

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
 Data File : BF098670.D
 Acq On : 20 Sep 2017 19:56
 Operator : SJ/JU
 Sample : I5285-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSTP-2

Manual Integrations
 APPROVED

Sohil
 9/22/2017 3:31:44 PM

Quant Time: Sep 21 08:48:07 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	102008	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	421270	20.00	ng	-0.02
38) Acenaphthene-d10	9.65	164	180803	20.00	ng	-0.02
63) Phenanthrene-d10	11.14	188	278047	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	199630	20.00	ng	-0.01
86) Perylene-d12	15.17	264	198322	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	659757	95.63	ng	0.00
7) Phenol-d6	6.27	99	826416	94.34	ng	-0.02
23) Nitrobenzene-d5	7.19	82	501955	66.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	132478	109.78	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	805555	75.52	ng	-0.02
78) Terphenyl-d14	12.72	244	490924	53.08	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.38	163	58923	4.210	ng	99
51) Acenaphthene	9.69	154	55045	5.039	ng	94
57) Fluorene	10.20	166	41054	3.447	ng	# 99
70) Phenanthrene	11.16	178	795926	53.997	ng	98
71) Anthracene	11.21	178	188042	12.425	ng	98
72) Carbazole	11.37	167	41237	2.924	ng	97
74) Fluoranthene	12.35	202	977585	66.250	ng	98
77) Pyrene	12.58	202	938241	59.578	ng	100
80) Benzo(a)anthracene	13.77	228	450158	38.462	ng	99
82) Chrysene	13.80	228	399280	33.749	ng	98
85) Indeno(1,2,3-cd)pyrene	16.50	276	164396	19.806	ng	# 86
87) Benzo(b)fluoranthene	14.79	252	529650m	42.474	ng	
88) Benzo(k)fluoranthene	14.81	252	111628m	9.589	ng	
89) Benzo(a)pyrene	15.12	252	375349	33.787	ng	95
90) Dibenzo(a,h)anthracene	16.50	278	43531m	5.387	ng	
91) Benzo(g,h,i)perylene	16.90	276	161665	19.889	ng	# 90

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

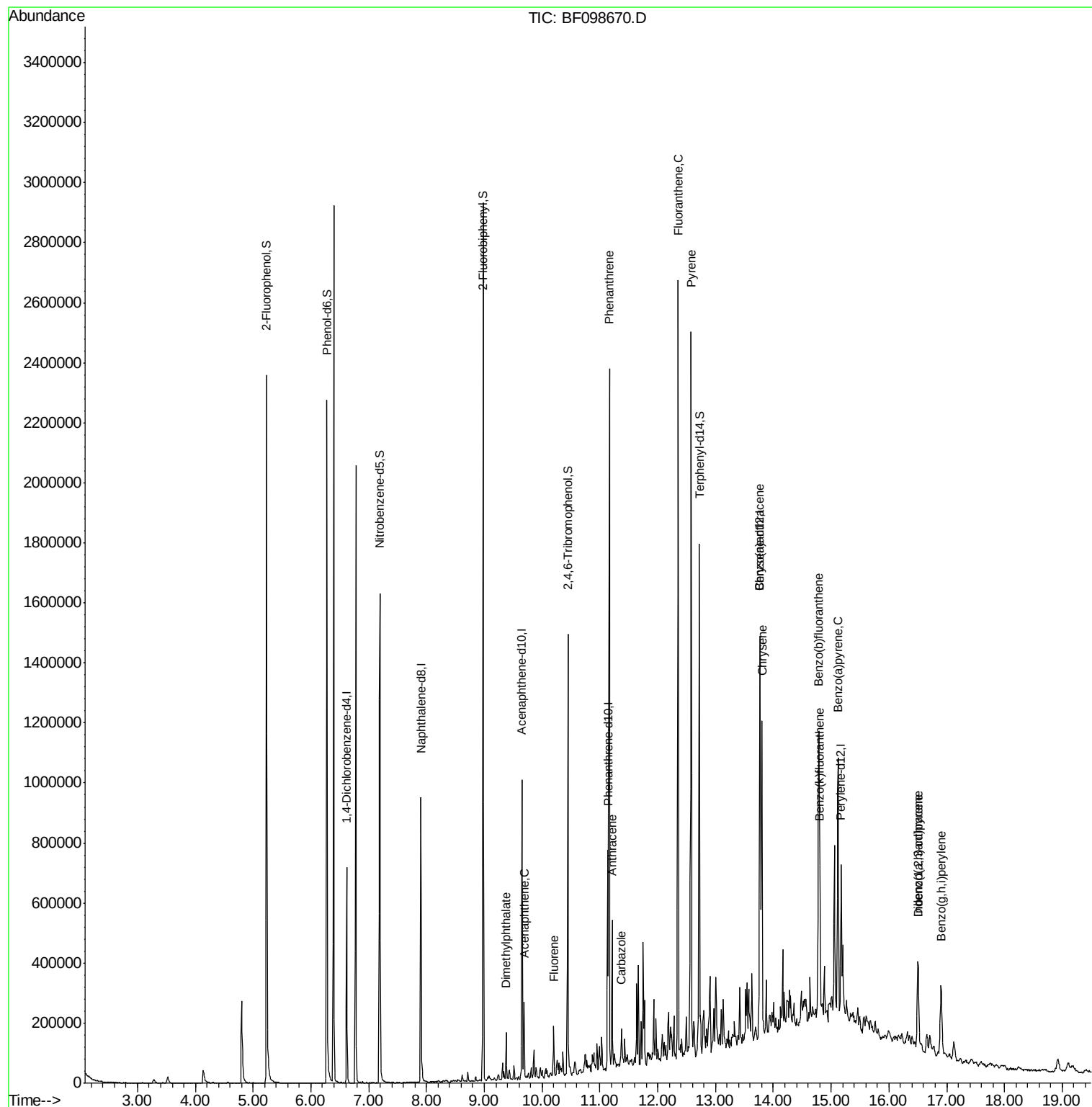
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098670.D
Acq On : 20 Sep 2017 19:56
Operator : SJ/JU
Sample : I5285-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

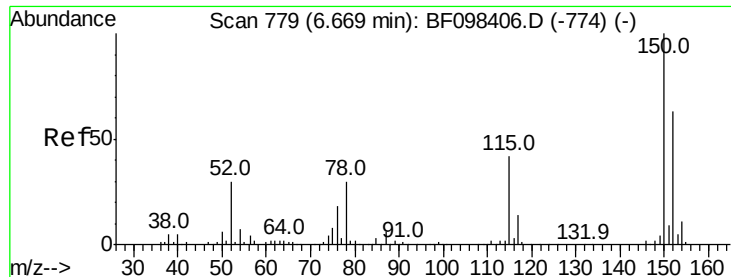
Instrument :
BNA_F
ClientSampleId :
CSTP-2

Manual Integrations
APPROVED

Sohil
9/22/2017 3:31:44 PM

Quant Time: Sep 21 08:48:07 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

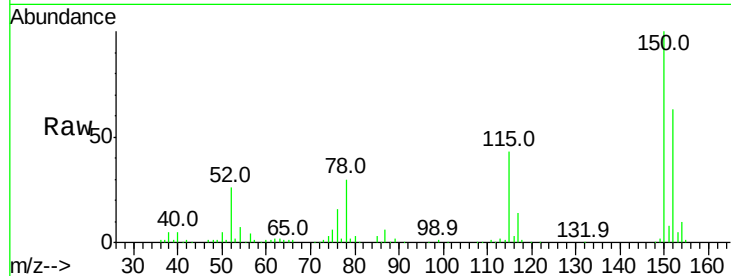
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 770
Delta R.T. -0.02 min
Lab File: BF098670.D
Acq: 20 Sep 2017 19:56

Instrument :
BNA_F
ClientSampled :
CSTP-2

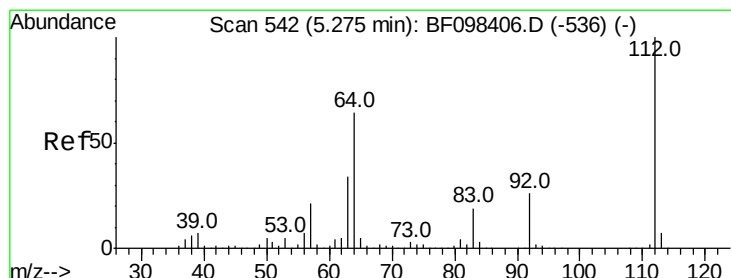
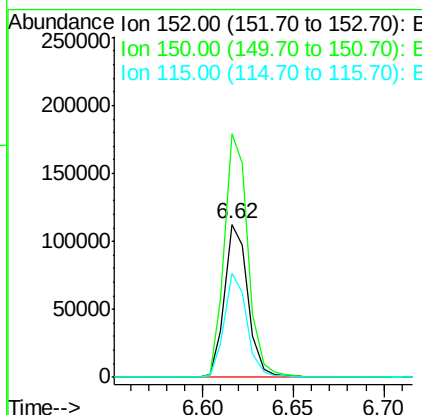
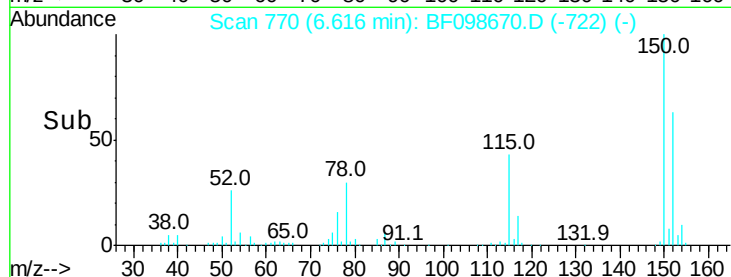
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.2	189.2
115	67.7	52.2	78.2

Manual Integrations
APPROVED

Sohil
9/22/2017 3:31:44 PM



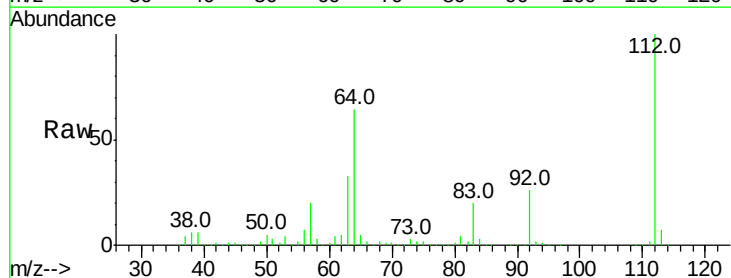
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



