

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101317\
 Data File : BE094343.D
 Acq On : 14 Oct 2017 3:21
 Operator : SJ/JU
 Sample : I5649-08 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 10/16/2017 8:23:14 PM

Quant Time: Oct 14 05:13:04 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 03:57:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1637	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	8308	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	4612	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	9854	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	9412	0.40	ng/ul	0.00
20) Perylene-d12	23.98	264	9992	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	1026	0.08	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	2273	0.07	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.76	128	7857	0.39	ng/ul#	93
5) 2-Methylnaphthalene	12.37	142	2072	0.16	ng/ul	99
7) Acenaphthylene	14.26	152	7105	0.40	ng/ul	99
8) Acenaphthene	14.60	153	5209	0.35	ng/ul	99
9) Fluorene	15.58	166	6498	0.37	ng/ul	96
12) Phenanthrene	17.31	178	231421	8.99	ng/ul#	92
13) Anthracene	17.40	178	74132	2.96	ng/ul#	91
15) Fluoranthene	19.33	202	814765	24.08	ng/ul	84
17) Pyrene	19.69	202	759321	29.00	ng/ul#	83
18) Benzo(a)anthracene	21.42	228	512764	20.54	ng/ul#	88
19) Chrysene	21.47	228	430074	14.92	ng/ul	98
21) Benzo(b)fluoranthene	23.20	252	529870m	19.52	ng/ul	
22) Benzo(k)fluoranthene	23.24	252	207850m	6.62	ng/ul	
23) Benzo(a)pyrene	23.87	252	445028	15.78	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.69	276	269304	9.33	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.68	278	72226	2.98	ng/ul#	90
26) Benzo(g,h,i)perylene	27.53	276	210434	8.46	ng/ul	98

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

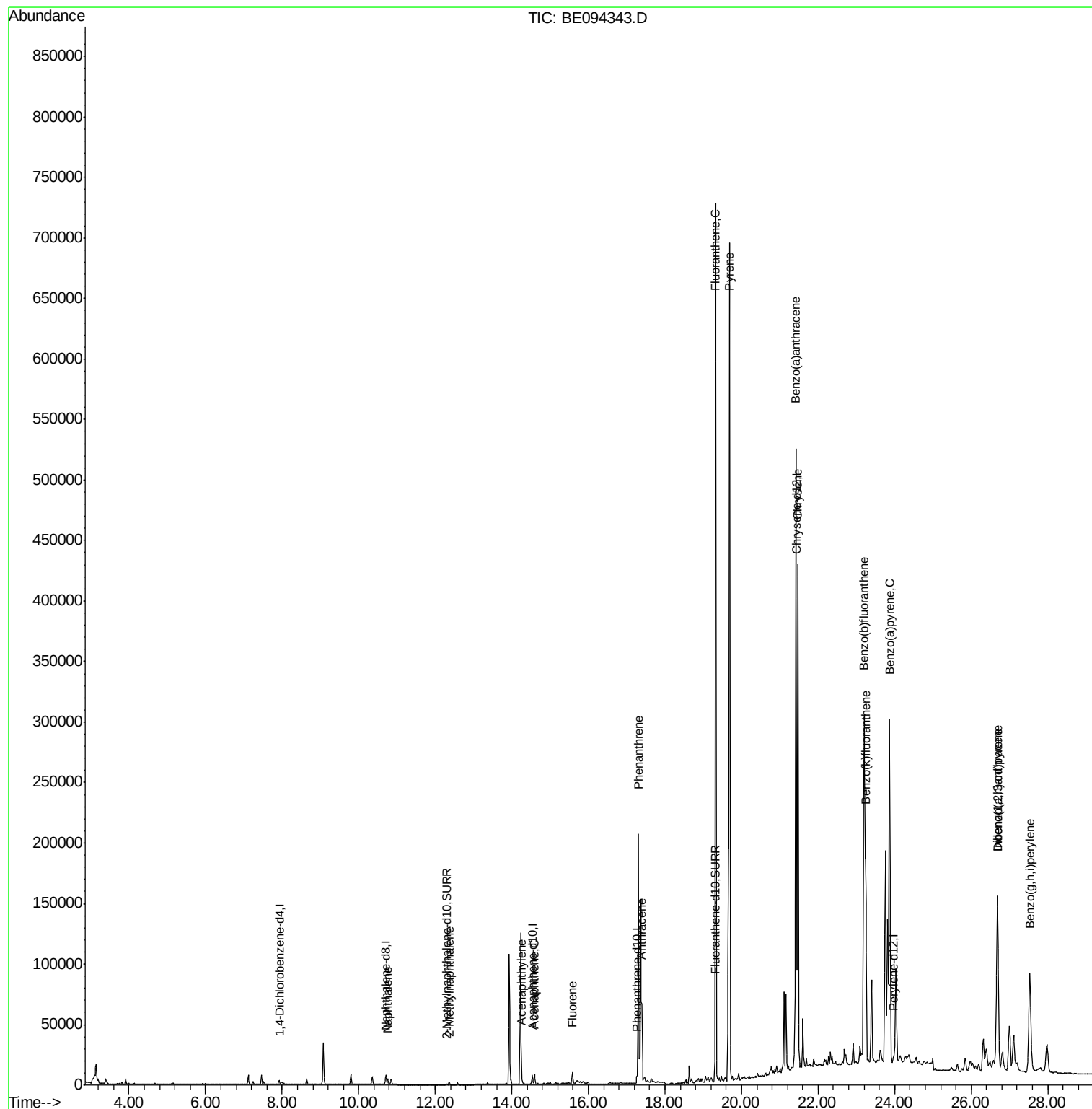
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101317\
Data File : BE094343.D
Acq On : 14 Oct 2017 3:21
Operator : SJ/JU
Sample : I5649-08 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

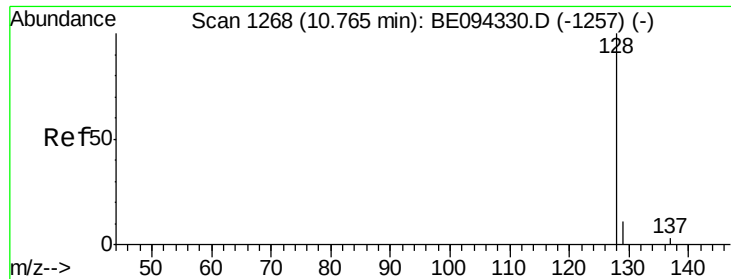
Instrument :
BNA_E
ClientSampleId :
B-57(1-2)-100317

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:14 PM

Quant Time: Oct 14 05:13:04 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 03:57:24 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.76 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BE094343.D

Acq: 14 Oct 2017 3:21

Instrument :

