

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109291.D
 Acq On : 25 Sep 2018 17:44
 Operator : JU/SJ
 Sample : J4779-05 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-092418-A

Manual Integrations
 APPROVED

Sohil
 9/26/2018 3:41:58 PM

Quant Time: Sep 26 03:31:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	118273	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	452458	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	201841	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	332095	20.00	ng	0.00
75) Chrysene-d12	13.84	240	274326	20.00	ng	0.00
86) Perylene-d12	15.25	264	216775	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	105280	14.66	ng	0.00
7) Phenol-d6	6.34	99	141105	15.40	ng	-0.02
23) Nitrobenzene-d5	7.26	82	80962	10.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	26727	13.43	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	167172	12.49	ng	-0.01
78) Terphenyl-d14	12.80	244	134163	12.00	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.46	163	41811	2.848	ng	98
51) Acenaphthene	9.77	154	28933	2.415	ng	99
57) Fluorene	10.29	166	43849	3.449	ng	95
70) Phenanthrene	11.24	178	442319	26.676	ng	98
71) Anthracene	11.29	178	98436	5.853	ng	99
72) Carbazole	11.44	167	58188	3.477	ng	98
74) Fluoranthene	12.43	202	617103	34.825	ng	96
77) Pyrene	12.66	202	550025	27.976	ng	99
80) Benzo(a)anthracene	13.84	228	277594	16.800	ng	99
82) Chrysene	13.87	228	251217	15.339	ng	97
85) Indeno(1,2,3-cd)pyrene	16.60	276	76632m	5.773	ng	
87) Benzo(b)fluoranthene	14.86	252	222691m	18.695	ng	
88) Benzo(k)fluoranthene	14.87	252	83541m	7.391	ng	
89) Benzo(a)pyrene	15.19	252	154777	14.420	ng	97
90) Dibenzo(a,h)anthracene	16.61	278	24362	2.767	ng	# 87
91) Benzo(g,h,i)perylene	17.00	276	67077	7.751	ng	94

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

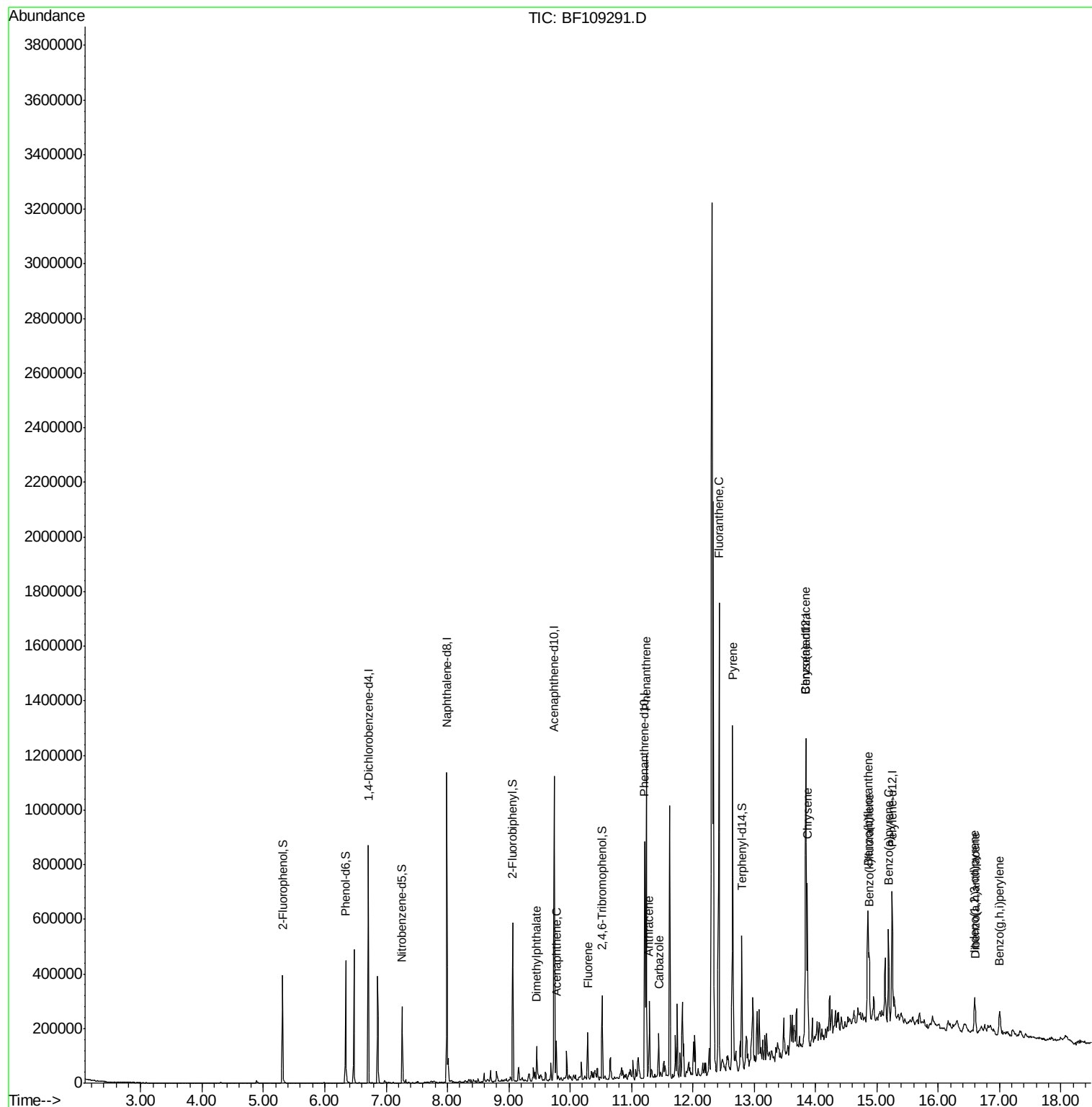
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
Data File : BF109291.D
Acq On : 25 Sep 2018 17:44
Operator : JU/SJ
Sample : J4779-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

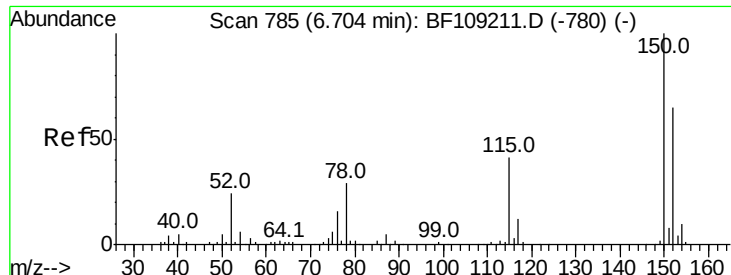
Instrument :
BNA_F
ClientSampleId :
SU-02-092418-A

Manual Integrations
APPROVED

Sohil
9/26/2018 3:41:58 PM

Quant Time: Sep 26 03:31:47 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration





#1

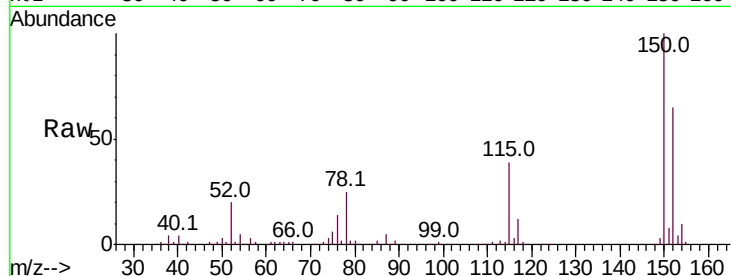
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF109291.D
Acq: 25 Sep 2018 17:44

Instrument :
BNA_F
ClientSampleId :
SU-02-092418-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.6	186.8
115	59.4	50.1	75.1

Manual Integrations
APPROVED

Sohil
9/26/2018 3:41:58 PM

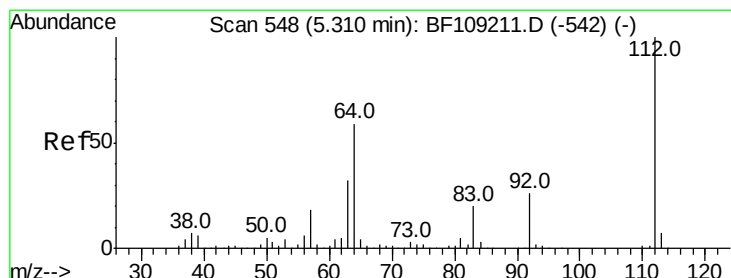
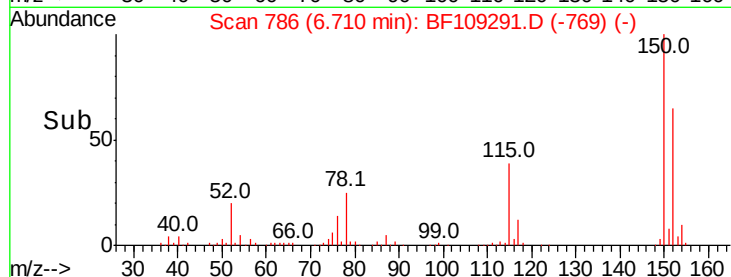
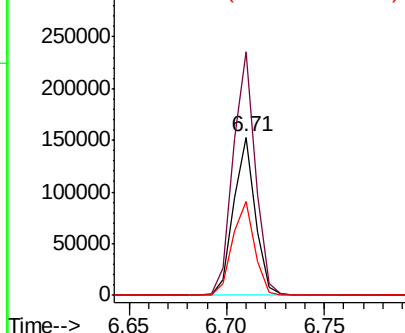


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

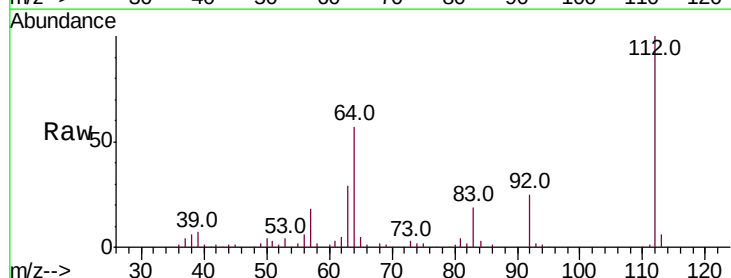
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.661 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109291.D
Acq: 25 Sep 2018 17:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.9	71.9
63	29.1	23.7	35.5

