

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100794.D
 Acq On : 21 Nov 2017 21:27
 Operator : SJ/JU
 Sample : I6499-06 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PG1-4-E(0-1)

Manual Integrations
 APPROVED

Sohil
 11/22/2017 5:04:30 PM

Quant Time: Nov 22 06:50:21 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	78349	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	299403	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	129781	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	204706	20.00	ng	-0.01
75) Chrysene-d12	14.04	240	164284	20.00	ng	0.00
86) Perylene-d12	15.51	264	182494	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	127746	26.14	ng	-0.01
7) Phenol-d6	6.49	99	159657	26.49	ng	-0.02
23) Nitrobenzene-d5	7.43	82	94350	20.83	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	33706	25.49	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	213141	25.01	ng	-0.01
78) Terphenyl-d14	12.97	244	142889	19.98	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.77	152	38669	2.865	ng	98
70) Phenanthrene	11.42	178	209055	19.396	ng	99
71) Anthracene	11.47	178	44735	4.091	ng	98
74) Fluoranthene	12.61	202	530144	46.411	ng	97
77) Pyrene	12.84	202	501562	42.829	ng	100
80) Benzo(a)anthracene	14.03	228	293325	29.649	ng	97
82) Chrysene	14.06	228	279147	29.138	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	139361	17.985	ng	# 90
87) Benzo(b)fluoranthene	15.08	252	381994m	35.331	ng	
88) Benzo(k)fluoranthene	15.10	252	123976m	12.136	ng	
89) Benzo(a)pyrene	15.45	252	270206	28.190	ng	97
90) Dibenzo(a,h)anthracene	17.00	278	37246m	4.752	ng	
91) Benzo(a,h,i)perylene	17.44	276	115876m	15.101	ng	

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

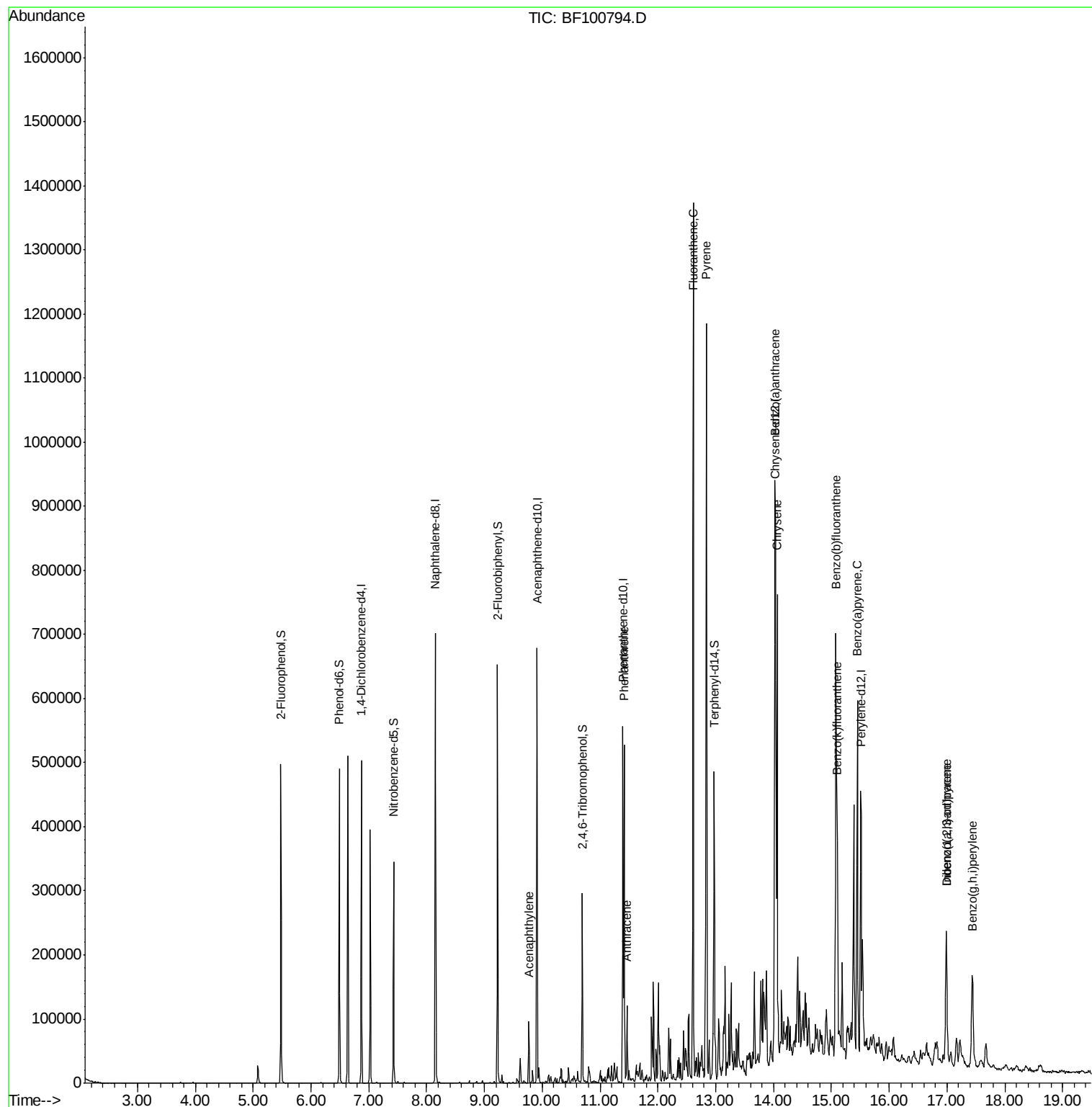
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100794.D
Acq On : 21 Nov 2017 21:27
Operator : SJ/JU
Sample : I6499-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

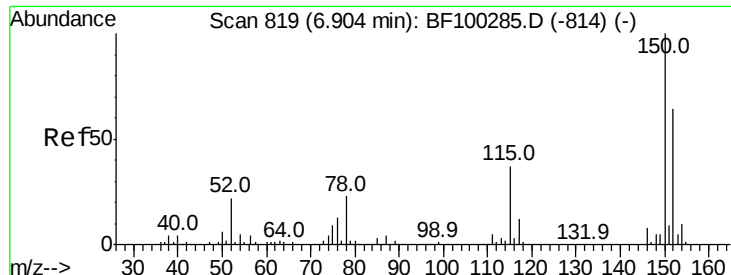
Instrument :
BNA_F
ClientSampleId :
PG1-4-E(0-1)

Manual Integrations
APPROVED

Sohil
11/22/2017 5:04:30 PM

Quant Time: Nov 22 06:50:21 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

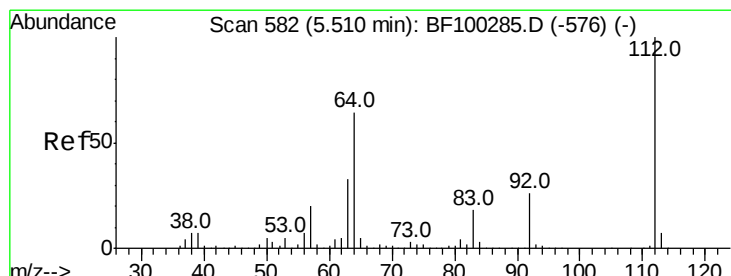
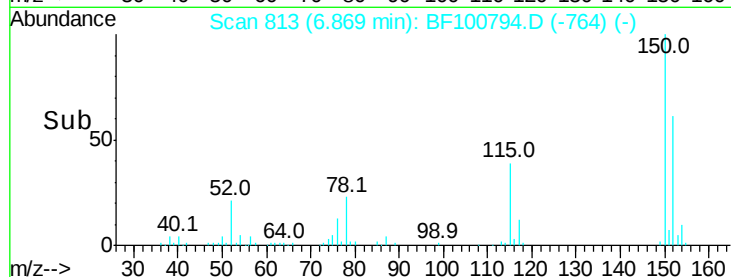
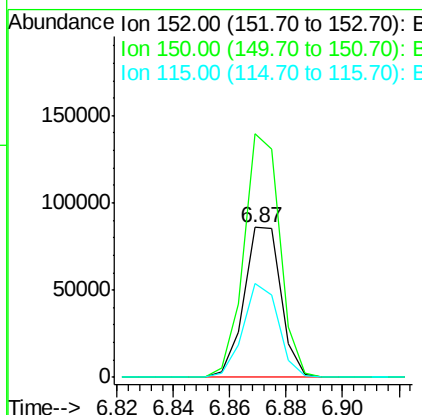
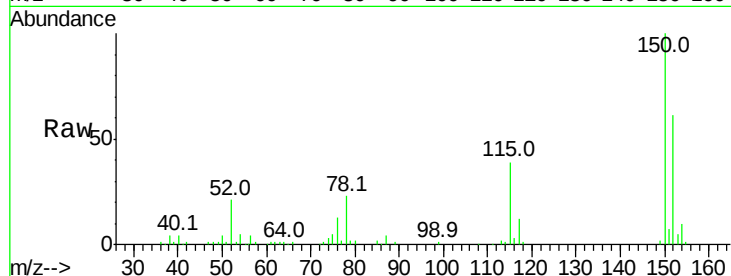
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Instrument :
BNA_F
ClientSampleId :
PG1-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.6	124.6	186.8
115	62.9	50.1	75.1

