

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102617\
 Data File : BE094587.D
 Acq On : 27 Oct 2017 9:43
 Operator : SJ/JU
 Sample : I5786-02MS 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-38(FILL)_100917MS

Manual Integrations
 APPROVED

Sohil
 10/27/2017 5:36:01 PM

Quant Time: Oct 27 10:32:16 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 Oct 27 04:05:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1663	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	9126	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	5286	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11447	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	11254	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	12429	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	1051	0.07	ng/ul	-0.01
14) Fluoranthene-d10	19.29	212	2264	0.07	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.74	128	24972	1.119	ng/ul#	92
5) 2-Methylnaphthalene	12.35	142	9947	0.637	ng/ul	98
7) Acenaphthylene	14.24	152	71264	2.980	ng/ul	95
8) Acenaphthene	14.58	153	117323	6.828	ng/ul	99
9) Fluorene	15.57	166	38068	1.973	ng/ul	94
11) Pentachlorophenol	16.95	266	7991m	13.980	ng/ul	
12) Phenanthrene	17.29	178	796981	26.359	ng/ul#	87
13) Anthracene	17.38	178	218381	7.319	ng/ul#	89
15) Fluoranthene	19.32	202	1786857	51.118	ng/ul	84
17) Pyrene	19.68	202	1785560	51.322	ng/ul#	80
18) Benzo(a)anthracene	21.42	228	1022203	31.773	ng/ul#	87
19) Chrysene	21.47	228	895212	26.920	ng/ul	99
21) Benzo(b)fluoranthene	23.20	252	1269354m	36.307	ng/ul	
22) Benzo(k)fluoranthene	23.24	252	409562m	10.931	ng/ul	
23) Benzo(a)pyrene	23.87	252	872603	24.969	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.69	276	574397	15.884	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.68	278	151527	4.973	ng/ul	96
26) Benzo(g,h,i)perylene	27.53	276	405864	13.977	ng/ul	96

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

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102617\
Data File : BE094587.D
Acq On : 27 Oct 2017 9:43
Operator : SJ/JU
Sample : I5786-02MS 5X

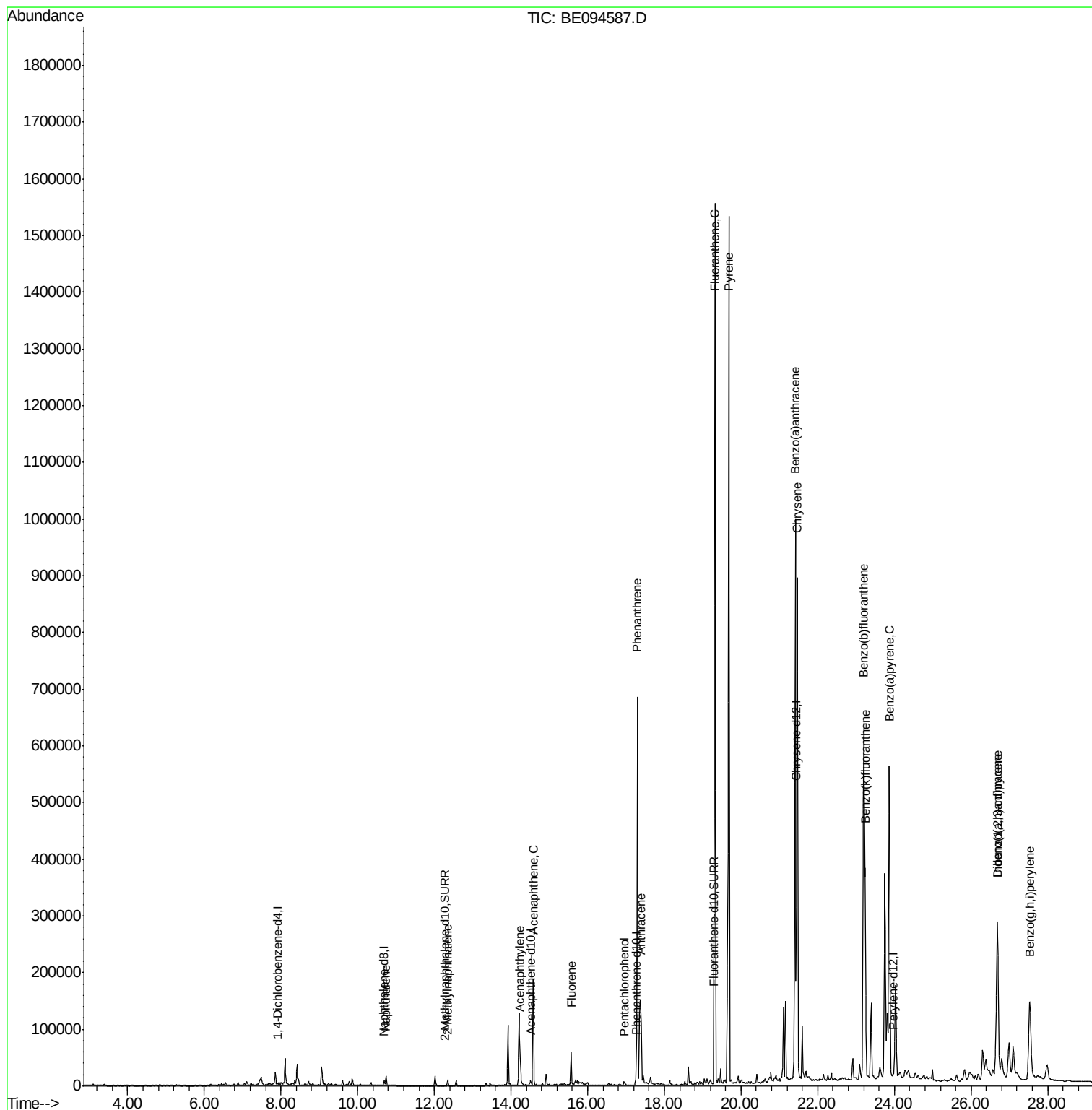
Misc :
ALS Vial : 30 Sample Multiplier: 1

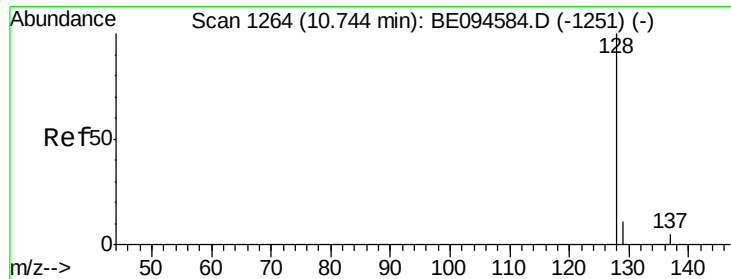
Quant Time: Oct 27 10:32:16 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 27 04:05:19 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
B-38(FILL)_100917MS

Manual Integrations
APPROVED

Sohil
10/27/2017 5:36:01 PM





#3

Naphthalene

Concen: 1.119 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094587.D

Acq: 27 Oct 2017 9:43

Instrument :

BNA_E

ClientSampleId :

