

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\
 Data File : BF099069.D
 Acq On : 4 Oct 2017 16:19
 Operator : SJ/JU
 Sample : I5610-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 10/5/2017 6:15:32 PM

Quant Time: Oct 05 12:29:58 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	141819	20.00	ng	-0.06
21) Naphthalene-d8	8.15	136	596237	20.00	ng	-0.06
38) Acenaphthene-d10	9.90	164	273970	20.00	ng	-0.06
63) Phenanthrene-d10	11.39	188	467699	20.00	ng	-0.06
75) Chrysene-d12	14.03	240	285499	20.00	ng	-0.06
86) Perylene-d12	15.50	264	248428	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1147220	128.77	ng	-0.05
7) Phenol-d6	6.50	99	1428238	129.96	ng	-0.05
23) Nitrobenzene-d5	7.43	82	871630	93.75	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	299426	133.56	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	1361192	82.94	ng	-0.06
78) Terphenyl-d14	12.97	244	1029148	81.98	ng	-0.06
Target Compounds						
10) Phenol	6.51	94	36070	2.935	ng	96
49) Dimethylphthalate	9.62	163	365037	17.654	ng	99
70) Phenanthrene	11.41	178	213187	8.516	ng	98
71) Anthracene	11.46	178	62238	2.430	ng	97
74) Fluoranthene	12.62	202	329257	12.988	ng	97
77) Pyrene	12.83	202	269753	12.391	ng	98
80) Benzo(a)anthracene	14.02	228	114984	6.651	ng	98
82) Chrysene	14.05	228	93568	5.685	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	43974	3.340	ng	97
87) Benzo(b)fluoranthene	15.07	252	106090m	6.946	ng	
89) Benzo(a)pyrene	15.43	252	77229	5.508	ng	# 93
91) Benzo(a,h,i)perylene	17.42	276	45047	4.061	ng	# 90

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

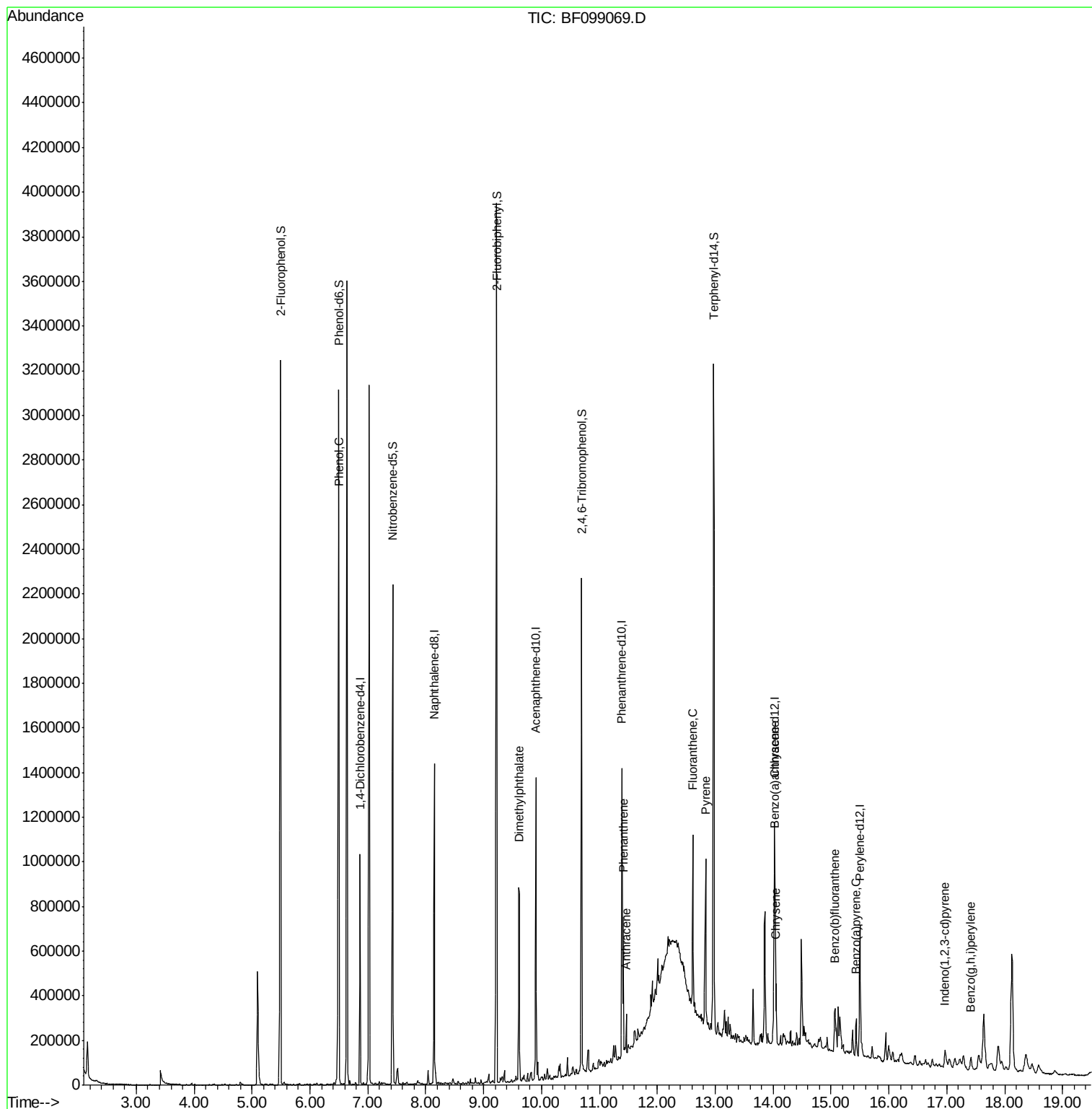
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\
Data File : BF099069.D
Acq On : 4 Oct 2017 16:19
Operator : SJ/JU
Sample : I5610-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

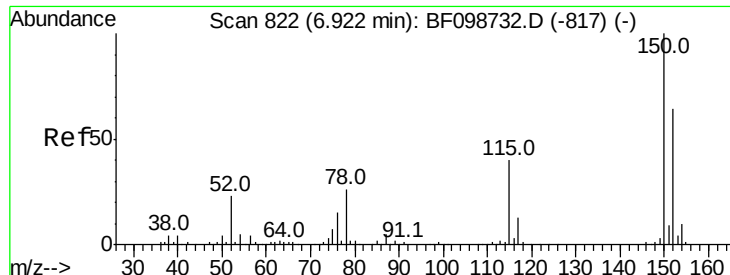
Instrument :
BNA_F
ClientSampleId :
1B-(1-2)-COMP-(0-5)

Manual Integrations
APPROVED

Sohil
10/5/2017 6:15:32 PM

Quant Time: Oct 05 12:29:58 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

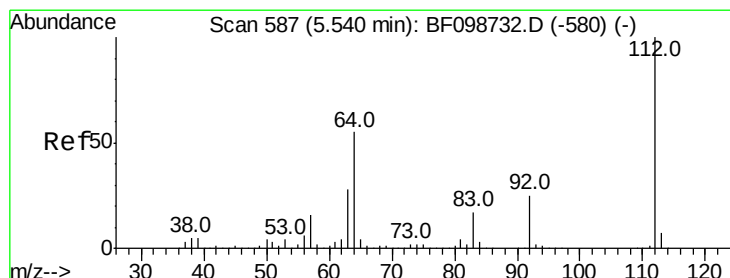
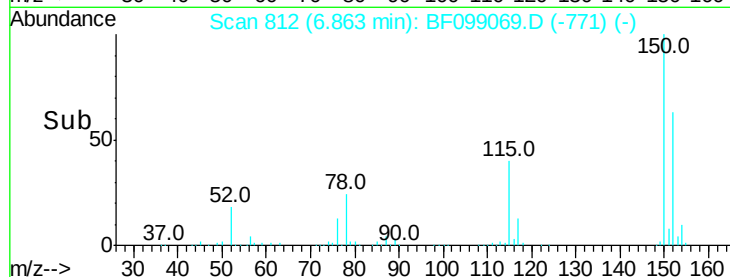
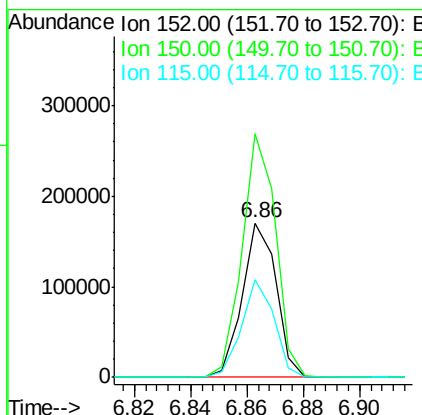
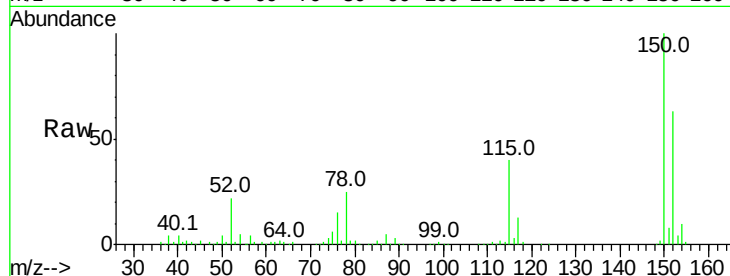
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.06 min
 Lab File: BF099069.D
 Acq: 4 Oct 2017 16:19

