

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110617\
 Data File : BE094766.D
 Acq On : 6 Nov 2017 22:49
 Operator : SJ/JU
 Sample : I6096-07 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP-7

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:42:33 PM

Quant Time: Nov 07 01:52:26 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 07 01:23:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1440	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	8486	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.52	164	4767	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10603	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	10729	0.40	ng/ul	0.00
20) Perylene-d12	23.98	264	10893	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	484	0.04	ng/ul	-0.01
14) Fluoranthene-d10	19.29	212	1113	0.04	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.74	128	5556	0.268	ng/ul#	94
5) 2-Methylnaphthalene	12.36	142	1171	0.081	ng/ul	97
7) Acenaphthylene	14.24	152	17209	0.798	ng/ul	96
8) Acenaphthene	14.58	153	1149	0.074	ng/ul#	92
9) Fluorene	15.57	166	1708	0.098	ng/ul	92
12) Phenanthrene	17.29	178	44587m	1.592	ng/ul	
13) Anthracene	17.39	178	12778	0.462	ng/ul	97
15) Fluoranthene	19.31	202	134808	4.164	ng/ul	84
17) Pyrene	19.68	202	151524	4.568	ng/ul#	78
18) Benzo(a)anthracene	21.41	228	91466	2.982	ng/ul#	89
19) Chrysene	21.47	228	114859	3.623	ng/ul	95
21) Benzo(b)fluoranthene	23.19	252	236015m	7.702	ng/ul	
22) Benzo(k)fluoranthene	23.22	252	79986m	2.436	ng/ul	
23) Benzo(a)pyrene	23.86	252	161792	5.282	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.69	276	100804	3.181	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.68	278	24135	0.904	ng/ul#	90
26) Benzo(g,h,i)perylene	27.53	276	80733	3.172	ng/ul	95

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

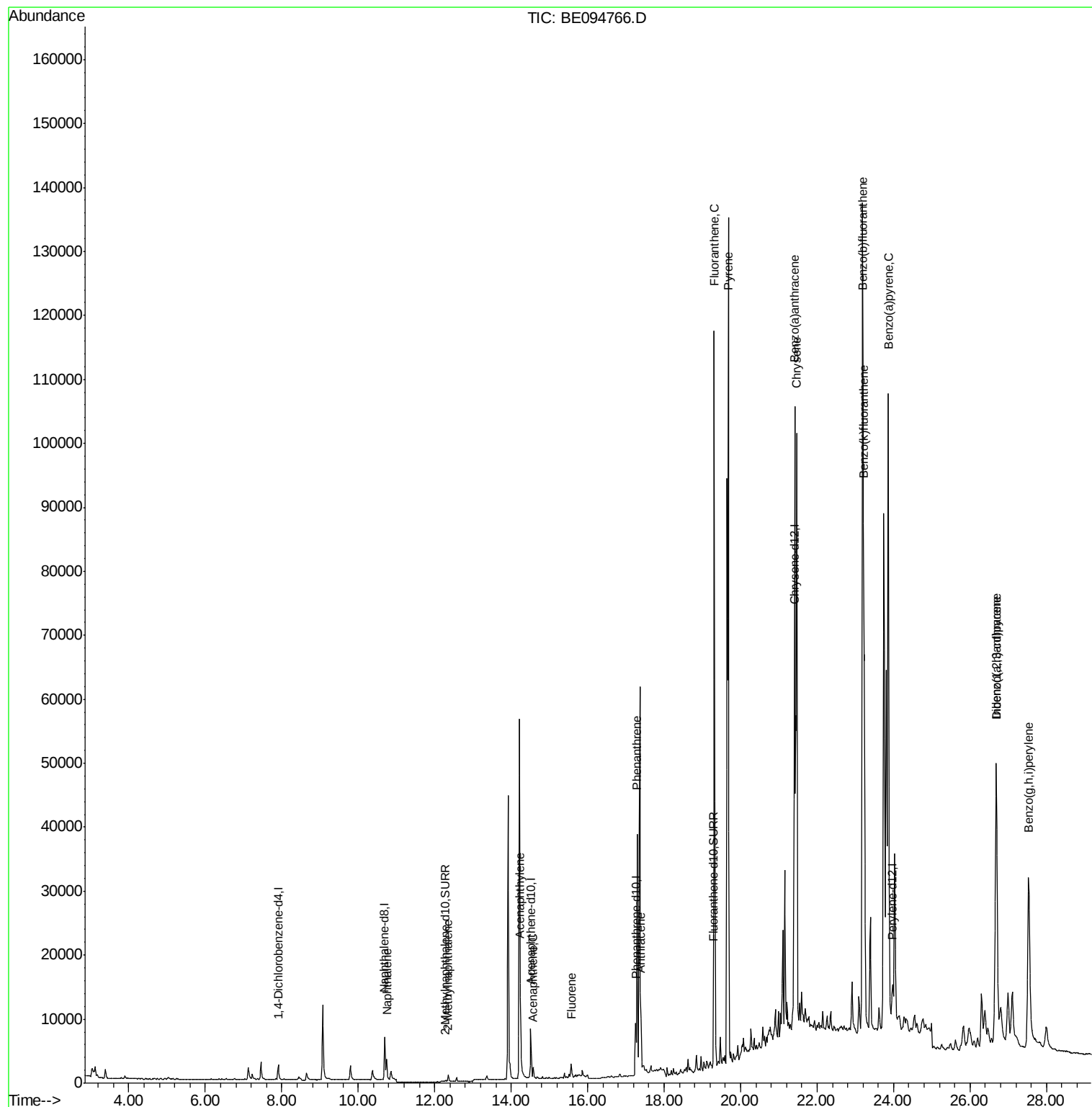
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110617\
Data File : BE094766.D
Acq On : 6 Nov 2017 22:49
Operator : SJ/JU
Sample : I6096-07 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

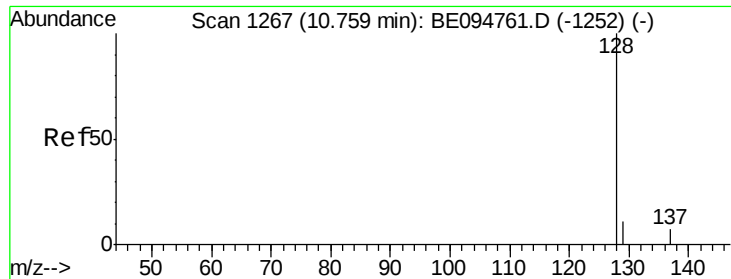
Instrument :
BNA_E
ClientSampleId :
DUP-7

Manual Integrations
APPROVED

Sohil
11/7/2017 5:42:33 PM

Quant Time: Nov 07 01:52:26 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 07 01:23:46 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.268 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE094766.D

Acq: 6 Nov 2017 22:49

Instrument :