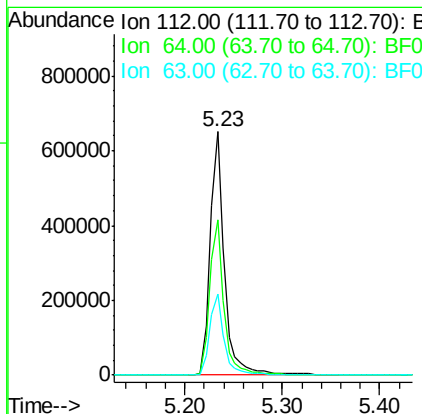
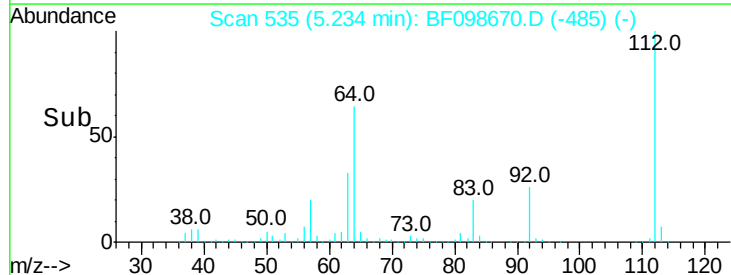
#5

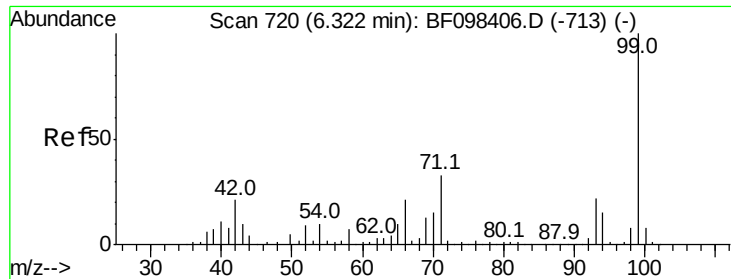
2-Fluorophenol
Concen: 95.626 ng
RT: 5.23 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF098670.D
Acq: 20 Sep 2017 19:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	46.0	69.0
63	33.2	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: 94.342 ng

RT: 6.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF098670.D

Acq: 20 Sep 2017 19:56

Instrument :

BNA_F

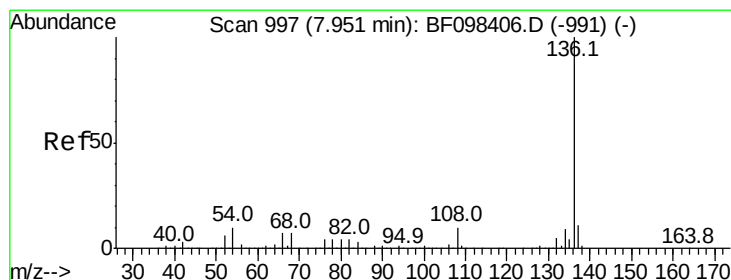
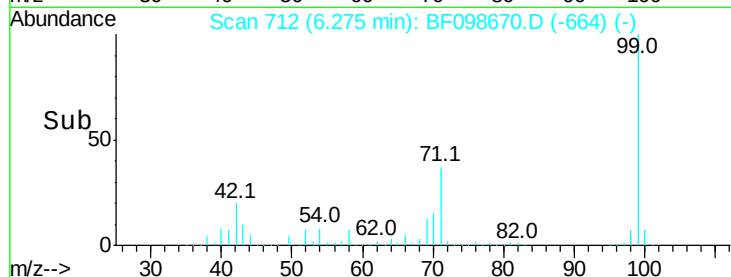
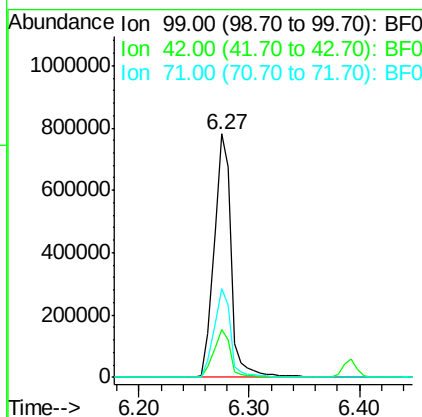
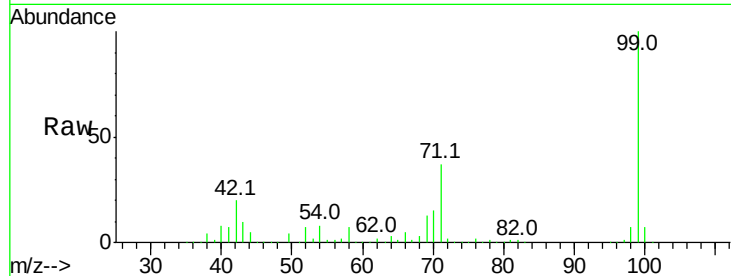
ClientSampled :

CSTP-2

Tot Ion:	99	Resp:	826416
Ion Ratio	Lower	Upper	
99	100		
42	19.6	13.5	20.3
71	36.6	24.5	36.7

Manual Integrations
APPROVED

Sohil
9/22/2017 3:31:44 PM



#21

Naphthalene-d8

Concen: 20.000 ng

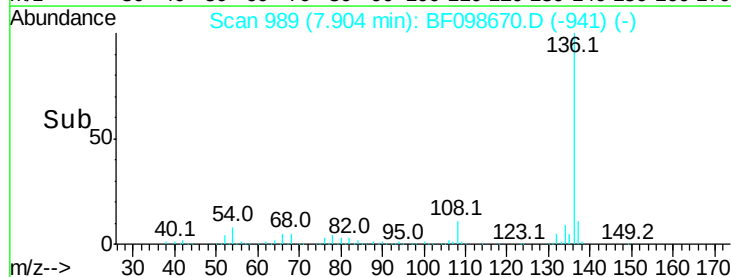
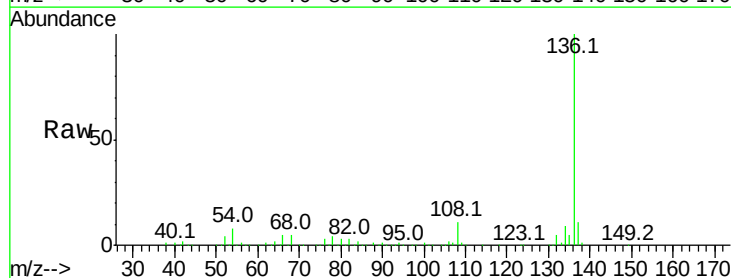
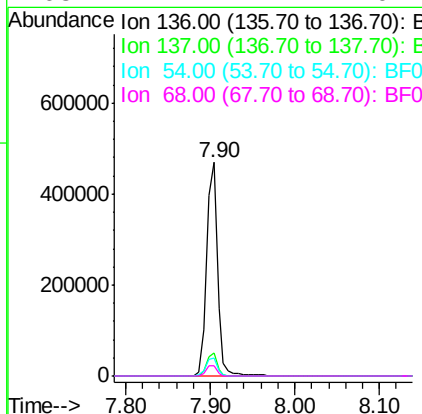
RT: 7.90 min Scan# 989

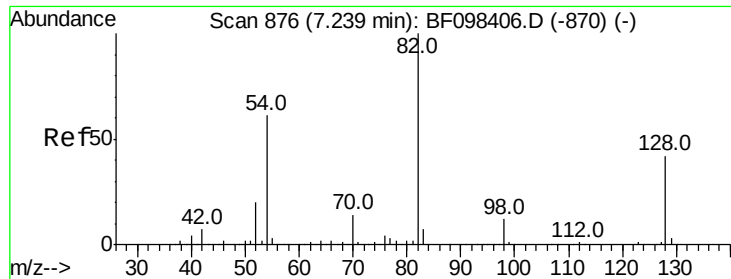
Delta R.T. -0.02 min

Lab File: BF098670.D

Acq: 20 Sep 2017 19:56

Tgt Ion:	136	Resp:	421270
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	8.2	4.9	7.3#
68	4.7	4.1	6.1





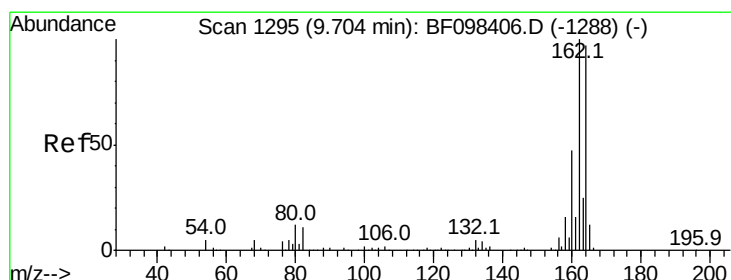
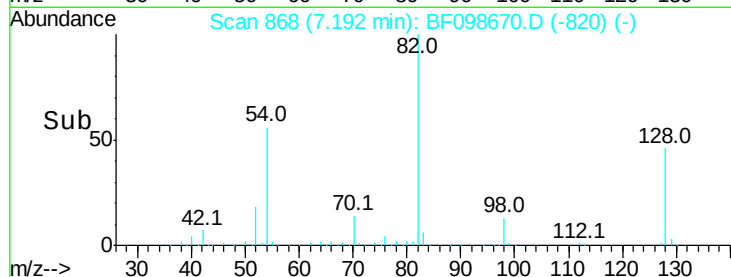
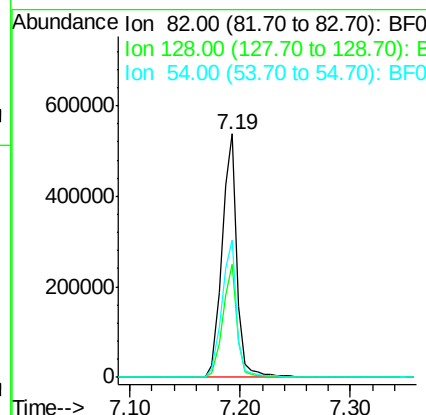
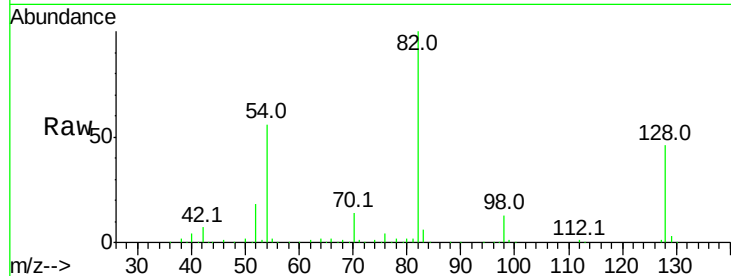
#23
 Nitrobenzene-d5
 Concen: 66.427 ng
 RT: 7.19 min Scan# 868
 Delta R.T. -0.02 min
 Lab File: BF098670.D
 Acq: 20 Sep 2017 19:56

Instrument :
 BNA_F
 ClientSampled :
 CSTP-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.0	51.0
54	56.3	42.2	63.2

