

Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
 Data File : BE094663.D
 Acq On : 31 Oct 2017 18:15
 Operator : SJ/JU
 Sample : I5786-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-38(1-3)_100917

Manual Integrations
 APPROVED

Sohil
 11/1/2017 9:31:58 AM

Quant Time: Nov 01 02:50:36 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 01:43:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	2456	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	8074	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4336	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8533m	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	7828	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	10186m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	6188	0.47	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	12981	0.51	ng/ul	0.00
Target Compounds				Ovalue		
5) 2-Methylnaphthalene	12.34	142	8728	0.632	ng/ul	100
8) Acenaphthene	14.57	153	10717	0.760	ng/ul	97
9) Fluorene	15.56	166	7615	0.481	ng/ul	92
12) Phenanthrene	17.29	178	18544	0.823	ng/ul#	93
13) Anthracene	17.38	178	3988	0.179	ng/ul#	95
15) Fluoranthene	19.31	202	13257	0.509	ng/ul	84
17) Pyrene	19.67	202	13930	0.576	ng/ul#	84
18) Benzo(a)anthracene	21.41	228	4262	0.190	ng/ul#	88
19) Chrysene	21.46	228	4562	0.197	ng/ul#	87
21) Benzo(b)fluoranthene	23.18	252	4360m	0.152	ng/ul	
22) Benzo(k)fluoranthene	23.23	252	1219m	0.040	ng/ul	
23) Benzo(a)pyrene	23.84	252	2545m	0.089	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.68	276	1394m	0.047	ng/ul	
26) Benzo(g,h,i)perylene	27.52	276	1073m	0.045	ng/ul	

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

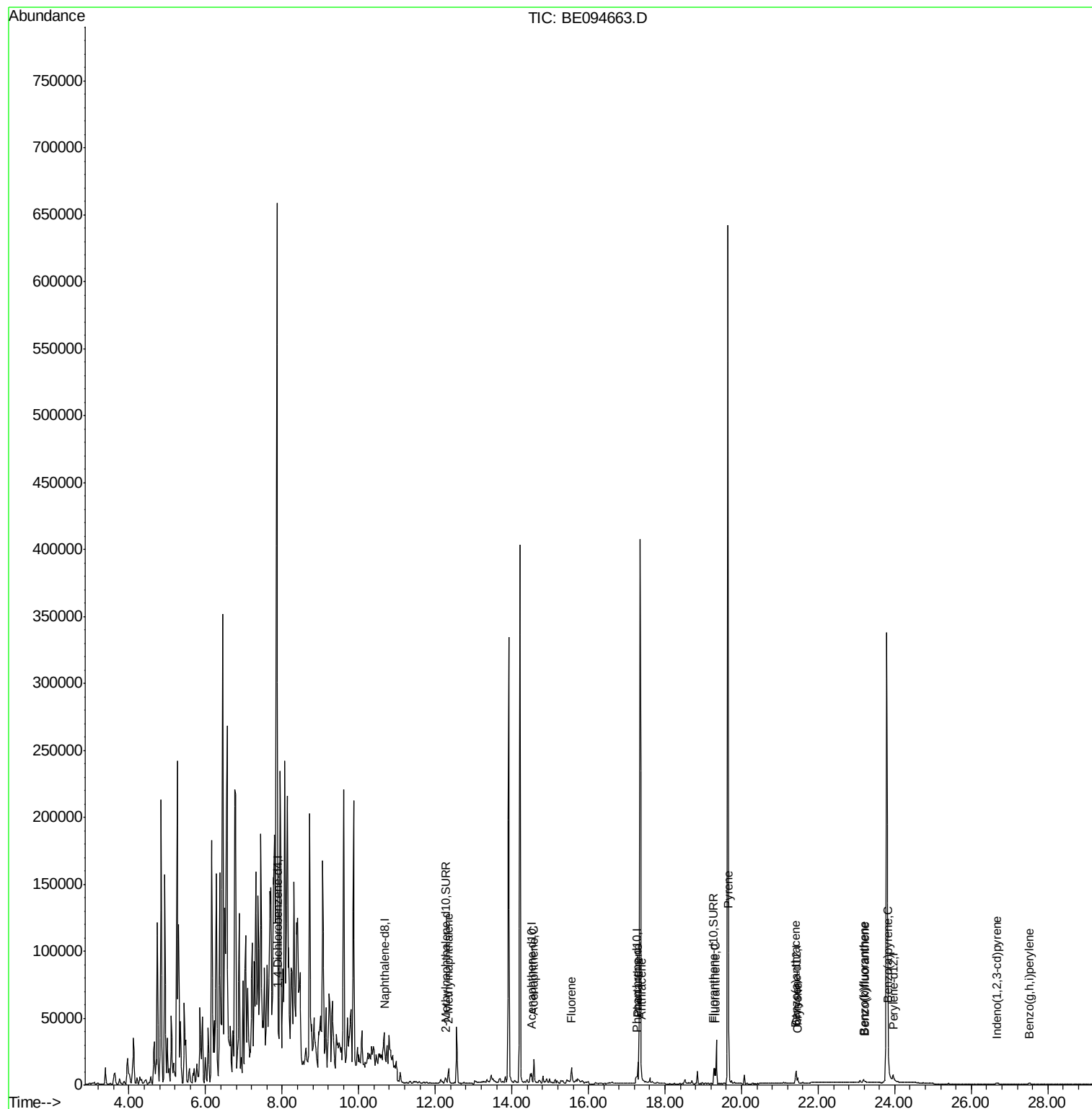
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094663.D
Acq On : 31 Oct 2017 18:15
Operator : SJ/JU
Sample : I5786-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

