

Data Path : Z:\HPCHEM1\BNA_E\Data\BE061917\
 Data File : BE093264.D
 Acq On : 19 Jun 2017 23:29
 Operator : SJ/MA
 Sample : I3600-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5A17

Manual Integrations
 APPROVED

mohammad
 6/20/2017 3:12:58 PM

Quant Time: Jun 30 08:50:50 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 08:49:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2594	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	13303	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	8437	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	20337m	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	20543	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	16614m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	6676	0.34	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	19374	0.35	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	812	0.025	ng/ul#	78
7) Acenaphthylene	14.09	152	1171	0.032	ng/ul#	87
12) Phenanthrene	17.14	178	989	0.018	ng/ul#	80
13) Anthracene	17.22	178	6105	0.125	ng/ul#	93
15) Fluoranthene	19.15	202	1872	0.027	ng/ul#	61
17) Pyrene	19.52	202	3566	0.059	ng/ul	99
19) Chrysene	21.29	228	2257	0.040	ng/ul#	66
21) Benzo(b)fluoranthene	22.93	252	4912	0.097	ng/ul#	75
22) Benzo(k)fluoranthene	22.98	252	1536m	0.029	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.18	276	1998m	0.036	ng/ul	
26) Benzo(g,h,i)perylene	26.96	276	1738	0.037	ng/ul#	62

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

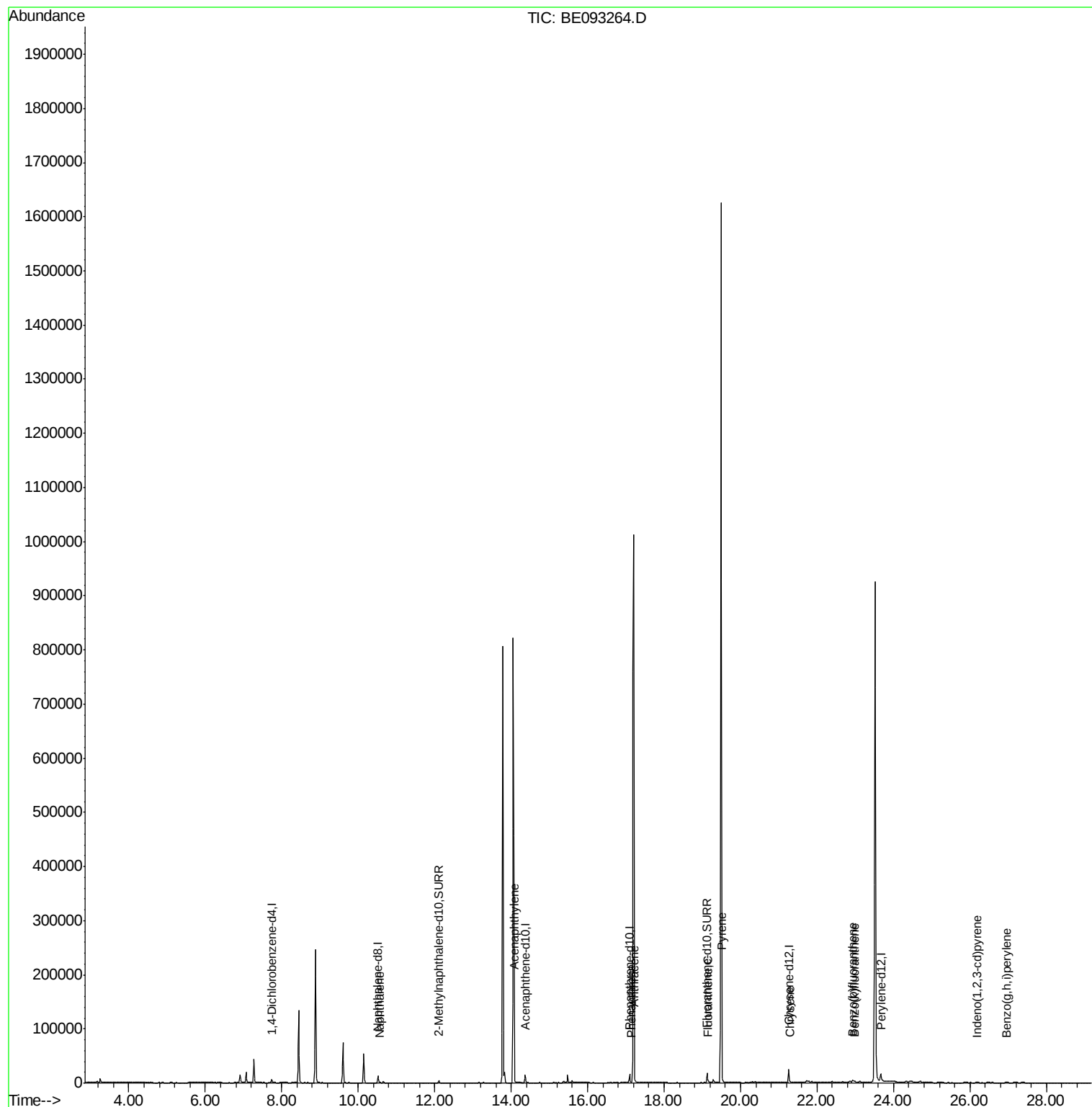
Data Path : Z:\HPCHEM1\BNA_E\Data\BE061917\
Data File : BE093264.D
Acq On : 19 Jun 2017 23:29
Operator : SJ/MA
Sample : I3600-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