Manual Integrations
APPROVED

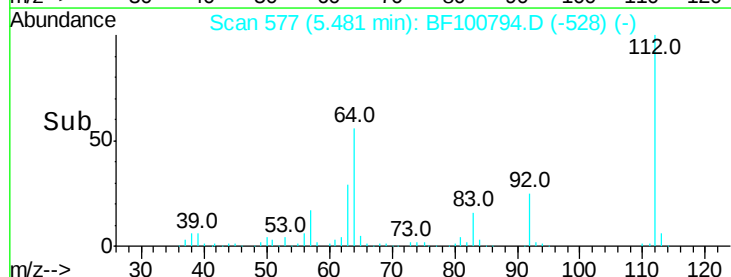
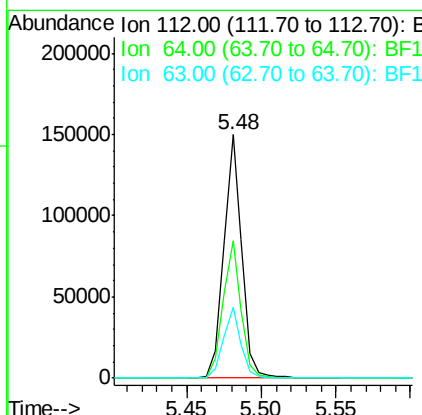
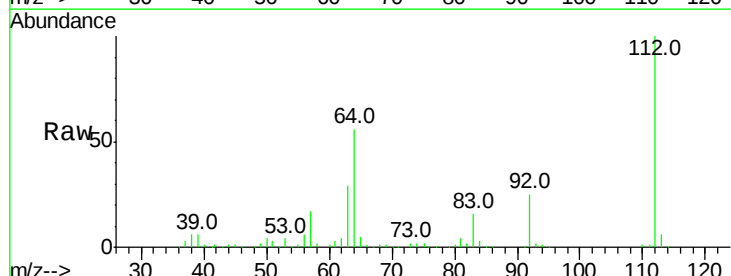
Sohil
11/22/2017 5:04:30 PM



#5

2-Fluorophenol
Concen: 26.136 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.9	71.9
63	29.1	23.7	35.5





#7

Phenol-d6

Concen: 26.490 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

Instrument :

BNA_F

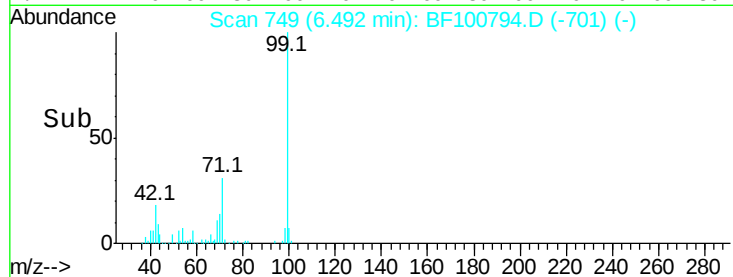
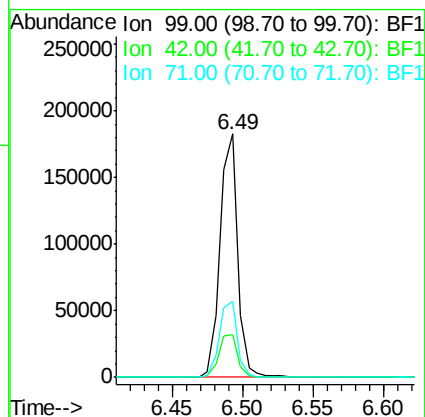
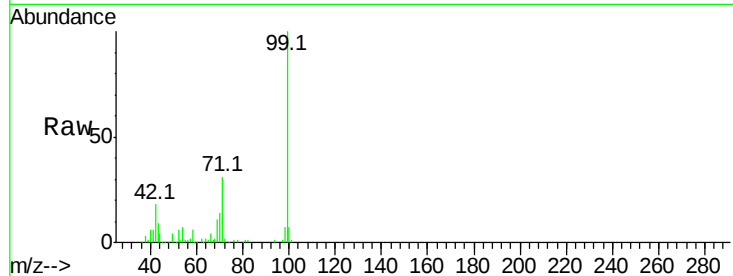
ClientSampled :

PG1-4-E(0-1)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		159657		
42	17.5	14.5	21.7		
71	31.1	25.4	38.0		

Manual Integrations
APPROVED

Sohil
11/22/2017 5:04:30 PM



#21

Naphthalene-d8

Concen: 20.000 ng

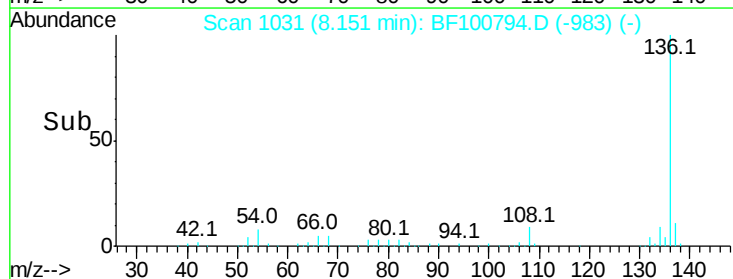
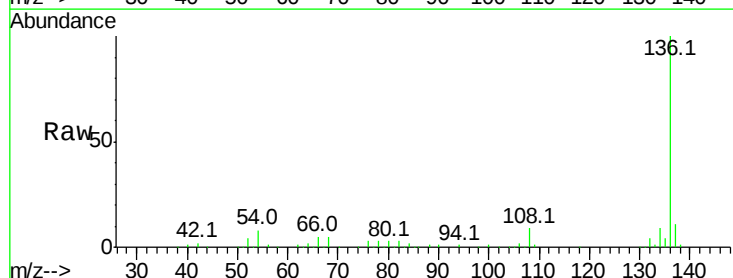
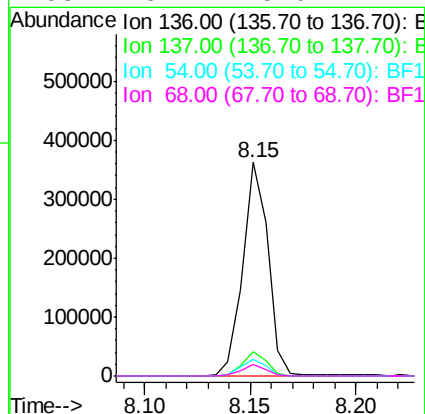
RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		299403		
137	11.2	8.9	13.3		
54	8.1	6.6	9.8		
68	5.4	5.0	7.4		





#23

Nitrobenzene-d5

Concen: 20.834 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.02 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

Instrument :

BNA_F

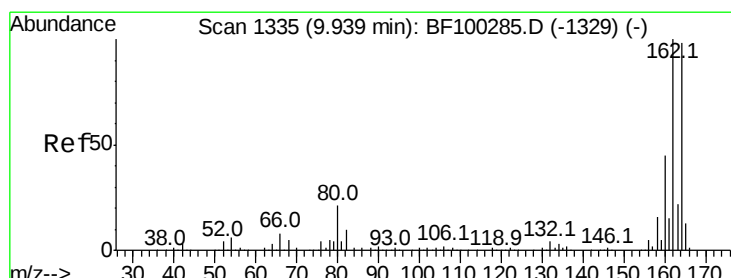
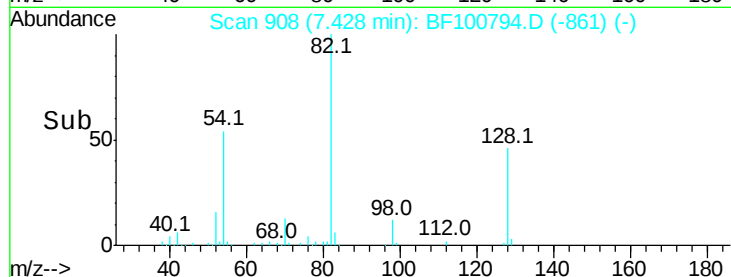
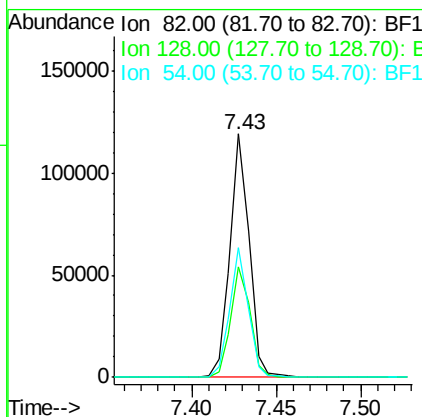
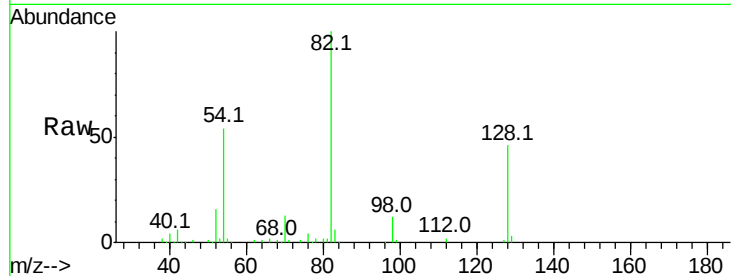
ClientSampleId :

