

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110317\
 Data File : BE094710.D
 Acq On : 3 Nov 2017 16:47
 Operator : SJ/JU
 Sample : I5825-08 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-62(5-5.5)-101117

Manual Integrations
 APPROVED

Sohil
 11/4/2017 2:15:19 PM

Quant Time: Nov 03 23:38:48 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 23:54:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	1776	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.68	136	9053	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.51	164	5286	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	10756	0.40	ng/ul	-0.03
16) Chrysene-d12	21.42	240	11129	0.40	ng/ul	-0.01
20) Perylene-d12	23.95	264	11351	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	760	0.05	ng/ul	-0.03
14) Fluoranthene-d10	19.28	212	1756	0.06	ng/ul	-0.01
Target Compounds				Qvalue		
3) Naphthalene	10.73	128	12767	0.577	ng/ul#	90
5) 2-Methylnaphthalene	12.34	142	4759	0.307	ng/ul	98
7) Acenaphthylene	14.23	152	1789	0.075	ng/ul#	64
8) Acenaphthene	14.57	153	689	0.040	ng/ul#	86
9) Fluorene	15.56	166	780	0.040	ng/ul#	82
12) Phenanthrene	17.29	178	18969	0.668	ng/ul	97
13) Anthracene	17.38	178	4219m	0.150	ng/ul	
15) Fluoranthene	19.30	202	47302	1.440	ng/ul	84
17) Pyrene	19.67	202	48546	1.411	ng/ul#	79
18) Benzo(a)anthracene	21.40	228	23885	0.751	ng/ul#	92
19) Chrysene	21.46	228	24544	0.746	ng/ul#	88
21) Benzo(b)fluoranthene	23.18	252	29396m	0.921	ng/ul	
22) Benzo(k)fluoranthene	23.22	252	10193m	0.298	ng/ul	
23) Benzo(a)pyrene	23.84	252	17900	0.561	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	26.66	276	12131	0.367	ng/ul#	73
25) Dibenzo(a,h)anthracene	26.64	278	2834	0.102	ng/ul#	42
26) Benzo(g,h,i)perylene	27.49	276	15671	0.591	ng/ul	91

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

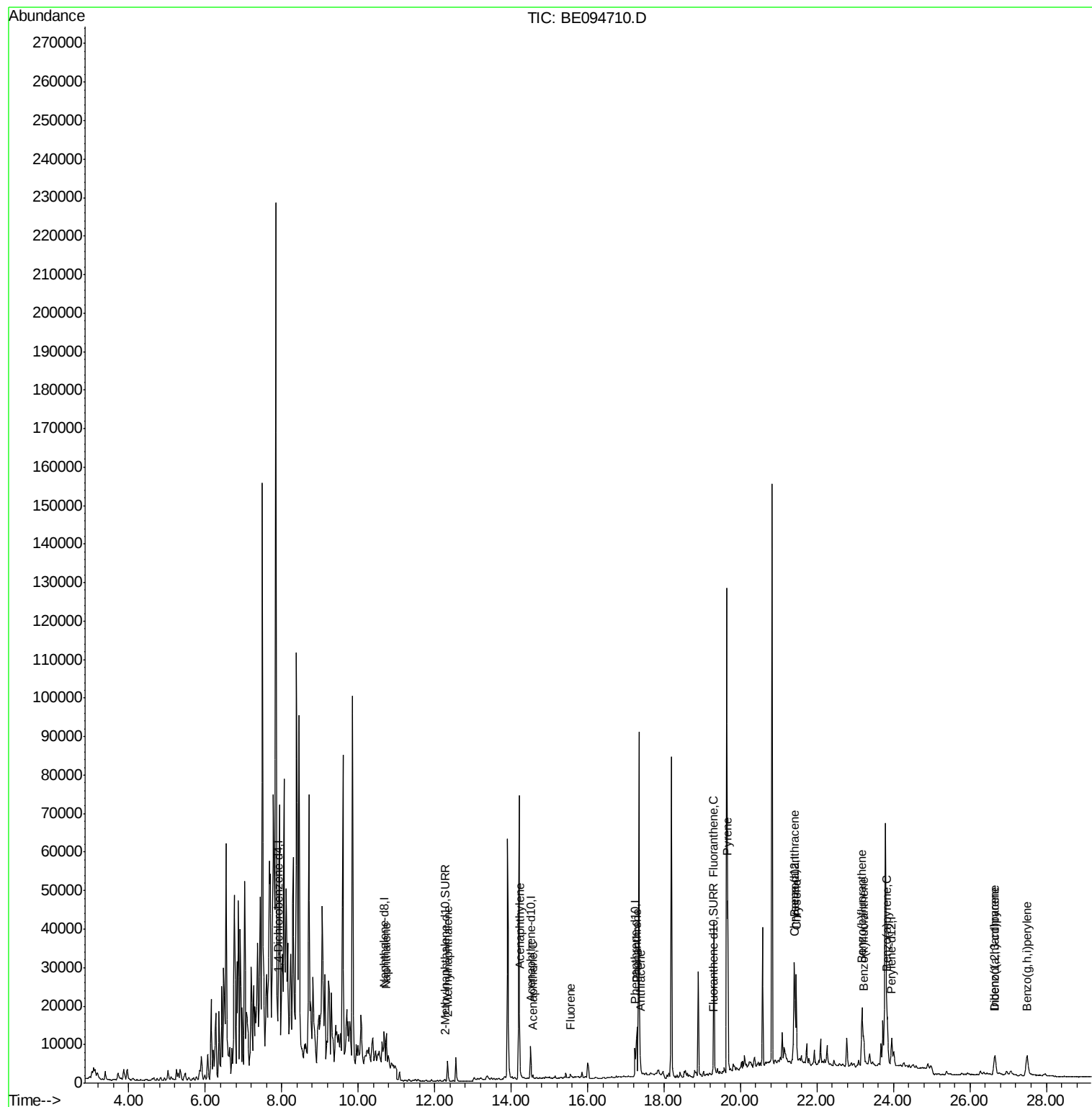
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110317\
Data File : BE094710.D
Acq On : 3 Nov 2017 16:47
Operator : SJ/JU
Sample : I5825-08 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

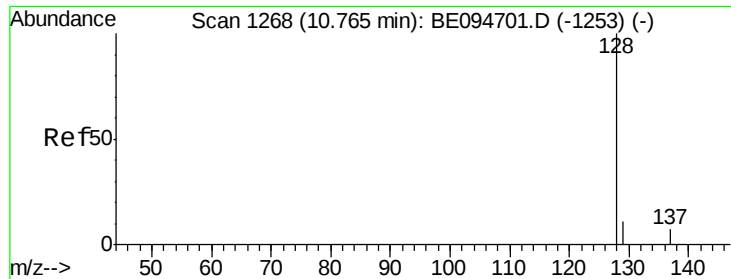
Instrument :
BNA_E
ClientSampleId :
B-62(5-5.5)-101117

Manual Integrations
APPROVED

Sohil
11/4/2017 2:15:19 PM

Quant Time: Nov 03 23:38:48 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 03 23:54:30 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.577 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

