

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\
 Data File : BF099068.D
 Acq On : 4 Oct 2017 15:52
 Operator : SJ/JU
 Sample : I5610-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1A-(1-2)-COMP-(0-5)

Manual Integrations
 APPROVED

Sohil
 10/5/2017 6:15:30 PM

Quant Time: Oct 05 03:04:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	166798	20.00	ng	-0.06
21) Naphthalene-d8	8.15	136	703185	20.00	ng	-0.06
38) Acenaphthene-d10	9.90	164	325482	20.00	ng	-0.06
63) Phenanthrene-d10	11.39	188	534952	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	300433	20.00	ng	-0.06
86) Perylene-d12	15.50	264	265224	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1209522	115.44	ng	-0.05
7) Phenol-d6	6.50	99	1580908	122.31	ng	-0.05
23) Nitrobenzene-d5	7.43	82	940428	85.77	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	331039	124.30	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	1553035	79.66	ng	-0.06
78) Terphenyl-d14	12.98	244	1088332	82.38	ng	-0.05
Target Compounds						
10) Phenol	6.51	94	39694	2.746	ng	97
49) Dimethylphthalate	9.61	163	292448	11.905	ng	99
70) Phenanthrene	11.41	178	146331	5.110	ng	98
71) Anthracene	11.46	178	78330	2.674	ng	98
74) Fluoranthene	12.62	202	315803	10.891	ng	99
77) Pyrene	12.83	202	276789	12.082	ng	100
80) Benzo(a)anthracene	14.02	228	124711	6.855	ng	98
82) Chrysene	14.05	228	120461	6.955	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	36952	2.667	ng	97
87) Benzo(b)fluoranthene	15.07	252	97390m	5.972	ng	
89) Benzo(a)pyrene	15.43	252	64170	4.287	ng	# 92
91) Benzo(a,h,i)perylene	17.42	276	35859	3.028	ng	93

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

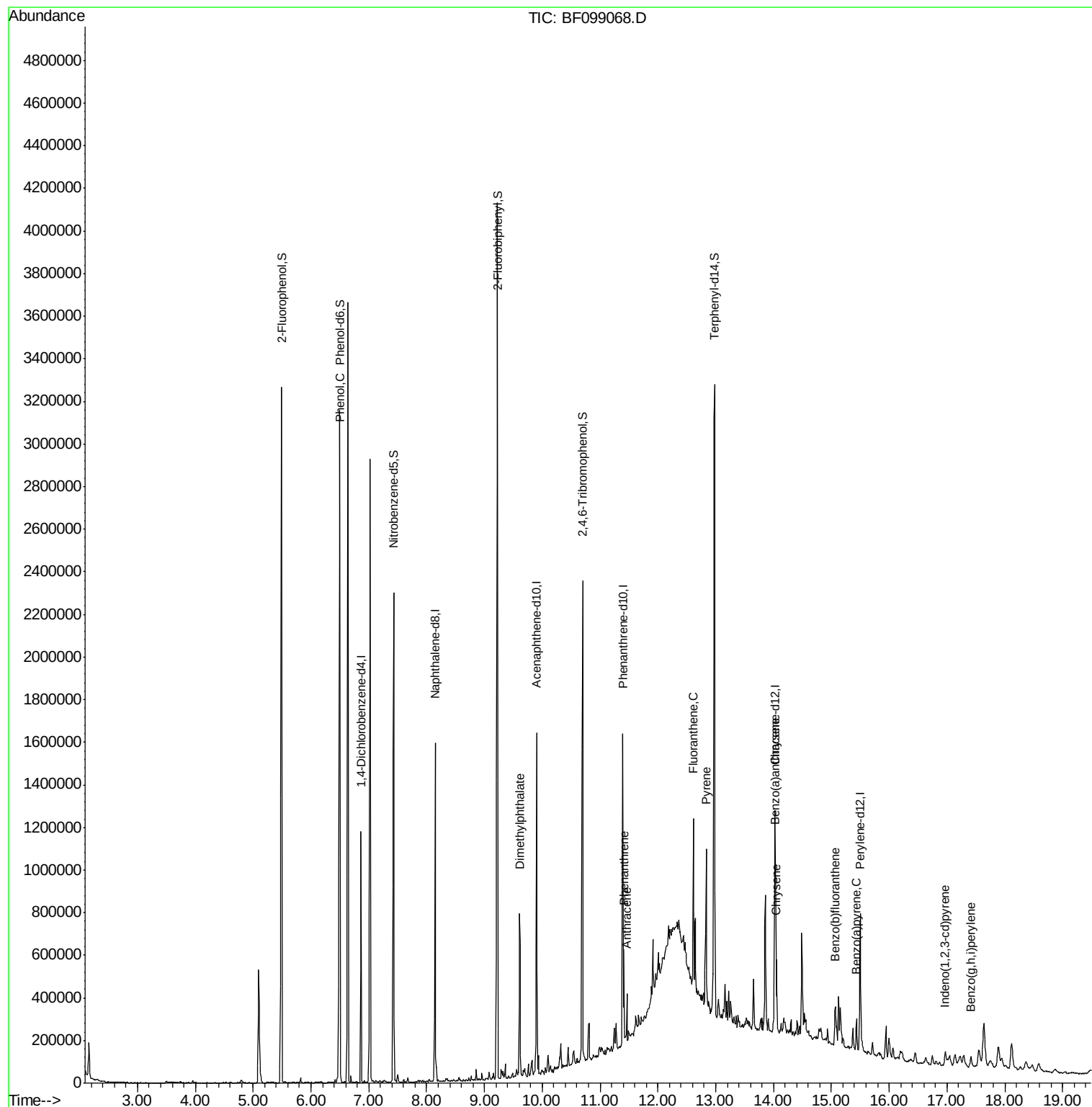
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\
Data File : BF099068.D
Acq On : 4 Oct 2017 15:52
Operator : SJ/JU
Sample : I5610-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

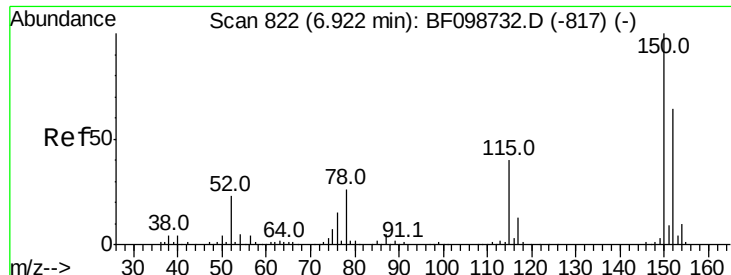
Instrument :
BNA_F
ClientSampleId :
1A-(1-2)-COMP-(0-5)

Manual Integrations
APPROVED

Sohil
10/5/2017 6:15:30 PM

Quant Time: Oct 05 03:04:38 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration





#1

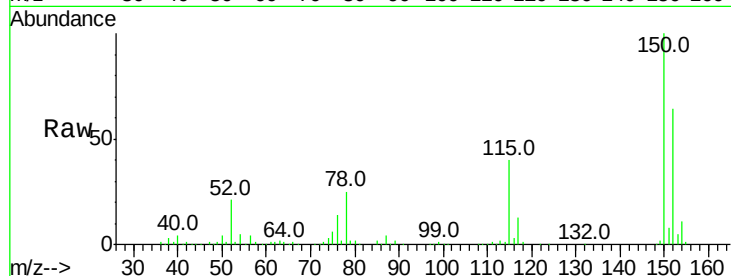
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.06 min
Lab File: BF099068.D
Acq: 4 Oct 2017 15:52

Instrument :
BNA_F
ClientSampleId :
1A-(1-2)-COMP-(0-5)

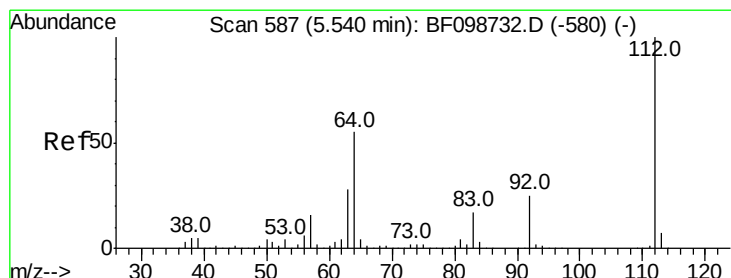
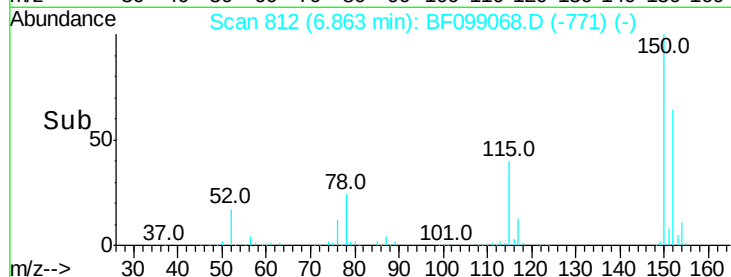
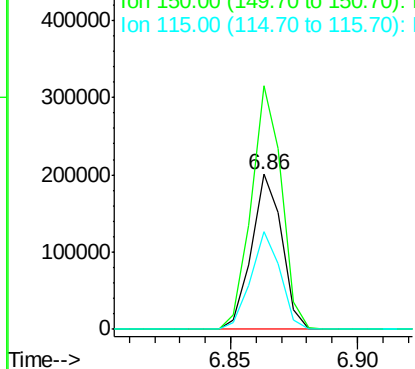
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	62.7	50.1	75.1