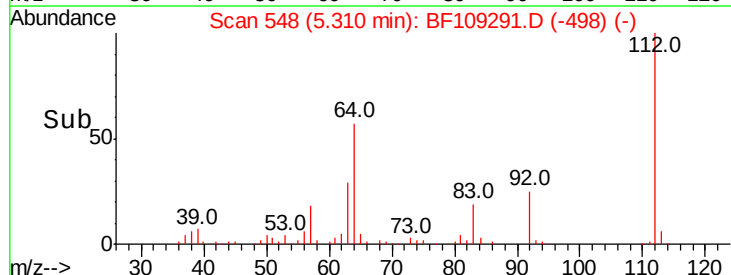
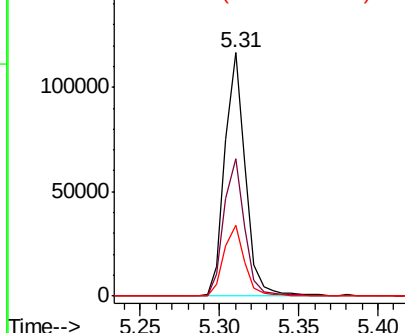


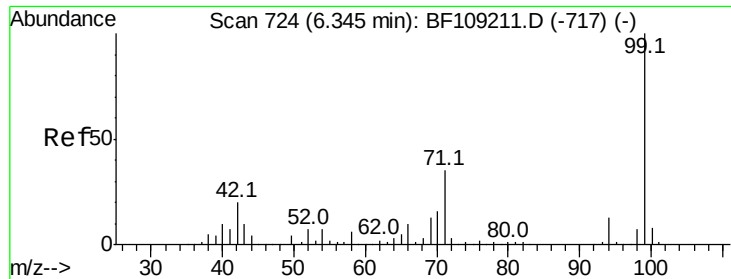
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 15.400 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109291.D

Acq: 25 Sep 2018 17:44

Instrument :

BNA_F

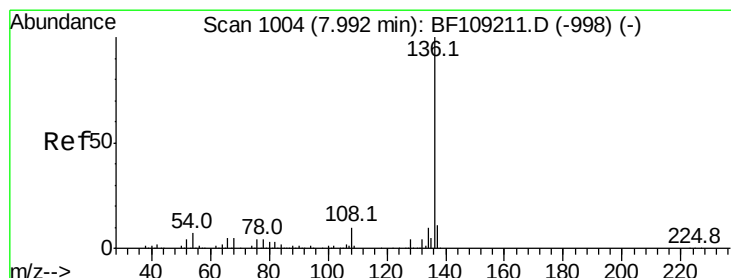
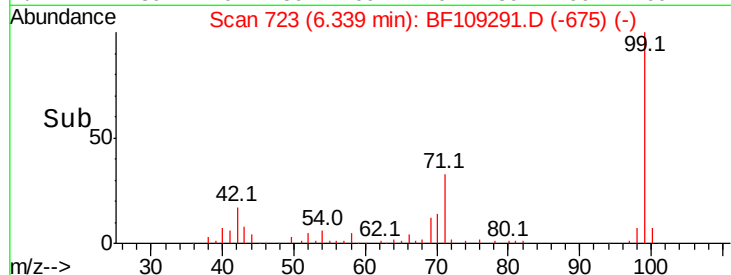
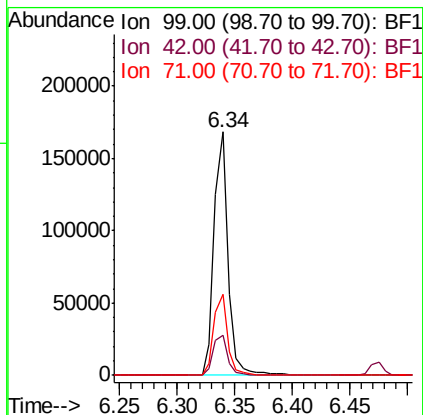
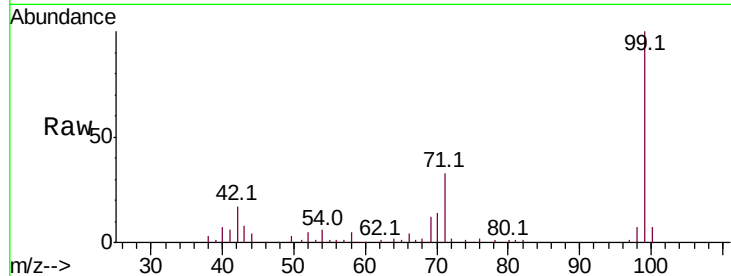
ClientSampleId :

SU-02-092418-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		141105		
42	16.7	14.5	21.7		
71	33.4	25.4	38.0		

Manual Integrations
APPROVED

Sohil
9/26/2018 3:41:58 PM



#21

Naphthalene-d8

Concen: 20.000 ng

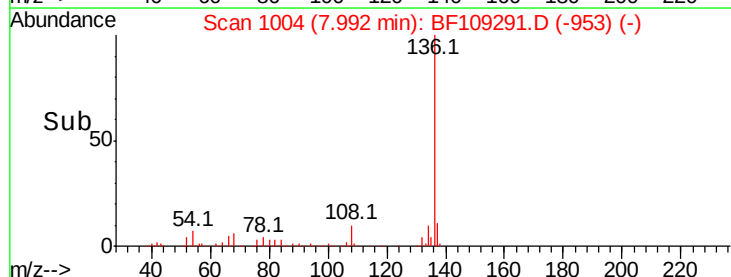
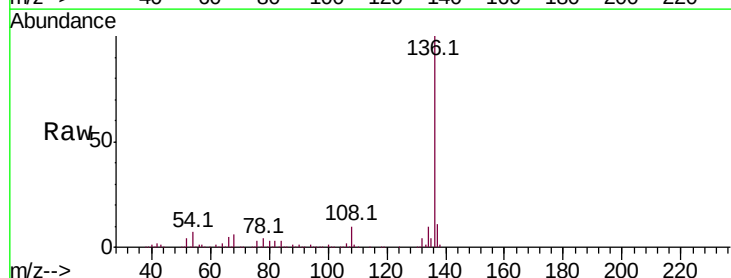
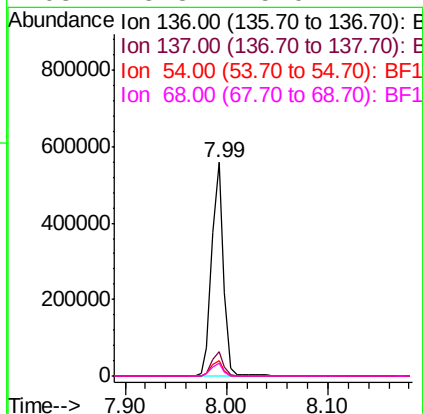
RT: 7.99 min Scan# 1004

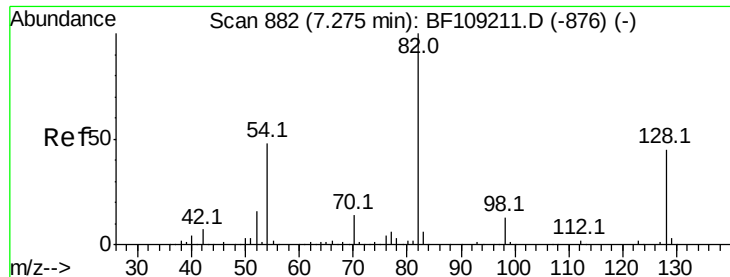
Delta R.T. -0.00 min

Lab File: BF109291.D

Acq: 25 Sep 2018 17:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		452458		
137	11.2	8.9	13.3		
54	7.2	6.6	9.8		
68	5.8	5.0	7.4		





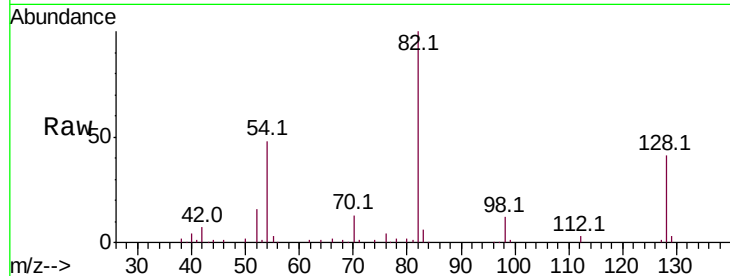
#23
 Nitrobenzene-d5
 Concen: 10.563 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109291.D
 Acq: 25 Sep 2018 17:44

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-092418-A

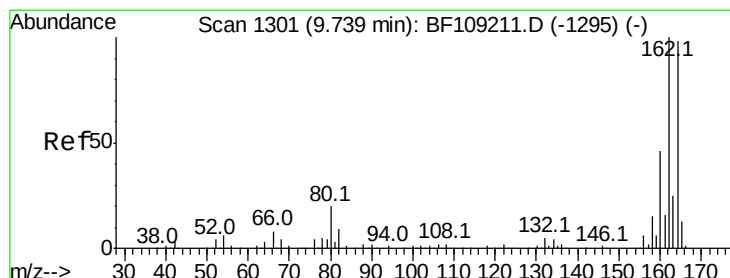
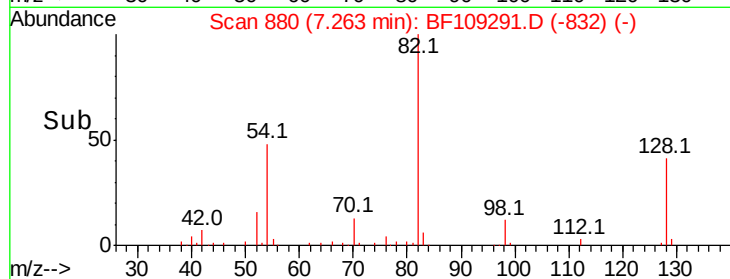
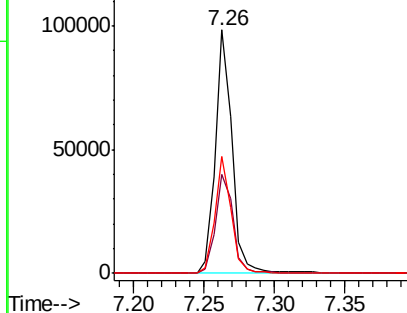
Tot Ion:	82	Resp:	80962
Ion Ratio	Lower	Upper	
82	100		
128	40.8	36.1	54.1
54	47.9	41.4	62.2