BNA_E

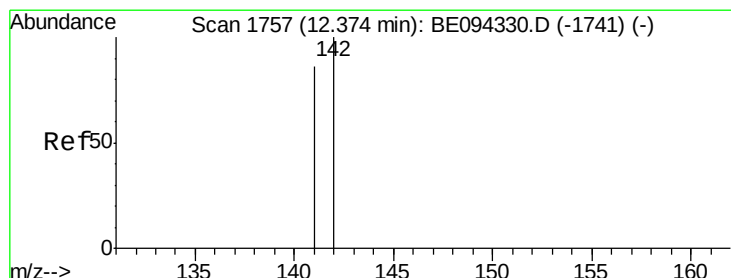
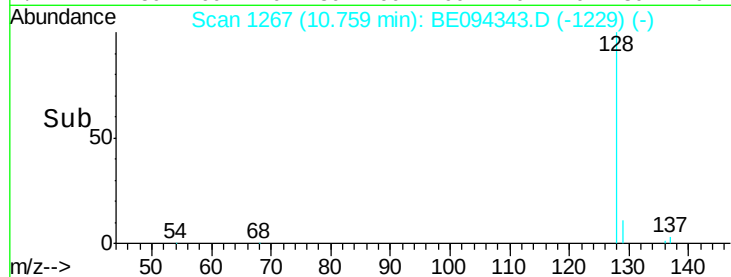
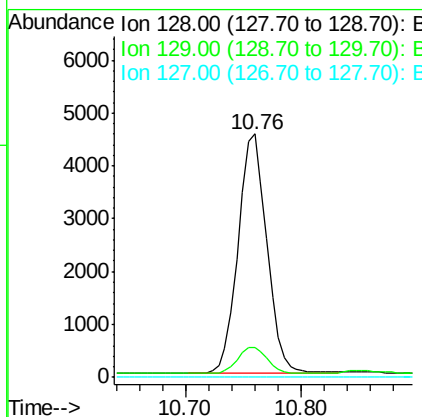
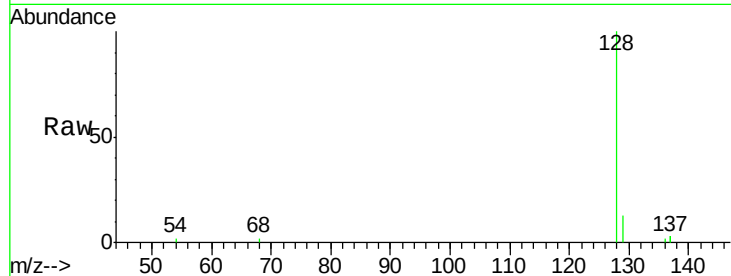
ClientSampleId :

B-57(1-2)-100317

Tgt Ion:	128	Resp:	7857
Ion Ratio	Lower	Upper	
128	100		
129	12.5	11.3	16.9
127	0.0	4.0	6.0#

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:14 PM



#5

2-Methylnaphthalene

Concen: 0.16 ng/ul

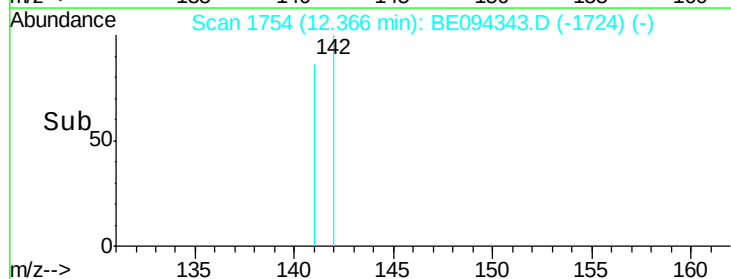
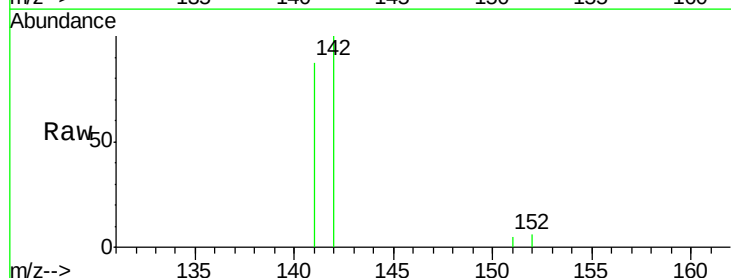
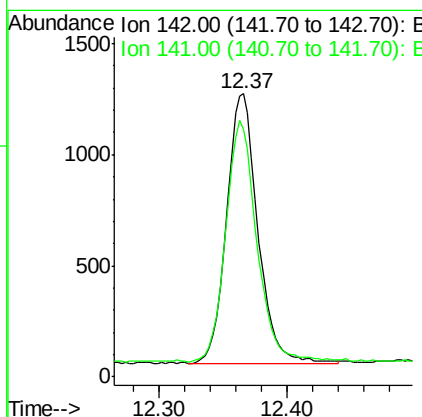
RT: 12.37 min Scan# 1754

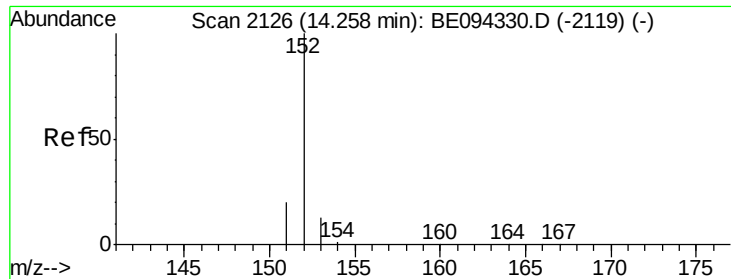
Delta R.T. -0.01 min

Lab File: BE094343.D

Acq: 14 Oct 2017 3:21

Tgt Ion:	142	Resp:	2072
Ion Ratio	Lower	Upper	
142	100		
141	89.8	72.6	108.8





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.26 min Scan# 2126

Delta R.T. 0.00 min

Lab File: BE094343.D

Acq: 14 Oct 2017 3:21

Instrument :