Manual Integrations
APPROVED

Sohil
10/5/2017 6:15:30 PM



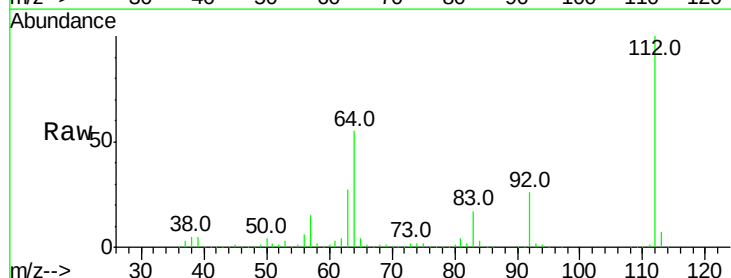
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



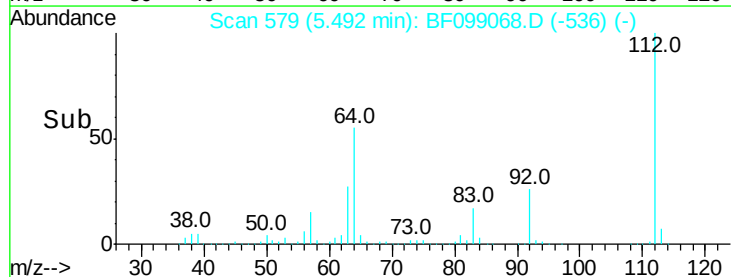
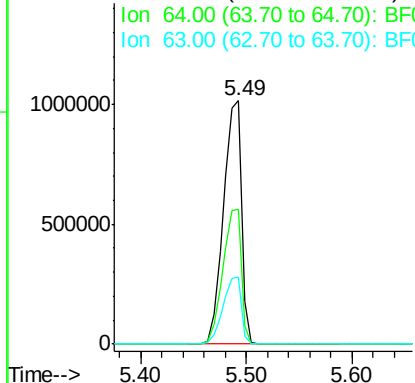
#5

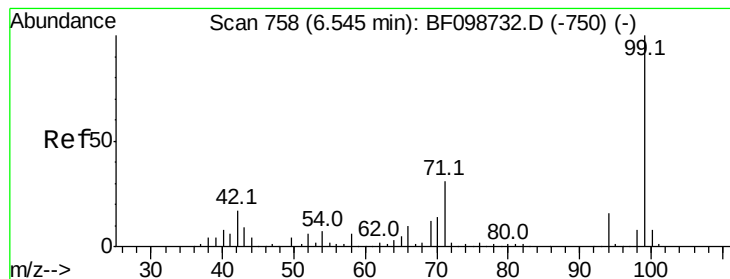
2-Fluorophenol
Concen: 115.435 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.05 min
Lab File: BF099068.D
Acq: 4 Oct 2017 15:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	47.9	71.9
63	27.3	23.7	35.5



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: 122.307 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.05 min

Lab File: BF099068.D

Acq: 4 Oct 2017 15:52

Instrument :

BNA_F

ClientSampleId :

1A-(1-2)-COMP-(0-5)

Tot Ion: 99 Resp: 1580908

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

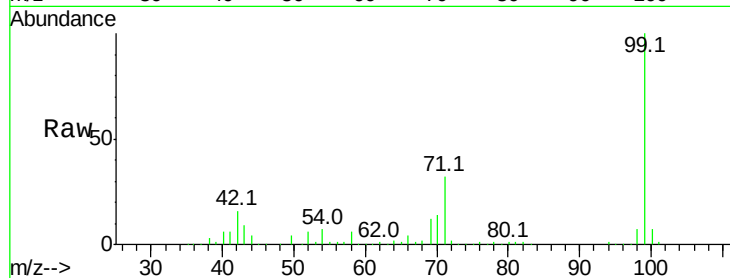
71 31.6 25.4 38.0

Manual Integrations

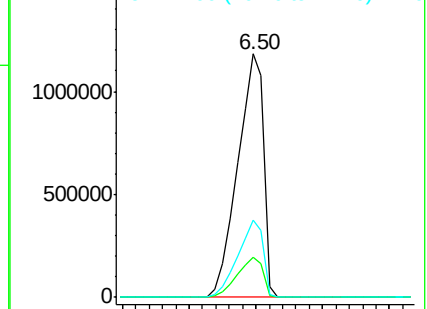
APPROVED

Sohil

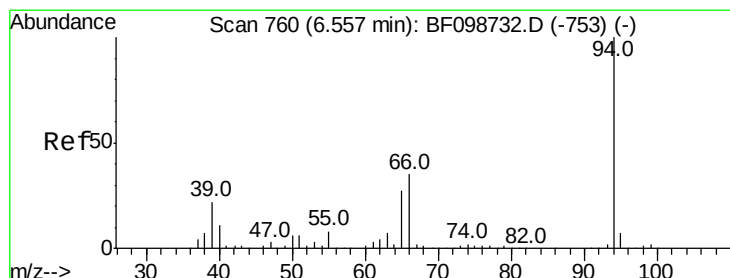
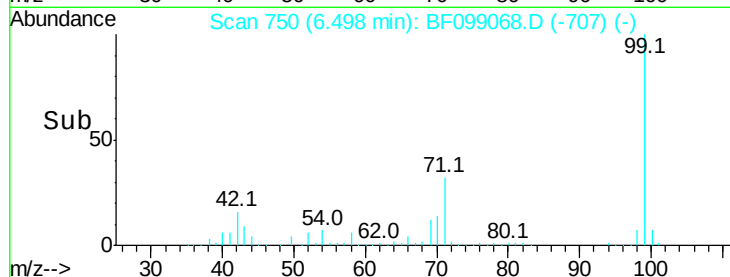
10/5/2017 6:15:30 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