BNA_E

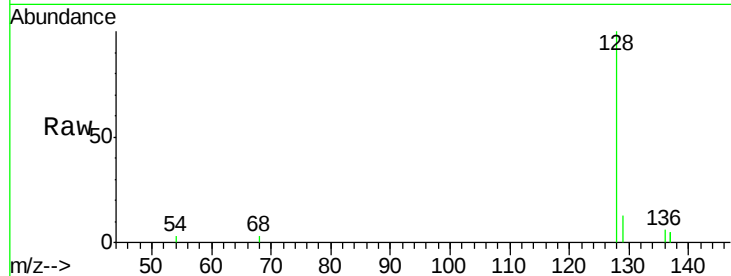
ClientSampleId :

DUP-7

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.9	11.3	16.9
127	0.0	4.0	6.0

Manual Integrations
APPROVED

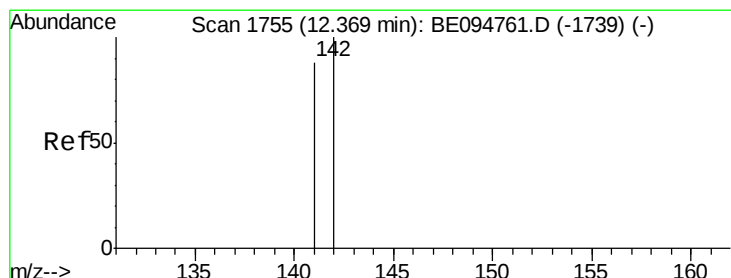
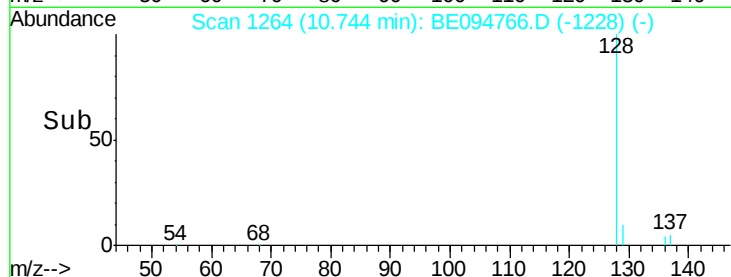
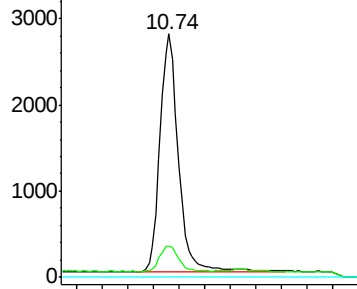
Sohil
11/7/2017 5:42:33 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.081 ng/ul

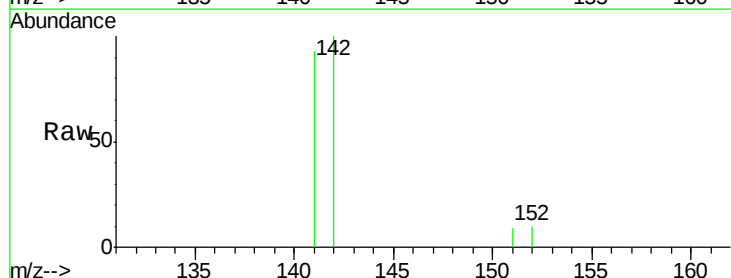
RT: 12.36 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BE094766.D

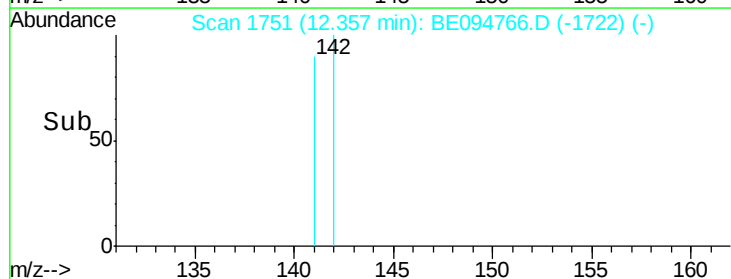
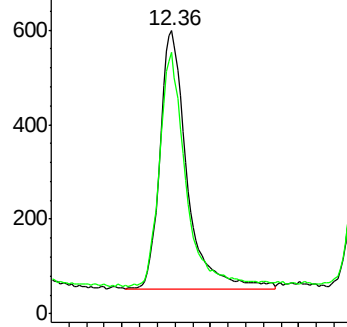
Acq: 6 Nov 2017 22:49

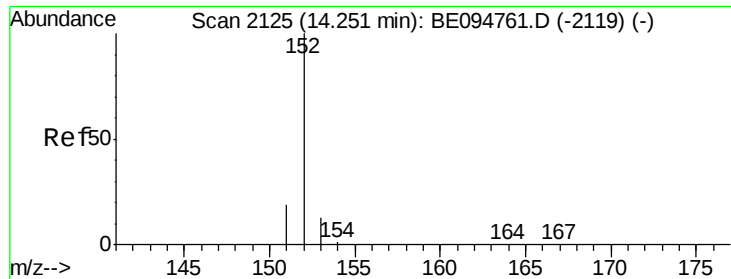
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.2	72.6	108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.798 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094766.D

Acq: 6 Nov 2017 22:49

Instrument :

BNA_E

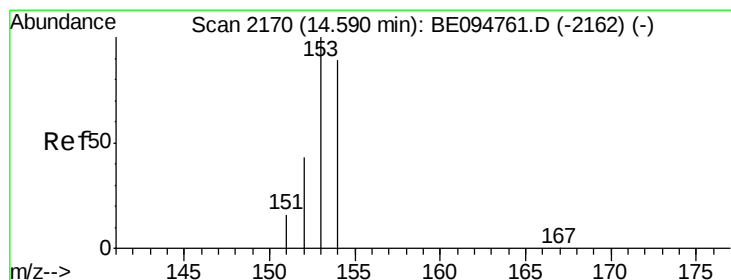
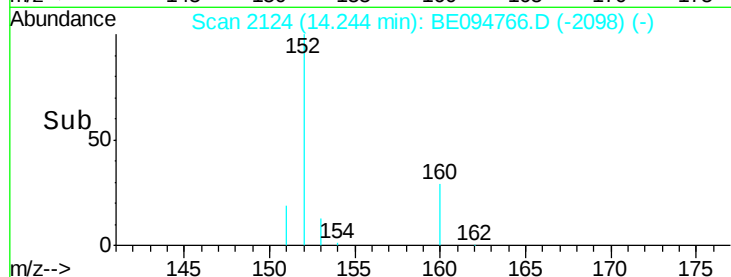
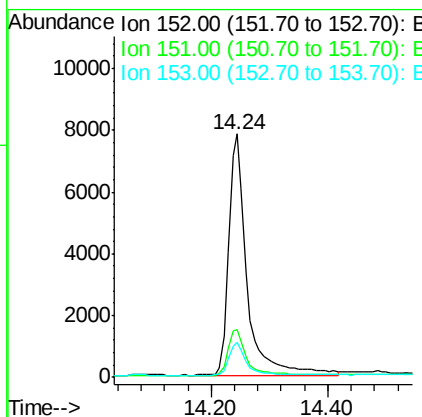
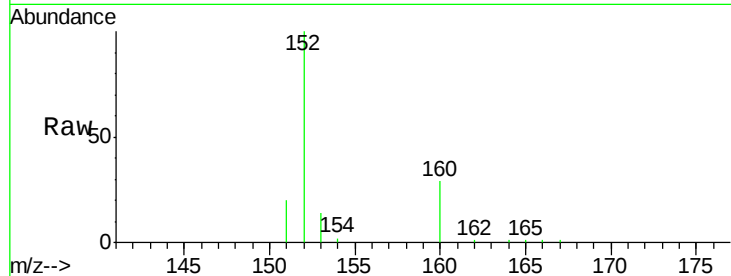
ClientSampled :