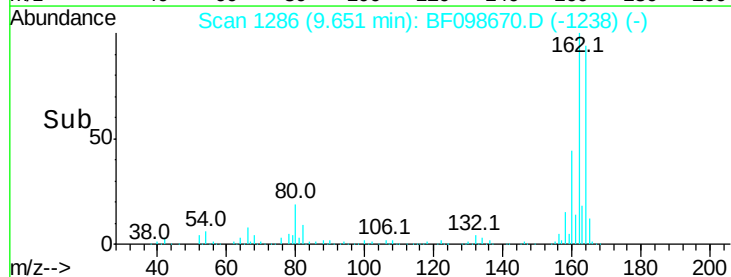
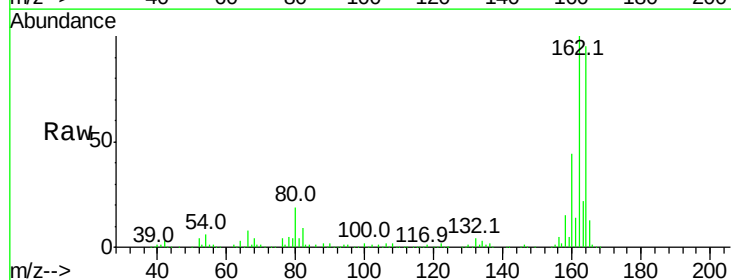
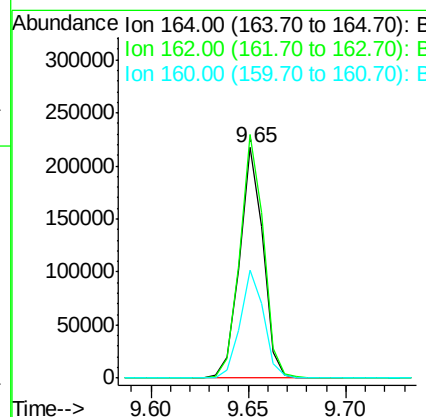
Manual Integrations
 APPROVED

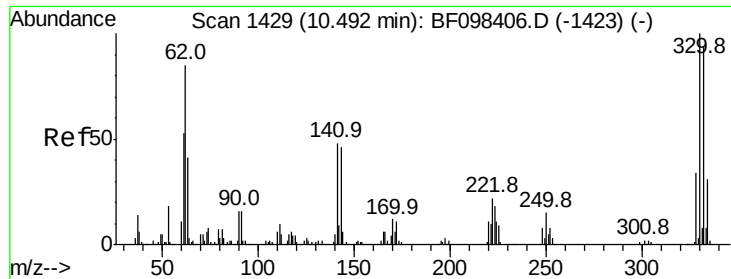
Sohil
 9/22/2017 3:31:44 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.65 min Scan# 1286
 Delta R.T. -0.02 min
 Lab File: BF098670.D
 Acq: 20 Sep 2017 19:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	82.6	123.8
160	46.7	36.2	54.2





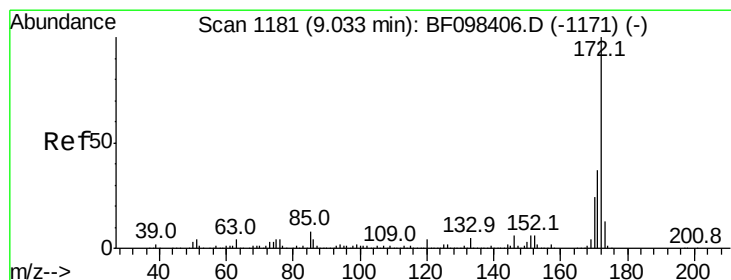
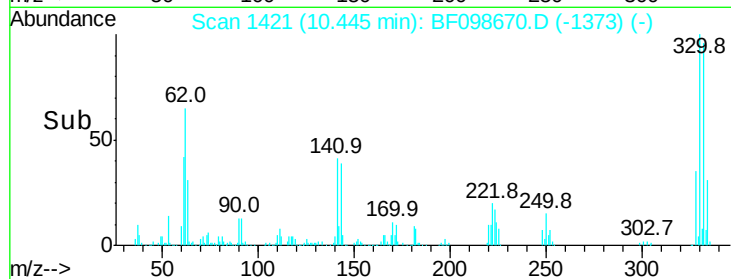
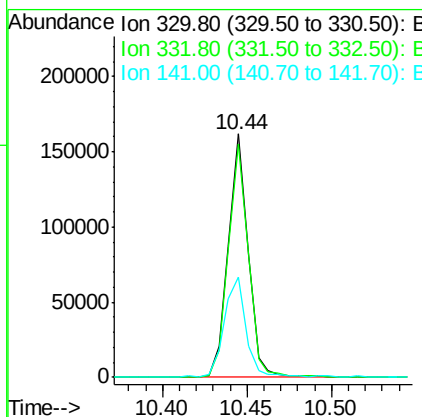
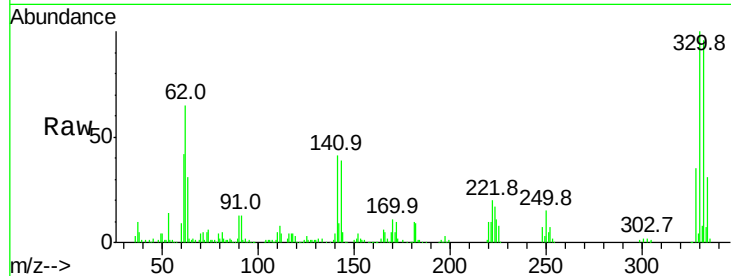
#41
 2,4,6-Tribromophenol
 Concen: 109.784 ng
 RT: 10.44 min Scan# 1421
 Delta R.T. -0.02 min
 Lab File: BF098670.D
 Acq: 20 Sep 2017 19:56

Instrument :
 BNA_F
 ClientSampled :
 CSTP-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	76.6	115.0	
141	46.1	31.4	47.2	

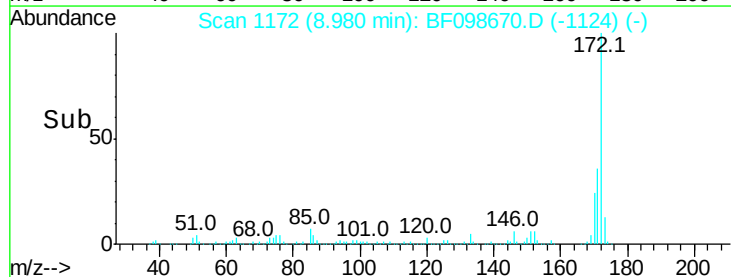
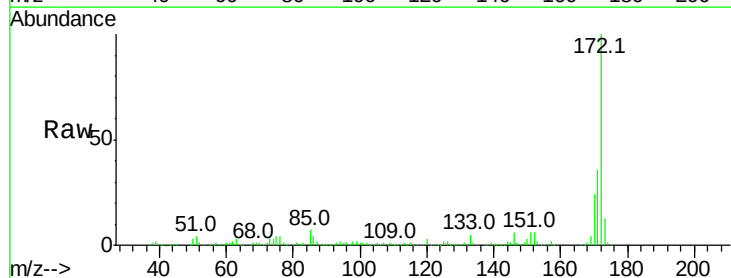
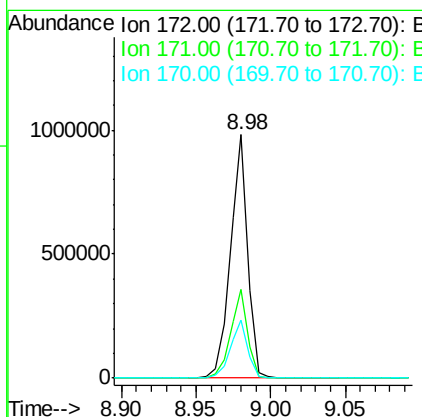
Manual Integrations
 APPROVED

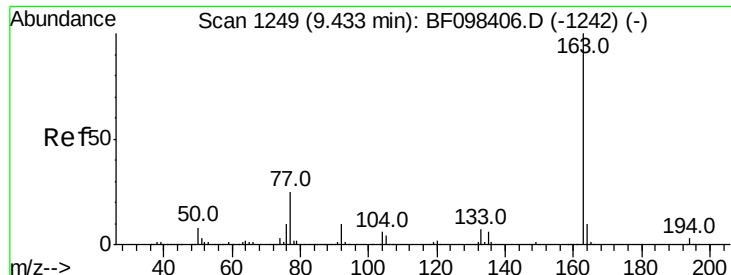
Sohil
 9/22/2017 3:31:44 PM



#44
 2-Fluorobiphenyl
 Concen: 75.516 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF098670.D
 Acq: 20 Sep 2017 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.6	44.4	
170	23.9	19.8	29.8	





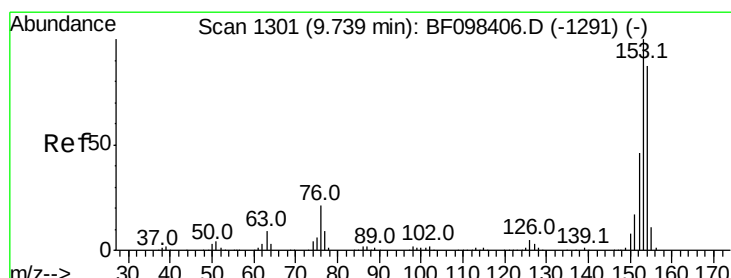
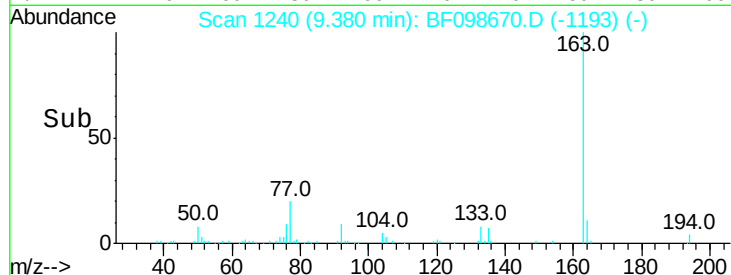
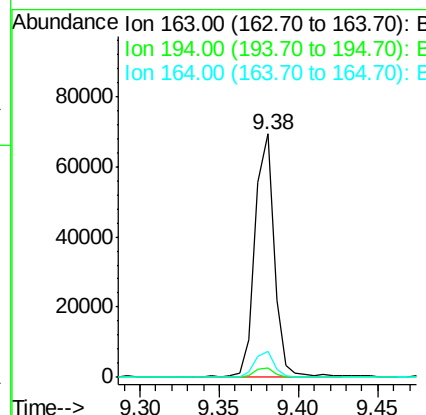
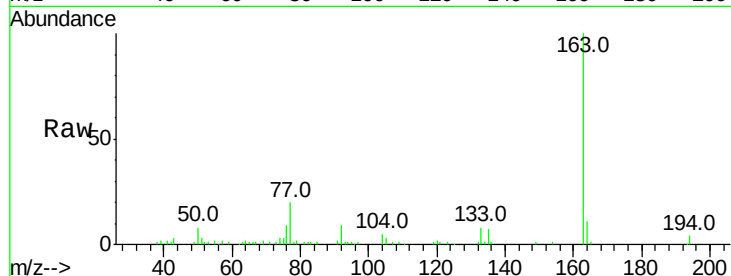
#49
Dimethylphthalate
Concen: 4.210 ng
RT: 9.38 min Scan# 1240
Delta R.T. -0.02 min
Lab File: BF098670.D
Acq: 20 Sep 2017 19:56

