

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061317\
 Data File : BE093138.D
 Acq On : 13 Jun 2017 19:38
 Operator : SJ/MA
 Sample : I3522-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5C34

Manual Integrations
 APPROVED

mohammad
 6/14/2017 2:59:11 PM

Quant Time: Jun 14 02:21:55 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 14 01:25:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	4928	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	24031	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	14421	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	34551	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	36617	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	33196m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	8084	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	23741	0.25	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.57	128	487893	8.183	ng/ul#	91
5) 2-Methylnaphthalene	12.19	142	42576	1.044	ng/ul	98
7) Acenaphthylene	14.09	152	5003	0.081	ng/ul	98
8) Acenaphthene	14.43	153	45562	0.913	ng/ul	98
9) Fluorene	15.42	166	71439	1.220	ng/ul#	90
11) Pentachlorophenol	16.75	266	273	0.053	ng/ul	95
12) Phenanthrene	17.14	178	312072	3.283	ng/ul#	86
13) Anthracene	17.22	178	79193	0.957	ng/ul#	90
15) Fluoranthene	19.15	202	111452	0.956	ng/ul	84
17) Pyrene	19.51	202	82428	0.763	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	12144	0.124	ng/ul#	87
19) Chrysene	21.29	228	10627	0.105	ng/ul	97

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

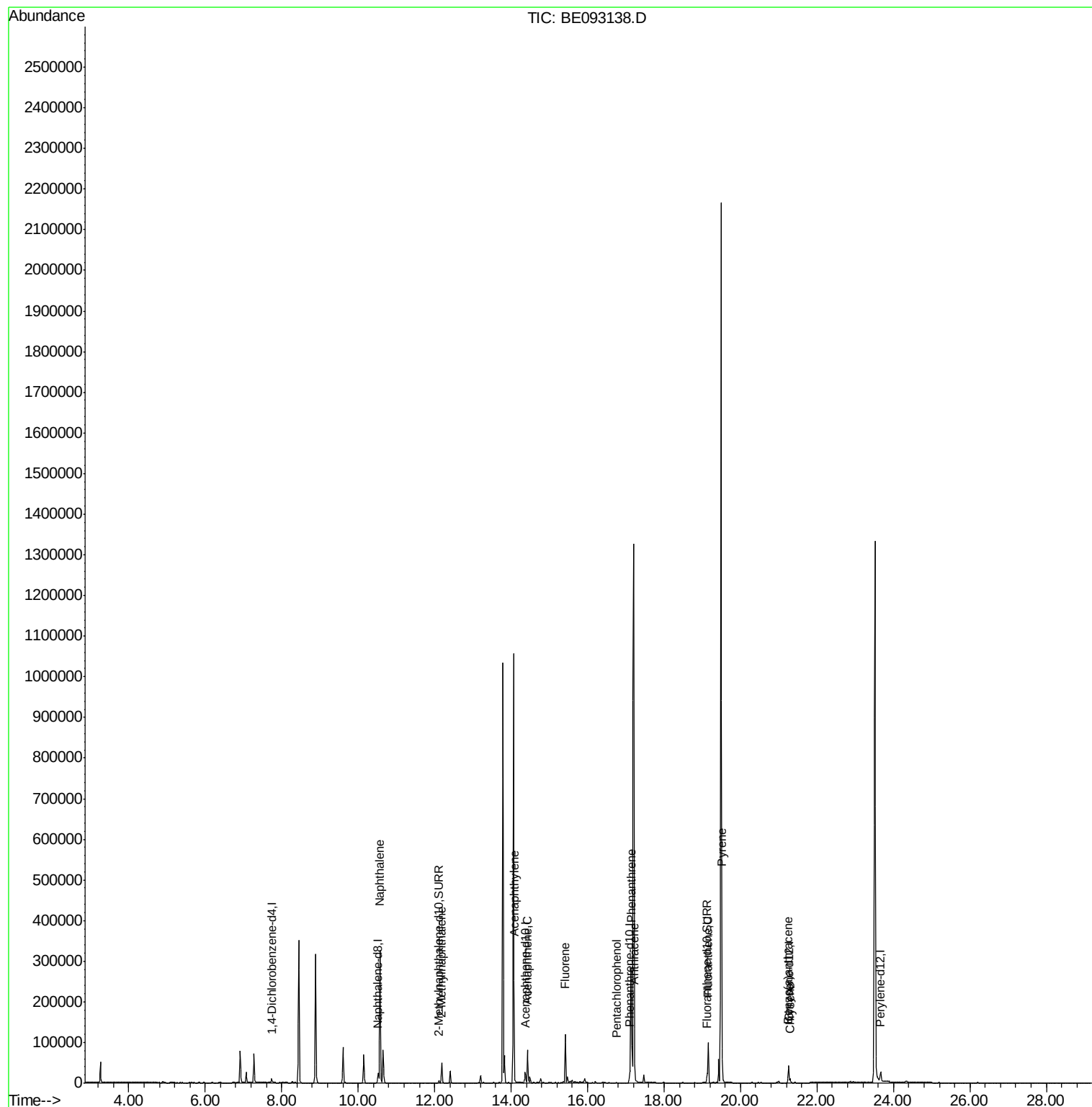
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061317\
Data File : BE093138.D
Acq On : 13 Jun 2017 19:38
Operator : SJ/MA
Sample : I3522-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