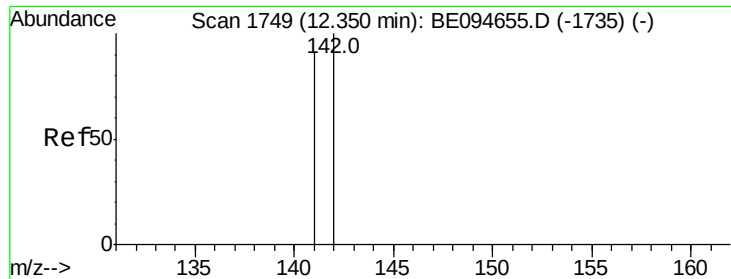
Instrument :
BNA_E
ClientSampleId :
B-38(1-3)_100917

Manual Integrations
APPROVED

Sohil
11/1/2017 9:31:58 AM

Quant Time: Nov 01 02:50:36 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 01:43:26 2017
Response via : Initial Calibration





#5

2-Methylnaphthalene

Concen: 0.632 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BE094663.D

Acq: 31 Oct 2017 18:15

Instrument :

BNA_E

ClientSampleId :

B-38(1-3)_100917

Tot Ion:142 Resp: 8728

Ion Ratio Lower Upper

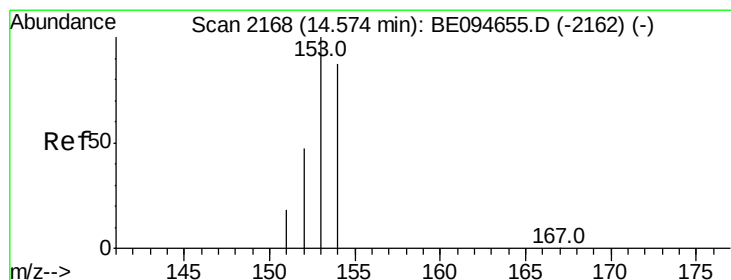
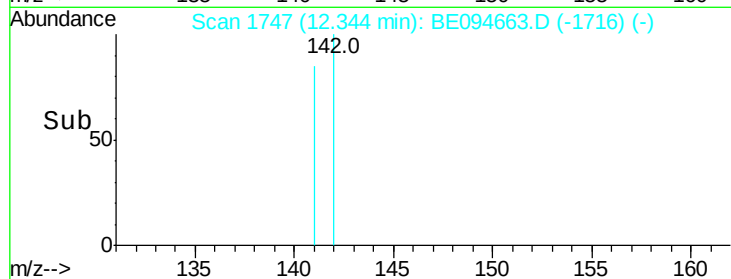
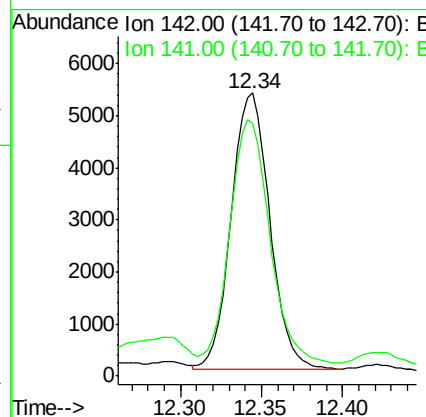
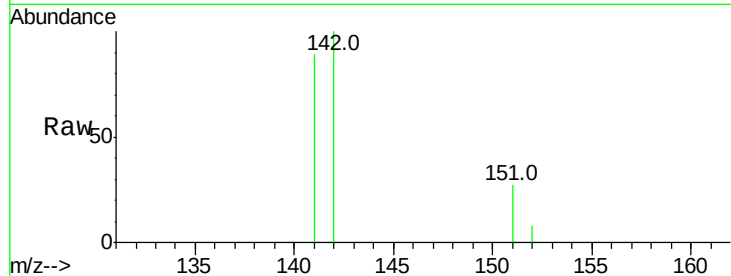
142 100

141 90.8 72.6 108.8

Manual Integrations
APPROVED

Sohil

11/1/2017 9:31:58 AM



#8

Acenaphthene

Concen: 0.760 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. 0.00 min

Lab File: BE094663.D

Acq: 31 Oct 2017 18:15

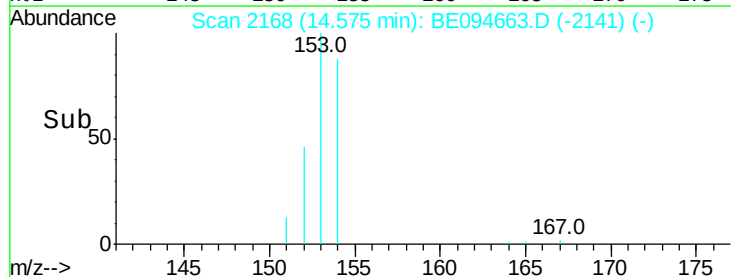
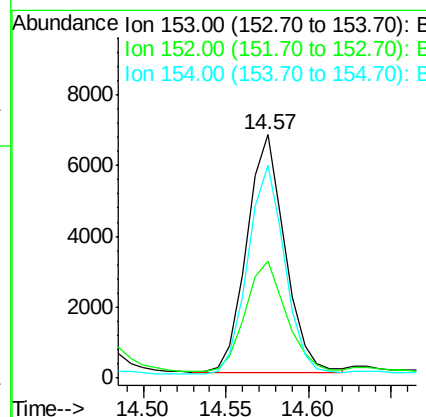
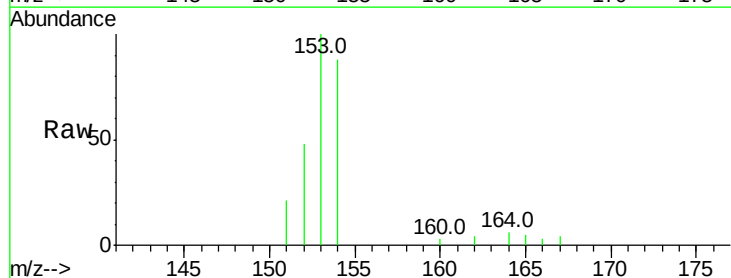
Tgt Ion:153 Resp: 10717