Instrument :
BNA_F
ClientSampleId :
CSTP-2

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	2.6	4.0	
164	10.9	8.4	12.6	

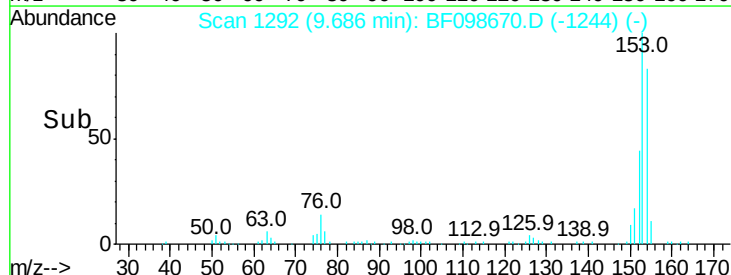
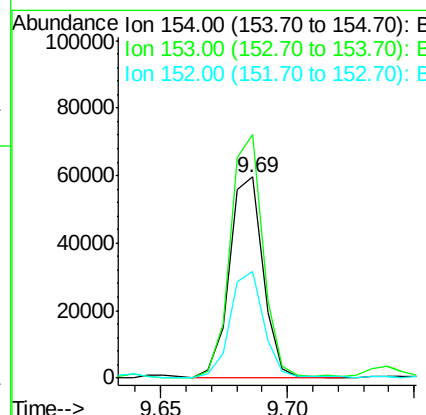
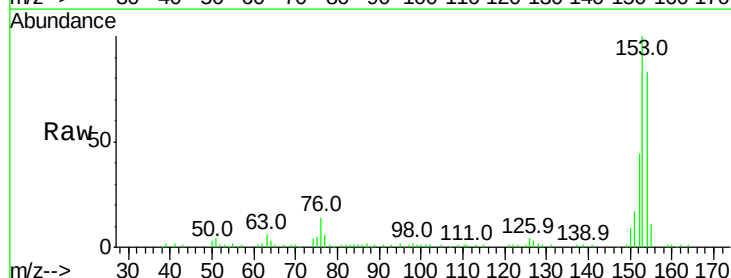
Manual Integrations
APPROVED

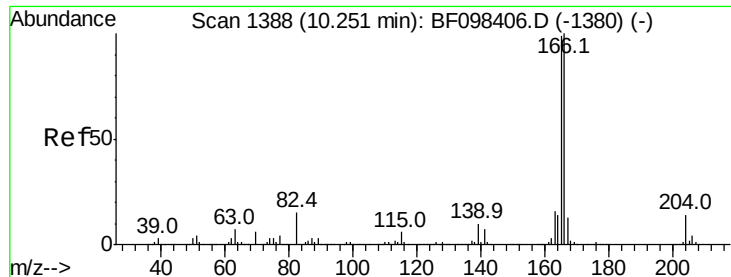
Sohil
9/22/2017 3:31:44 PM



#51
Acenaphthene
Concen: 5.039 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF098670.D
Acq: 20 Sep 2017 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	121.1	90.5	135.7	
152	53.4	43.6	65.4	





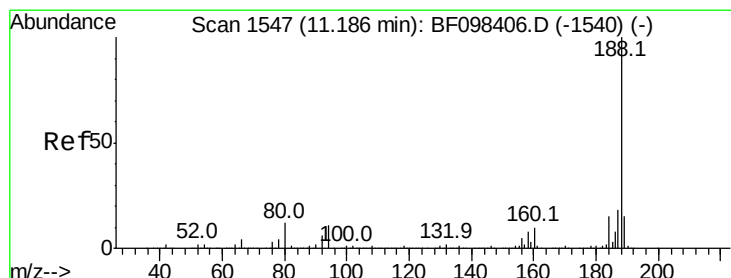
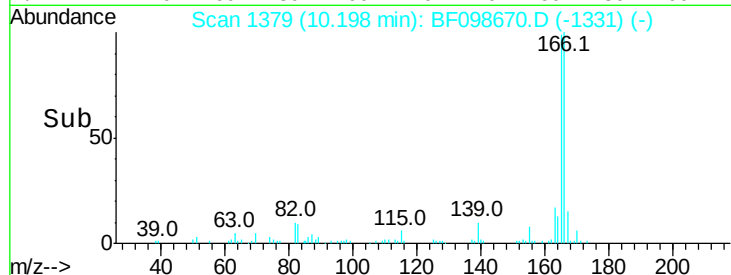
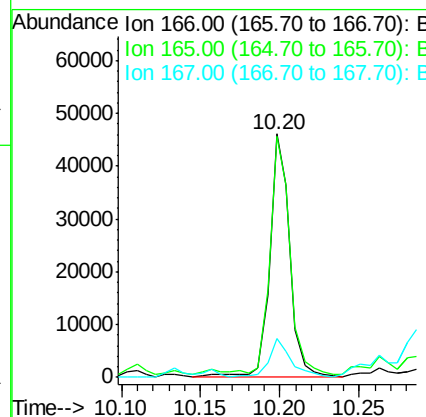
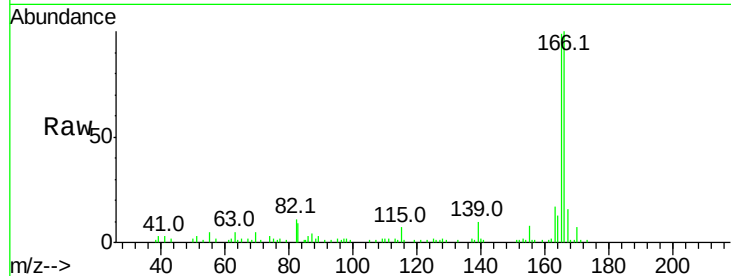
#57
Fluorene
 Concen: 3.447 ng
 RT: 10.20 min Scan# 1379
 Delta R.T. -0.02 min
 Lab File: BF098670.D
 Acq: 20 Sep 2017 19:56

Instrument :
 BNA_F
 ClientSampleId :
 CSTP-2

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.8	118.2
167	16.0	10.6	16.0#

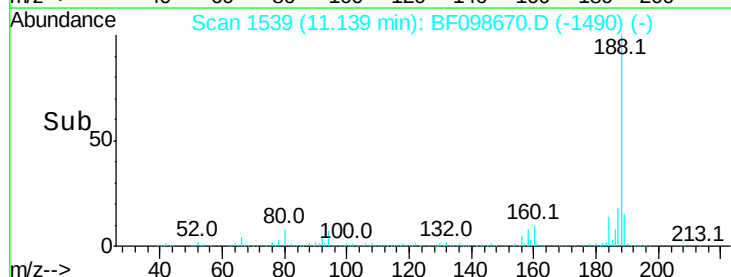
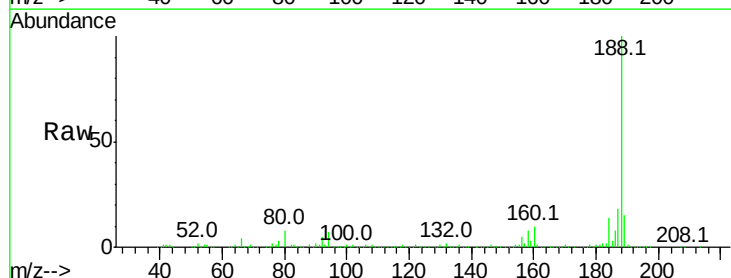
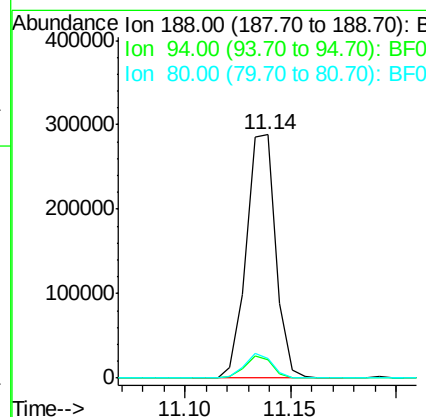
Manual Integrations
 APPROVED

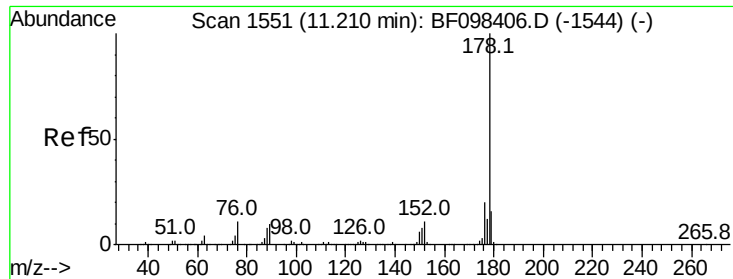
Sohil
 9/22/2017 3:31:44 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.14 min Scan# 1539
 Delta R.T. -0.01 min
 Lab File: BF098670.D
 Acq: 20 Sep 2017 19:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	9.4	14.2#
80	7.9	10.2	15.2#