BNA_E

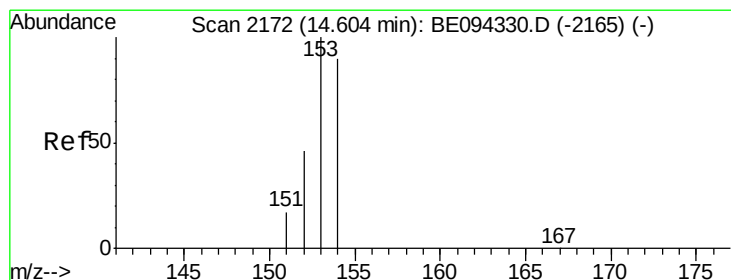
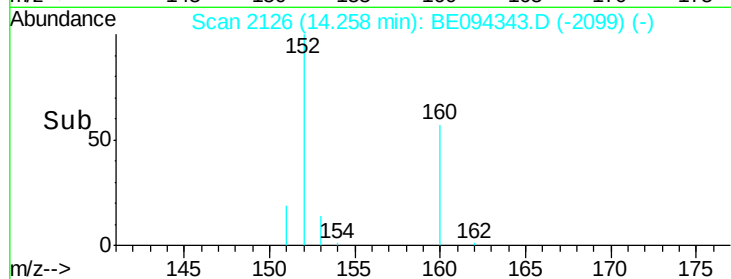
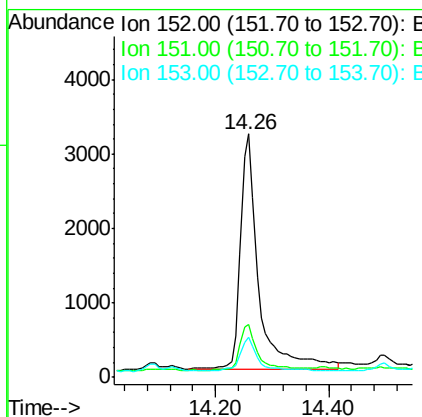
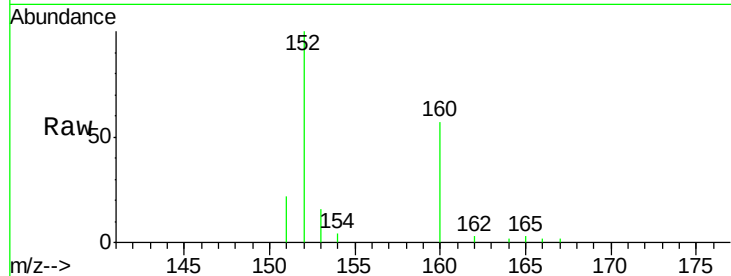
ClientSampleId :

B-57(1-2)-100317

Tgt Ion:	152	Resp:	7105
Ion Ratio	Lower	Upper	
152	100		
151	21.8	17.1	25.7
153	16.2	12.8	19.2

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:14 PM



#8

Acenaphthene

Concen: 0.35 ng/ul

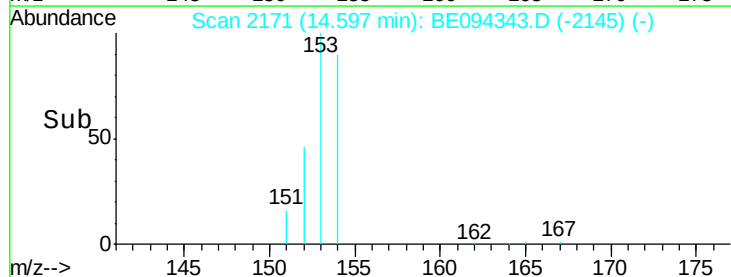
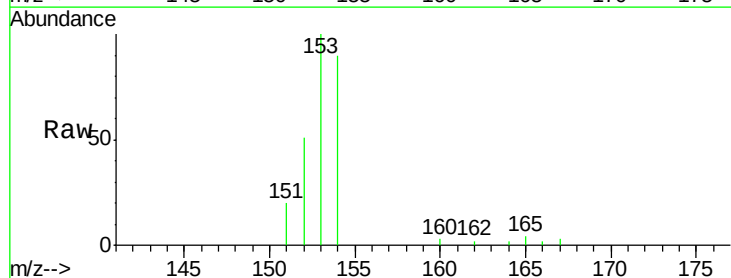
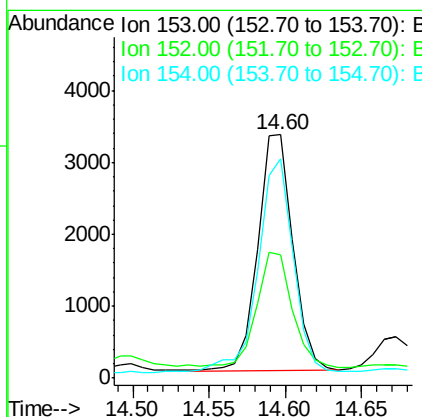
RT: 14.60 min Scan# 2171

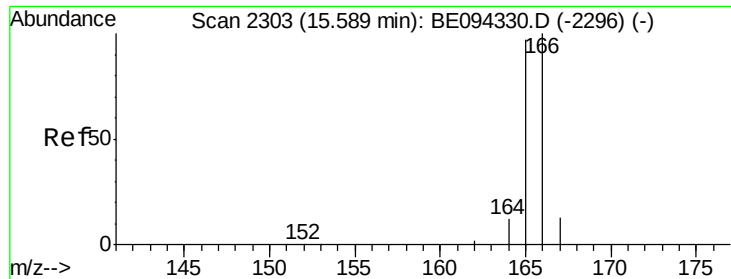
Delta R.T. -0.01 min

Lab File: BE094343.D

Acq: 14 Oct 2017 3:21

Tgt Ion:	153	Resp:	5209
Ion Ratio	Lower	Upper	
153	100		
152	50.5	40.3	60.5
154	90.1	71.4	107.2





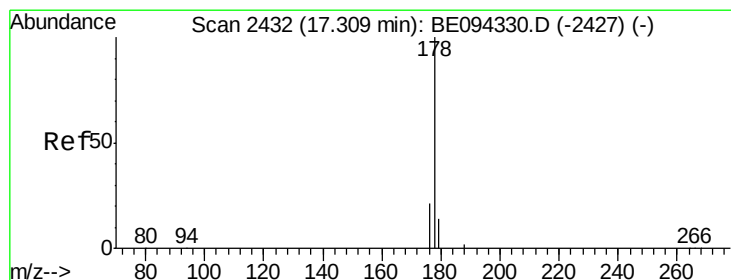
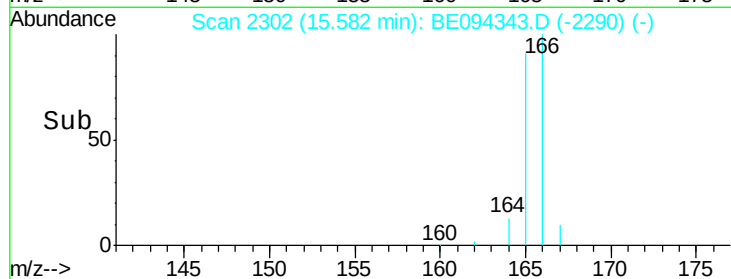
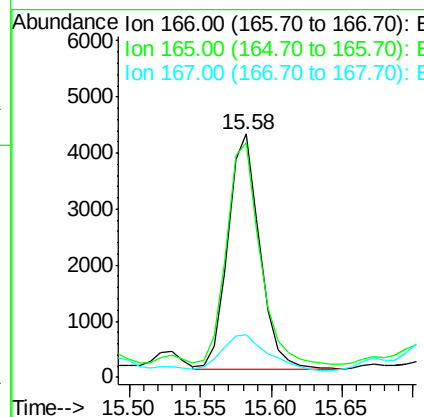
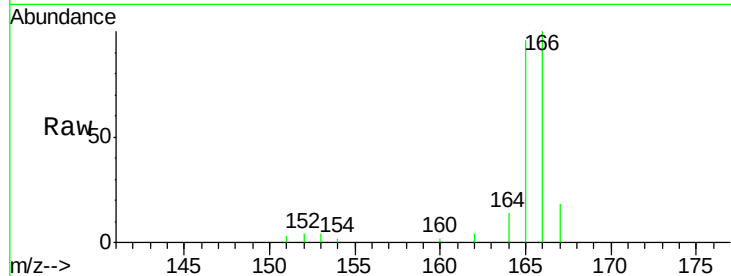
#9
Fluorene
 Concen: 0.37 ng/ul
 RT: 15.58 min Scan# 2302
 Delta R.T. -0.01 min
 Lab File: BE094343.D
 Acq: 14 Oct 2017 3:21