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	63.8	50.1	75.1

Manual Integrations
 APPROVED

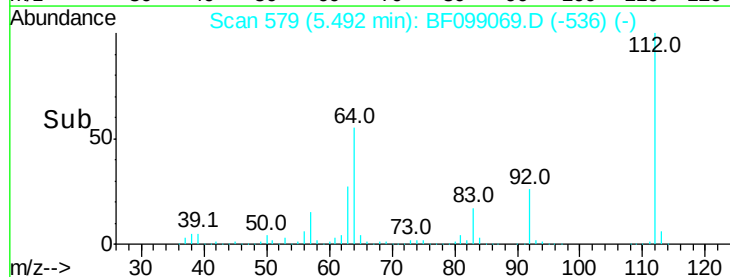
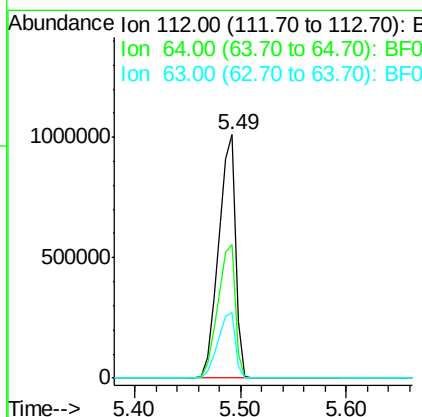
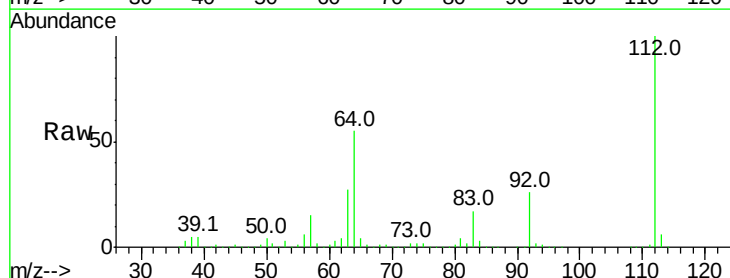
Sohil
 10/5/2017 6:15:32 PM

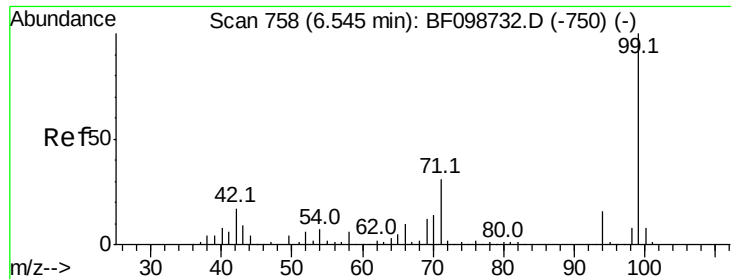


#5

2-Fluorophenol
 Concen: 128.774 ng
 RT: 5.49 min Scan# 579
 Delta R.T. -0.05 min
 Lab File: BF099069.D
 Acq: 4 Oct 2017 16:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	47.9	71.9
63	27.1	23.7	35.5





#7

Phenol-d6

Concen: 129.958 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.05 min

Lab File: BF099069.D

Acq: 4 Oct 2017 16:19

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion: 99 Resp: 1428238

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

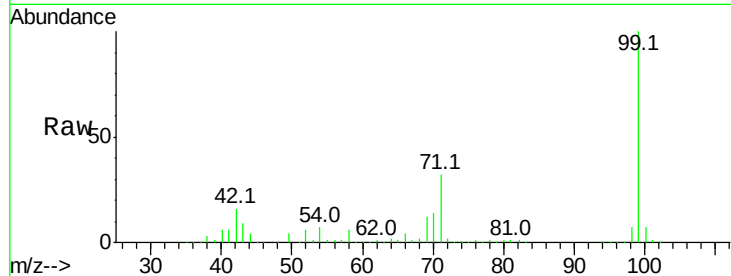
71 32.0 25.4 38.0

Manual Integrations

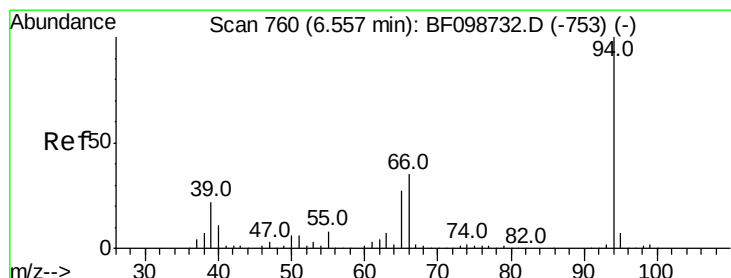
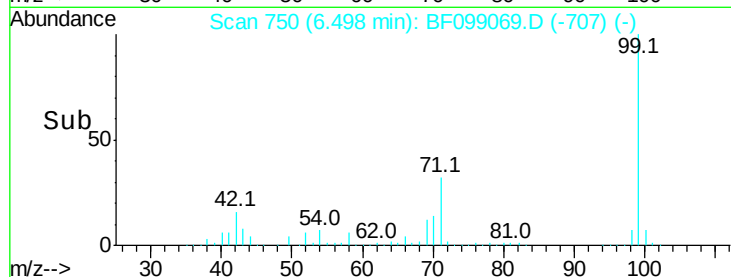
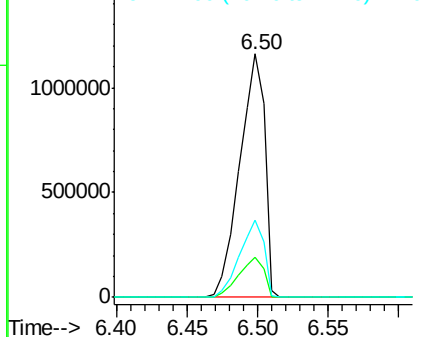
APPROVED

Sohil

10/5/2017 6:15:32 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



#10

Phenol

Concen: 2.935 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.05 min

Lab File: BF099069.D

Acq: 4 Oct 2017 16:19

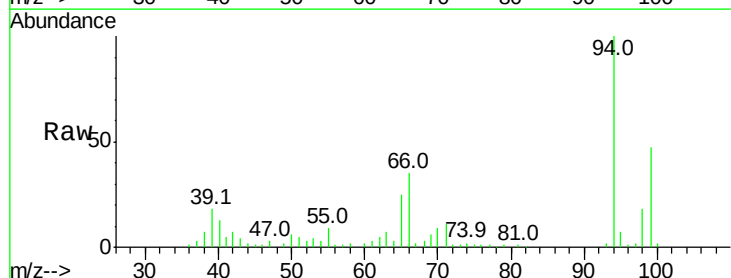
Tgt Ion: 94 Resp: 36070

Ion Ratio Lower Upper

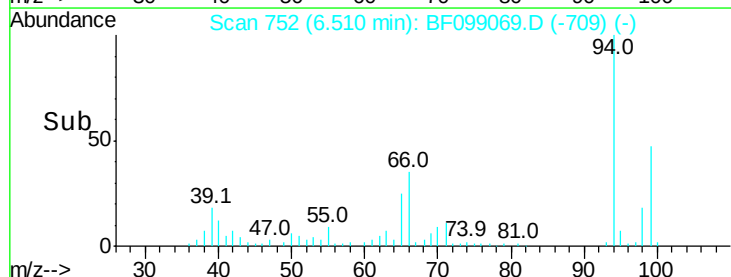
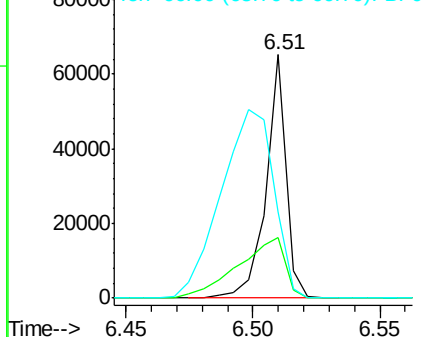
94 100