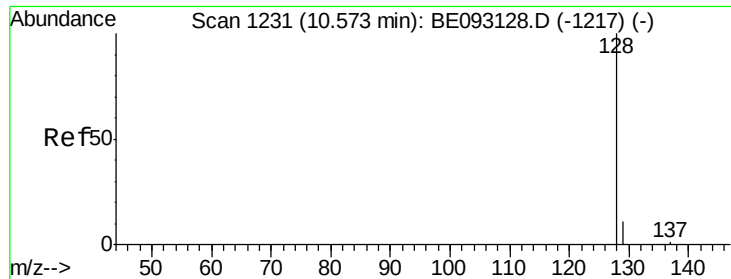
Instrument :
BNA_E
ClientSampleId :
F5C34

Manual Integrations
APPROVED

mohammad
6/14/2017 2:59:11 PM

Quant Time: Jun 14 02:21:55 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 14 01:25:15 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 8.183 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093138.D

Acq: 13 Jun 2017 19:38

Instrument :

BNA_E

ClientSampleId :

F5C34

Tgt Ion:128 Resp: 487893

Ion Ratio Lower Upper

128 100

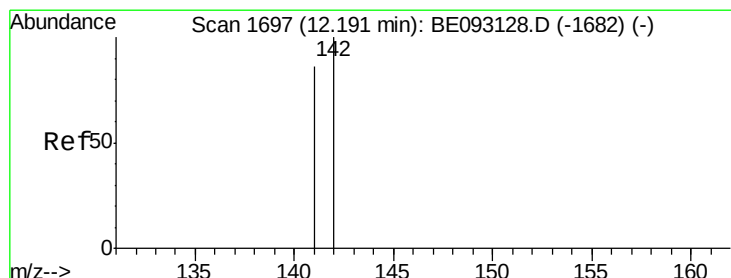
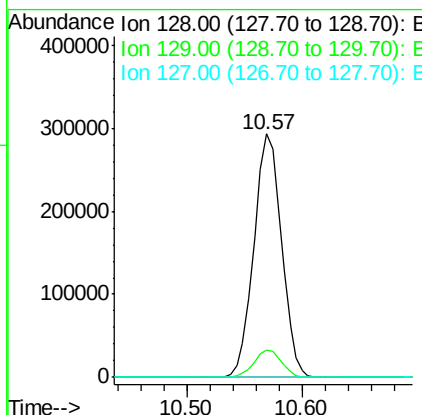
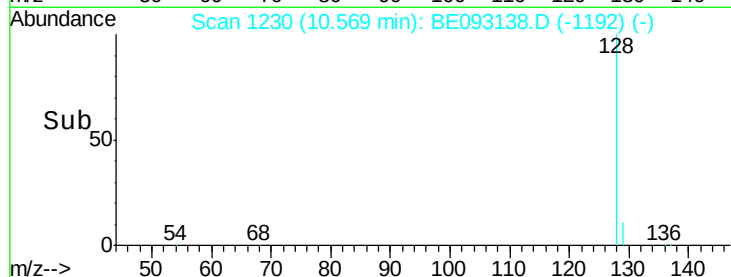
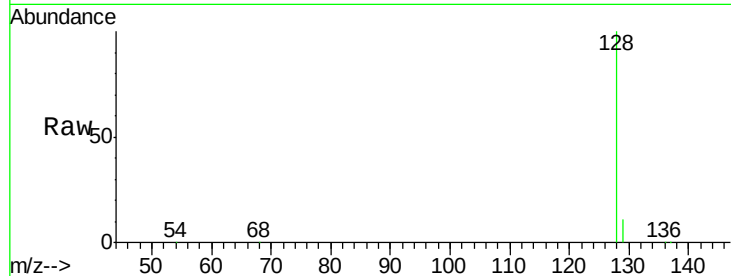
129 11.1 11.3 16.9#

