

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101317\
 Data File : BE094350.D
 Acq On : 14 Oct 2017 7:38
 Operator : SJ/JU
 Sample : I5649-08DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-57(1-2)-100317DL

Manual Integrations
 APPROVED

Sohil
 10/16/2017 8:23:27 PM

Quant Time: Oct 14 22:44:17 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 14 05:22:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1947	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	10090	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	5568	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	12512	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	11743	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	12028	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	482	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	1227	0.03	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.75	128	3835	0.16	ng/ul#	95
5) 2-Methylnaphthalene	12.36	142	985	0.06	ng/ul	96
7) Acenaphthylene	14.26	152	3445	0.16	ng/ul	97
8) Acenaphthene	14.59	153	2529	0.14	ng/ul	97
9) Fluorene	15.57	166	3154	0.15	ng/ul	91
12) Phenanthrene	17.31	178	113303	3.47	ng/ul#	92
13) Anthracene	17.39	178	36405	1.14	ng/ul#	92
15) Fluoranthene	19.32	202	418221	9.73	ng/ul	84
17) Pyrene	19.68	202	388223	11.88	ng/ul#	80
18) Benzo(a)anthracene	21.41	228	257632	8.27	ng/ul#	87
19) Chrysene	21.47	228	219605	6.10	ng/ul	98
21) Benzo(b)fluoranthene	23.19	252	281205m	8.61	ng/ul	
22) Benzo(k)fluoranthene	23.23	252	107315m	2.84	ng/ul	
23) Benzo(a)pyrene	23.85	252	224851	6.62	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.66	276	136349	3.93	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.66	278	36195	1.24	ng/ul#	89
26) Benzo(g,h,i)perylene	27.50	276	106981	3.57	ng/ul	97

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

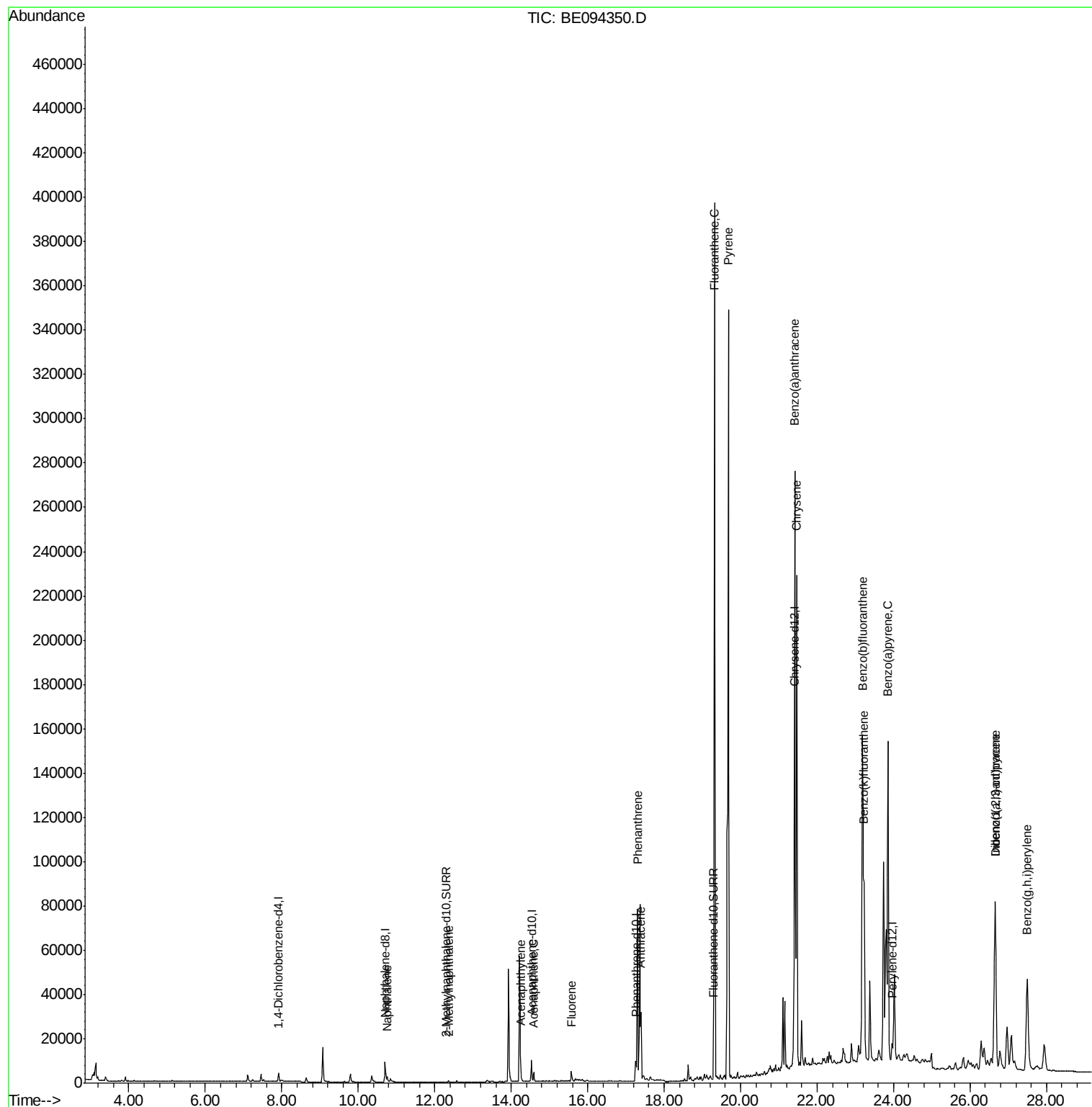
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101317\
Data File : BE094350.D
Acq On : 14 Oct 2017 7:38
Operator : SJ/JU
Sample : I5649-08DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

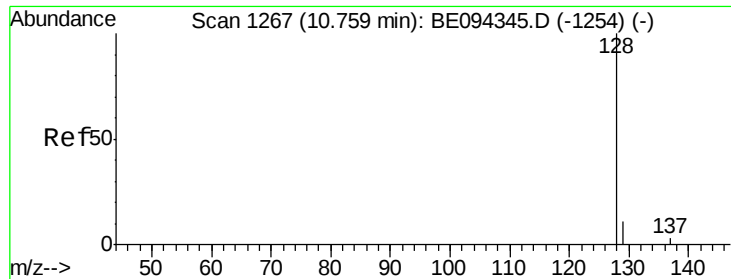
Instrument :
BNA_E
ClientSampleId :
B-57(1-2)-100317DL

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:27 PM

Quant Time: Oct 14 22:44:17 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 14 05:22:31 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.16 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Instrument :

