

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\
 Data File : BE093305.D
 Acq On : 21 Jun 2017 5:37
 Operator : SJ/JU
 Sample : I3599-15DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5C91DL

Manual Integrations
 APPROVED

mohammad
 6/21/2017 12:19:32 PM

Quant Time: Jun 21 07:07:06 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 21 03:23:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1818	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	9755	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5838	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	14524	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	14883	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	12749	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	504	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1474	0.04	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	8521	0.352	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	1954	0.118	ng/ul	100
7) Acenaphthylene	14.08	152	31918	1.274	ng/ul	96
8) Acenaphthene	14.42	153	1520	0.075	ng/ul	96
9) Fluorene	15.41	166	2095	0.088	ng/ul	90
12) Phenanthrene	17.13	178	26853	0.672	ng/ul#	89
13) Anthracene	17.22	178	39549	1.137	ng/ul#	89
15) Fluoranthene	19.15	202	120539	2.460	ng/ul	83
17) Pyrene	19.51	202	129916	2.960	ng/ul#	85
18) Benzo(a)anthracene	21.24	228	70234	1.769	ng/ul#	84
19) Chrysene	21.29	228	96974	2.355	ng/ul	99
21) Benzo(b)fluoranthene	22.93	252	232117m	5.999	ng/ul	
22) Benzo(k)fluoranthene	22.97	252	64663m	1.574	ng/ul	
23) Benzo(a)pyrene	23.55	252	104986	2.870	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	106571	2.516	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.19	278	27611	0.774	ng/ul	92
26) Benzo(g,h,i)perylene	26.96	276	65494	1.803	ng/ul	97

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

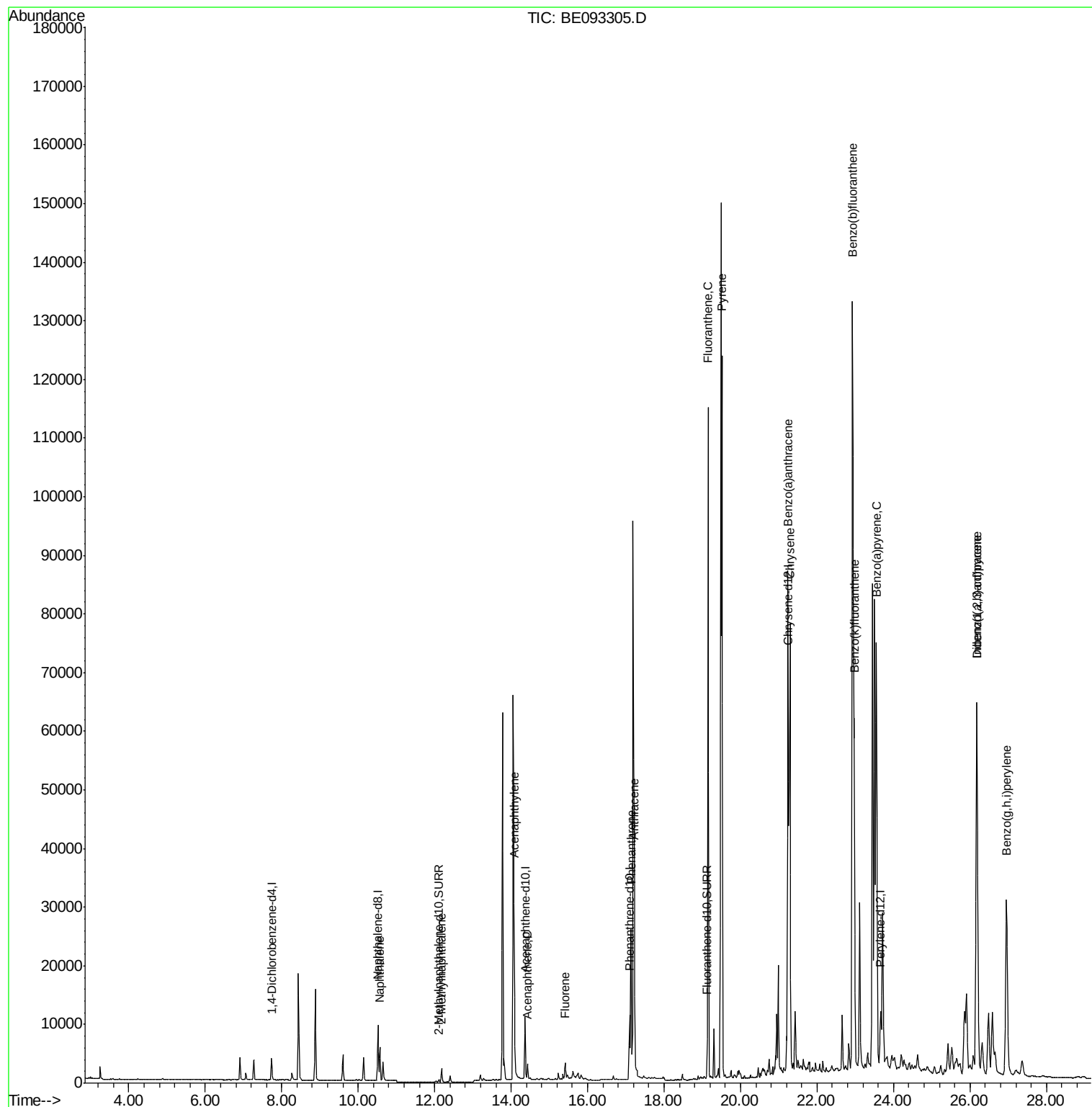
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\
Data File : BE093305.D
Acq On : 21 Jun 2017 5:37
Operator : SJ/JU
Sample : I3599-15DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

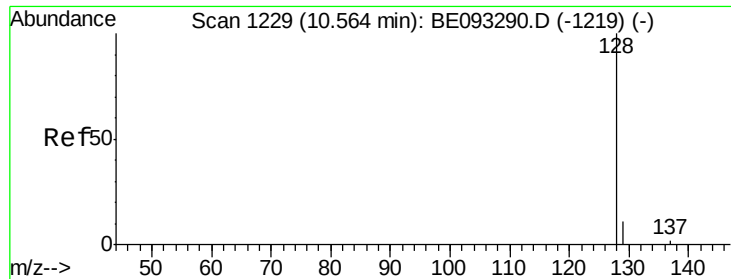
Instrument :
BNA_E
ClientSampleId :
F5C91DL

Manual Integrations
APPROVED

mohammad
6/21/2017 12:19:32 PM

Quant Time: Jun 21 07:07:06 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 21 03:23:49 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.352 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Instrument :