Instrument :

BNA_E

ClientSampleId :

B-62(5-5.5)-101117

Tgt Ion:128 Resp: 12767

Ion Ratio Lower Upper

128 100

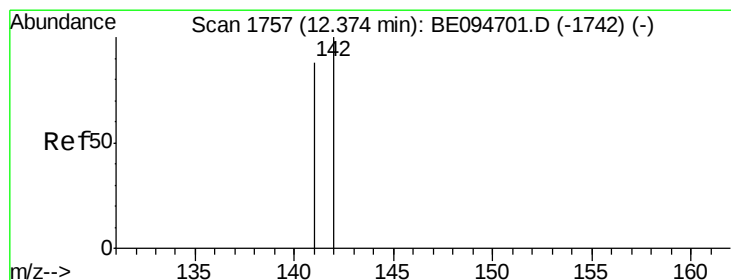
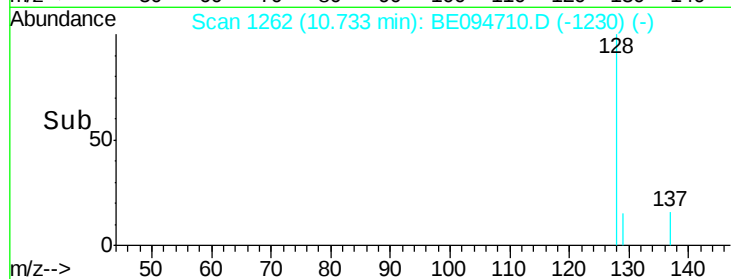
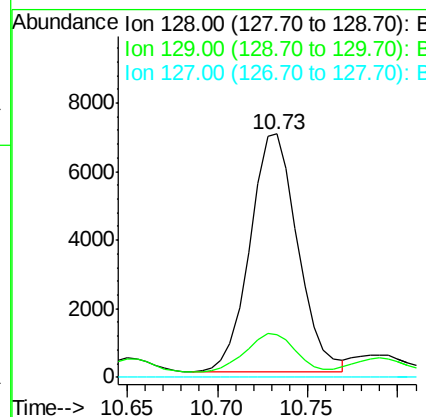
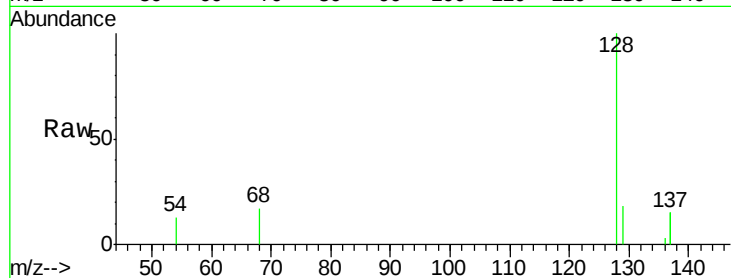
129 17.5 11.3 16.9#

127 0.0 4.0 6.0#

Manual Integrations
APPROVED

Sohil

11/4/2017 2:15:19 PM



#5

2-Methylnaphthalene

Concen: 0.307 ng/ul

RT: 12.34 min Scan# 1745

Delta R.T. -0.04 min

Lab File: BE094710.D

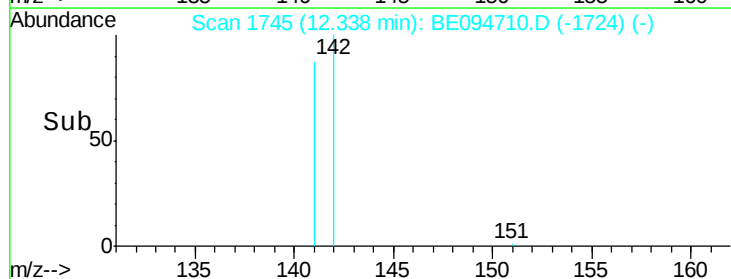
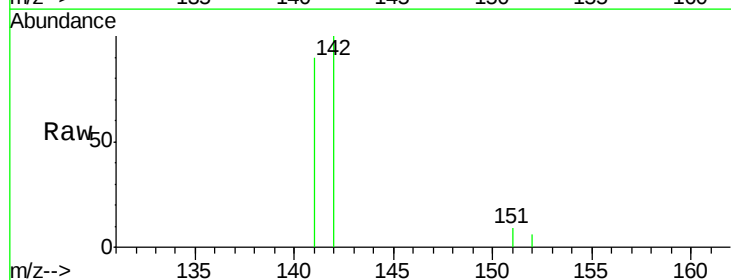
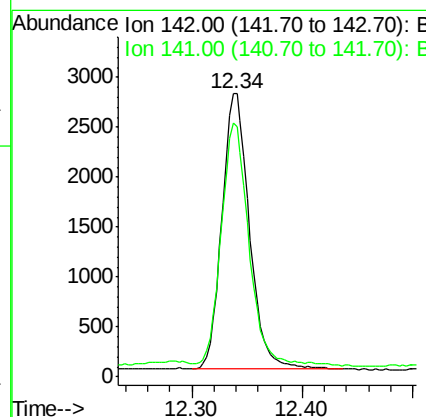
Acq: 3 Nov 2017 16:47

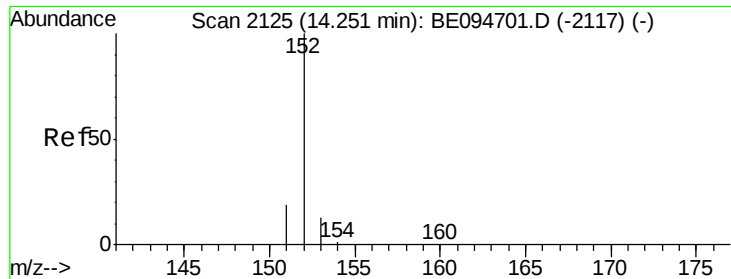
Tgt Ion:142 Resp: 4759

Ion Ratio Lower Upper

142 100

141 88.9 72.6 108.8





#7

Acenaphthylene

Concen: 0.075 ng/ul

RT: 14.23 min Scan# 2122

Delta R.T. -0.02 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

Instrument :