BNA_E

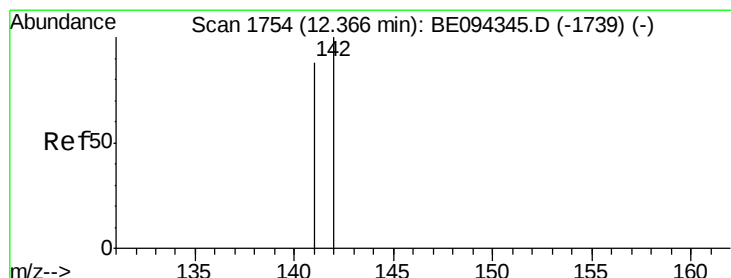
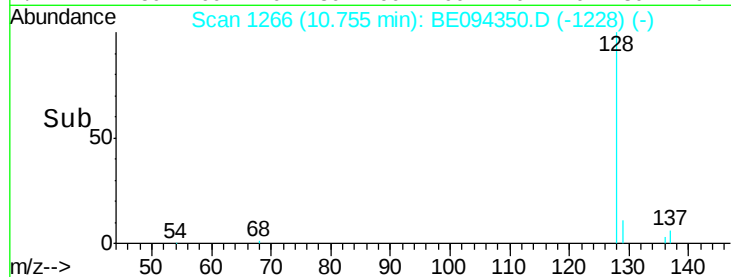
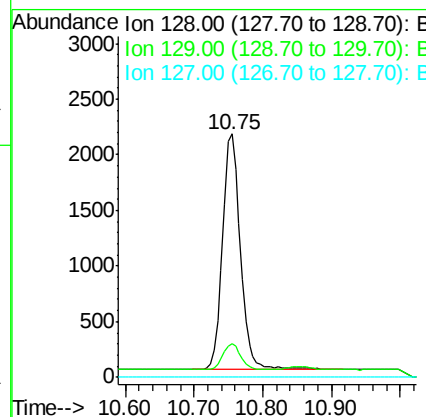
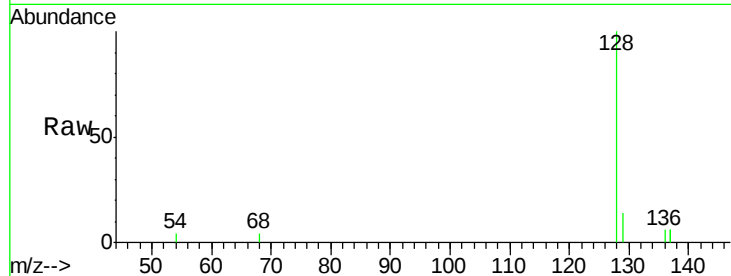
ClientSampleId :

B-57(1-2)-100317DL

Tgt Ion:	128	Resp:	3835
Ion Ratio	Lower	Upper	
128	100		
129	13.7	11.3	16.9
127	0.0	4.0	6.0#

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:27 PM



#5

2-Methylnaphthalene

Concen: 0.06 ng/ul

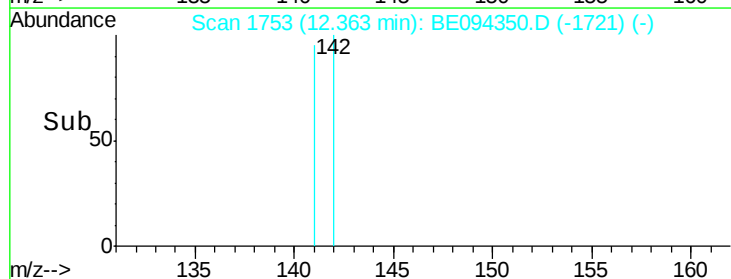
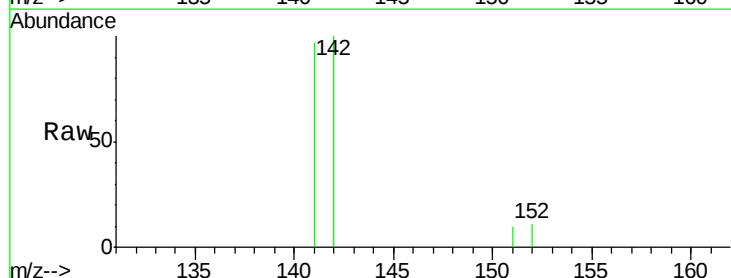
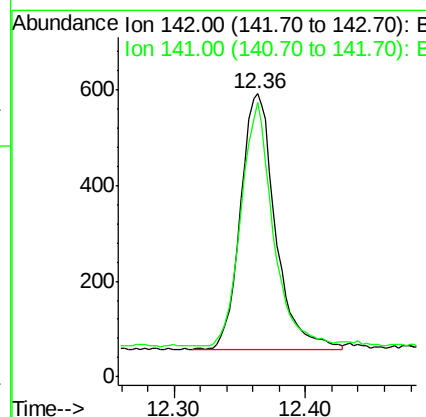
RT: 12.36 min Scan# 1753

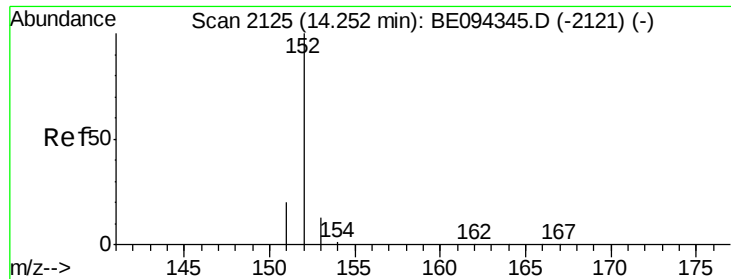
Delta R.T. -0.00 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Tgt Ion:	142	Resp:	985
Ion Ratio	Lower	Upper	
142	100		
141	87.0	72.6	108.8





#7

Acenaphthylene

Concen: 0.16 ng/ul

RT: 14.26 min Scan# 2125

Delta R.T. 0.01 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Instrument :

BNA_E

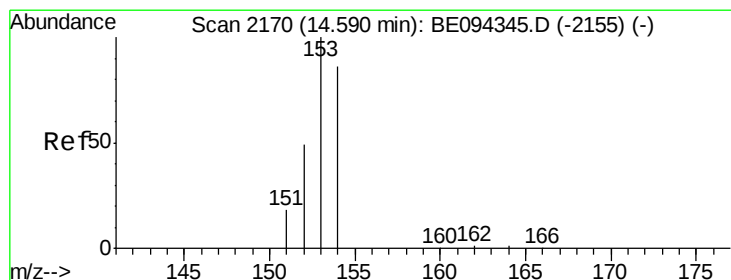
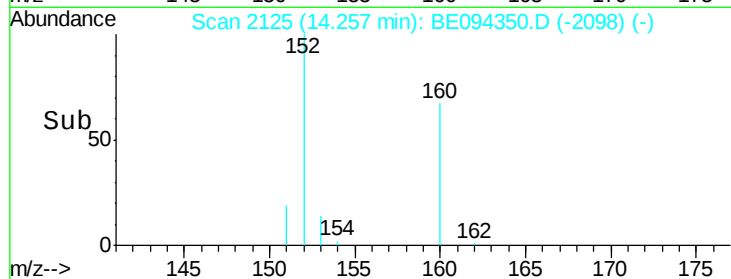
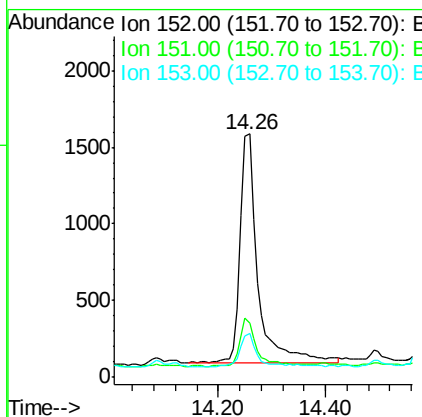
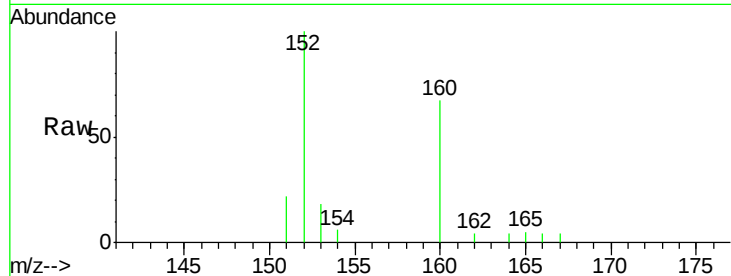
ClientSampleId :