127 0.0 4.0 6.0#

Manual Integrations
APPROVED

mohammad

6/14/2017 2:59:11 PM



#5

2-Methylnaphthalene

Concen: 1.044 ng/ul

RT: 12.19 min Scan# 1696

Delta R.T. -0.00 min

Lab File: BE093138.D

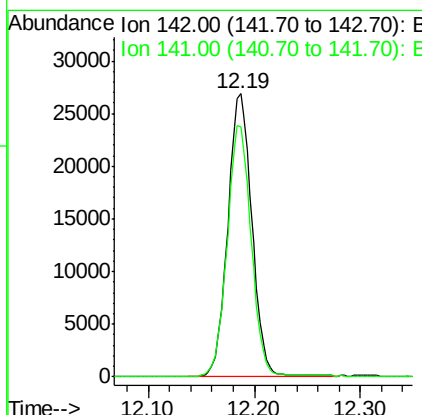
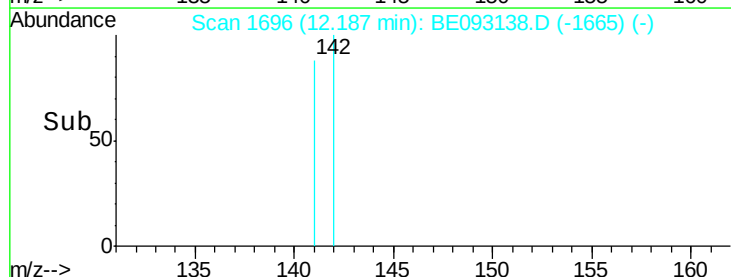
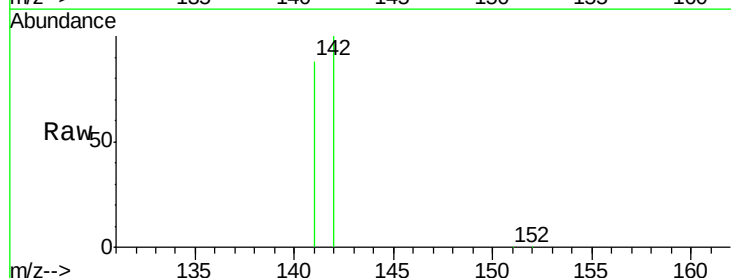
Acq: 13 Jun 2017 19:38

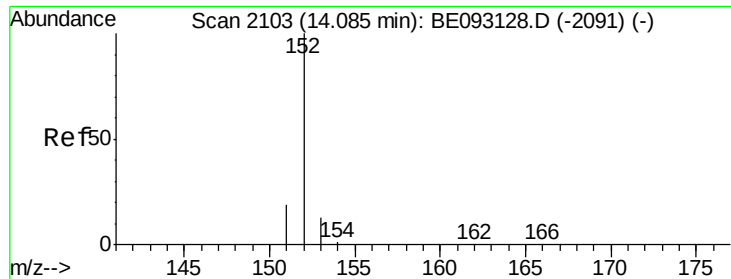
Tgt Ion:142 Resp: 42576

Ion Ratio Lower Upper

142 100

141 88.8 72.6 108.8





#7

Acenaphthylene

Concen: 0.081 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093138.D

Acq: 13 Jun 2017 19:38

Instrument :

BNA_E

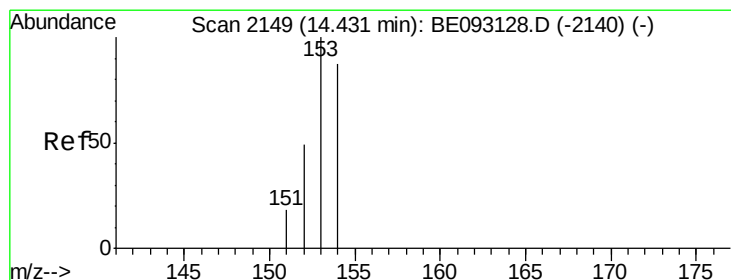
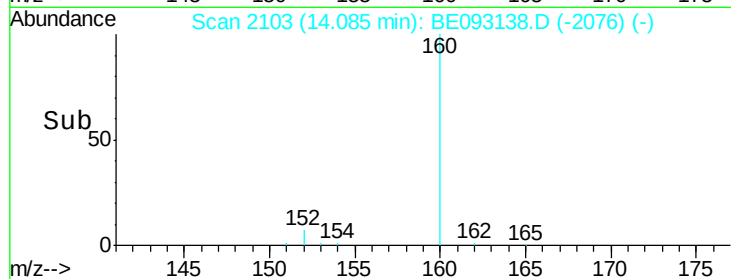
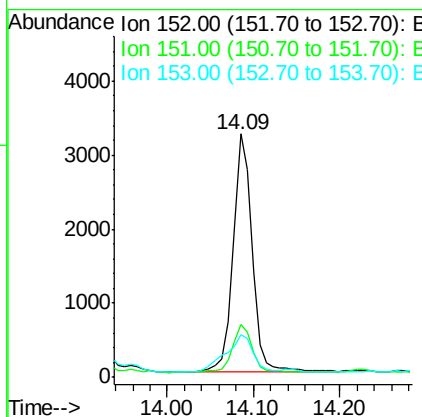
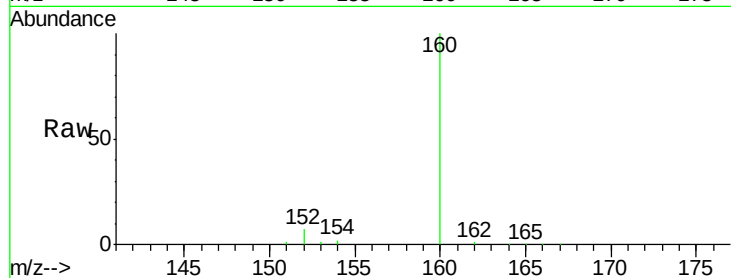
ClientSampleId :