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

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.2	73.4	110.2
167	17.7	14.6	22.0

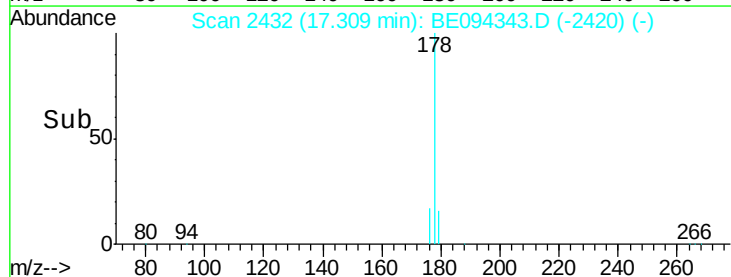
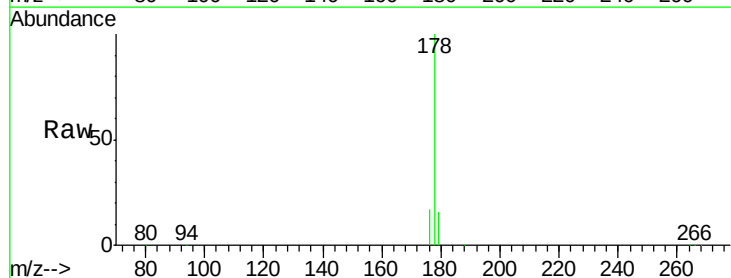
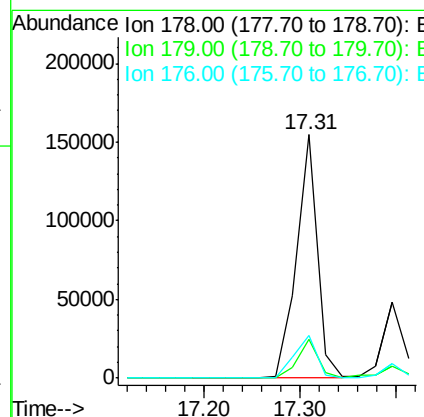
Manual Integrations
 APPROVED

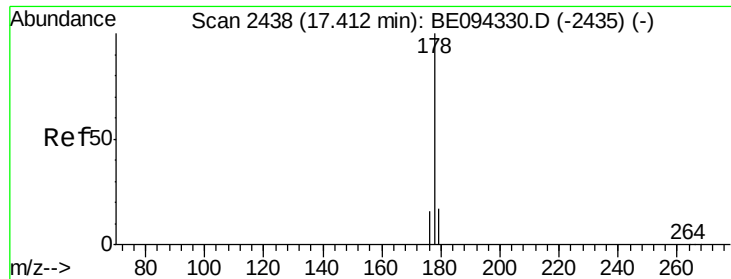
Sohil
 10/16/2017 8:23:14 PM



#12
Phenanthrene
 Concen: 8.99 ng/ul
 RT: 17.31 min Scan# 2432
 Delta R.T. 0.00 min
 Lab File: BE094343.D
 Acq: 14 Oct 2017 3:21

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	18.4	27.6#
176	17.4	13.6	20.4





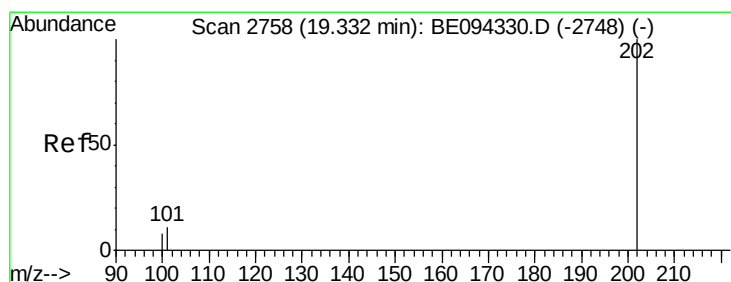
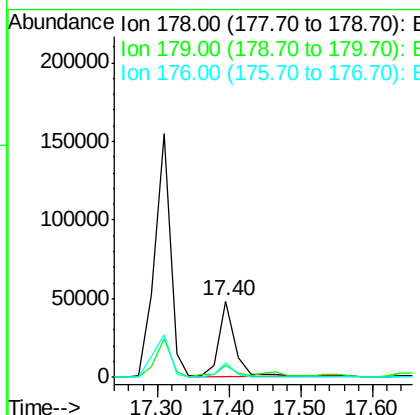
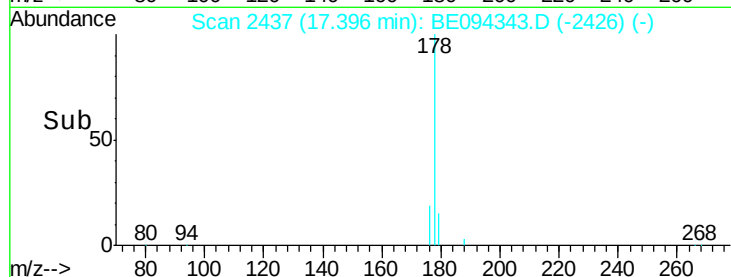
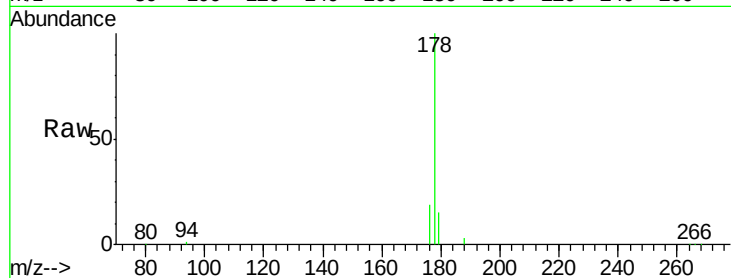
#13
 Anthracene
 Concen: 2.96 ng/ul
 RT: 17.40 min Scan# 2437
 Delta R.T. -0.02 min
 Lab File: BE094343.D
 Acq: 14 Oct 2017 3:21

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

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	18.1	27.1#
176	19.0	14.7	22.1