PG1-4-E(0-1)

Tot Ion:	82	Resp:	94350
Ion Ratio	Lower	Upper	
82	100		
128	45.5	36.1	54.1
54	53.5	41.4	62.2

Manual Integrations
APPROVED

Sohil
11/22/2017 5:04:30 PM



#38

Acenaphthene-d10

Concen: 20.000 ng

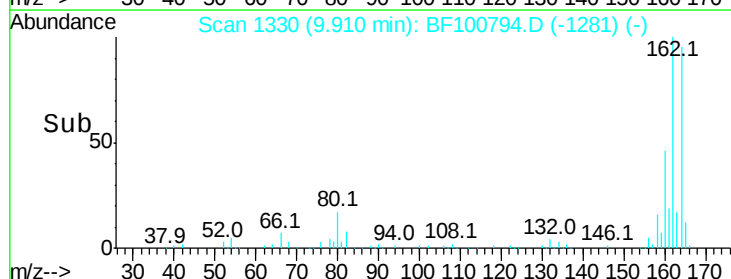
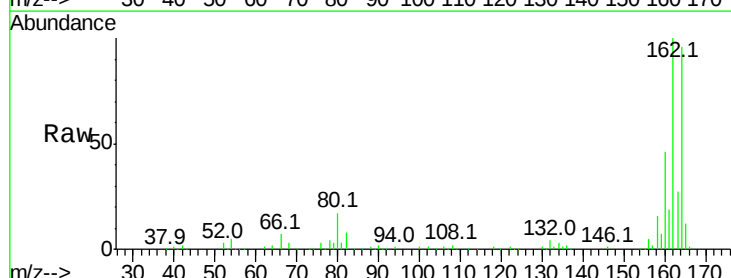
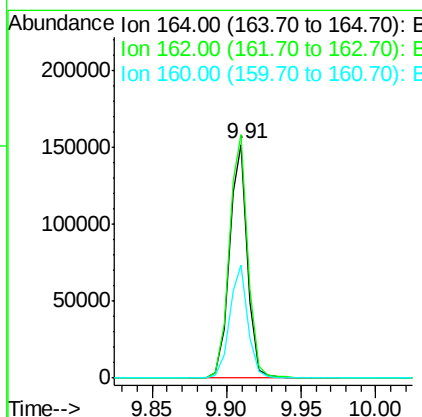
RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

Tgt Ion:	164	Resp:	129781
Ion Ratio	Lower	Upper	
164	100		
162	104.3	86.1	129.1
160	48.2	38.3	57.5





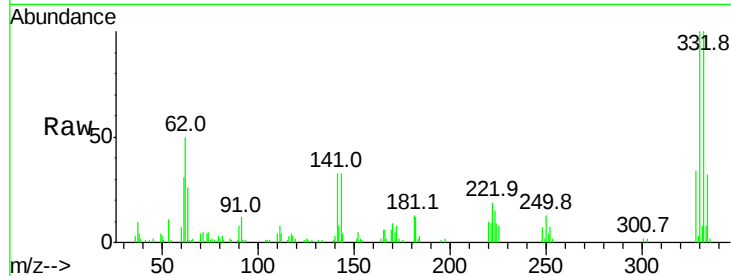
#41
 2,4,6-Tribromophenol
 Concen: 25.487 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.02 min
 Lab File: BF100794.D
 Acq: 21 Nov 2017 21:27

Instrument :
 BNA_F
 ClientSampleId :
 PG1-4-E(0-1)

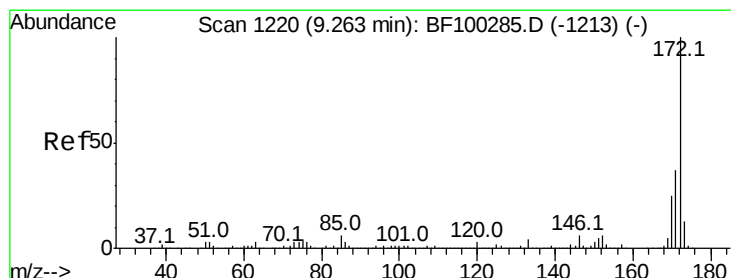
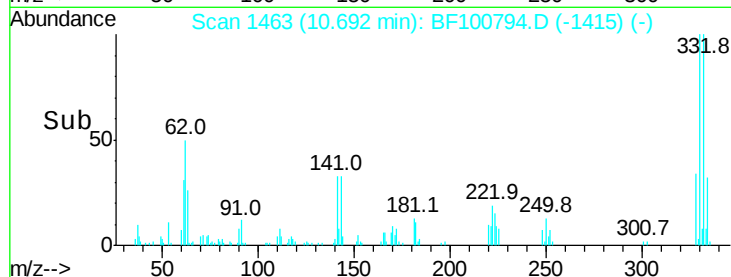
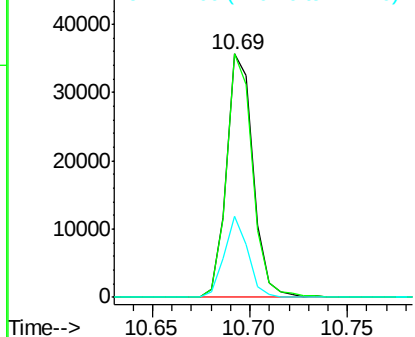
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.1	77.0	115.6	
141	29.6	29.9	44.9#	

Manual Integrations
 APPROVED

Sohil
 11/22/2017 5:04:30 PM



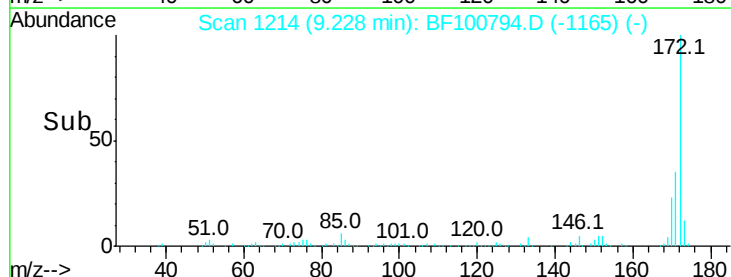
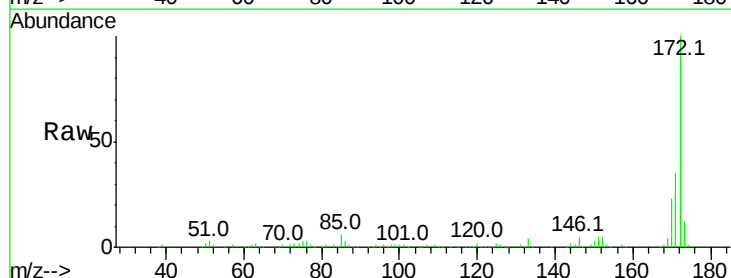
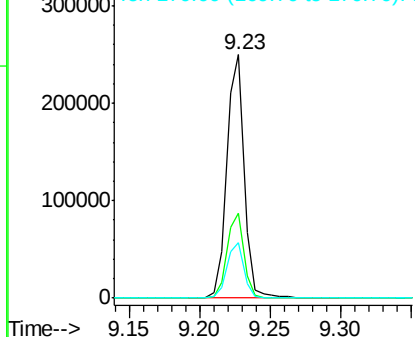
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

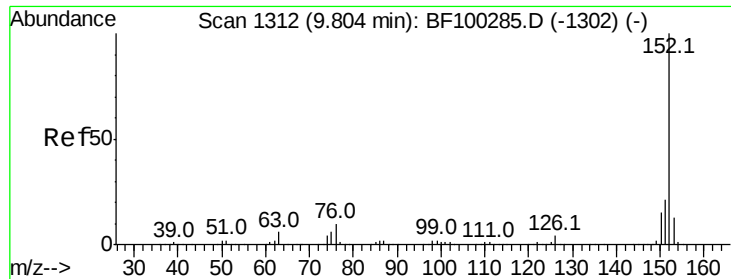


#44
 2-Fluorobiphenyl
 Concen: 25.008 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100794.D
 Acq: 21 Nov 2017 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.8	29.7	44.5	
170	22.6	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