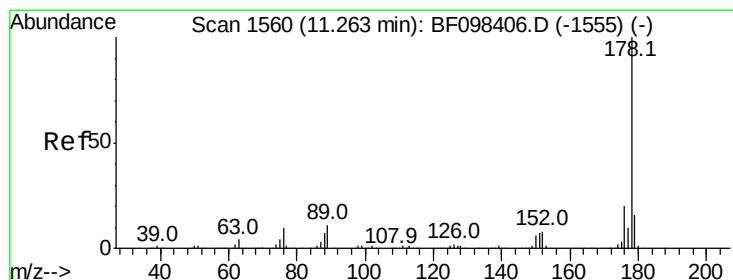
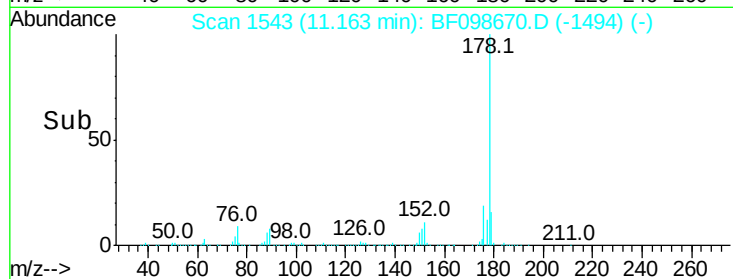
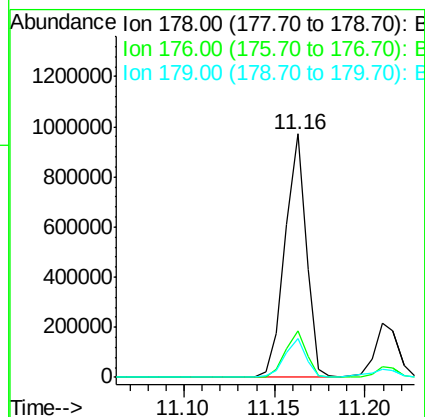
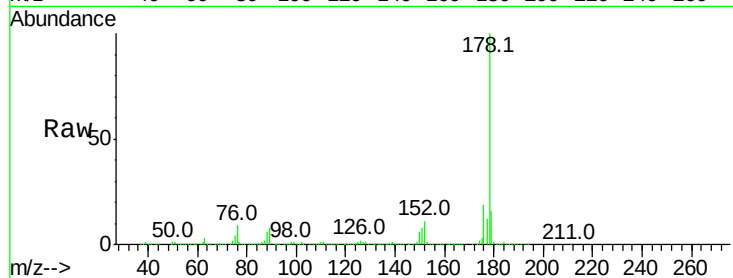
#70
Phenanthrene
Concen: 53.997 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF098670.D
Acq: 20 Sep 2017 19:56

Instrument :
BNA_F
ClientSampleId :
CSTP-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.9	12.6	19.0

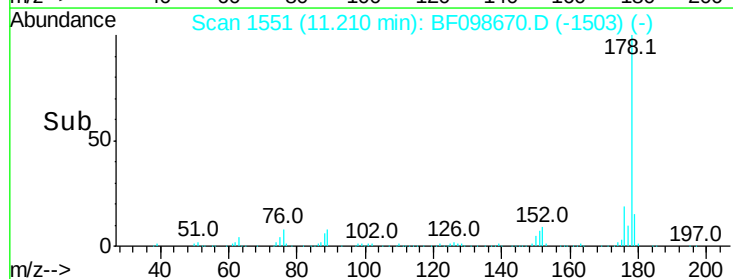
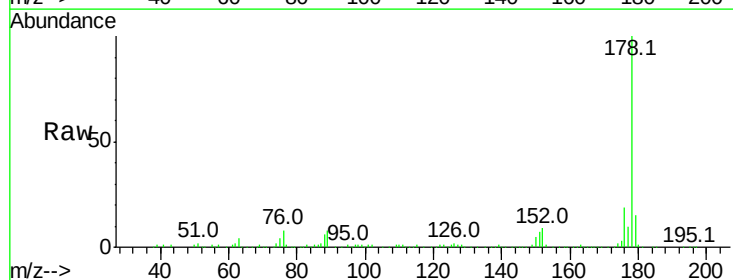
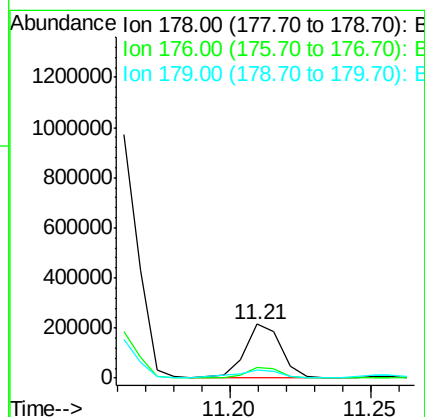
Manual Integrations
APPROVED

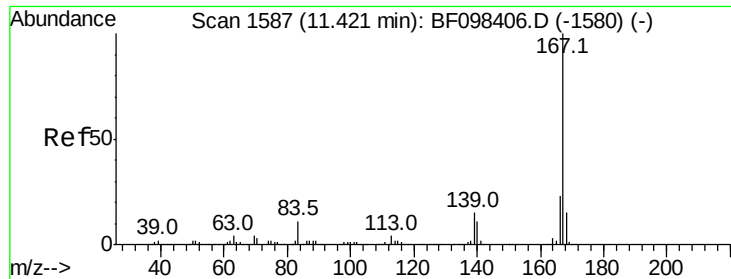
Sohil
9/22/2017 3:31:44 PM



#71
Anthracene
Concen: 12.425 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF098670.D
Acq: 20 Sep 2017 19:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.0	12.7	19.1





#72

Carbazole

Concen: 2.924 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF098670.D

Acq: 20 Sep 2017 19:56

Instrument :

BNA_F

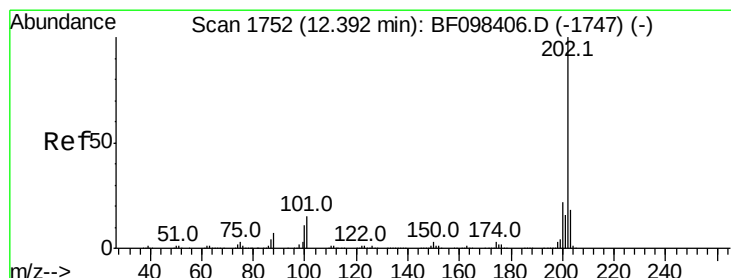
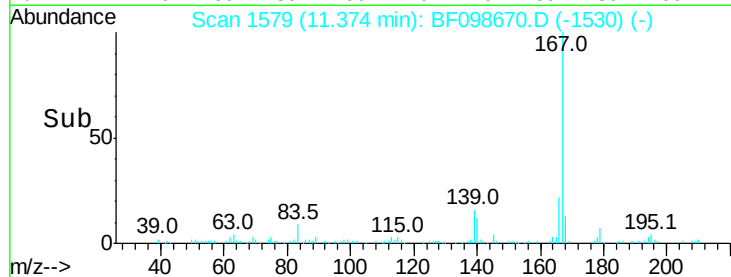
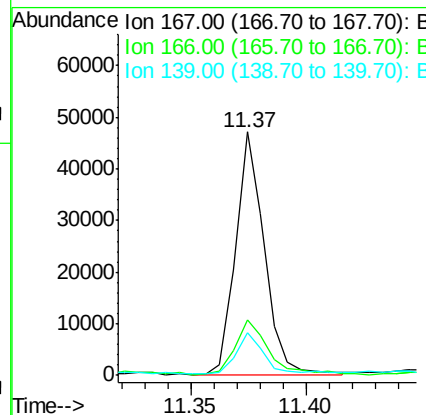
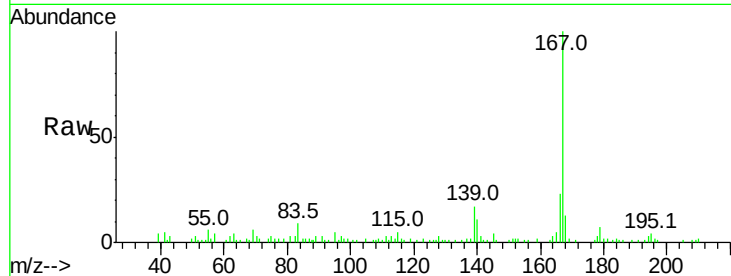
ClientSampleId :

CSTP-2

Tot Ion:	167	Resp:	41237
Ion Ratio	Lower	Upper	
167	100		
166	22.9	18.1	27.1
139	17.3	11.7	17.5

Manual Integrations
APPROVED

Sohil
9/22/2017 3:31:44 PM



#74

Fluoranthene

Concen: 66.250 ng

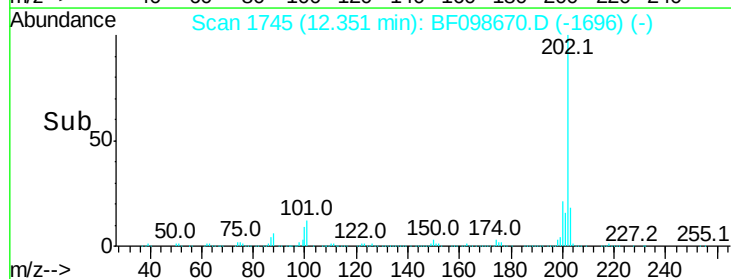
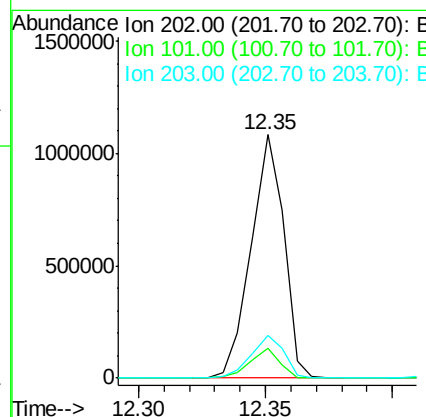
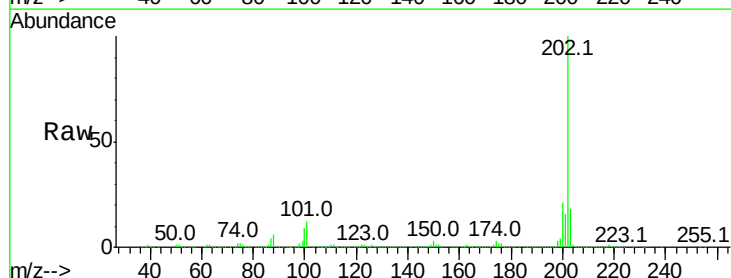
RT: 12.35 min Scan# 1745

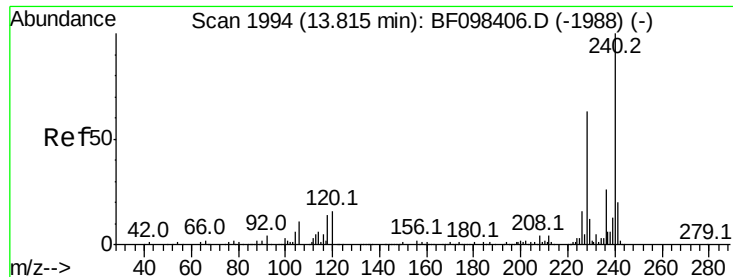
Delta R.T. -0.01 min

Lab File: BF098670.D

Acq: 20 Sep 2017 19:56

Tgt Ion:	202	Resp:	977585
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	33.2
203	17.7	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: BF098670.D

Acq: 20 Sep 2017 19:56

Instrument :