B-38(FILL)_100917MS

Tgt Ion:128 Resp: 24972

Ion Ratio Lower Upper

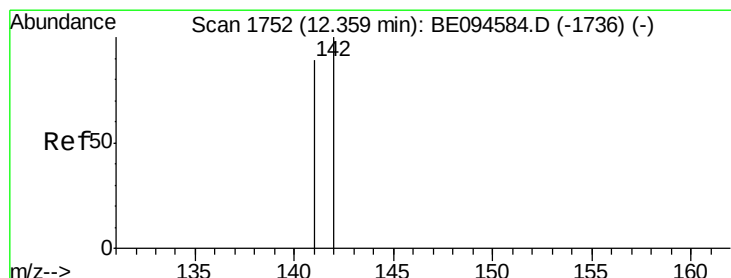
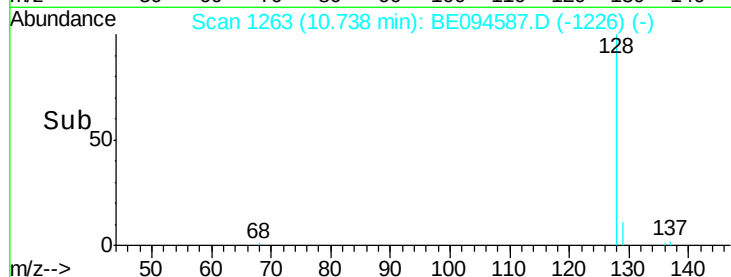
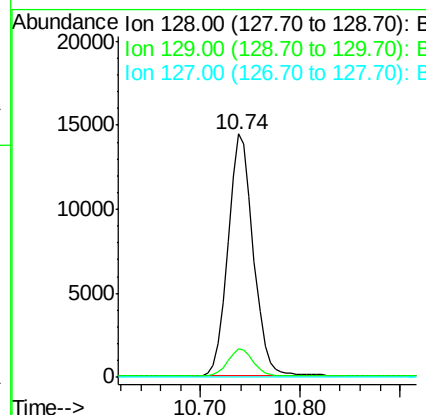
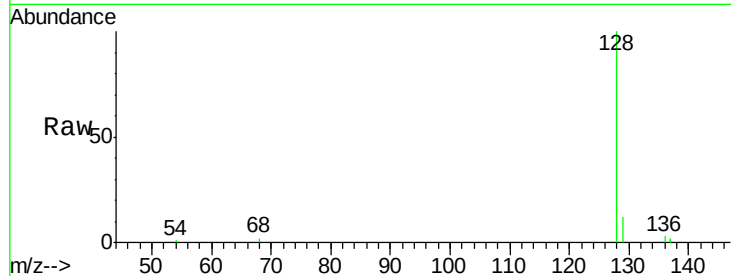
128 100

129 11.8 11.3 16.9

127 0.0 4.0 6.0#

Manual Integrations
APPROVED

Sohil
10/27/2017 5:36:01 PM



#5

2-Methylnaphthalene

Concen: 0.637 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BE094587.D

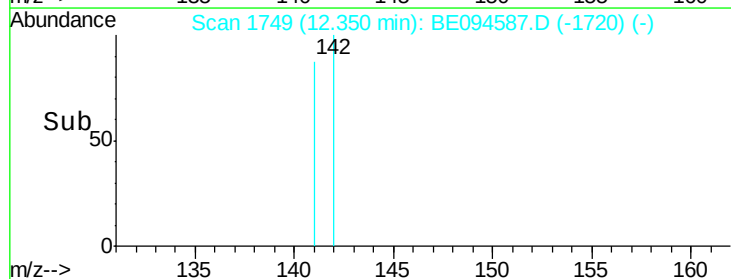
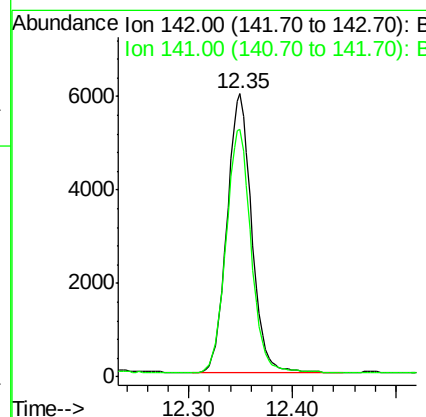
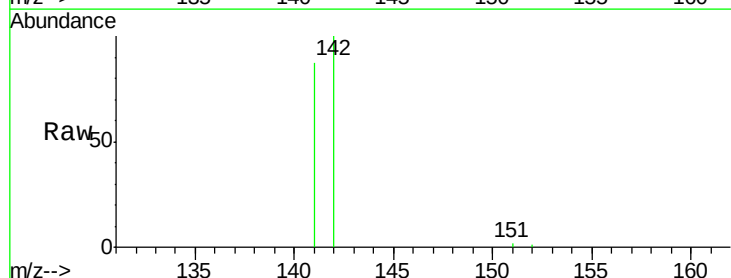
Acq: 27 Oct 2017 9:43

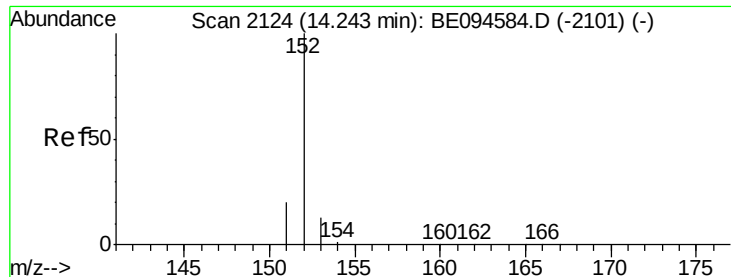
Tgt Ion:142 Resp: 9947

Ion Ratio Lower Upper

142 100

141 88.8 72.6 108.8





#7

Acenaphthylene

Concen: 2.980 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094587.D

Acq: 27 Oct 2017 9:43

Instrument :

BNA_E

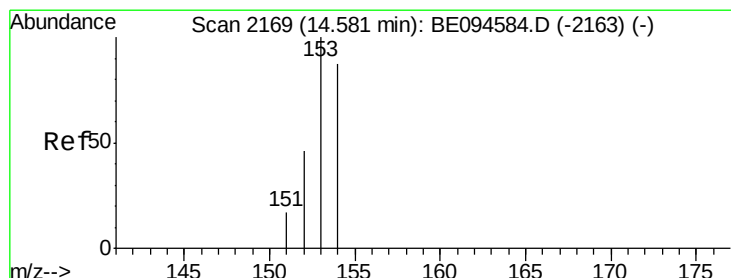
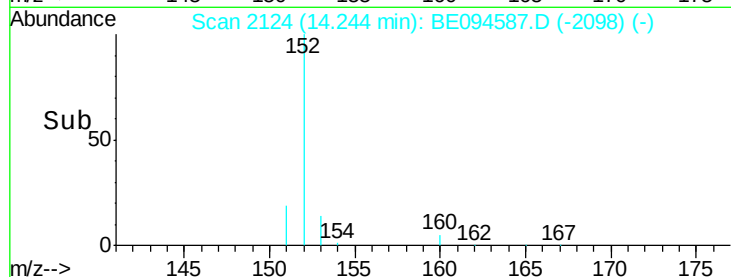
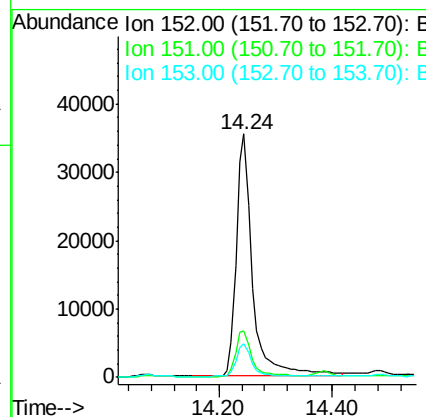
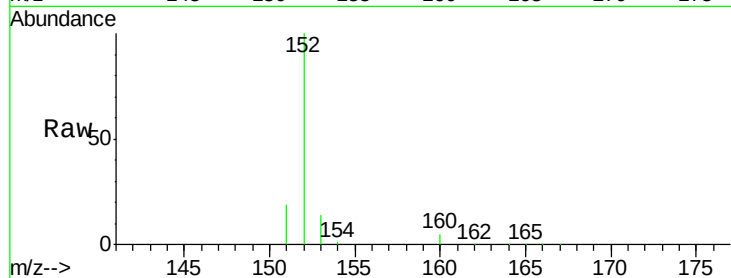
ClientSampleId :