BNA_E

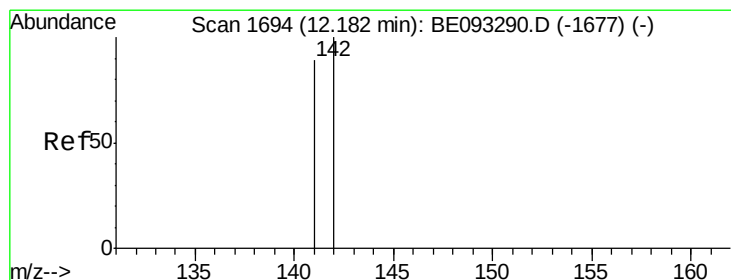
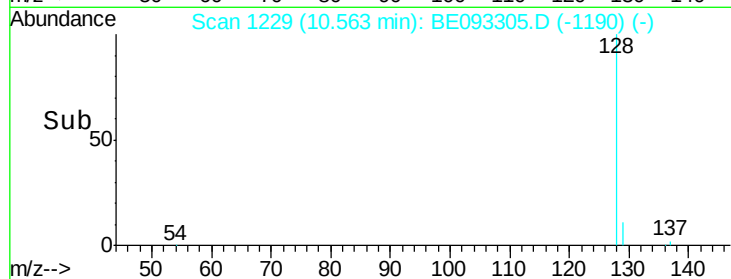
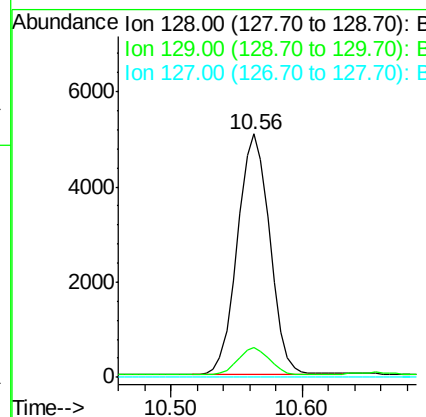
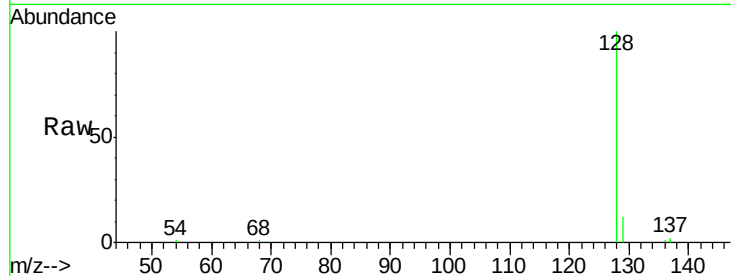
ClientSampleId :

F5C91DL

Tgt Ion:	128	Resp:	8521
Ion Ratio	Lower	Upper	
128	100		
129	12.3	11.3	16.9
127	0.0	4.0	6.0#

Manual Integrations
APPROVED

mohammad
6/21/2017 12:19:32 PM



#5

2-Methylnaphthalene

Concen: 0.118 ng/ul

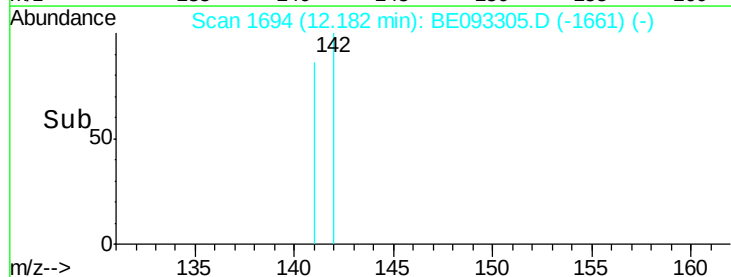
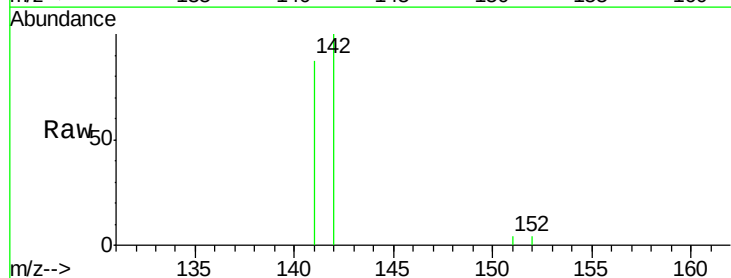
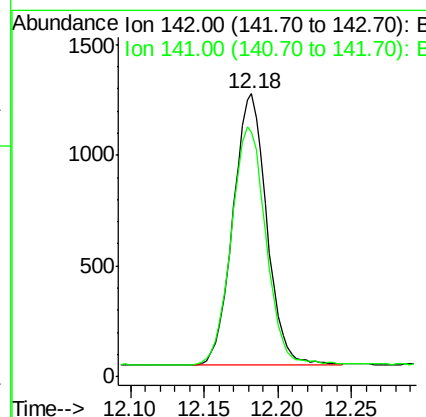
RT: 12.18 min Scan# 1694

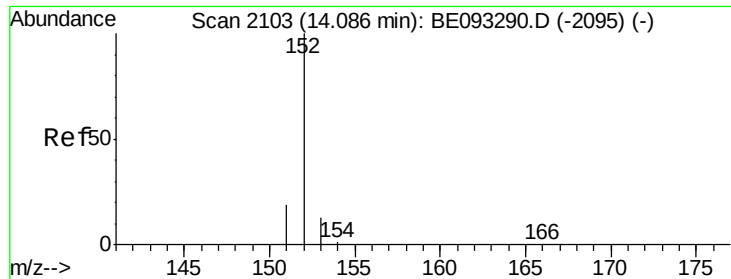
Delta R.T. -0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Tgt Ion:	142	Resp:	1954
Ion Ratio	Lower	Upper	
142	100		
141	90.5	72.6	108.8





#7

Acenaphthylene

Concen: 1.274 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Instrument :