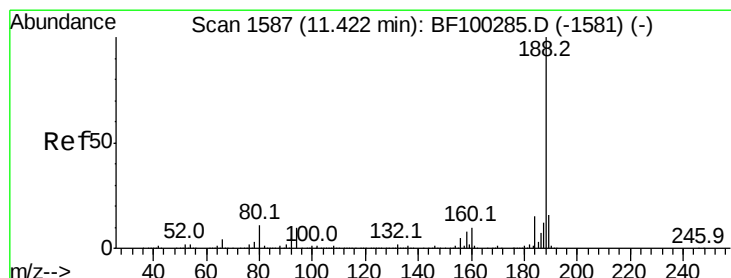
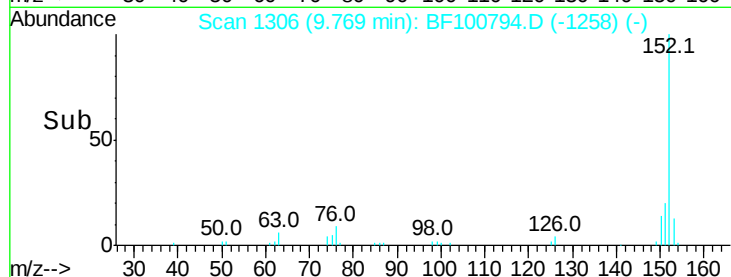
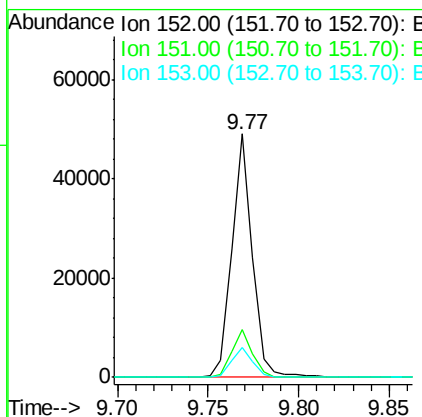
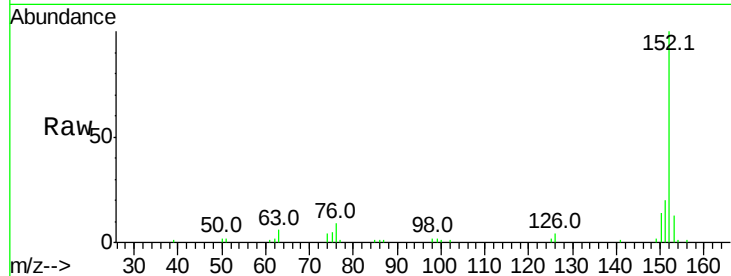
#48
Acenaphthylene
Concen: 2.865 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Instrument :
BNA_F
ClientSampleId :
PG1-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.3	24.5
153	12.5	10.7	16.1

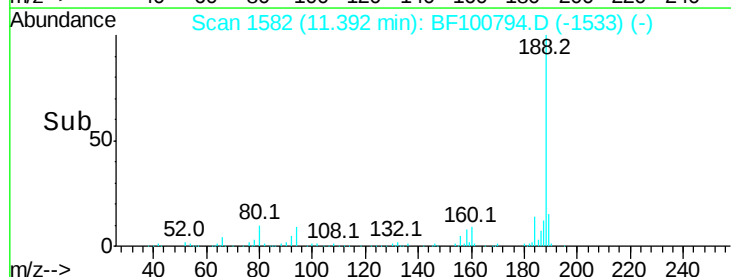
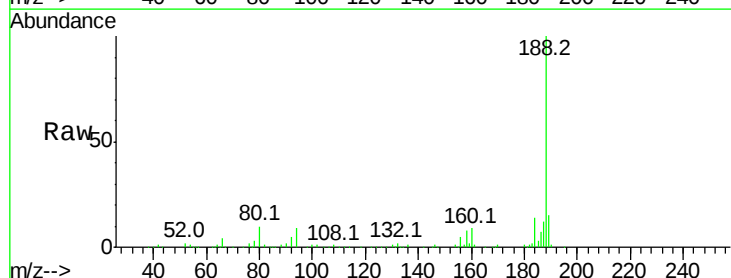
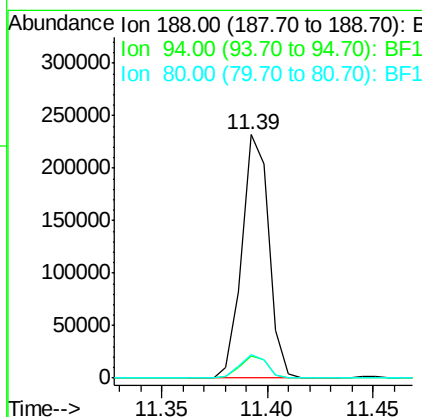
Manual Integrations
APPROVED

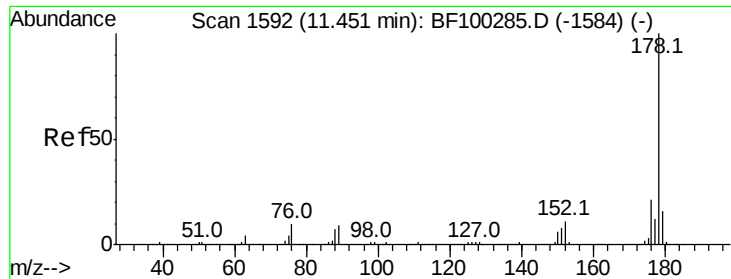
Sohil
11/22/2017 5:04:30 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	9.9	9.2	13.8





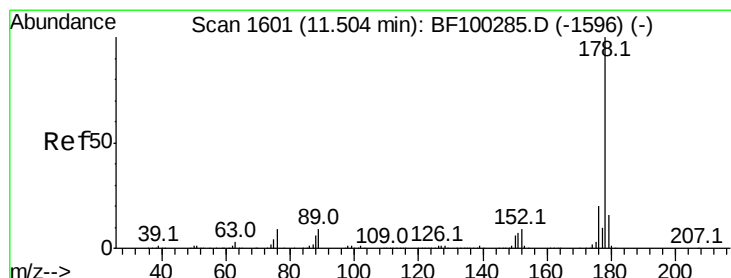
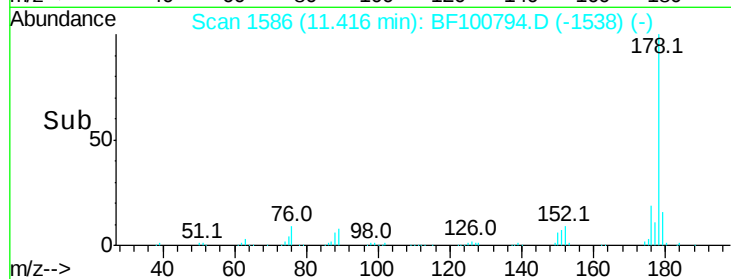
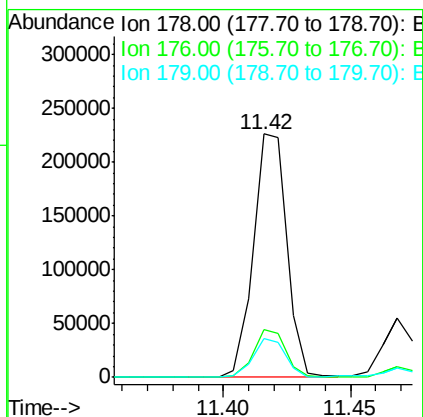
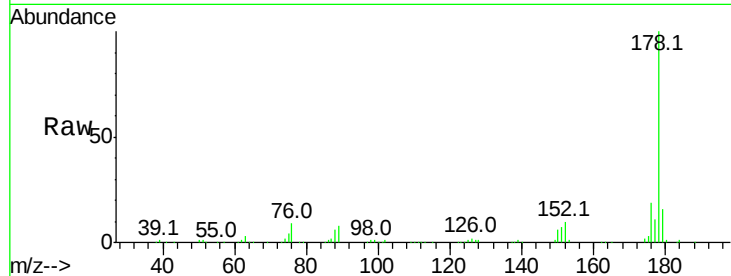
#70
Phenanthrene
Concen: 19.396 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Instrument :
BNA_F
ClientSampleId :
PG1-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.8	13.0	19.6

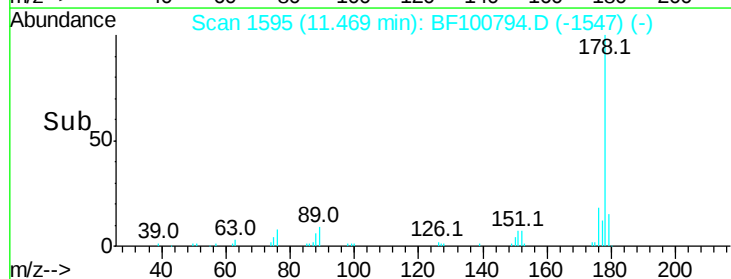
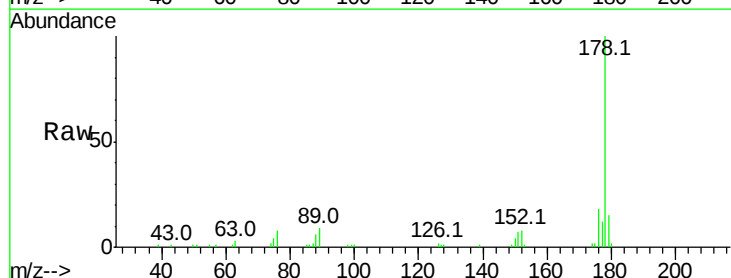
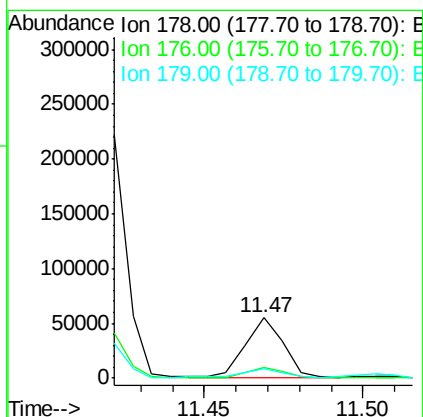
Manual Integrations
APPROVED