B-38(FILL)_100917MS

Tgt Ion:	152	Resp:	71264
Ion Ratio	Lower	Upper	
152	100		
151	19.3	17.1	25.7
153	13.9	12.8	19.2

Manual Integrations
APPROVED

Sohil
10/27/2017 5:36:01 PM



#8

Acenaphthene

Concen: 6.828 ng/ul

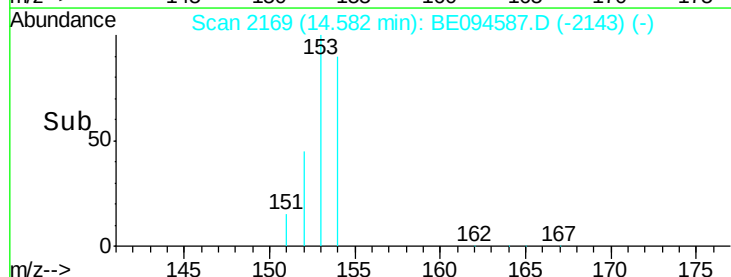
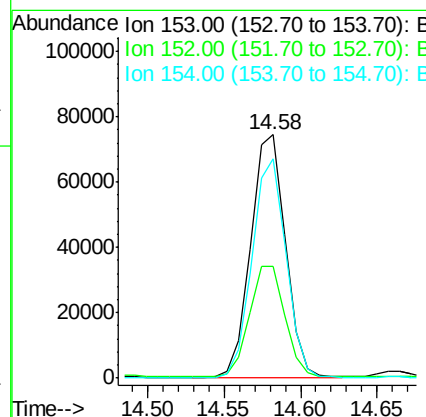
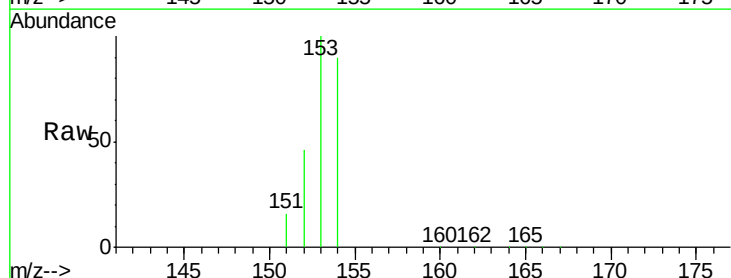
RT: 14.58 min Scan# 2169

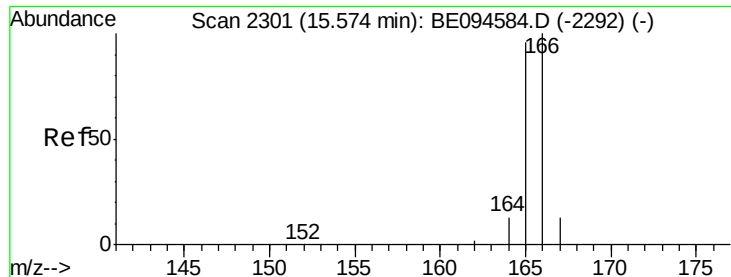
Delta R.T. -0.01 min

Lab File: BE094587.D

Acq: 27 Oct 2017 9:43

Tgt Ion:	153	Resp:	117323
Ion Ratio	Lower	Upper	
153	100		
152	45.9	36.0	54.0
154	89.9	72.0	108.0





#9

Fluorene

Concen: 1.973 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094587.D

Acq: 27 Oct 2017 9:43

Instrument :

BNA_E

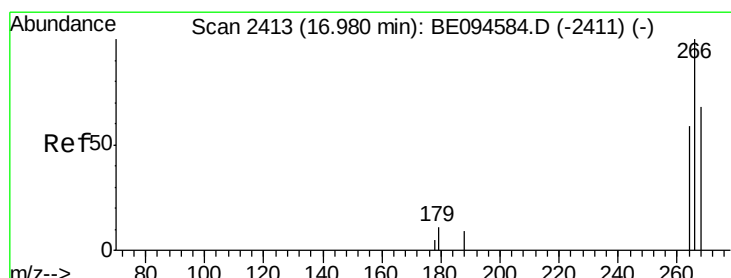
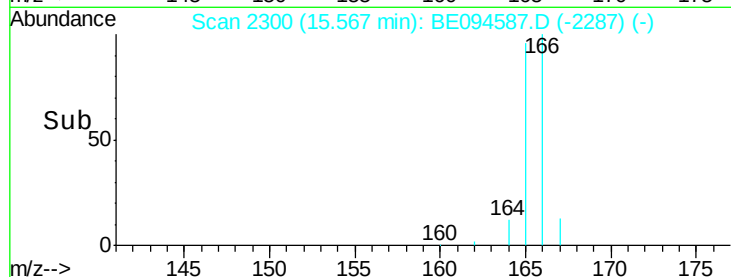
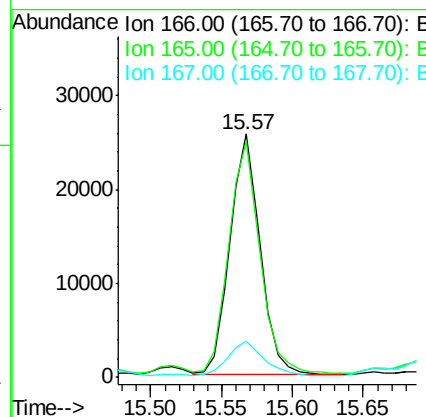
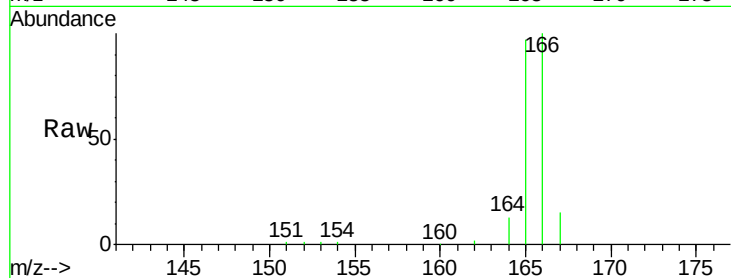
ClientSampleId :

B-38(FILL)_100917MS

Tgt Ion:	166	Resp:	38068
Ion Ratio	Lower	Upper	
166	100		
165	97.0	73.4	110.2
167	15.0	14.6	22.0