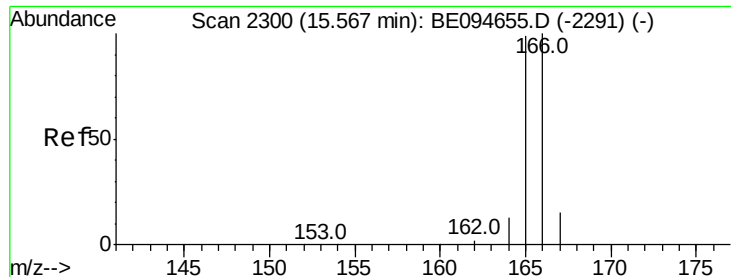
Ion Ratio Lower Upper

153 100

152 47.9 36.0 54.0

154 87.7 72.0 108.0





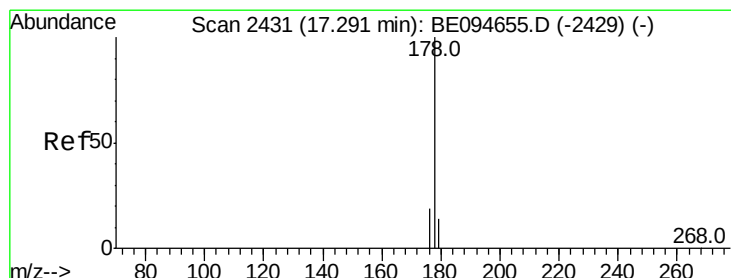
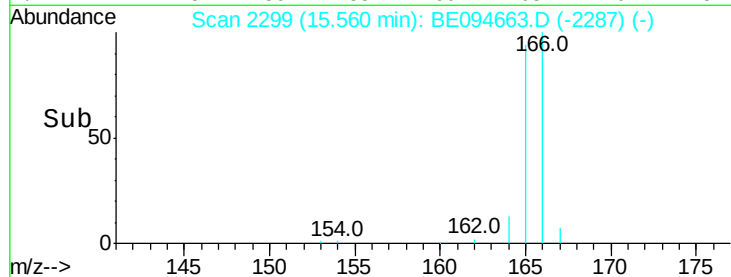
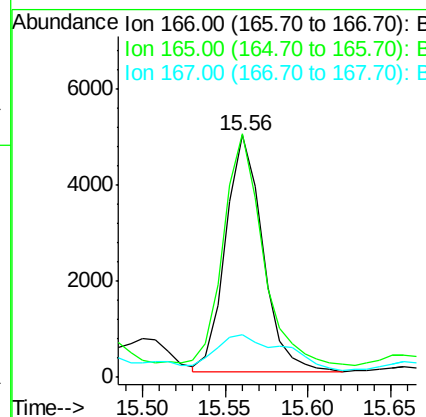
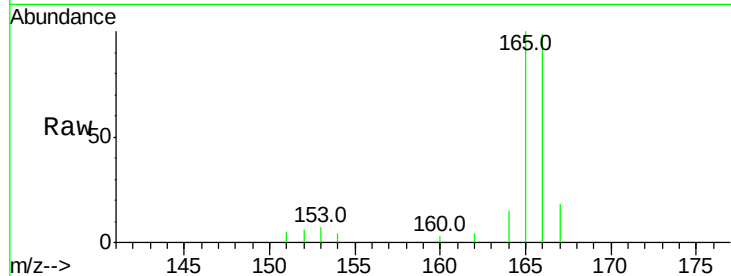
#9
Fluorene
 Concen: 0.481 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.01 min
 Lab File: BE094663.D
 Acq: 31 Oct 2017 18:15

Instrument :
 BNA_E
 ClientSampleId :
 B-38(1-3)_100917

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.7	73.4	110.2
167	17.7	14.6	22.0

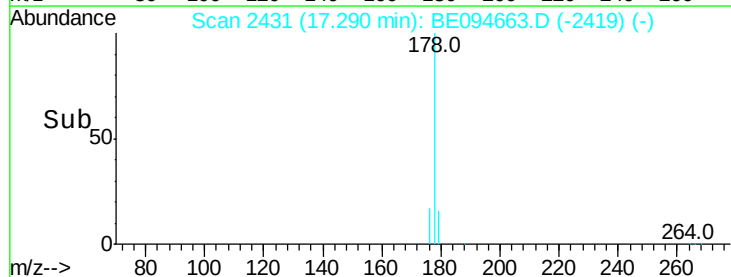
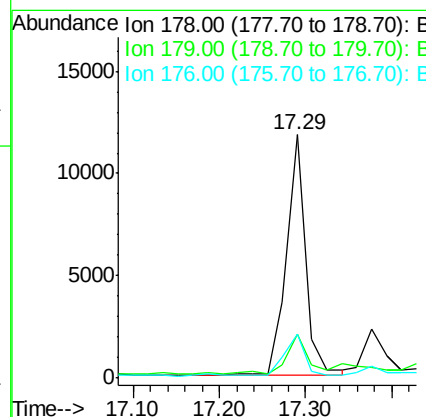
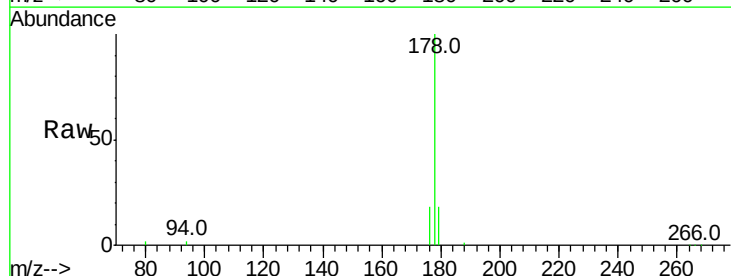
Manual Integrations
 APPROVED