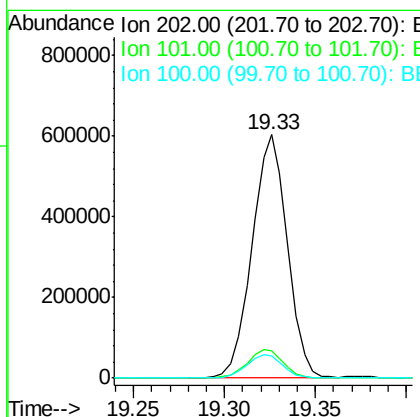
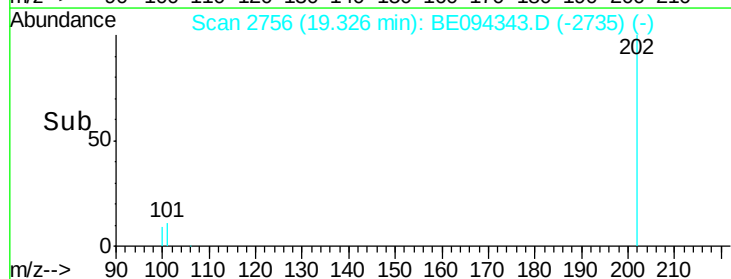
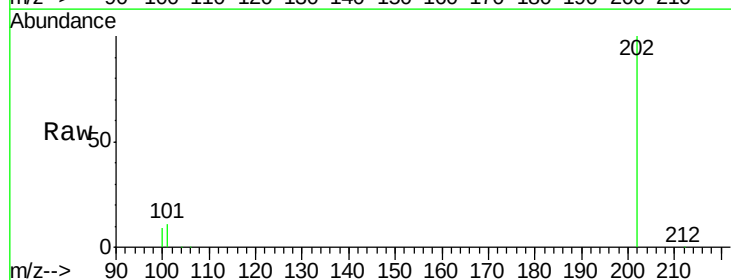
Manual Integrations
 APPROVED

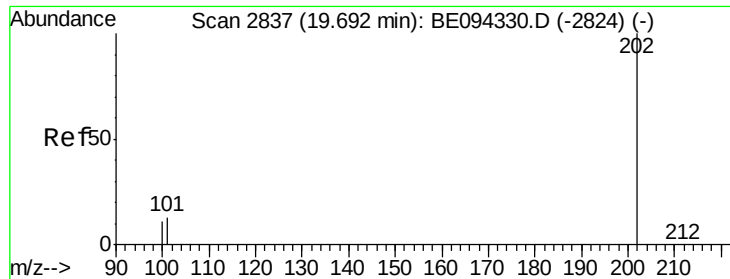
Sohil
 10/16/2017 8:23:14 PM



#15
 Fluoranthene
 Concen: 24.08 ng/ul
 RT: 19.33 min Scan# 2756
 Delta R.T. -0.01 min
 Lab File: BE094343.D
 Acq: 14 Oct 2017 3:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	30.3
100	9.1	0.0	39.5





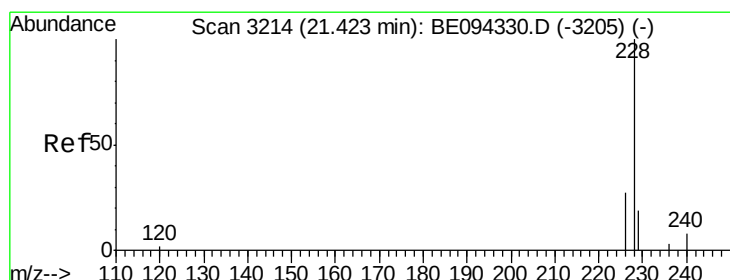
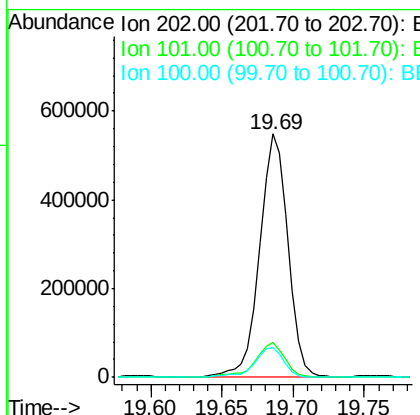
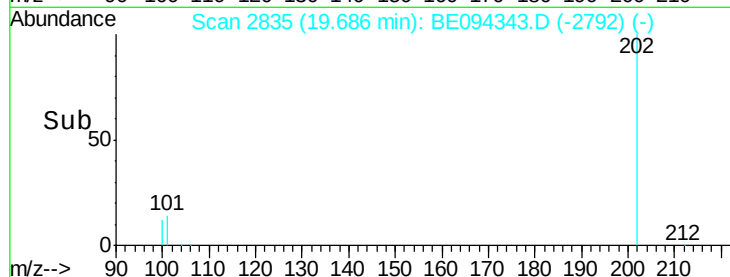
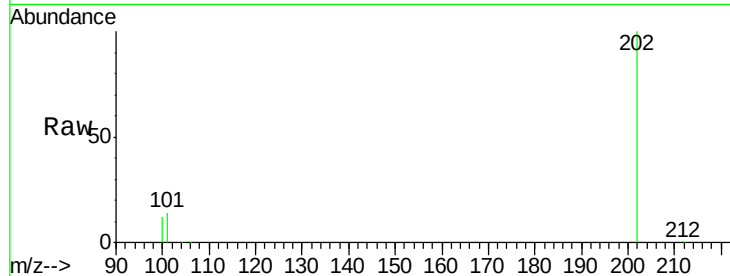
#17
Pyrene
 Concen: 29.00 ng/ul
 RT: 19.69 min Scan# 2835
 Delta R.T. -0.01 min
 Lab File: BE094343.D
 Acq: 14 Oct 2017 3:21

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.2	18.2	27.4#
100	12.1	15.6	23.4#

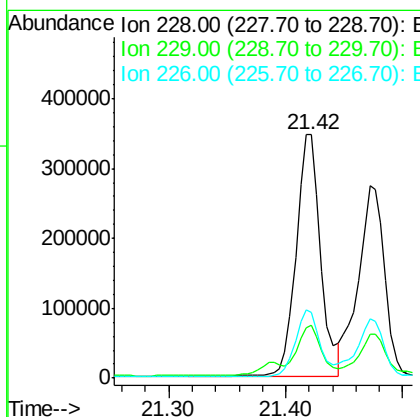
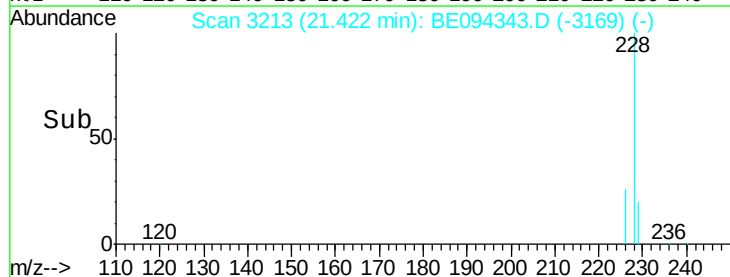
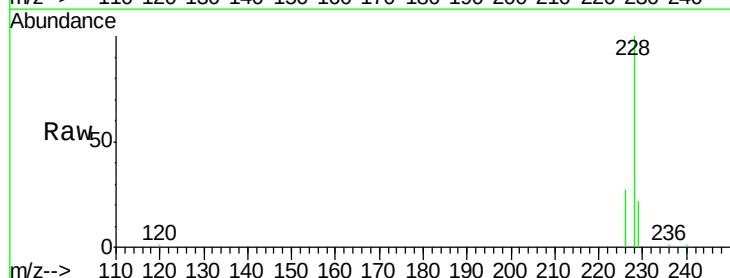
Manual Integrations
 APPROVED