Manual Integrations
APPROVED

Sohil
10/27/2017 5:36:01 PM



#11

Pentachlorophenol

Concen: 13.980 ng/ul m

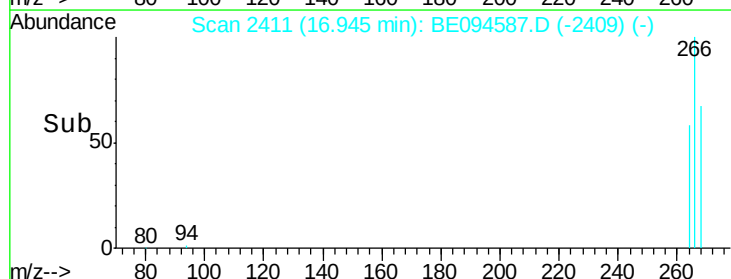
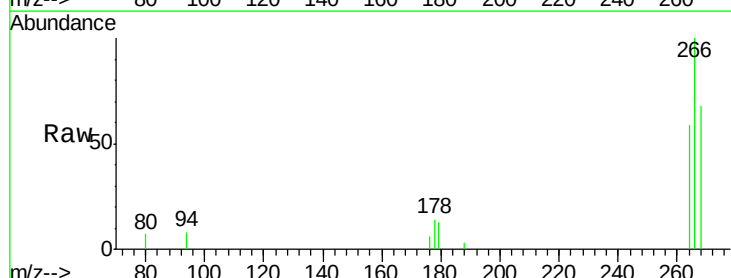
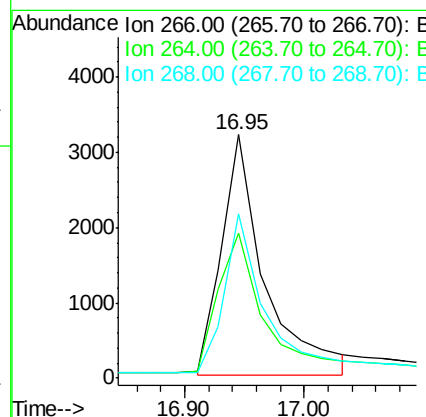
RT: 16.95 min Scan# 2411

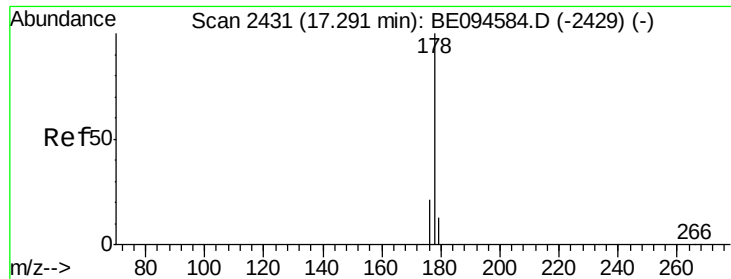
Delta R.T. -0.07 min

Lab File: BE094587.D

Acq: 27 Oct 2017 9:43

Tgt Ion:	266	Resp:	7991
Ion Ratio	Lower	Upper	
266	100		
264	0.0	47.9	71.9#
268	0.0	49.8	74.8#





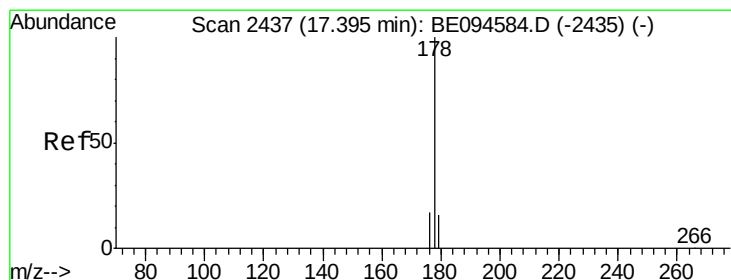
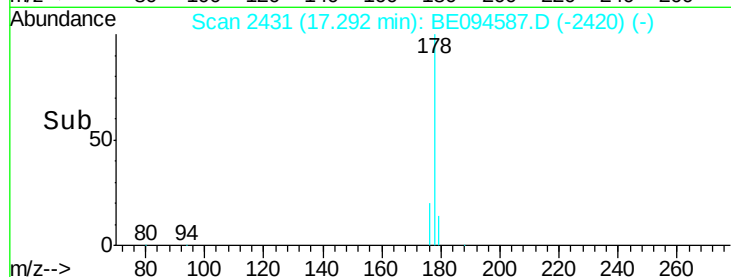
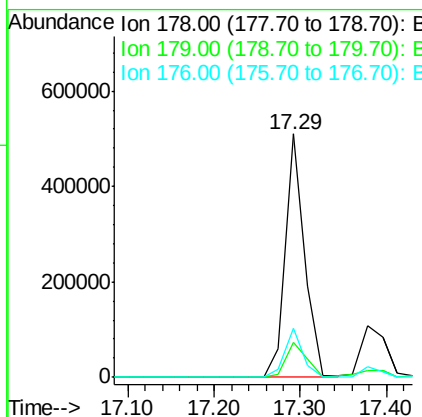
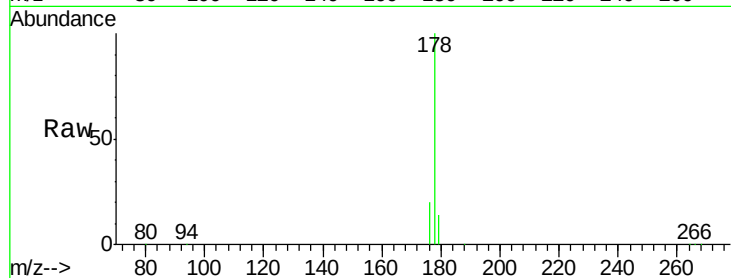
#12
Phenanthrene
Concen: 26.359 ng/ul
RT: 17.29 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BE094587.D
Acq: 27 Oct 2017 9:43

Instrument :
BNA_E
ClientSampleId :
B-38(FILL)_100917MS

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.3	18.4	27.6#
176	20.0	13.6	20.4

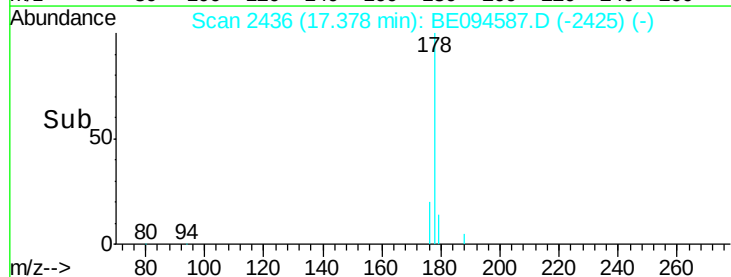
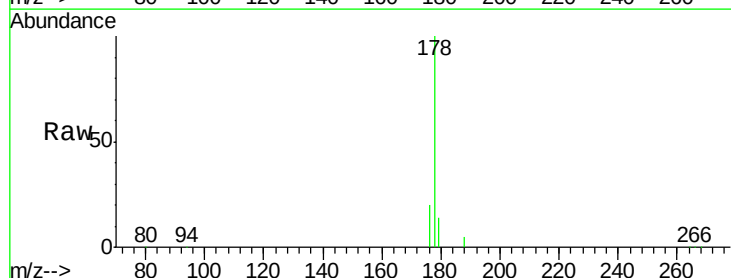
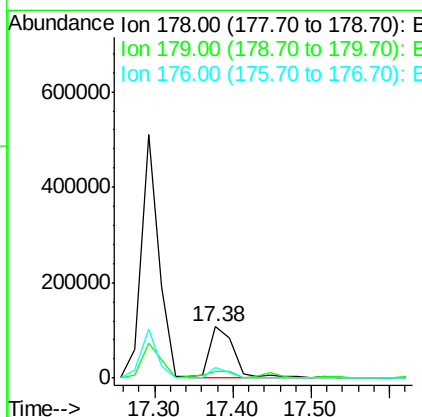
Manual Integrations
APPROVED

