

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
 Data File : BF098660.D
 Acq On : 20 Sep 2017 15:17
 Operator : SJ/JU
 Sample : I5285-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSTP-1

Manual Integrations
 APPROVED

Sohil
 9/22/2017 3:31:32 PM

Quant Time: Sep 21 11:29:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	96676	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	399486	20.00	ng	-0.02
38) Acenaphthene-d10	9.65	164	176720	20.00	ng	-0.02
63) Phenanthrene-d10	11.13	188	301032	20.00	ng	-0.02
75) Chrysene-d12	13.77	240	199005	20.00	ng	-0.01
86) Perylene-d12	15.17	264	200867	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	717640	109.75	ng	0.00
7) Phenol-d6	6.28	99	904372	108.94	ng	-0.01
23) Nitrobenzene-d5	7.19	82	570901	79.67	ng	-0.02
41) 2,4,6-Tribromophenol	10.45	330	165258	140.11	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	814745	78.14	ng	-0.02
78) Terphenyl-d14	12.72	244	583965	63.34	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.38	163	153004	11.185	ng	97
70) Phenanthrene	11.16	178	76743	4.809	ng	98
74) Fluoranthene	12.35	202	155119	9.710	ng	96
77) Pyrene	12.57	202	176629	11.251	ng	98
80) Benzo(a)anthracene	13.76	228	81330	6.971	ng	100
82) Chrysene	13.80	228	71124	6.031	ng	97
85) Indeno(1,2,3-cd)pyrene	16.50	276	32509	3.929	ng	# 91
87) Benzo(b)fluoranthene	14.78	252	107595m	8.519	ng	
88) Benzo(k)fluoranthene	14.80	252	27457m	2.329	ng	
89) Benzo(a)pyrene	15.12	252	81018m	7.200	ng	
91) Benzo(a,h,i)perylene	16.90	276	31505	3.827	ng	# 86

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

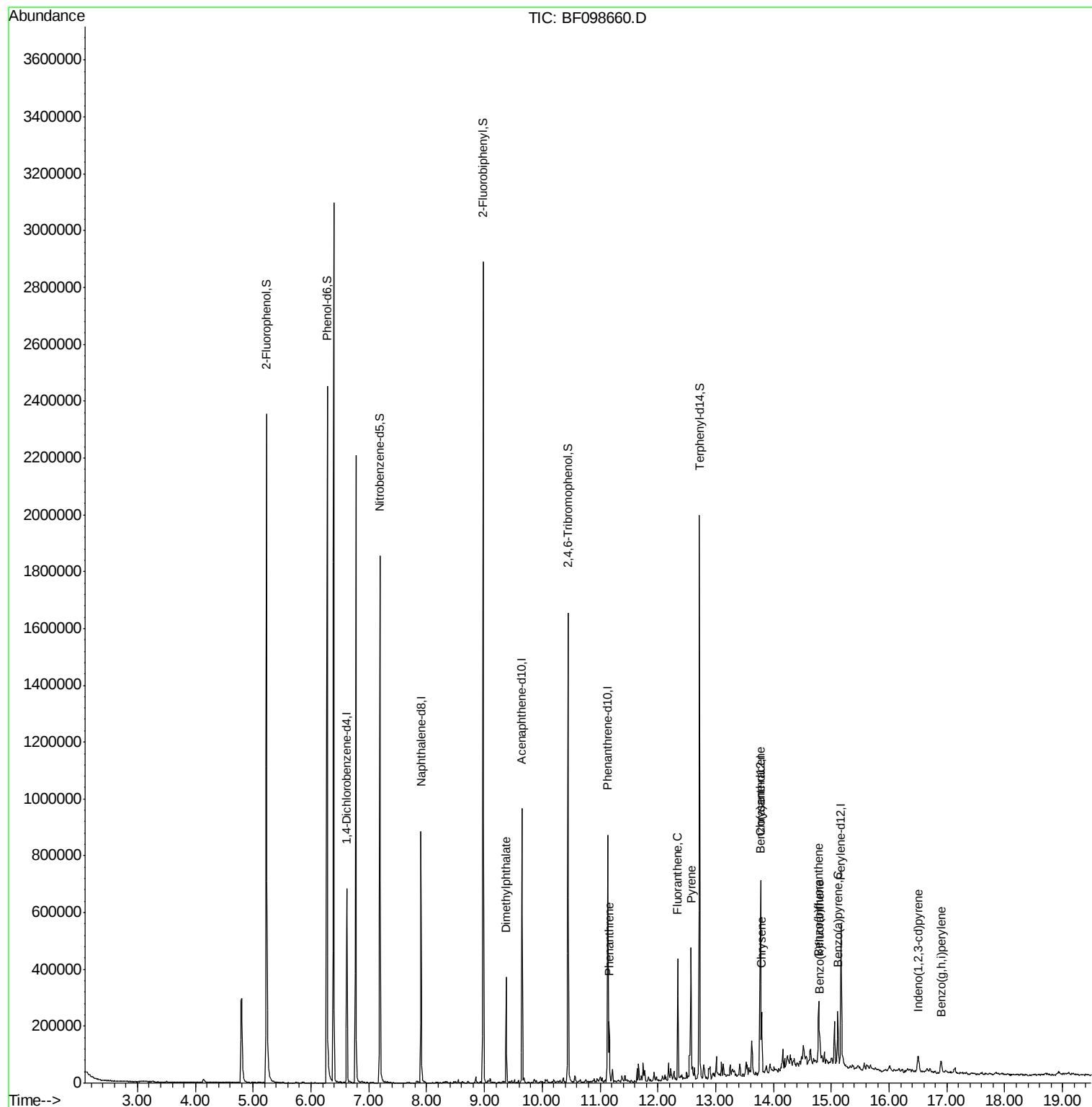
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098660.D
Acq On : 20 Sep 2017 15:17
Operator : SJ/JU
Sample : I5285-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

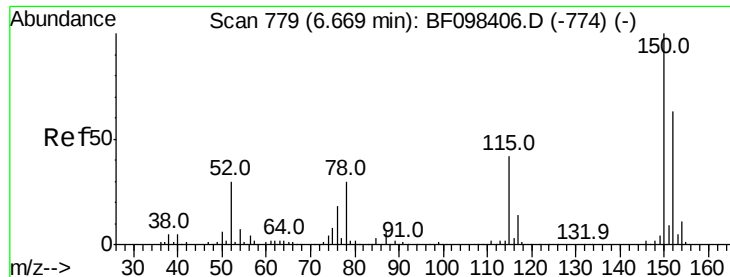
Instrument :
BNA_F
ClientSampleId :
CSTP-1

Manual Integrations
APPROVED

Sohil
9/22/2017 3:31:32 PM

Quant Time: Sep 21 11:29:04 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 18 13:37:24 2017
Response via : Initial Calibration





#1

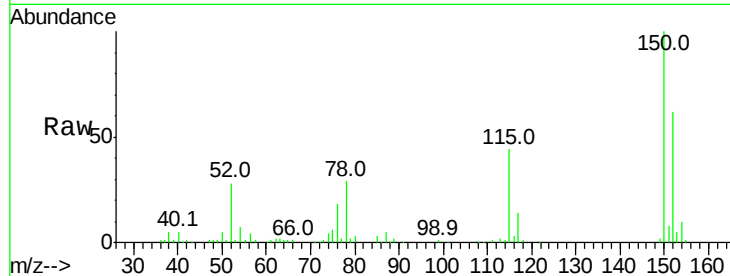
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 770
Delta R.T. -0.02 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

Instrument :
BNA_F
ClientSampled :
CSTP-1

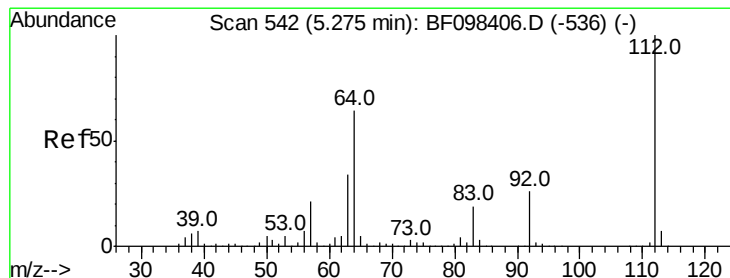
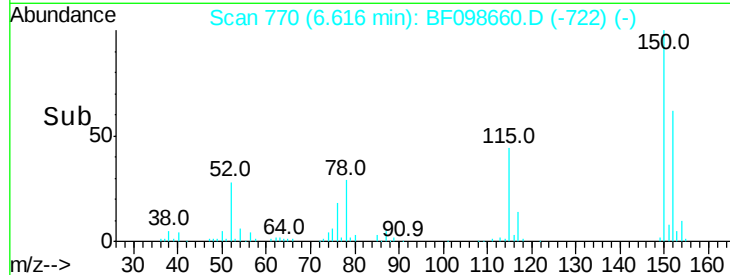
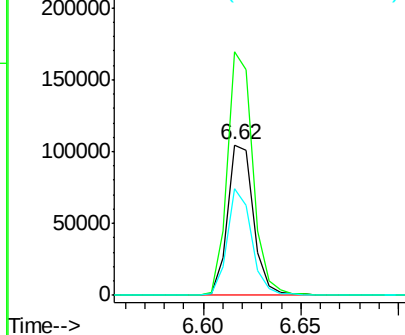
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	126.2	189.2
115	70.4	52.2	78.2