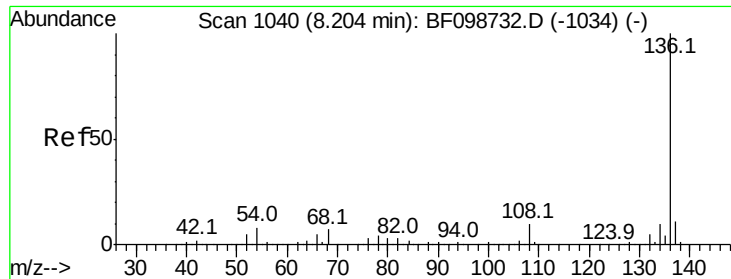
65 24.8 7.9 47.9

66 35.2 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





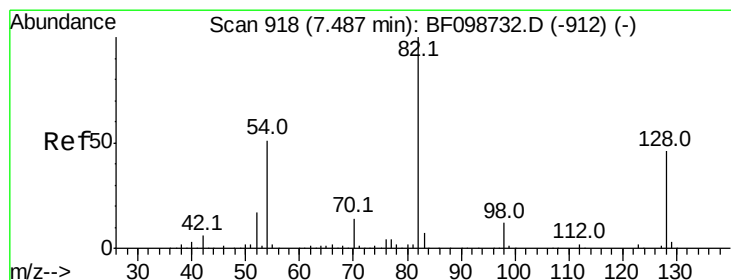
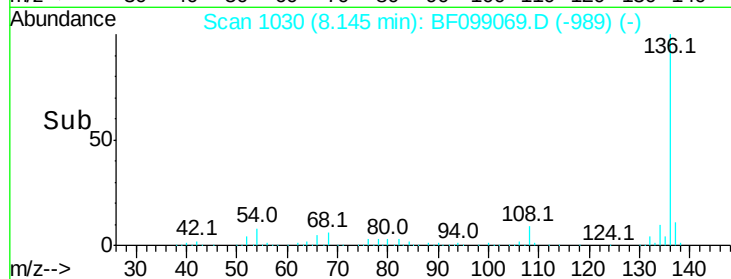
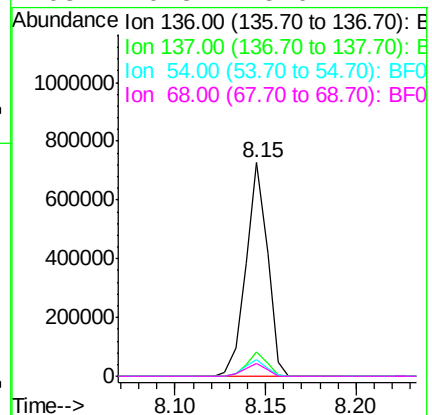
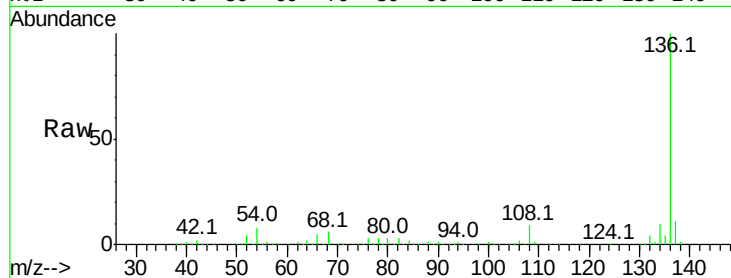
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF099069.D
Acq: 4 Oct 2017 16:19

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.9	13.3	
54	8.1	6.6	9.8	
68	6.3	5.0	7.4	

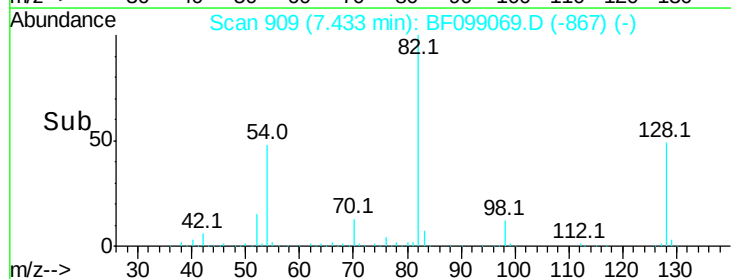
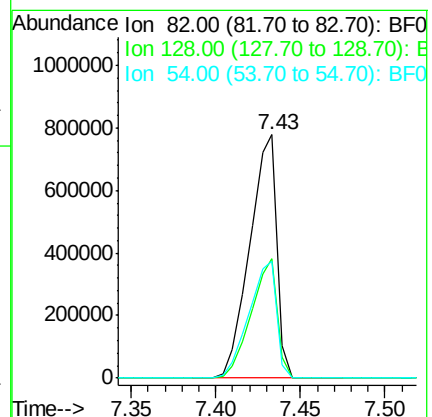
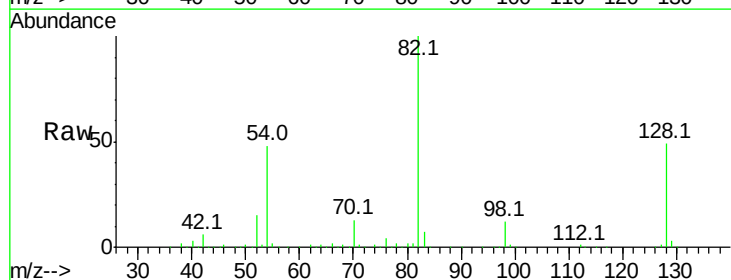
Manual Integrations
APPROVED

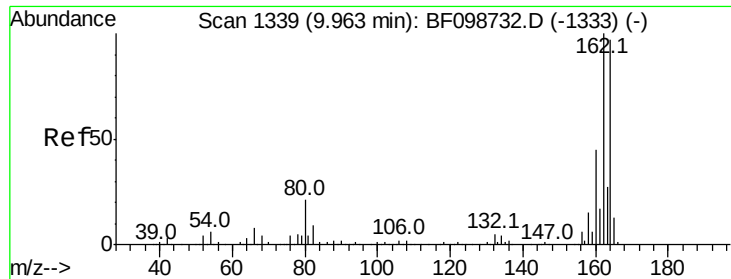
Sohil
10/5/2017 6:15:32 PM



#23
Nitrobenzene-d5
Concen: 93.751 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.05 min
Lab File: BF099069.D
Acq: 4 Oct 2017 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.3	36.1	54.1	
54	47.9	41.4	62.2	





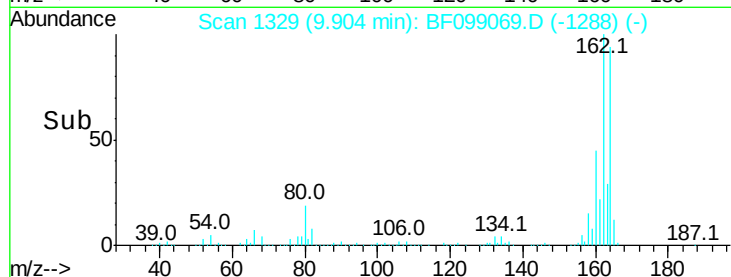
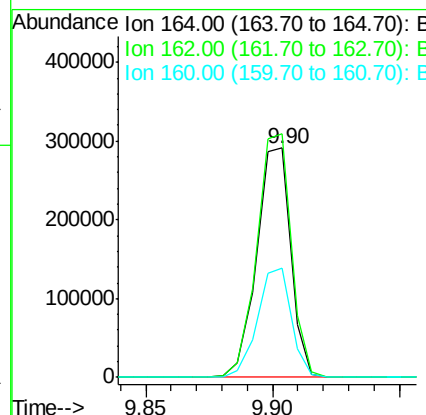
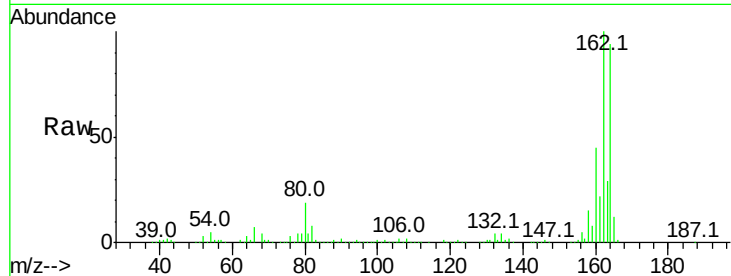
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.06 min
 Lab File: BF099069.D
 Acq: 4 Oct 2017 16:19

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.3	86.1	129.1
160	47.8	38.3	57.5

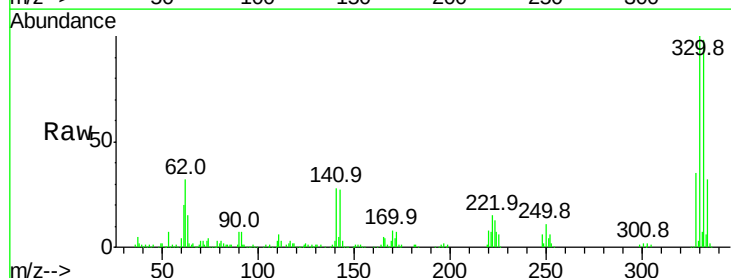
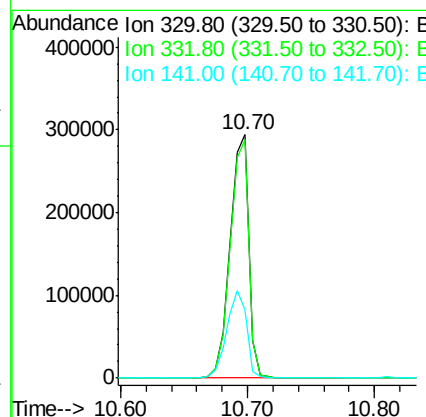
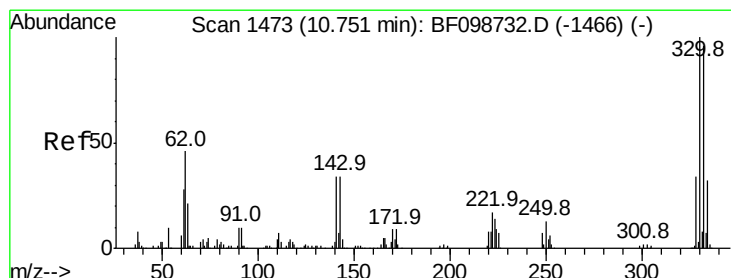
Manual Integrations
 APPROVED