BNA_E

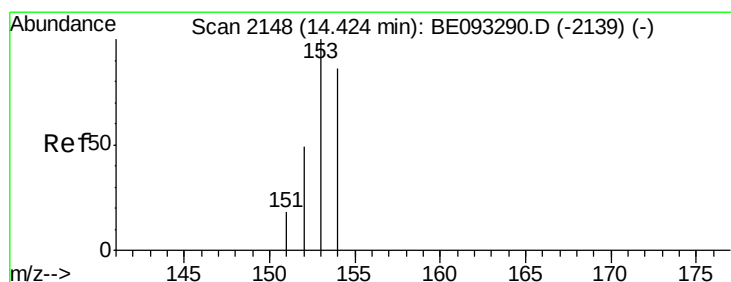
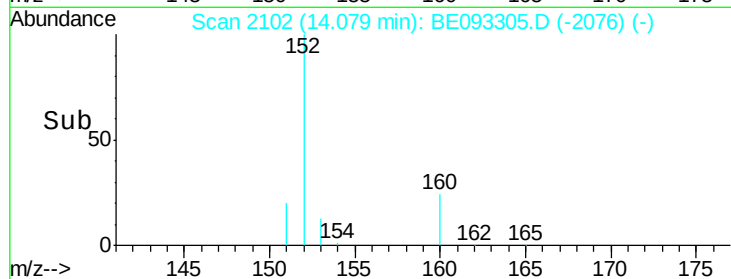
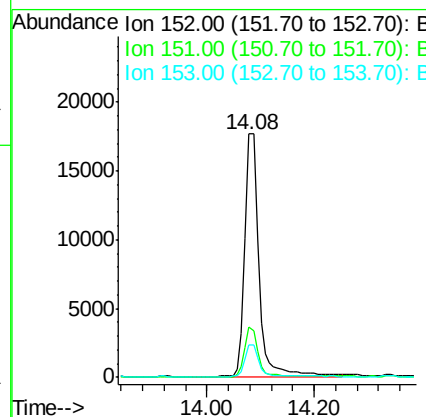
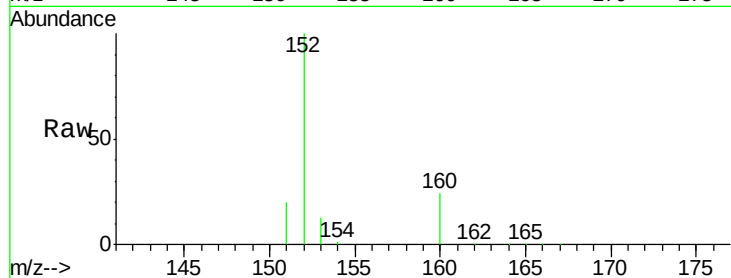
ClientSampleId :

F5C91DL

Tgt Ion:	152	Resp:	31918
Ion Ratio	Lower	Upper	
152	100		
151	20.4	17.1	25.7
153	13.2	12.8	19.2

Manual Integrations
APPROVED

mohammad
6/21/2017 12:19:32 PM



#8

Acenaphthene

Concen: 0.075 ng/ul

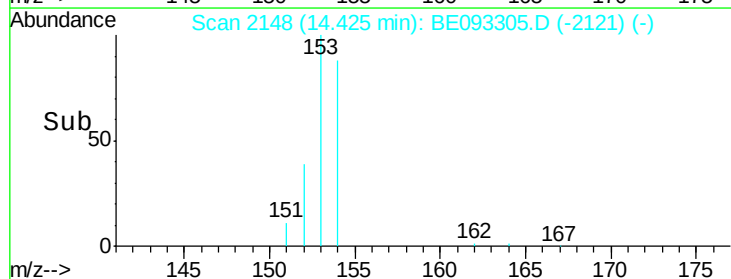
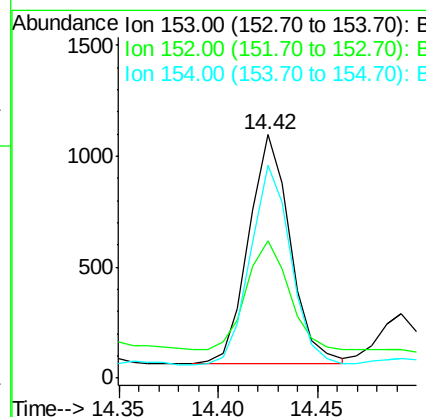
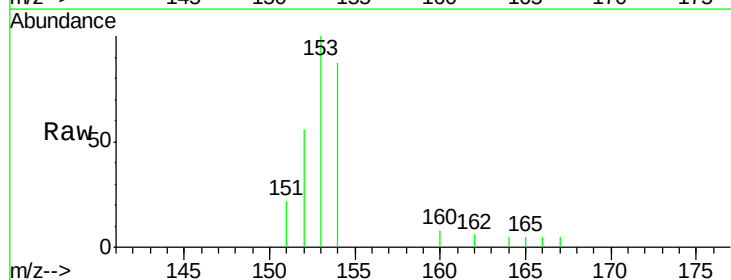
RT: 14.42 min Scan# 2148

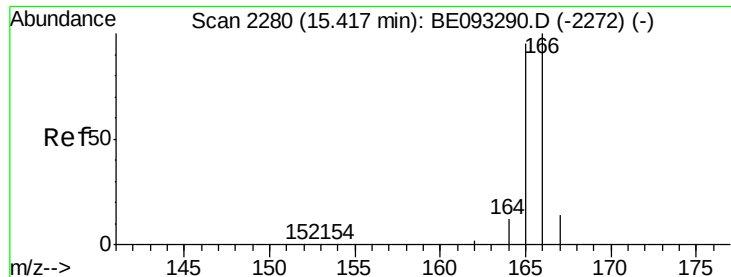
Delta R.T. 0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Tgt Ion:	153	Resp:	1520
Ion Ratio	Lower	Upper	
153	100		
152	56.4	40.3	60.5
154	87.3	71.4	107.2





#9

Fluorene

Concen: 0.088 ng/ul

RT: 15.41 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Instrument :

BNA_E

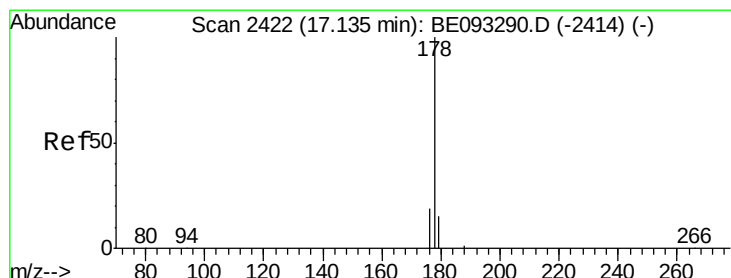
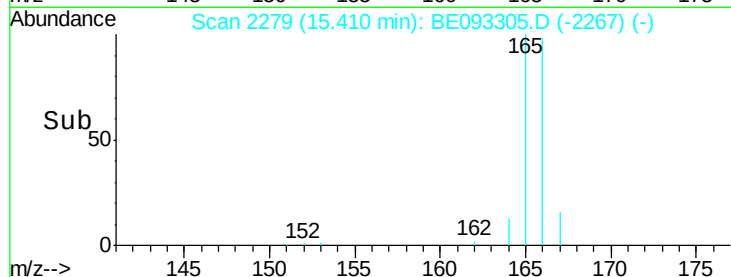
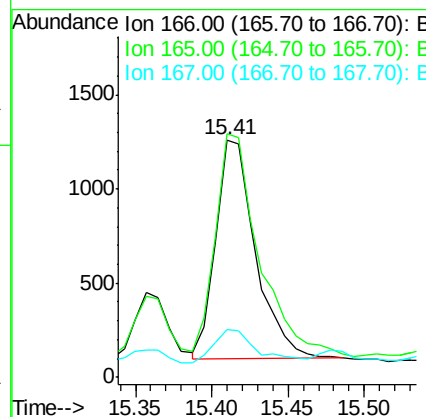
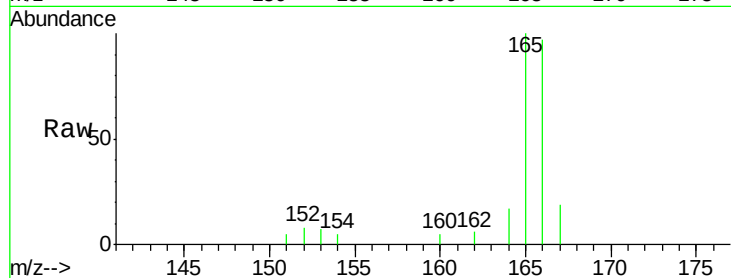
ClientSampleId :