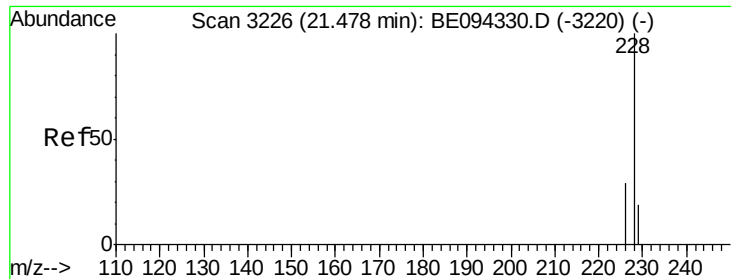
Sohil
 10/16/2017 8:23:14 PM



#18
Benzo(a)anthracene
 Concen: 20.54 ng/ul
 RT: 21.42 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: BE094343.D
 Acq: 14 Oct 2017 3:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.7	22.8	34.2#
226	26.8	17.0	25.6#





#19

Chrysene

Concen: 14.92 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. -0.01 min

Lab File: BE094343.D

Acq: 14 Oct 2017 3:21

Instrument :

BNA_E

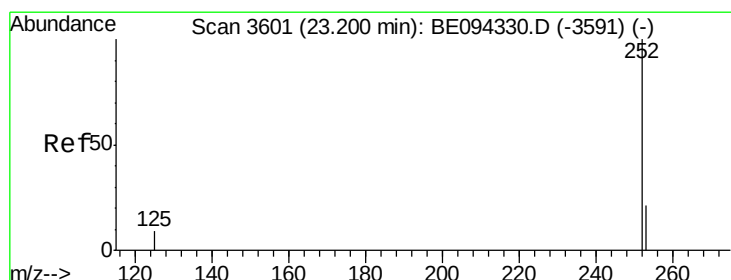
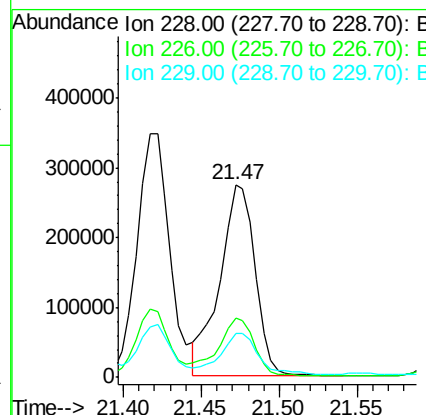
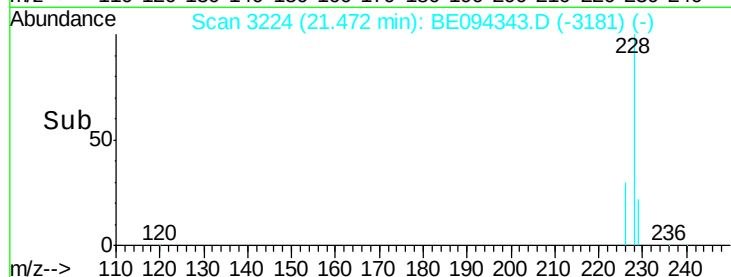
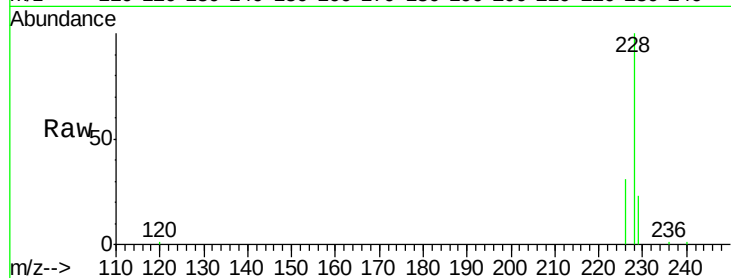
ClientSampleId :

B-57(1-2)-100317

Tgt Ion:	228	Resp:	430074
Ion Ratio	Lower	Upper	
228	100		
226	31.0	23.4	35.0
229	22.6	17.7	26.5

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:14 PM



#21

Benzo(b)fluoranthene

Concen: 19.52 ng/ul m

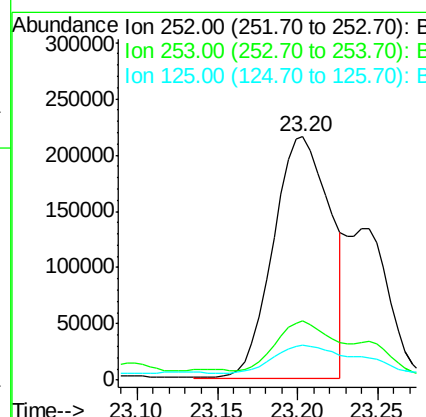
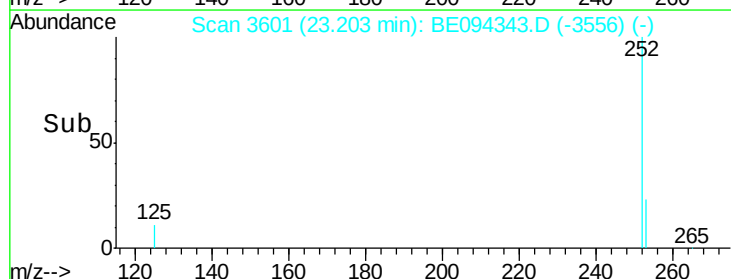
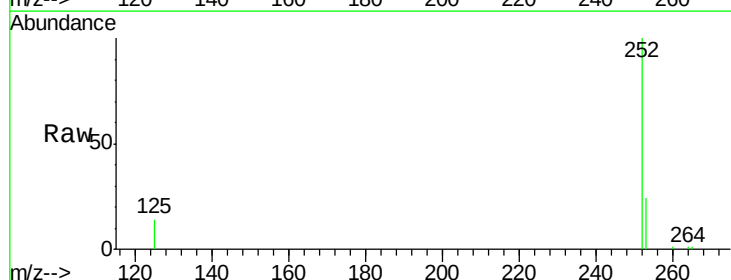
RT: 23.20 min Scan# 3601