Time-->



#10

Phenol

Concen: 2.746 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.05 min

Lab File: BF099068.D

Acq: 4 Oct 2017 15:52

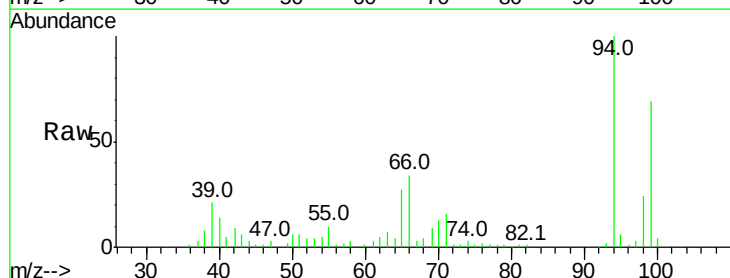
Tgt Ion: 94 Resp: 39694

Ion Ratio Lower Upper

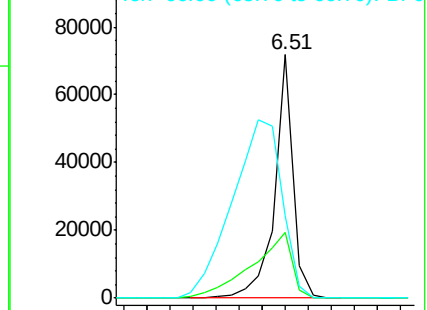
94 100

65 26.9 7.9 47.9

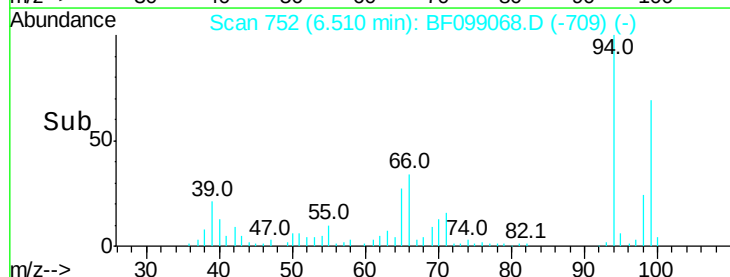
66 33.6 16.2 56.2

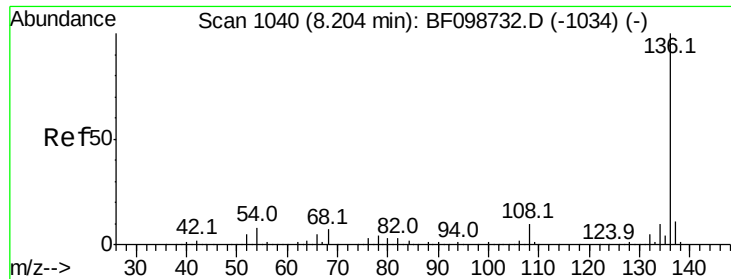


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0



Time-->





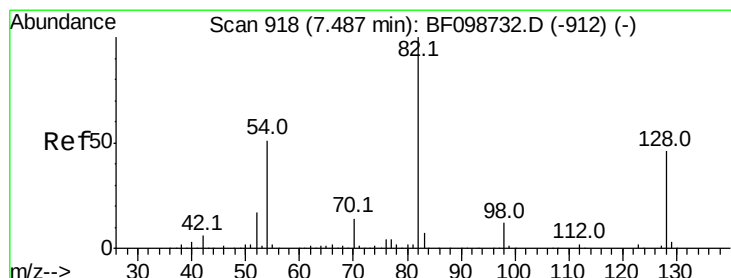
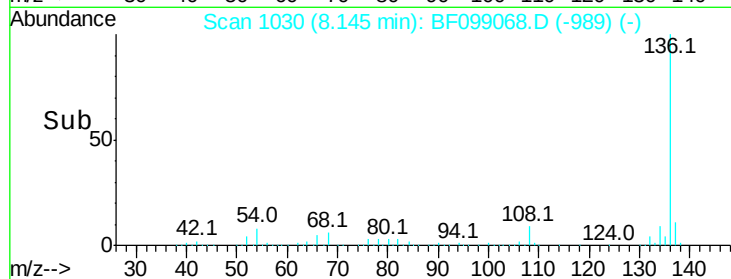
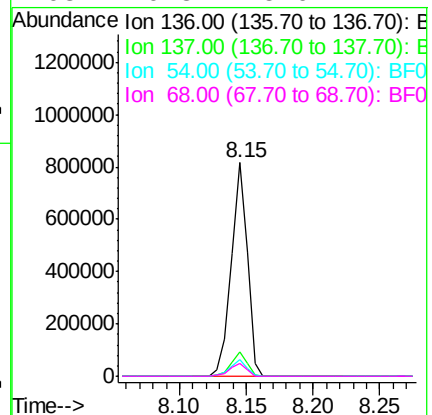
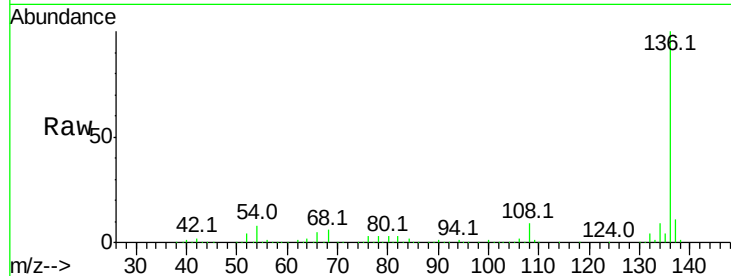
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF099068.D
Acq: 4 Oct 2017 15:52

Instrument :
BNA_F
ClientSampleId :
1A-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	7.7	6.6	9.8	
68	6.3	5.0	7.4	

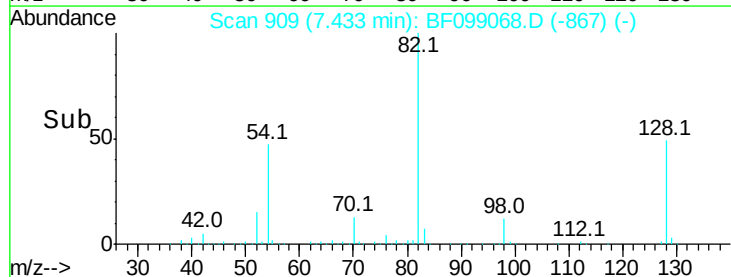
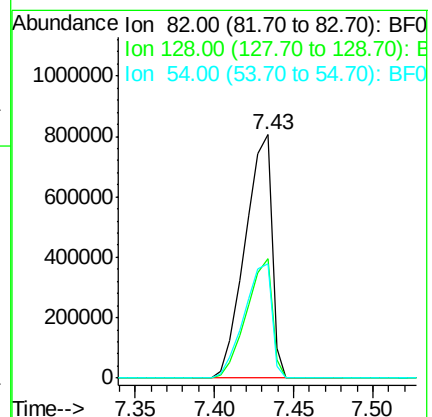
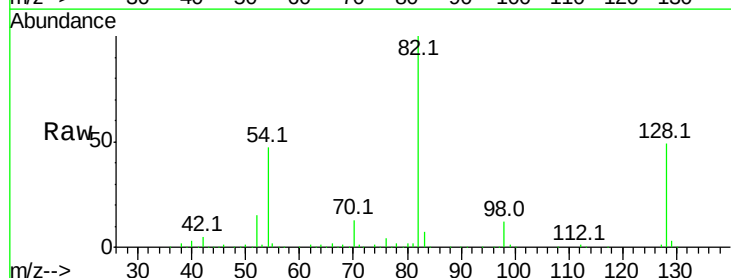
Manual Integrations
APPROVED

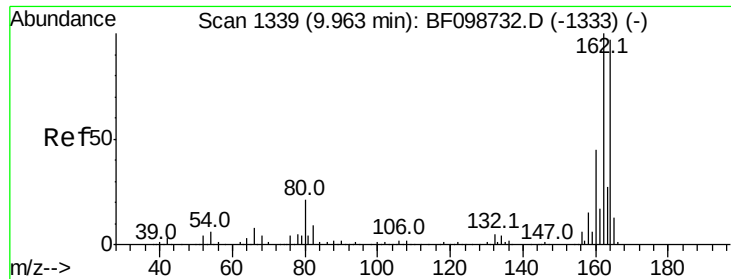
Sohil
10/5/2017 6:15:30 PM



#23
Nitrobenzene-d5
Concen: 85.767 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.05 min
Lab File: BF099068.D
Acq: 4 Oct 2017 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.2	36.1	54.1	
54	46.8	41.4	62.2	





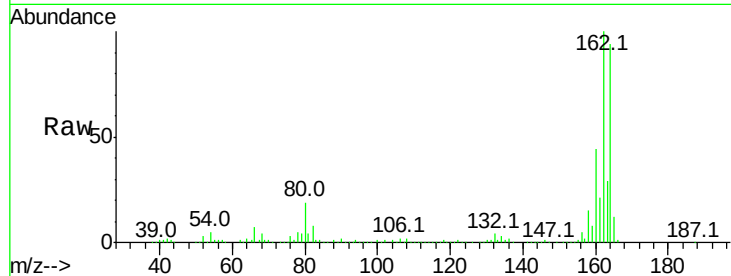
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.06 min
 Lab File: BF099068.D
 Acq: 4 Oct 2017 15:52

Instrument :
 BNA_F
 ClientSampleId :
 1A-(1-2)-COMP-(0-5)

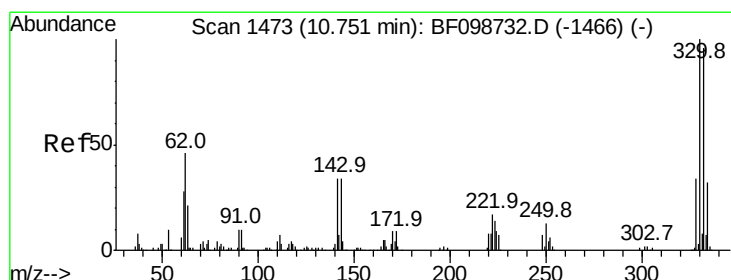
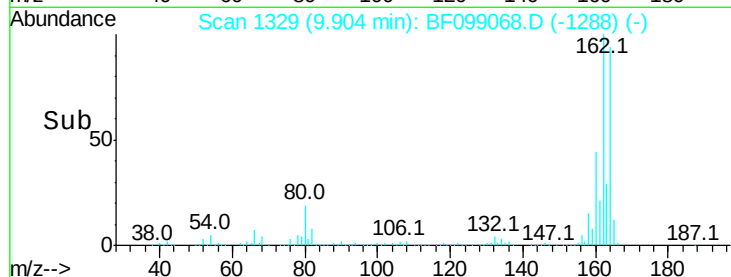
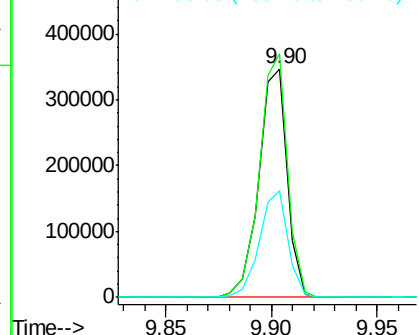
Tot Ion	Ratio	Lower	Upper
164	100		
162	106.5	86.1	129.1
160	46.9	38.3	57.5