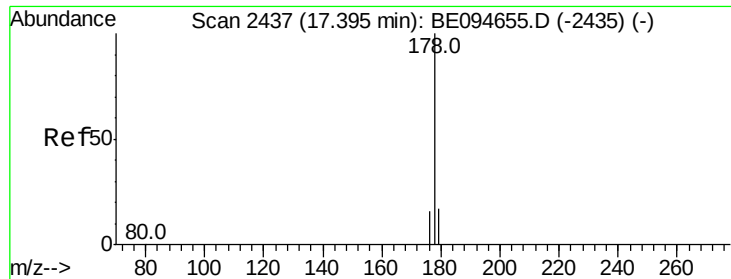
Sohil
 11/1/2017 9:31:58 AM



#12
Phenanthrene
 Concen: 0.823 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.00 min
 Lab File: BE094663.D
 Acq: 31 Oct 2017 18:15

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.1	18.4	27.6#
176	17.9	13.6	20.4





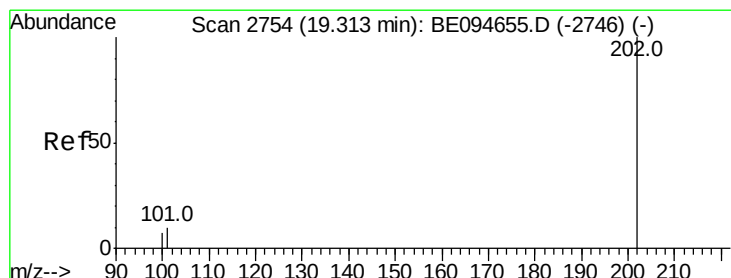
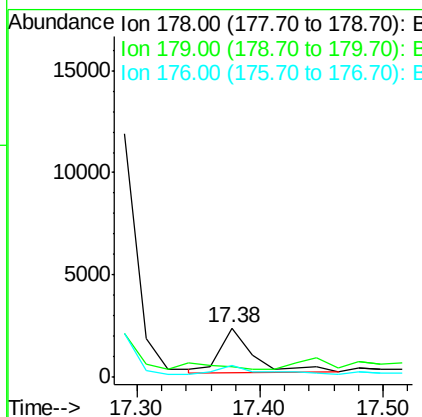
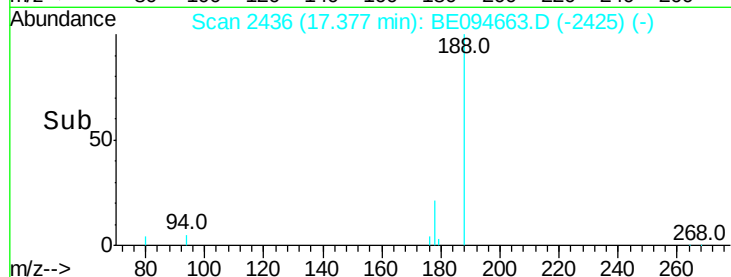
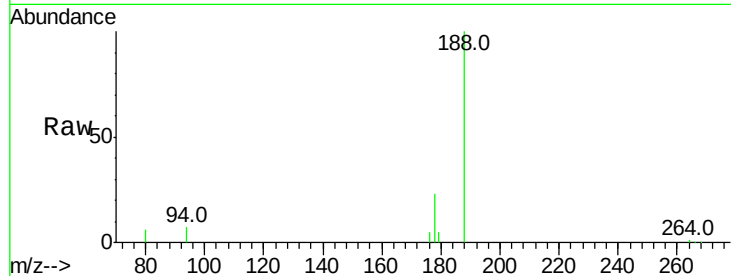
#13
 Anthracene
 Concen: 0.179 ng/ul
 RT: 17.38 min Scan# 2436
 Delta R.T. -0.02 min
 Lab File: BE094663.D
 Acq: 31 Oct 2017 18:15

Instrument :
 BNA_E
 ClientSampleId :
 B-38(1-3)_100917

Tot Ion	Ratio	Lower	Upper
178	100		
179	22.8	18.1	27.1
176	23.3	14.7	22.1

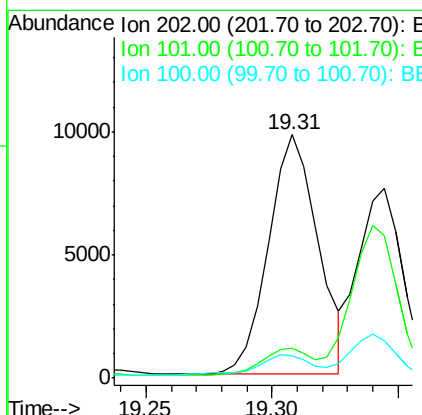
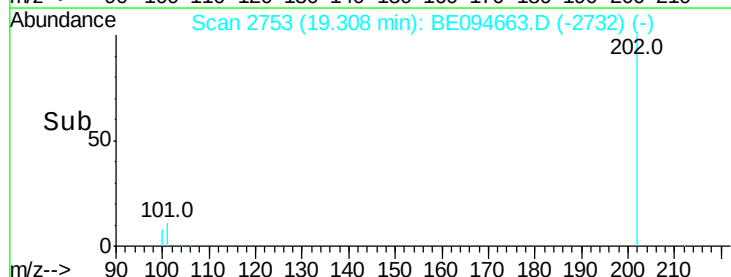
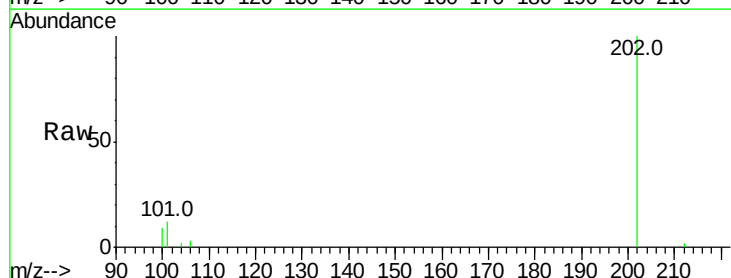
Manual Integrations
 APPROVED