BNA_E

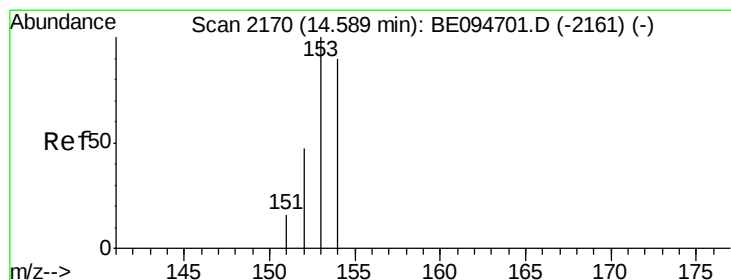
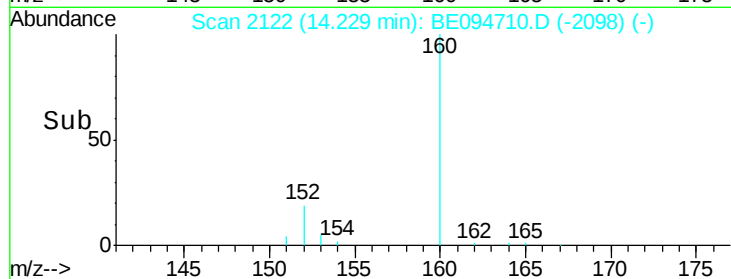
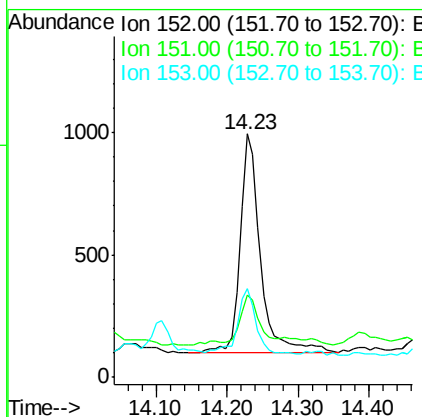
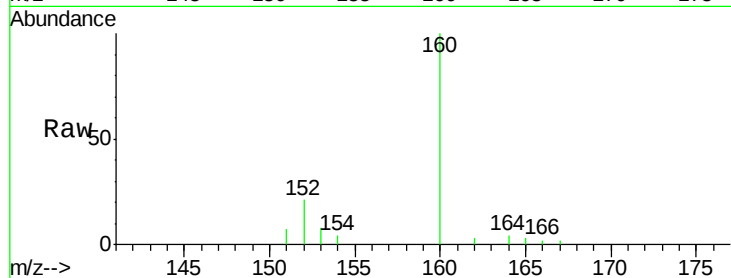
ClientSampleId :

B-62(5-5.5)-101117

Tgt Ion:	152	Resp:	1789
Ion Ratio	Lower	Upper	
152	100		
151	33.7	17.1	25.7#
153	36.6	12.8	19.2#

Manual Integrations
APPROVED

Sohil
11/4/2017 2:15:19 PM



#8

Acenaphthene

Concen: 0.040 ng/ul

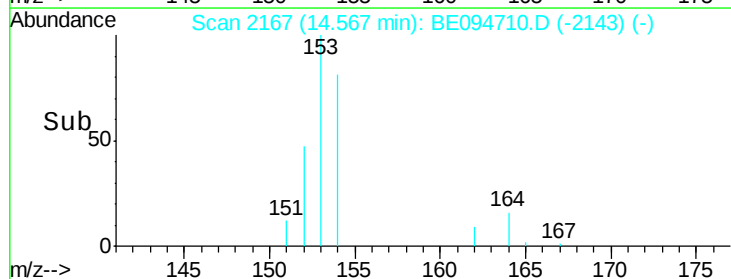
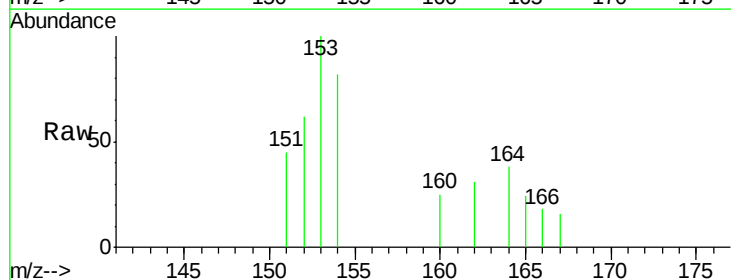
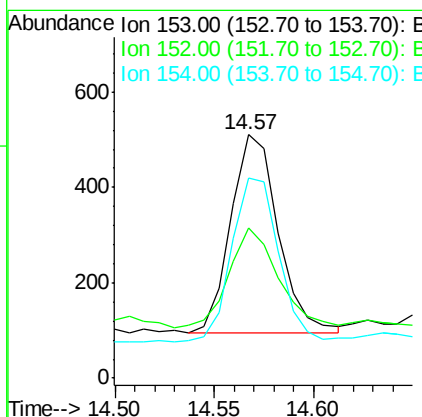
RT: 14.57 min Scan# 2167

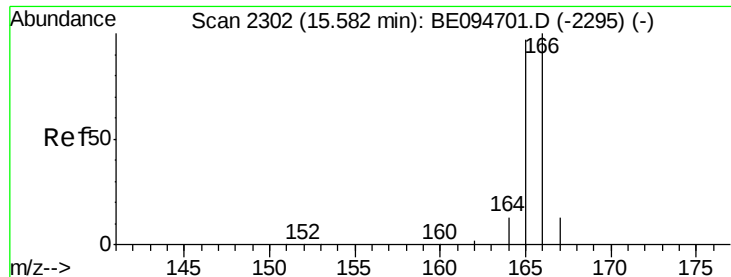
Delta R.T. -0.02 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

Tgt Ion:	153	Resp:	689
Ion Ratio	Lower	Upper	
153	100		
152	61.8	36.0	54.0#
154	82.4	72.0	108.0





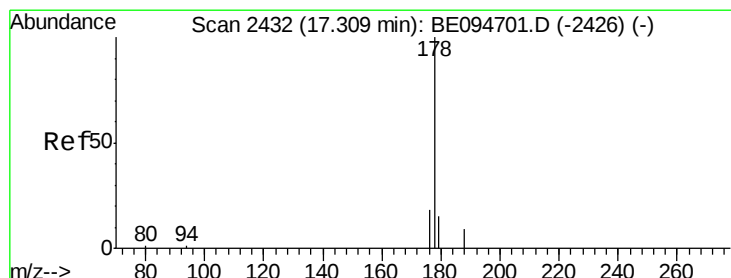
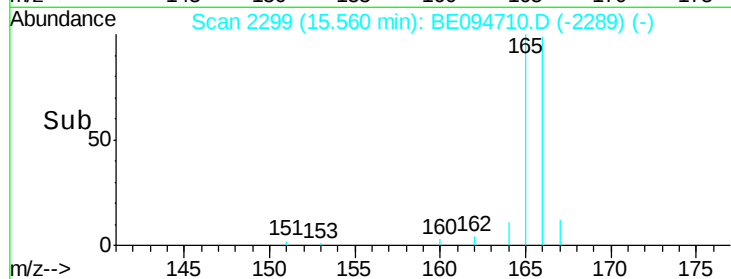
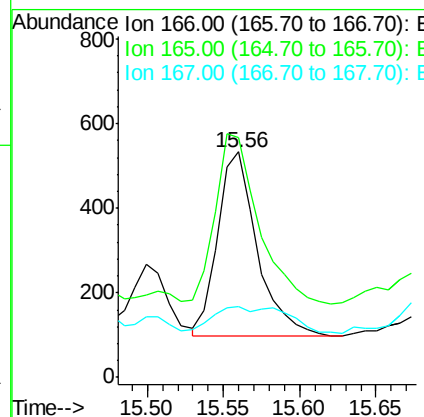
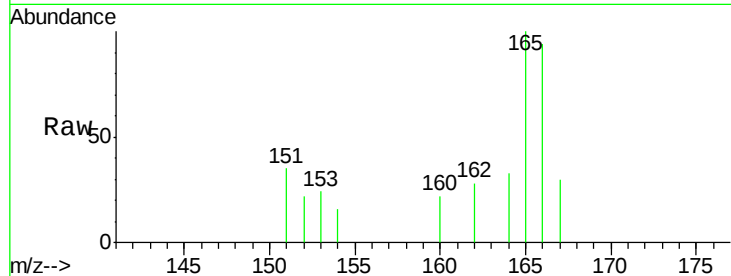
#9
Fluorene
 Concen: 0.040 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094710.D
 Acq: 3 Nov 2017 16:47