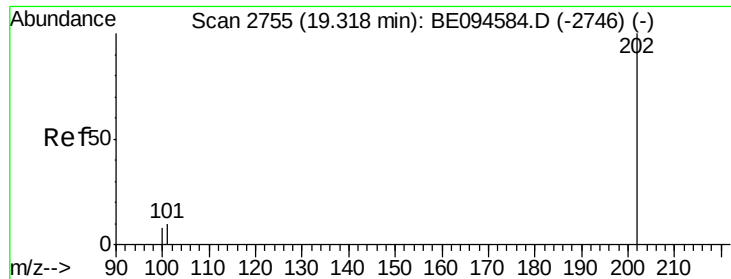
Sohil
10/27/2017 5:36:01 PM



#13
Anthracene
Concen: 7.319 ng/ul
RT: 17.38 min Scan# 2436
Delta R.T. -0.02 min
Lab File: BE094587.D
Acq: 27 Oct 2017 9:43

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.5	18.1	27.1#
176	20.5	14.7	22.1





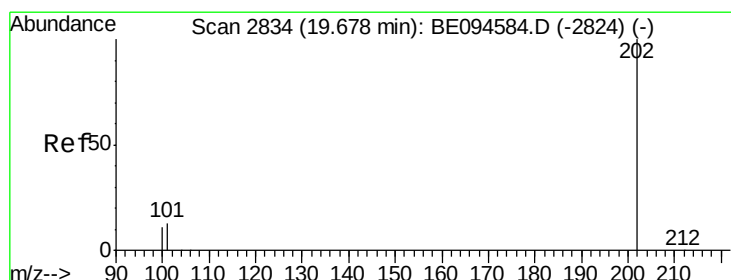
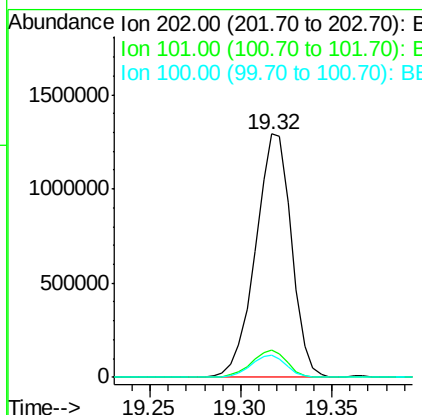
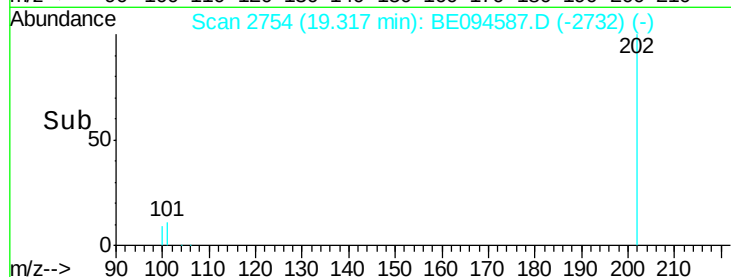
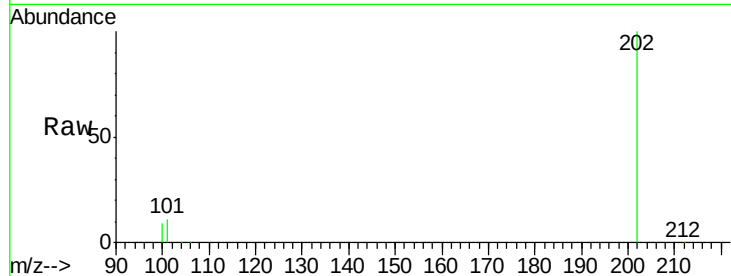
#15
Fluoranthene
Concen: 51.118 ng/ul
RT: 19.32 min Scan# 2754
Delta R.T. -0.00 min
Lab File: BE094587.D
Acq: 27 Oct 2017 9:43

Instrument :
BNA_E
ClientSampleId :
B-38(FILL)_100917MS

Tgt Ion:202 Resp: 1786857
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.3
100 9.1 0.0 39.5

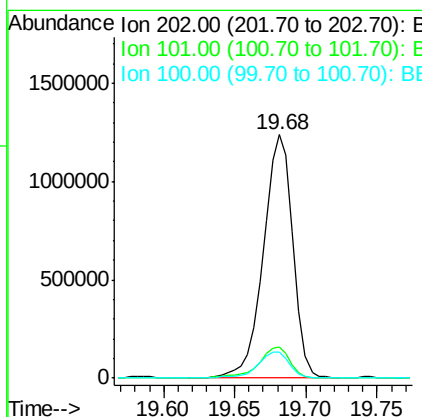
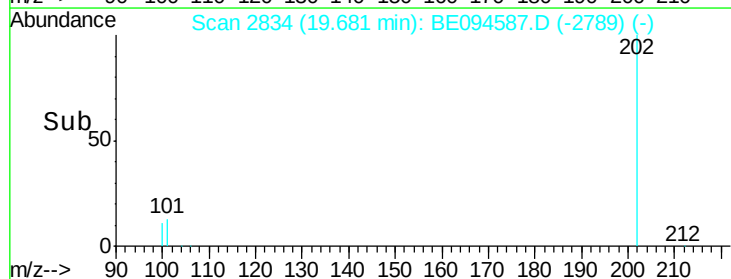
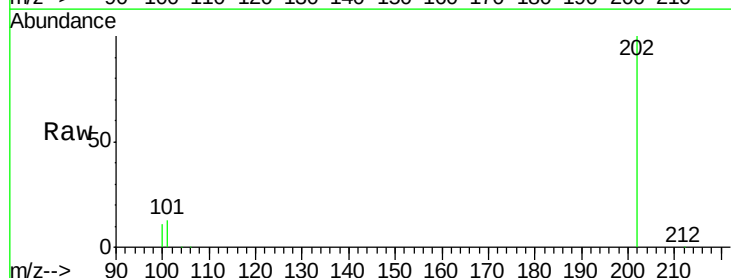
Manual Integrations
APPROVED

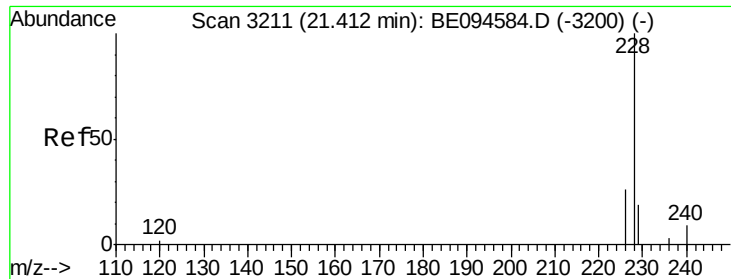
Sohil
10/27/2017 5:36:01 PM



#17
Pyrene
Concen: 51.322 ng/ul
RT: 19.68 min Scan# 2834
Delta R.T. 0.00 min
Lab File: BE094587.D
Acq: 27 Oct 2017 9:43