Manual Integrations
 APPROVED

Sohil
 9/26/2018 3:41:58 PM

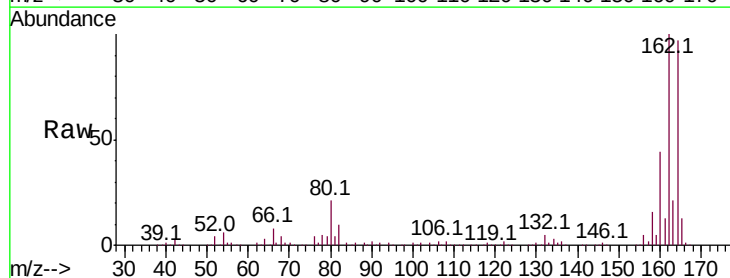


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

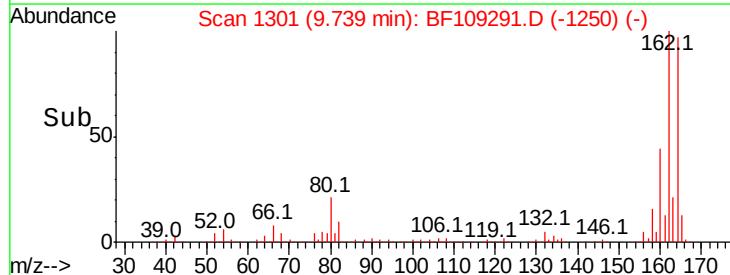
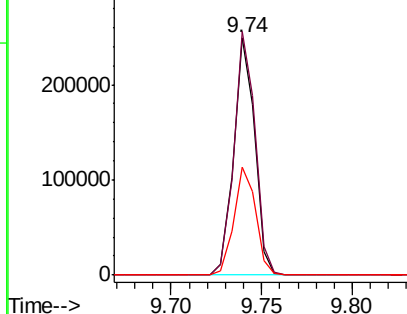


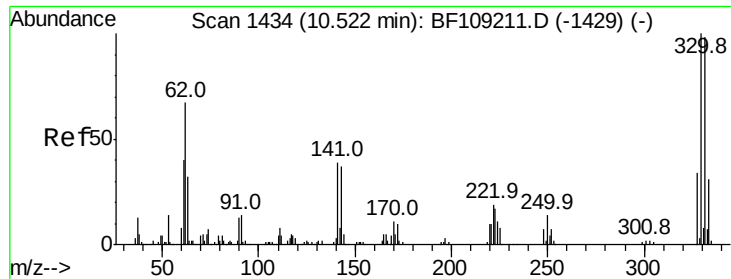
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BF109291.D
 Acq: 25 Sep 2018 17:44

Tgt Ion:	164	Resp:	201841
Ion Ratio	Lower	Upper	
164	100		
162	102.6	86.1	129.1
160	45.3	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





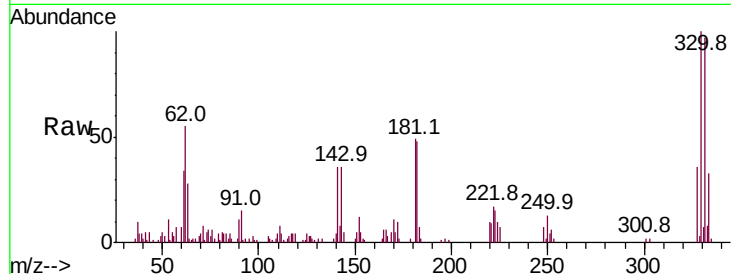
#41
 2,4,6-Tribromophenol
 Concen: 13.432 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109291.D
 Acq: 25 Sep 2018 17:44

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-092418-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	36.4	29.9	44.9

Manual Integrations
 APPROVED

Sohil
 9/26/2018 3:41:58 PM

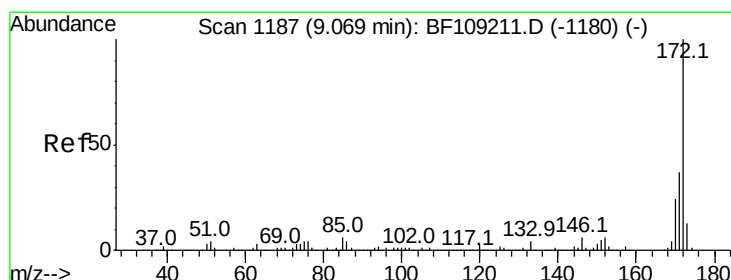
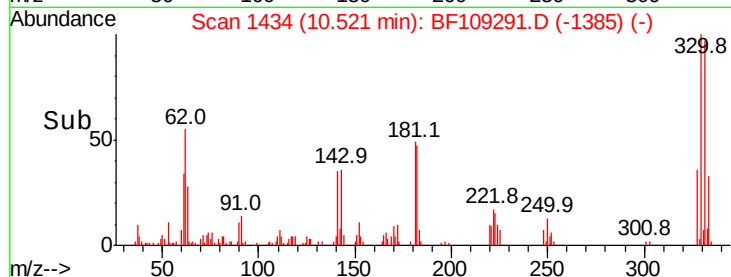
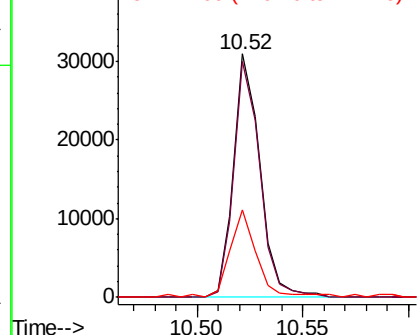


Abundance

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: 12.491 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109291.D
 Acq: 25 Sep 2018 17:44

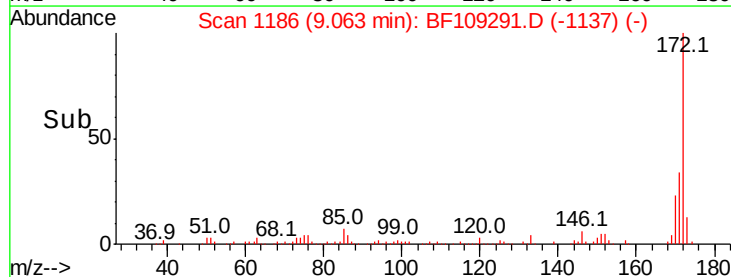
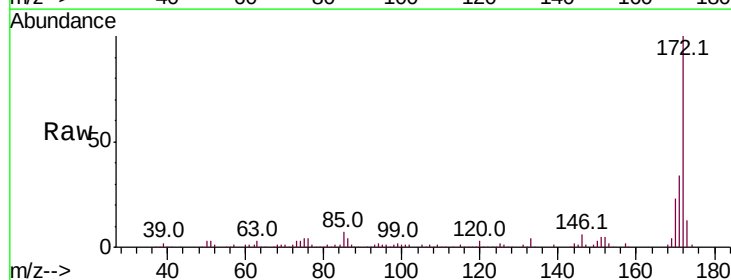
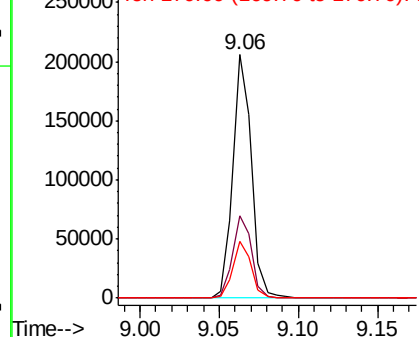
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.7	44.5
170	23.3	19.6	29.4

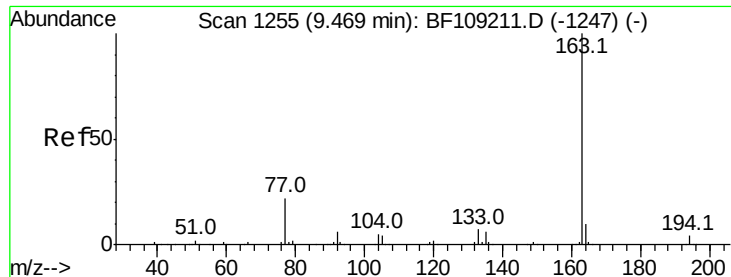
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





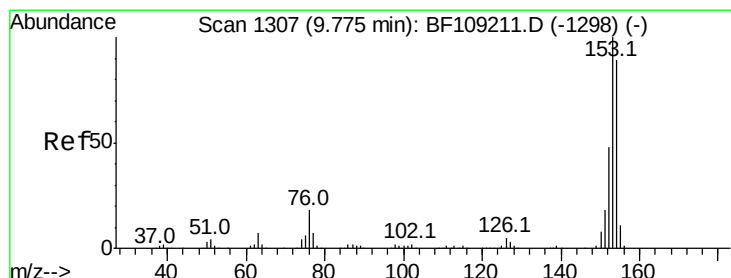
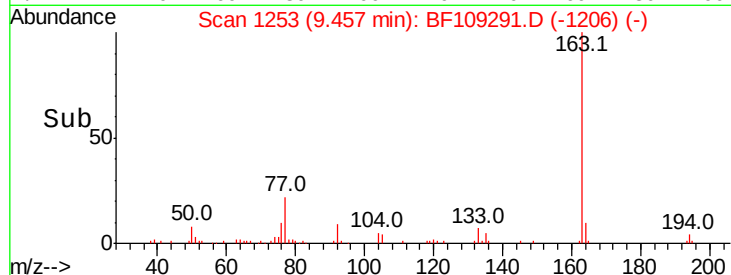
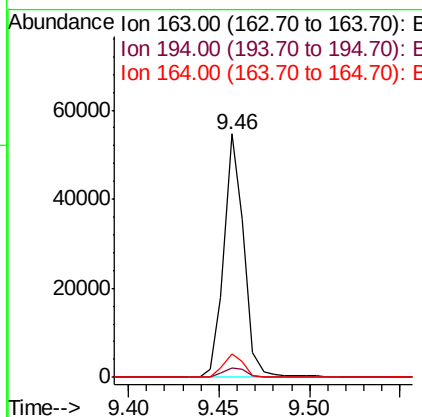
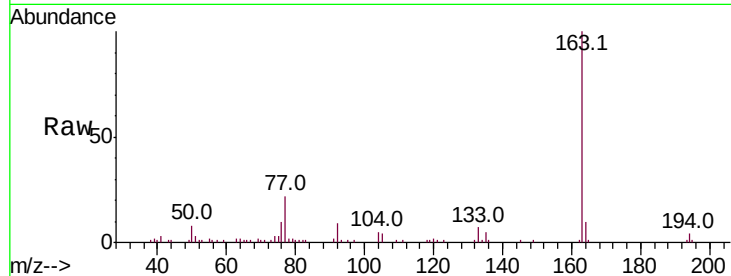
#49
Dimethylphthalate
Concen: 2.848 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109291.D
Acq: 25 Sep 2018 17:44