Instrument :
 BNA_E
 ClientSampleId :
 B-62(5-5.5)-101117

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.4	73.4	110.2
167	31.7	14.6	22.0

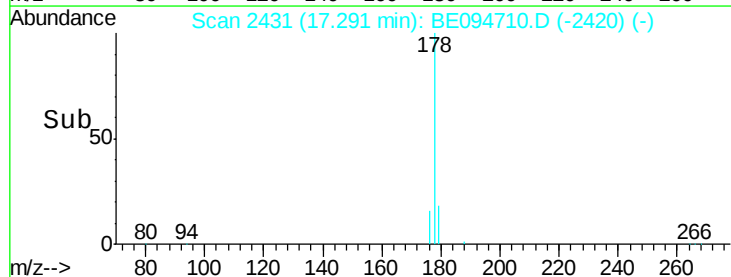
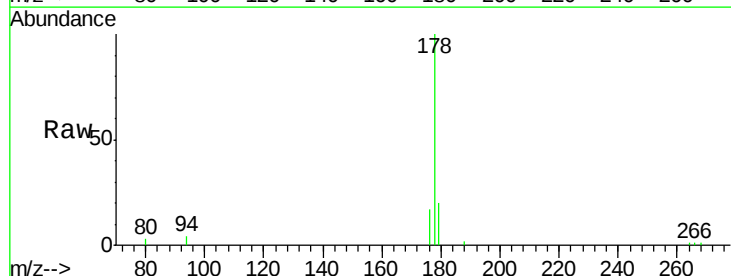
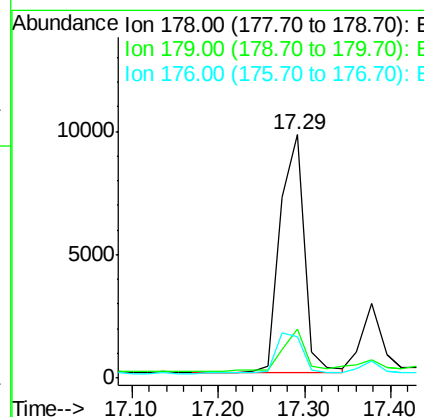
Manual Integrations
 APPROVED

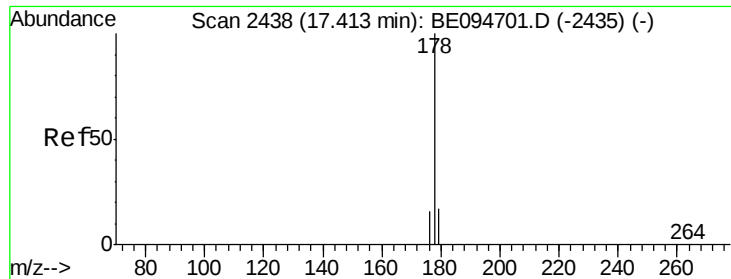
Sohil
 11/4/2017 2:15:19 PM



#12
Phenanthrene
 Concen: 0.668 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094710.D
 Acq: 3 Nov 2017 16:47

Tgt Ion	Ratio	Lower	Upper
178	100		
179	20.3	18.4	27.6
176	17.2	13.6	20.4





#13

Anthracene

Concen: 0.150 ng/ul m

RT: 17.38 min Scan# 2436

Delta R.T. -0.03 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

Instrument :

BNA_E

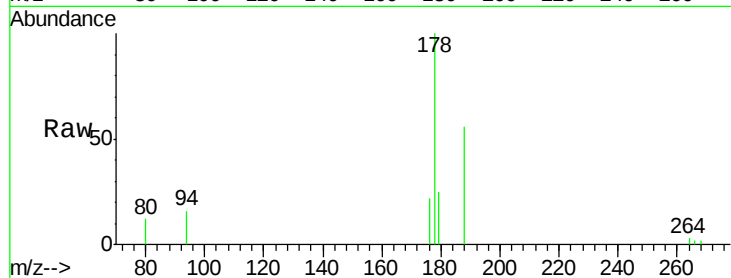
ClientSampleId :

B-62(5-5.5)-101117

Tgt Ion	Ratio	Lower	Upper
178	100		
179	24.6	18.1	27.1
176	22.4	14.7	22.1

Manual Integrations
APPROVED

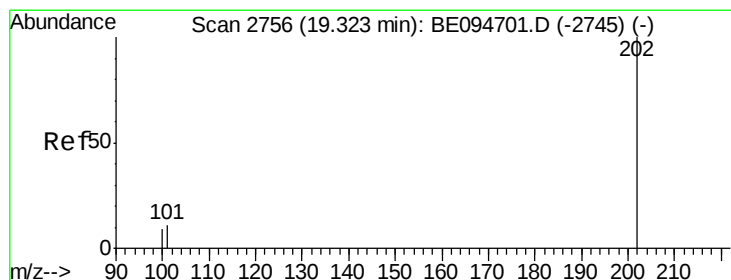
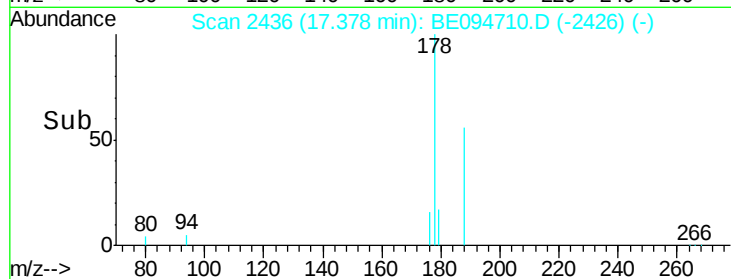
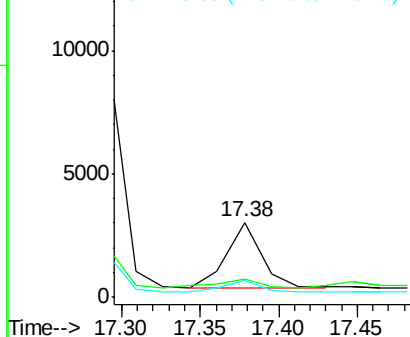
Sohil
11/4/2017 2:15:19 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 1.440 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. -0.02 min