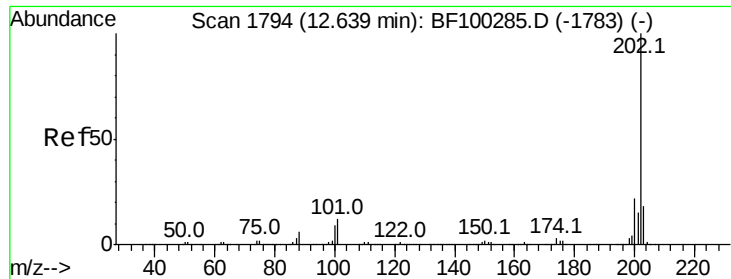
Sohil
11/22/2017 5:04:30 PM



#71
Anthracene
Concen: 4.091 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.02 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.1	12.6	19.0





#74

Fluoranthene

Concen: 46.411 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

Instrument :

BNA_F

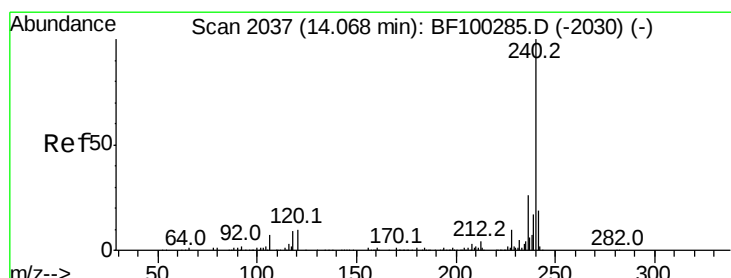
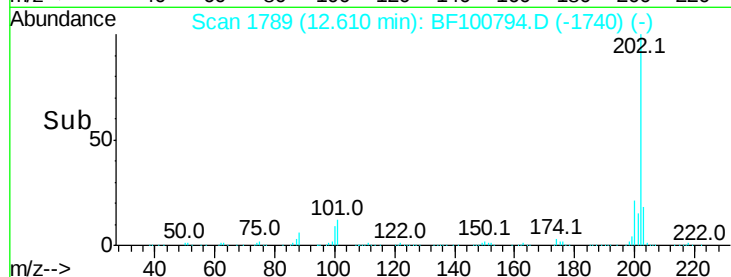
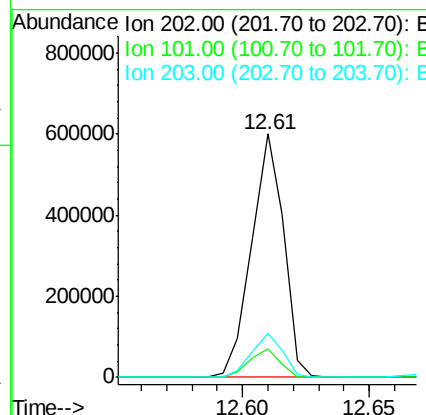
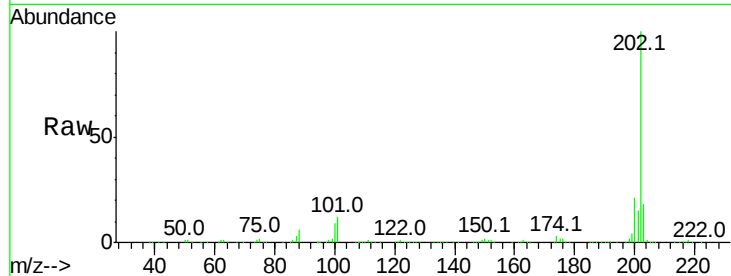
ClientSampleId :

PG1-4-E(0-1)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.9	0.0	38.1

Manual Integrations
APPROVED

Sohil
11/22/2017 5:04:30 PM



#75

Chrysene-d12

Concen: 20.000 ng

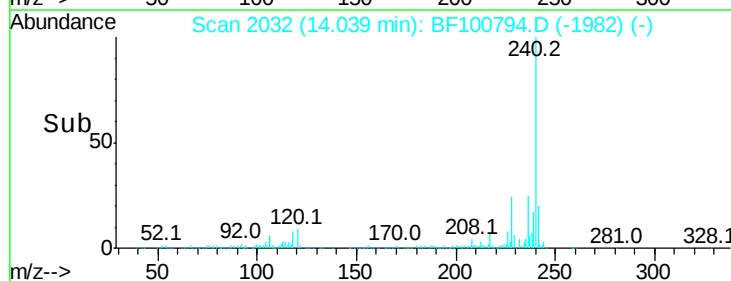
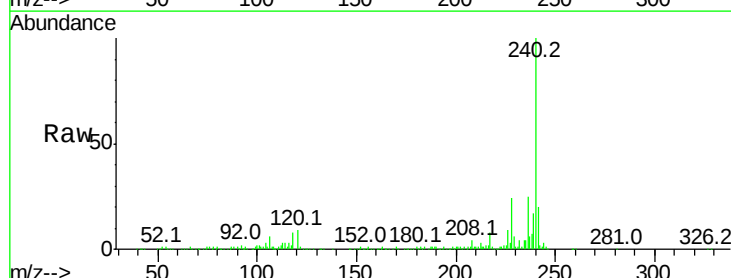
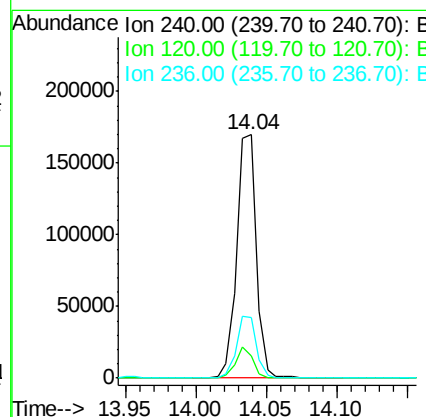
RT: 14.04 min Scan# 2032

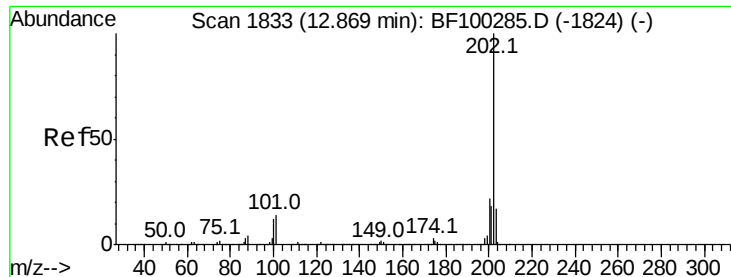
Delta R.T. -0.01 min

Lab File: BF100794.D

Acq: 21 Nov 2017 21:27

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.3	9.5	14.3#
236	25.1	20.7	31.1





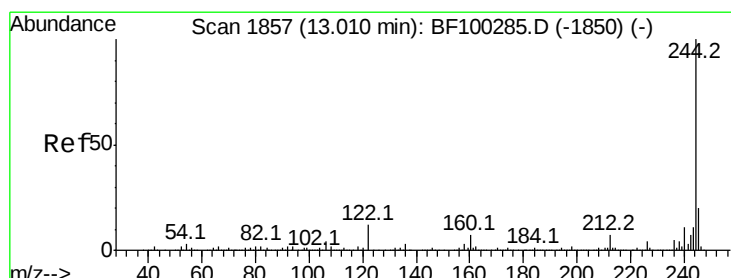
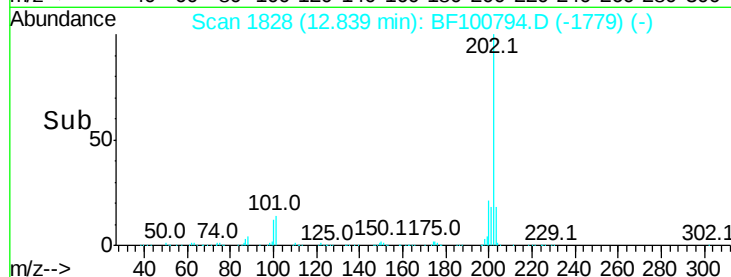
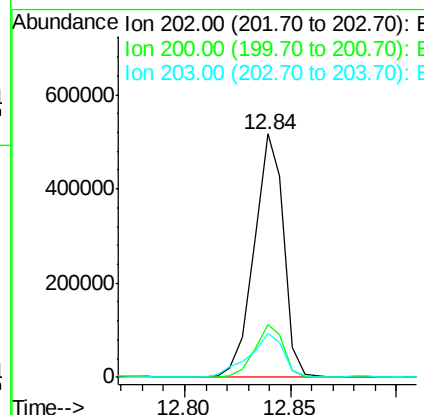
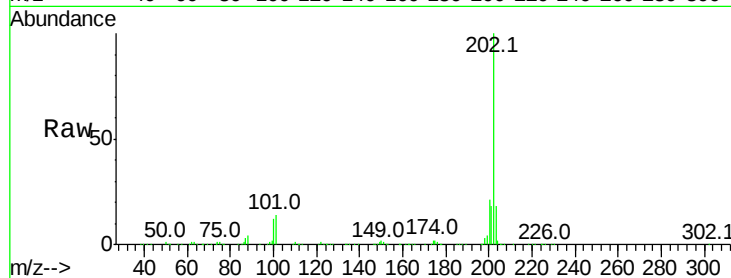
#77
Pvrene
Concen: 42.829 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Instrument :
BNA_F
ClientSampleId :
PG1-4-E(0-1)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.8	14.3	21.5