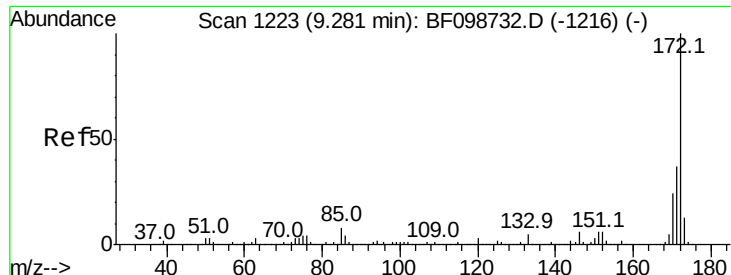
Sohil
 10/5/2017 6:15:32 PM



#41
 2,4,6-Tribromophenol
 Concen: 133.564 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.05 min
 Lab File: BF099069.D
 Acq: 4 Oct 2017 16:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	38.6	29.9	44.9





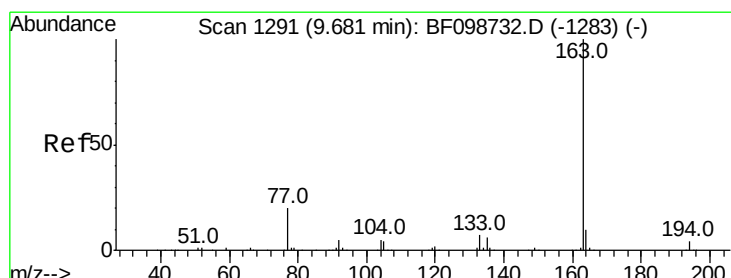
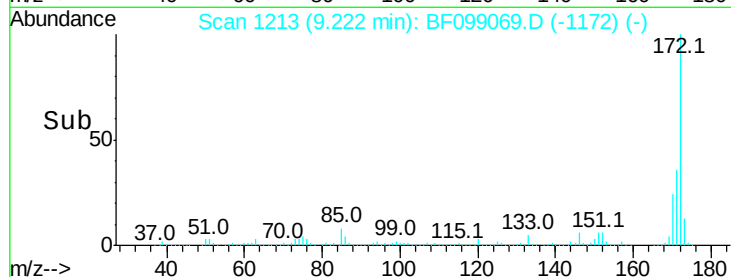
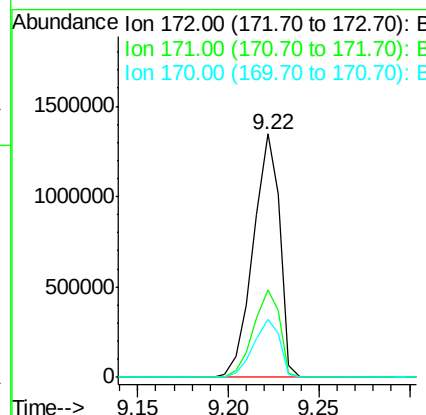
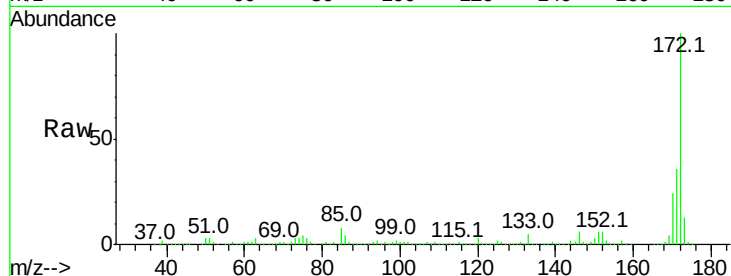
#44
2-Fluorobiphenyl
Concen: 82.943 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.06 min
Lab File: BF099069.D
Acq: 4 Oct 2017 16:19

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.0	19.6	29.4

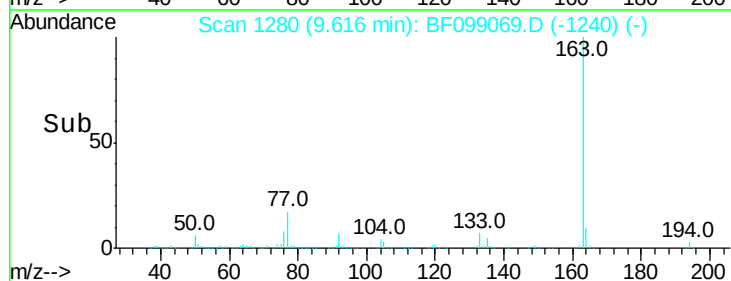
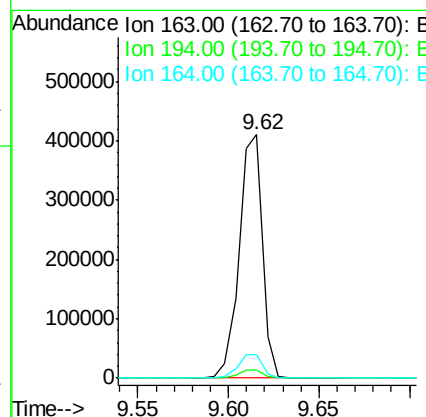
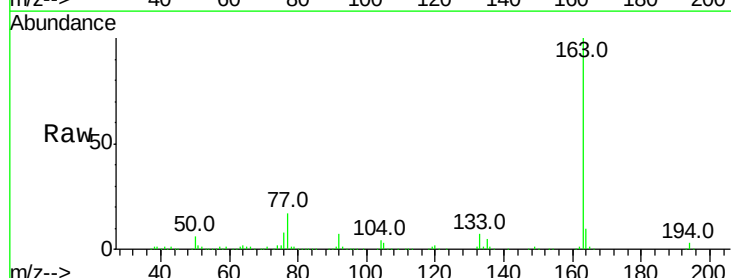
Manual Integrations
APPROVED

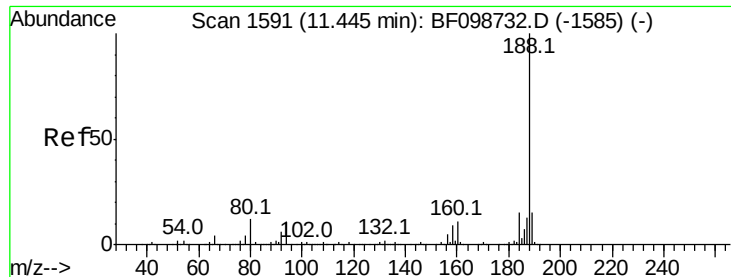
Sohil
10/5/2017 6:15:32 PM



#49
Dimethylphthalate
Concen: 17.654 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.06 min
Lab File: BF099069.D
Acq: 4 Oct 2017 16:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.7	8.2	12.2





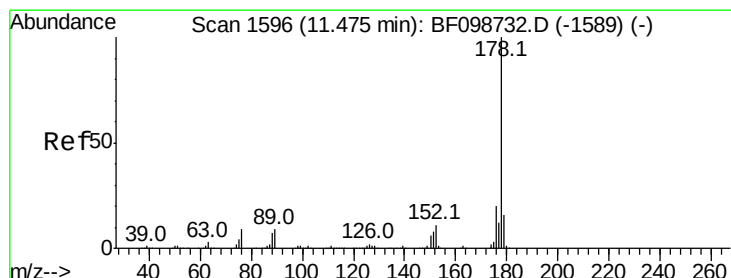
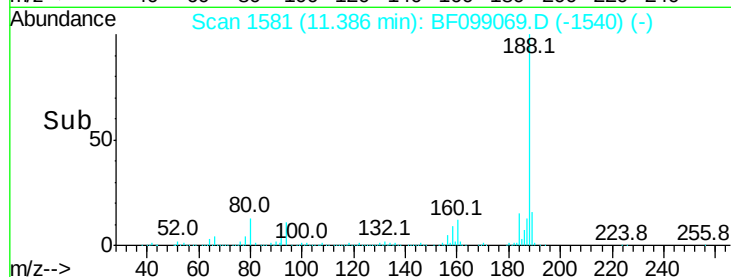
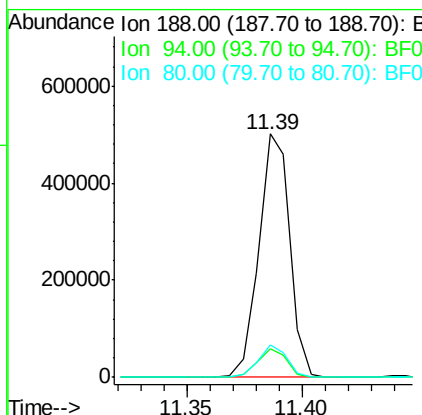
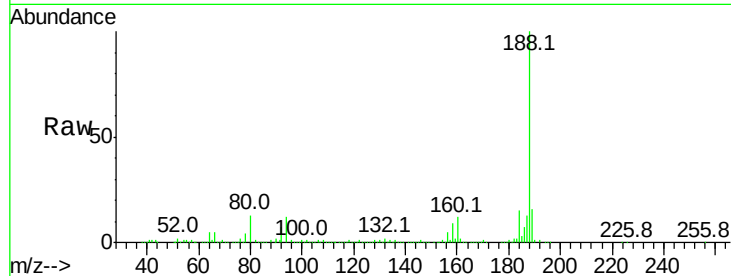
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.06 min
Lab File: BF099069.D
Acq: 4 Oct 2017 16:19