Instrument :
BNA_F
ClientSampleId :
SU-02-092418-A

Tot Ion:	163	Resp:	41811
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.7	4.1
164	9.5	8.2	12.2

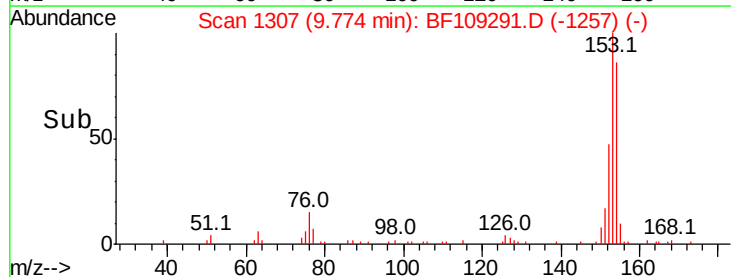
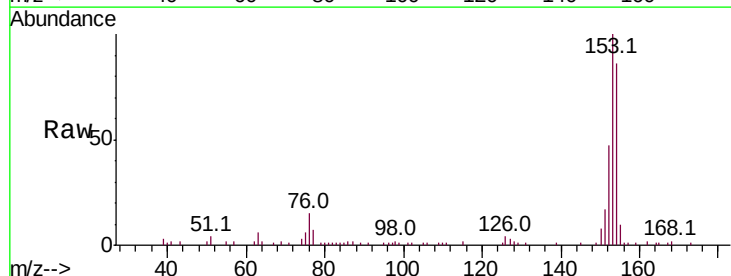
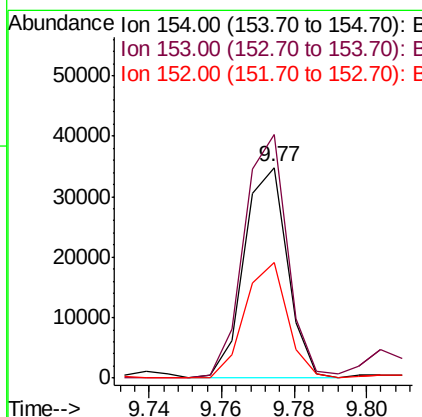
Manual Integrations
APPROVED

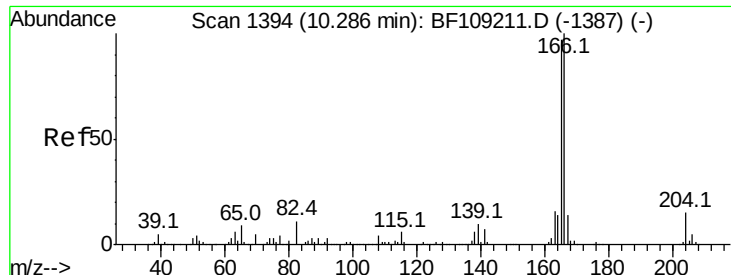
Sohil
9/26/2018 3:41:58 PM



#51
Acenaphthene
Concen: 2.415 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF109291.D
Acq: 25 Sep 2018 17:44

Tgt Ion:	154	Resp:	28933
Ion Ratio	Lower	Upper	
154	100		
153	115.7	91.2	136.8
152	54.9	43.8	65.8





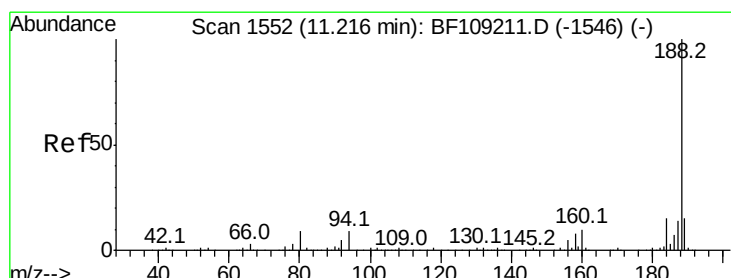
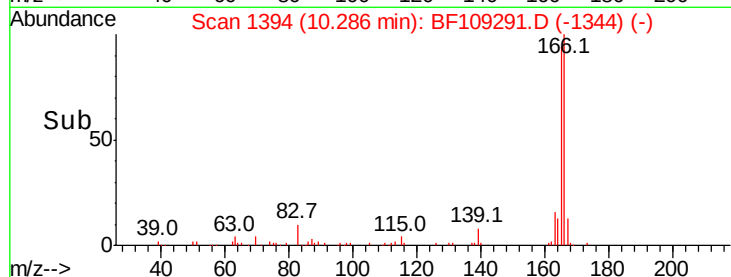
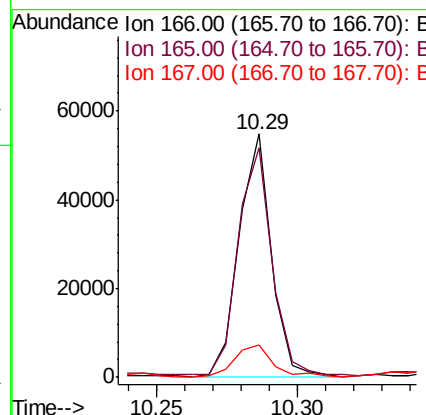
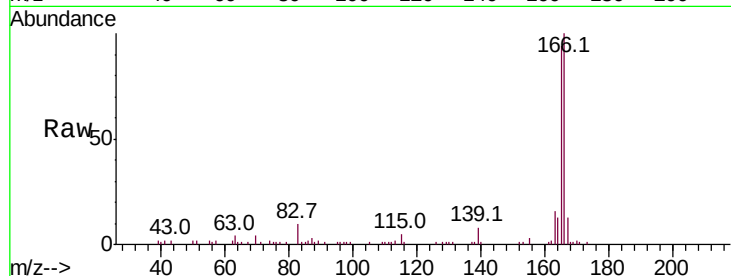
#57
Fluorene
 Concen: 3.449 ng
 RT: 10.29 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109291.D
 Acq: 25 Sep 2018 17:44

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-092418-A

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.2	79.8	119.8
167	13.2	10.6	16.0

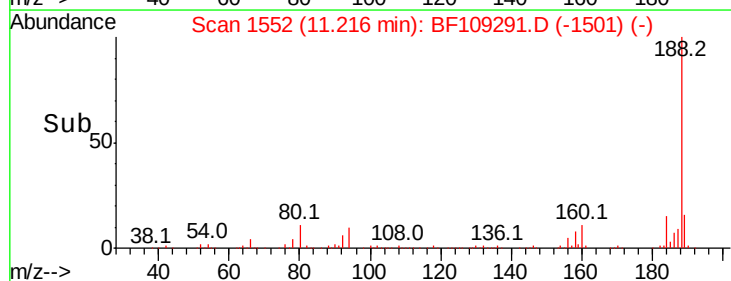
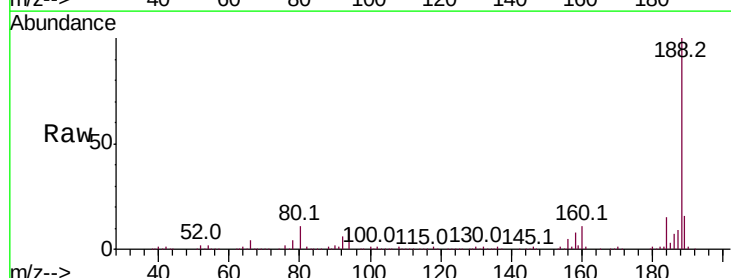
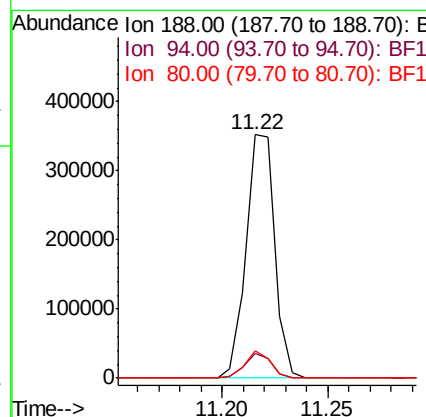
Manual Integrations
 APPROVED

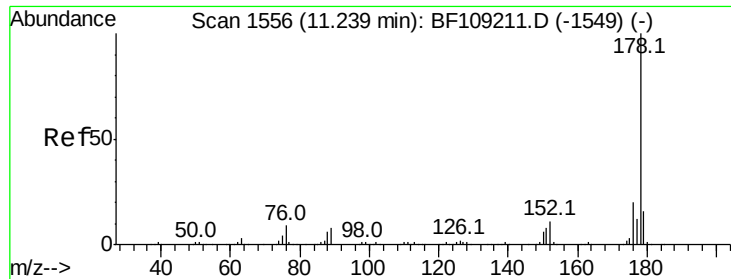
Sohil
 9/26/2018 3:41:58 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.00 min
 Lab File: BF109291.D
 Acq: 25 Sep 2018 17:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	11.0	9.2	13.8





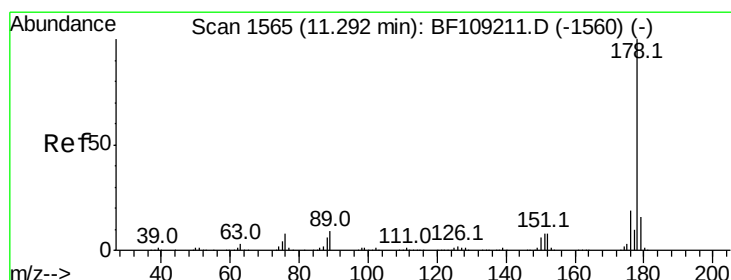
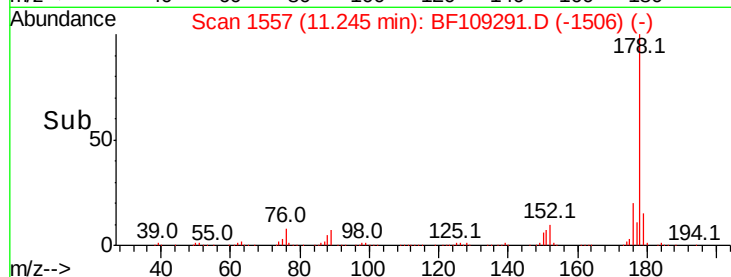
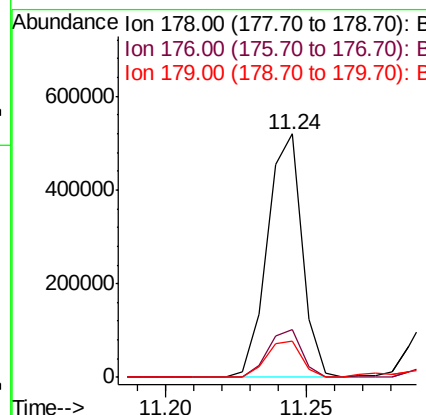
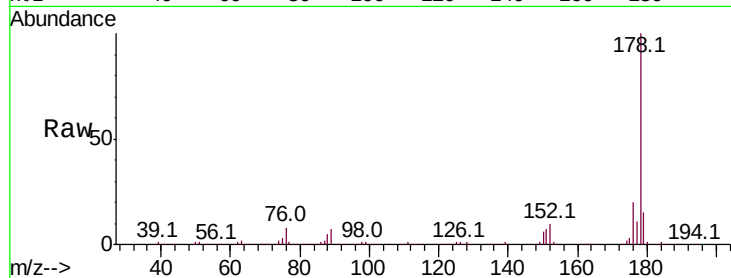
#70
Phenanthrene
Concen: 26.676 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF109291.D
Acq: 25 Sep 2018 17:44