F5C91DL

Tgt Ion:	166	Resp:	2095
Ion Ratio	Lower	Upper	
166	100		
165	102.6	73.4	110.2
167	19.9	14.6	22.0

Manual Integrations
APPROVED

mohammad
6/21/2017 12:19:32 PM



#12

Phenanthrene

Concen: 0.672 ng/ul

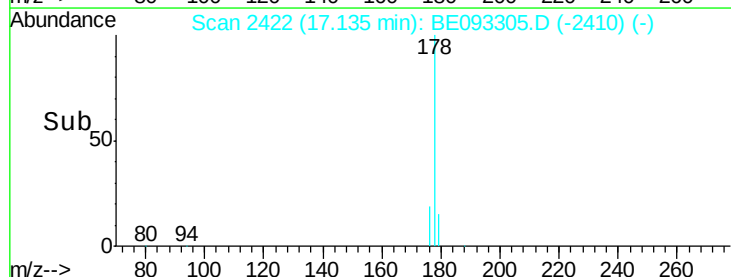
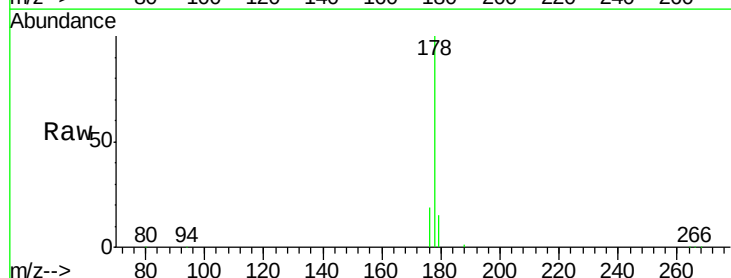
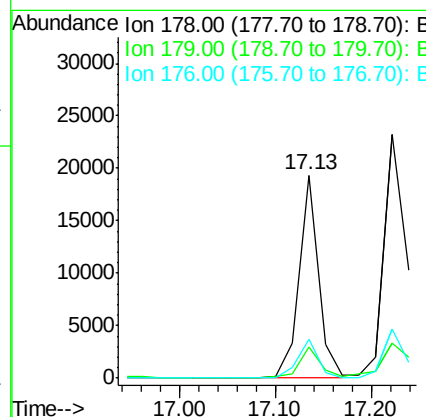
RT: 17.13 min Scan# 2422

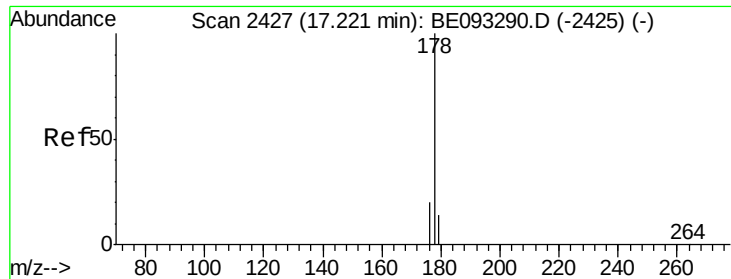
Delta R.T. -0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Tgt Ion:	178	Resp:	26853
Ion Ratio	Lower	Upper	
178	100		
179	15.1	18.4	27.6#
176	19.1	13.6	20.4





#13

Anthracene

Concen: 1.137 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Instrument :

BNA_E

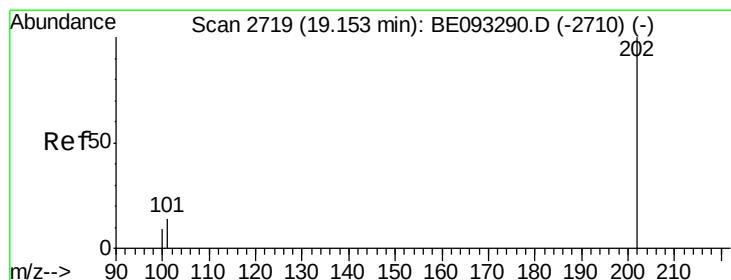
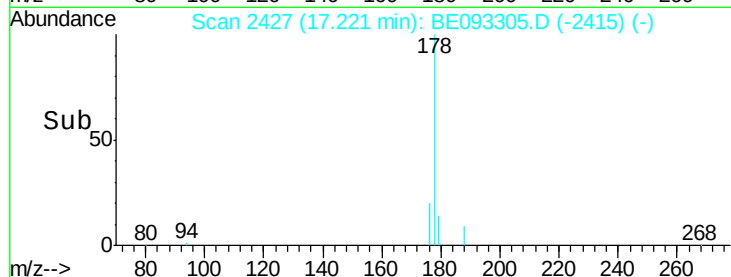
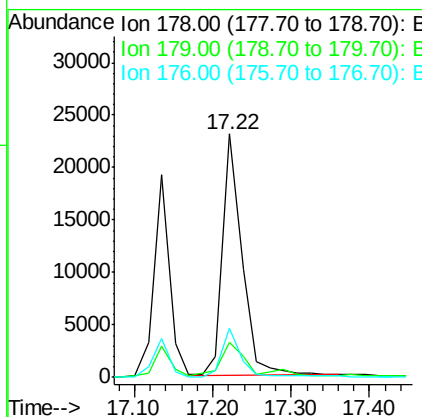
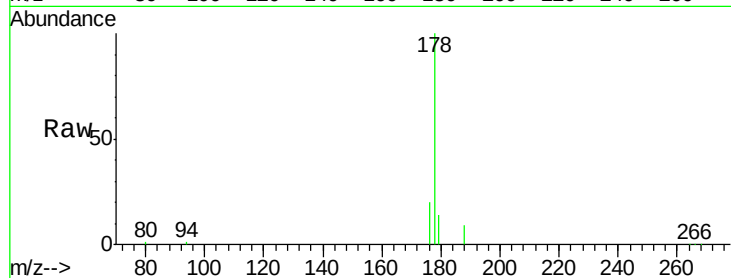
ClientSampleId :

F5C91DL

Tgt Ion:	178	Resp:	39549
Ion Ratio	Lower	Upper	
178	100		
179	14.5	18.1	27.1#
176	20.2	14.7	22.1