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	467699		
94	11.6		8.5	12.7
80	13.2		9.2	13.8

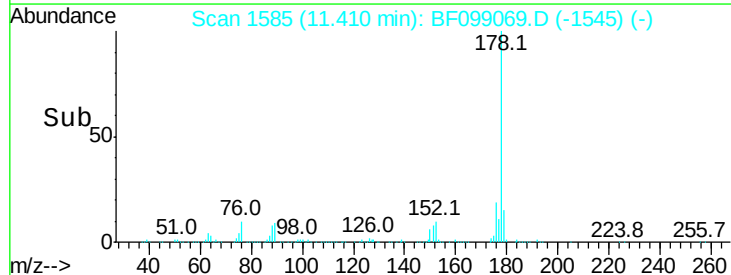
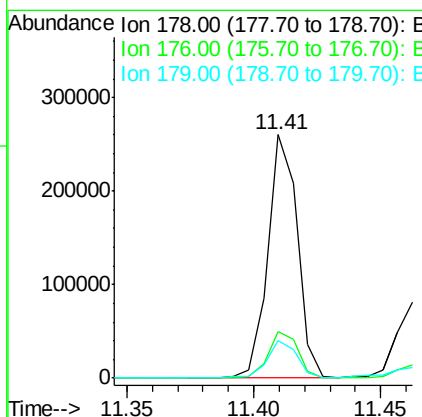
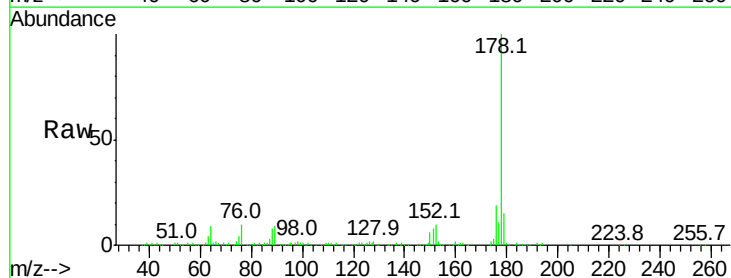
Manual Integrations
APPROVED

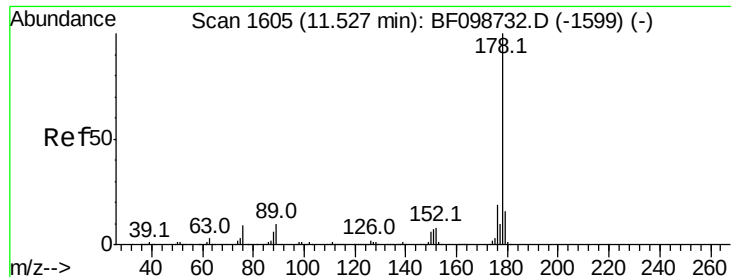
Sohil
10/5/2017 6:15:32 PM



#70
Phenanthrene
Concen: 8.516 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.06 min
Lab File: BF099069.D
Acq: 4 Oct 2017 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	213187		
176	19.3		15.8	23.8
179	15.2		13.0	19.6





#71

Anthracene

Concen: 2.430 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.06 min

Lab File: BF099069.D

Acq: 4 Oct 2017 16:19

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion:178 Resp: 62238

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.2

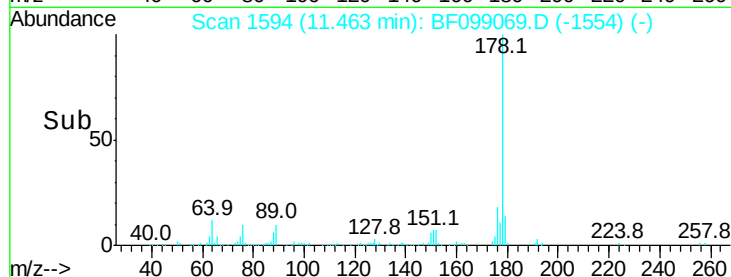
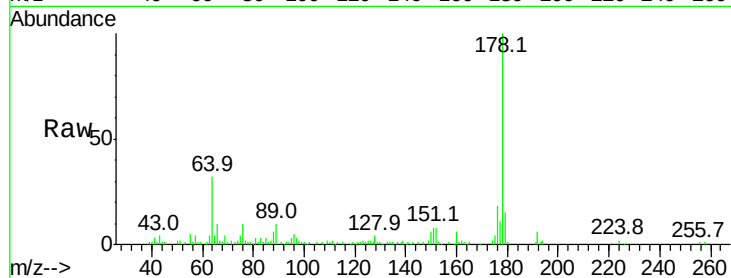
179 14.9 12.6 19.0

Manual Integrations

APPROVED

Sohil

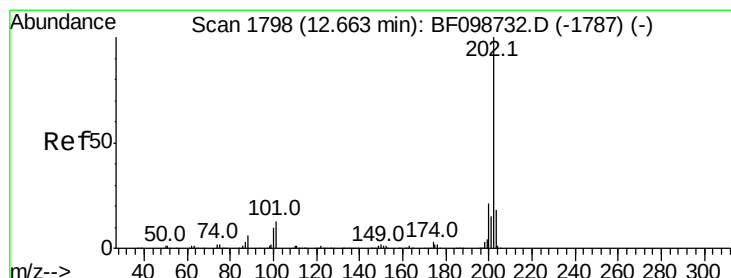
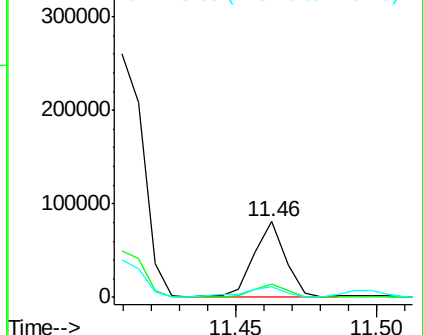
10/5/2017 6:15:32 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 12.988 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.05 min

Lab File: BF099069.D

Acq: 4 Oct 2017 16:19

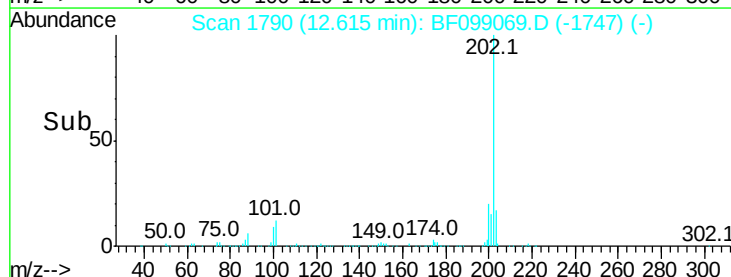
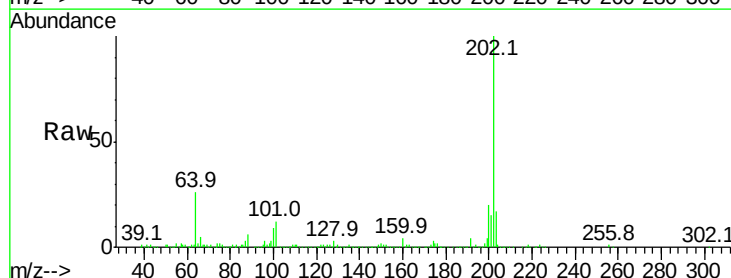
Tgt Ion:202 Resp: 329257