F5C34

Tgt Ion:	152	Resp:	5003
Ion Ratio	Lower	Upper	
152	100		
151	21.7	17.1	25.7
153	17.7	12.8	19.2

Manual Integrations
APPROVED

mohammad
6/14/2017 2:59:11 PM



#8

Acenaphthene

Concen: 0.913 ng/ul

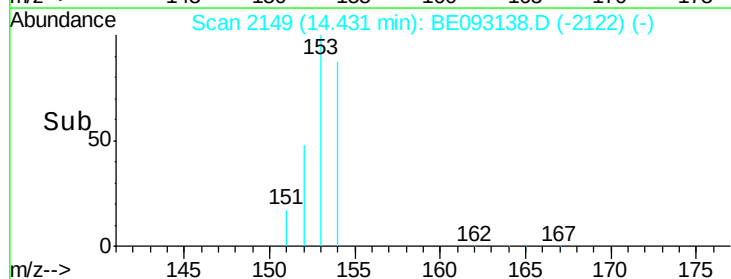
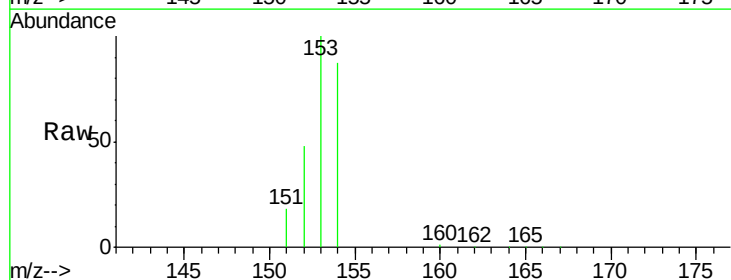
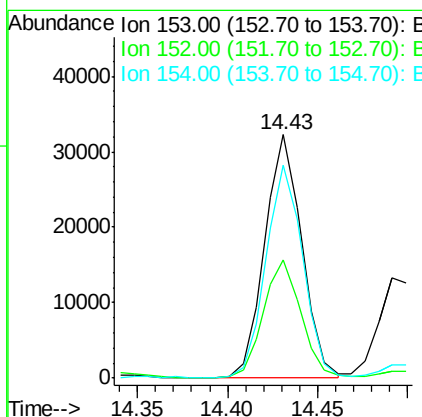
RT: 14.43 min Scan# 2149

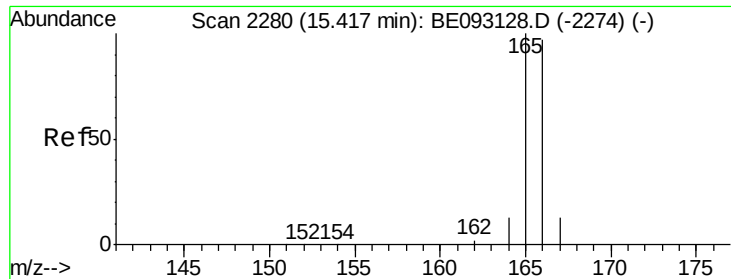
Delta R.T. -0.00 min

Lab File: BE093138.D

Acq: 13 Jun 2017 19:38

Tgt Ion:	153	Resp:	45562
Ion Ratio	Lower	Upper	
153	100		
152	48.3	40.3	60.5
154	87.3	71.4	107.2





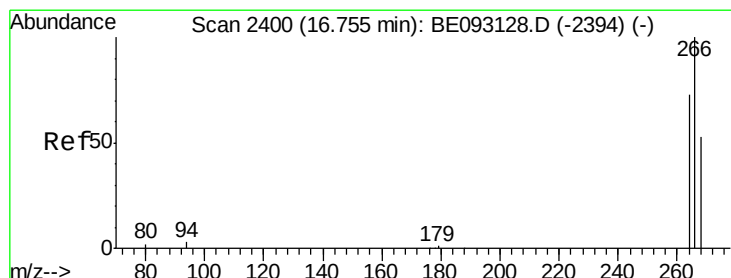
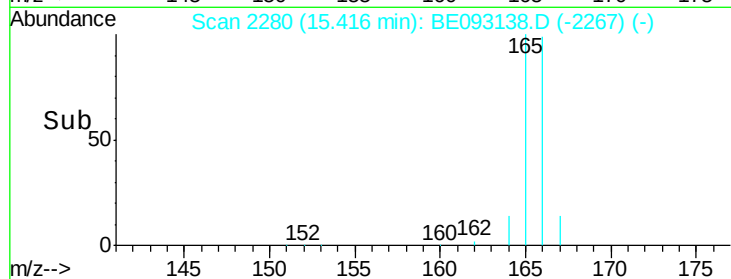
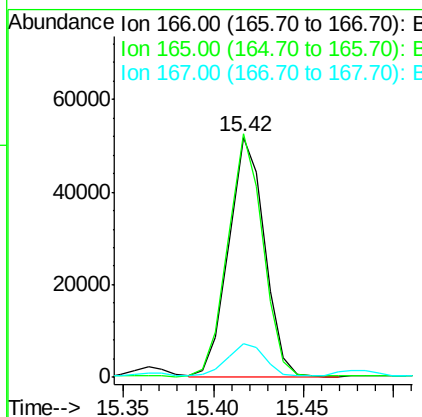
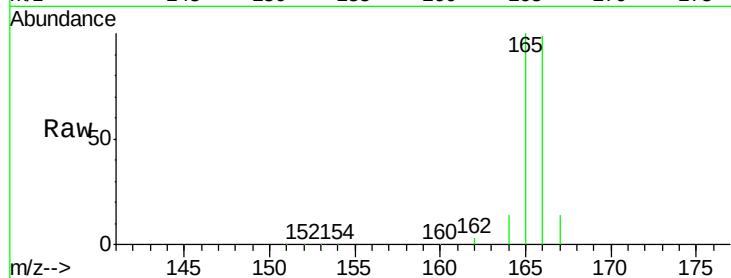
#9
Fluorene
 Concen: 1.220 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BE093138.D
 Acq: 13 Jun 2017 19:38