Manual Integrations
APPROVED

mohammad
6/21/2017 12:19:32 PM



#15

Fluoranthene

Concen: 2.460 ng/ul

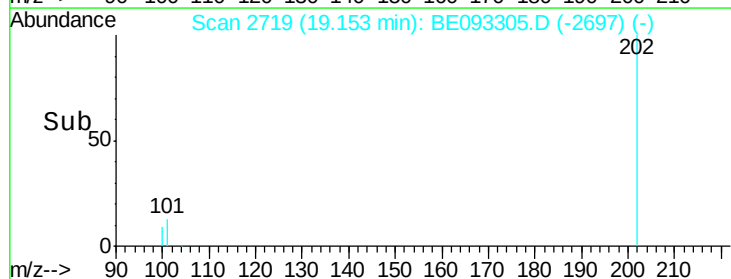
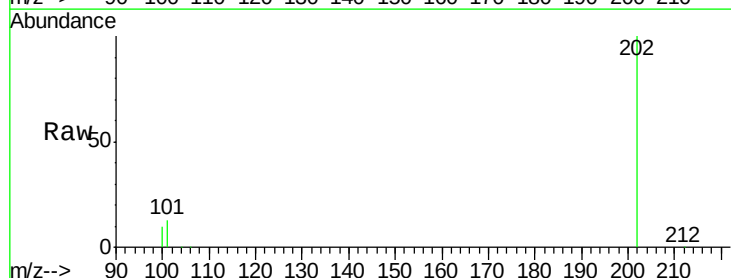
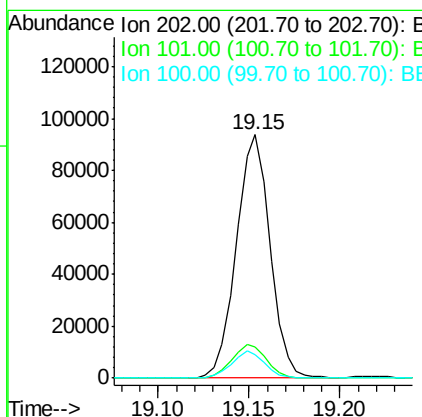
RT: 19.15 min Scan# 2719

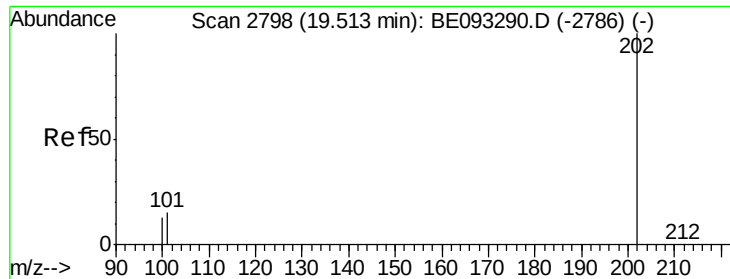
Delta R.T. 0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Tgt Ion:	202	Resp:	120539
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	30.3
100	9.6	0.0	39.5





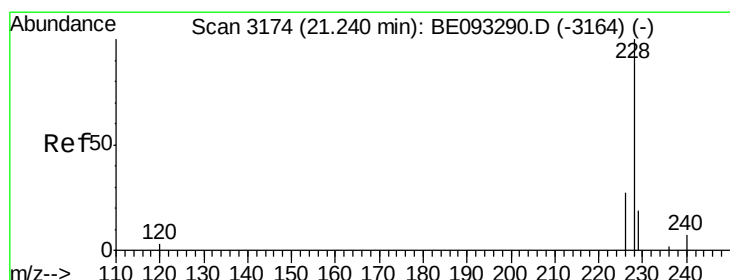
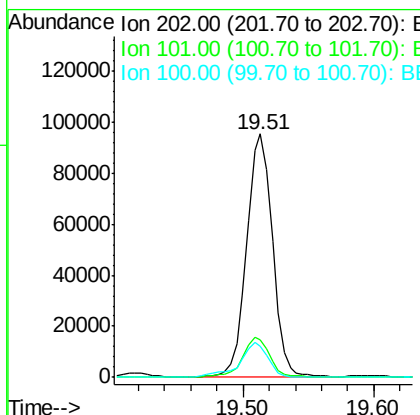
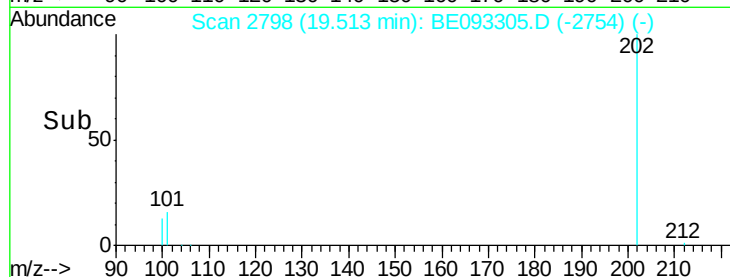
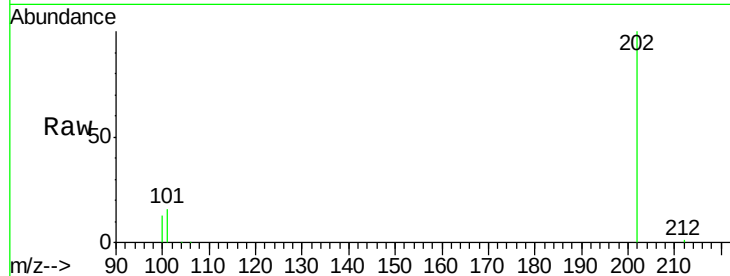
#17
Pyrene
 Concen: 2.960 ng/ul
 RT: 19.51 min Scan# 2798
 Delta R.T. 0.00 min
 Lab File: BE093305.D
 Acq: 21 Jun 2017 5:37

Instrument :
 BNA_E
 ClientSampleId :
 F5C91DL

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

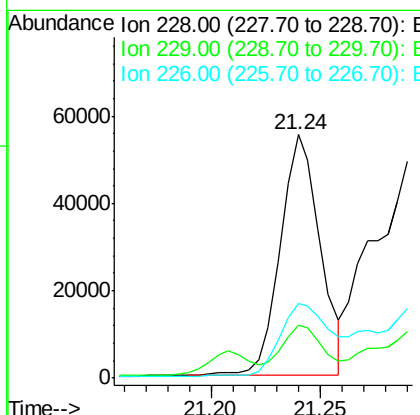
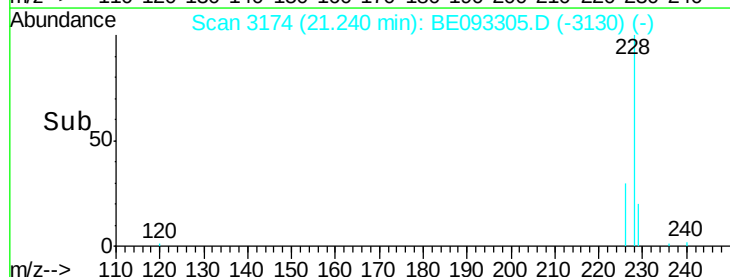
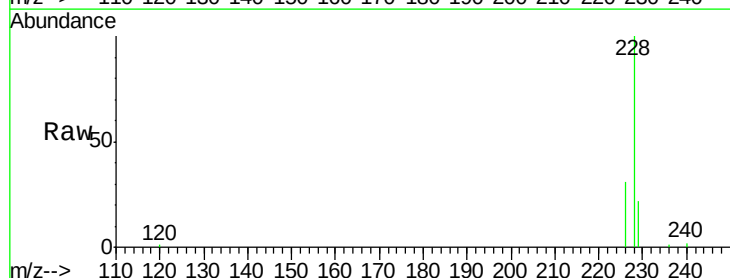
Manual Integrations
 APPROVED