DUP-7

Tgt Ion:	152	Resp:	17209
Ion Ratio	Lower	Upper	
152	100		
151	19.9	17.1	25.7
153	14.2	12.8	19.2

Manual Integrations
APPROVED

Sohil
11/7/2017 5:42:33 PM



#8

Acenaphthene

Concen: 0.074 ng/ul

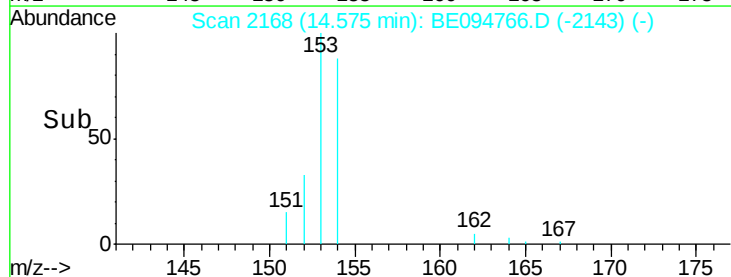
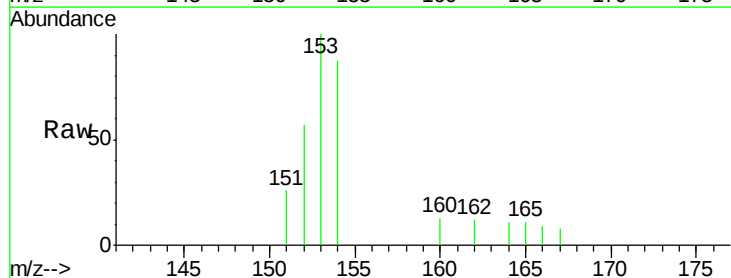
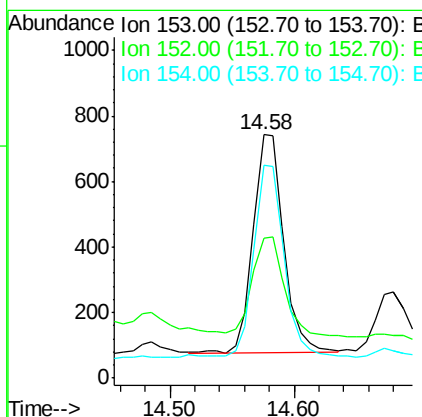
RT: 14.58 min Scan# 2168

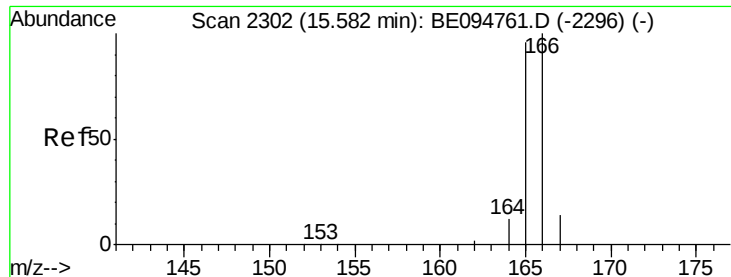
Delta R.T. -0.01 min

Lab File: BE094766.D

Acq: 6 Nov 2017 22:49

Tgt Ion:	153	Resp:	1149
Ion Ratio	Lower	Upper	
153	100		
152	57.5	36.0	54.0#
154	87.5	72.0	108.0





#9

Fluorene

Concen: 0.098 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094766.D

Acq: 6 Nov 2017 22:49

Instrument :

BNA_E

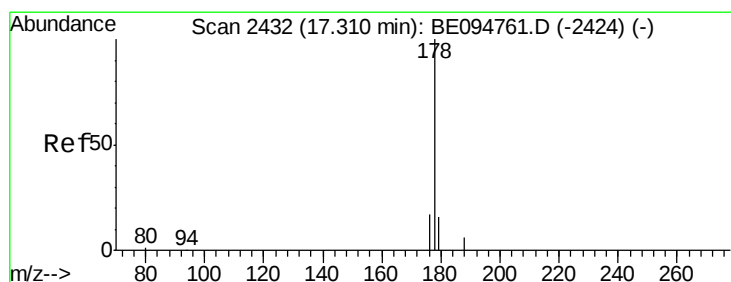
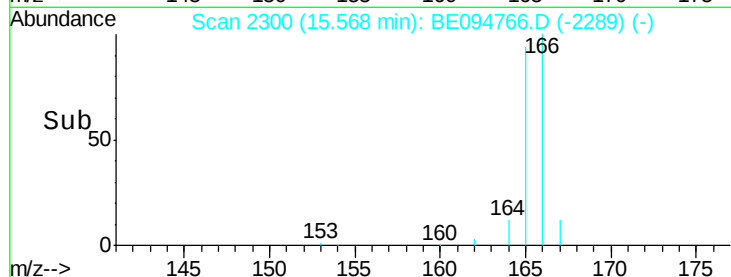
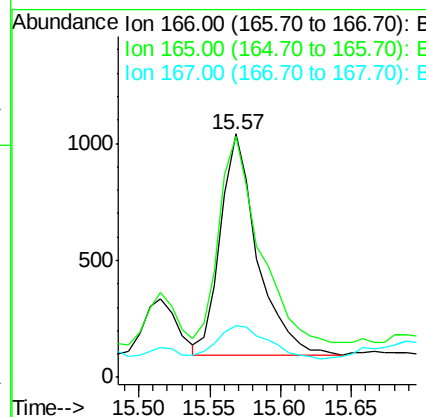
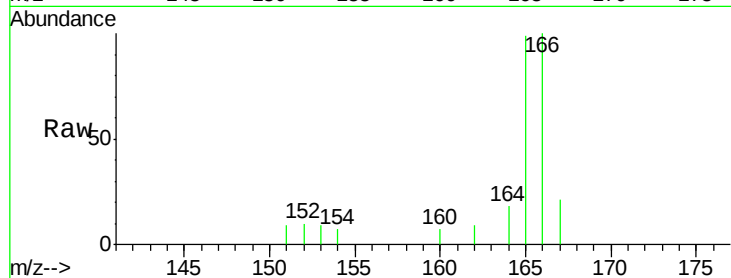
ClientSampled :

DUP-7

Tgt Ion:	166	Resp:	1708
Ion Ratio	Lower	Upper	
166	100		
165	99.1	73.4	110.2
167	21.3	14.6	22.0