B-57(1-2)-100317DL

Tgt Ion:	152	Resp:	3445
Ion Ratio	Lower	Upper	
152	100		
151	22.4	17.1	25.7
153	17.8	12.8	19.2

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:27 PM



#8

Acenaphthene

Concen: 0.14 ng/ul

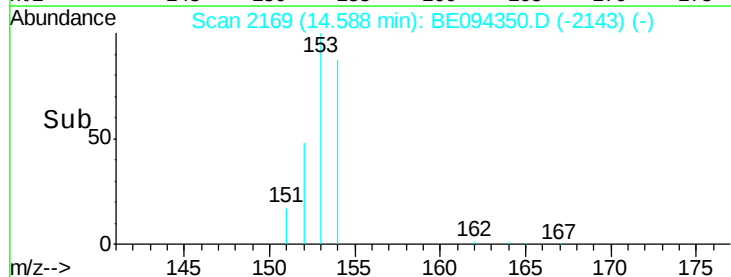
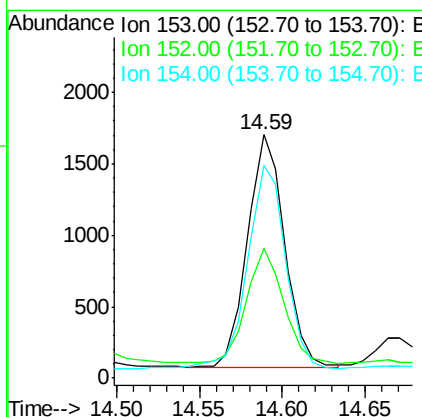
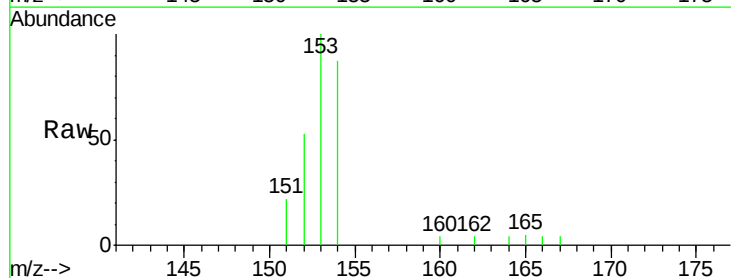
RT: 14.59 min Scan# 2169

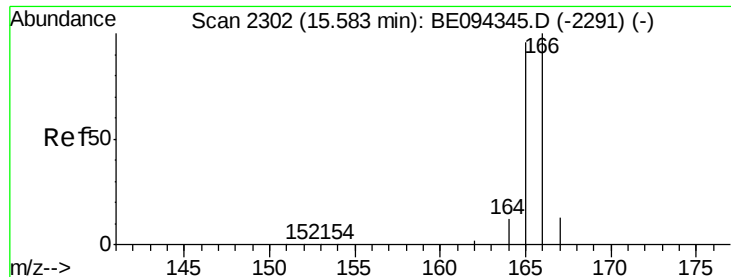
Delta R.T. -0.00 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Tgt Ion:	153	Resp:	2529
Ion Ratio	Lower	Upper	
153	100		
152	53.3	40.3	60.5
154	87.4	71.4	107.2





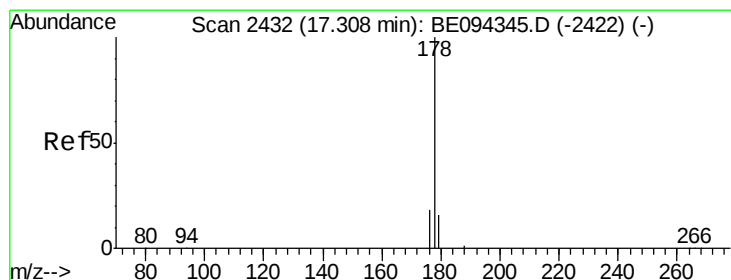
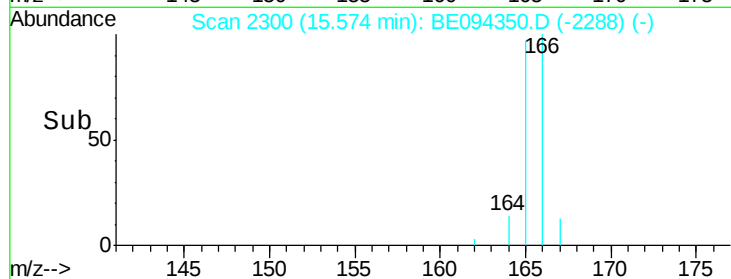
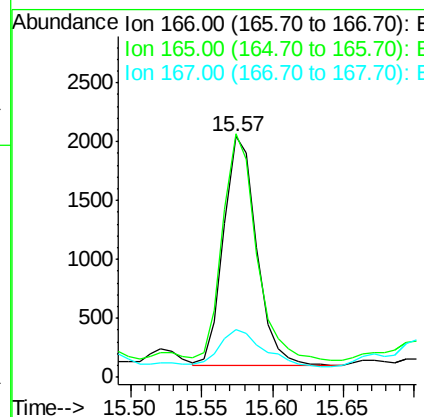
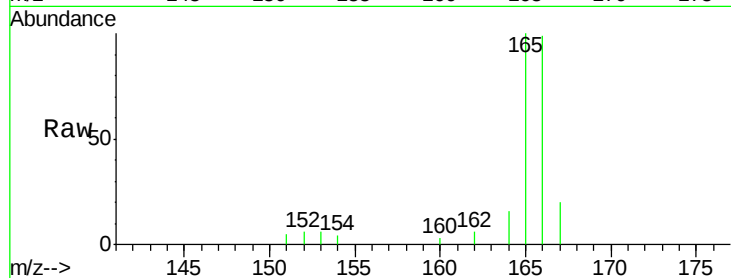
#9
Fluorene
 Concen: 0.15 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094350.D
 Acq: 14 Oct 2017 7:38