Lab File: BE094710.D

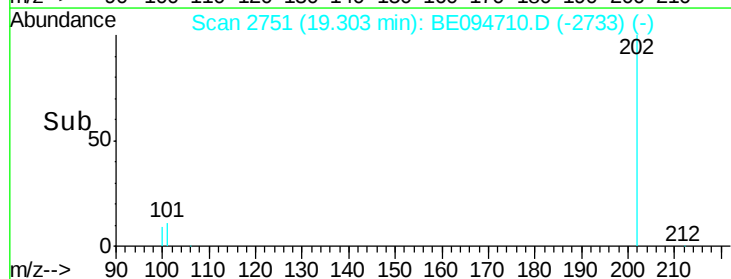
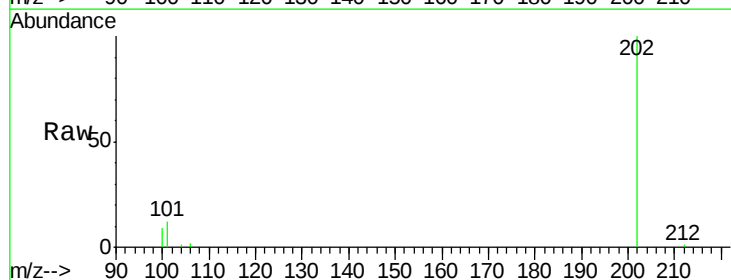
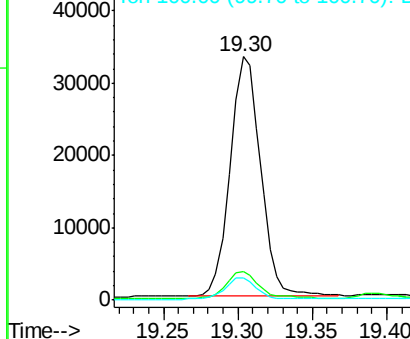
Acq: 3 Nov 2017 16:47

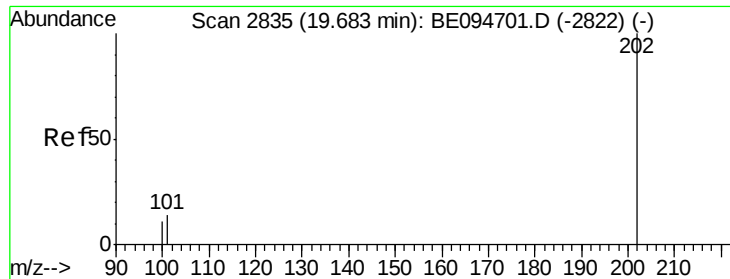
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	30.3
100	9.1	0.0	39.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#17

Pyrene

Concen: 1.411 ng/ul

RT: 19.67 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

Instrument :

BNA_E

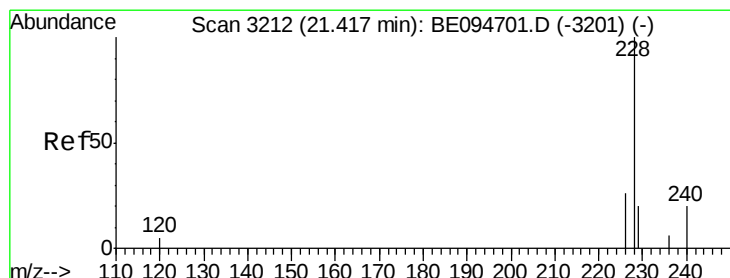
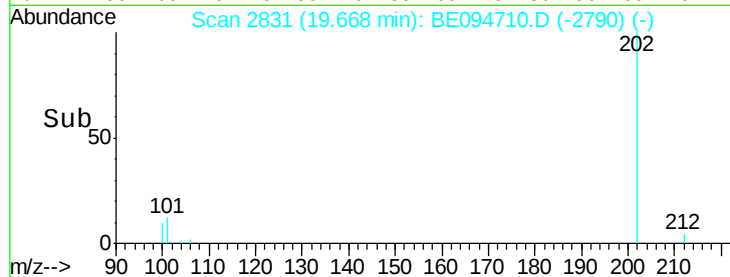
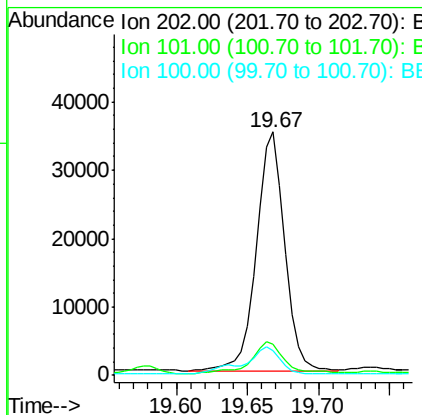
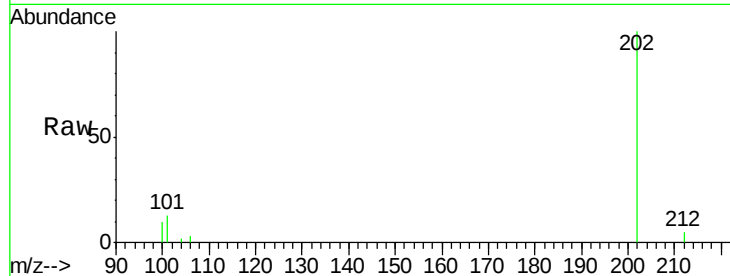
ClientSampleId :

B-62(5-5.5)-101117

Tgt Ion:	202	Resp:	48546
Ion Ratio	Lower	Upper	
202	100		
101	12.7	18.2	27.4#
100	10.2	15.6	23.4#

Manual Integrations
APPROVED

Sohil
11/4/2017 2:15:19 PM



#18

Benzo(a)anthracene

Concen: 0.751 ng/ul

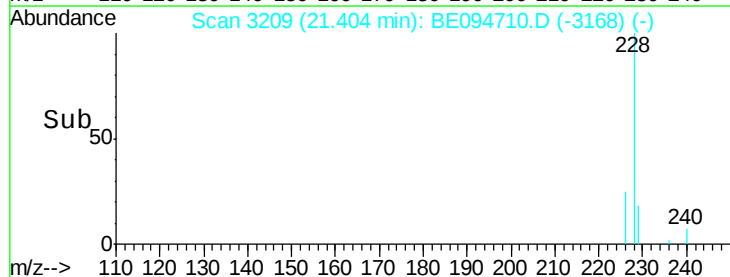
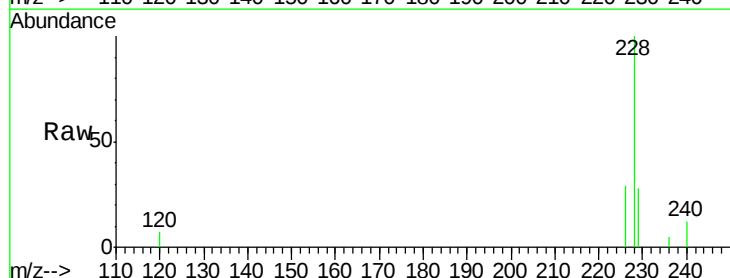
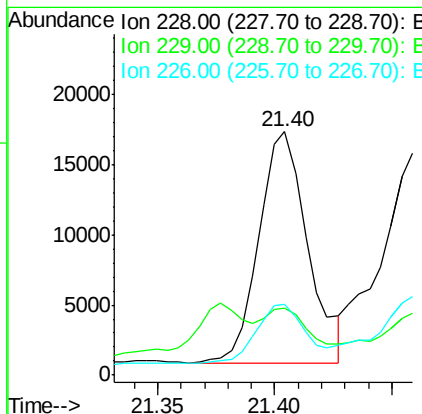
RT: 21.40 min Scan# 3209