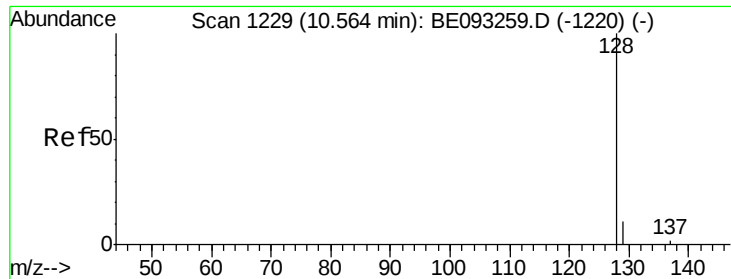
Instrument :
BNA_E
ClientSampleId :
F5A17

Manual Integrations
APPROVED

mohammad
6/20/2017 3:12:58 PM

Quant Time: Jun 30 08:50:50 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 08:49:11 2017
Response via : Initial Calibration





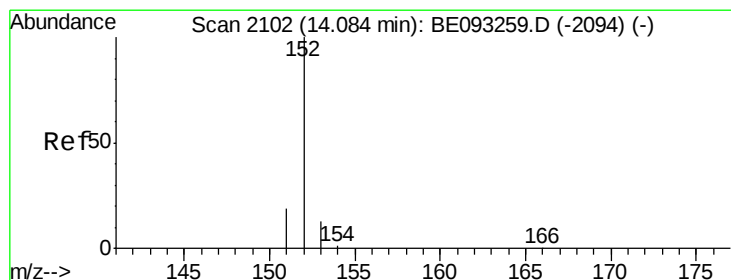
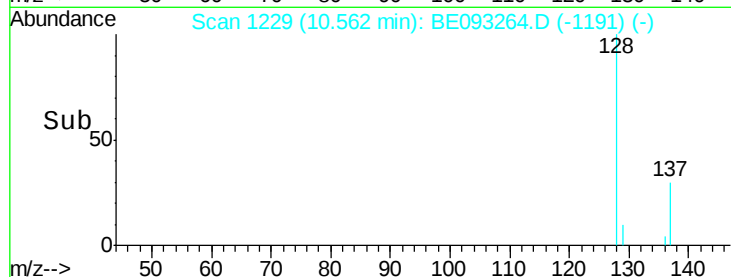
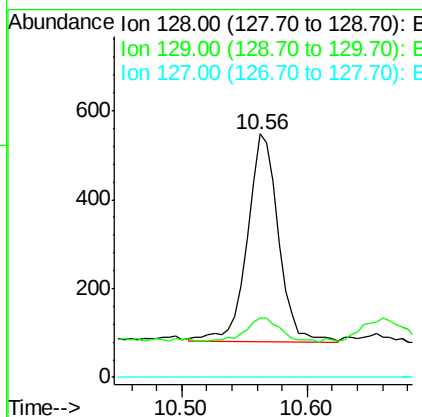
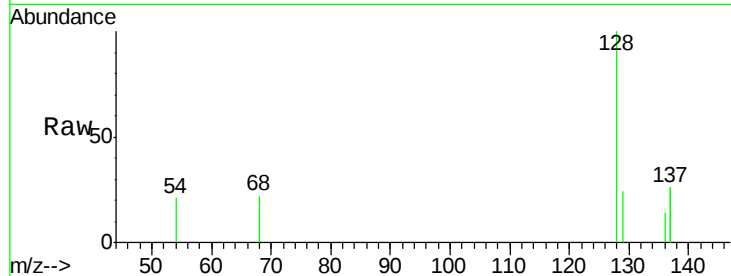
#3
Naphthalene
Concen: 0.025 ng/ul
RT: 10.56 min Scan# 1229
Delta R.T. -0.00 min
Lab File: BE093264.D
Acq: 19 Jun 2017 23:29