Instrument :
 BNA_E
 ClientSampleId :
 B-57(1-2)-100317DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.3	73.4	110.2
167	20.0	14.6	22.0

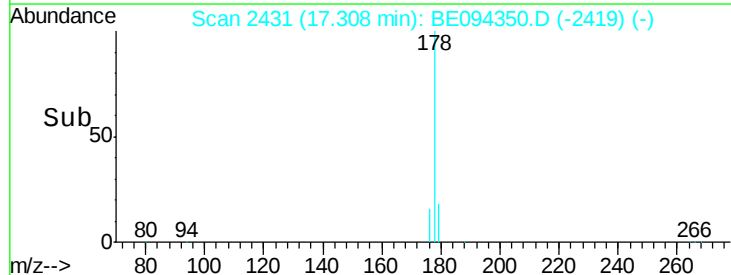
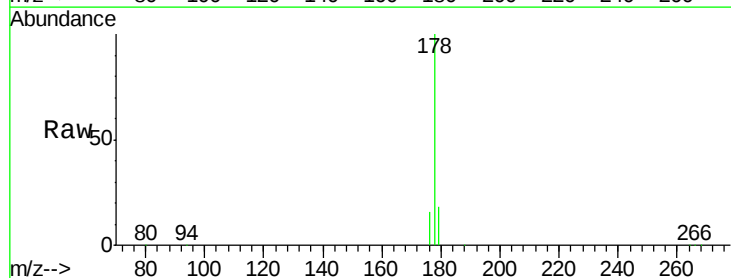
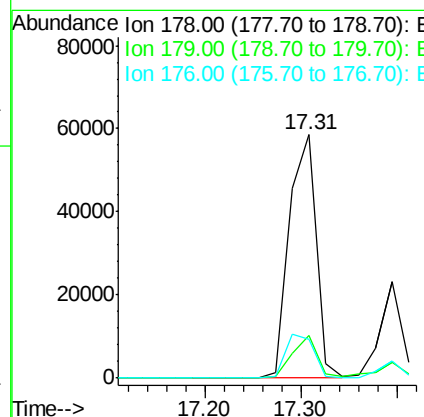
Manual Integrations
 APPROVED

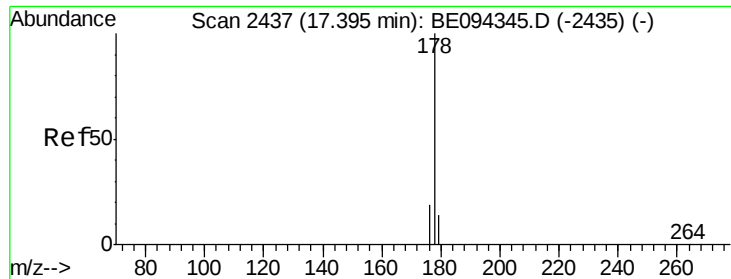
Sohil
 10/16/2017 8:23:27 PM



#12
Phenanthrene
 Concen: 3.47 ng/ul
 RT: 17.31 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BE094350.D
 Acq: 14 Oct 2017 7:38

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.7	18.4	27.6#
176	15.7	13.6	20.4





#13

Anthracene

Concen: 1.14 ng/ul

RT: 17.39 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Instrument :

BNA_E

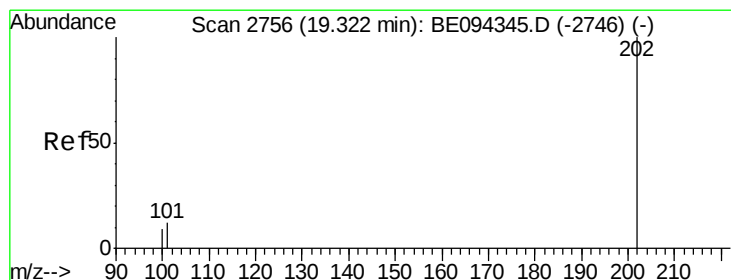
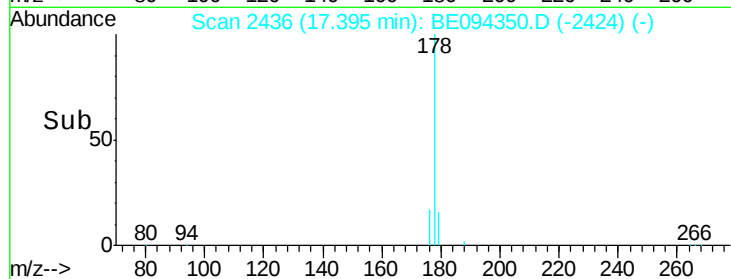
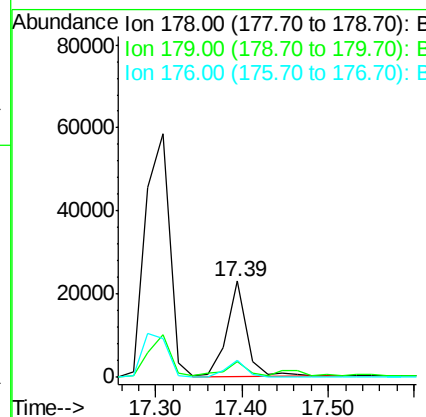
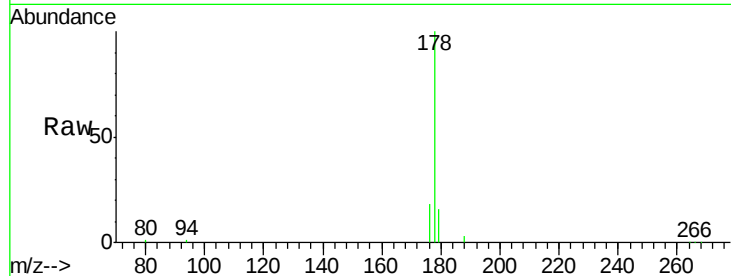
ClientSampleId :

B-57(1-2)-100317DL

Tgt Ion:	178	Resp:	36405
Ion Ratio	Lower	Upper	
178	100		
179	16.4	18.1	27.1#
176	17.5	14.7	22.1