BNA_F

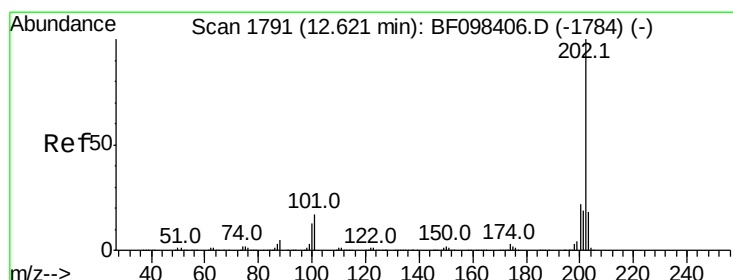
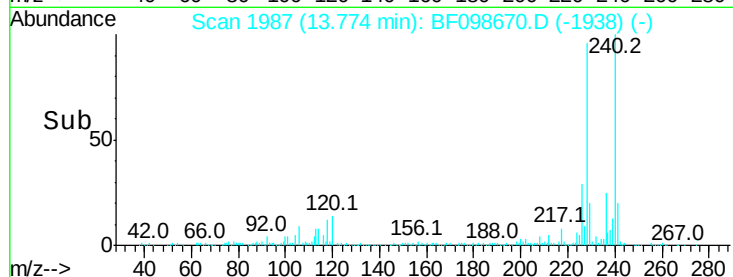
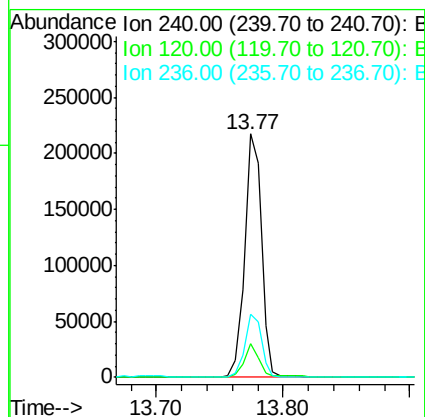
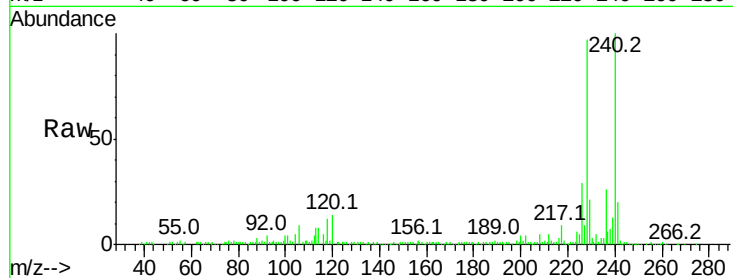
ClientSampled :

CSTP-2

Tot Ion:	240	Resp:	199630
Ion Ratio	Lower	Upper	
240	100		
120	13.9	5.8	8.8#
236	25.7	20.5	30.7

Manual Integrations
APPROVED

Sohil
9/22/2017 3:31:44 PM



#77

Pyrene

Concen: 59.578 ng

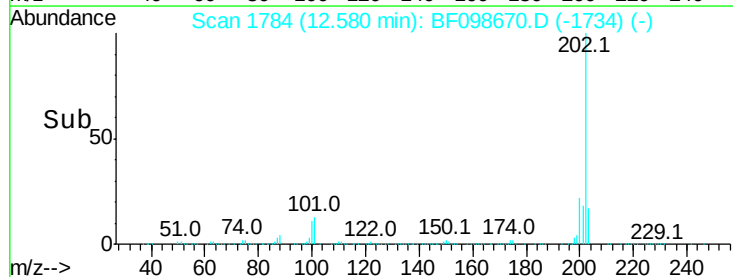
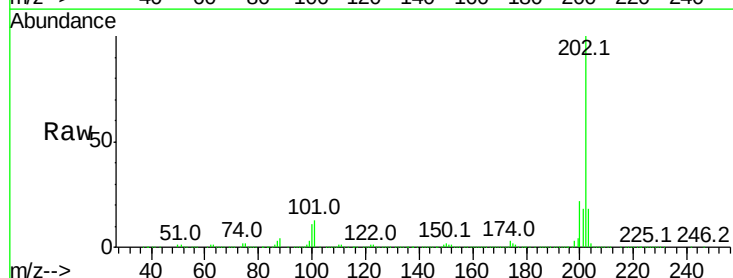
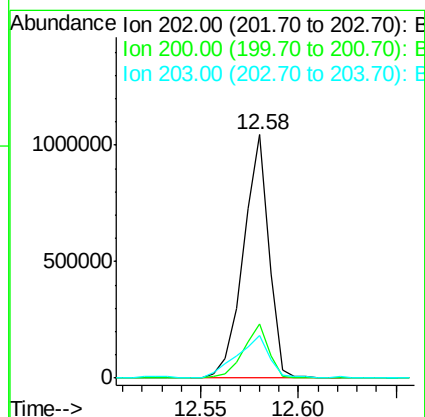
RT: 12.58 min Scan# 1784

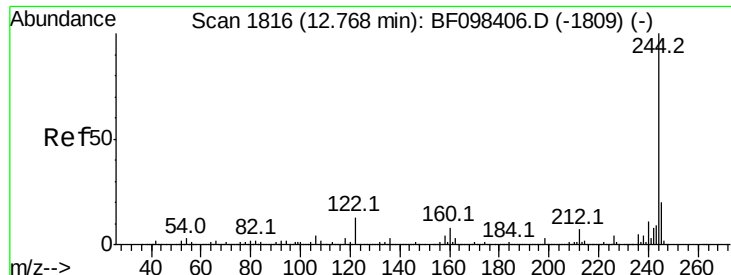
Delta R.T. -0.01 min

Lab File: BF098670.D

Acq: 20 Sep 2017 19:56

Tgt Ion:	202	Resp:	938241
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.6	26.4
203	17.6	14.4	21.6





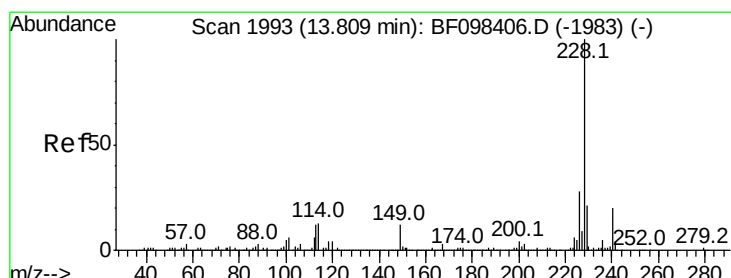
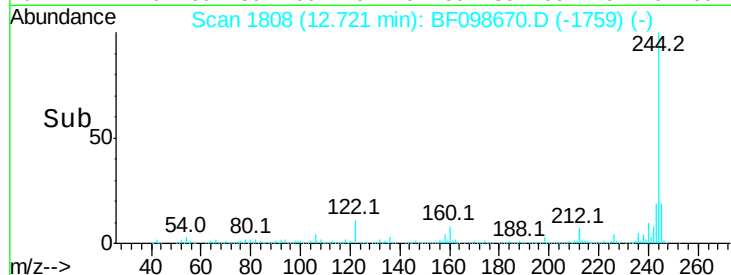
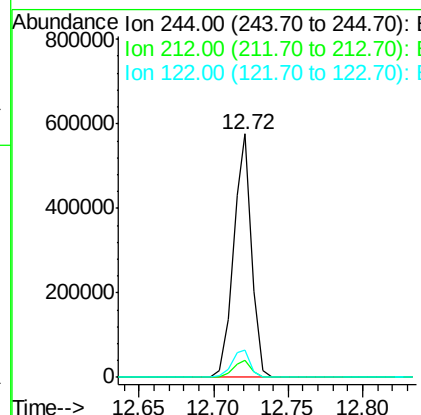
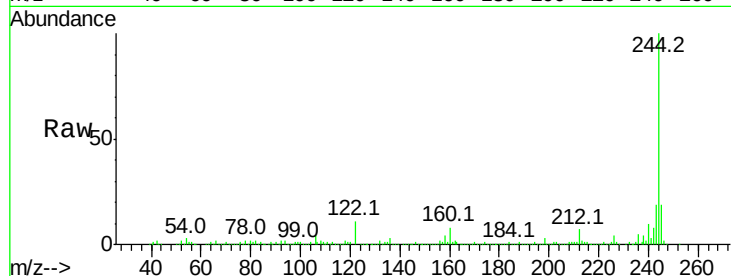
#78
 Terphenyl-d14
 Concen: 53.080 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF098670.D
 Acq: 20 Sep 2017 19:56

Instrument :
 BNA_F
 ClientSampleId :
 CSTP-2

Tot Ion:	244	Resp:	490924
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.0	9.0
122	11.2	10.3	15.5

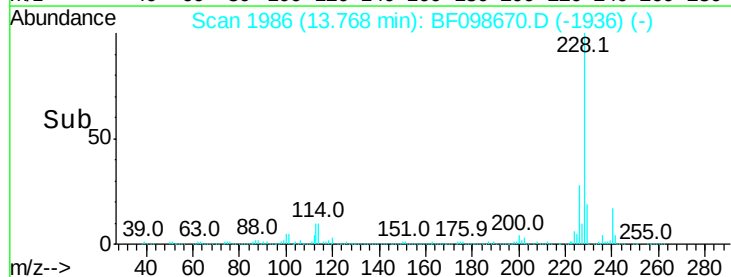
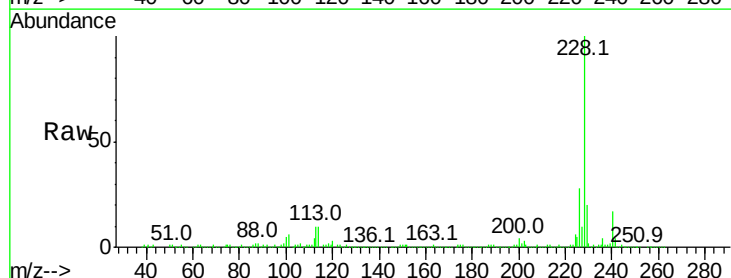
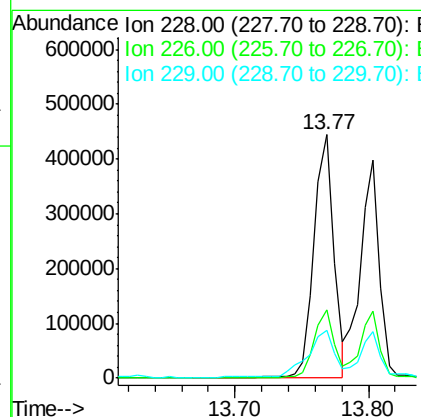
Manual Integrations
 APPROVED