Instrument :
BNA_E
ClientSampleId :
F5A17

Tgt Ion	Ratio	Lower	Upper
128	100		
129	24.3	11.3	16.9#
127	0.0	4.0	6.0#

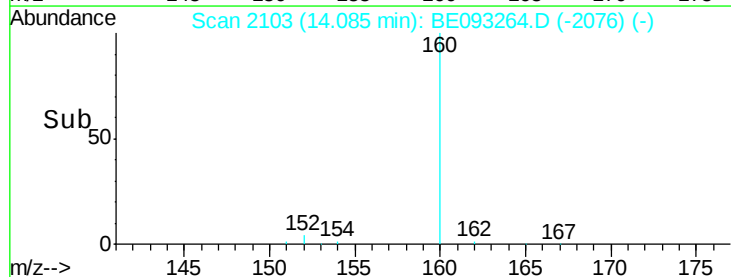
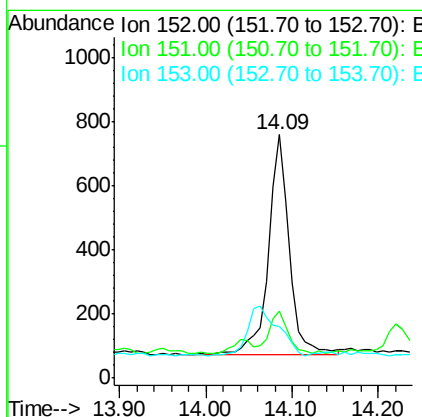
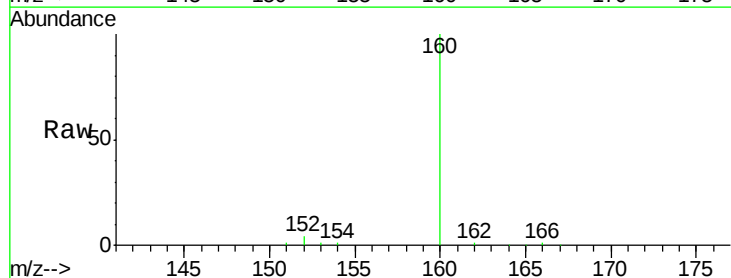
Manual Integrations
APPROVED

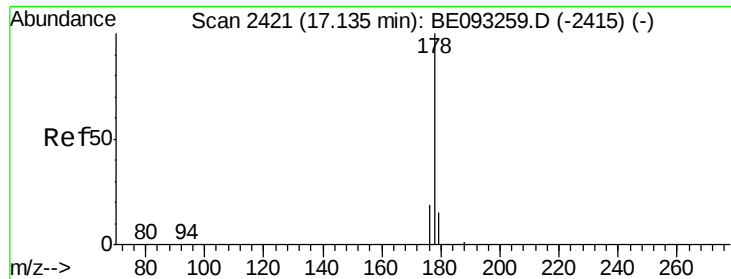
mohammad
6/20/2017 3:12:58 PM



#7
Acenaphthylene
Concen: 0.032 ng/ul
RT: 14.09 min Scan# 2103
Delta R.T. 0.00 min
Lab File: BE093264.D
Acq: 19 Jun 2017 23:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	27.3	17.1	25.7#
153	21.3	12.8	19.2#