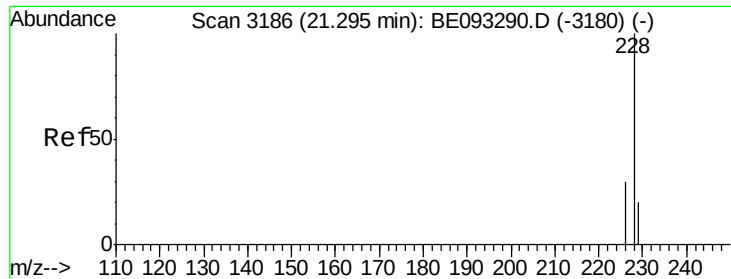
mohammad
 6/21/2017 12:19:32 PM



#18
Benzo(a)anthracene
 Concen: 1.769 ng/ul
 RT: 21.24 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: BE093305.D
 Acq: 21 Jun 2017 5:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.8	22.8	34.2#
226	30.9	17.0	25.6#





#19

Chrysene

Concen: 2.355 ng/ul

RT: 21.29 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Instrument :

BNA_E

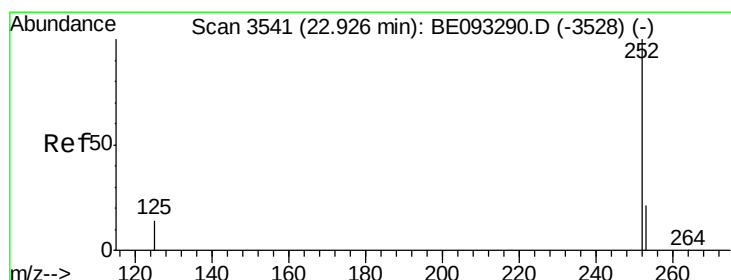
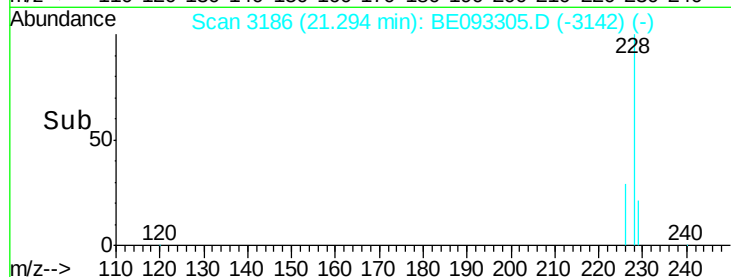
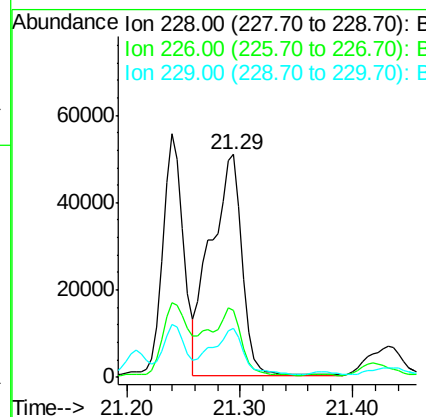
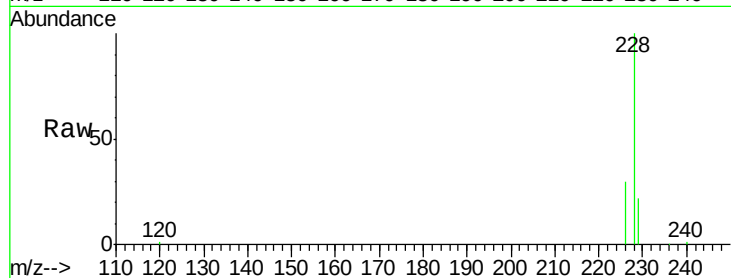
ClientSampleId :

F5C91DL

Tgt Ion:	228	Resp:	96974
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.4	35.0
229	22.2	17.7	26.5

Manual Integrations
APPROVED

mohammad
6/21/2017 12:19:32 PM



#21

Benzo(b)fluoranthene

Concen: 5.999 ng/ul m

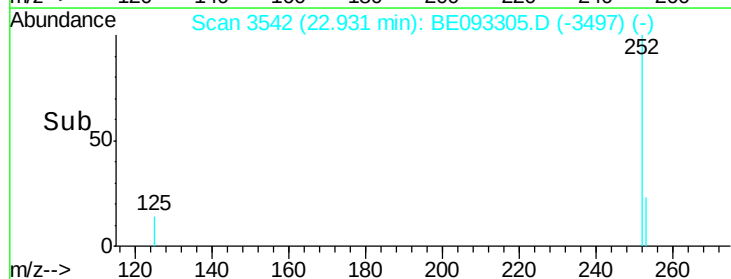
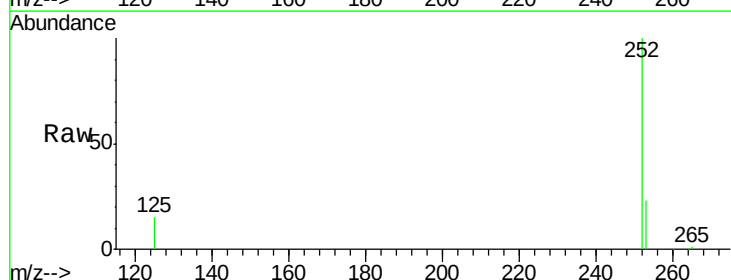
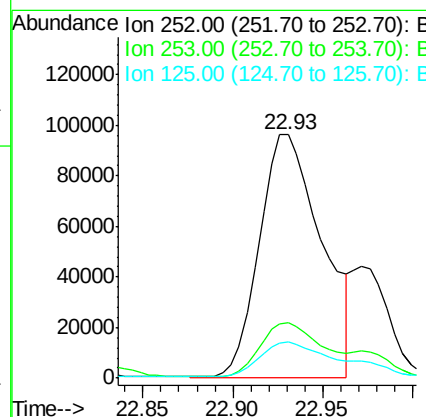
RT: 22.93 min Scan# 3542