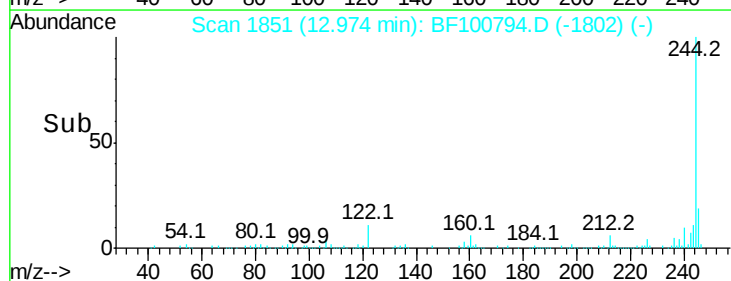
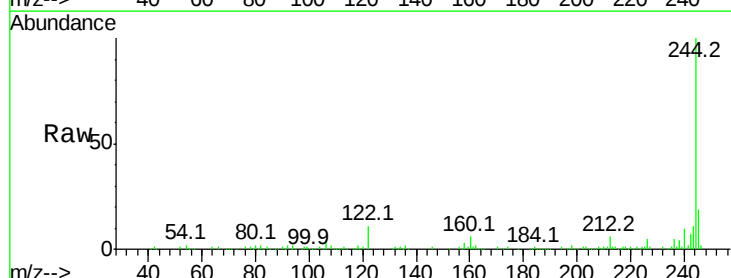
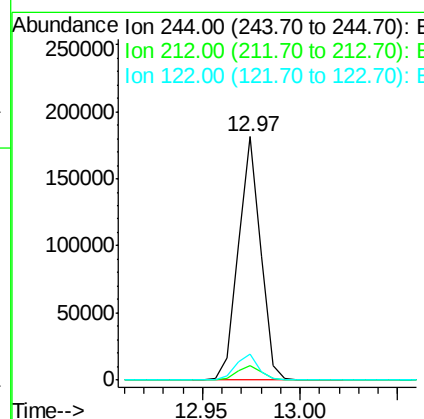
Manual Integrations
APPROVED

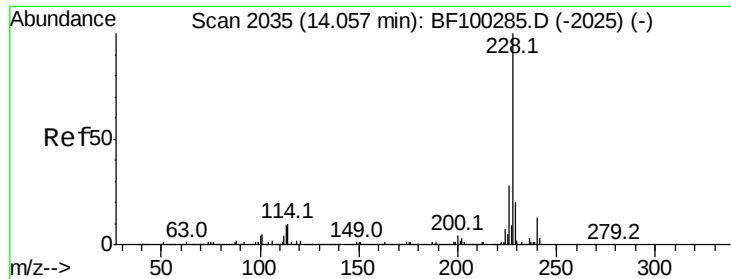
Sohil
11/22/2017 5:04:30 PM



#78
Terphenyl-d14
Concen: 19.985 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.0	5.4	8.0
122	10.7	11.0	16.4#





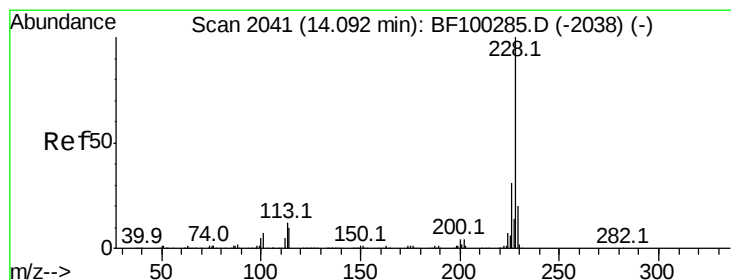
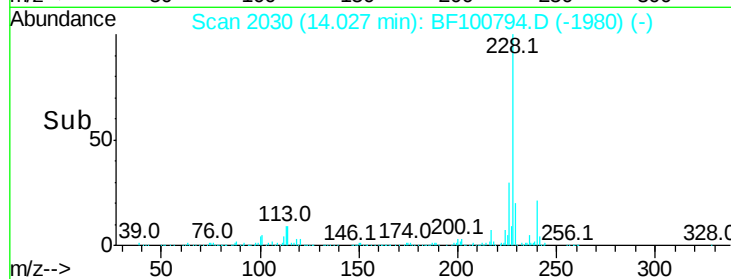
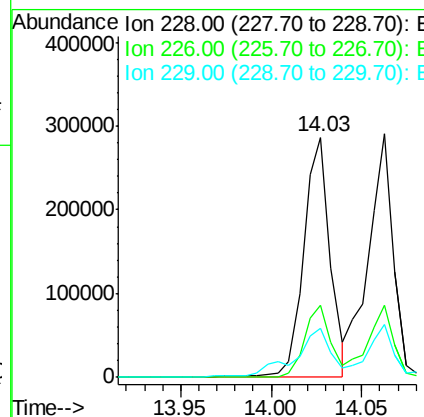
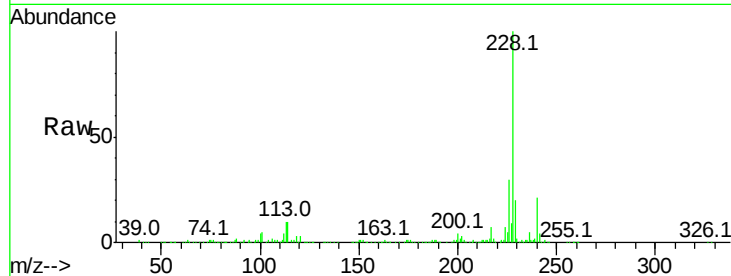
#80
Benzo(a)anthracene
Concen: 29.649 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Instrument :
BNA_F
ClientSampleId :
PG1-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	20.4	15.8	23.6

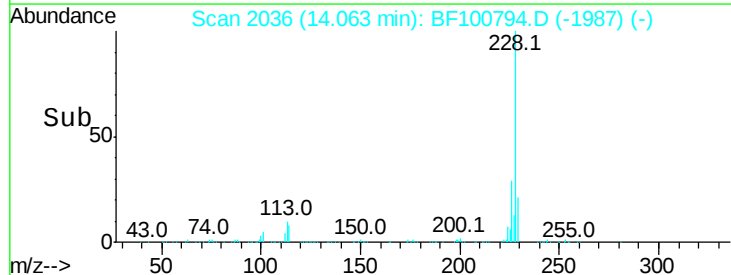
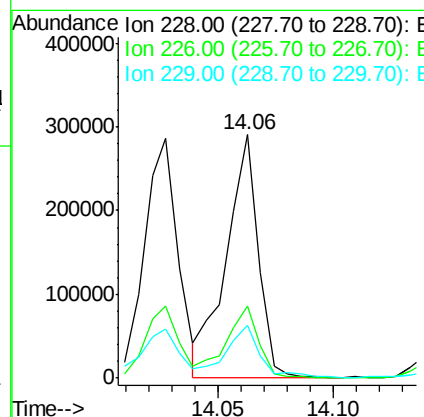
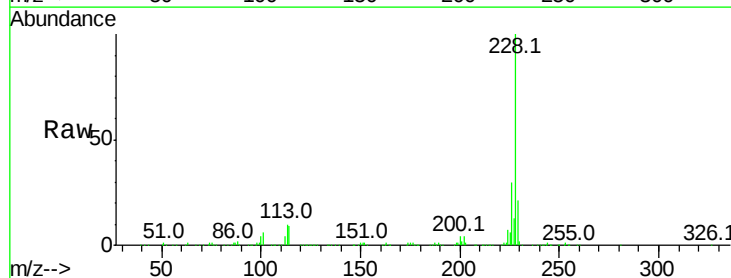
Manual Integrations
APPROVED