Manual Integrations
 APPROVED

Sohil
 10/5/2017 6:15:30 PM



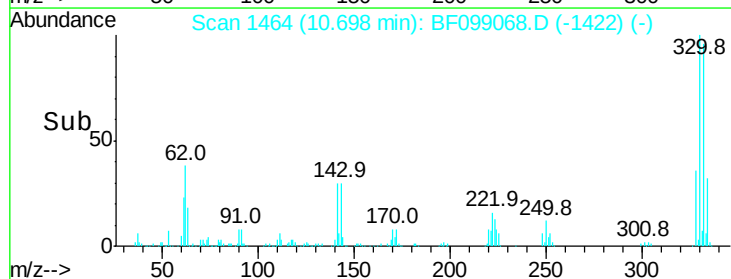
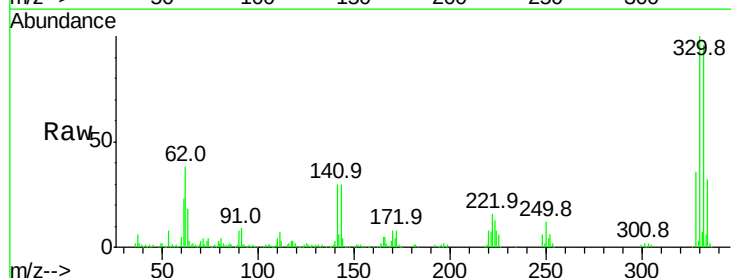
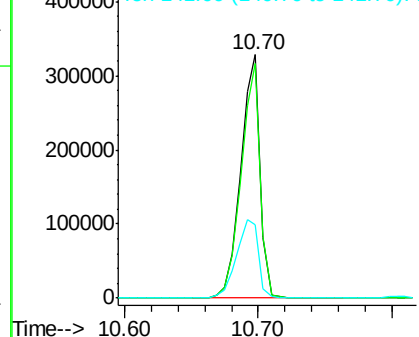
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

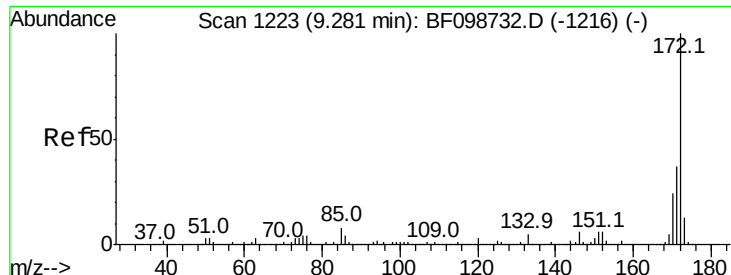


#41
 2,4,6-Tribromophenol
 Concen: 124.295 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.05 min
 Lab File: BF099068.D
 Acq: 4 Oct 2017 15:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	36.9	29.9	44.9

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





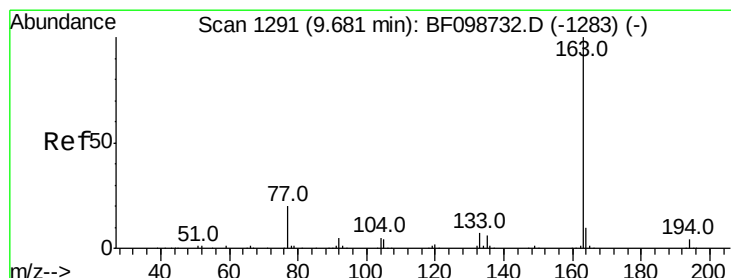
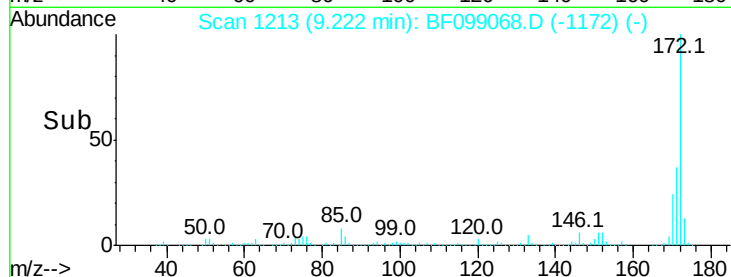
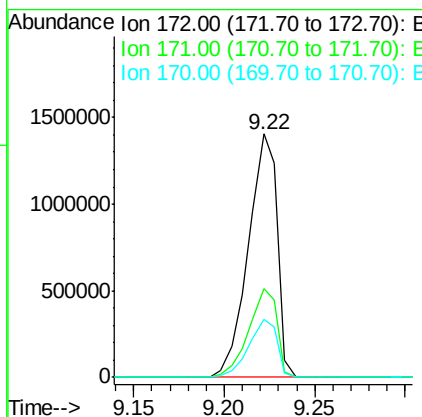
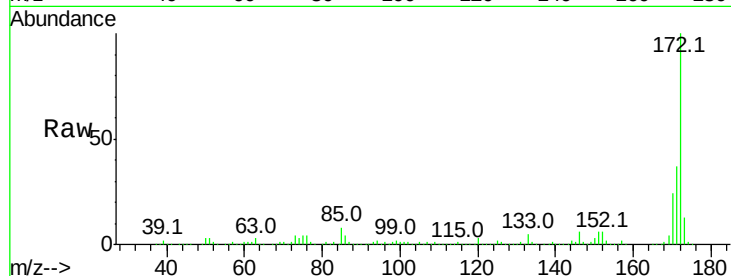
#44
2-Fluorobiphenyl
Concen: 79.656 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.06 min
Lab File: BF099068.D
Acq: 4 Oct 2017 15:52

Instrument :
BNA_F
ClientSampleId :
1A-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.0	19.6	29.4

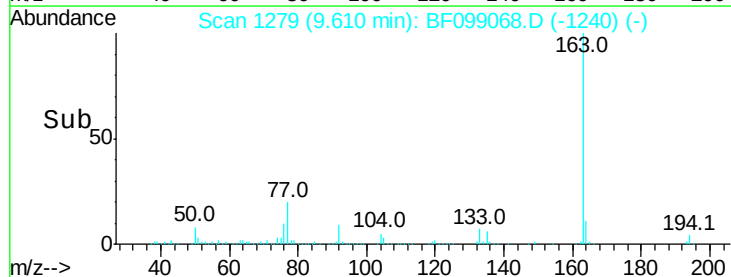
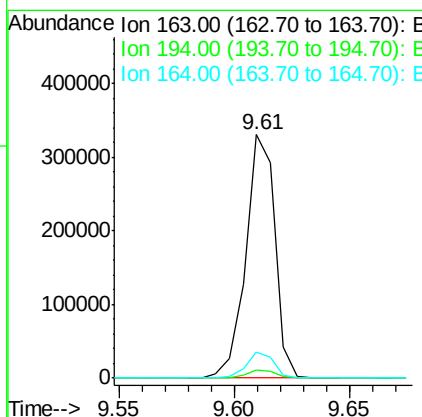
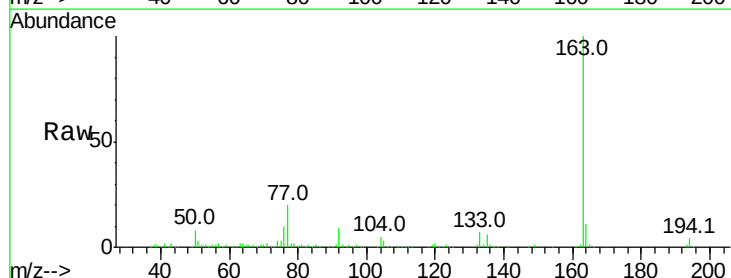
Manual Integrations
APPROVED

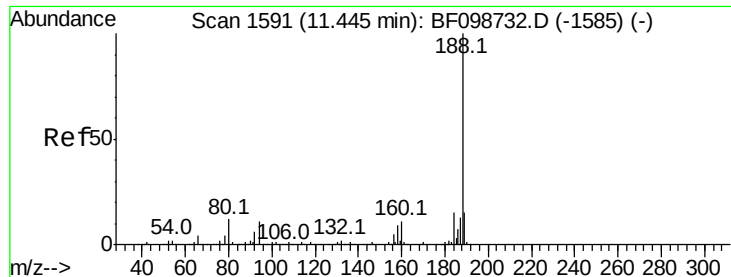
Sohil
10/5/2017 6:15:30 PM



#49
Dimethylphthalate
Concen: 11.905 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.07 min
Lab File: BF099068.D
Acq: 4 Oct 2017 15:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.6	8.2	12.2





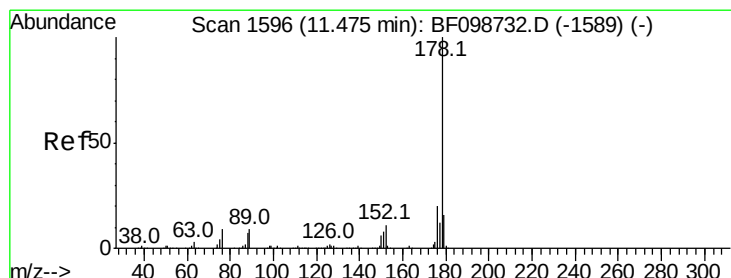
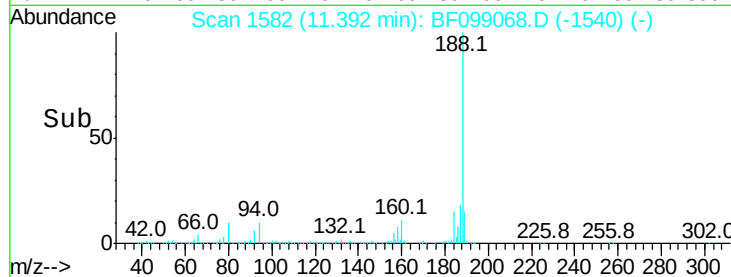
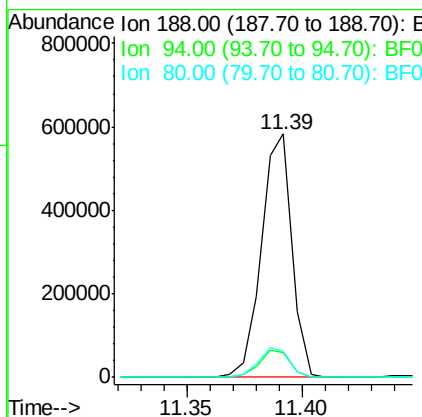
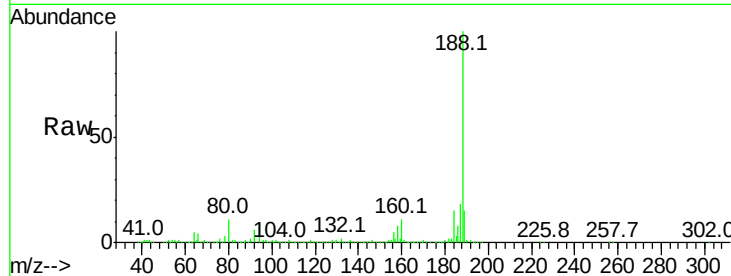
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.05 min
Lab File: BF099068.D
Acq: 4 Oct 2017 15:52