Instrument :
BNA_F
ClientSampleId :
SU-02-092418-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	14.9	13.0	19.6

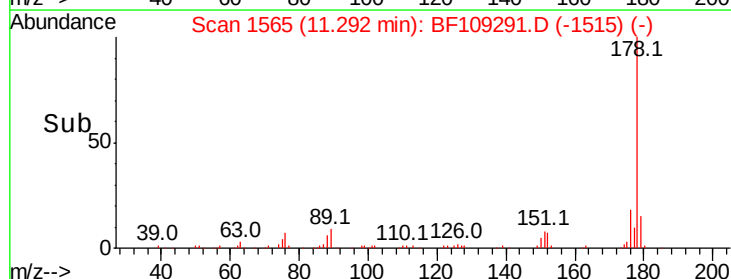
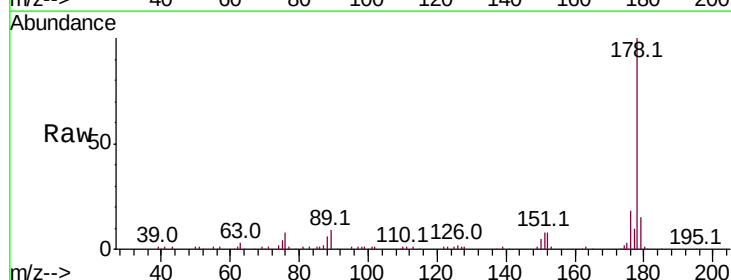
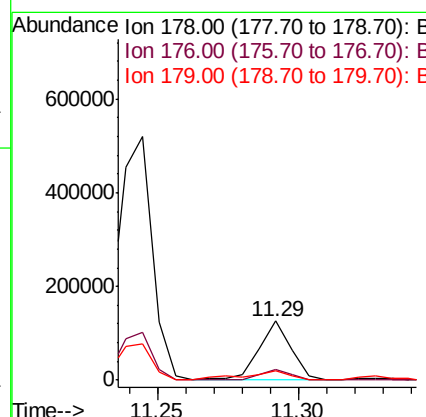
Manual Integrations
APPROVED

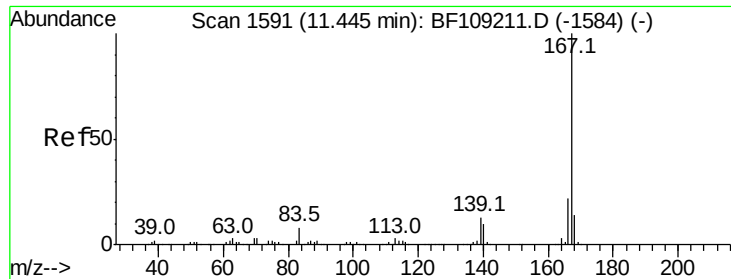
Sohil
9/26/2018 3:41:58 PM



#71
Anthracene
Concen: 5.853 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF109291.D
Acq: 25 Sep 2018 17:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.5	12.6	19.0





#72

Carbazole

Concen: 3.477 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF109291.D

Acq: 25 Sep 2018 17:44

Instrument :

BNA_F

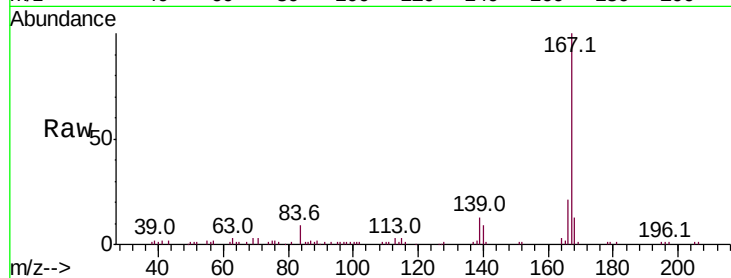
ClientSampleId :

SU-02-092418-A

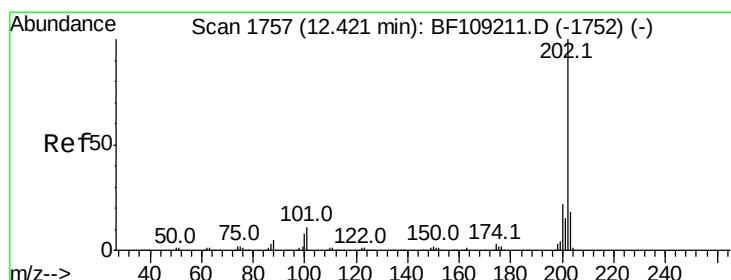
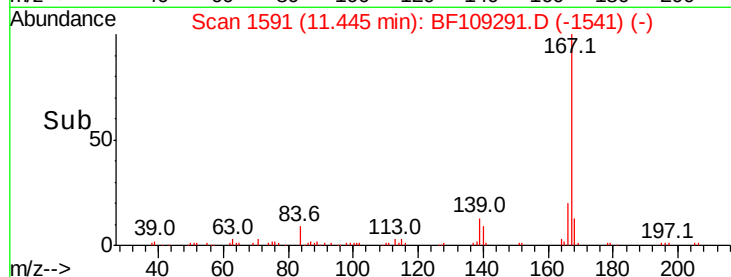
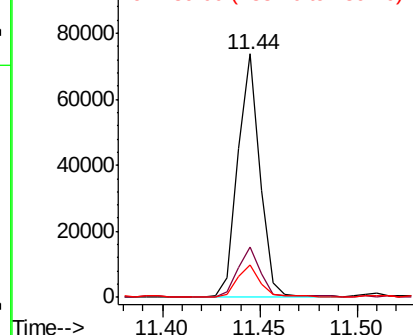
Tot Ion:	167	Resp:	58188
Ion Ratio	Lower	Upper	
167	100		
166	20.8	17.6	26.4
139	13.1	10.9	16.3

Manual Integrations
APPROVED

Sohil
9/26/2018 3:41:58 PM



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 34.825 ng

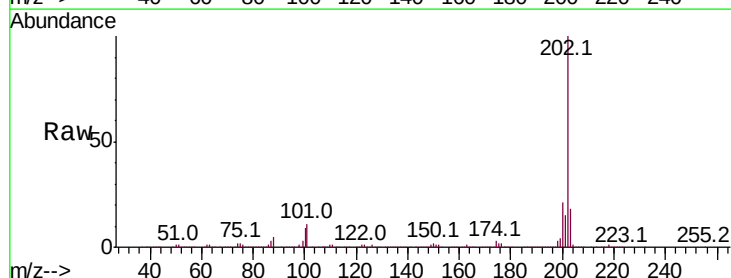
RT: 12.43 min Scan# 1758

Delta R.T. -0.00 min

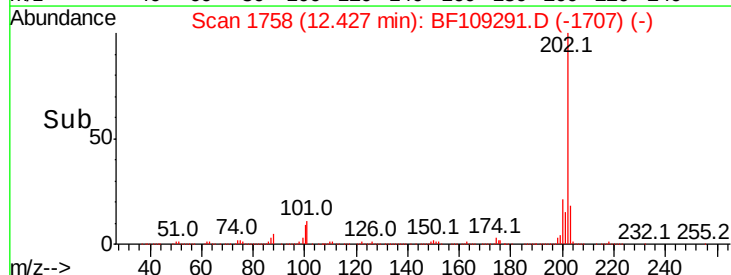
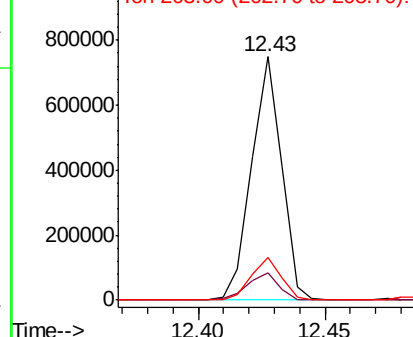
Lab File: BF109291.D

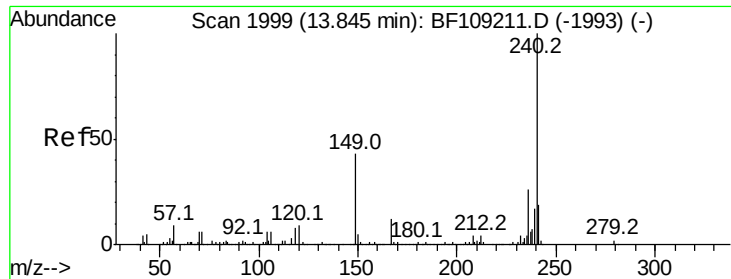
Acq: 25 Sep 2018 17:44

Tgt Ion:	202	Resp:	617103
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	34.1
203	17.7	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BF109291.D

Acq: 25 Sep 2018 17:44

Instrument :