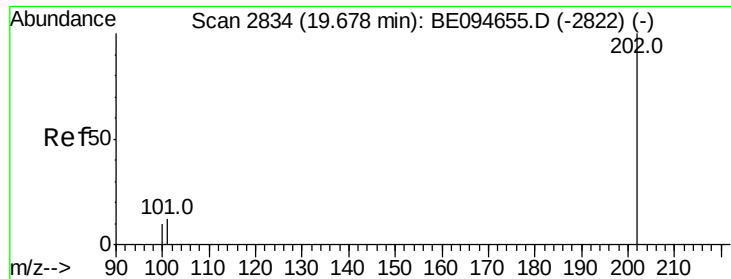
Sohil
 11/1/2017 9:31:58 AM



#15
 Fluoranthene
 Concen: 0.509 ng/ul
 RT: 19.31 min Scan# 2753
 Delta R.T. -0.01 min
 Lab File: BE094663.D
 Acq: 31 Oct 2017 18:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	30.3
100	9.3	0.0	39.5





#17

Pvrene

Concen: 0.576 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BE094663.D

Acq: 31 Oct 2017 18:15

Instrument :

BNA_E

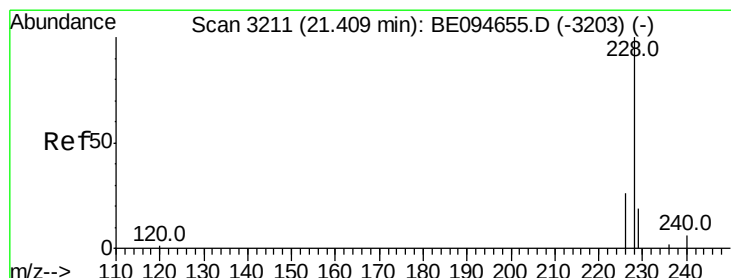
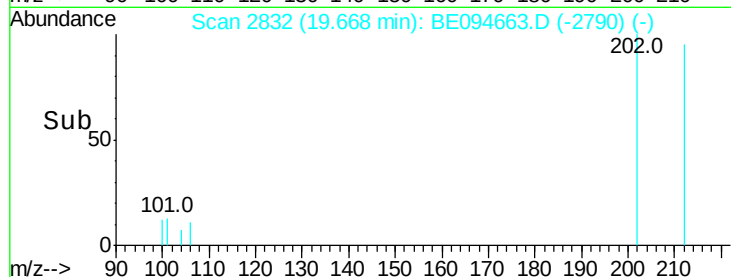
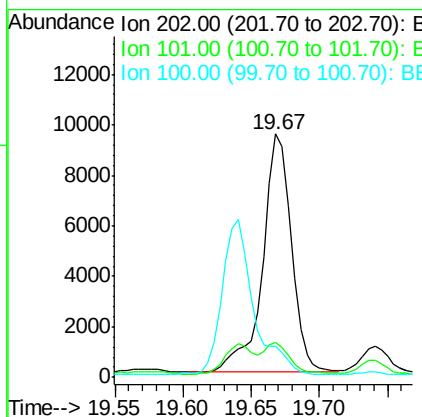
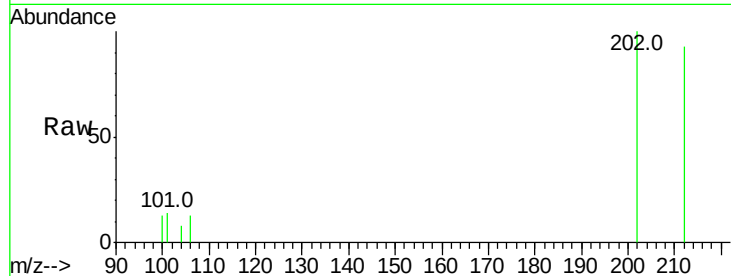
ClientSampleId :

B-38(1-3)_100917

Tot Ion:	202	Resp:	13930
Ion Ratio	Lower	Upper	
202	100		
101	14.4	18.2	27.4#
100	12.6	15.6	23.4#

Manual Integrations
APPROVED

Sohil
11/1/2017 9:31:58 AM



#18

Benzo(a)anthracene

Concen: 0.190 ng/ul

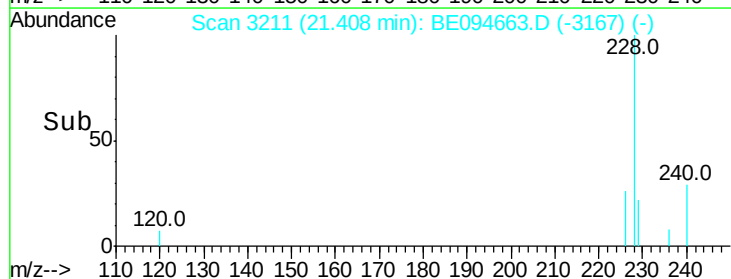
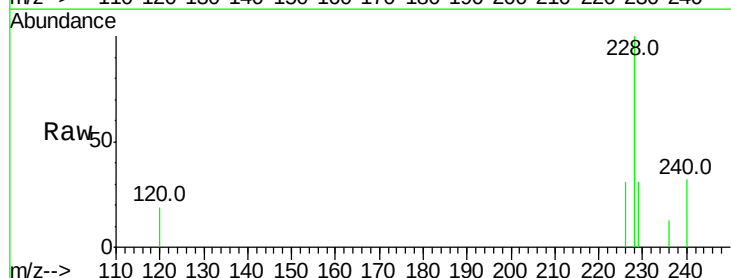
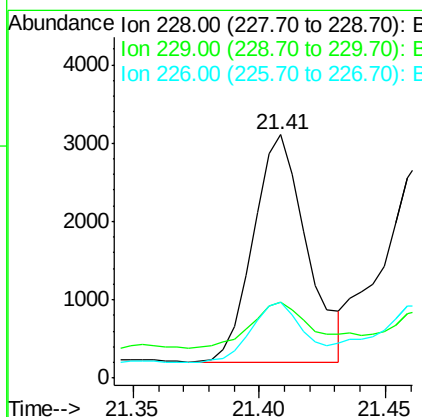
RT: 21.41 min Scan# 3211