Manual Integrations
APPROVED

Sohil
9/22/2017 3:31:32 PM



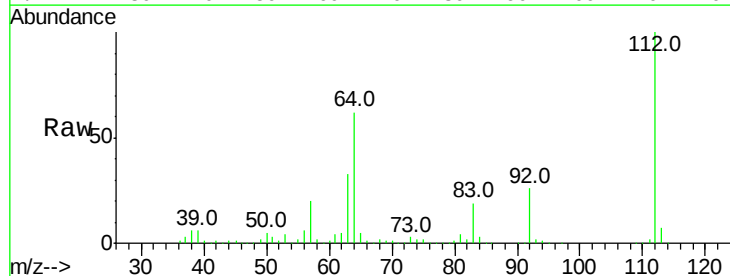
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



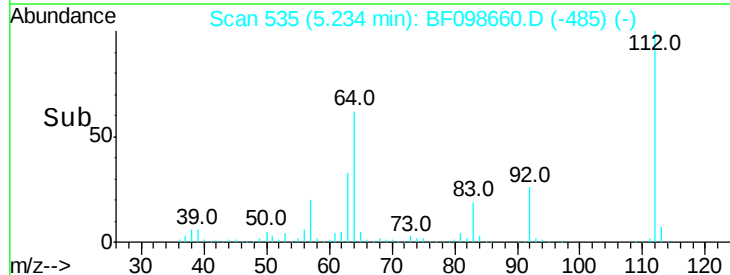
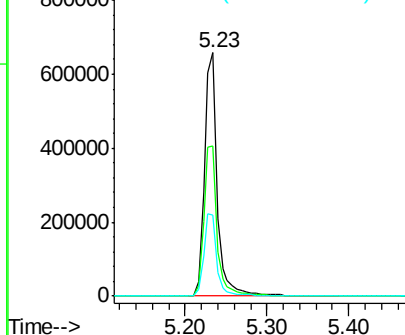
#5

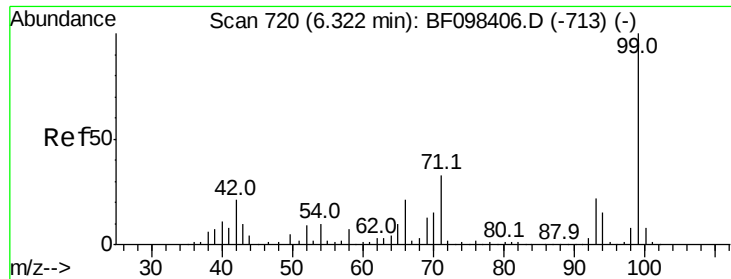
2-Fluorophenol
Concen: 109.753 ng
RT: 5.23 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	46.0	69.0
63	33.3	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.935 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

Instrument :

BNA_F

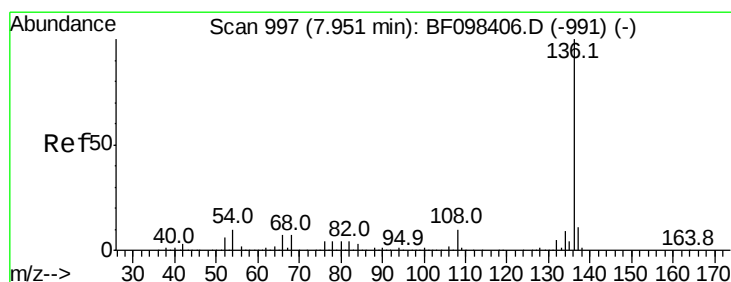
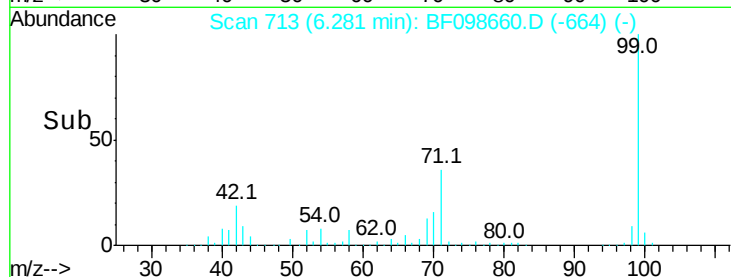
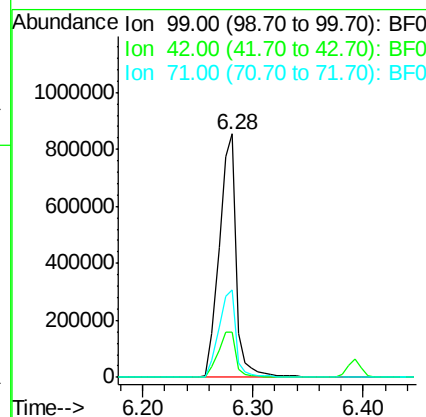
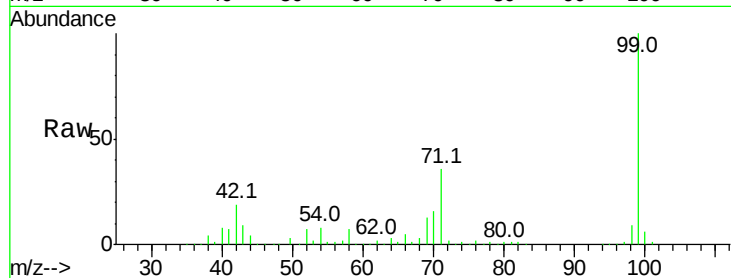
ClientSampled :

CSTP-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		904372		
42	18.5	13.5	20.3		
71	35.9	24.5	36.7		

Manual Integrations
APPROVED

Sohil
9/22/2017 3:31:32 PM



#21

Naphthalene-d8

Concen: 20.000 ng

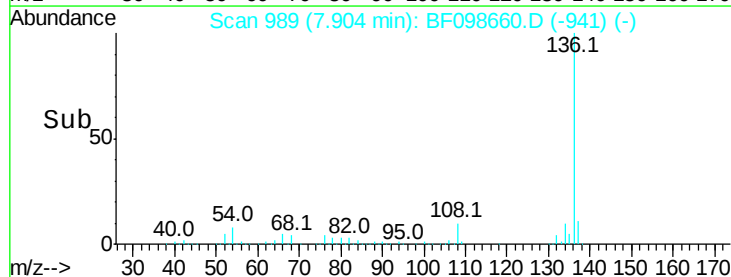
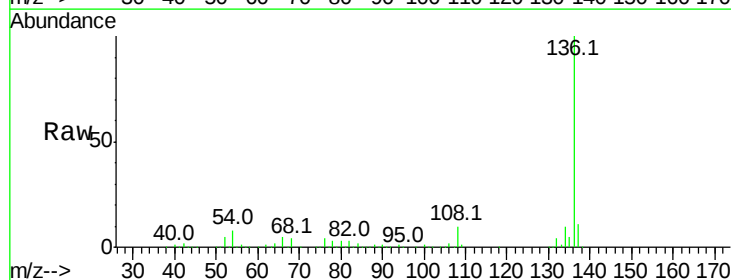
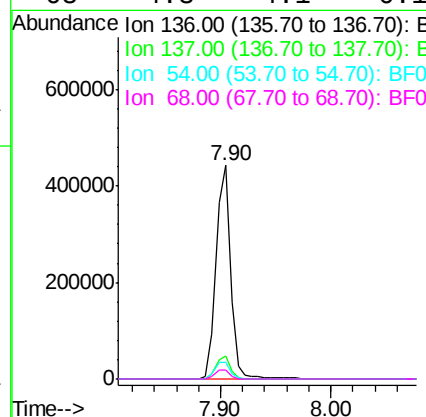
RT: 7.90 min Scan# 989

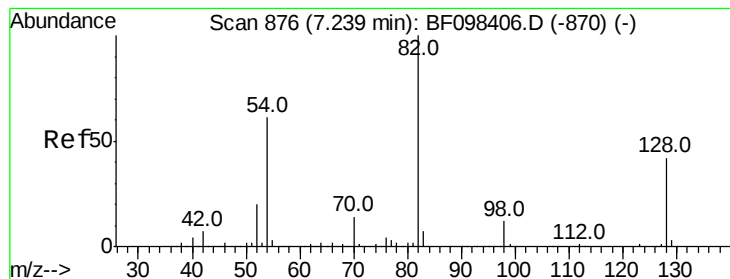
Delta R.T. -0.02 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		399486		
137	10.7	8.5	12.7		
54	8.0	4.9	7.3#		
68	4.3	4.1	6.1		