Instrument :
BNA_F
ClientSampleId :
1A-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.5	9.2	13.8

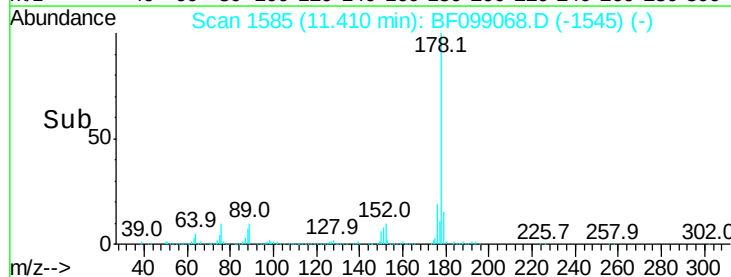
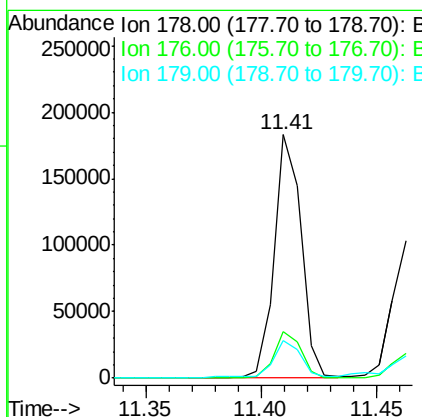
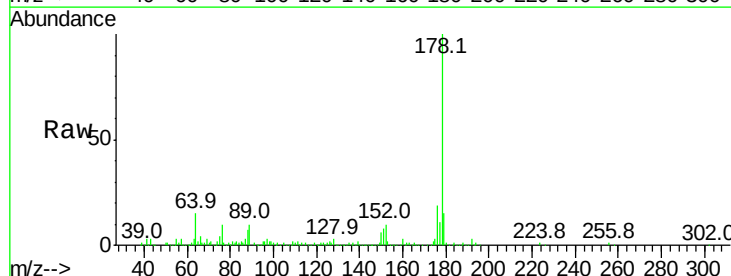
Manual Integrations
APPROVED

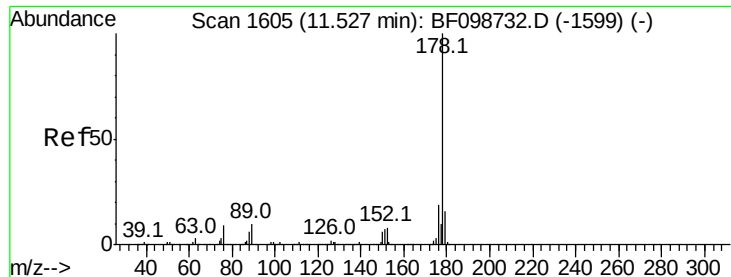
Sohil
10/5/2017 6:15:30 PM



#70
Phenanthrene
Concen: 5.110 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.06 min
Lab File: BF099068.D
Acq: 4 Oct 2017 15:52

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.5	13.0	19.6





#71

Anthracene

Concen: 2.674 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.06 min

Lab File: BF099068.D

Acq: 4 Oct 2017 15:52

Instrument :

BNA_F

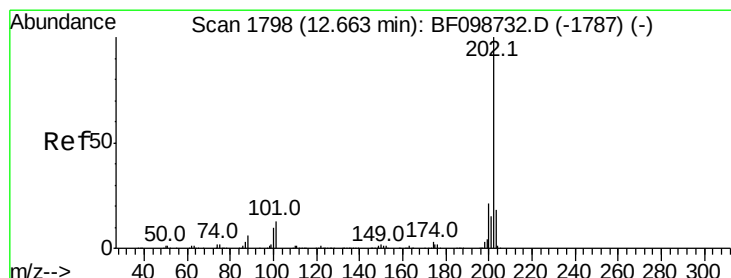
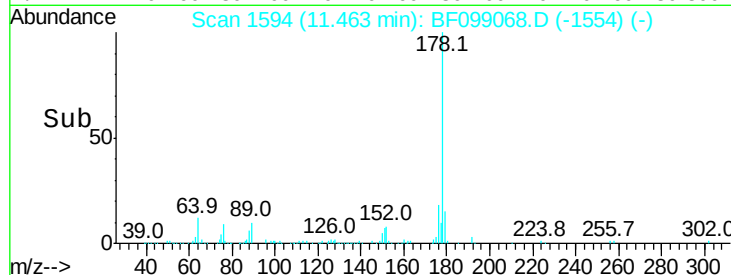
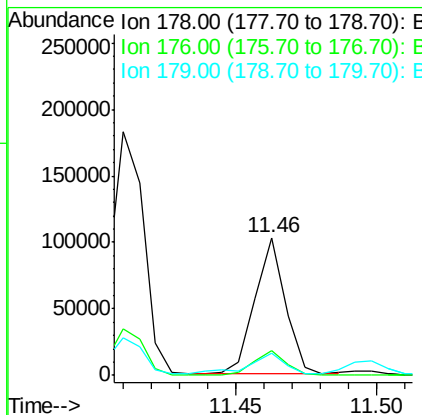
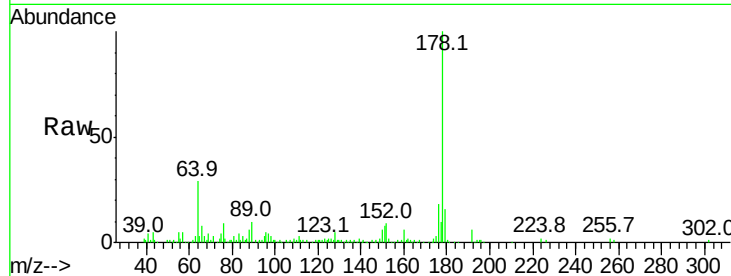
ClientSampleId :

1A-(1-2)-COMP-(0-5)

Tot Ion:178	Resp:	78330
Ion Ratio	Lower	Upper
178	100	
176	17.7	15.4 23.2
179	15.6	12.6 19.0

Manual Integrations
APPROVED

Sohil
10/5/2017 6:15:30 PM



#74

Fluoranthene

Concen: 10.891 ng

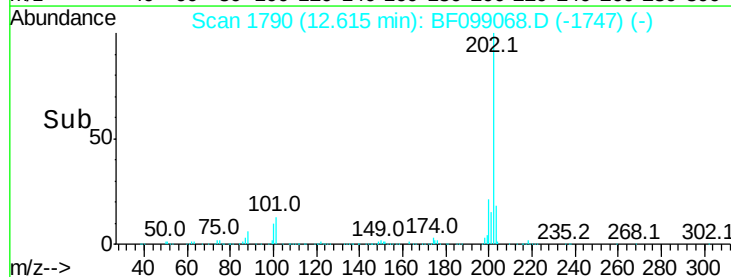
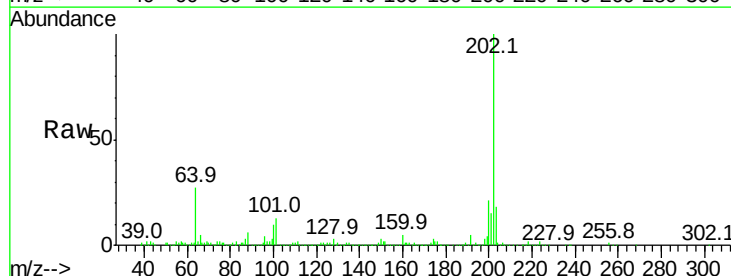
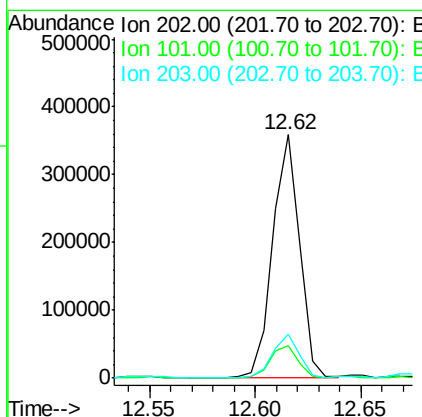
RT: 12.62 min Scan# 1790