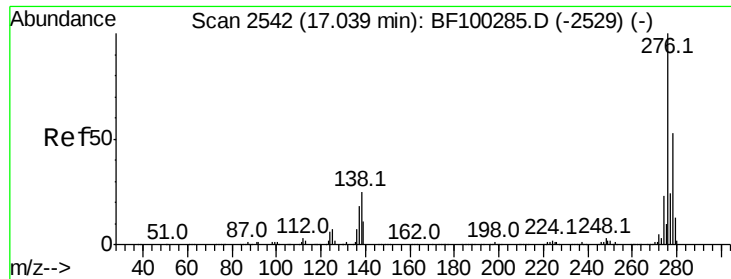
Sohil
11/22/2017 5:04:30 PM



#82
Chrysene
Concen: 29.138 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	21.5	16.2	24.4





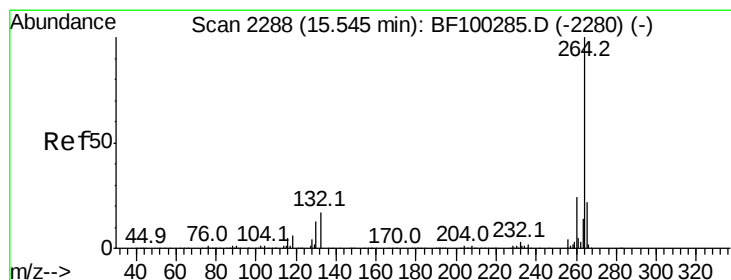
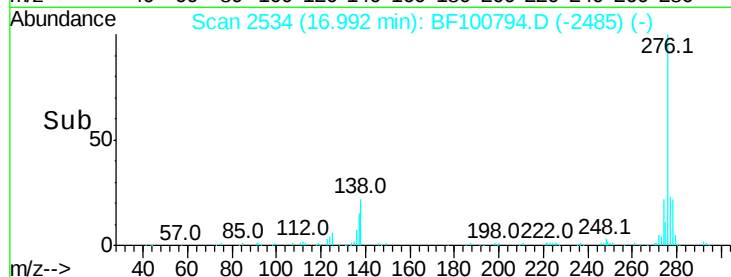
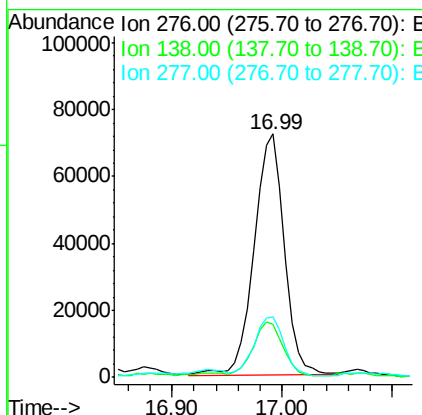
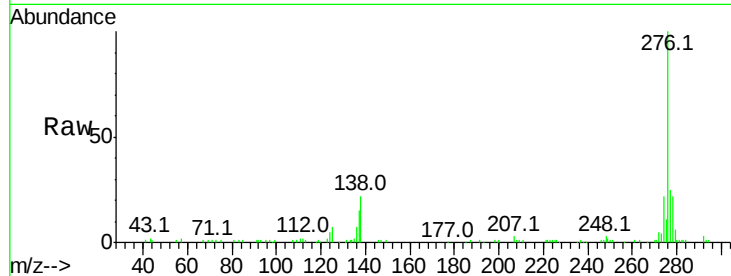
#85
Indeno(1,2,3-cd)pyrene
Concen: 17.985 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Instrument :
BNA_F
ClientSampleId :
PG1-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	25.0	37.6#
277	24.4	20.1	30.1

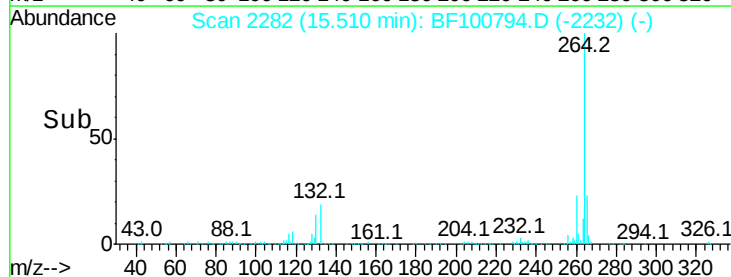
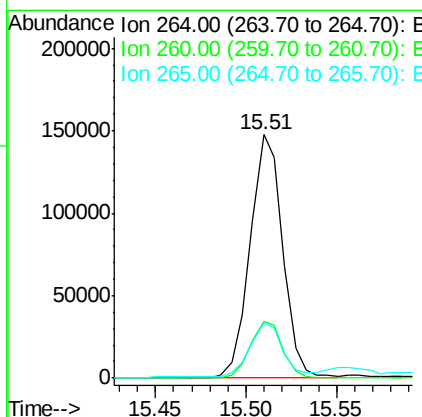
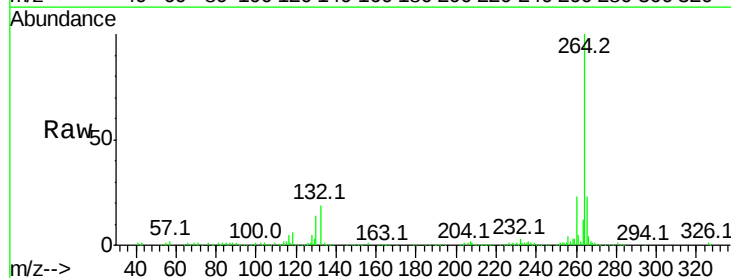
Manual Integrations
APPROVED

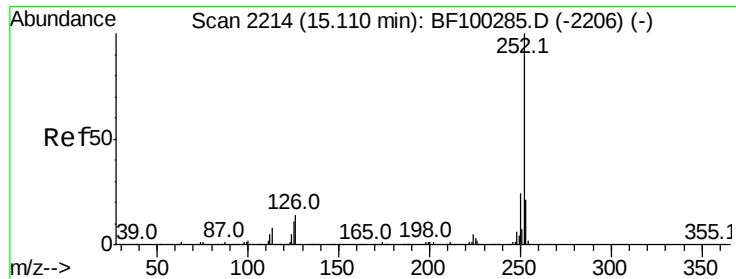
Sohil
11/22/2017 5:04:30 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	23.0	17.5	26.3





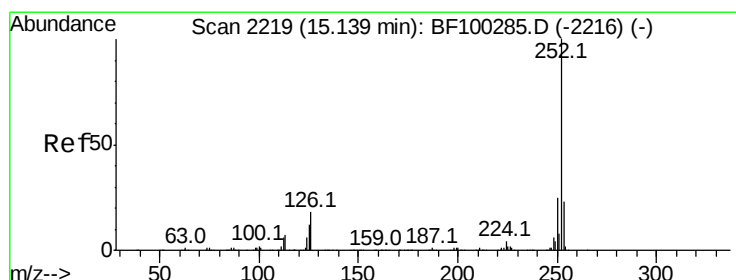
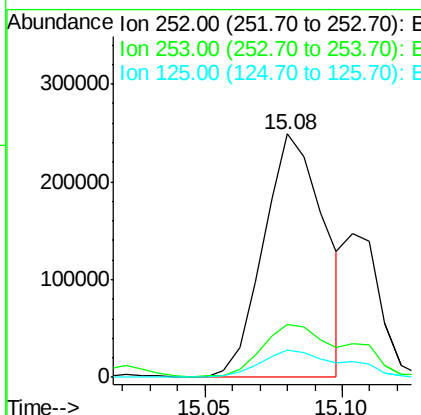
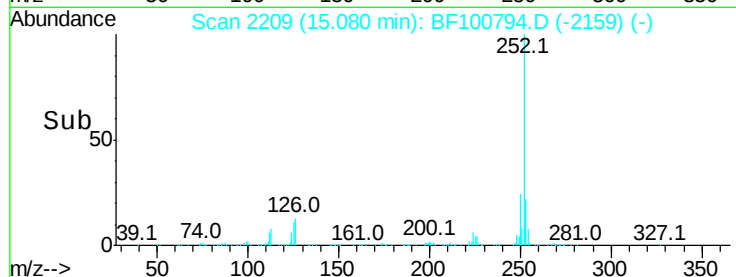
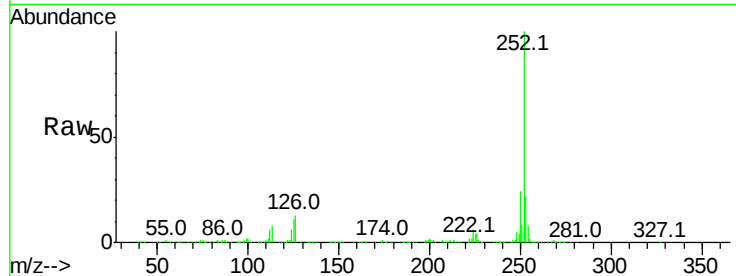
#87
Benzo(b)fluoranthene
Concen: 35.331 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Instrument :
BNA_F
ClientSampleId :
PG1-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	11.2	9.0	13.6