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

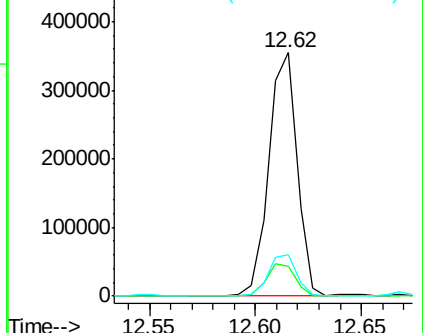
203 17.2 0.0 38.1

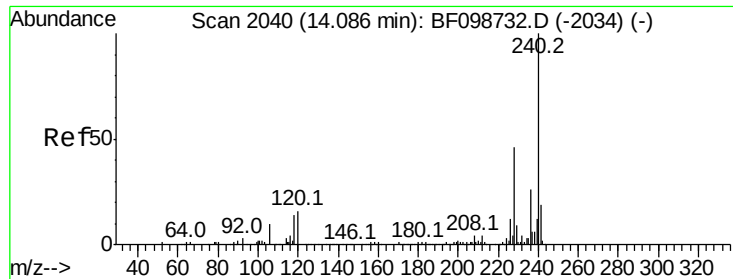


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.03 min Scan# 2030

Delta R.T. -0.06 min

Lab File: BF099069.D

Acq: 4 Oct 2017 16:19

Instrument :

BNA_F

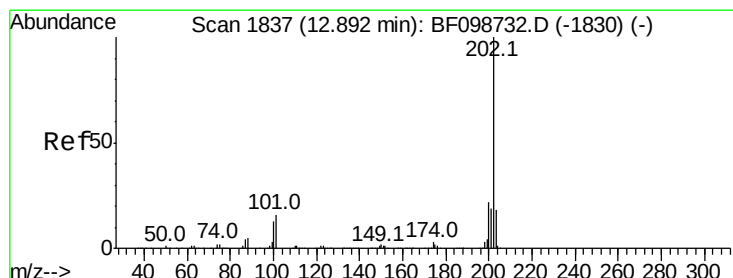
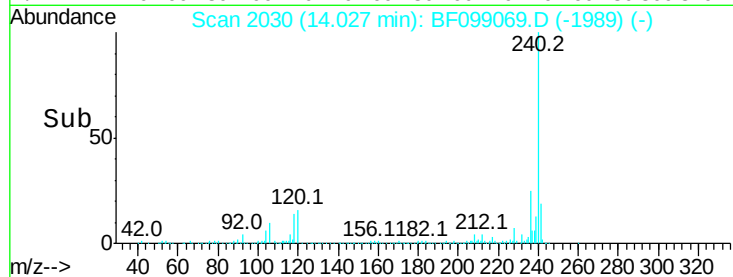
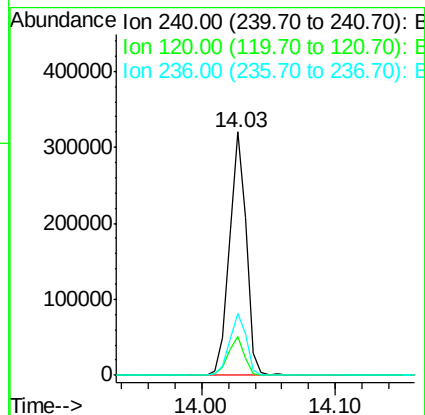
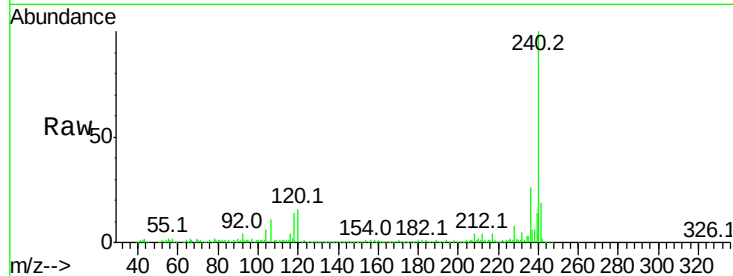
ClientSampleId :

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

Tot Ion:	240	Resp:	285499
Ion Ratio	Lower	Upper	
240	100		
120	15.8	9.5	14.3#
236	25.6	20.7	31.1

Manual Integrations
APPROVED

Sohil
10/5/2017 6:15:32 PM



#77

Pyrene

Concen: 12.391 ng

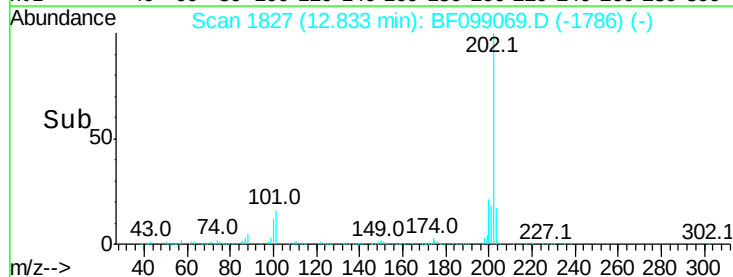
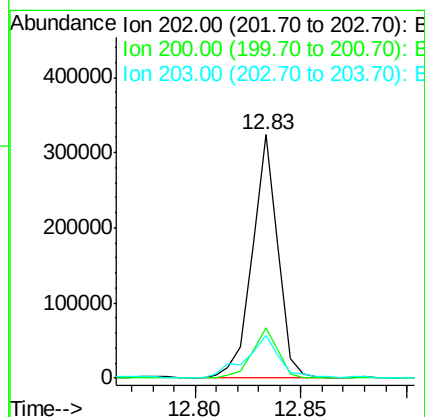
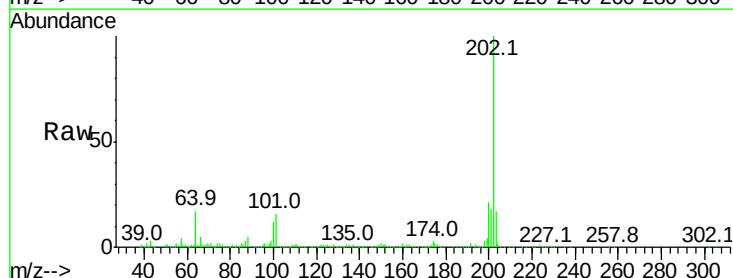
RT: 12.83 min Scan# 1827

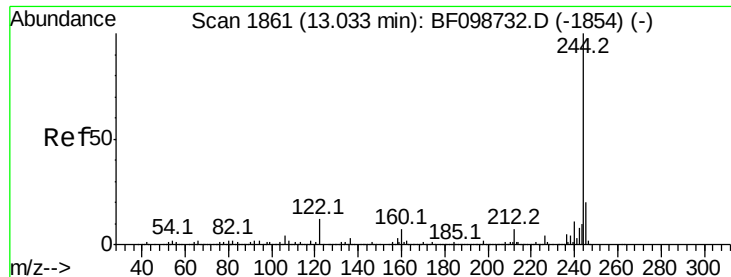
Delta R.T. -0.06 min

Lab File: BF099069.D

Acq: 4 Oct 2017 16:19

Tgt Ion:	202	Resp:	269753
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.4	26.2
203	17.5	14.3	21.5





#78

Terphenyl-d14

Concen: 81.979 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.06 min

Lab File: BF099069.D

Acq: 4 Oct 2017 16:19

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion:244 Resp: 1029148

Ion Ratio Lower Upper

244 100

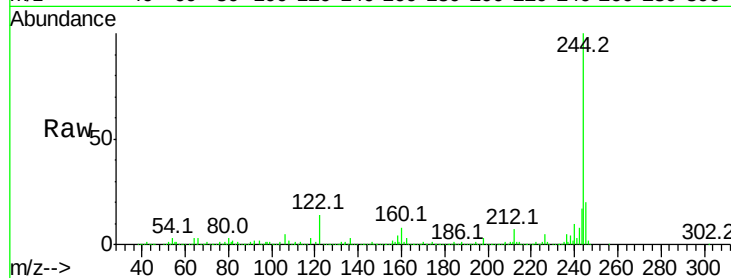
212 7.0 5.4 8.0

122 14.5 11.0 16.4

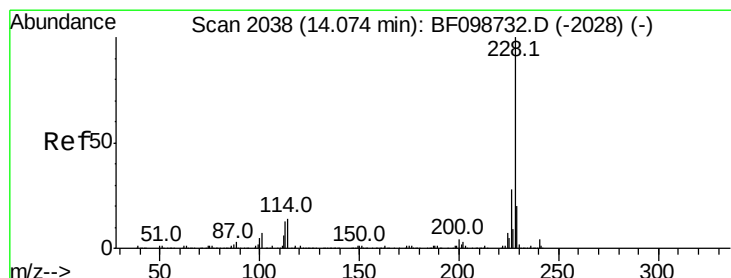
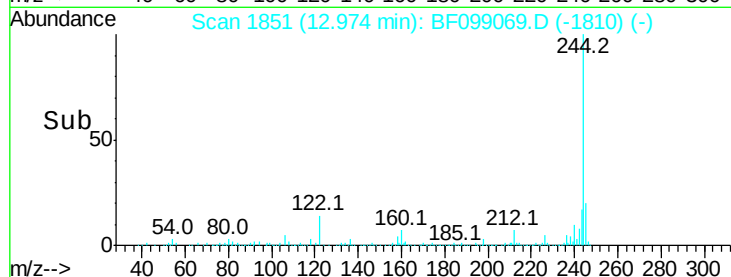
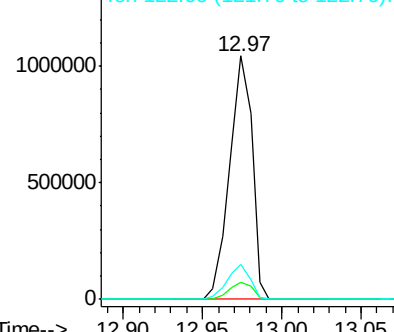
Manual Integrations
APPROVED