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:27 PM



#15

Fluoranthene

Concen: 9.73 ng/ul

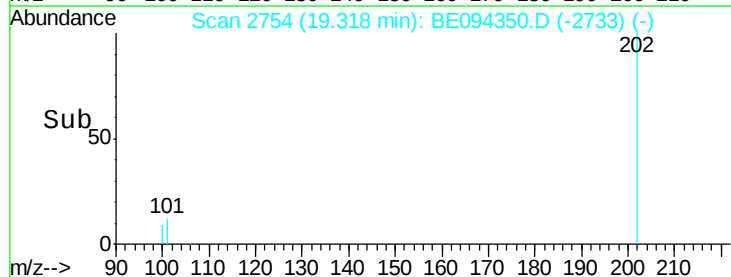
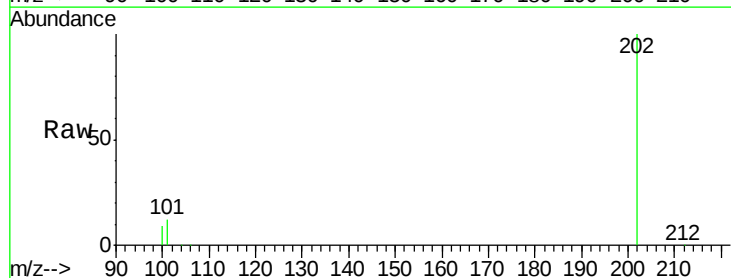
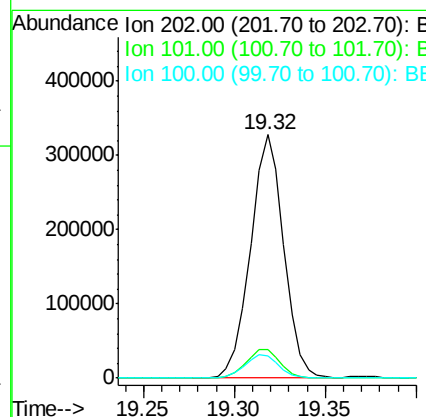
RT: 19.32 min Scan# 2754

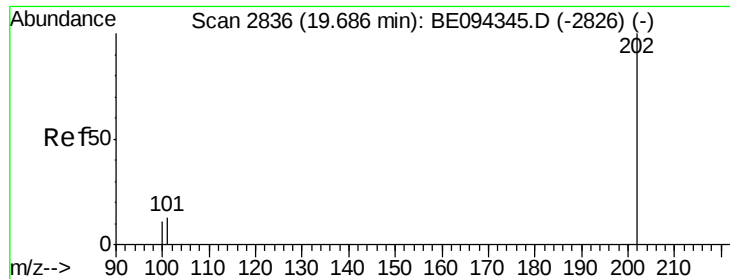
Delta R.T. -0.00 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Tgt Ion:	202	Resp:	418221
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	30.3
100	9.2	0.0	39.5





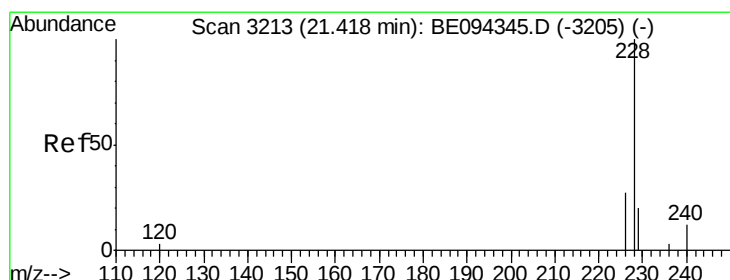
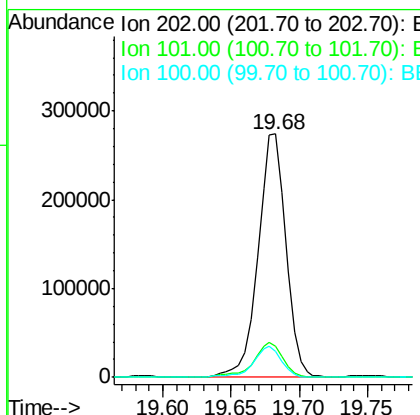
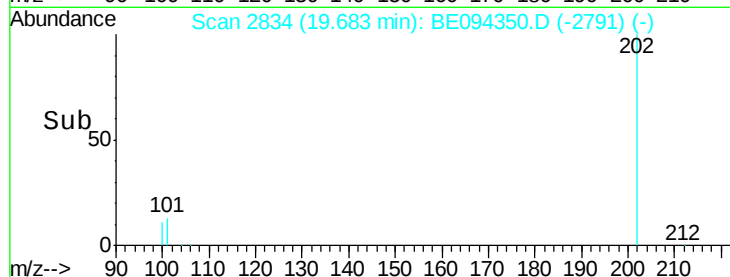
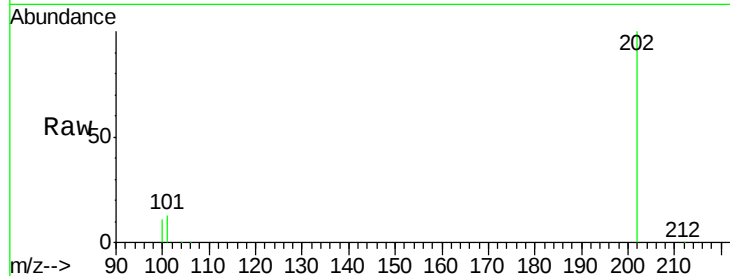
#17
Pyrene
 Concen: 11.88 ng/ul
 RT: 19.68 min Scan# 2834
 Delta R.T. -0.00 min
 Lab File: BE094350.D
 Acq: 14 Oct 2017 7:38

Instrument :
 BNA_E
 ClientSampleId :
 B-57(1-2)-100317DL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	388223		
101	12.9	18.2	27.4#	
100	10.7	15.6	23.4#	

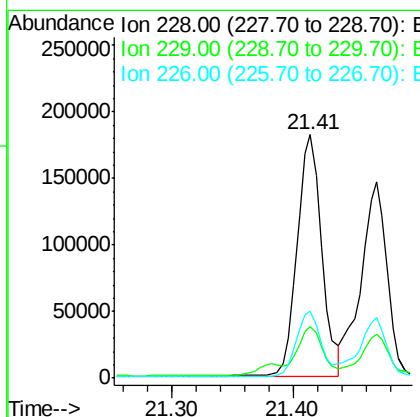
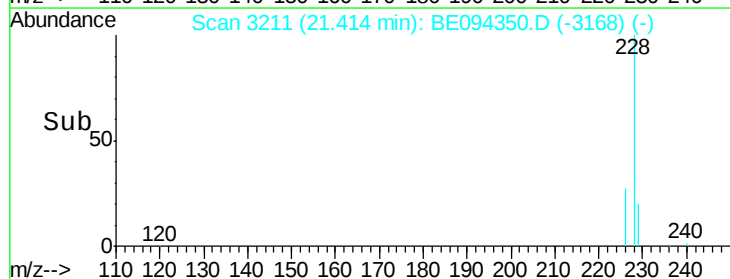
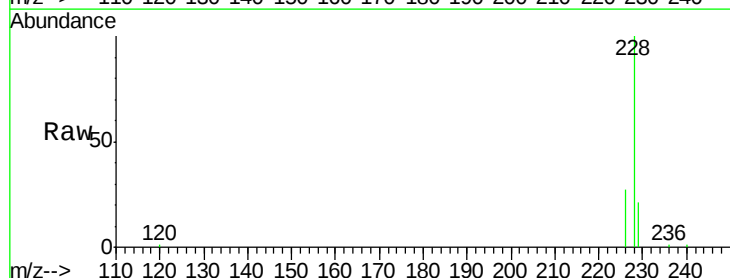
Manual Integrations
 APPROVED