Instrument :
 BNA_E
 ClientSampleId :
 F5C34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.4	73.4	110.2
167	14.1	14.6	22.0

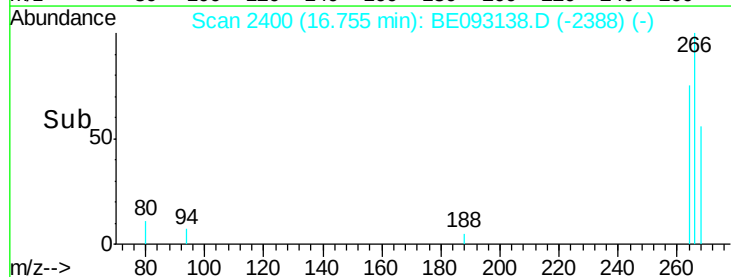
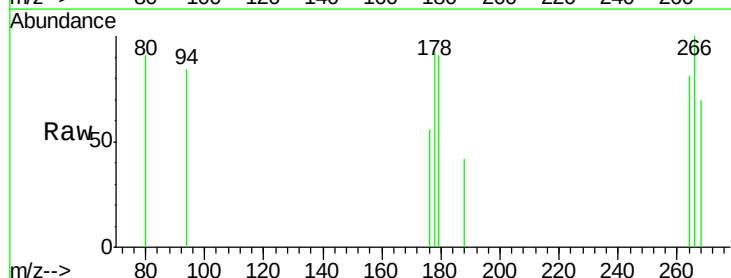
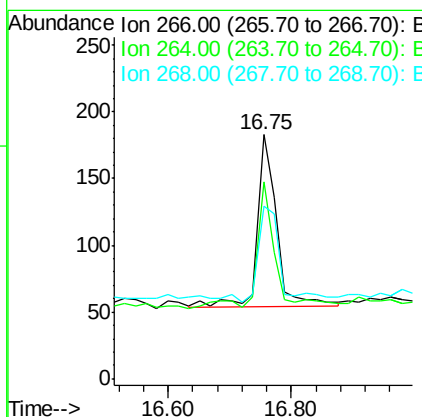
Manual Integrations
 APPROVED

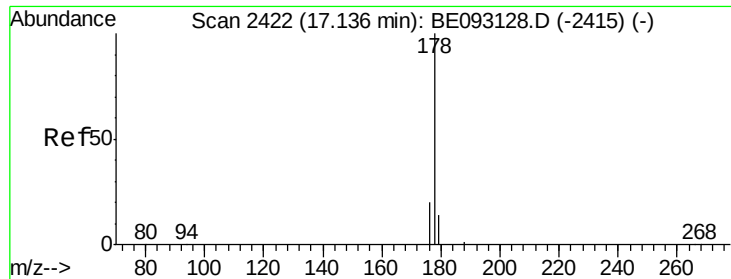
mohammad
 6/14/2017 2:59:11 PM



#11
Pentachlorophenol
 Concen: 0.053 ng/ul
 RT: 16.75 min Scan# 2400
 Delta R.T. -0.00 min
 Lab File: BE093138.D
 Acq: 13 Jun 2017 19:38

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.3	47.9	71.9
268	67.4	49.8	74.8