#23

Nitrobenzene-d5

Concen: 79.671 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.02 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

Instrument :

BNA_F

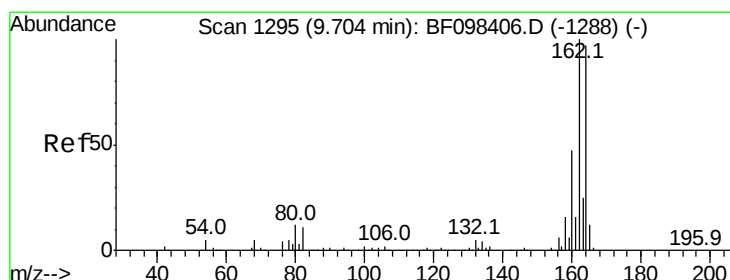
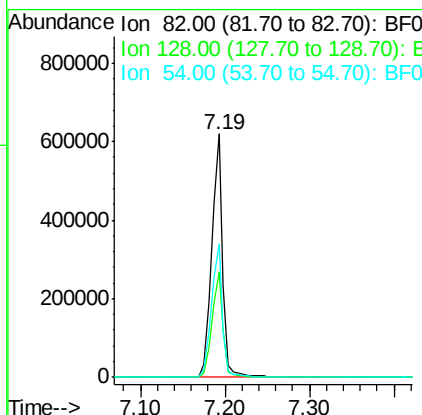
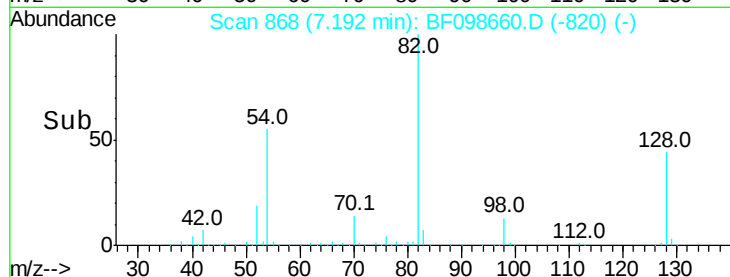
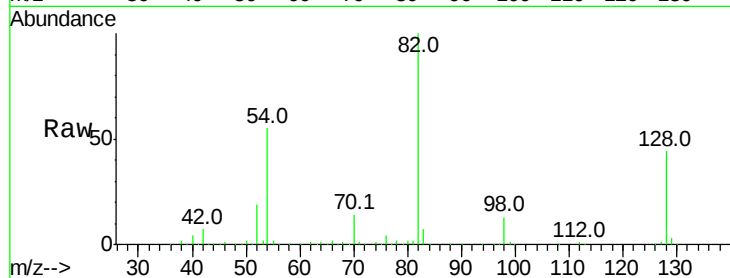
ClientSampled :

CSTP-1

Tot Ion:	82	Resp:	570901
Ion Ratio	Lower	Upper	
82	100		
128	43.5	34.0	51.0
54	55.0	42.2	63.2

Manual Integrations
APPROVED

Sohil
9/22/2017 3:31:32 PM



#38

Acenaphthene-d10

Concen: 20.000 ng

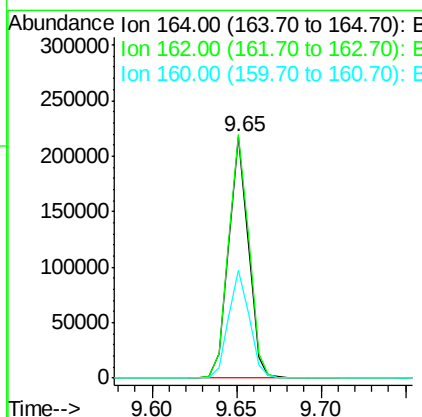
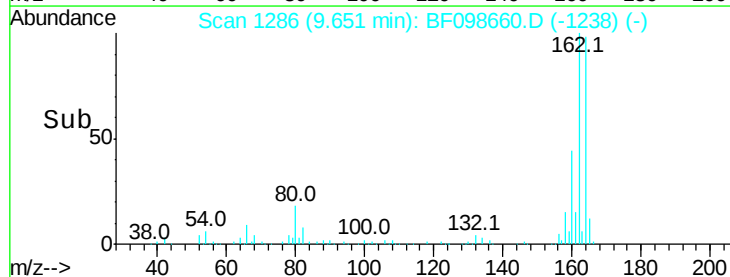
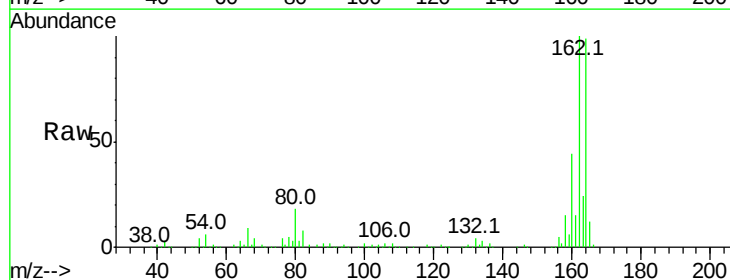
RT: 9.65 min Scan# 1286

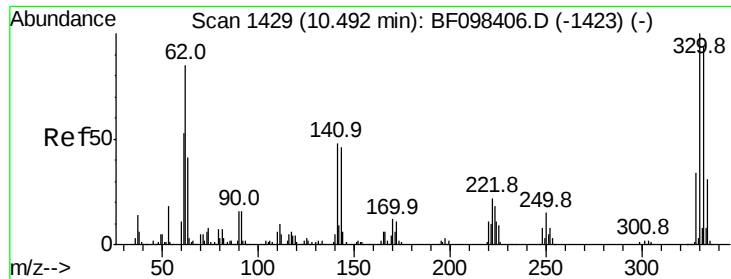
Delta R.T. -0.02 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

Tgt Ion:	164	Resp:	176720
Ion Ratio	Lower	Upper	
164	100		
162	100.7	82.6	123.8
160	44.6	36.2	54.2





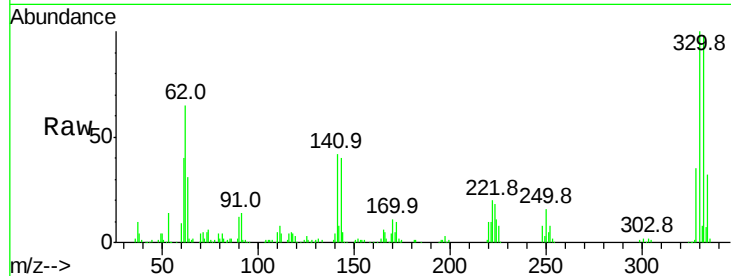
#41
 2,4,6-Tribromophenol
 Concen: 140.113 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.02 min
 Lab File: BF098660.D
 Acq: 20 Sep 2017 15:17

Instrument :
 BNA_F
 ClientSampled :
 CSTP-1

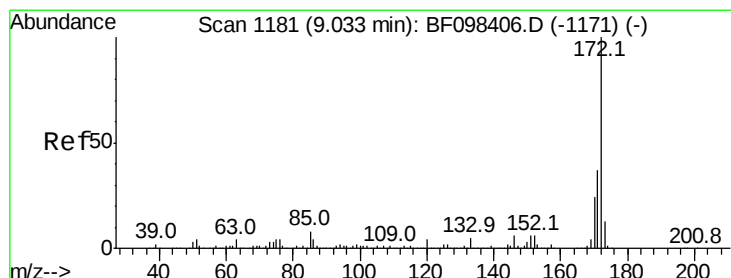
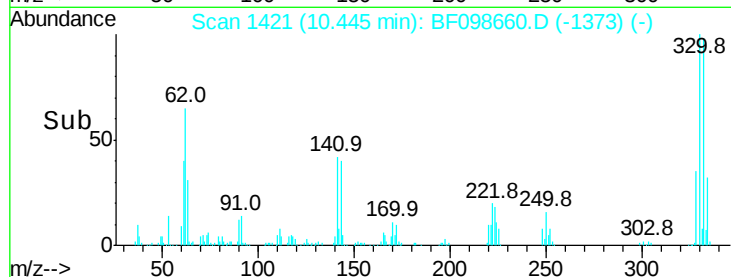
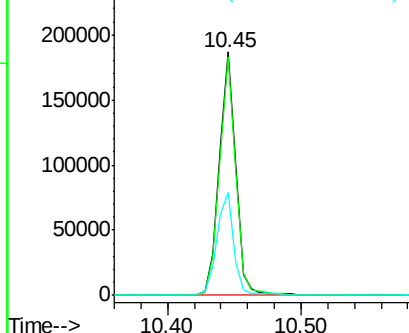
Tot Ion	Ratio	Resp	Lower	Upper
330	100	165258		
332	96.4	76.6	115.0	
141	43.2	31.4	47.2	