BNA_F

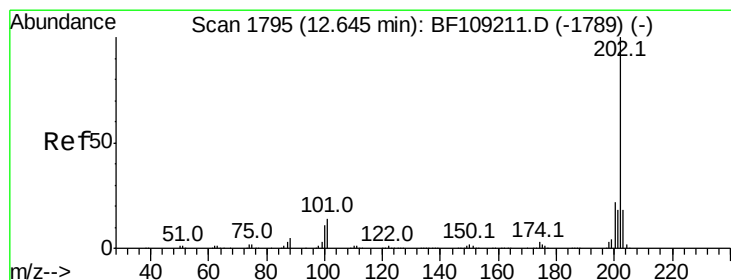
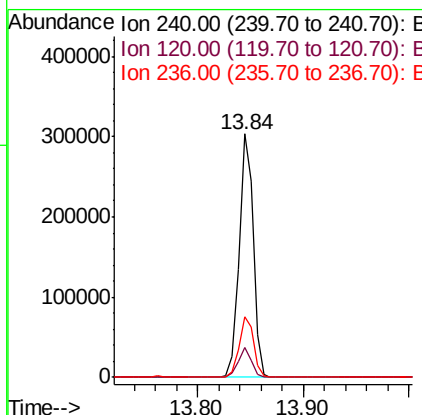
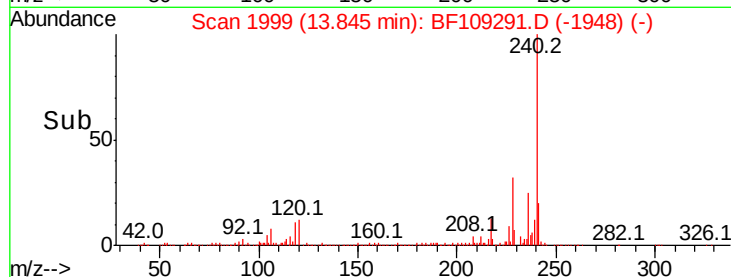
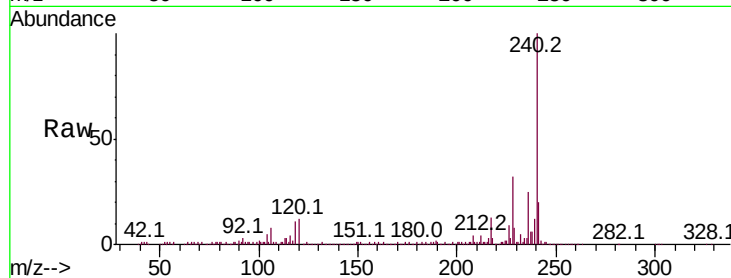
ClientSampleId :

SU-02-092418-A

Tot Ion:	240	Resp:	274326
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.5	14.3
236	25.1	20.7	31.1

Manual Integrations
APPROVED

Sohil
9/26/2018 3:41:58 PM



#77

Pyrene

Concen: 27.976 ng

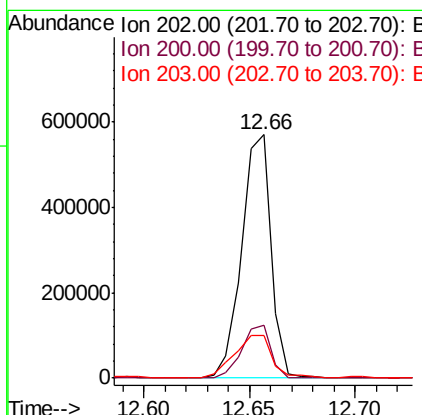
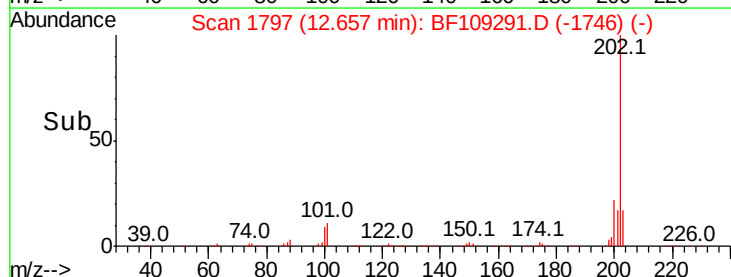
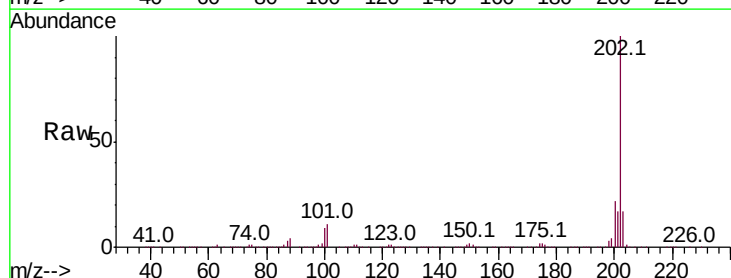
RT: 12.66 min Scan# 1797

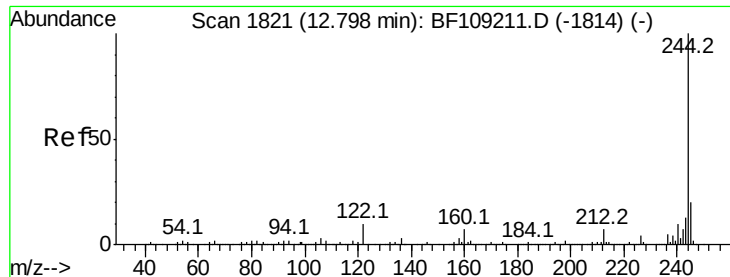
Delta R.T. -0.00 min

Lab File: BF109291.D

Acq: 25 Sep 2018 17:44

Tgt Ion:	202	Resp:	550025
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	17.3	14.3	21.5





#78

Terphenyl-d14

Concen: 12.002 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109291.D

Acq: 25 Sep 2018 17:44

Instrument :

BNA_F

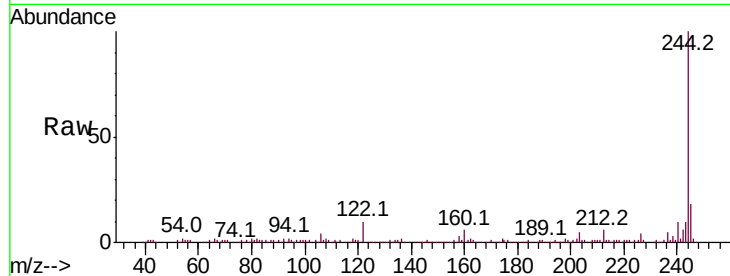
ClientSampleId :

SU-02-092418-A

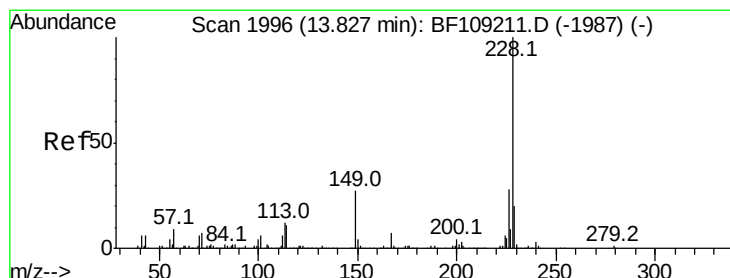
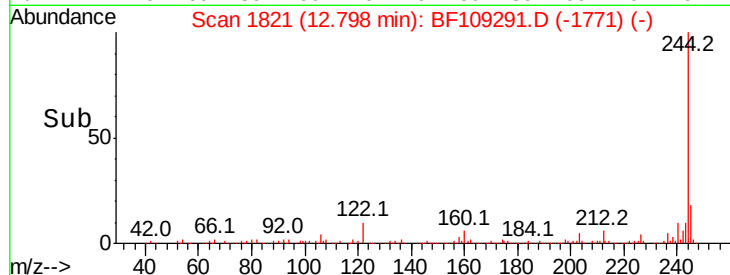
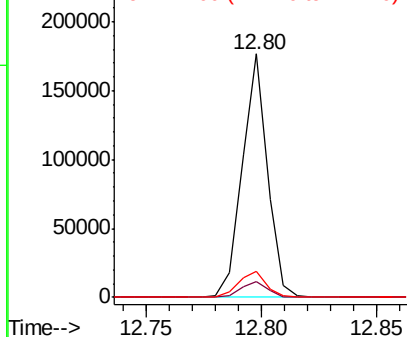
Tot Ion:	244	Resp:	134163
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.4	8.0
122	10.4	11.0	16.4

Manual Integrations
APPROVED

Sohil
9/26/2018 3:41:58 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 16.800 ng

RT: 13.84 min Scan# 1998

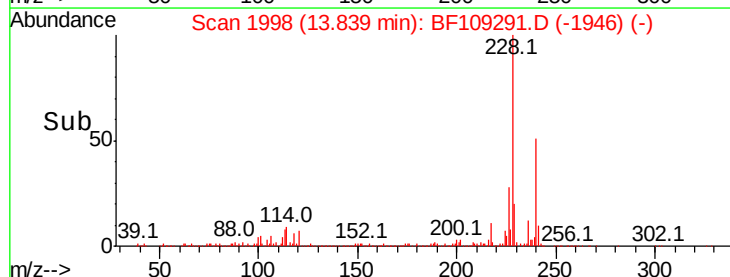
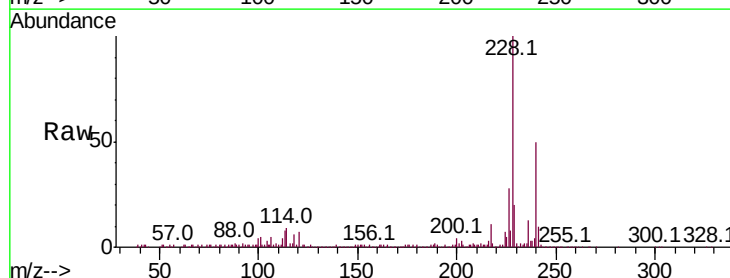
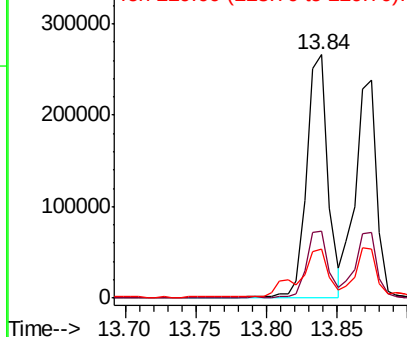
Delta R.T. 0.01 min

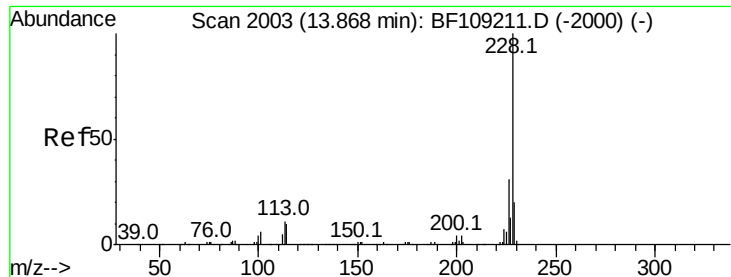
Lab File: BF109291.D

Acq: 25 Sep 2018 17:44

Tgt Ion:	228	Resp:	277594
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.6	33.8
229	20.0	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