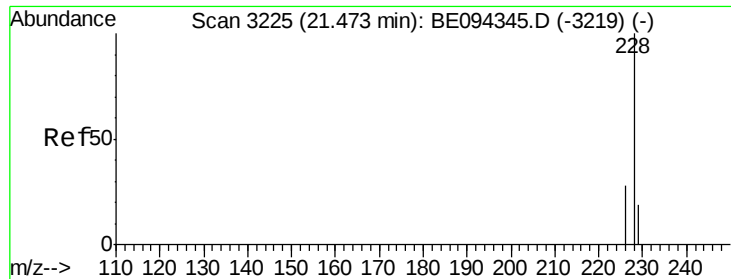
Sohil
 10/16/2017 8:23:27 PM



#18
Benzo(a)anthracene
 Concen: 8.27 ng/ul
 RT: 21.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: BE094350.D
 Acq: 14 Oct 2017 7:38

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	257632		
229	21.2	22.8	34.2#	
226	27.3	17.0	25.6#	





#19

Chrysene

Concen: 6.10 ng/ul

RT: 21.47 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Instrument :

BNA_E

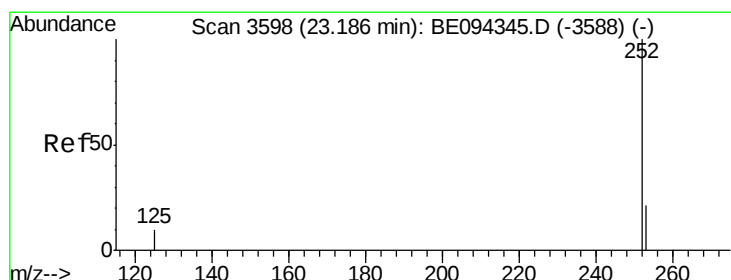
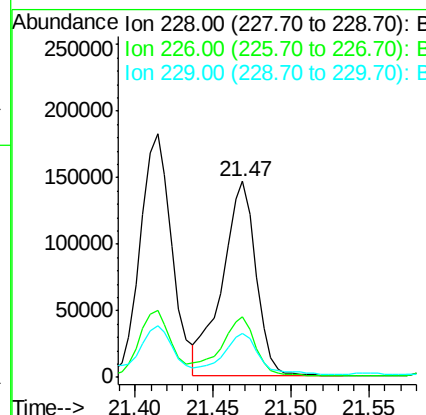
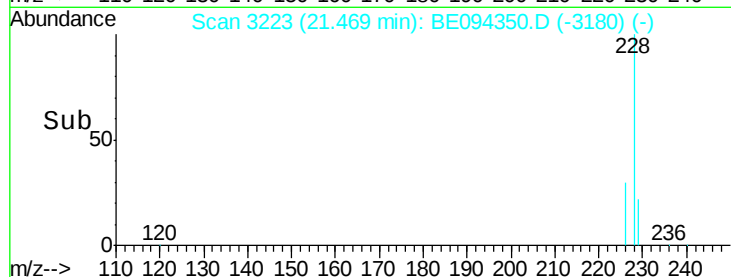
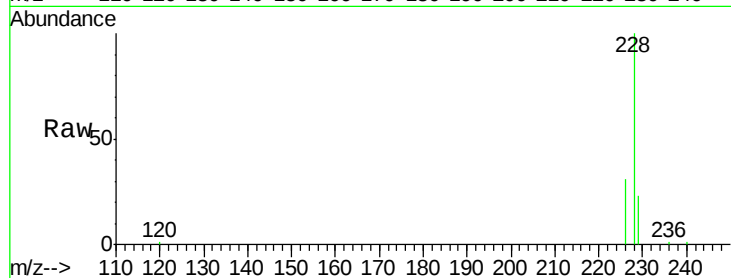
ClientSampleId :

B-57(1-2)-100317DL

Tgt Ion:	228	Resp:	219605
Ion Ratio		Lower	Upper
228	100		
226	30.7	23.4	35.0
229	22.6	17.7	26.5

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:27 PM



#21

Benzo(b)fluoranthene

Concen: 8.61 ng/ul m

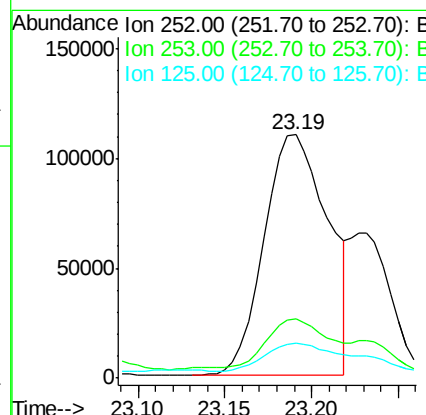
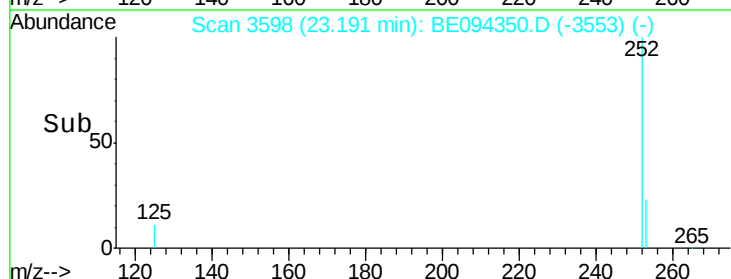
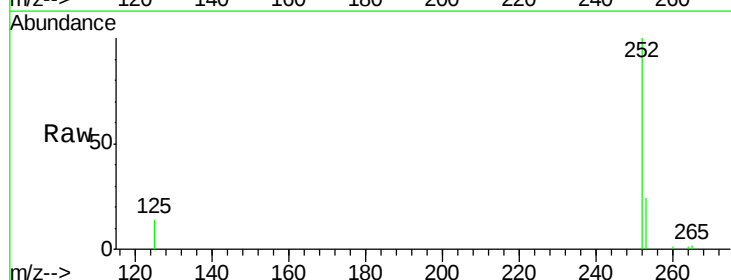
RT: 23.19 min Scan# 3598

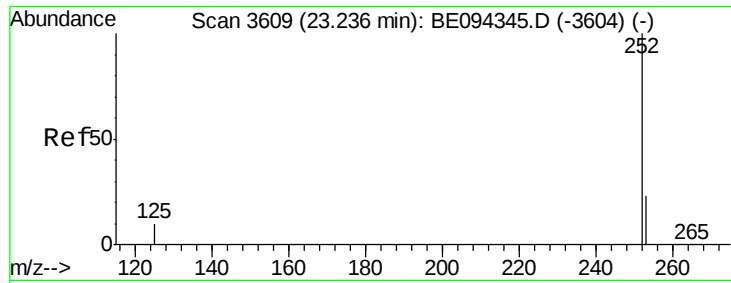
Delta R.T. 0.00 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Tgt Ion:	252	Resp:	281205
Ion Ratio		Lower	Upper
252	100		
253	24.3	0.0	64.2
125	14.1	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 2.84 ng/ul m