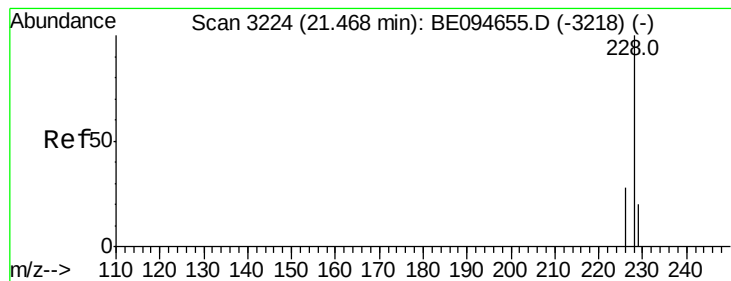
Delta R.T. -0.00 min

Lab File: BE094663.D

Acq: 31 Oct 2017 18:15

Tgt Ion:	228	Resp:	4262
Ion Ratio	Lower	Upper	
228	100		
229	31.2	22.8	34.2
226	31.2	17.0	25.6#





#19

Chrysene

Concen: 0.197 ng/ul

RT: 21.46 min Scan# 3223

Delta R.T. -0.01 min

Lab File: BE094663.D

Acq: 31 Oct 2017 18:15

Instrument :

BNA_E

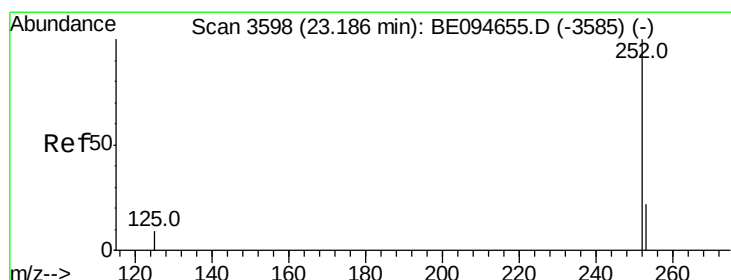
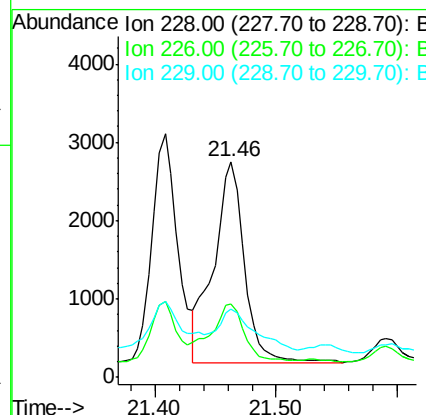
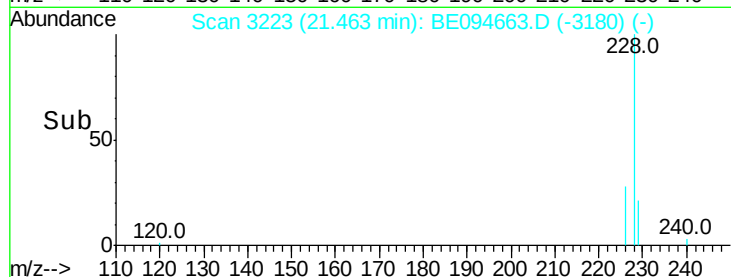
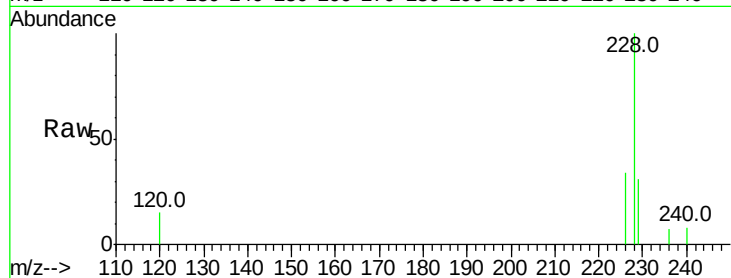
ClientSampleId :

B-38(1-3)_100917

Tot Ion:	228	Resp:	4562
Ion Ratio	Lower	Upper	
228	100		
226	33.9	23.4	35.0
229	31.5	17.7	26.5#

