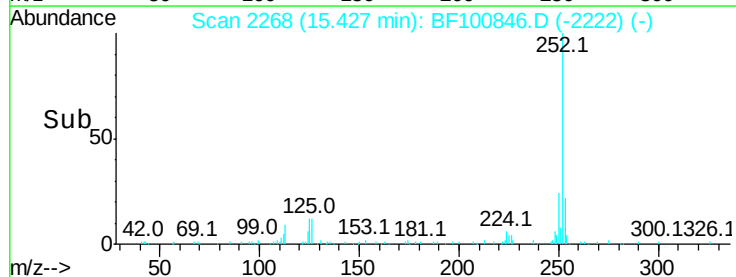
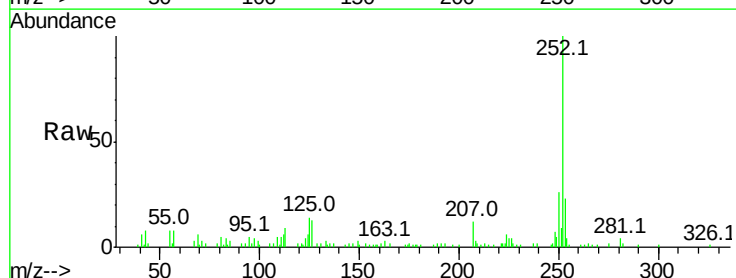
Manual Integrations
APPROVED

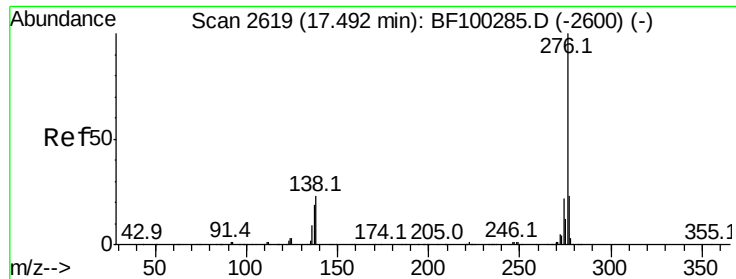
Sohil
11/27/2017 3:20:38 PM



#89
Benzo(a)pyrene
Concen: 3.788 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.03 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Tgt Ion:	252	Resp:	33665
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.1	25.7
125	13.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.595 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.04 min
 Lab File: BF100846.D
 Acq: 23 Nov 2017 1:41

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	19.3	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 11/27/2017 3:20:38 PM