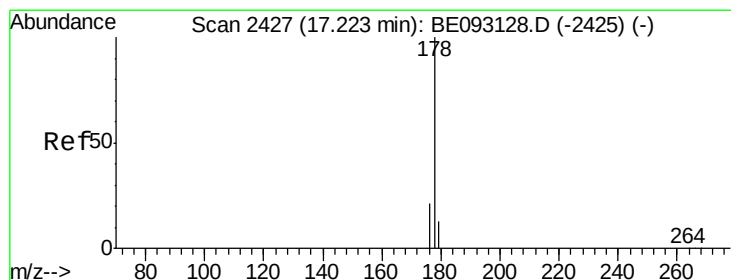
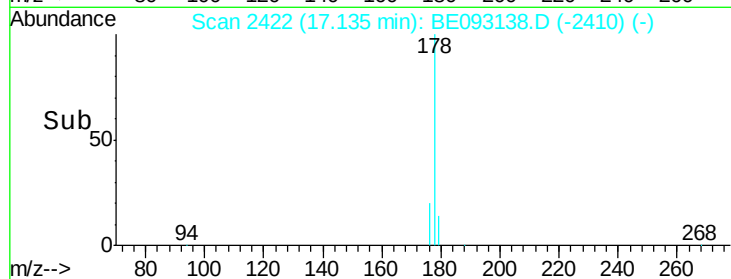
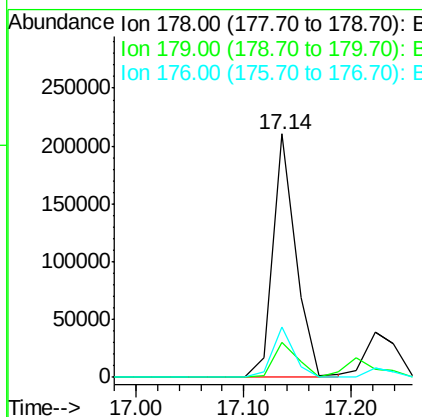
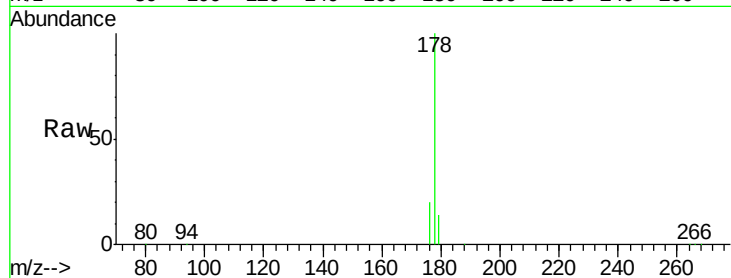
#12
Phenanthrene
Concen: 3.283 ng/ul
RT: 17.14 min Scan# 2422
Delta R.T. -0.00 min
Lab File: BE093138.D
Acq: 13 Jun 2017 19:38

Instrument :
BNA_E
ClientSampled :
F5C34

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.2	18.4	27.6#
176	20.5	13.6	20.4#

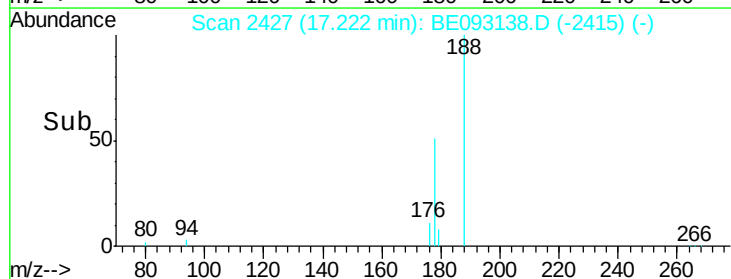
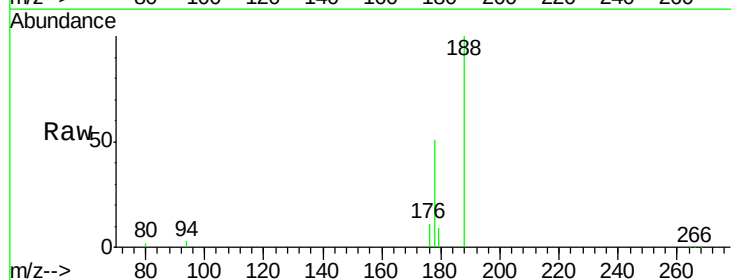
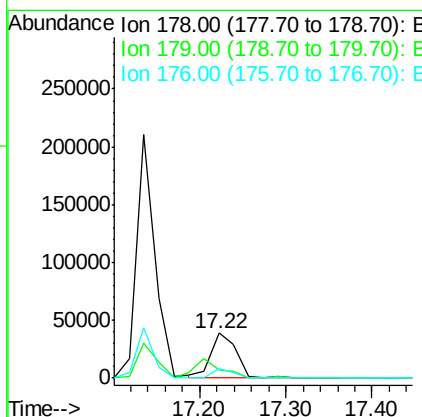
Manual Integrations
APPROVED

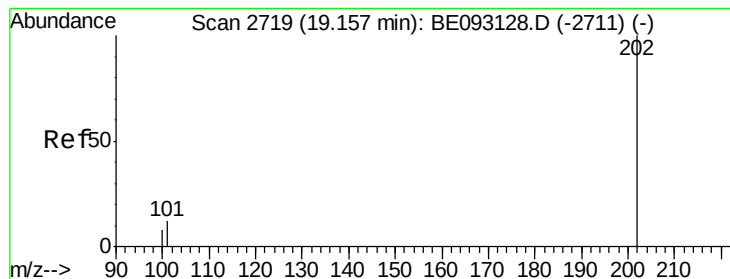
mohammad
6/14/2017 2:59:11 PM



#13
Anthracene
Concen: 0.957 ng/ul
RT: 17.22 min Scan# 2427
Delta R.T. -0.00 min
Lab File: BE093138.D
Acq: 13 Jun 2017 19:38