Tgt Ion:202 Resp: 1785560
Ion Ratio Lower Upper
202 100
101 12.8 18.2 27.4#
100 10.9 15.6 23.4#





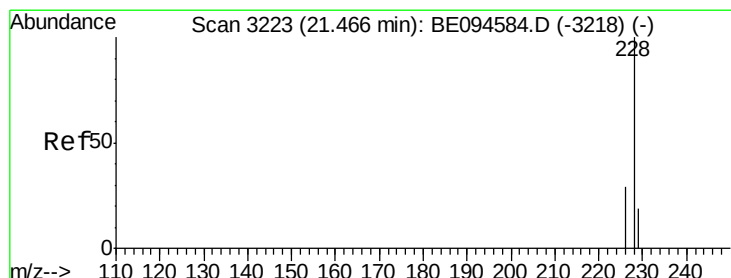
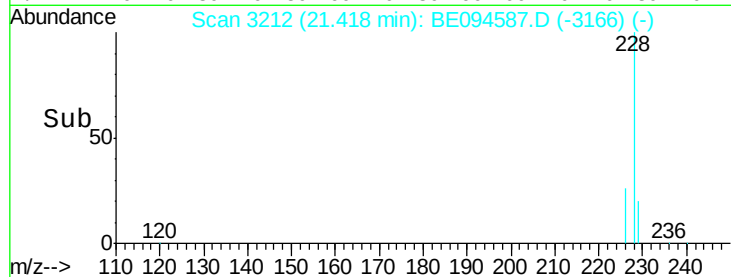
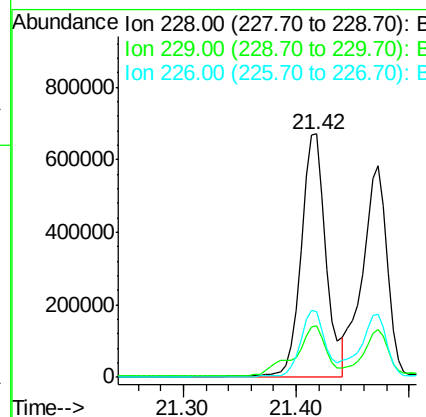
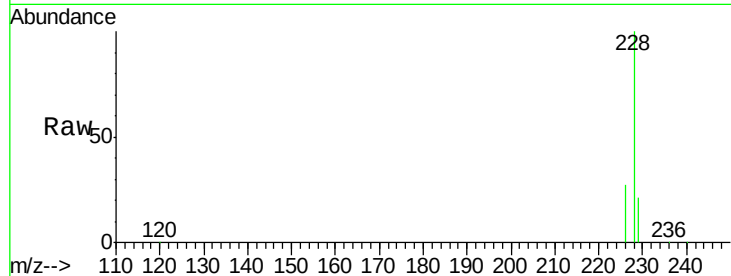
#18
Benzo(a)anthracene
Concen: 31.773 ng/ul
RT: 21.42 min Scan# 3212
Delta R.T. 0.01 min
Lab File: BE094587.D
Acq: 27 Oct 2017 9:43

Instrument :
BNA_E
ClientSampleId :
B-38(FILL)_100917MS

Tgt Ion:228 Resp: 1022203
Ion Ratio Lower Upper
228 100
229 21.3 22.8 34.2#
226 26.7 17.0 25.6#

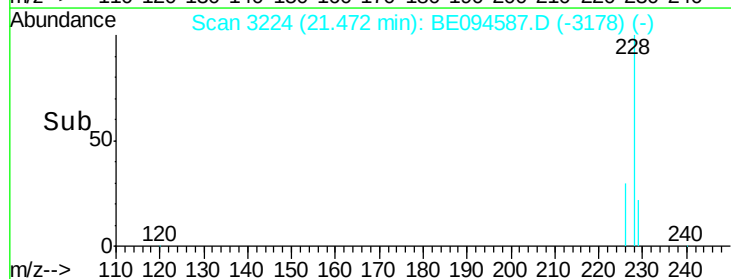
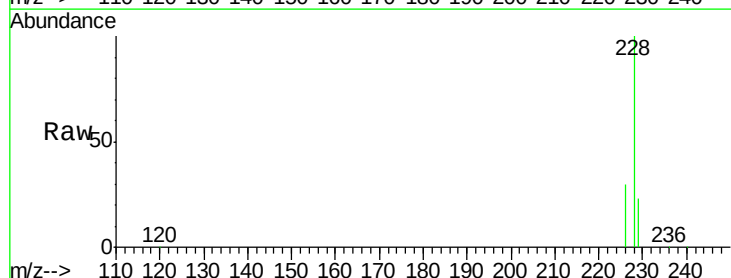
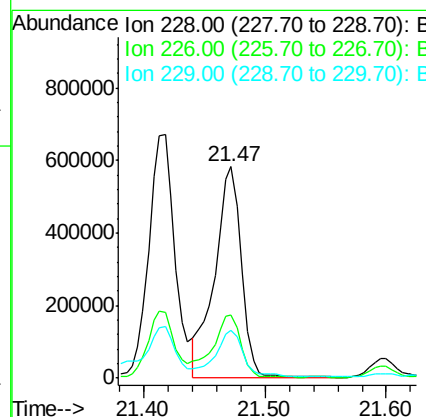
Manual Integrations
APPROVED

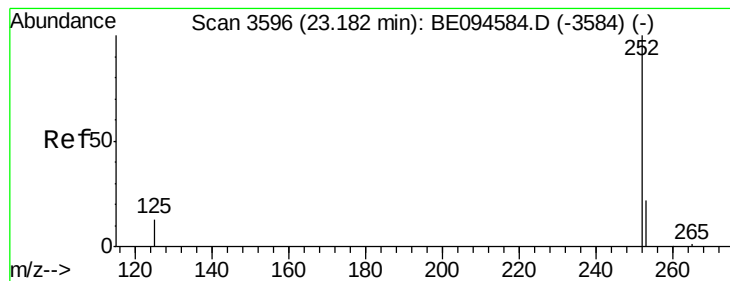
Sohil
10/27/2017 5:36:01 PM



#19
Chrysene
Concen: 26.920 ng/ul
RT: 21.47 min Scan# 3224
Delta R.T. 0.01 min
Lab File: BE094587.D
Acq: 27 Oct 2017 9:43

Tgt Ion:228 Resp: 895212
Ion Ratio Lower Upper
228 100
226 30.0 23.4 35.0
229 22.8 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 36.307 ng/ul m

RT: 23.20 min Scan# 3601

Delta R.T. 0.02 min

Lab File: BE094587.D

Acq: 27 Oct 2017 9:43

Instrument :

BNA_E

ClientSampleId :