Manual Integrations
 APPROVED

Sohil
 9/22/2017 3:31:32 PM



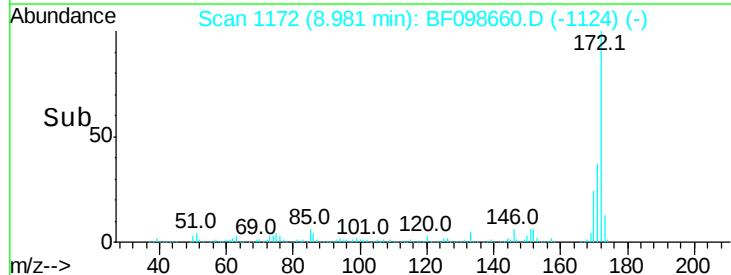
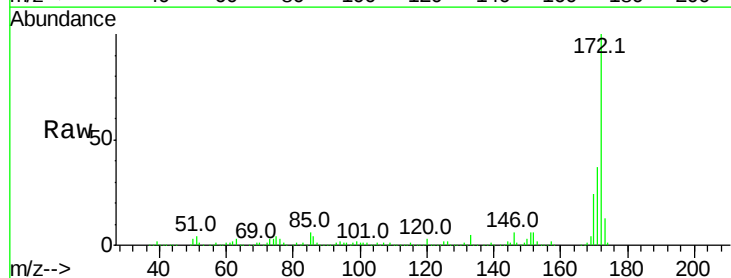
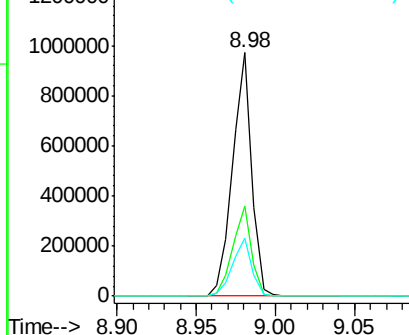
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

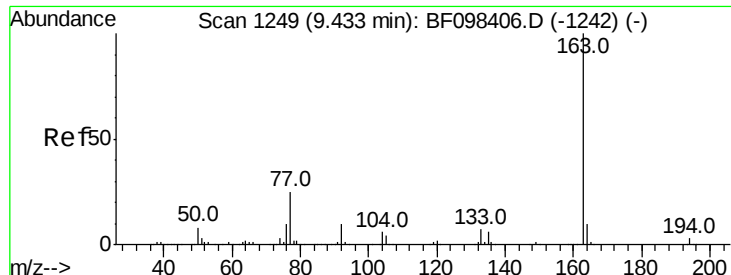


#44
 2-Fluorobiphenyl
 Concen: 78.142 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF098660.D
 Acq: 20 Sep 2017 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	814745		
171	37.1	29.6	44.4	
170	23.8	19.8	29.8	

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





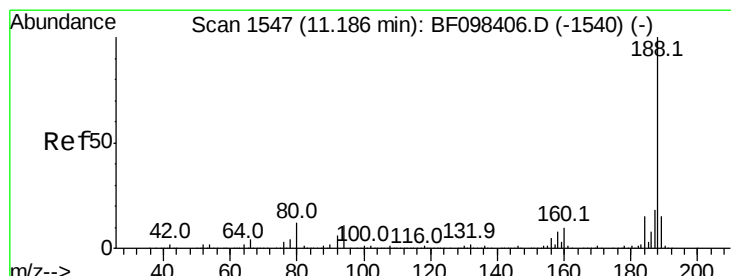
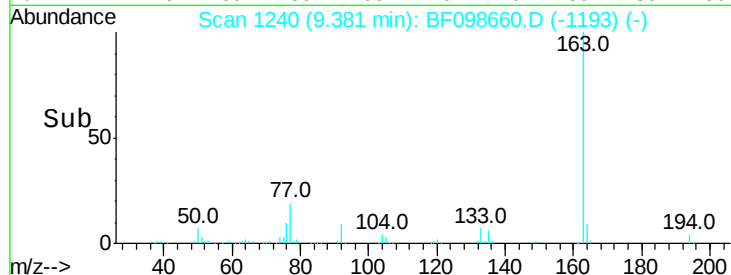
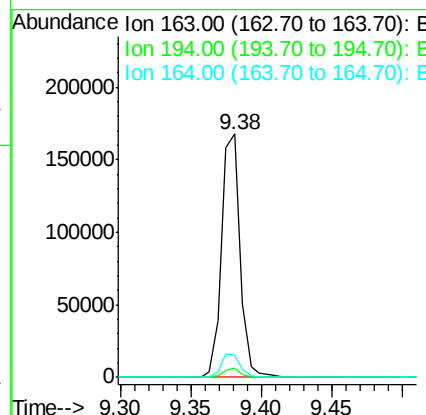
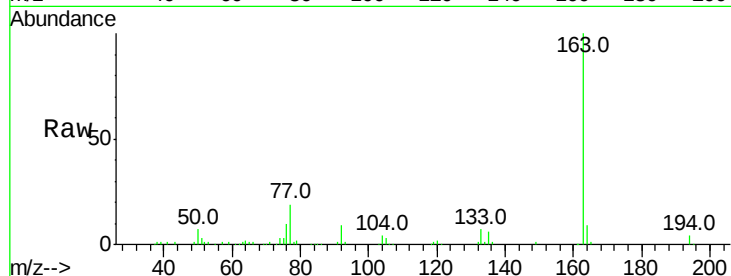
#49
Dimethylphthalate
Concen: 11.185 ng
RT: 9.38 min Scan# 1240
Delta R.T. -0.02 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

Instrument :
BNA_F
ClientSampleId :
CSTP-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	153004		
194	3.8		2.6	4.0
164	9.2		8.4	12.6

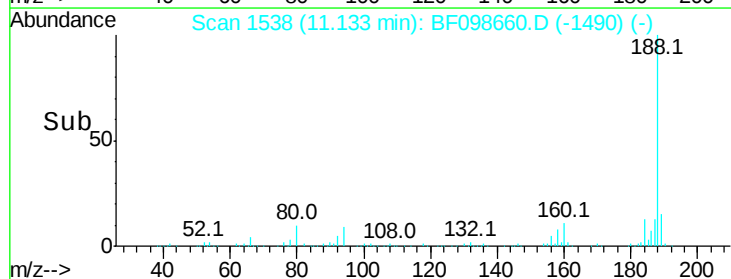
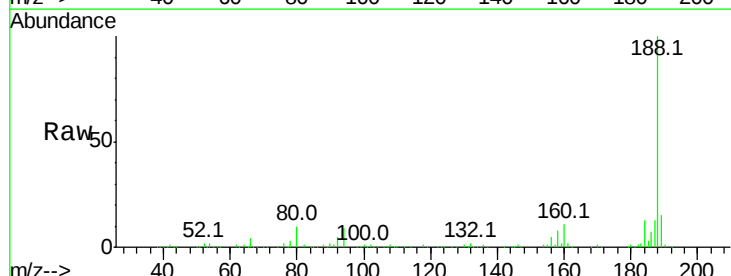
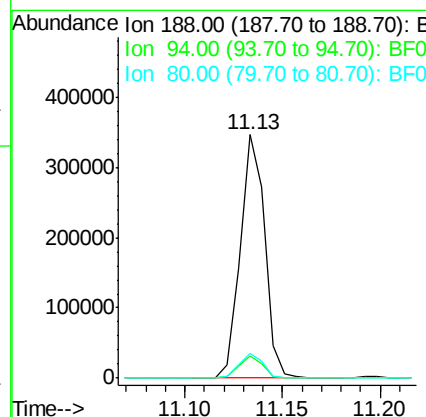
Manual Integrations
APPROVED

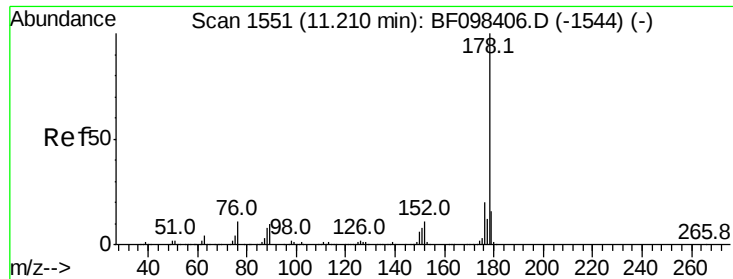
Sohil
9/22/2017 3:31:32 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.13 min Scan# 1538
Delta R.T. -0.02 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	301032		
94	9.1		9.4	14.2#
80	10.3		10.2	15.2