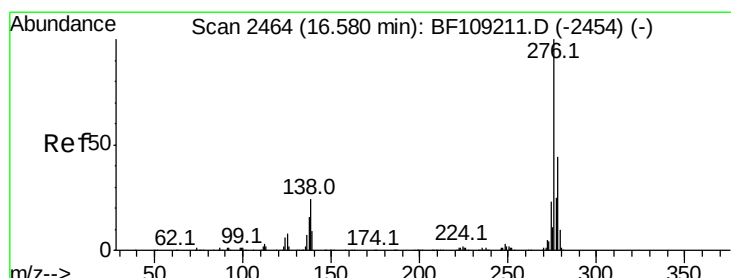
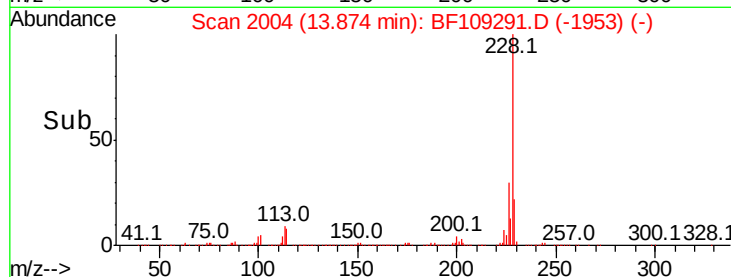
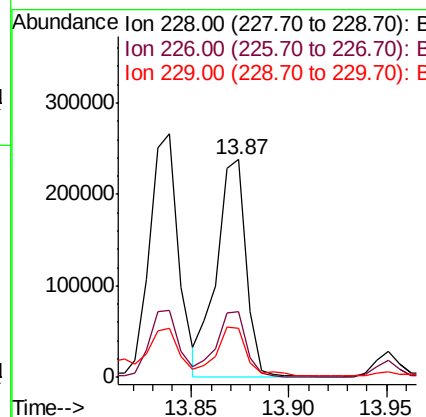
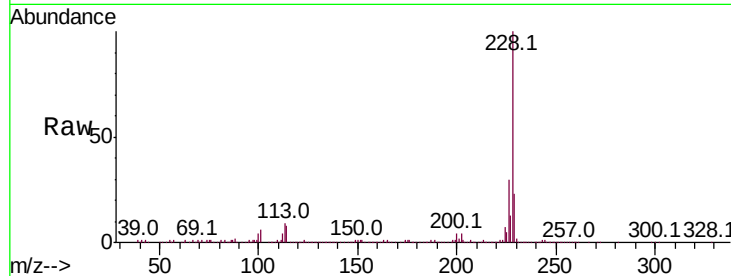
#82
Chrysene
Concen: 15.339 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF109291.D
Acq: 25 Sep 2018 17:44

Instrument :
BNA_F
ClientSampleId :
SU-02-092418-A

Tot Ion:	228	Resp:	251217
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	22.5	16.2	24.4

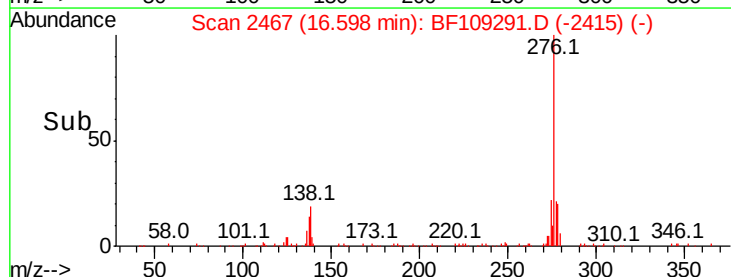
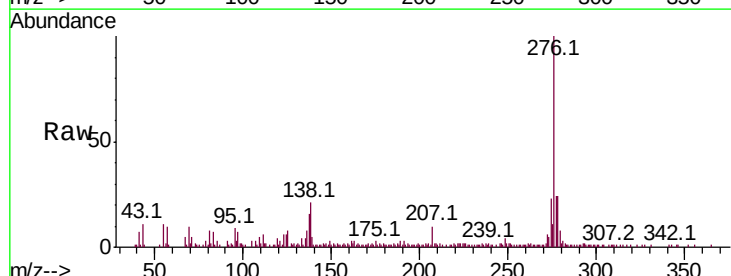
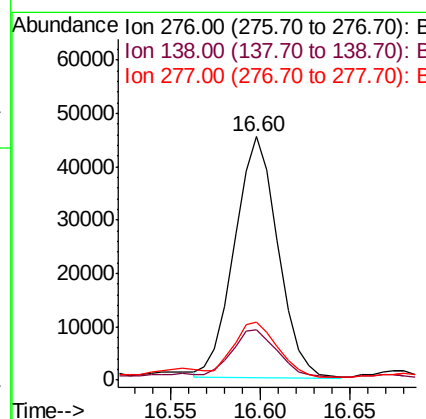
Manual Integrations
APPROVED

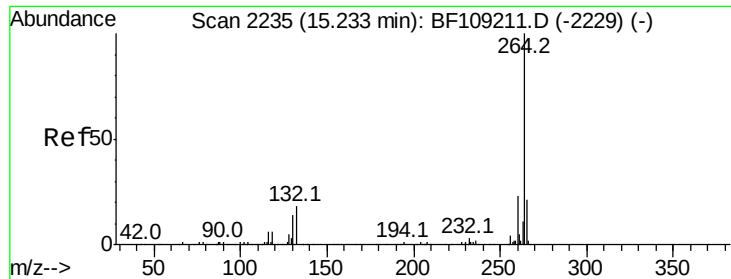
Sohil
9/26/2018 3:41:58 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.773 ng m
RT: 16.60 min Scan# 2467
Delta R.T. 0.01 min
Lab File: BF109291.D
Acq: 25 Sep 2018 17:44

Tgt Ion:	276	Resp:	76632
Ion Ratio	Lower	Upper	
276	100		
138	5.5	25.0	37.6#
277	5.3	20.1	30.1#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF109291.D

Acq: 25 Sep 2018 17:44

Instrument :

BNA_F

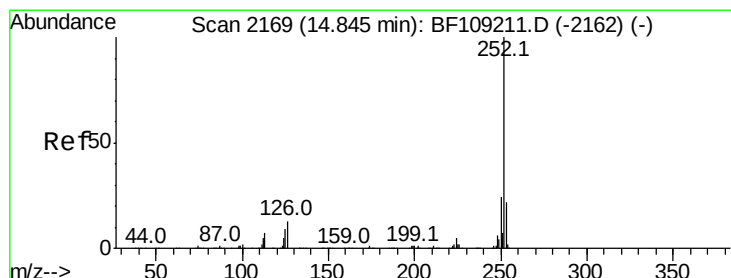
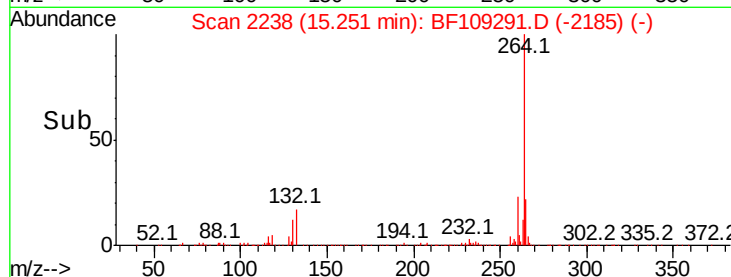
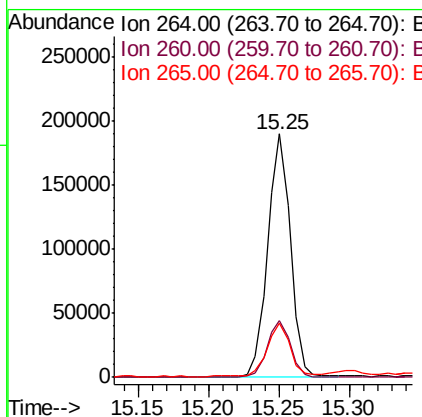
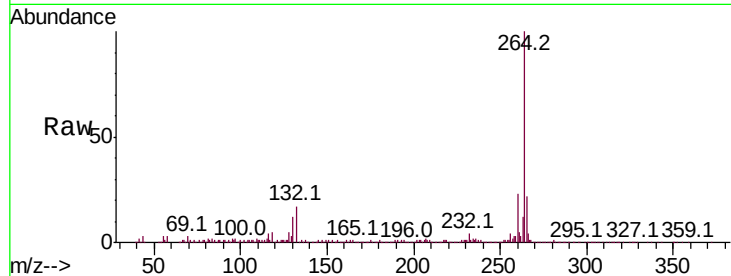
ClientSampleId :

SU-02-092418-A

Tot Ion:	264	Resp:	216775
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.2	28.8
265	22.4	17.5	26.3

Manual Integrations
APPROVED

Sohil
9/26/2018 3:41:58 PM



#87

Benzo(b)fluoranthene

Concen: 18.695 ng m

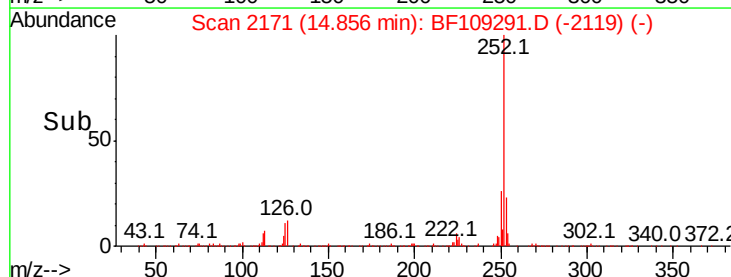
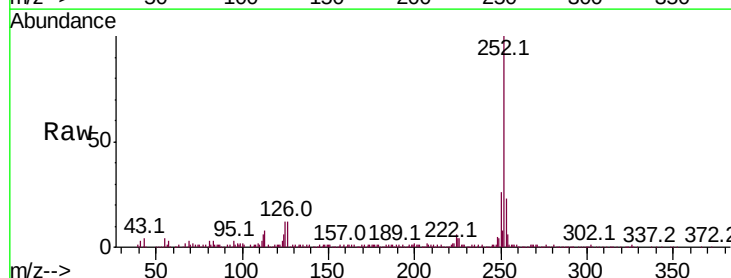
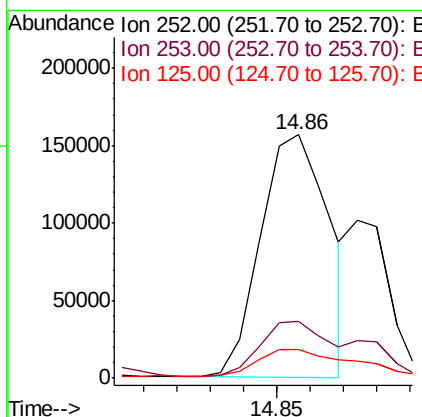
RT: 14.86 min Scan# 2171