Manual Integrations
APPROVED

Sohil
11/1/2017 9:31:58 AM



#21

Benzo(b)fluoranthene

Concen: 0.152 ng/ul m

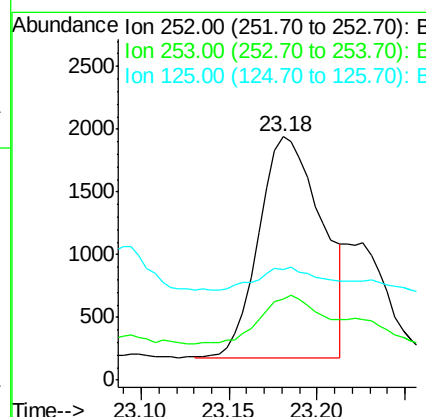
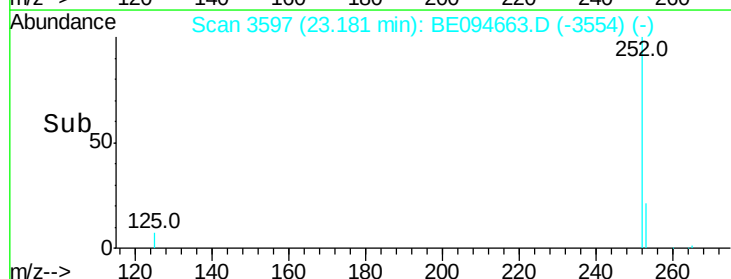
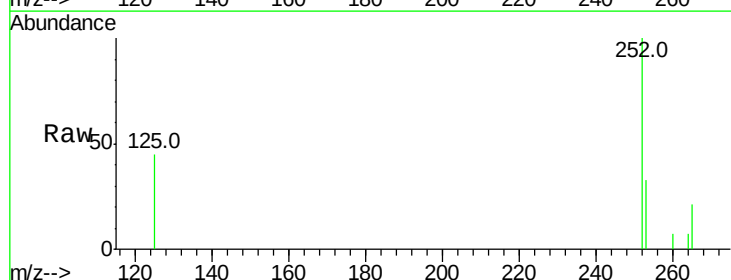
RT: 23.18 min Scan# 3597

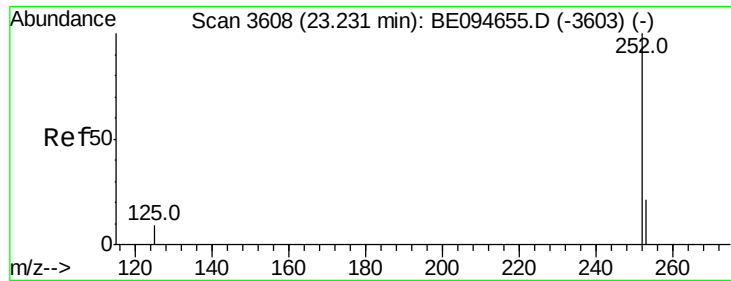
Delta R.T. -0.01 min

Lab File: BE094663.D

Acq: 31 Oct 2017 18:15

Tgt Ion:	252	Resp:	4360
Ion Ratio	Lower	Upper	
252	100		
253	33.4	0.0	64.2
125	45.4	0.0	35.0#





#22

Benzo(k)fluoranthene

Concen: 0.040 ng/ul m

RT: 23.23 min Scan# 3607

Delta R.T. -0.01 min

Lab File: BE094663.D

Acq: 31 Oct 2017 18:15

Instrument :

BNA_E

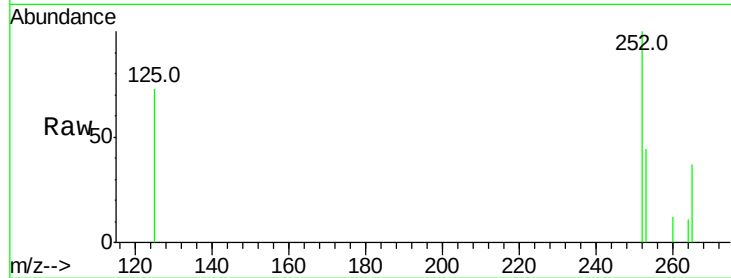
ClientSampleId :

B-38(1-3)_100917

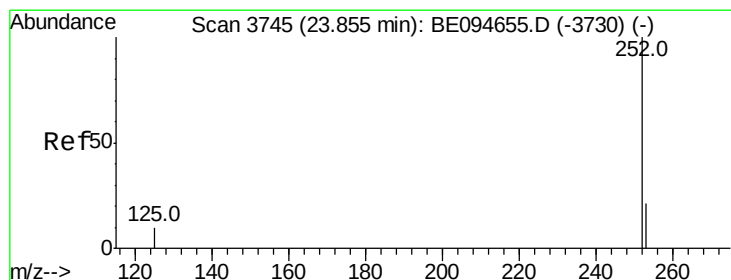
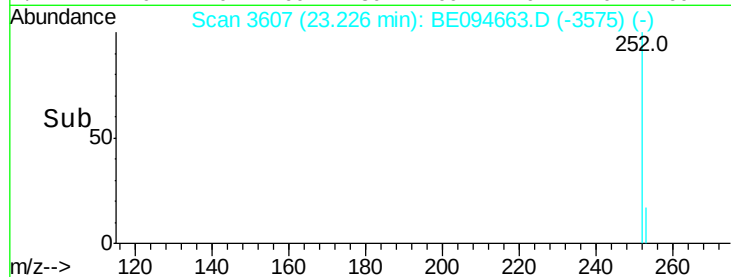
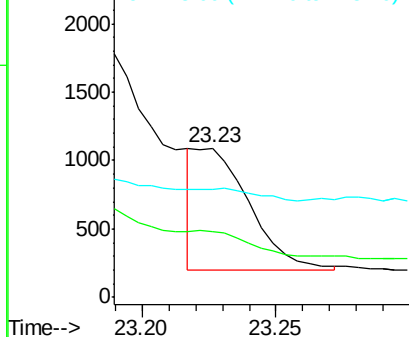
Tot Ion:	252	Resp:	1219
Ion Ratio	Lower	Upper	
252	100		
253	44.3	24.5	36.7#
125	72.6	13.7	20.5#