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.9	18.1	27.1#
176	22.1	14.7	22.1#





#15

Fluoranthene

Concen: 0.956 ng/ul

RT: 19.15 min Scan# 2719

Delta R.T. -0.00 min

Lab File: BE093138.D

Acq: 13 Jun 2017 19:38

Instrument :

BNA_E

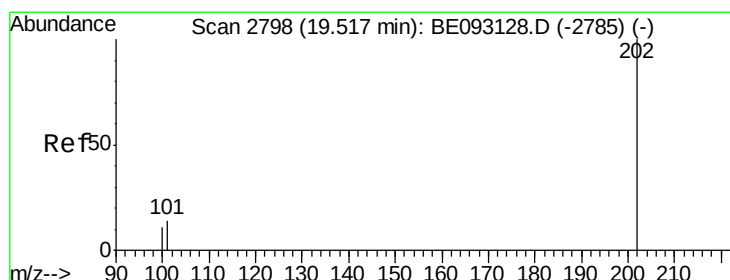
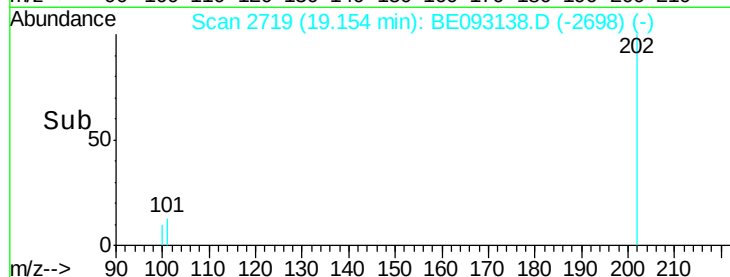
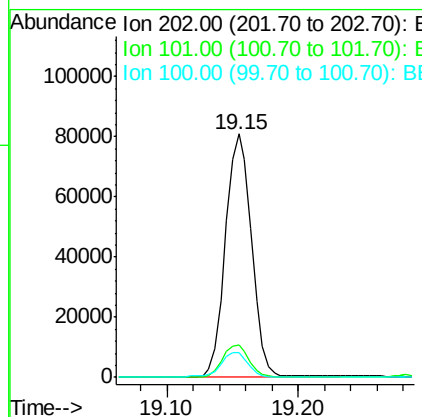
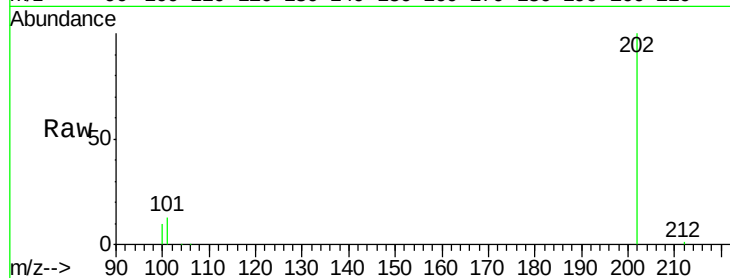
ClientSampleId :

F5C34

Tgt Ion:	202	Resp:	111452
Ion Ratio		Lower	Upper
202	100		
101	13.4	0.0	30.3
100	10.1	0.0	39.5

Manual Integrations
APPROVED

mohammad
6/14/2017 2:59:11 PM



#17

Pyrene

Concen: 0.763 ng/ul

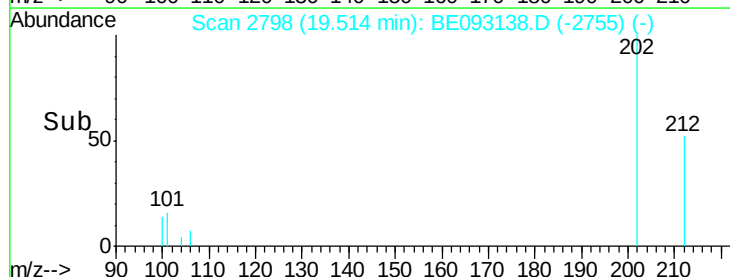
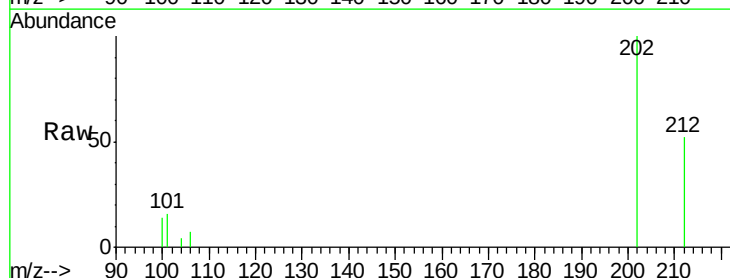
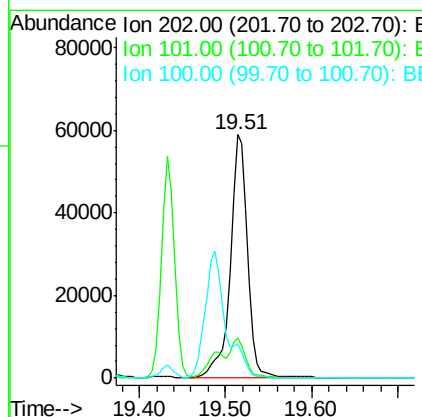
RT: 19.51 min Scan# 2798