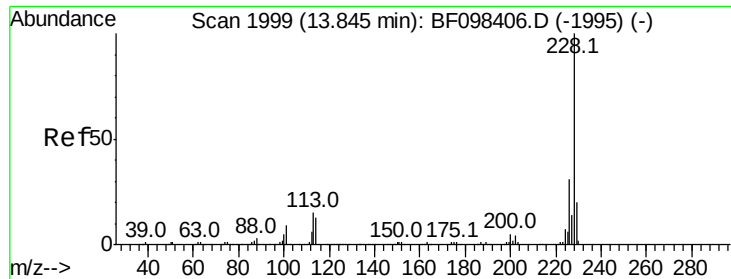
Sohil
 9/22/2017 3:31:44 PM



#80
 Benzo(a)anthracene
 Concen: 38.462 ng
 RT: 13.77 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: BF098670.D
 Acq: 20 Sep 2017 19:56

Tgt Ion:	228	Resp:	450158
Ion Ratio	Lower	Upper	
228	100		
226	28.3	22.6	33.8
229	19.7	16.3	24.5





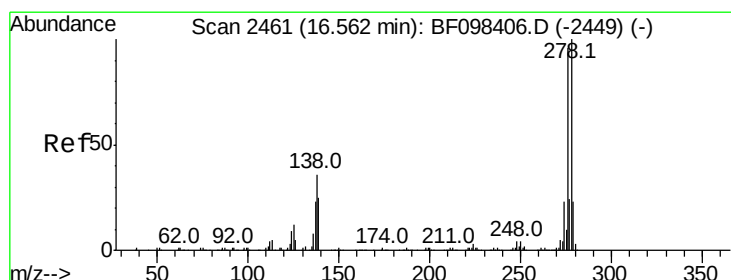
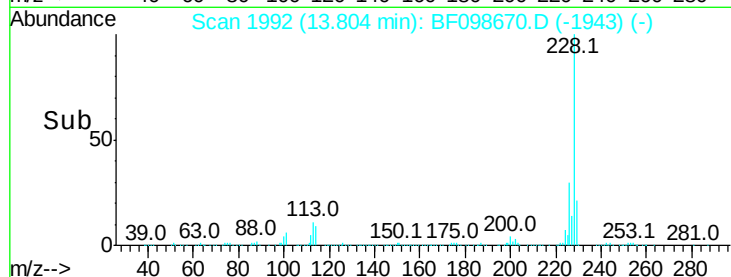
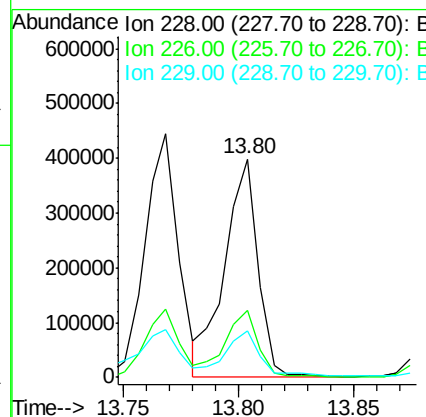
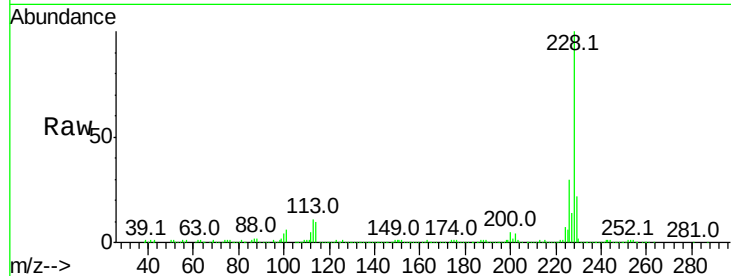
#82
Chrysene
Concen: 33.749 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF098670.D
Acq: 20 Sep 2017 19:56

Instrument :
BNA_F
ClientSampled :
CSTP-2

Tot Ion:	228	Resp:	399280
Ion Ratio		Lower	Upper
228	100		
226	30.4	24.9	37.3
229	21.5	15.8	23.6

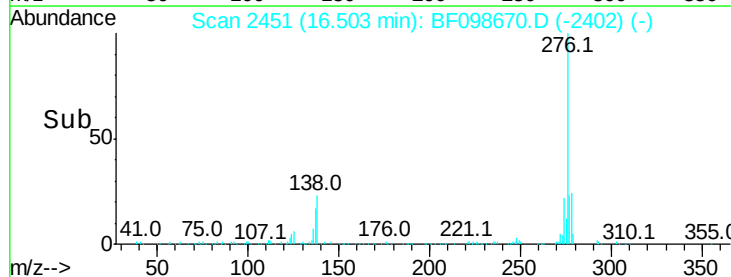
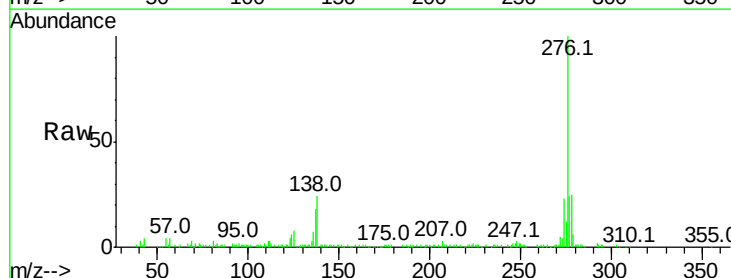
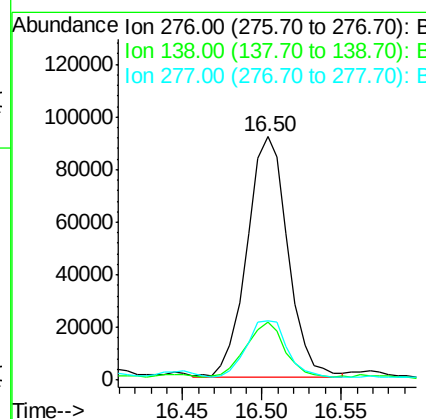
Manual Integrations
APPROVED

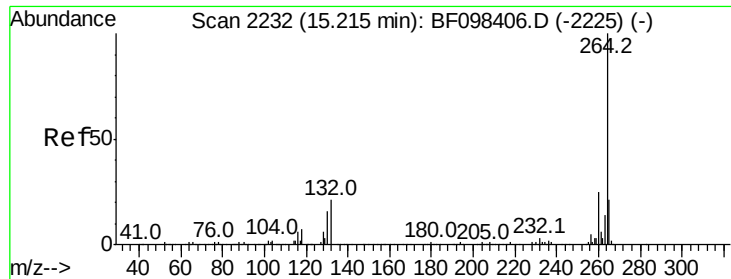
Sohil
9/22/2017 3:31:44 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 19.806 ng
RT: 16.50 min Scan# 2451
Delta R.T. -0.01 min
Lab File: BF098670.D
Acq: 20 Sep 2017 19:56

Tgt Ion:	276	Resp:	164396
Ion Ratio		Lower	Upper
276	100		
138	22.1	27.8	41.6#
277	23.9	20.2	30.4





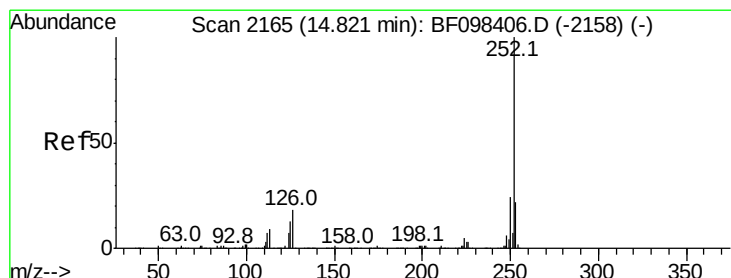
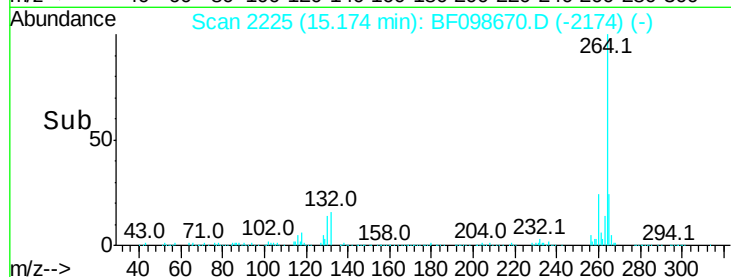
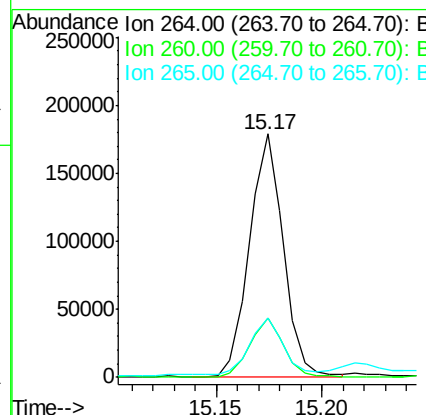
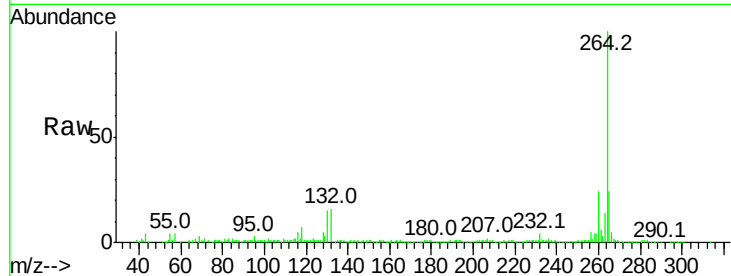
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF098670.D
Acq: 20 Sep 2017 19:56

Instrument :
BNA_F
ClientSampleId :
CSTP-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	24.2	17.2	25.8

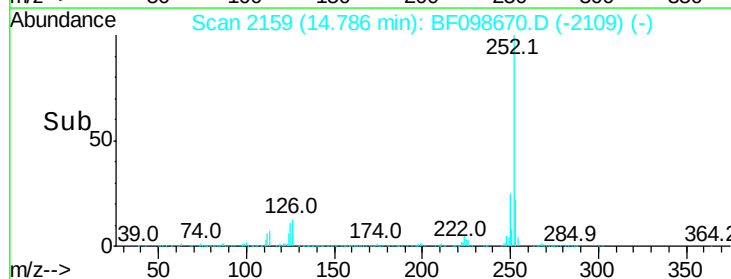
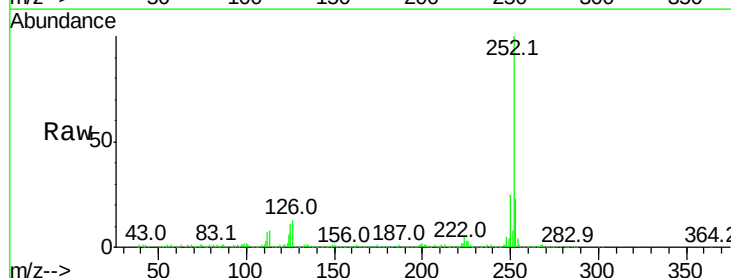
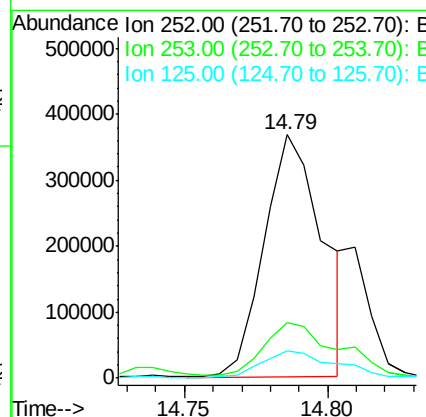
Manual Integrations
APPROVED