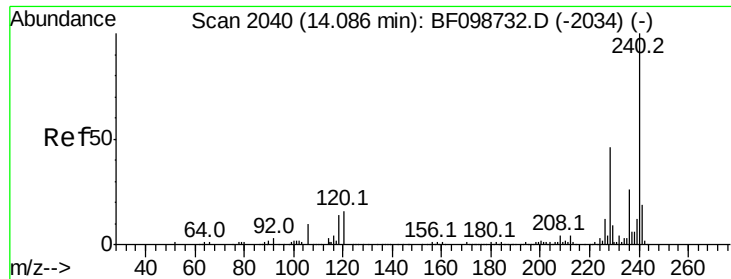
Delta R.T. -0.05 min

Lab File: BF099068.D

Acq: 4 Oct 2017 15:52

Tgt Ion:202	Resp:	315803
Ion Ratio	Lower	Upper
202	100	
101	13.2	0.0 34.1
203	18.1	0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.06 min

Lab File: BF099068.D

Acq: 4 Oct 2017 15:52

Instrument :

BNA_F

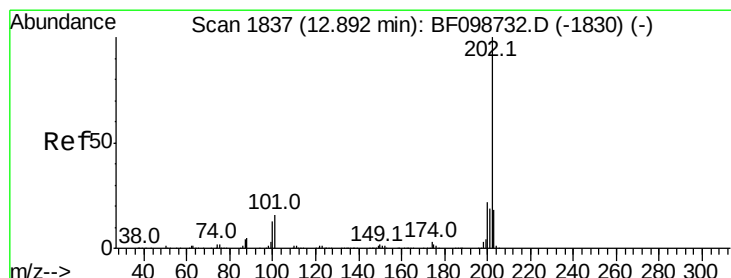
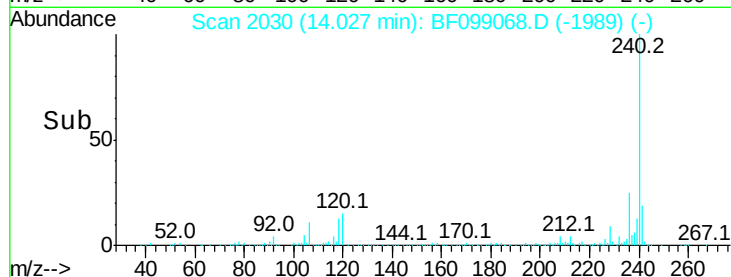
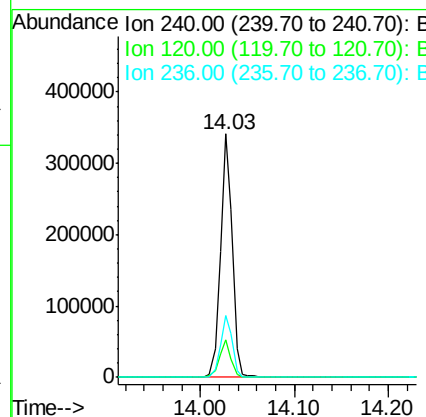
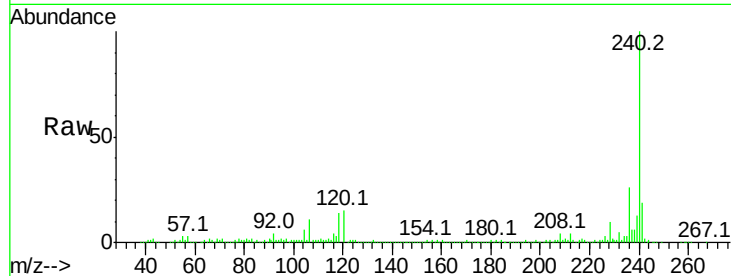
ClientSampleId :

1A-(1-2)-COMP-(0-5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.3	9.5	14.3
236	25.6	20.7	31.1

Manual Integrations
APPROVED

Sohil
10/5/2017 6:15:30 PM



#77

Pyrene

Concen: 12.082 ng

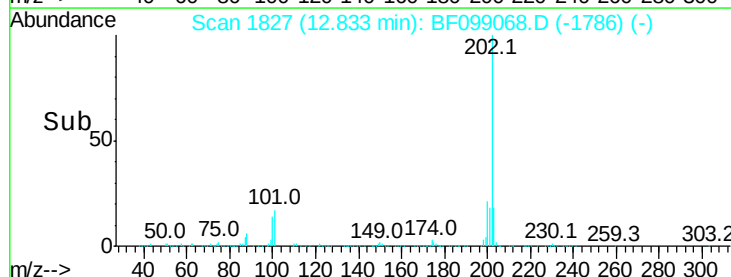
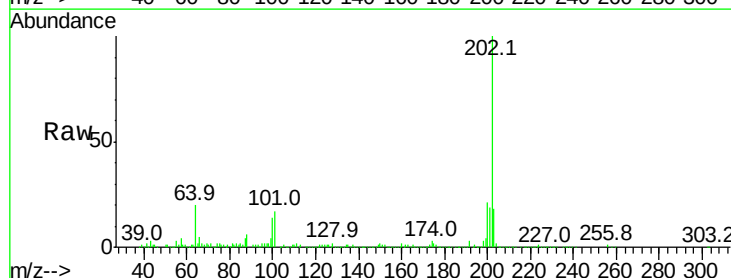
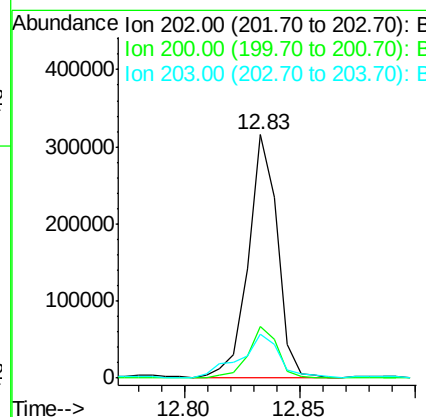
RT: 12.83 min Scan# 1827

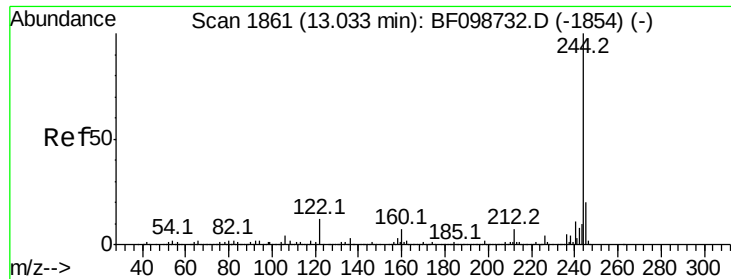
Delta R.T. -0.06 min

Lab File: BF099068.D

Acq: 4 Oct 2017 15:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.9	14.3	21.5





#78

Terphenyl-d14

Concen: 82.384 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.05 min

Lab File: BF099068.D

Acq: 4 Oct 2017 15:52

Instrument :

BNA_F

ClientSampleId :

1A-(1-2)-COMP-(0-5)

Tot Ion:244 Resp: 1088332

Ion Ratio Lower Upper

244 100

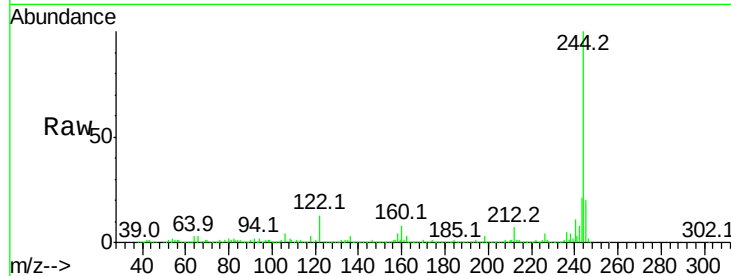
212 7.0 5.4 8.0

122 12.6 11.0 16.4

Manual Integrations
APPROVED

Sohil

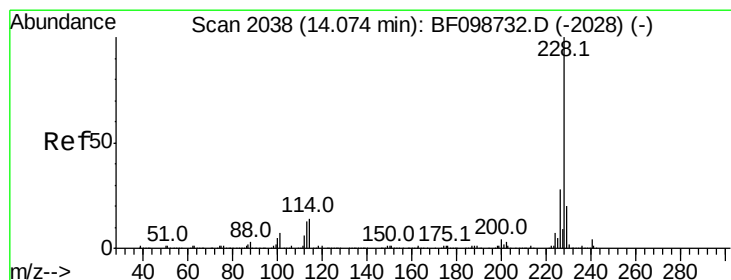
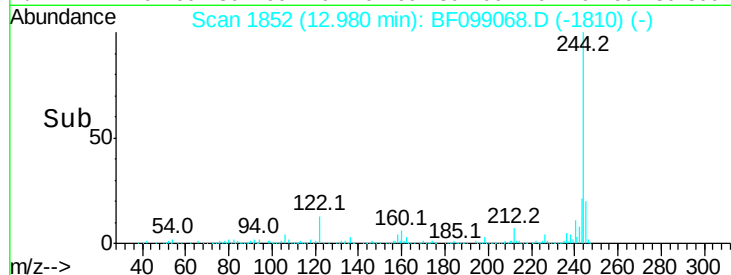
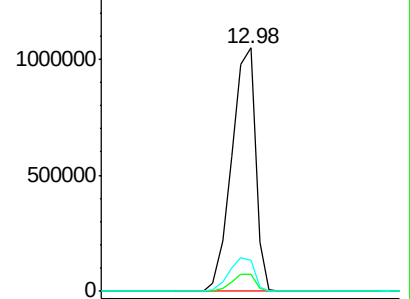
10/5/2017 6:15:30 PM