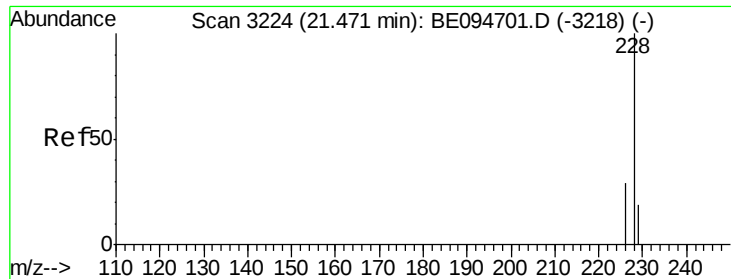
Delta R.T. -0.01 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

Tgt Ion:	228	Resp:	23885
Ion Ratio	Lower	Upper	
228	100		
229	27.6	22.8	34.2
226	28.9	17.0	25.6#





#19

Chrysene

Concen: 0.746 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

Instrument :

BNA_E

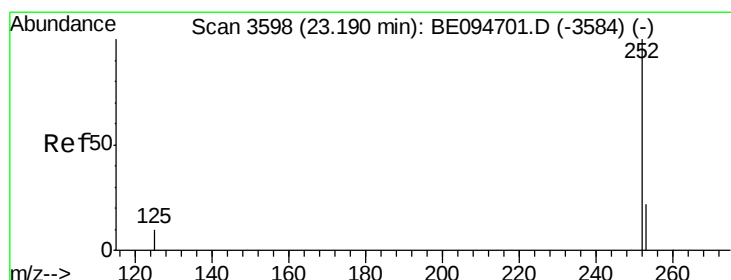
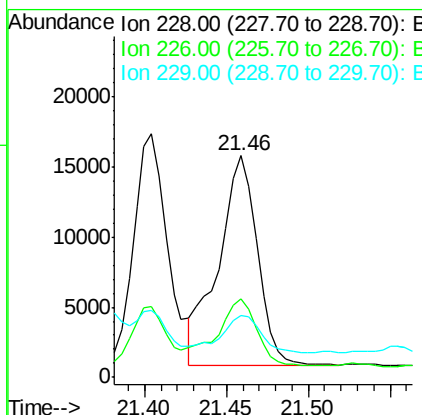
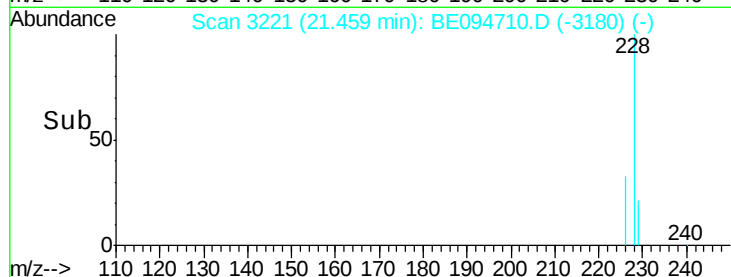
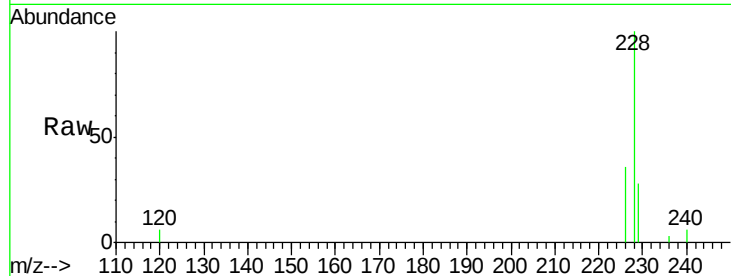
ClientSampleId :

B-62(5-5.5)-101117

Tgt Ion:	228	Resp:	24544
Ion Ratio	Lower	Upper	
228	100		
226	35.7	23.4	35.0#
229	28.2	17.7	26.5#

Manual Integrations
APPROVED

Sohil
11/4/2017 2:15:19 PM



#21

Benzo(b)fluoranthene

Concen: 0.921 ng/ul m

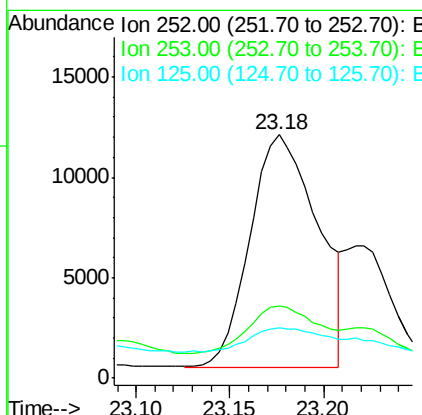
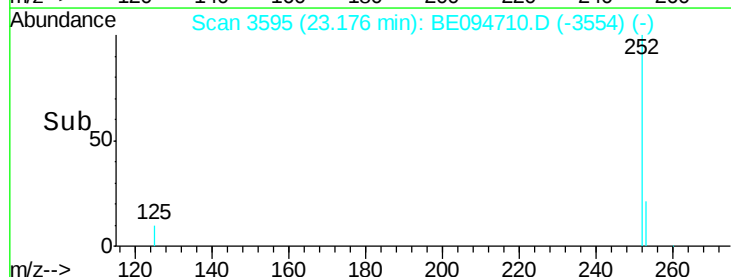
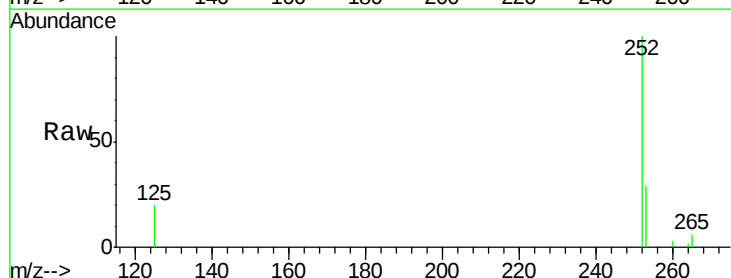
RT: 23.18 min Scan# 3595

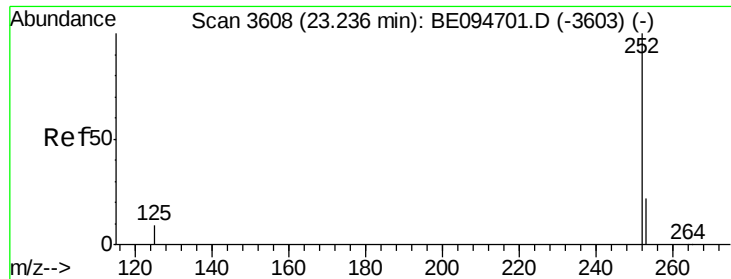
Delta R.T. -0.01 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