#70

Phenanthrene

Concen: 4.809 ng

RT: 11.16 min Scan# 1542

Delta R.T. -0.02 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

Instrument :

BNA_F

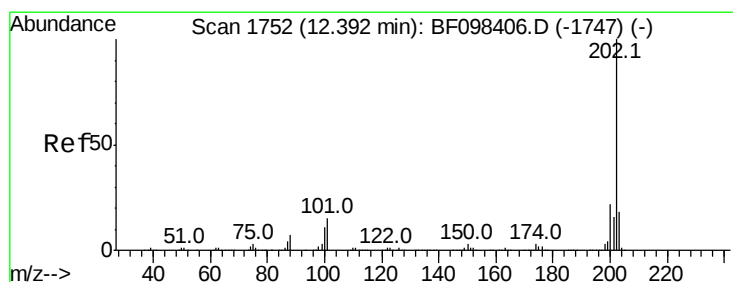
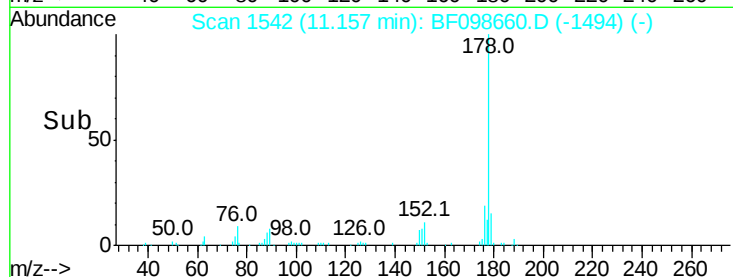
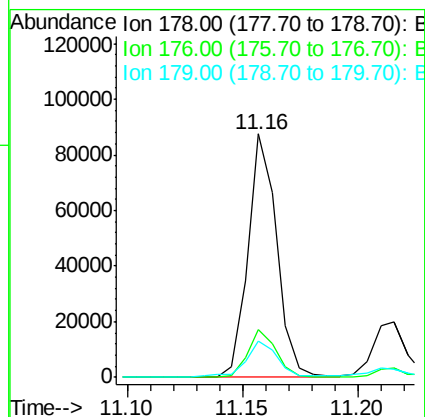
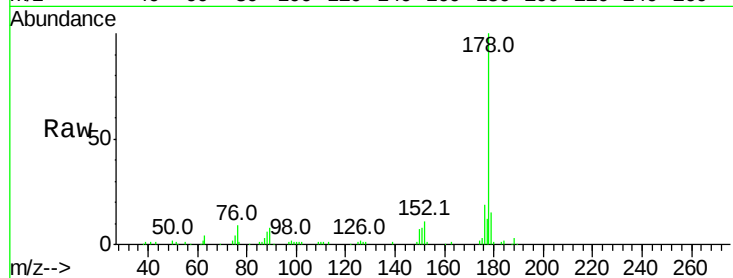
ClientSampleId :

CSTP-1

Tot Ion:	178	Resp:	76743
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.2	24.4
179	15.1	12.6	19.0

Manual Integrations
APPROVED

Sohil
9/22/2017 3:31:32 PM



#74

Fluoranthene

Concen: 9.710 ng

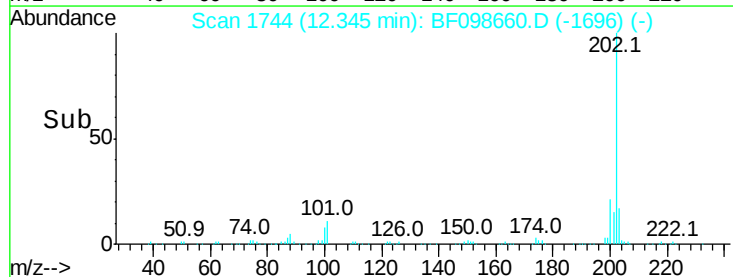
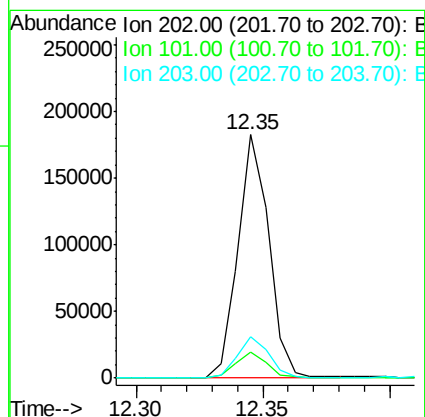
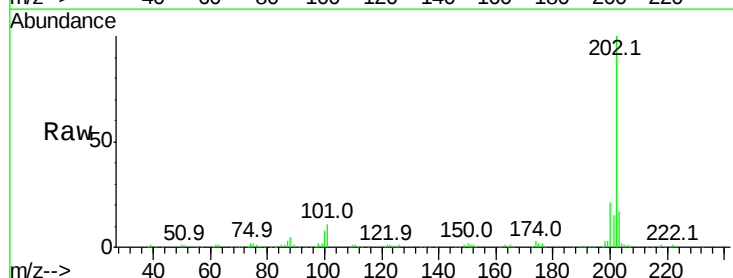
RT: 12.35 min Scan# 1744

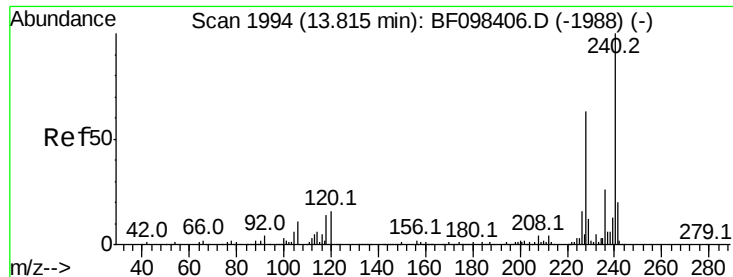
Delta R.T. -0.02 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

Tgt Ion:	202	Resp:	155119
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	33.2
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

Instrument :

BNA_F

ClientSampleId :

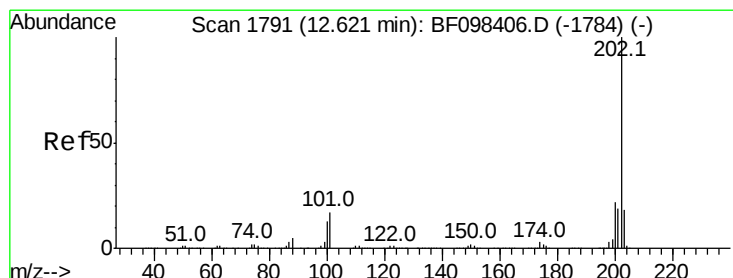
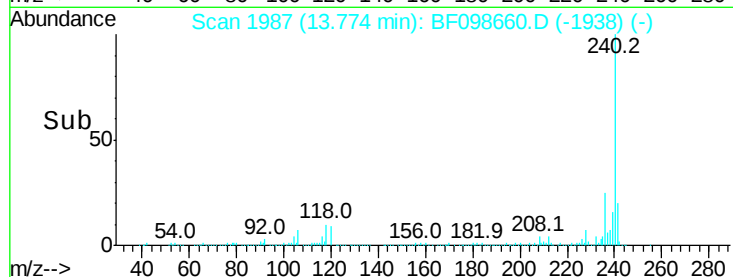
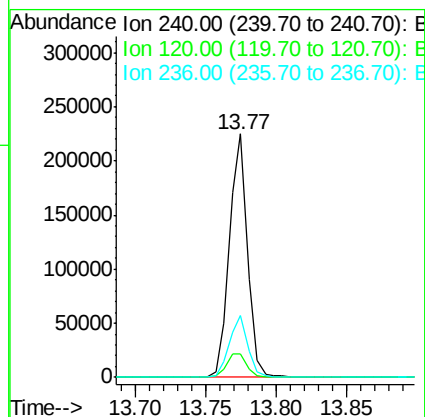
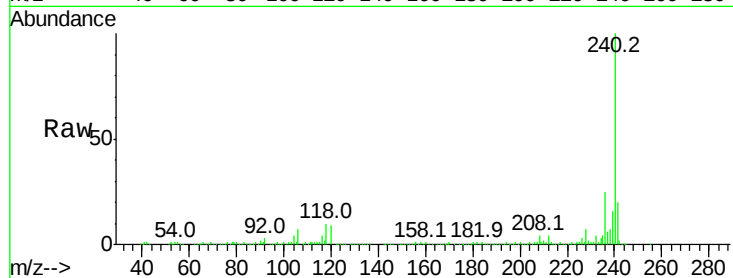
CSTP-1

Tot Ion	Ratio	Resp	Lower	Upper
240	100	199005		
120	9.5	5.8	8.8#	
236	25.3	20.5	30.7	