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: 6.855 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.06 min

Lab File: BF099068.D

Acq: 4 Oct 2017 15:52

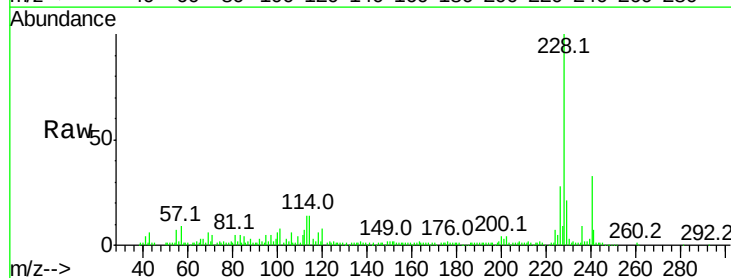
Tgt Ion:228 Resp: 124711

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

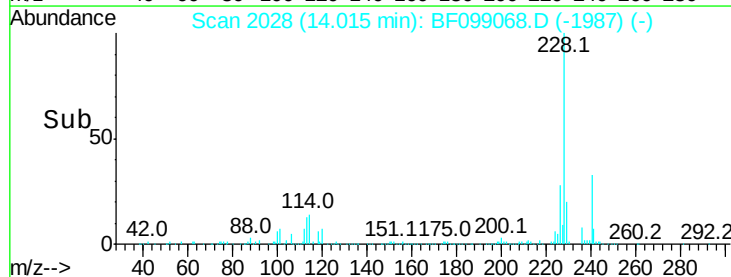
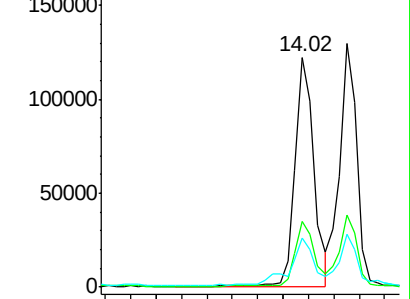
229 21.2 15.8 23.6

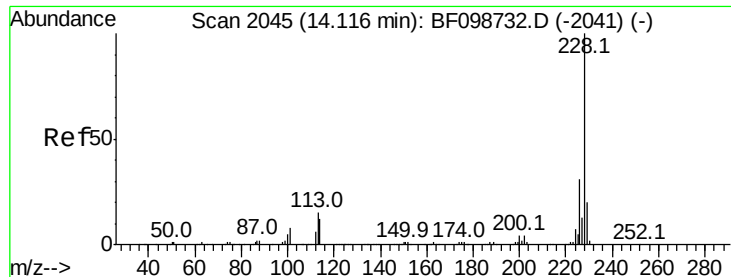


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.955 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.06 min

Lab File: BF099068.D

Acq: 4 Oct 2017 15:52

Instrument :

BNA_F

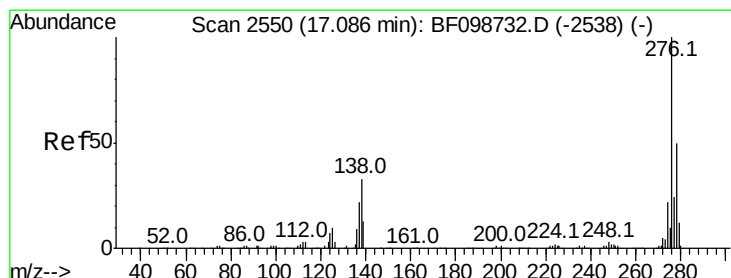
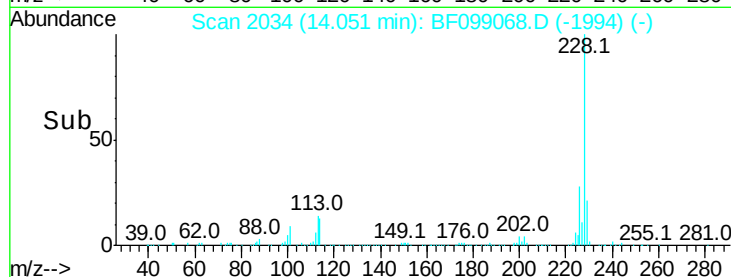
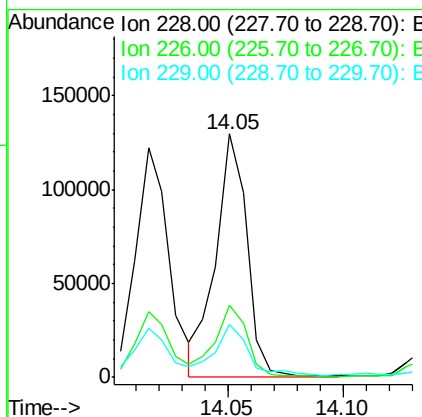
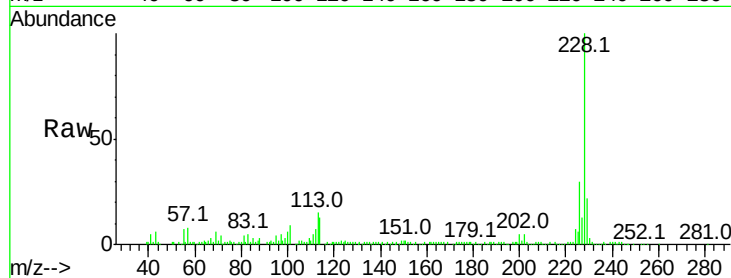
ClientSampleId :

1A-(1-2)-COMP-(0-5)

Tot Ion:	228	Resp:	120461
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.0	37.6
229	21.8	16.2	24.4

Manual Integrations
APPROVED

Sohil
10/5/2017 6:15:30 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.667 ng

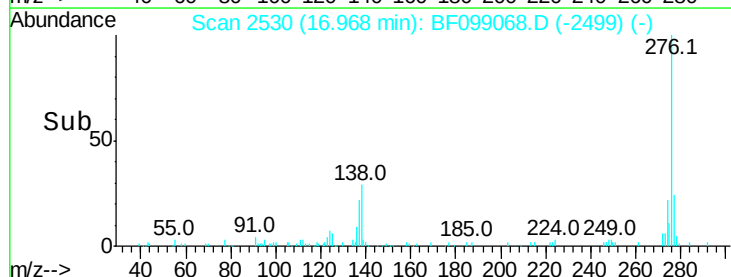
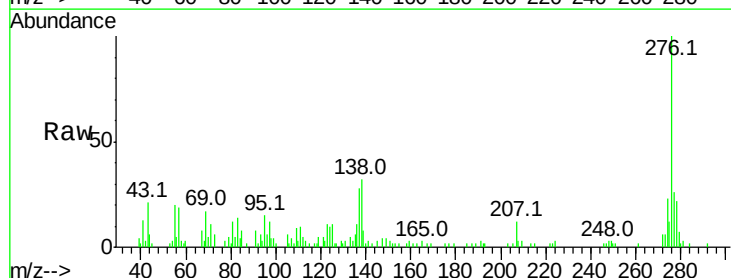
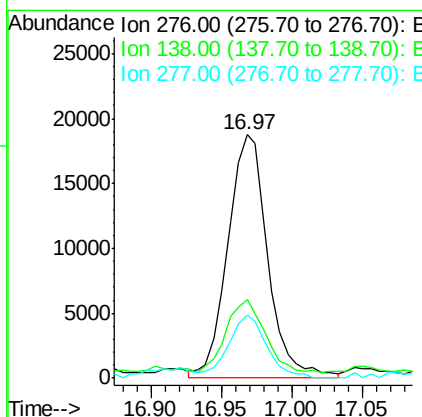
RT: 16.97 min Scan# 2530

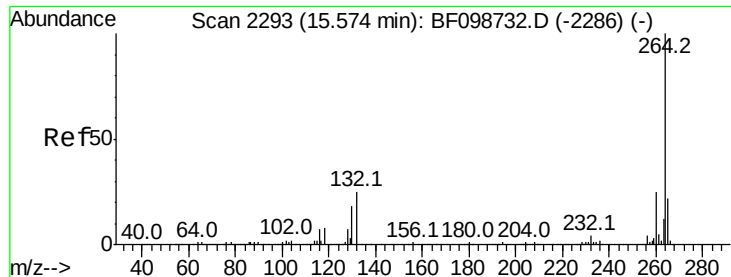
Delta R.T. -0.12 min

Lab File: BF099068.D

Acq: 4 Oct 2017 15:52

Tgt Ion:	276	Resp:	36952
Ion Ratio	Lower	Upper	
276	100		
138	28.5	25.0	37.6
277	25.0	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.08 min