RT: 23.23 min Scan# 3606

Delta R.T. -0.01 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Instrument :

BNA_E

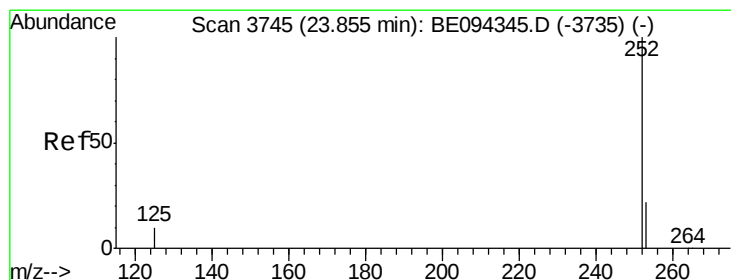
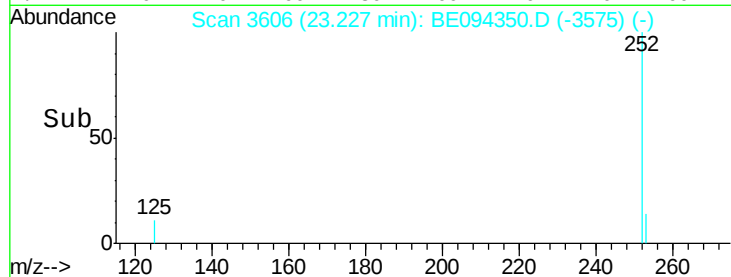
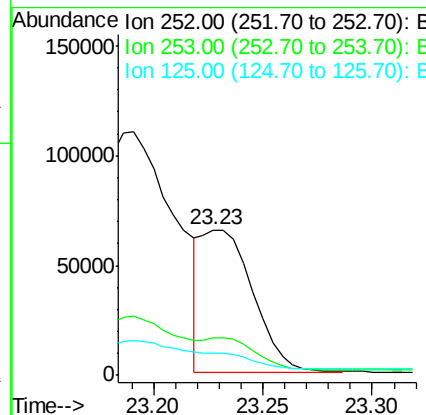
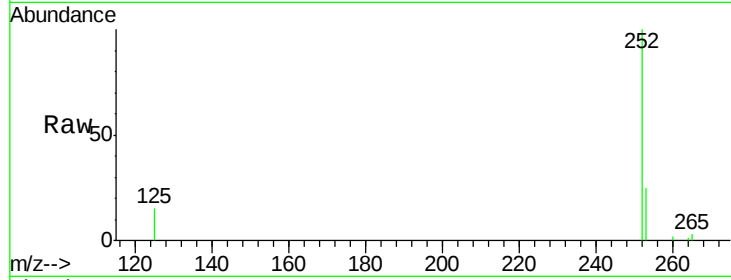
ClientSampleId :

B-57(1-2)-100317DL

Tgt Ion:	252	Resp:	107315
Ion Ratio		Lower	Upper
252	100		
253	25.3	24.5	36.7
125	15.4	13.7	20.5

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:27 PM



#23

Benzo(a)pyrene

Concen: 6.62 ng/ul

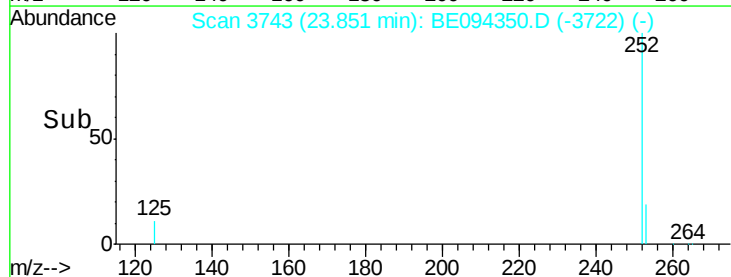
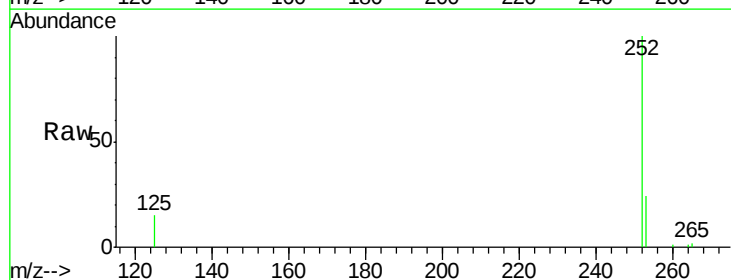
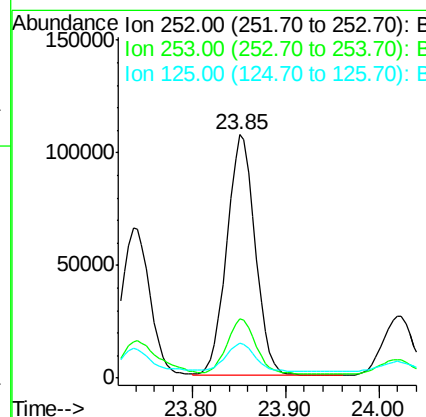
RT: 23.85 min Scan# 3743

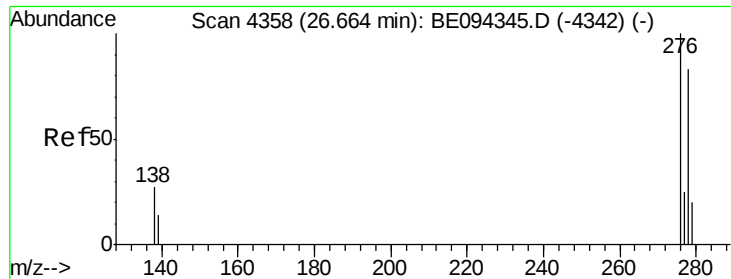
Delta R.T. -0.00 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Tgt Ion:	252	Resp:	224851
Ion Ratio		Lower	Upper
252	100		
253	24.1	28.5	42.7#
125	14.6	18.1	27.1#