B-38(FILL)_100917MS

Tgt Ion:252 Resp: 1269354

Ion Ratio Lower Upper

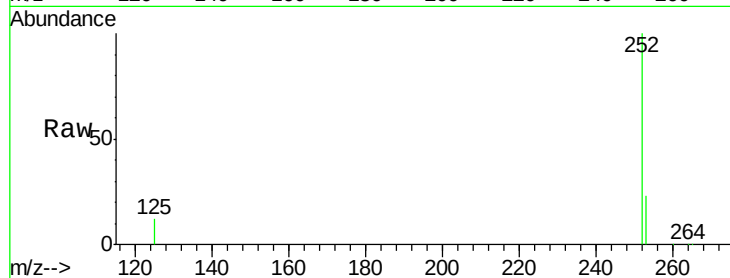
252 100

253 23.2 0.0 64.2

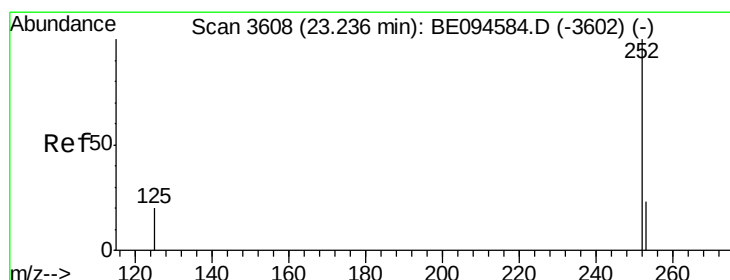
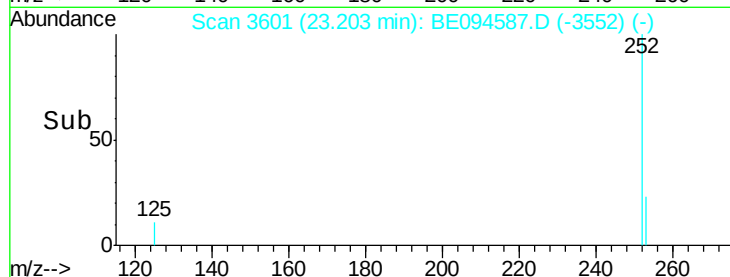
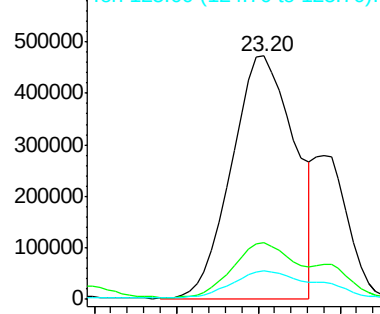
125 11.5 0.0 35.0

Manual Integrations
APPROVED

Sohil
10/27/2017 5:36:01 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



#22

Benzo(k)fluoranthene

Concen: 10.931 ng/ul m

RT: 23.24 min Scan# 3609

Delta R.T. 0.01 min

Lab File: BE094587.D

Acq: 27 Oct 2017 9:43

Tgt Ion:252 Resp: 409562

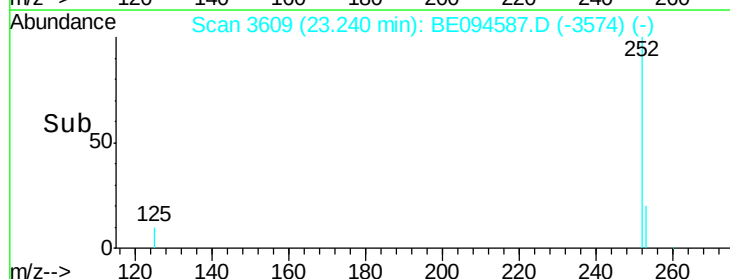
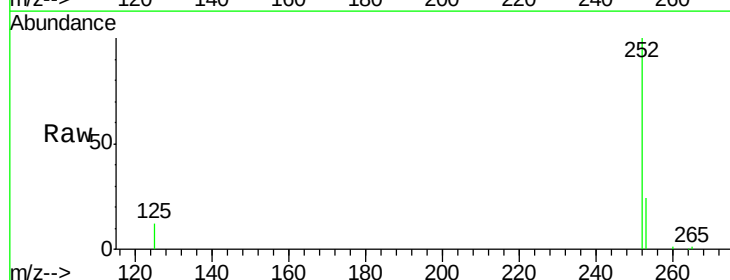
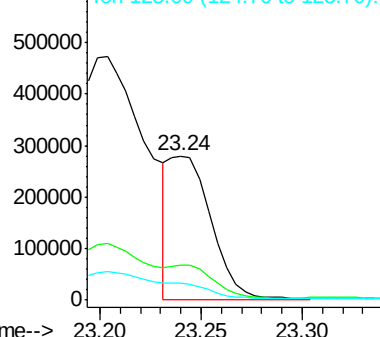
Ion Ratio Lower Upper

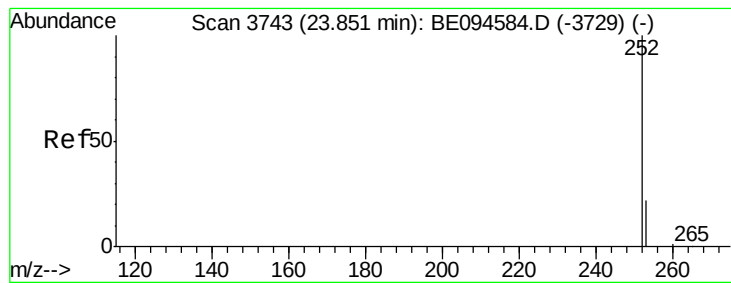
252 100

253 24.3 24.5 36.7#

125 11.5 13.7 20.5#

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: 24.969 ng/ul

RT: 23.87 min Scan# 3747

Delta R.T. 0.02 min

Lab File: BE094587.D

Acq: 27 Oct 2017 9:43

Instrument :

BNA_E

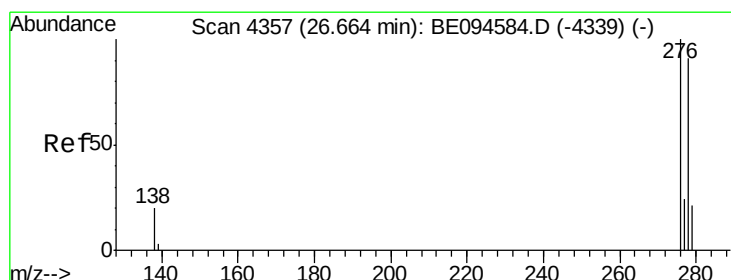
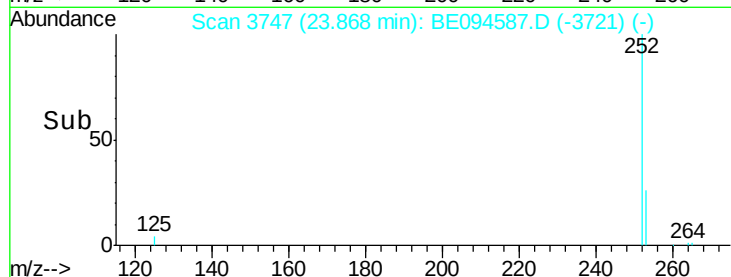
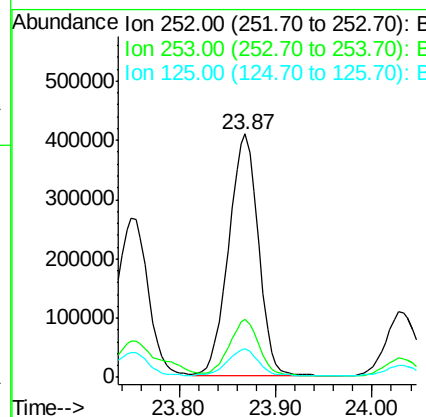
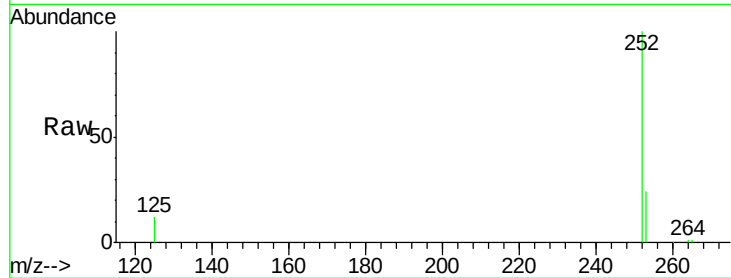
ClientSampleId :