Manual Integrations
APPROVED

Sohil
11/7/2017 5:42:33 PM



#12

Phenanthrene

Concen: 1.592 ng/ul m

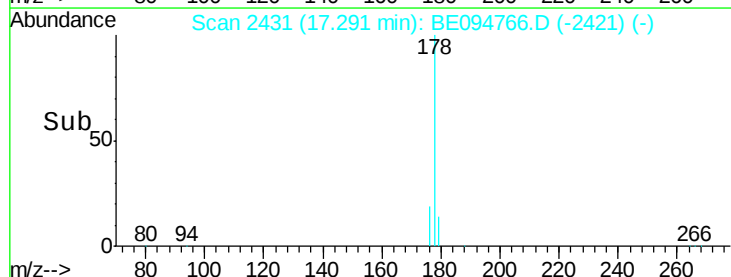
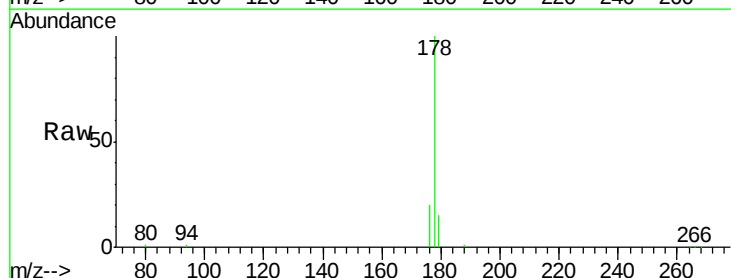
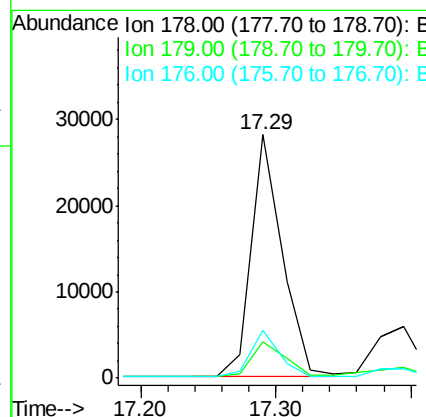
RT: 17.29 min Scan# 2431

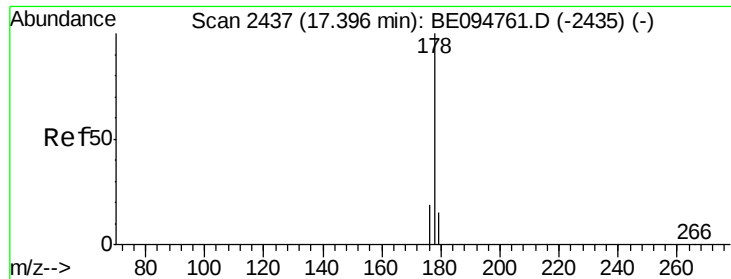
Delta R.T. -0.02 min

Lab File: BE094766.D

Acq: 6 Nov 2017 22:49

Tgt Ion:	178	Resp:	44587
Ion Ratio	Lower	Upper	
178	100		
179	14.8	18.4	27.6#
176	19.8	13.6	20.4





#13

Anthracene

Concen: 0.462 ng/ul

RT: 17.39 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BE094766.D

Acq: 6 Nov 2017 22:49

Instrument :

BNA_E

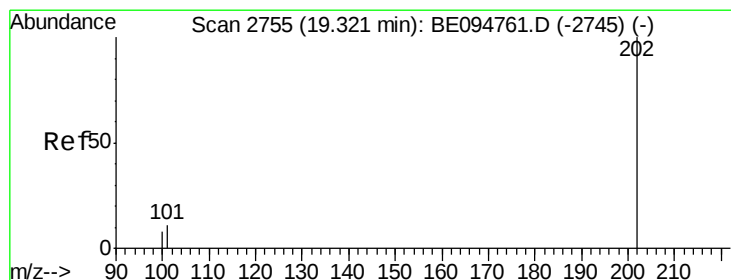
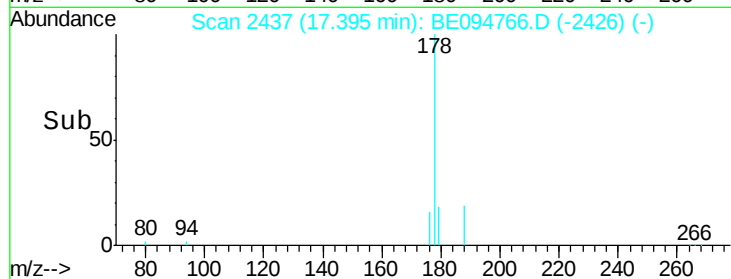
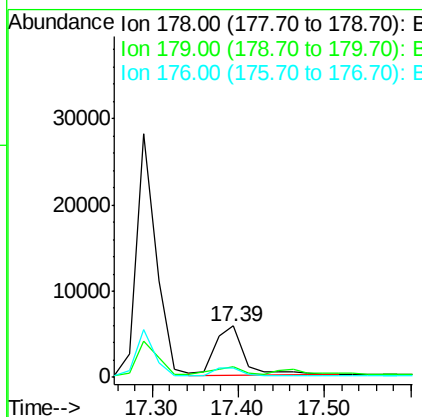
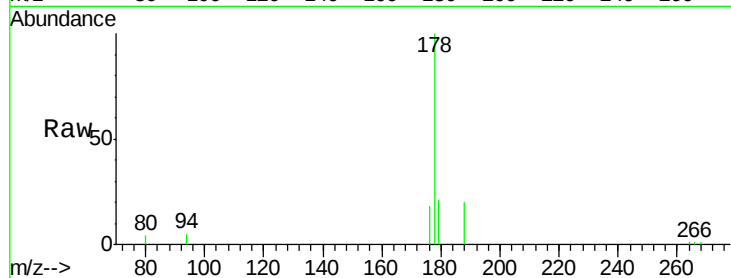
ClientSampleId :

DUP-7

Tgt Ion:	178	Resp:	12778
Ion Ratio	Lower	Upper	
178	100		
179	20.5	18.1	27.1
176	17.8	14.7	22.1