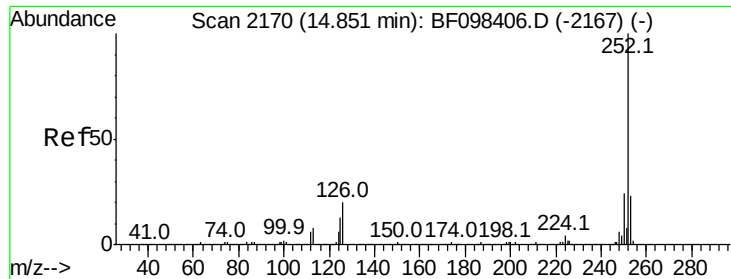
Sohil
9/22/2017 3:31:44 PM



#87
Benzo(b)fluoranthene
Concen: 42.474 ng m
RT: 14.79 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BF098670.D
Acq: 20 Sep 2017 19:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	11.4	9.8	14.8





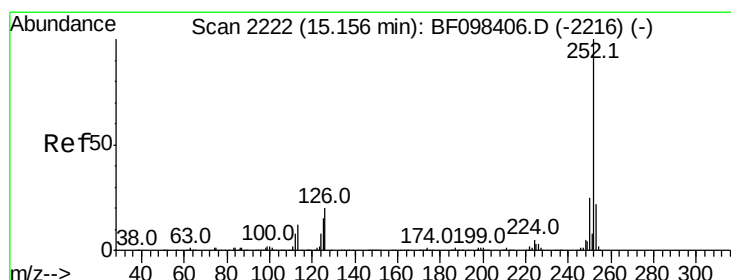
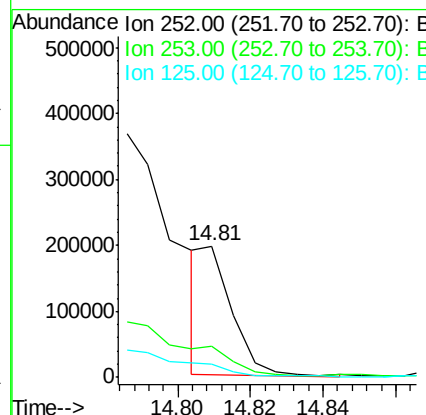
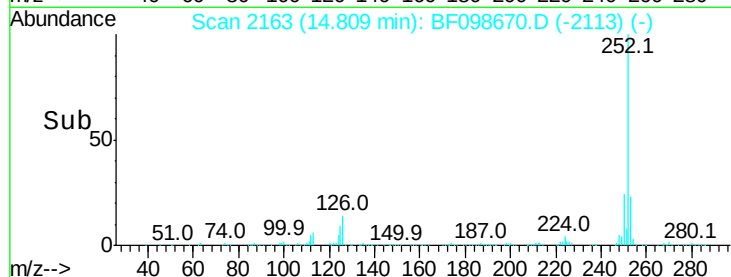
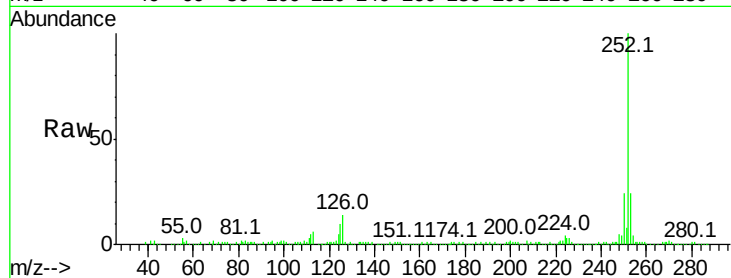
#88
Benzo(k)fluoranthene
Concen: 9.589 ng m
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF098670.D
Acq: 20 Sep 2017 19:56

Instrument :
BNA_F
ClientSampled :
CSTP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.4	27.6
125	9.6	13.1	19.7

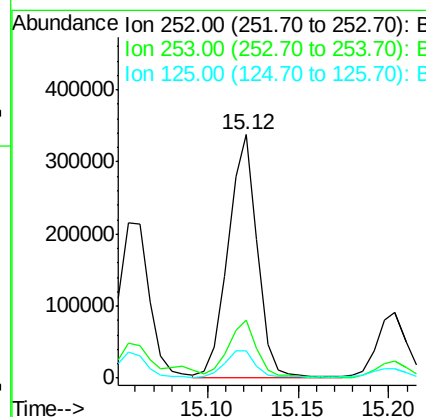
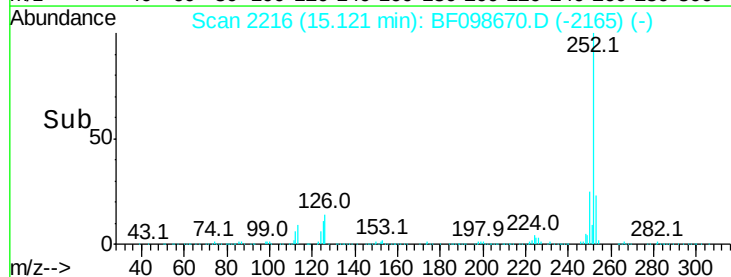
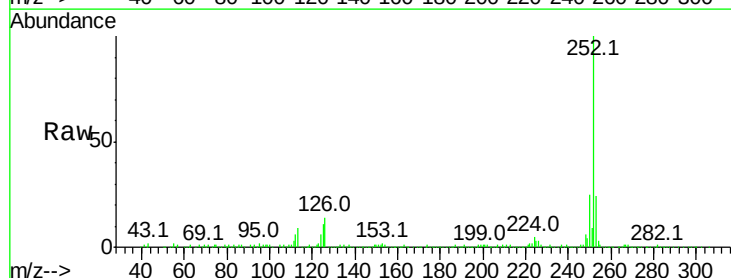
Manual Integrations
APPROVED

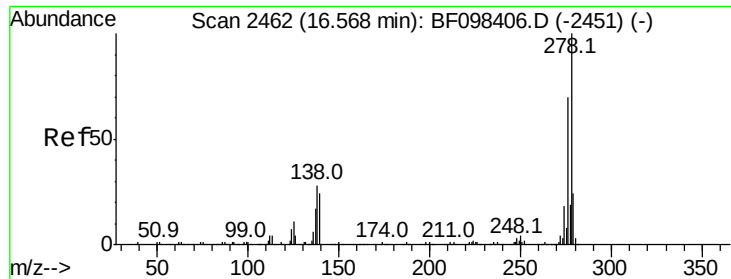
Sohil
9/22/2017 3:31:44 PM



#89
Benzo(a)pyrene
Concen: 33.787 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF098670.D
Acq: 20 Sep 2017 19:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	11.3	11.0	16.4





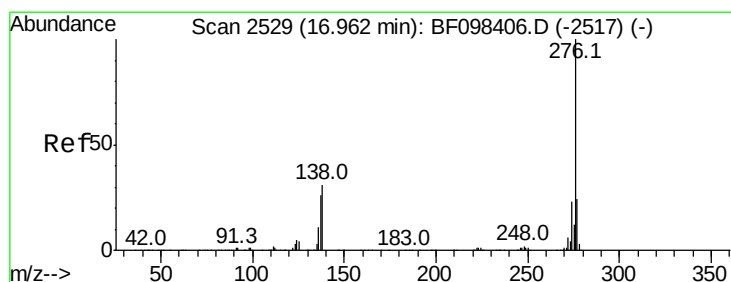
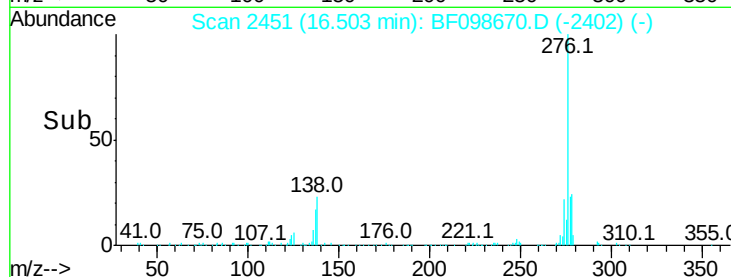
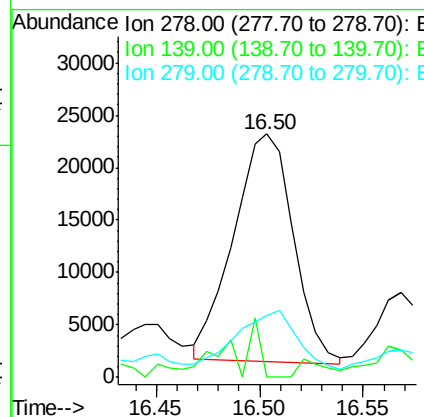
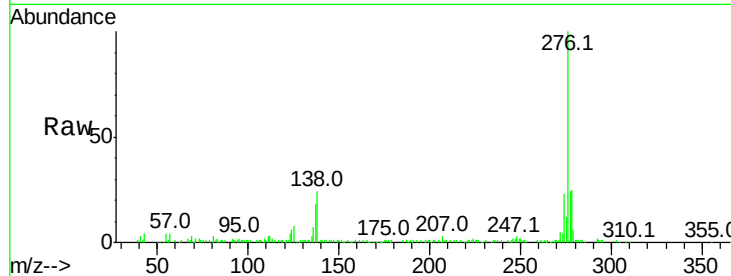
#90
Dibenzo(a,h)anthracene
Concen: 5.387 ng m
RT: 16.50 min Scan# 2451
Delta R.T. -0.01 min
Lab File: BF098670.D
Acq: 20 Sep 2017 19:56

Instrument :
BNA_F
ClientSampleId :
CSTP-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	25.5	19.3	28.9

Manual Integrations
APPROVED

Sohil
9/22/2017 3:31:44 PM



#91
Benzo(g,h,i)perylene
Concen: 19.889 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF098670.D
Acq: 20 Sep 2017 19:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.6	28.0
138	23.2	25.4	38.0#