Tgt Ion:	252	Resp:	29396
Ion Ratio	Lower	Upper	
252	100		
253	29.4	0.0	64.2
125	20.4	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 0.298 ng/ul m

RT: 23.22 min Scan# 3605

Delta R.T. -0.01 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

Instrument :

BNA_E

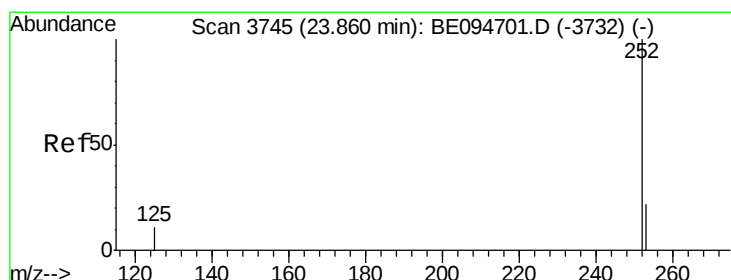
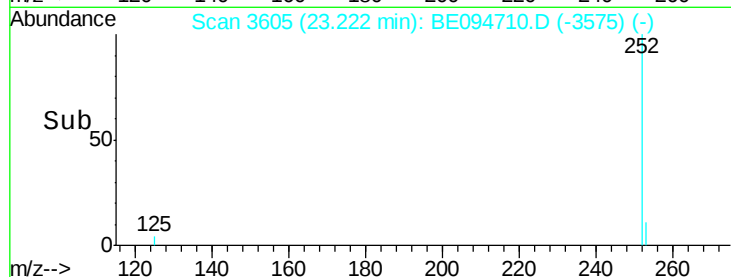
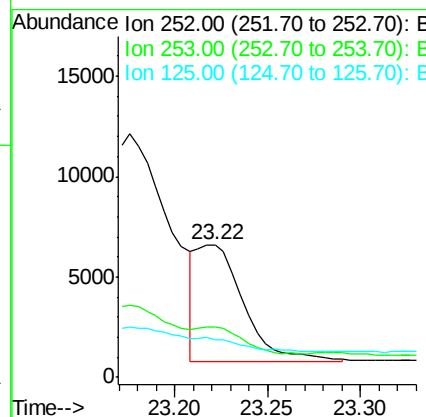
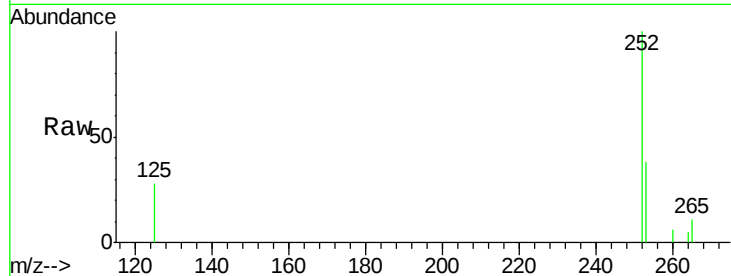
ClientSampleId :

B-62(5-5.5)-101117

Tgt Ion:	252	Resp:	10193
Ion Ratio	Lower	Upper	
252	100		
253	38.0	24.5	36.7#
125	28.5	13.7	20.5#

Manual Integrations
APPROVED

Sohil
11/4/2017 2:15:19 PM



#23

Benzo(a)pyrene

Concen: 0.561 ng/ul

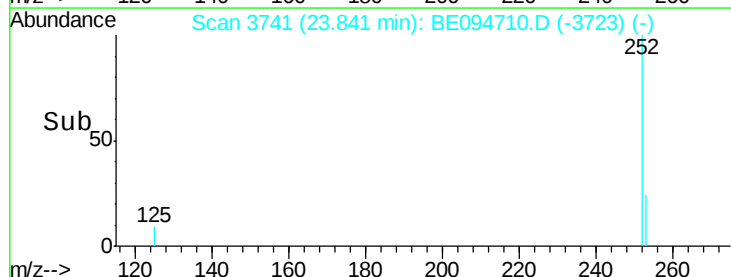
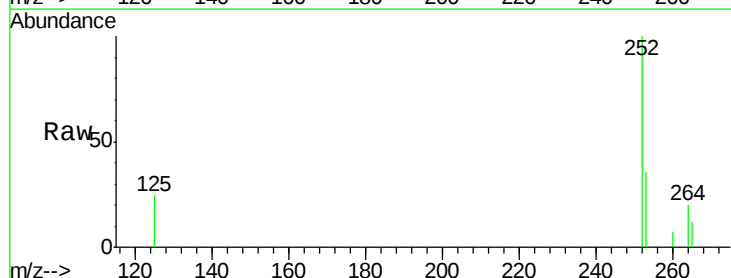
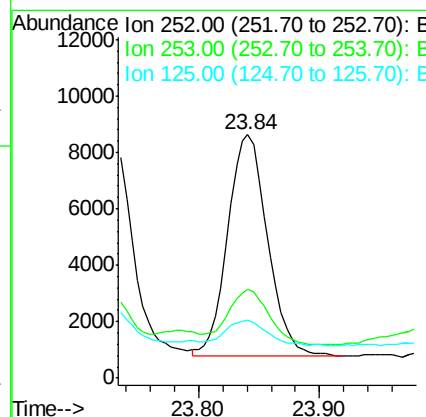
RT: 23.84 min Scan# 3741

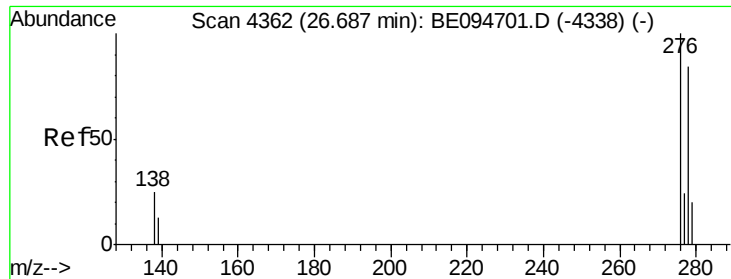
Delta R.T. -0.02 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

Tgt Ion:	252	Resp:	17900
Ion Ratio	Lower	Upper	
252	100		
253	36.3	28.5	42.7
125	24.0	18.1	27.1