Manual Integrations
APPROVED

Sohil

9/22/2017 3:31:32 PM



#77

Pyrene

Concen: 11.251 ng

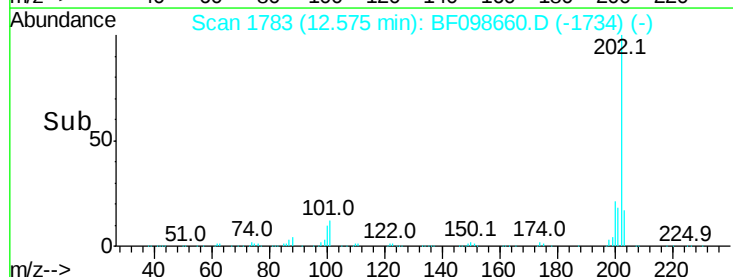
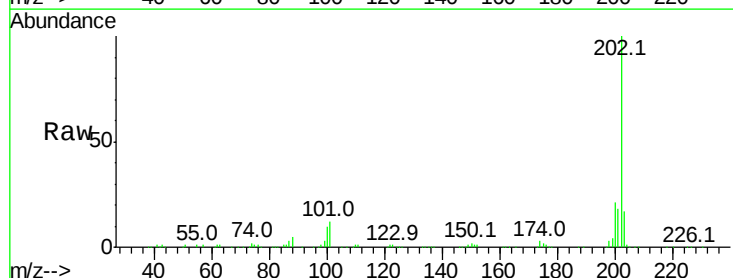
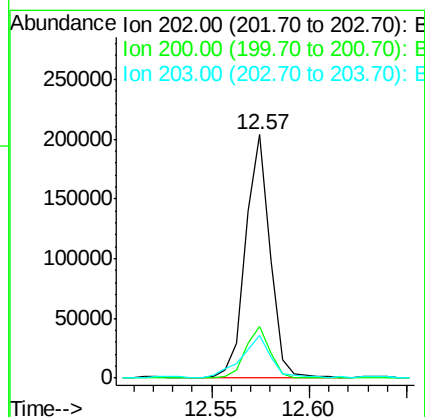
RT: 12.57 min Scan# 1783

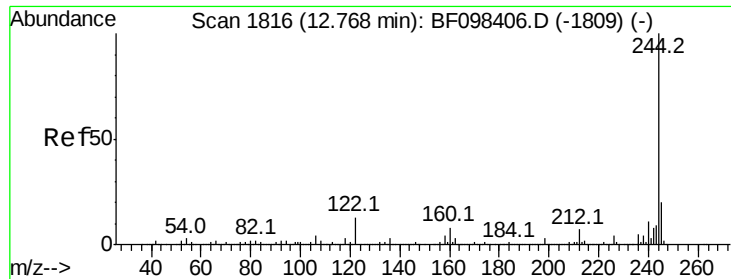
Delta R.T. -0.01 min

Lab File: BF098660.D

Acq: 20 Sep 2017 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	176629		
200	21.0	17.6	26.4	
203	17.5	14.4	21.6	





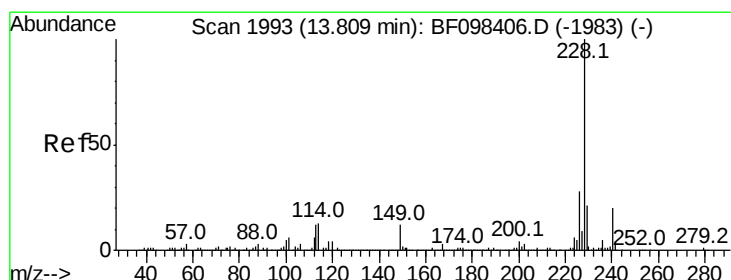
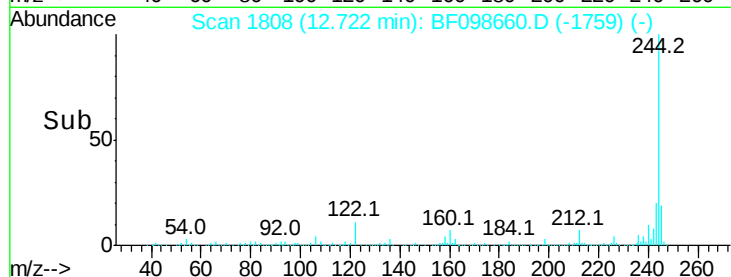
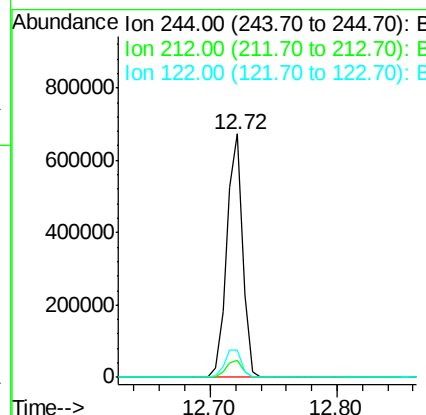
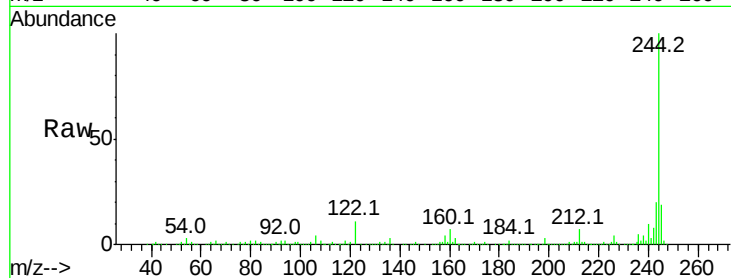
#78
 Terphenyl-d14
 Concen: 63.338 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF098660.D
 Acq: 20 Sep 2017 15:17

Instrument :
 BNA_F
 ClientSampled :
 CSTP-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	11.2	10.3	15.5

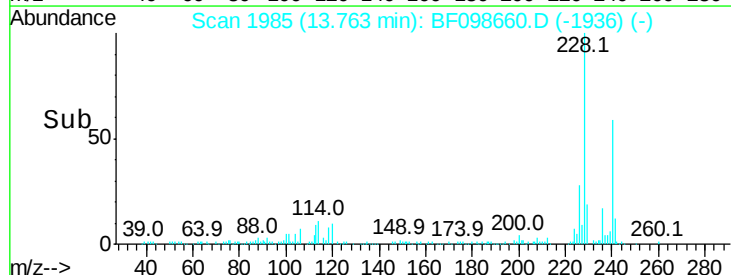
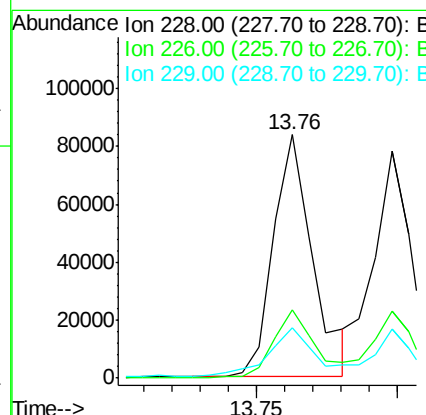
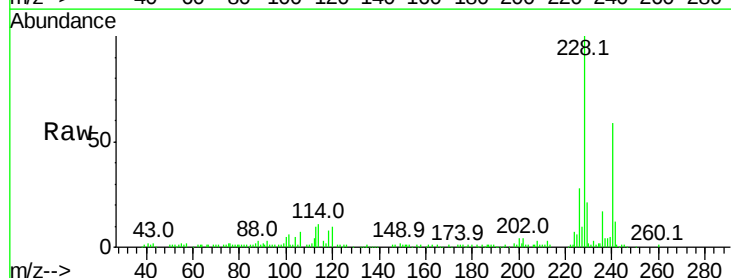
Manual Integrations
 APPROVED

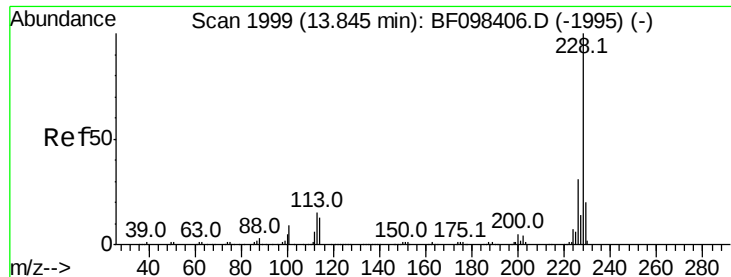
Sohil
 9/22/2017 3:31:32 PM



#80
 Benzo(a)anthracene
 Concen: 6.971 ng
 RT: 13.76 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: BF098660.D
 Acq: 20 Sep 2017 15:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.5	16.3	24.5