Sohil

10/5/2017 6:15:32 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: 6.651 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.06 min

Lab File: BF099069.D

Acq: 4 Oct 2017 16:19

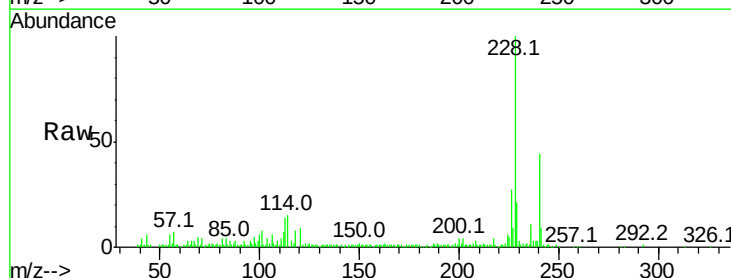
Tgt Ion:228 Resp: 114984

Ion Ratio Lower Upper

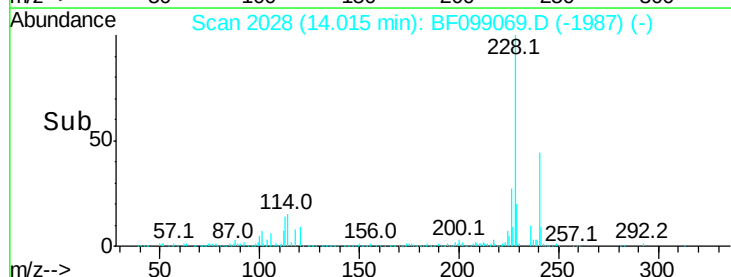
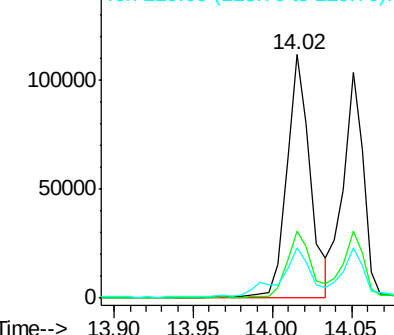
228 100

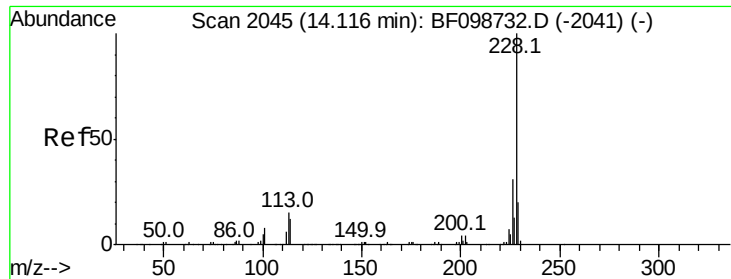
226 27.4 22.6 33.8

229 20.8 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: 5.685 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.06 min

Lab File: BF099069.D

Acq: 4 Oct 2017 16:19

Instrument :

BNA_F

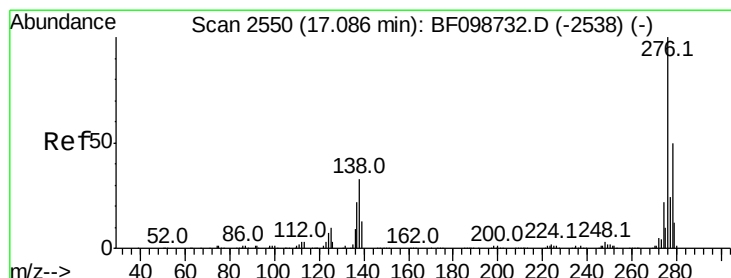
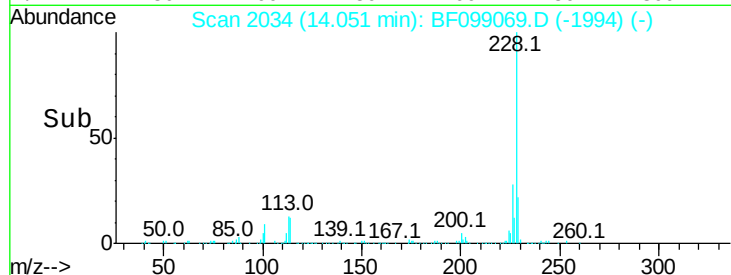
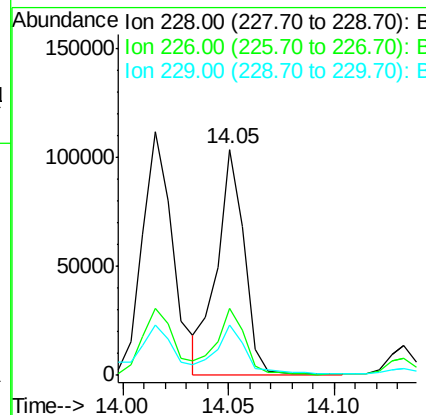
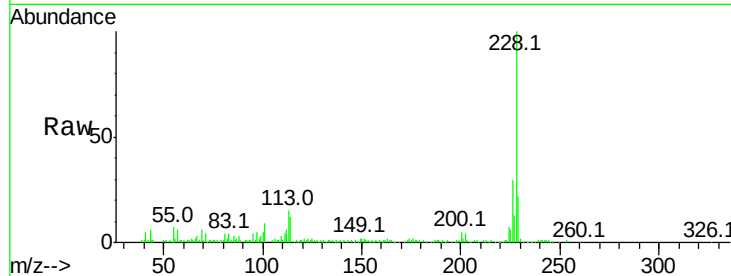
ClientSampleId :

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

Tot Ion:	228	Resp:	93568
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.0	37.6
229	22.3	16.2	24.4

Manual Integrations
APPROVED

Sohil
10/5/2017 6:15:32 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.340 ng

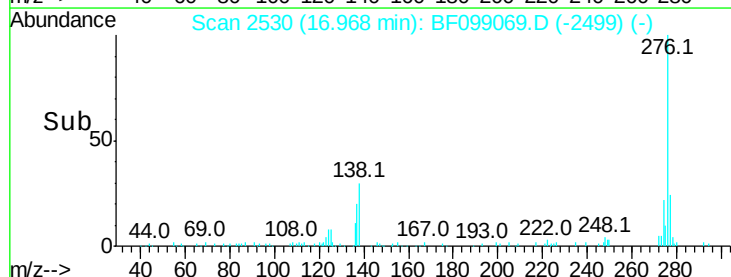
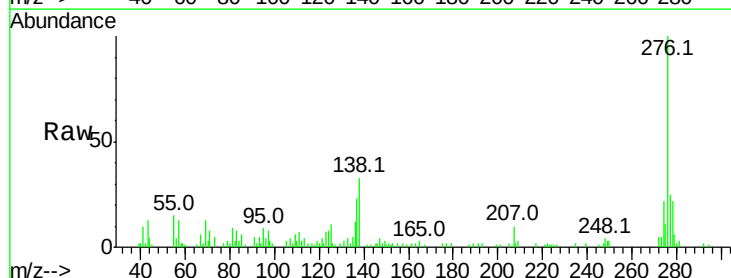
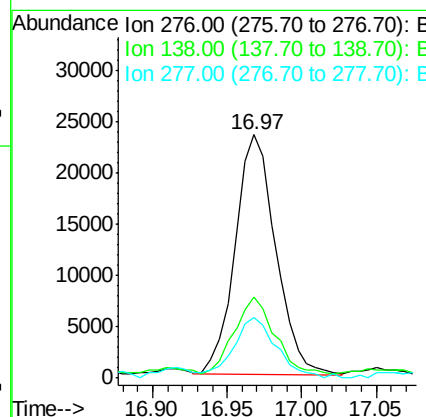
RT: 16.97 min Scan# 2530

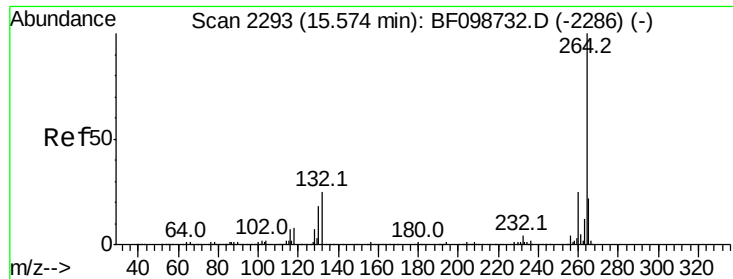
Delta R.T. -0.12 min

Lab File: BF099069.D

Acq: 4 Oct 2017 16:19

Tgt Ion:	276	Resp:	43974
Ion Ratio	Lower	Upper	
276	100		
138	32.5	25.0	37.6
277	27.1	20.1	30.1