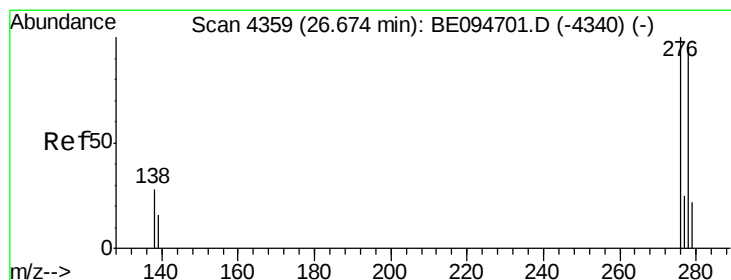
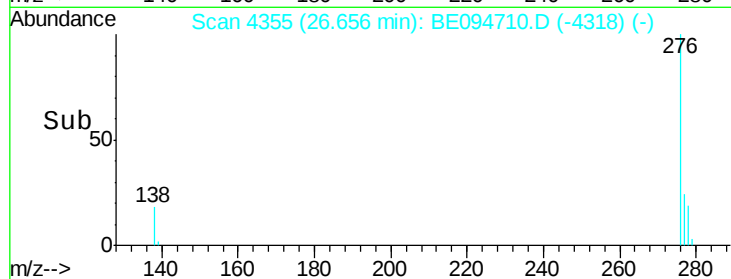
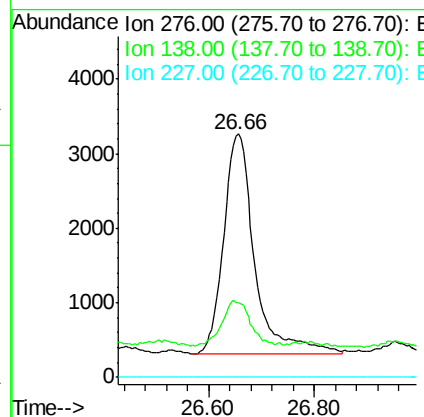
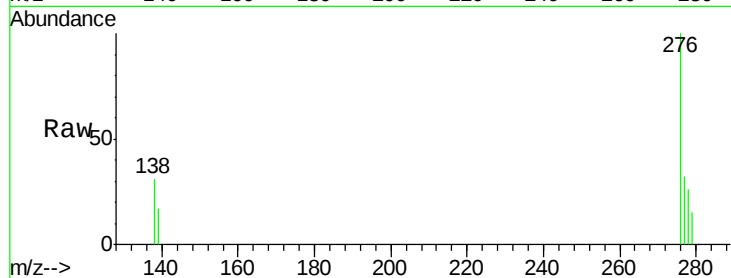
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.367 ng/u1
 RT: 26.66 min Scan# 4355
 Delta R.T. -0.03 min
 Lab File: BE094710.D
 Acq: 3 Nov 2017 16:47

Instrument :
 BNA_E
 ClientSampleId :
 B-62(5-5.5)-101117

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.2	28.0	42.0#
227	0.0	8.0	12.0#

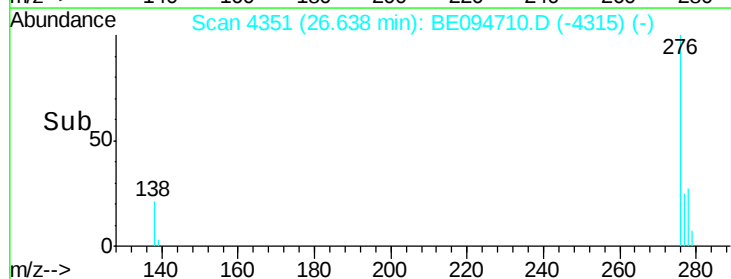
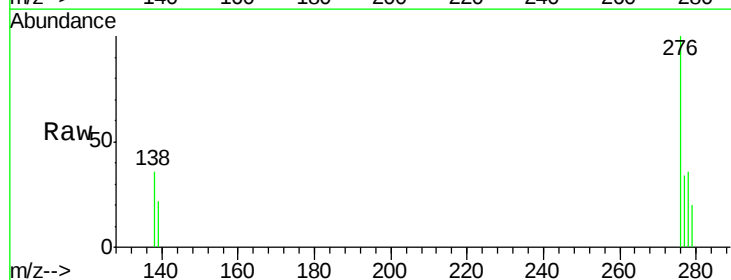
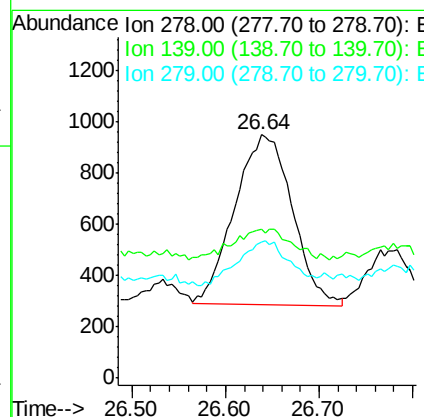
Manual Integrations
 APPROVED

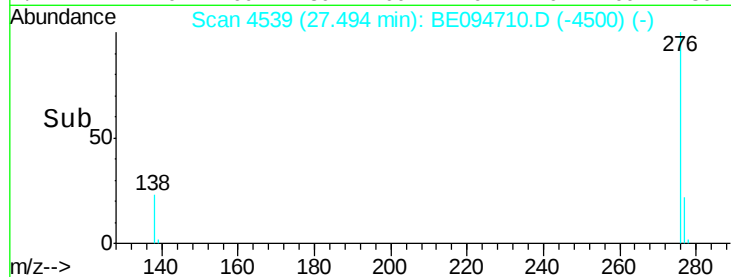
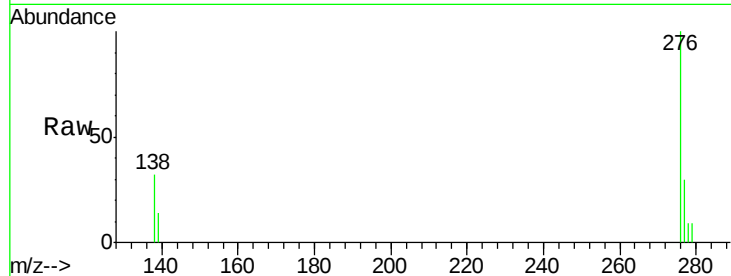
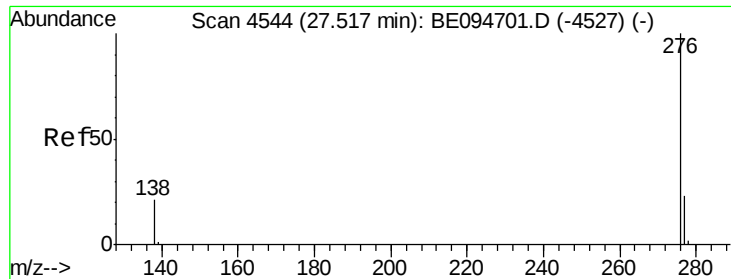
Sohil
 11/4/2017 2:15:19 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.102 ng/u1
 RT: 26.64 min Scan# 4351
 Delta R.T. -0.04 min
 Lab File: BE094710.D
 Acq: 3 Nov 2017 16:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	60.9	17.4	26.0#
279	55.8	25.9	38.9#





#26

Benzo(g,h,i)perylene

Concen: 0.591 ng/ul

RT: 27.49 min Scan# 4539

Delta R.T. -0.02 min

Lab File: BE094710.D

Acq: 3 Nov 2017 16:47

Instrument :

BNA_E

ClientSampleId :

B-62(5-5.5)-101117

Tgt	Ion	276	Resp:	15671
Ion	Ratio	Lower	Upper	
276	100			
138	32.0	21.8	32.8	
277	30.2	20.5	30.7	

Manual Integrations
APPROVED

Sohil
11/4/2017 2:15:19 PM