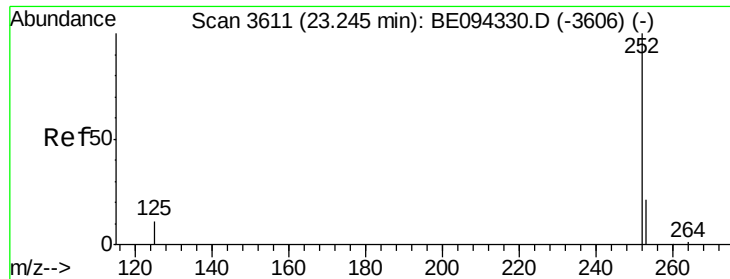
Delta R.T. 0.00 min

Lab File: BE094343.D

Acq: 14 Oct 2017 3:21

Tgt Ion:	252	Resp:	529870
Ion Ratio	Lower	Upper	
252	100		
253	24.2	0.0	64.2
125	14.2	0.0	35.0





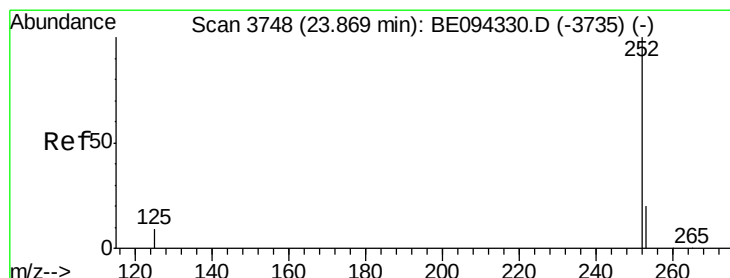
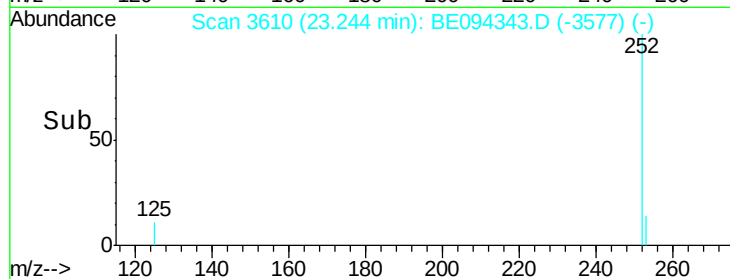
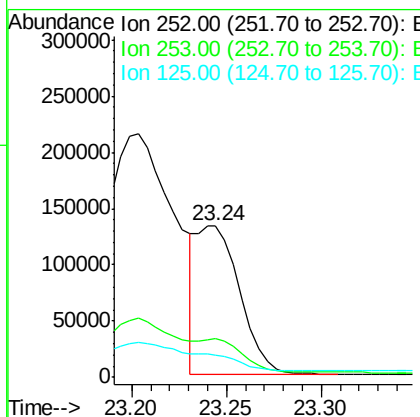
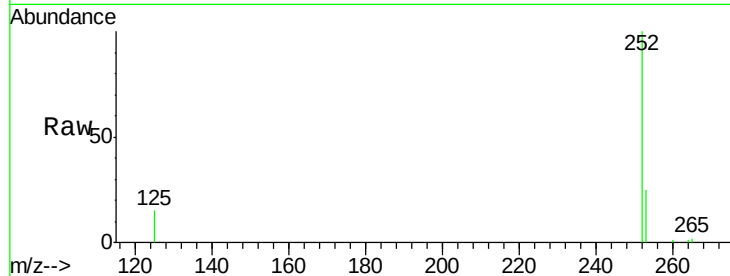
#22
Benzo(k)fluoranthene
Concen: 6.62 ng/ul m
RT: 23.24 min Scan# 3610
Delta R.T. -0.00 min
Lab File: BE094343.D
Acq: 14 Oct 2017 3:21

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

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	207850		
253	25.3	24.5	36.7	
125	15.0	13.7	20.5	

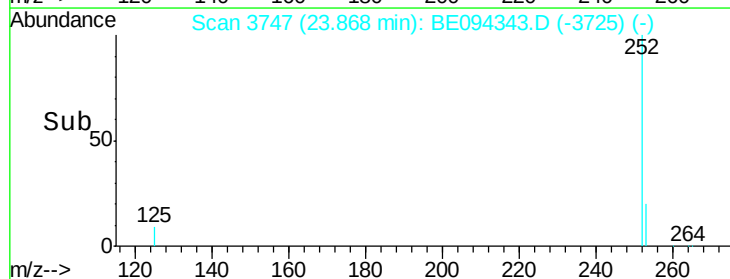
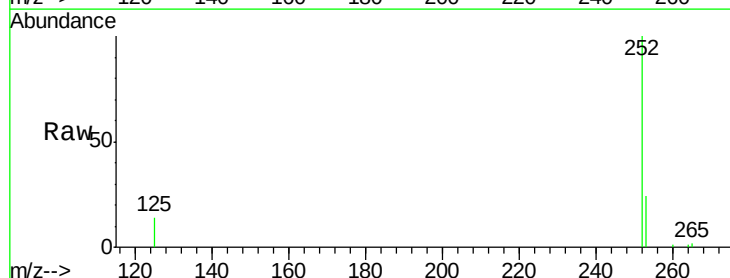
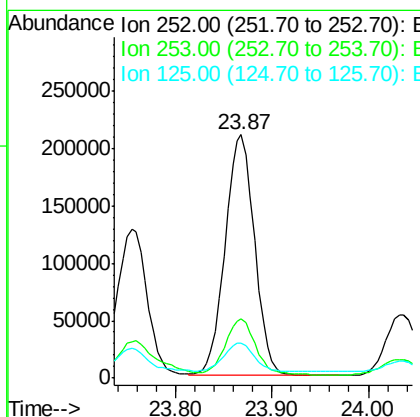
Manual Integrations
APPROVED

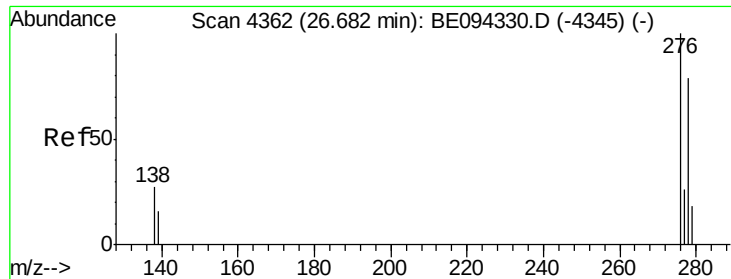
Sohil
10/16/2017 8:23:14 PM



#23
Benzo(a)pyrene
Concen: 15.78 ng/ul
RT: 23.87 min Scan# 3747
Delta R.T. -0.00 min
Lab File: BE094343.D
Acq: 14 Oct 2017 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	445028		
253	24.2	28.5	42.7#	
125	14.5	18.1	27.1#	