Manual Integrations
APPROVED

Sohil
11/7/2017 5:42:33 PM



#15

Fluoranthene

Concen: 4.164 ng/ul

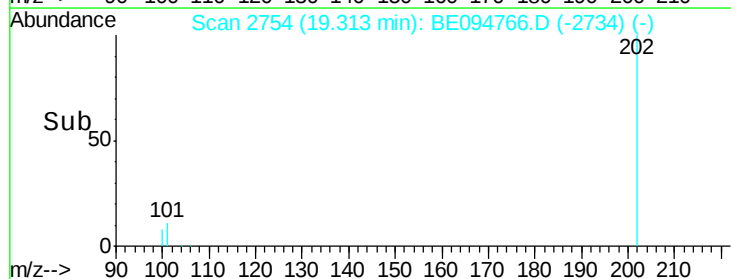
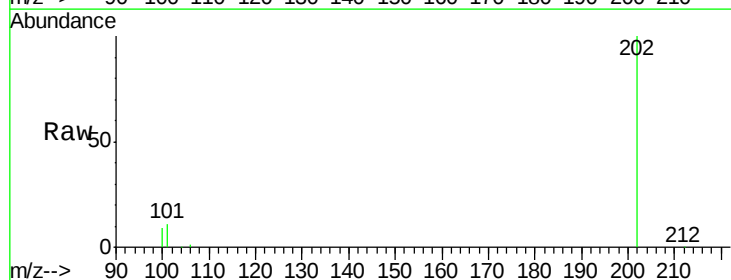
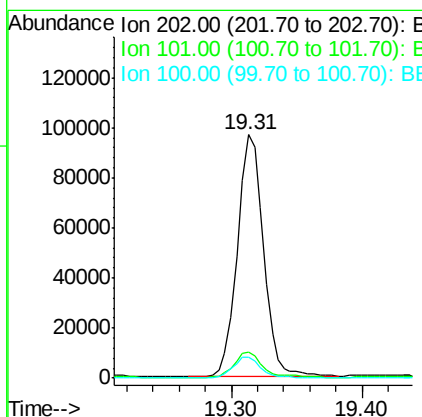
RT: 19.31 min Scan# 2754

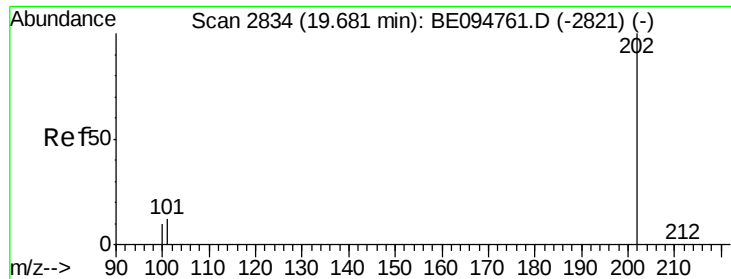
Delta R.T. -0.01 min

Lab File: BE094766.D

Acq: 6 Nov 2017 22:49

Tgt Ion:	202	Resp:	134808
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	30.3
100	8.6	0.0	39.5





#17

Pyrene

Concen: 4.568 ng/ul

RT: 19.68 min Scan# 2834

Delta R.T. -0.00 min

Lab File: BE094766.D

Acq: 6 Nov 2017 22:49

Instrument :

BNA_E

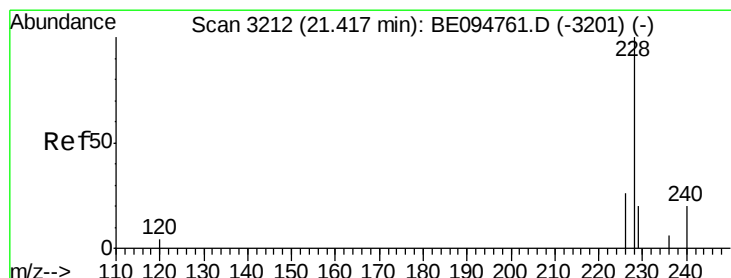
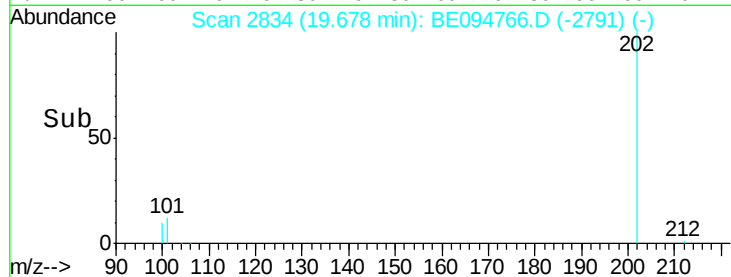
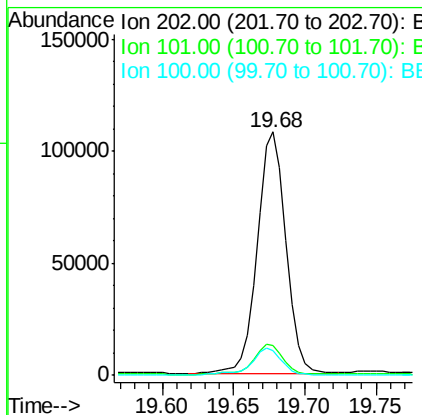
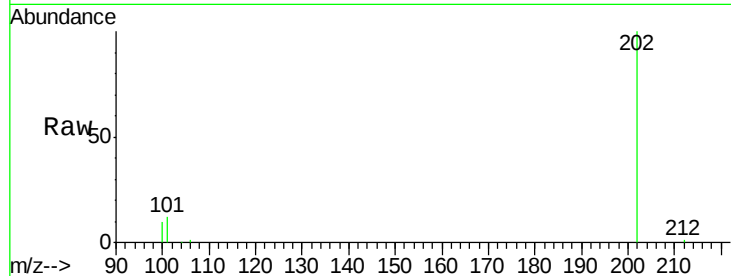
ClientSampled :

DUP-7

Tgt Ion:	202	Resp:	151524
Ion Ratio	Lower	Upper	
202	100		
101	12.0	18.2	27.4#
100	10.0	15.6	23.4#

Manual Integrations
APPROVED

Sohil
11/7/2017 5:42:33 PM



#18

Benzo(a)anthracene

Concen: 2.982 ng/ul

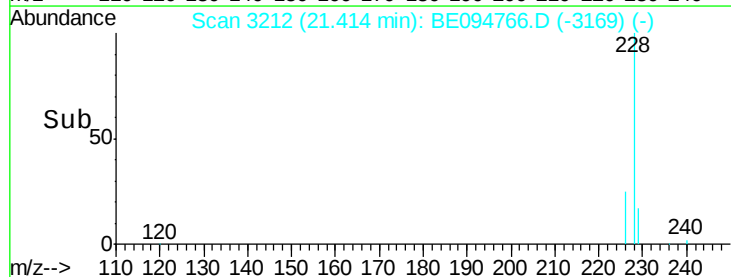
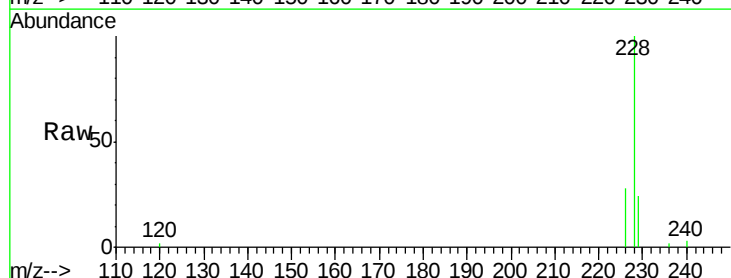
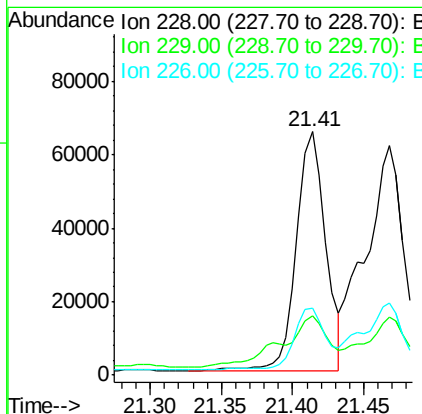
RT: 21.41 min Scan# 3212