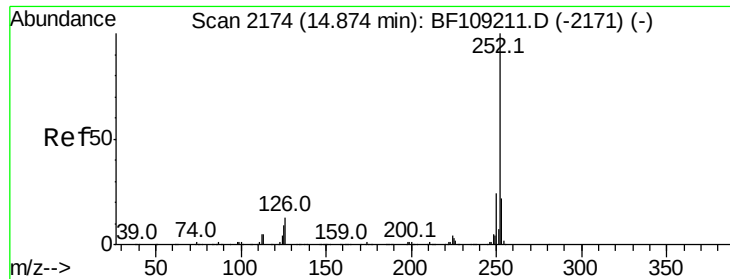
Delta R.T. 0.01 min

Lab File: BF109291.D

Acq: 25 Sep 2018 17:44

Tgt Ion:	252	Resp:	222691
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.6
125	12.0	9.0	13.6





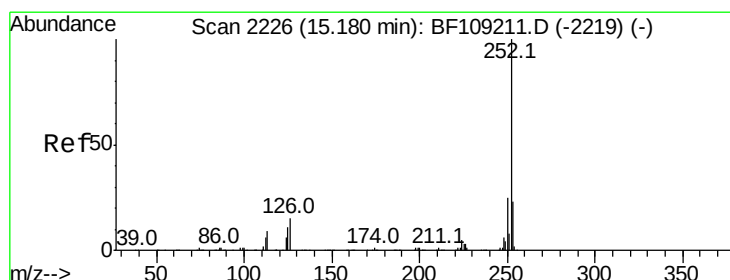
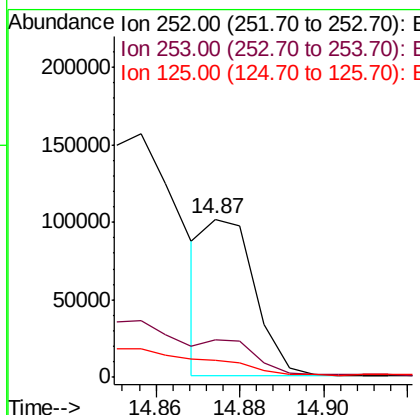
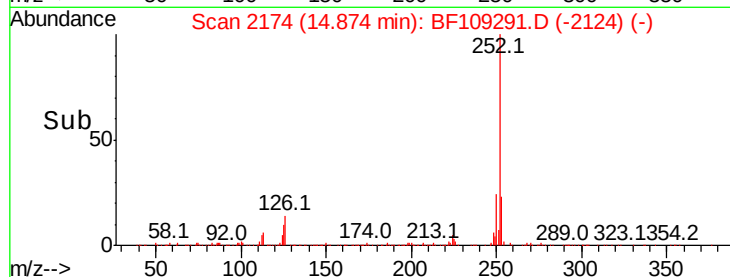
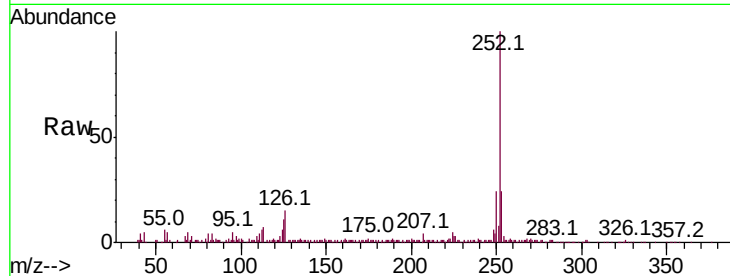
#88
Benzo(k)fluoranthene
Concen: 7.391 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF109291.D
Acq: 25 Sep 2018 17:44

Instrument :
BNA_F
ClientSampleId :
SU-02-092418-A

Tot Ion:	252	Resp:	83541
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.9	26.9
125	10.9	10.2	15.2

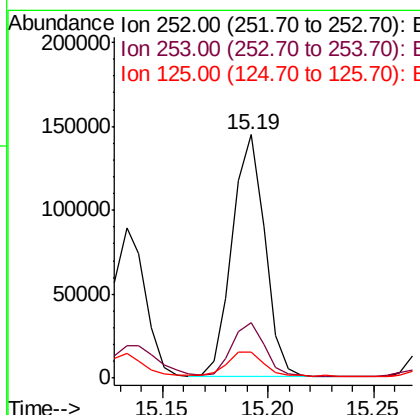
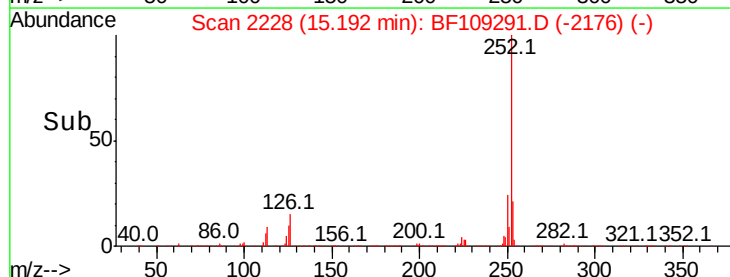
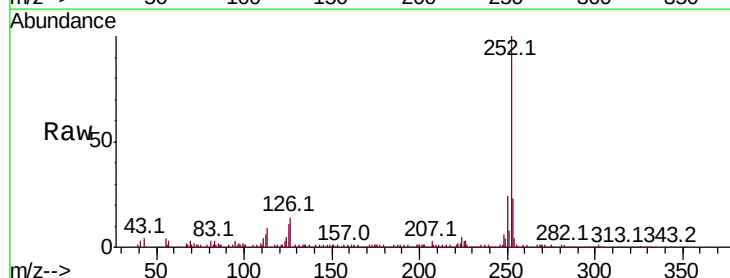
Manual Integrations
APPROVED

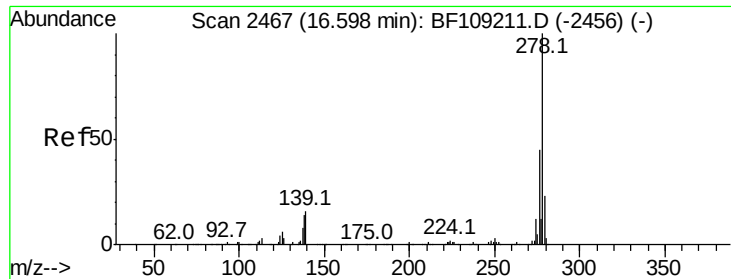
Sohil
9/26/2018 3:41:58 PM



#89
Benzo(a)pyrene
Concen: 14.420 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF109291.D
Acq: 25 Sep 2018 17:44

Tgt Ion:	252	Resp:	154777
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.1	25.7
125	10.8	9.8	14.6





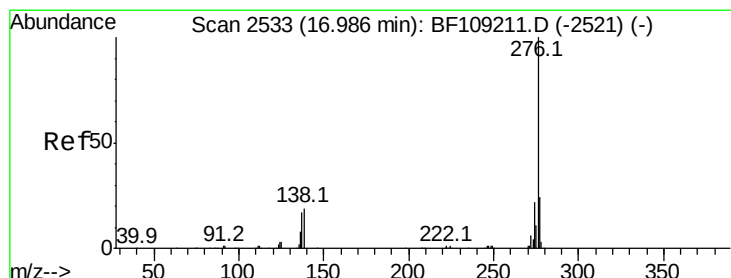
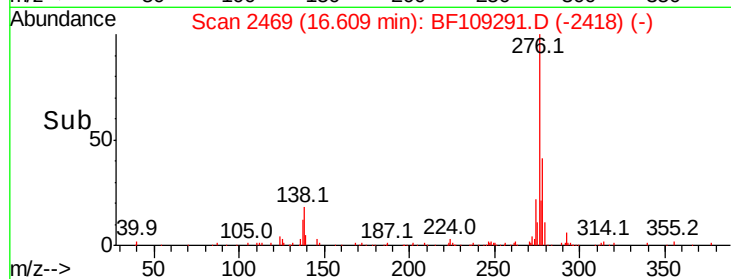
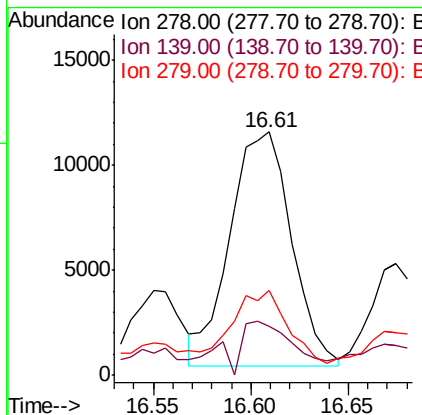
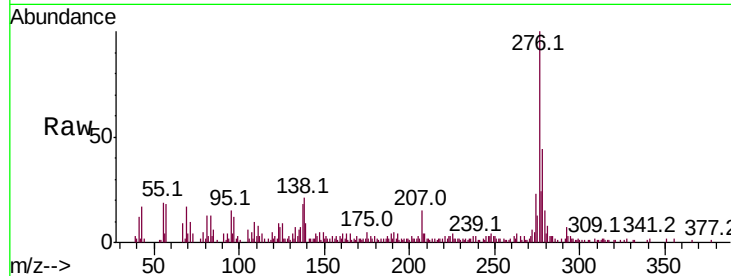
#90
Dibenzo(a,h)anthracene
Concen: 2.767 ng
RT: 16.61 min Scan# 2469
Delta R.T. -0.00 min
Lab File: BF109291.D
Acq: 25 Sep 2018 17:44

Instrument :
BNA_F
ClientSampleId :
SU-02-092418-A

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.3	15.9	23.9
279	34.7	19.0	28.4

Manual Integrations
APPROVED

Sohil
9/26/2018 3:41:58 PM



#91
Benzo(g,h,i)perylene
Concen: 7.751 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.01 min
Lab File: BF109291.D
Acq: 25 Sep 2018 17:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	22.9	21.8	32.8