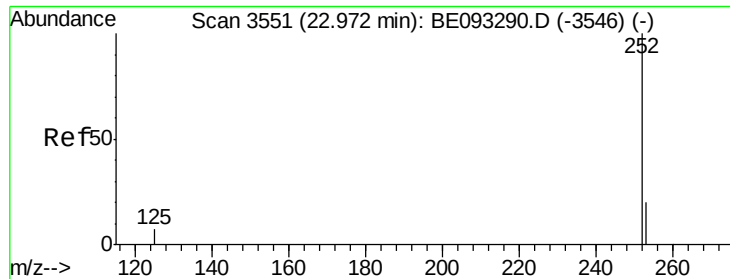
Delta R.T. 0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Tgt Ion:	252	Resp:	232117
Ion Ratio	Lower	Upper	
252	100		
253	22.9	0.0	64.2
125	14.6	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 1.574 ng/ul m

RT: 22.97 min Scan# 3551

Delta R.T. -0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Instrument :

BNA_E

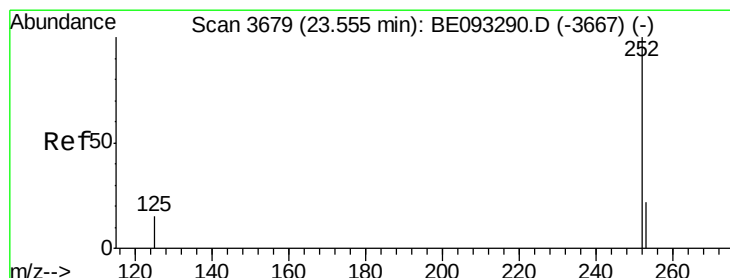
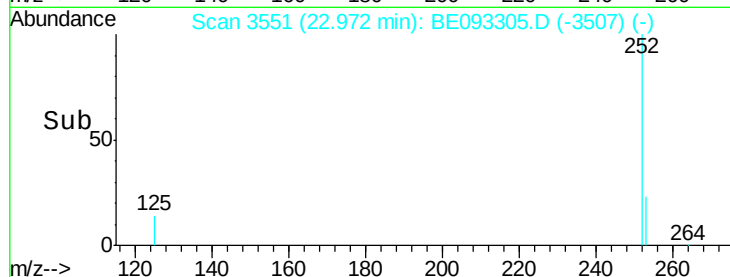
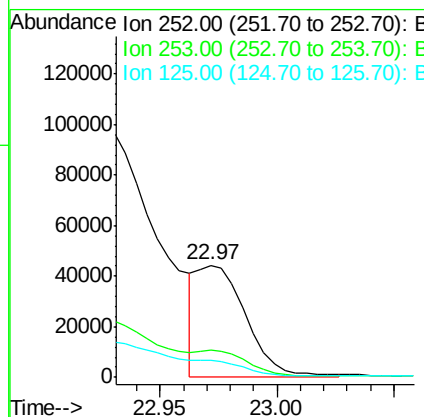
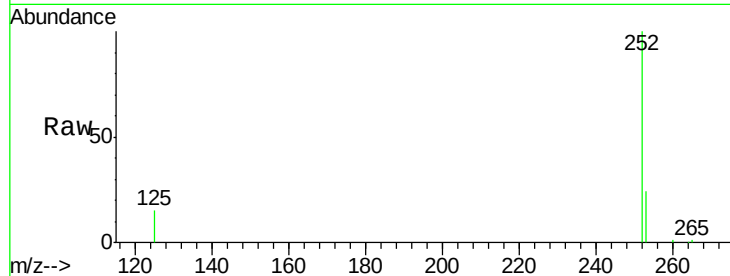
ClientSampleId :

F5C91DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	24.5	36.7#
125	15.0	13.7	20.5

Manual Integrations
APPROVED

mohammad
6/21/2017 12:19:32 PM



#23

Benzo(a)pyrene

Concen: 2.870 ng/ul

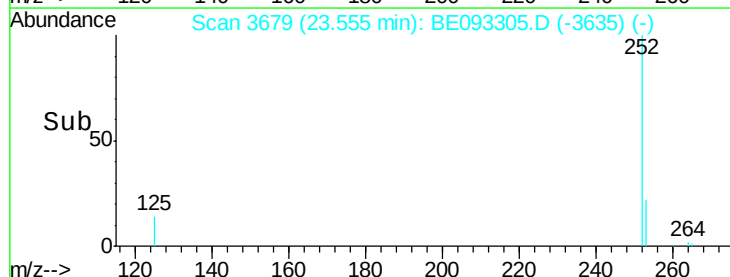
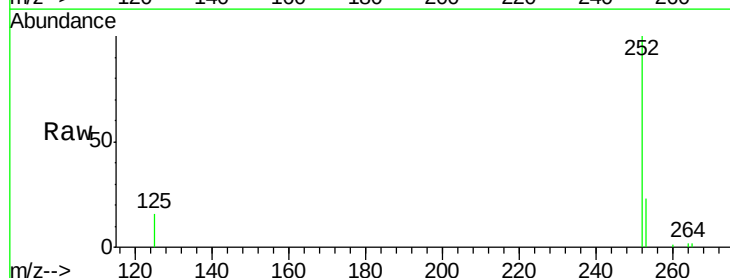
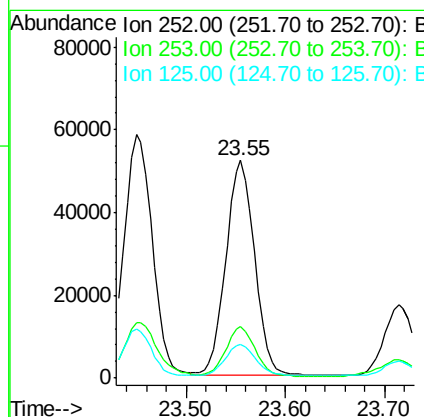
RT: 23.55 min Scan# 3679

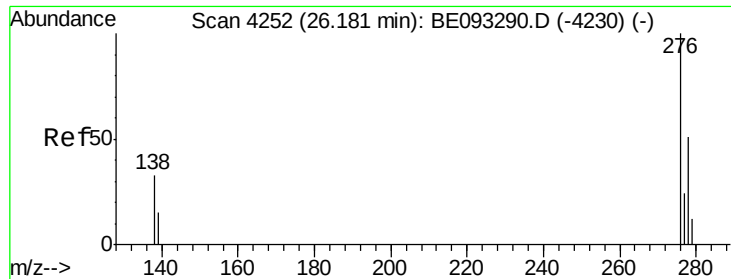
Delta R.T. -0.00 min

Lab File: BE093305.D

Acq: 21 Jun 2017 5:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	28.5	42.7#
125	15.5	18.1	27.1#