B-38(FILL)_100917MS

Tgt Ion:	252	Resp:	872603
Ion Ratio	Lower	Upper	
252	100		
253	23.6	28.5	42.7#
125	11.7	18.1	27.1#

Manual Integrations
APPROVED

Sohil
10/27/2017 5:36:01 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 15.884 ng/ul

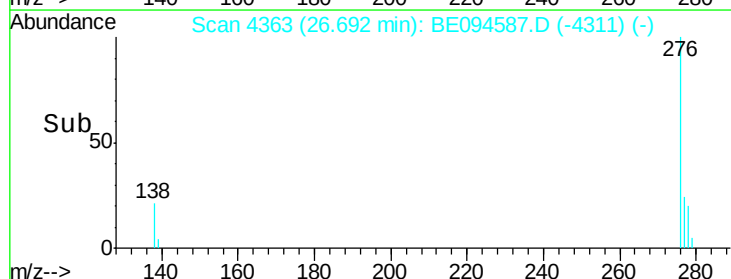
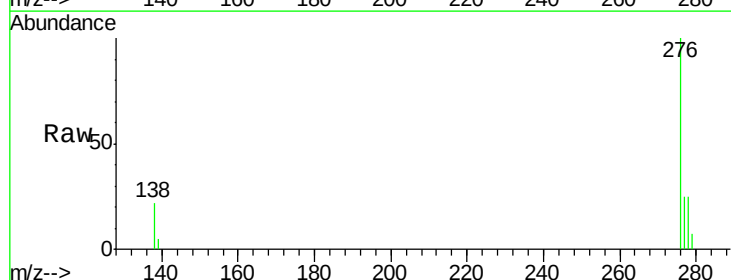
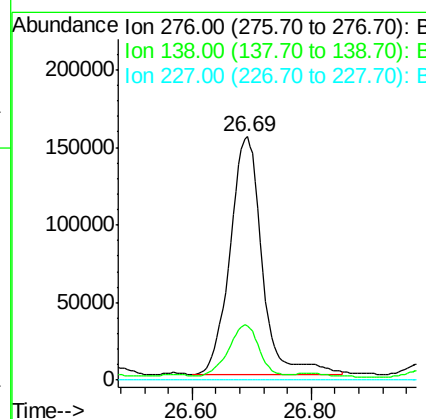
RT: 26.69 min Scan# 4363

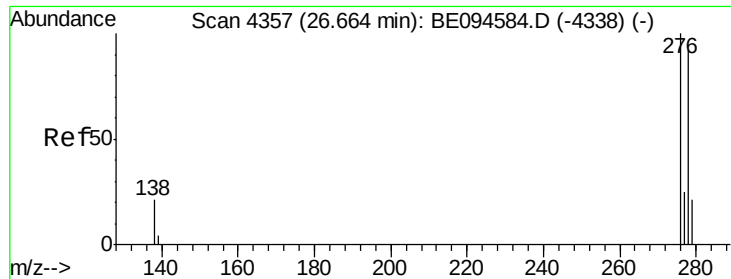
Delta R.T. 0.04 min

Lab File: BE094587.D

Acq: 27 Oct 2017 9:43

Tgt Ion:	276	Resp:	574397
Ion Ratio	Lower	Upper	
276	100		
138	20.6	28.0	42.0#
227	0.0	8.0	12.0#





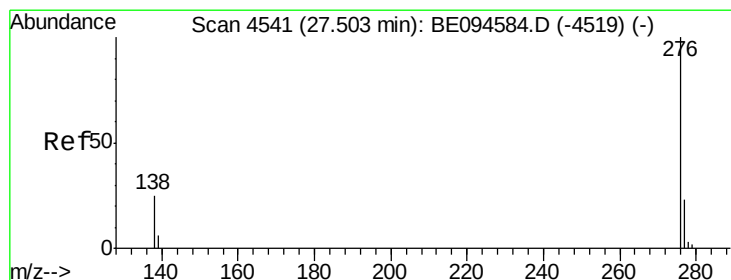
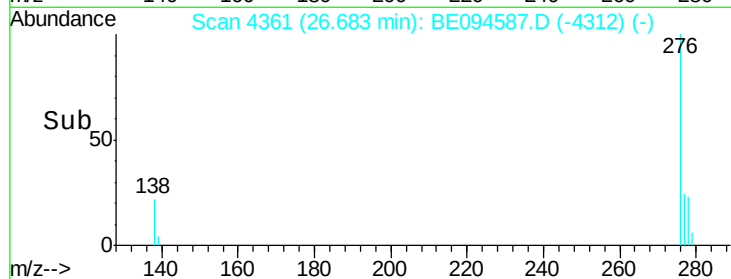
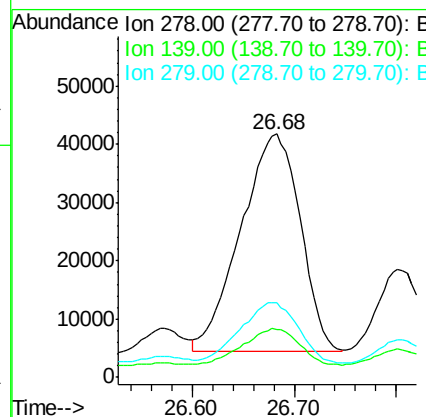
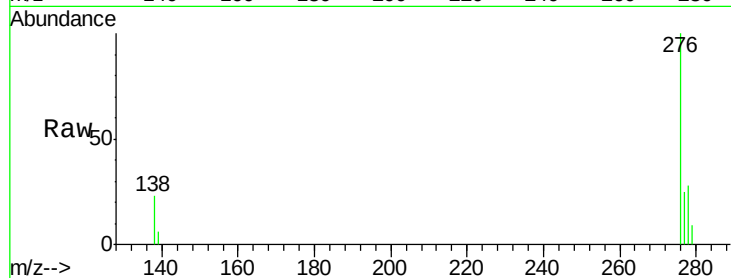
#25
Dibenzo(a,h)anthracene
Concen: 4.973 ng/ul
RT: 26.68 min Scan# 4361
Delta R.T. 0.02 min
Lab File: BE094587.D
Acq: 27 Oct 2017 9:43

Instrument :
BNA_E
ClientSampleId :
B-38(FILL)_100917MS

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	151527		
139	19.7	17.4	26.0	
279	30.4	25.9	38.9	

Manual Integrations
APPROVED

Sohil
10/27/2017 5:36:01 PM



#26
Benzo(g,h,i)perylene
Concen: 13.977 ng/ul
RT: 27.53 min Scan# 4548
Delta R.T. 0.04 min
Lab File: BE094587.D
Acq: 27 Oct 2017 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	405864		
138	23.6	21.8	32.8	
277	25.4	20.5	30.7	