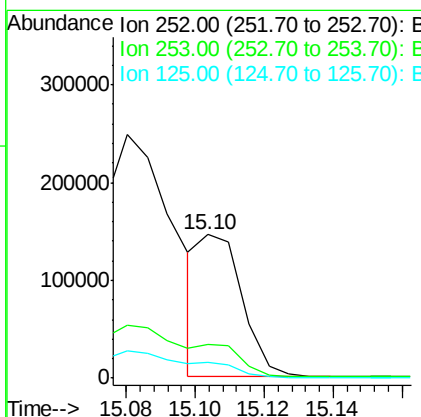
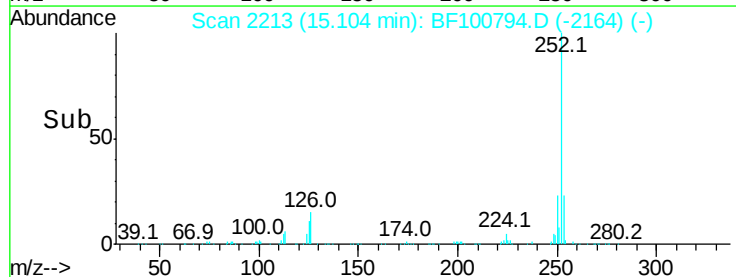
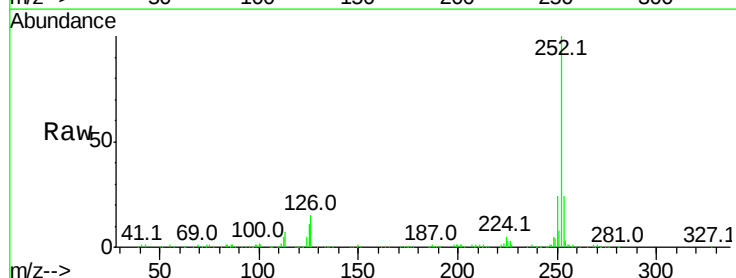
Manual Integrations
APPROVED

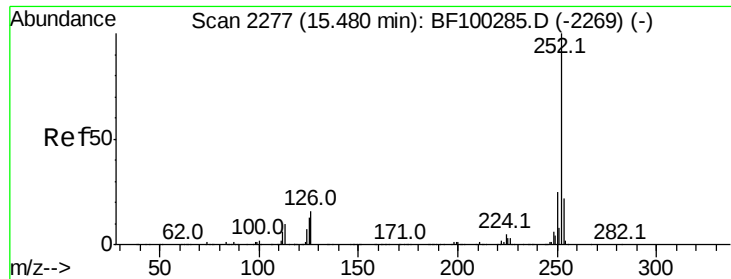
Sohil
11/22/2017 5:04:30 PM



#88
Benzo(k)fluoranthene
Concen: 12.136 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	11.2	10.2	15.2





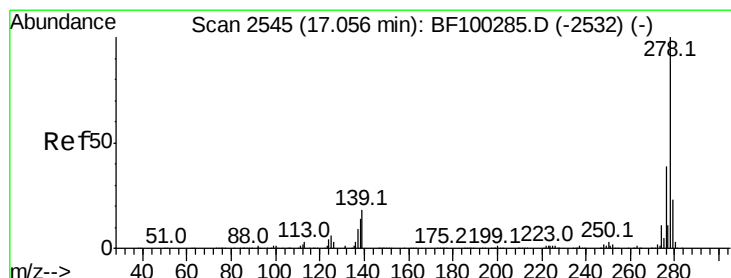
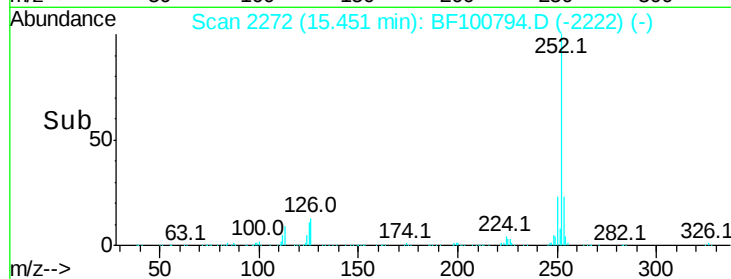
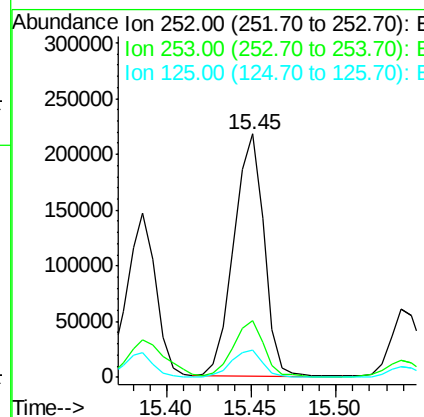
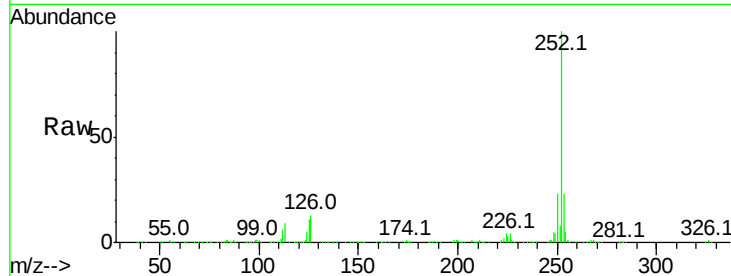
#89
Benzo(a)pyrene
Concen: 28.190 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Instrument :
BNA_F
ClientSampled :
PG1-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	11.2	9.8	14.6

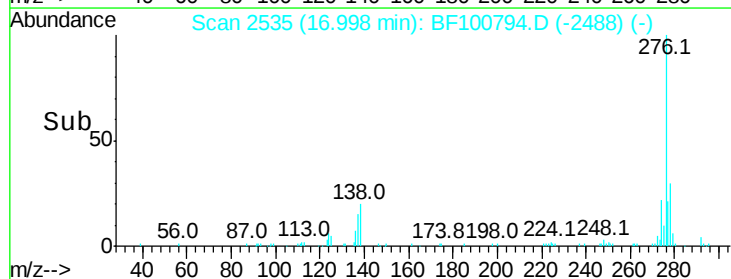
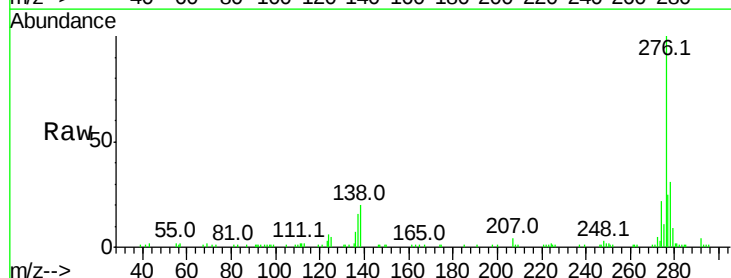
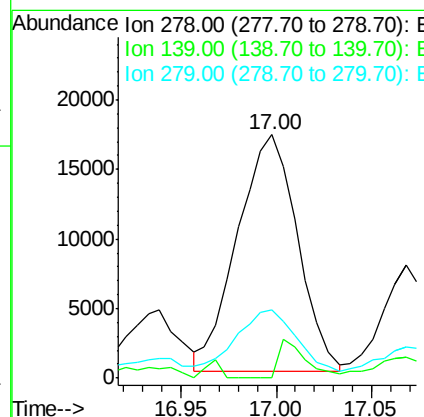
Manual Integrations
APPROVED

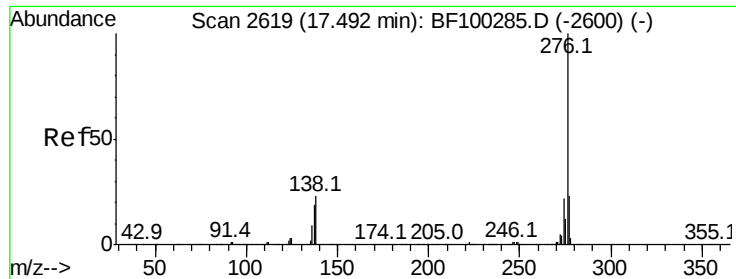
Sohil
11/22/2017 5:04:30 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.752 ng m
RT: 17.00 min Scan# 2535
Delta R.T. -0.02 min
Lab File: BF100794.D
Acq: 21 Nov 2017 21:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	28.1	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 15.101 ng/ml
 RT: 17.44 min Scan# 2610
 Delta R.T. -0.02 min
 Lab File: BF100794.D
 Acq: 21 Nov 2017 21:27

Instrument :
 BNA_F
 ClientSampleId :
 PG1-4-E(0-1)

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	22.9	17.9	26.9
138	20.9	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 11/22/2017 5:04:30 PM