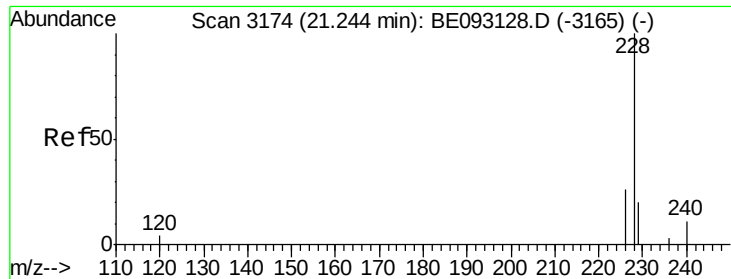
Delta R.T. -0.00 min

Lab File: BE093138.D

Acq: 13 Jun 2017 19:38

Tgt Ion:	202	Resp:	82428
Ion Ratio		Lower	Upper
202	100		
101	16.3	18.2	27.4#
100	13.7	15.6	23.4#





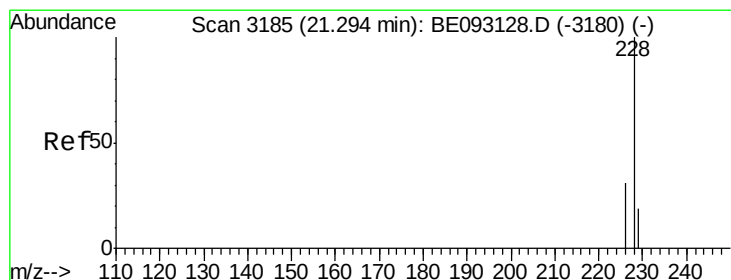
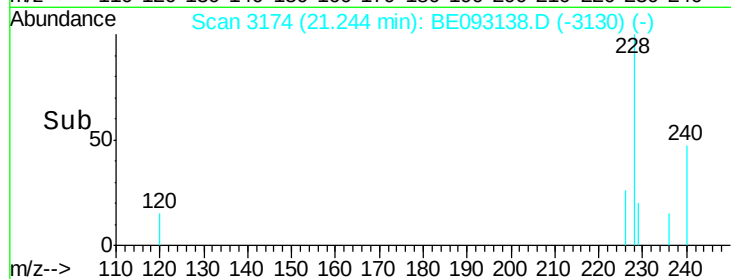
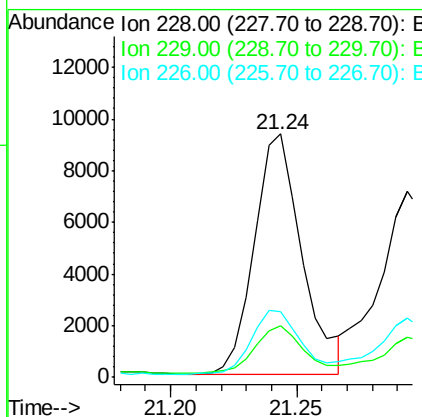
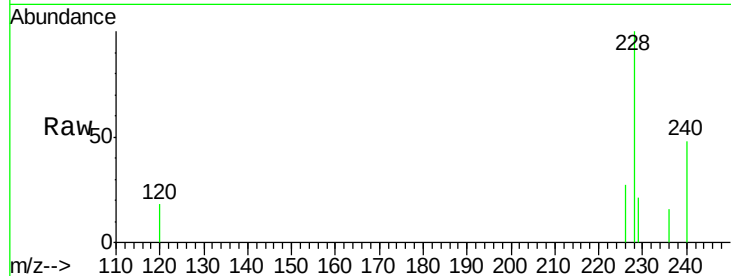
#18
Benzo(a)anthracene
Concen: 0.124 ng/ul
RT: 21.24 min Scan# 3174
Delta R.T. -0.00 min
Lab File: BE093138.D
Acq: 13 Jun 2017 19:38

Instrument :
BNA_E
ClientSampleId :
F5C34

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	22.8	34.2#
226	26.9	17.0	25.6#

Manual Integrations
APPROVED

mohammad
6/14/2017 2:59:11 PM



#19
Chrysene
Concen: 0.105 ng/ul
RT: 21.29 min Scan# 3185
Delta R.T. -0.00 min
Lab File: BE093138.D
Acq: 13 Jun 2017 19:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.4	35.0
229	21.7	17.7	26.5