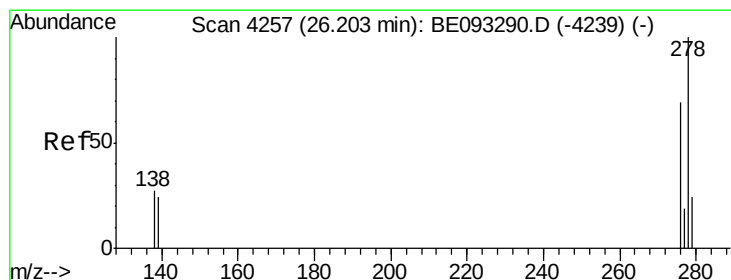
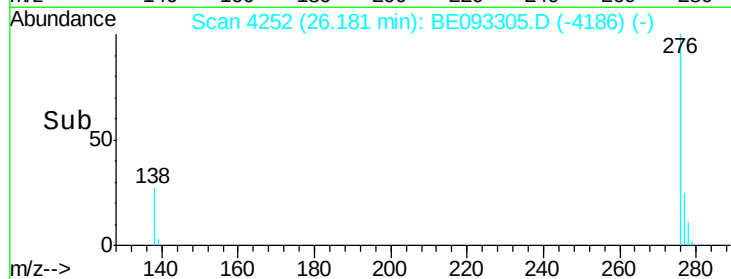
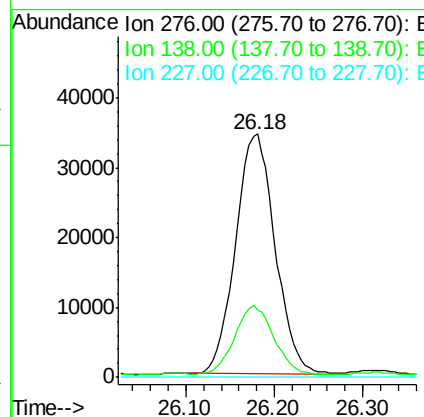
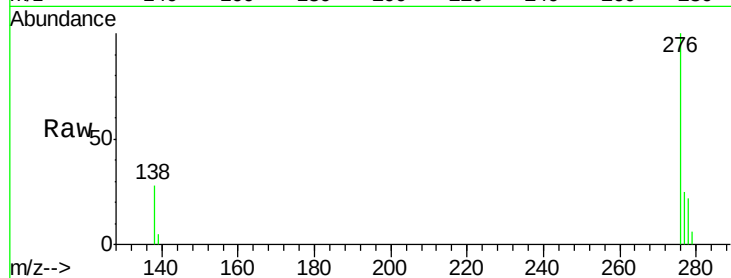
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 2.516 ng/ul
 RT: 26.18 min Scan# 4252
 Delta R.T. 0.00 min
 Lab File: BE093305.D
 Acq: 21 Jun 2017 5:37

Instrument :
 BNA_E
 ClientSampleId :
 F5C91DL

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	29.2	28.0	42.0
227	0.0	8.0	12.0

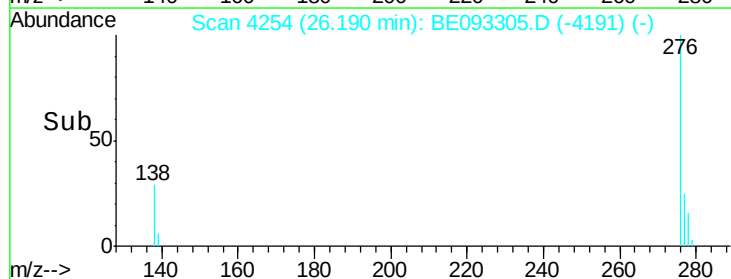
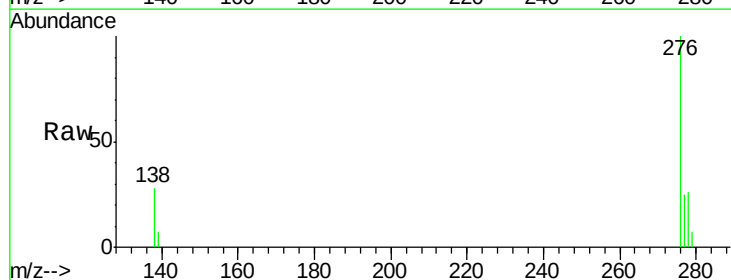
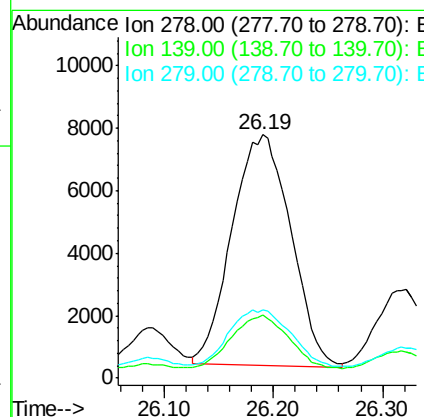
Manual Integrations
 APPROVED

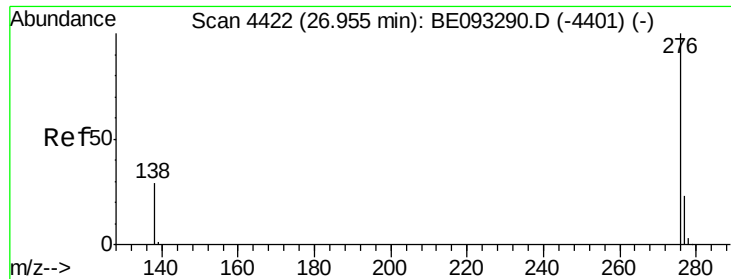
mohammad
 6/21/2017 12:19:32 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.774 ng/ul
 RT: 26.19 min Scan# 4254
 Delta R.T. -0.01 min
 Lab File: BE093305.D
 Acq: 21 Jun 2017 5:37

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





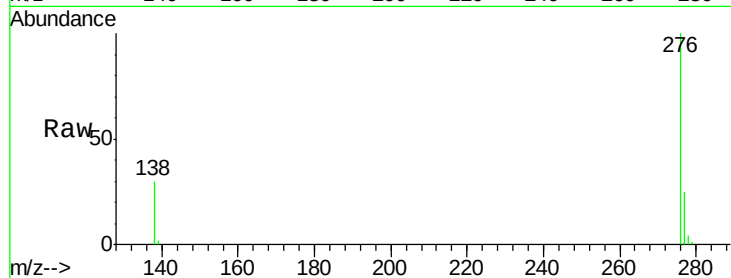
#26
 Benzo(g,h,i)perylene
 Concen: 1.803 ng/ul
 RT: 26.96 min Scan# 4422
 Delta R.T. 0.00 min
 Lab File: BE093305.D
 Acq: 21 Jun 2017 5:37

Instrument :
 BNA_E
 ClientSampleId :
 F5C91DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.7	21.8	32.8
277	24.7	20.5	30.7

Manual Integrations
 APPROVED

mohammad
 6/21/2017 12:19:32 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