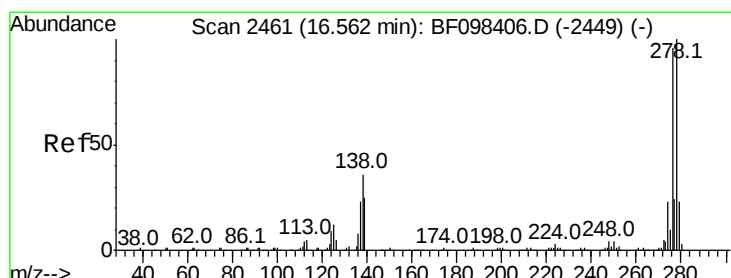
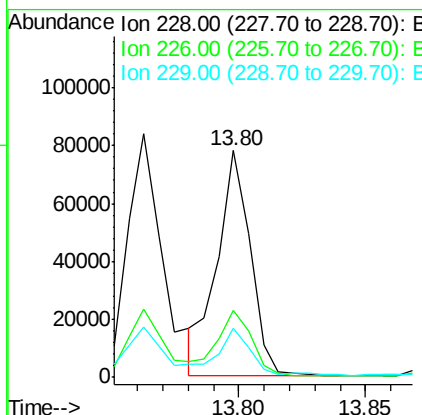
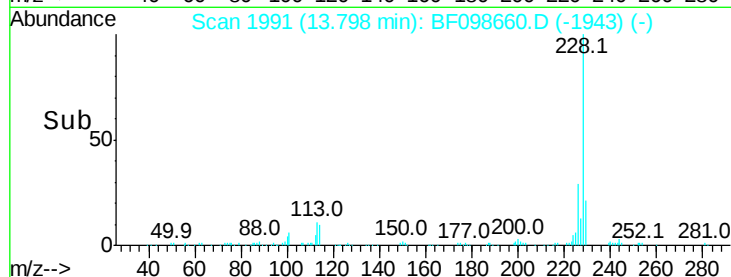
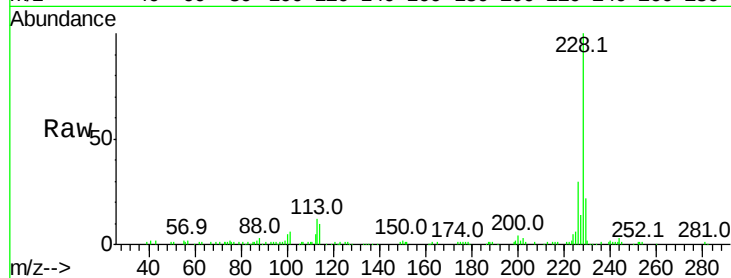
#82
Chrysene
Concen: 6.031 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.02 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

Instrument :
BNA_F
ClientSampled :
CSTP-1

Tot Ion:228	Resp:	71124
Ion Ratio	Lower	Upper
228 100		
226 29.7	24.9	37.3
229 21.8	15.8	23.6

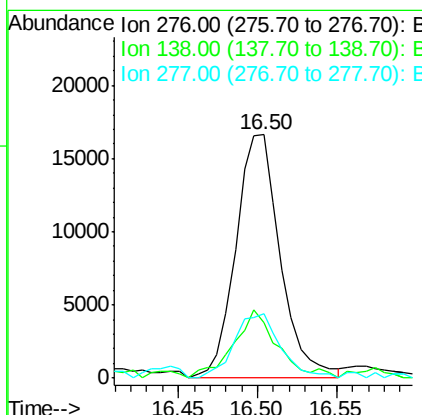
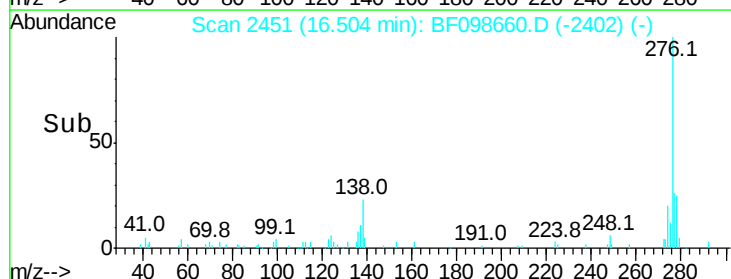
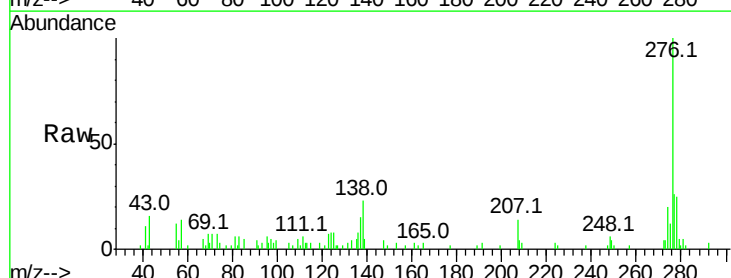
Manual Integrations
APPROVED

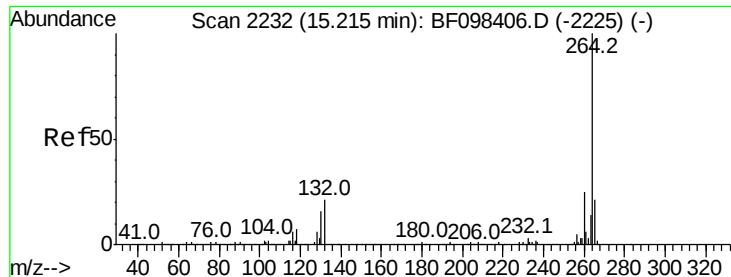
Sohil
9/22/2017 3:31:32 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.929 ng
RT: 16.50 min Scan# 2451
Delta R.T. -0.01 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

Tgt Ion:276	Resp:	32509
Ion Ratio	Lower	Upper
276 100		
138 27.7	27.8	41.6#
277 27.4	20.2	30.4





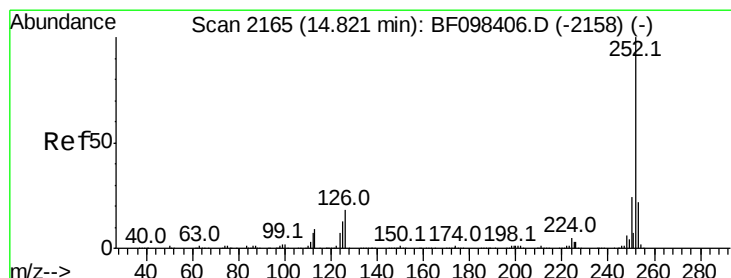
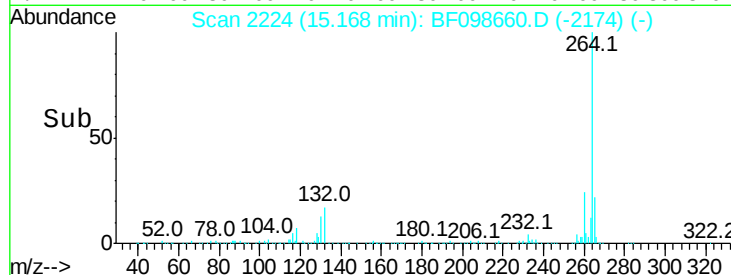
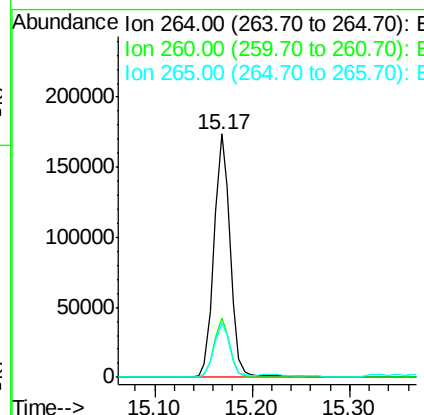
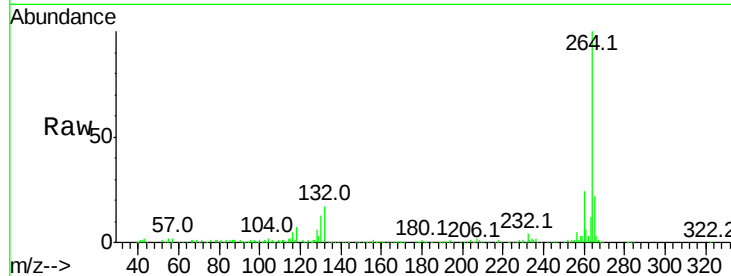
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

Instrument :
BNA_F
ClientSampleId :
CSTP-1

Tot Ion:	264	Resp:	200867
Ion Ratio		Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.4	17.2	25.8