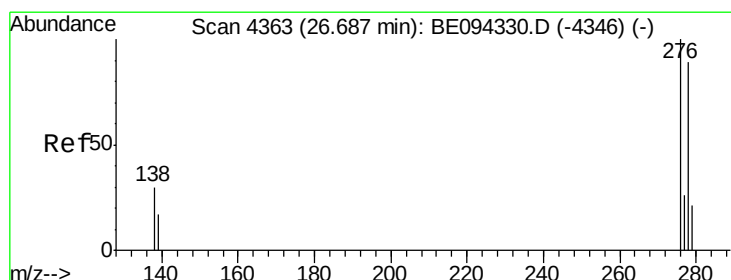
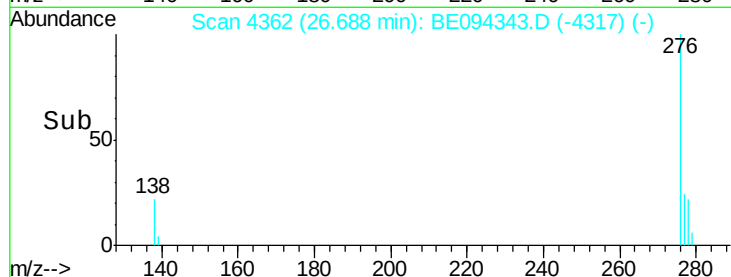
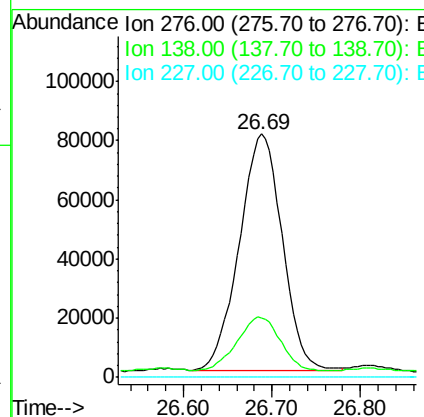
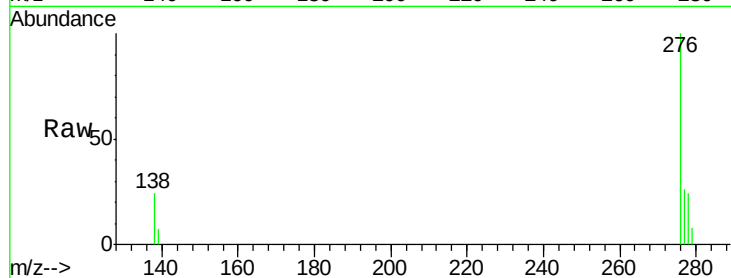
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 9.33 ng/ul
 RT: 26.69 min Scan# 4362
 Delta R.T. 0.01 min
 Lab File: BE094343.D
 Acq: 14 Oct 2017 3:21

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	22.9	28.0	42.0#
227	0.0	8.0	12.0#

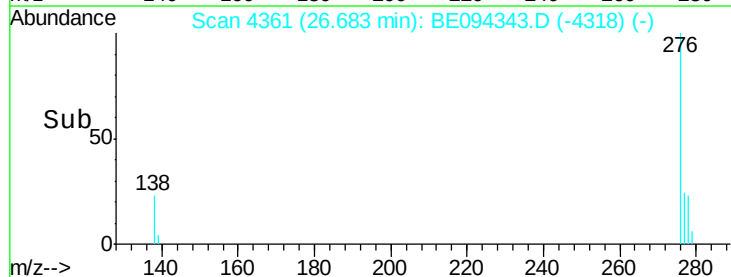
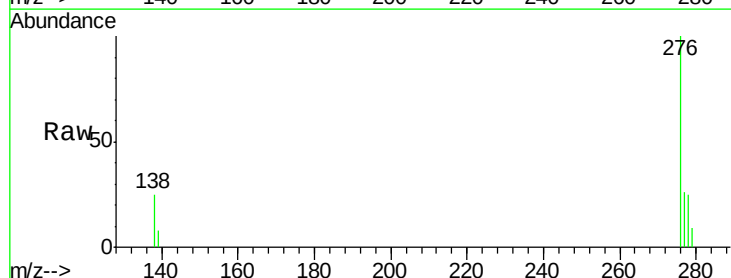
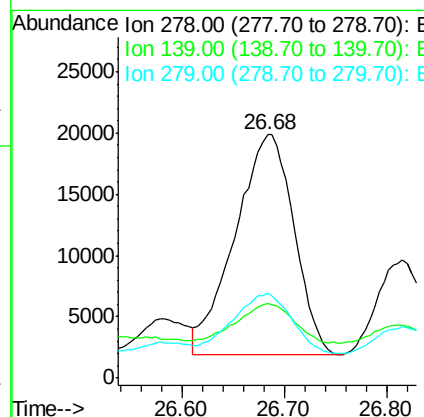
Manual Integrations
 APPROVED

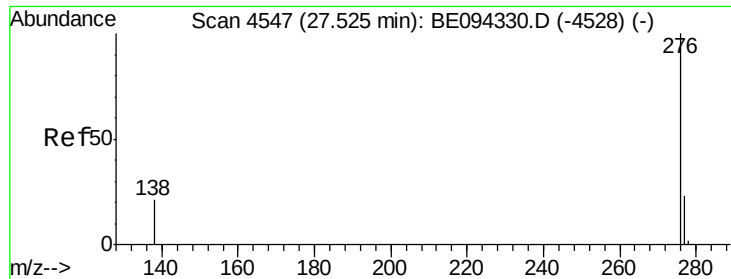
Sohil
 10/16/2017 8:23:14 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 2.98 ng/ul
 RT: 26.68 min Scan# 4361
 Delta R.T. -0.00 min
 Lab File: BE094343.D
 Acq: 14 Oct 2017 3:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	30.6	17.4	26.0#
279	34.9	25.9	38.9





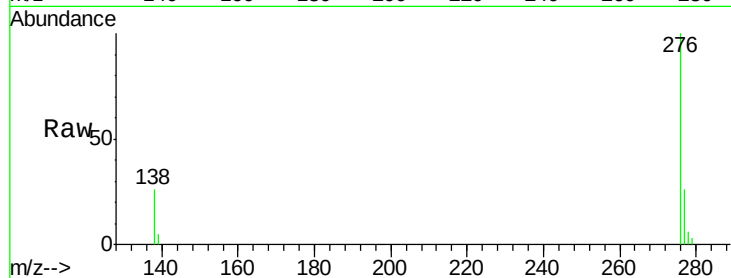
#26
Benzo(g,h,i)perylene
Concen: 8.46 ng/ul
RT: 27.53 min Scan# 4547
Delta R.T. 0.01 min
Lab File: BE094343.D
Acq: 14 Oct 2017 3:21

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

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	26.3	21.8	32.8
277	26.4	20.5	30.7

Manual Integrations
APPROVED

Sohil
10/16/2017 8:23:14 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