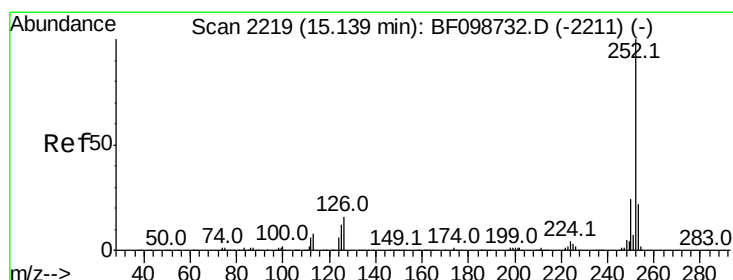
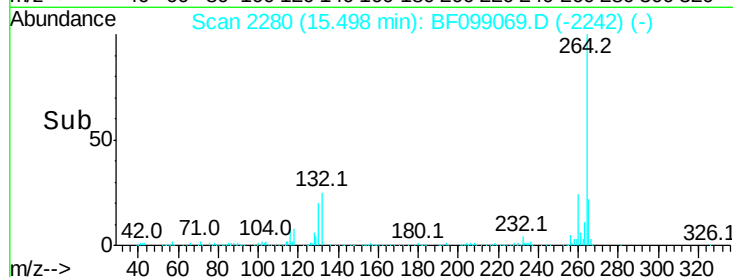
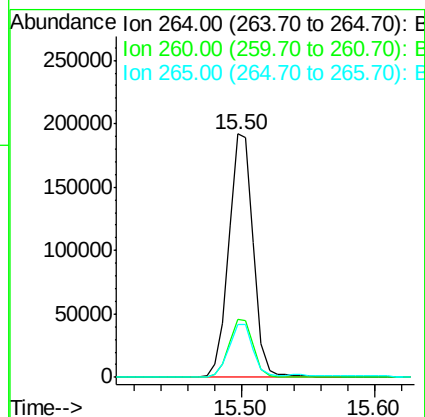
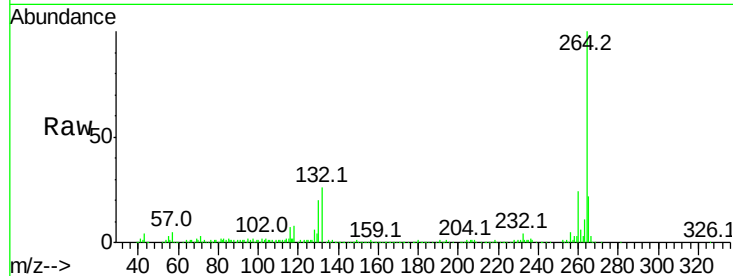
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.08 min
Lab File: BF099069.D
Acq: 4 Oct 2017 16:19

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.8	17.5	26.3

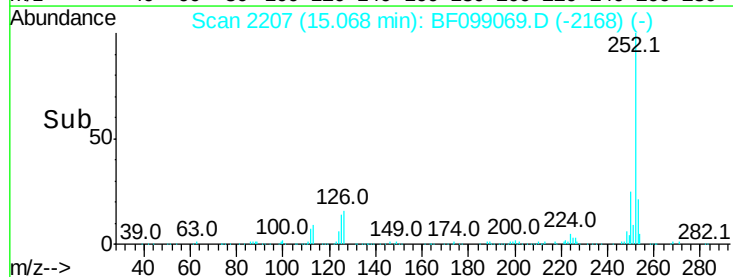
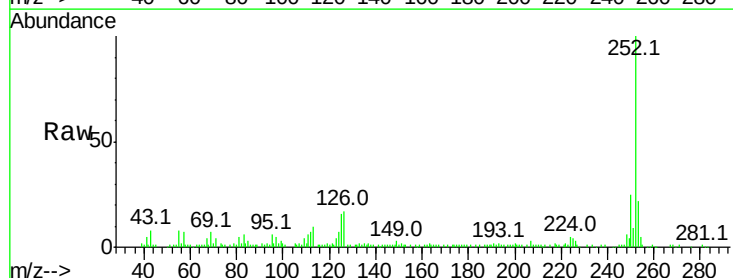
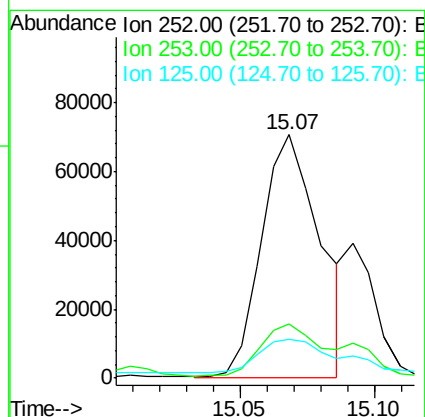
Manual Integrations
APPROVED

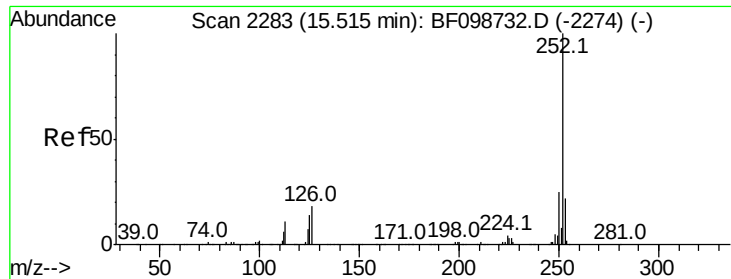
Sohil
10/5/2017 6:15:32 PM



#87
Benzo(b)fluoranthene
Concen: 6.946 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.07 min
Lab File: BF099069.D
Acq: 4 Oct 2017 16:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	15.7	9.0	13.6#





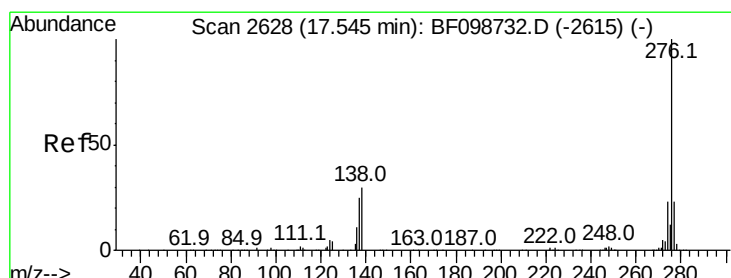
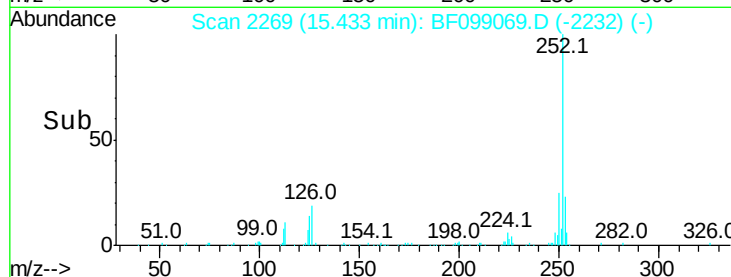
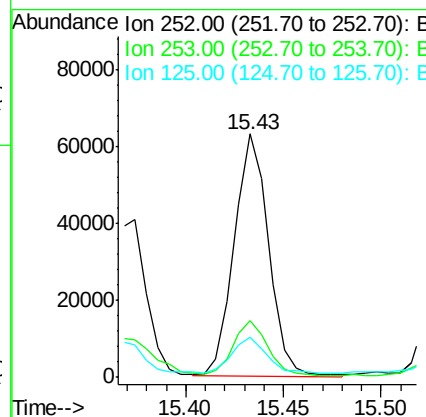
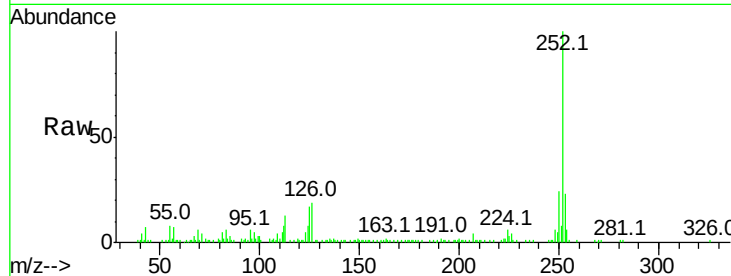
#89
Benzo(a)pyrene
Concen: 5.508 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.08 min
Lab File: BF099069.D
Acq: 4 Oct 2017 16:19

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	16.5	9.8	14.6

Manual Integrations
APPROVED

Sohil
10/5/2017 6:15:32 PM



#91
Benzo(g,h,i)perylene
Concen: 4.061 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.13 min
Lab File: BF099069.D
Acq: 4 Oct 2017 16:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	34.6	21.8	32.8