Lab File: BF099068.D

Acq: 4 Oct 2017 15:52

Instrument :

BNA_F

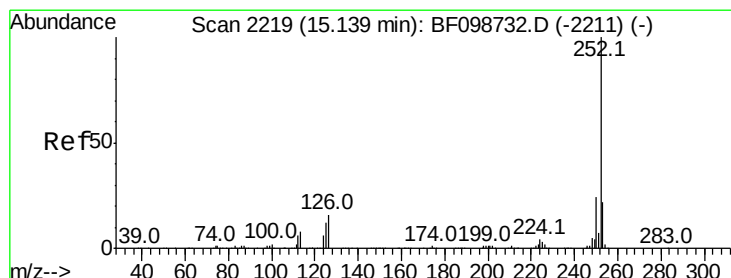
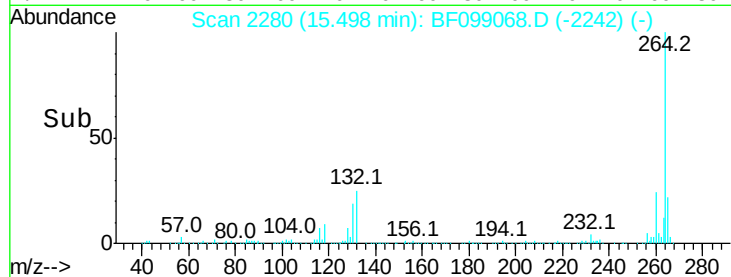
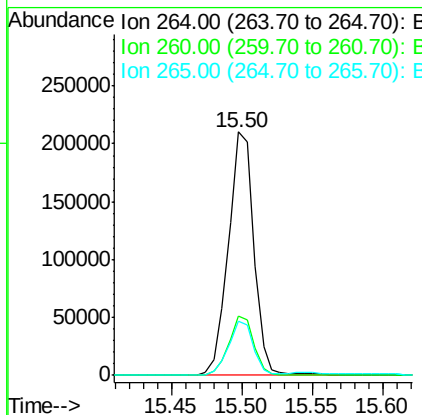
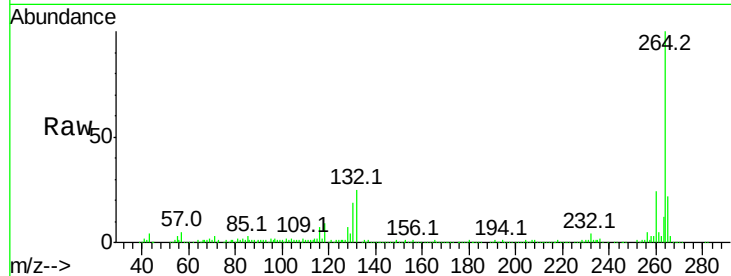
ClientSampleId :

1A-(1-2)-COMP-(0-5)

Tot Ion:	264	Resp:	265224
Ion Ratio		Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.3	17.5	26.3

Manual Integrations
APPROVED

Sohil
10/5/2017 6:15:30 PM



#87

Benzo(b)fluoranthene

Concen: 5.972 ng m

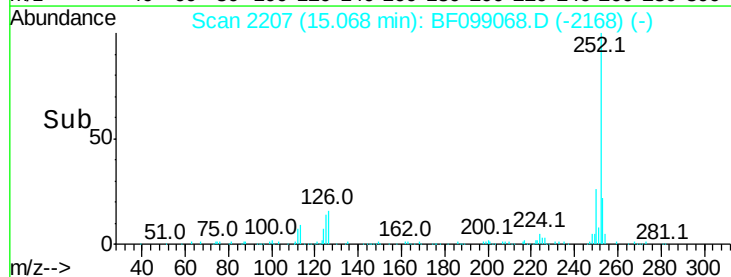
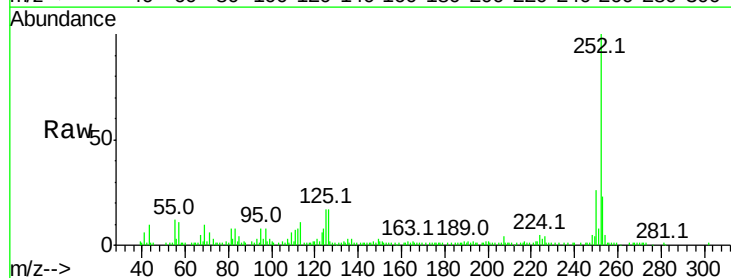
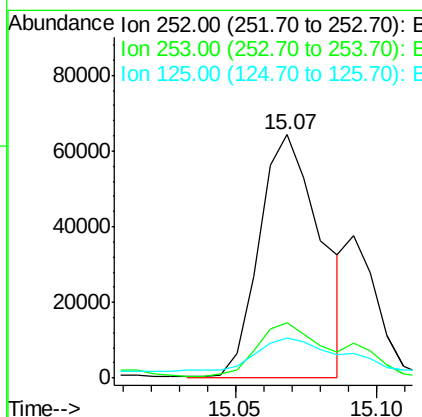
RT: 15.07 min Scan# 2207

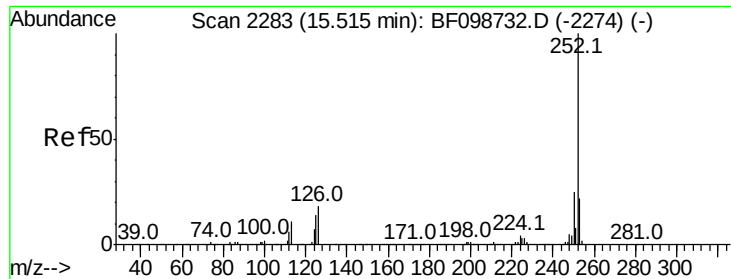
Delta R.T. -0.07 min

Lab File: BF099068.D

Acq: 4 Oct 2017 15:52

Tgt Ion:	252	Resp:	97390
Ion Ratio		Lower	Upper
252	100		
253	22.9	17.0	25.6
125	16.6	9.0	13.6#





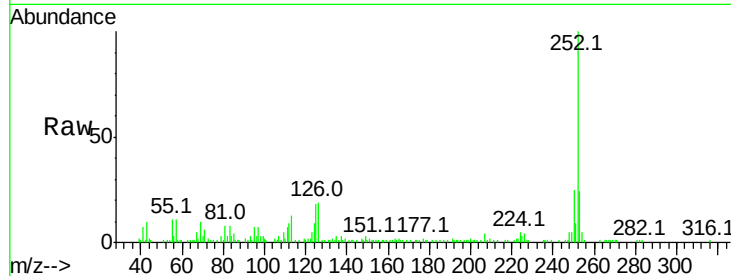
#89
Benzo(a)pyrene
Concen: 4.287 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.08 min
Lab File: BF099068.D
Acq: 4 Oct 2017 15:52

Instrument :
BNA_F
ClientSampleId :
1A-(1-2)-COMP-(0-5)

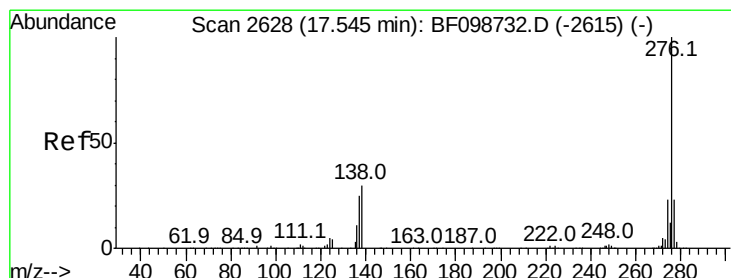
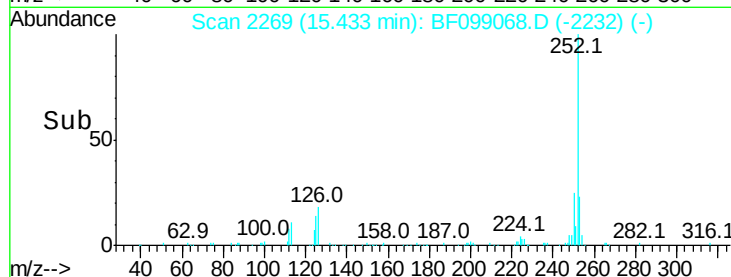
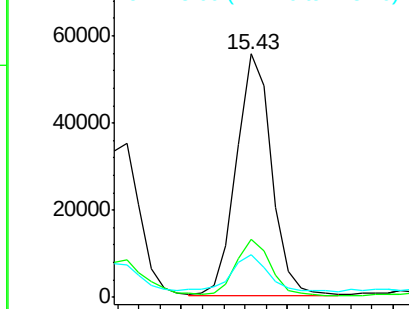
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	17.5	9.8	14.6

Manual Integrations
APPROVED

Sohil
10/5/2017 6:15:30 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.028 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.13 min
Lab File: BF099068.D
Acq: 4 Oct 2017 15:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	17.9	26.9
138	31.4	21.8	32.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