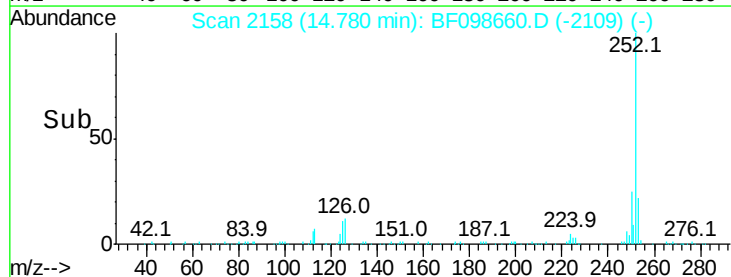
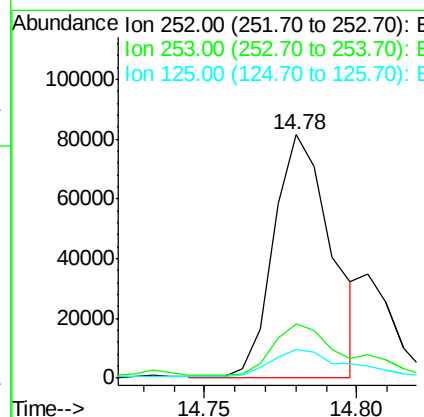
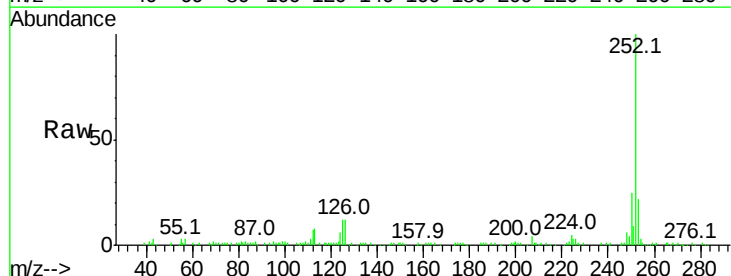
Manual Integrations
APPROVED

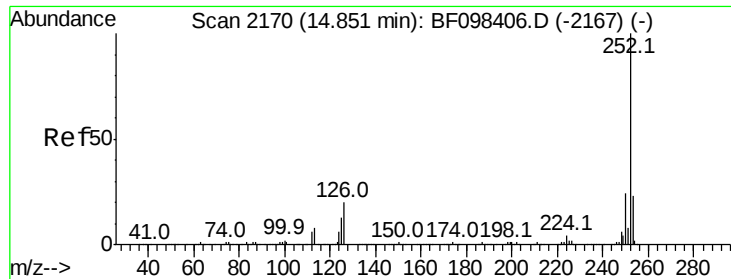
Sohil
9/22/2017 3:31:32 PM



#87
Benzo(b)fluoranthene
Concen: 8.519 ng m
RT: 14.78 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

Tgt Ion:	252	Resp:	107595
Ion Ratio		Lower	Upper
252	100		
253	22.4	18.1	27.1
125	11.9	9.8	14.8





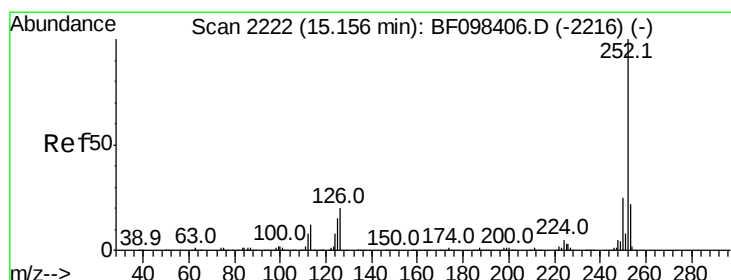
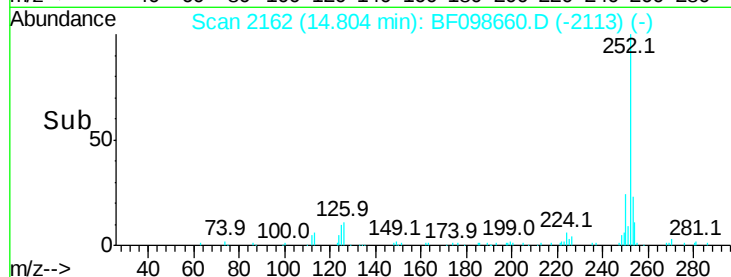
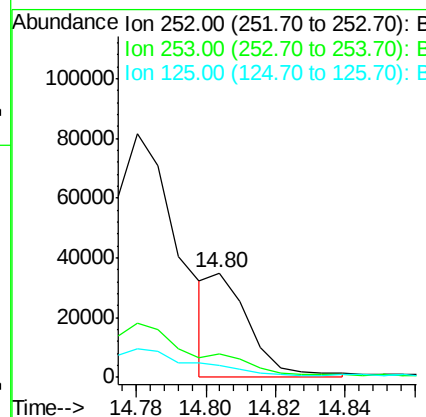
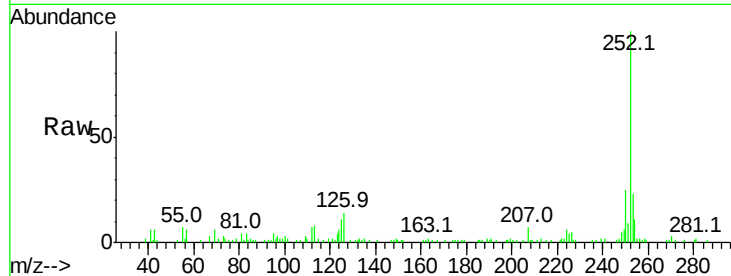
#88
Benzo(k)fluoranthene
Concen: 2.329 ng m
RT: 14.80 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

Instrument :
BNA_F
ClientSampled :
CSTP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	11.5	13.1	19.7

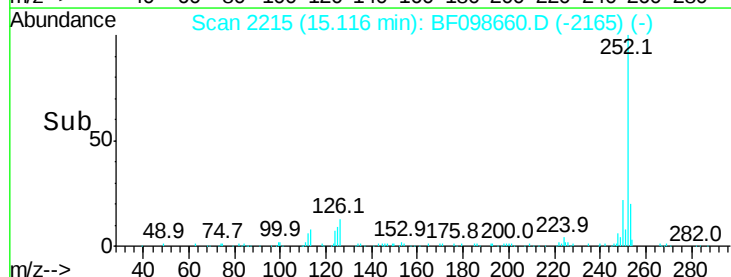
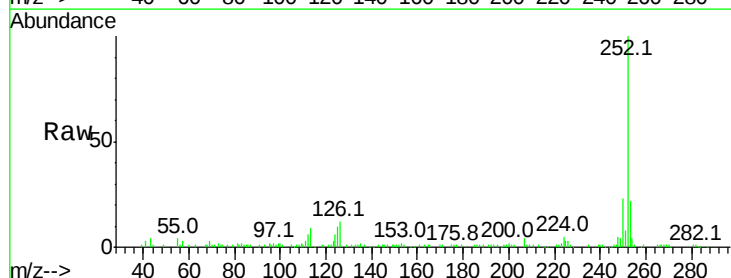
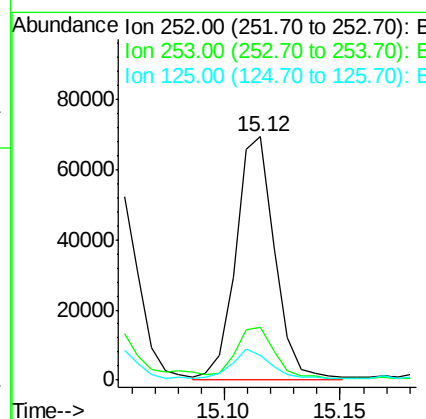
Manual Integrations
APPROVED

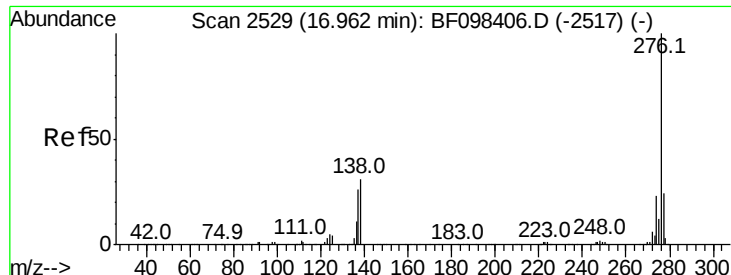
Sohil
9/22/2017 3:31:32 PM



#89
Benzo(a)pyrene
Concen: 7.200 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF098660.D
Acq: 20 Sep 2017 15:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	10.2	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 3.827 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. -0.01 min
 Lab File: BF098660.D
 Acq: 20 Sep 2017 15:17

Instrument :
 BNA_F
 ClientSampleId :
 CSTP-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	31.6	18.6	28.0#
138	25.1	25.4	38.0#

Manual Integrations
 APPROVED

Sohil
 9/22/2017 3:31:32 PM