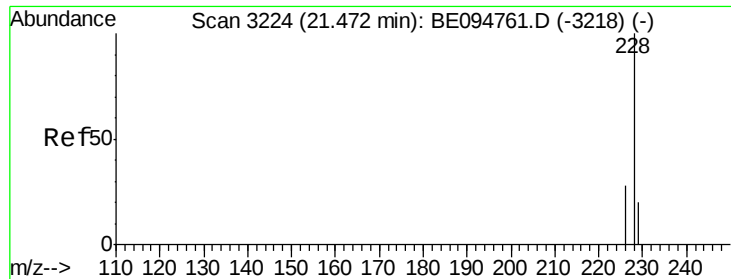
Delta R.T. -0.00 min

Lab File: BE094766.D

Acq: 6 Nov 2017 22:49

Tgt Ion:	228	Resp:	91466
Ion Ratio	Lower	Upper	
228	100		
229	24.1	22.8	34.2
226	27.8	17.0	25.6#





#19

Chrysene

Concen: 3.623 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. -0.00 min

Lab File: BE094766.D

Acq: 6 Nov 2017 22:49

Instrument :

BNA_E

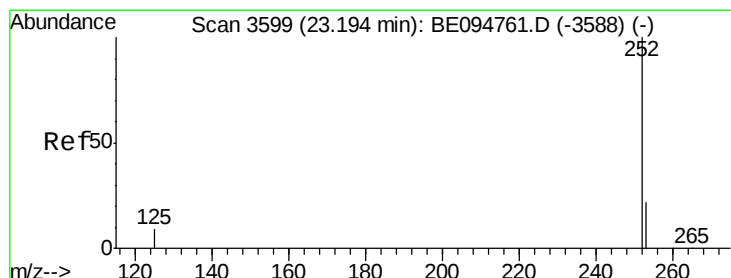
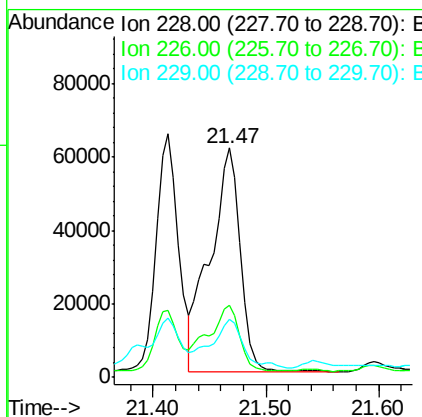
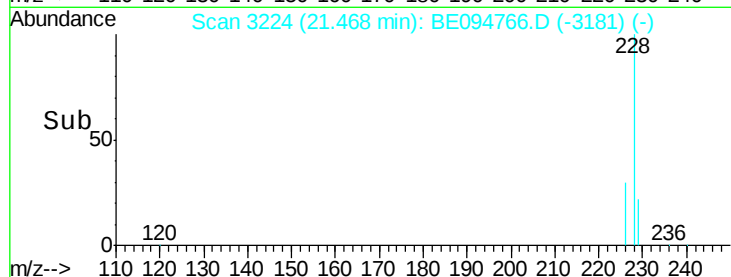
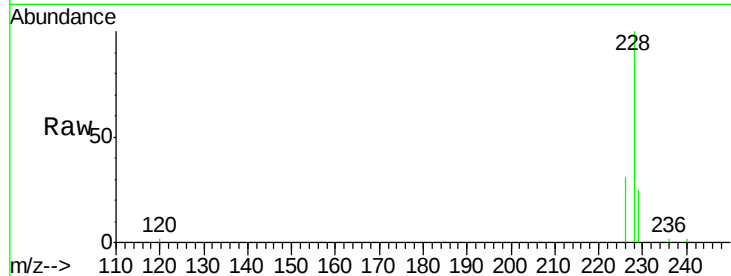
ClientSampleId :

DUP-7

Tgt Ion:	228	Resp:	114859
Ion Ratio	Lower	Upper	
228	100		
226	31.4	23.4	35.0
229	25.4	17.7	26.5

Manual Integrations
APPROVED

Sohil
11/7/2017 5:42:33 PM



#21

Benzo(b)fluoranthene

Concen: 7.702 ng/ul m

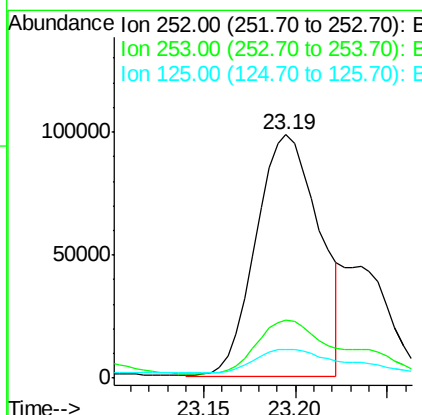
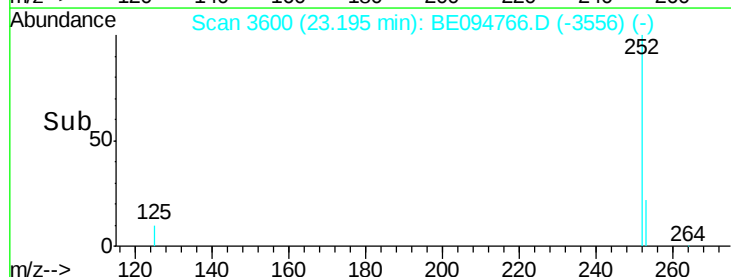
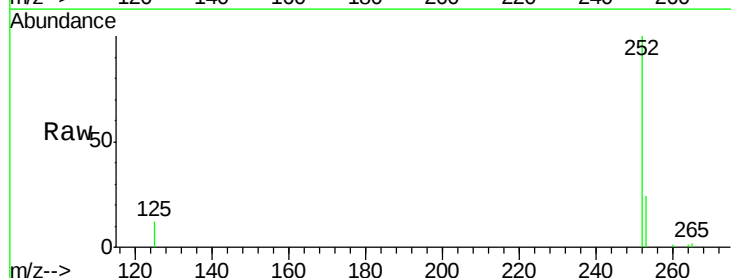
RT: 23.19 min Scan# 3600

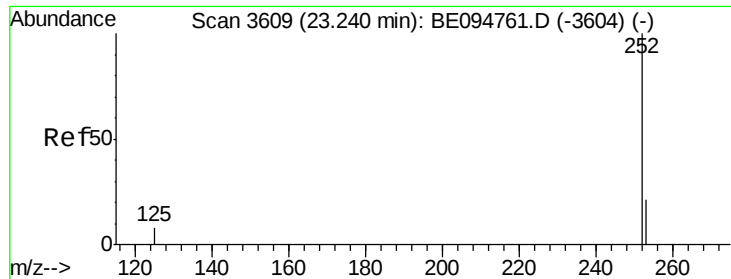
Delta R.T. 0.00 min

Lab File: BE094766.D

Acq: 6 Nov 2017 22:49

Tgt Ion:	252	Resp:	236015
Ion Ratio	Lower	Upper	
252	100		
253	23.7	0.0	64.2
125	12.0	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 2.436 ng/ul m