Manual Integrations
APPROVED

Sohil
11/1/2017 9:31:58 AM



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



#23

Benzo(a)pyrene

Concen: 0.089 ng/ul m

RT: 23.84 min Scan# 3742

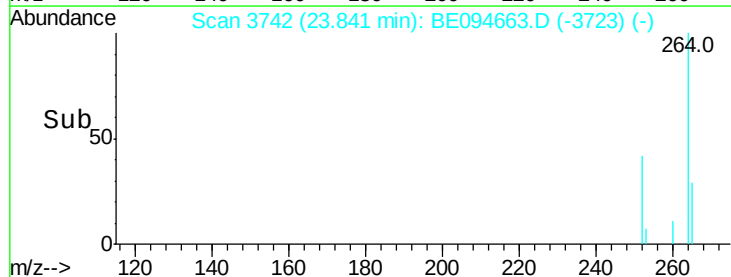
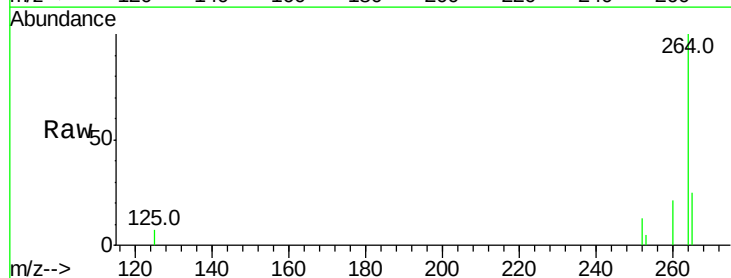
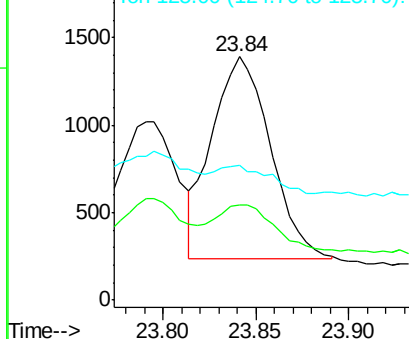
Delta R.T. -0.01 min

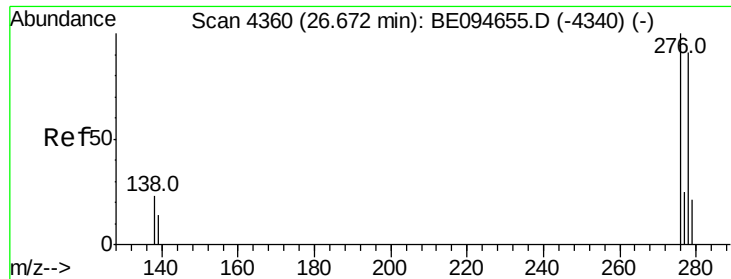
Lab File: BE094663.D

Acq: 31 Oct 2017 18:15

Tgt Ion:	252	Resp:	2545
Ion Ratio	Lower	Upper	
252	100		
253	39.0	28.5	42.7
125	55.2	18.1	27.1#

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





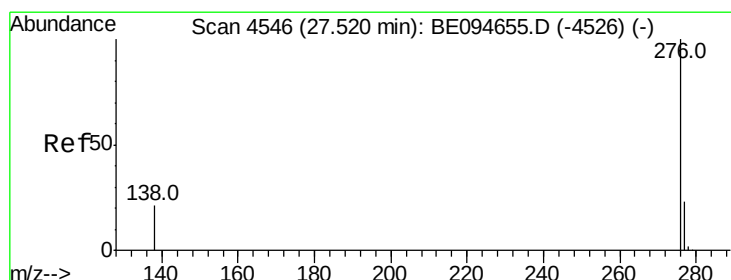
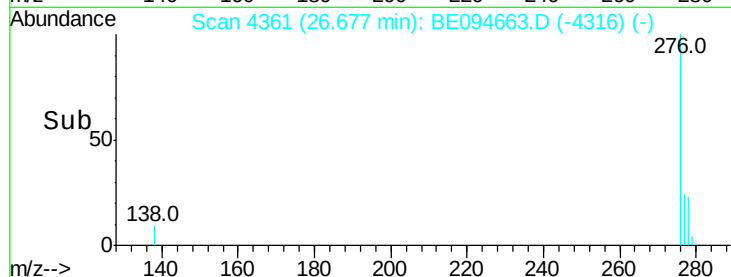
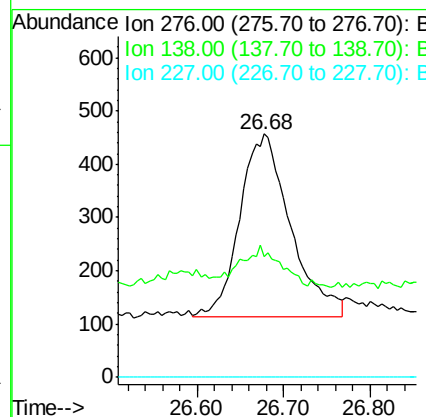
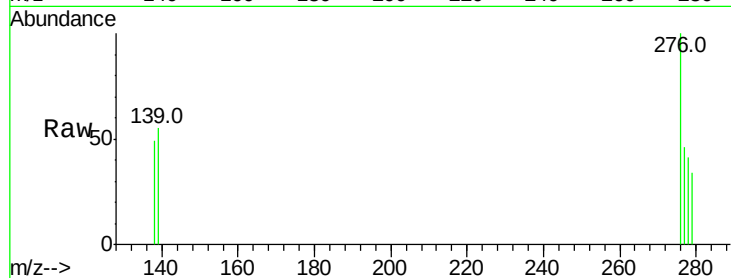
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.047 ng/ul m
 RT: 26.68 min Scan# 4361
 Delta R.T. 0.00 min
 Lab File: BE094663.D
 Acq: 31 Oct 2017 18:15

Instrument :
 BNA_E
 ClientSampleId :
 B-38(1-3)_100917

Tot Ion	Ratio	Lower	Upper
276	100		
138	7.6	28.0	42.0#
227	0.0	8.0	12.0#

Manual Integrations
 APPROVED

Sohil
 11/1/2017 9:31:58 AM



#26
 Benzo(g,h,i)perylene
 Concen: 0.045 ng/ul m
 RT: 27.52 min Scan# 4546
 Delta R.T. -0.00 min
 Lab File: BE094663.D
 Acq: 31 Oct 2017 18:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	61.9	21.8	32.8#
277	51.0	20.5	30.7#