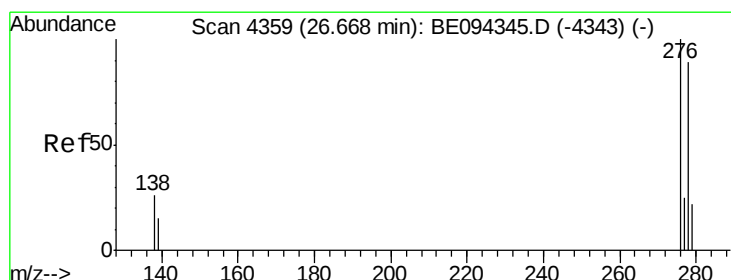
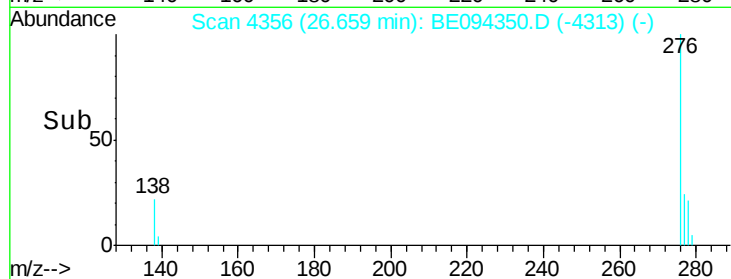
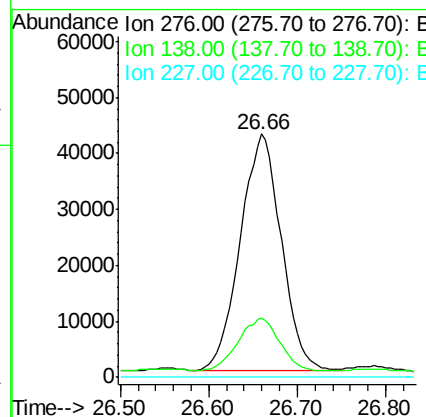
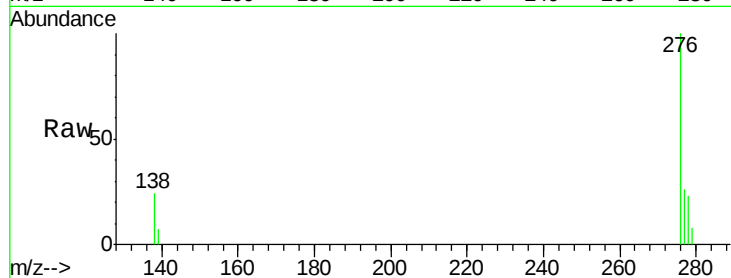
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 3.93 ng/ul
 RT: 26.66 min Scan# 4356
 Delta R.T. -0.00 min
 Lab File: BE094350.D
 Acq: 14 Oct 2017 7:38

Instrument :
 BNA_E
 ClientSampleId :
 B-57(1-2)-100317DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	22.7	28.0	42.0#
227	0.0	8.0	12.0#

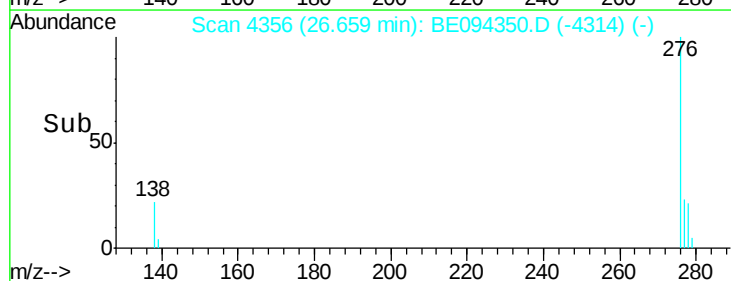
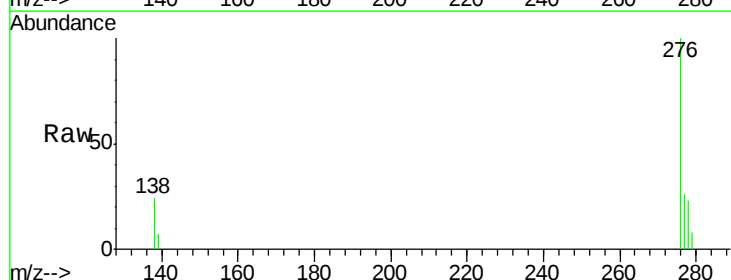
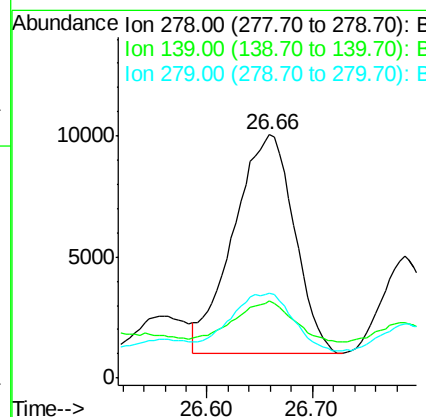
Manual Integrations
 APPROVED

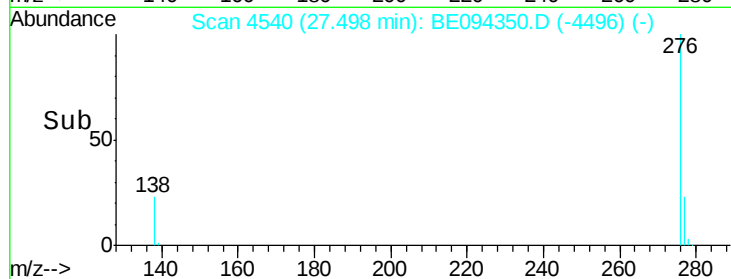
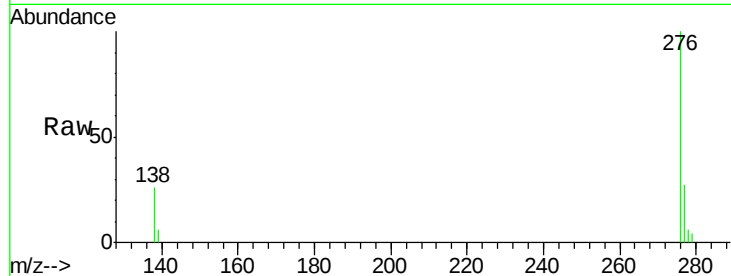
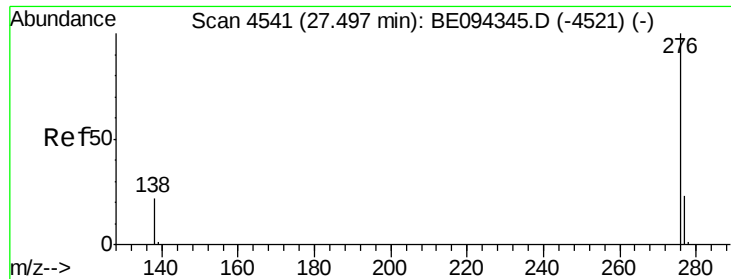
Sohil
 10/16/2017 8:23:27 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.24 ng/ul
 RT: 26.66 min Scan# 4356
 Delta R.T. -0.01 min
 Lab File: BE094350.D
 Acq: 14 Oct 2017 7:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	31.8	17.4	26.0#
279	34.7	25.9	38.9





#26

Benzo(g,h,i)perylene

Concen: 3.57 ng/ul

RT: 27.50 min Scan# 4540

Delta R.T. 0.00 min

Lab File: BE094350.D

Acq: 14 Oct 2017 7:38

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		106981		
138	25.7	21.8	32.8		
277	26.7	20.5	30.7		

Instrument :

BNA_E

ClientSampleId :

B-57(1-2)-100317DL

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:27 PM