RT: 23.22 min Scan# 3606

Delta R.T. -0.02 min

Lab File: BE094766.D

Acq: 6 Nov 2017 22:49

Instrument :

BNA_E

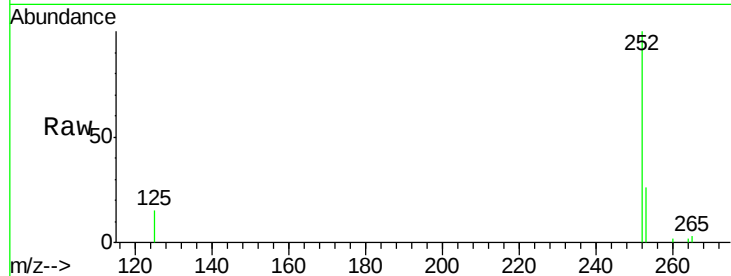
ClientSampled :

DUP-7

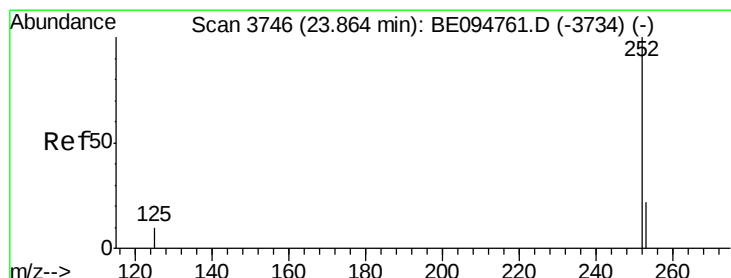
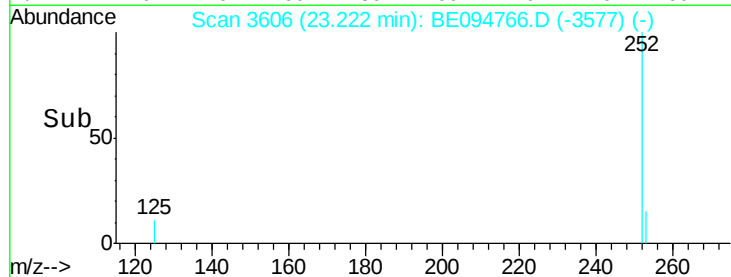
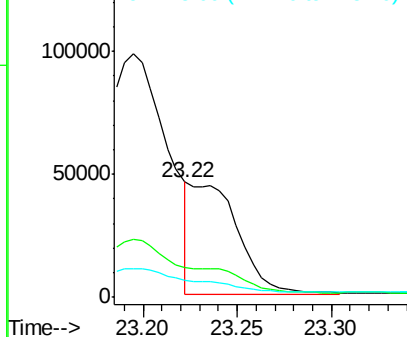
Tgt Ion:	252	Resp:	79986
Ion Ratio	Lower	Upper	
252	100		
253	25.7	24.5	36.7
125	15.2	13.7	20.5

Manual Integrations
APPROVED

Sohil
11/7/2017 5:42:33 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



#23

Benzo(a)pyrene

Concen: 5.282 ng/ul

RT: 23.86 min Scan# 3747

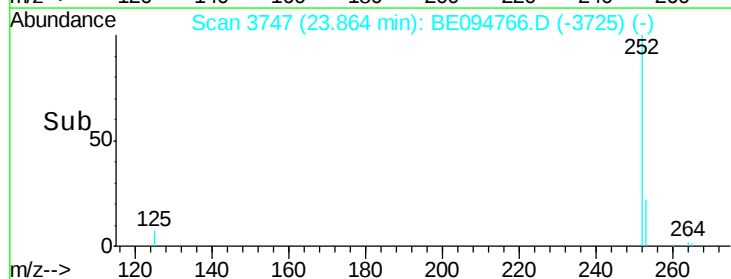
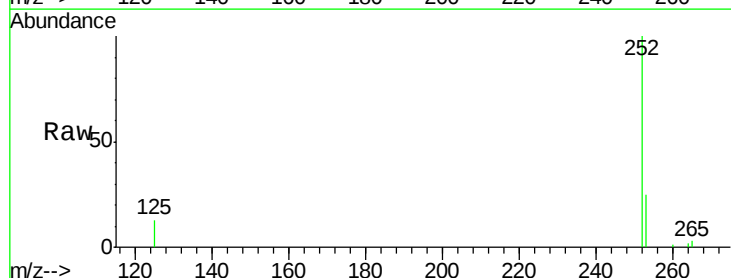
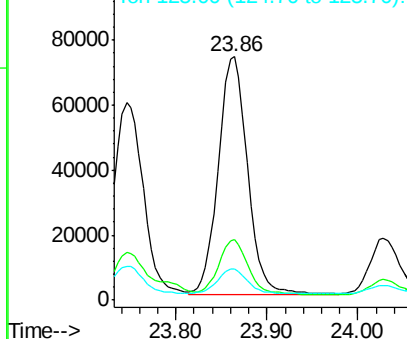
Delta R.T. 0.00 min

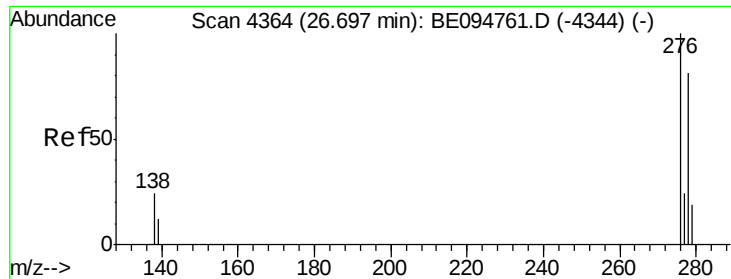
Lab File: BE094766.D

Acq: 6 Nov 2017 22:49

Tgt Ion:	252	Resp:	161792
Ion Ratio	Lower	Upper	
252	100		
253	24.7	28.5	42.7#
125	12.6	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





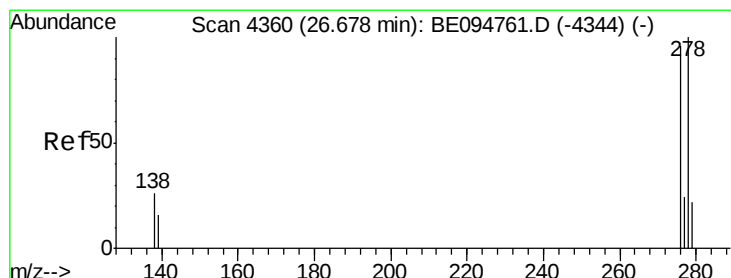
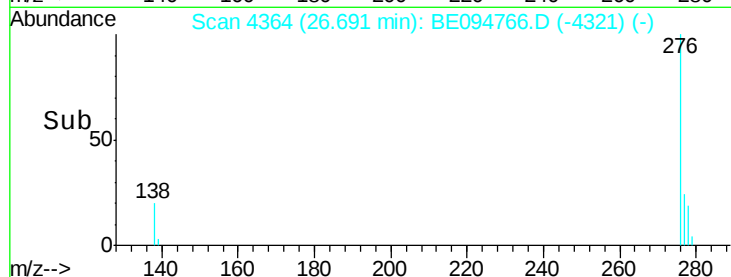
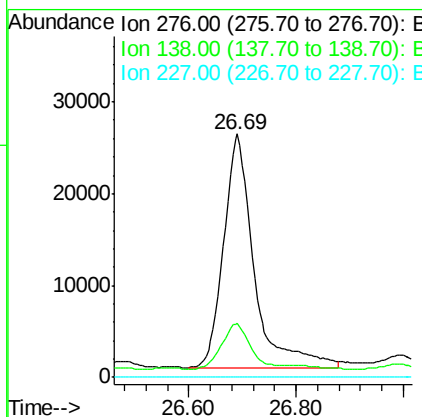
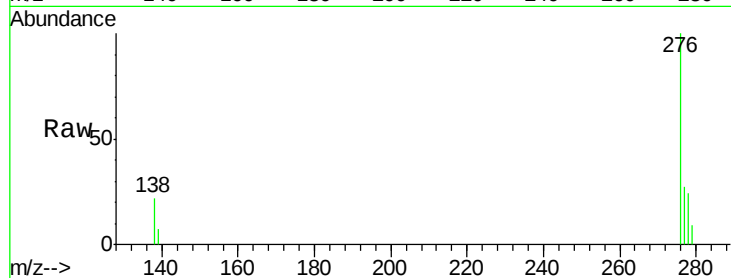
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 3.181 ng/ul
 RT: 26.69 min Scan# 4364
 Delta R.T. -0.01 min
 Lab File: BE094766.D
 Acq: 6 Nov 2017 22:49

Instrument :
 BNA_E
 ClientSampleId :
 DUP-7

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	20.4	28.0	42.0#
227	0.0	8.0	12.0#

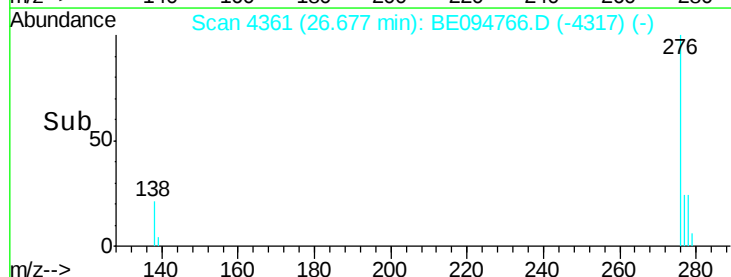
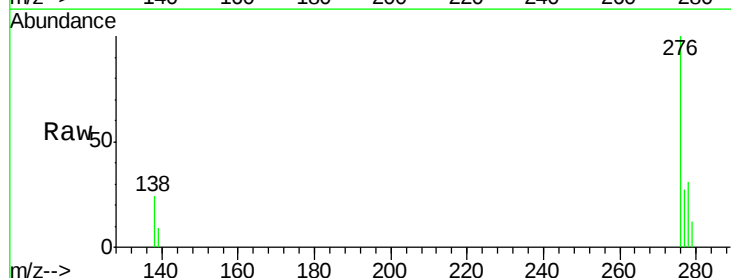
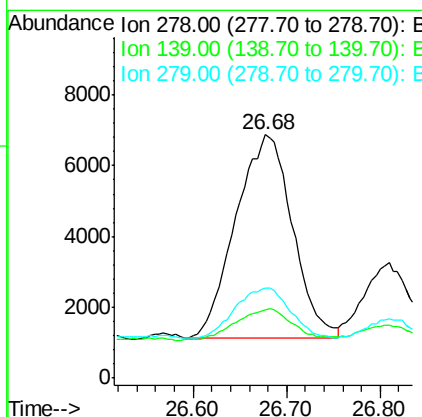
Manual Integrations
 APPROVED

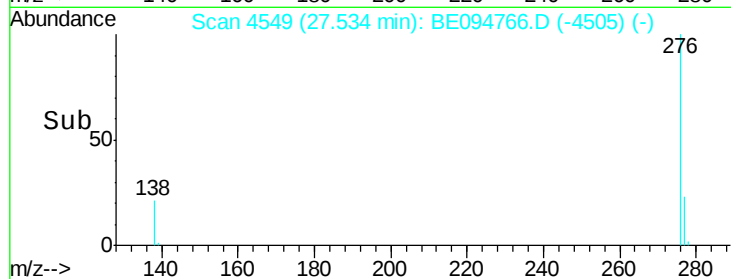
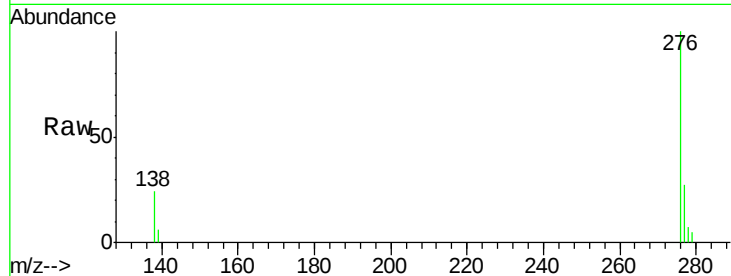
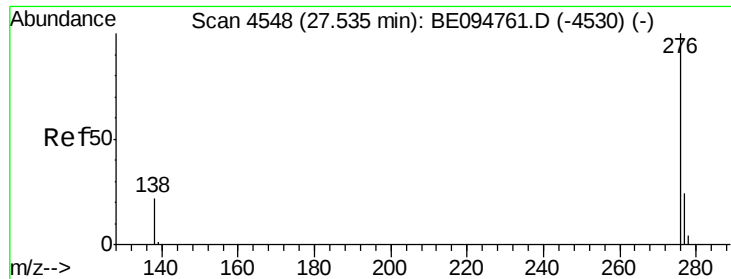
Sohil
 11/7/2017 5:42:33 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.904 ng/ul
 RT: 26.68 min Scan# 4361
 Delta R.T. -0.00 min
 Lab File: BE094766.D
 Acq: 6 Nov 2017 22:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	28.2	17.4	26.0#
279	37.1	25.9	38.9





#26

Benzo(g,h,i)perylene

Concen: 3.172 ng/ul

RT: 27.53 min Scan# 4549

Delta R.T. -0.00 min

Lab File: BE094766.D

Acq: 6 Nov 2017 22:49

Instrument :

BNA_E

ClientSampleId :

DUP-7

Tgt Ion:	276	Resp:	80733
Ion Ratio	Lower	Upper	
276	100		
138	23.9	21.8	32.8
277	26.8	20.5	30.7

Manual Integrations
APPROVED

Sohil
11/7/2017 5:42:33 PM