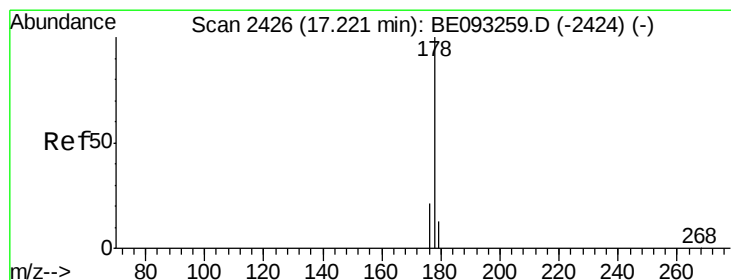
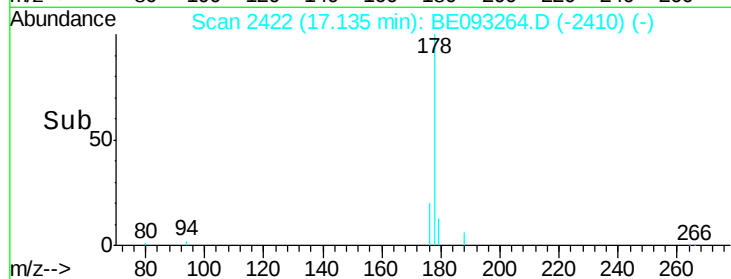
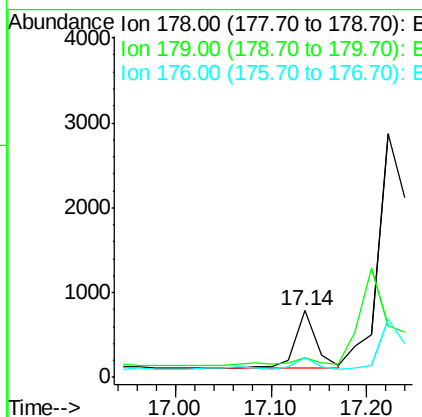
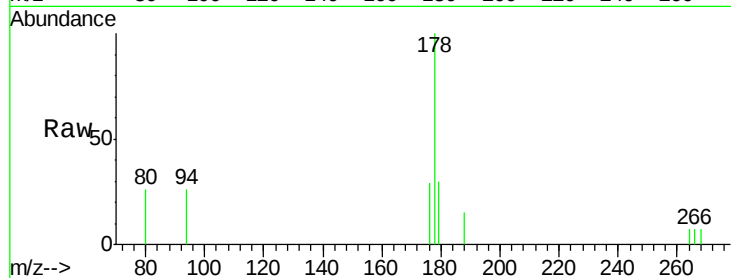
#12
Phenanthrene
Concen: 0.018 ng/ul
RT: 17.14 min Scan# 2422
Delta R.T. 0.00 min
Lab File: BE093264.D
Acq: 19 Jun 2017 23:29

Instrument :
BNA_E
ClientSampleId :
F5A17

Tgt Ion	Ratio	Lower	Upper
178	100		
179	29.8	18.4	27.6#
176	29.3	13.6	20.4#

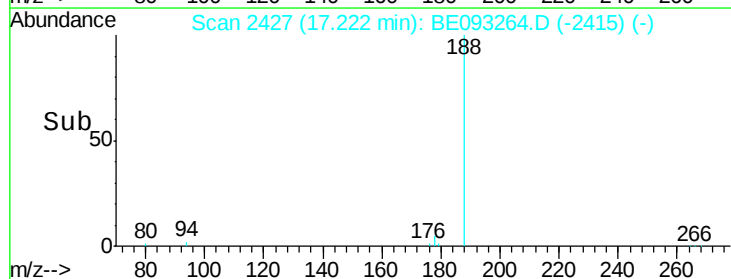
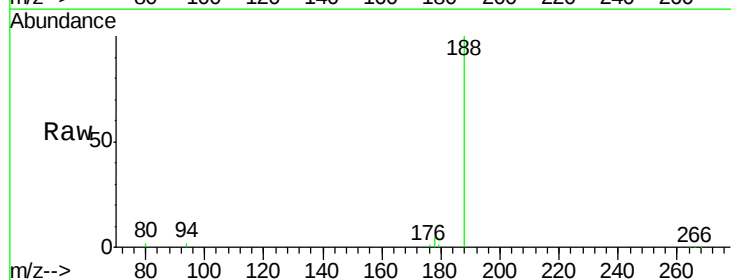
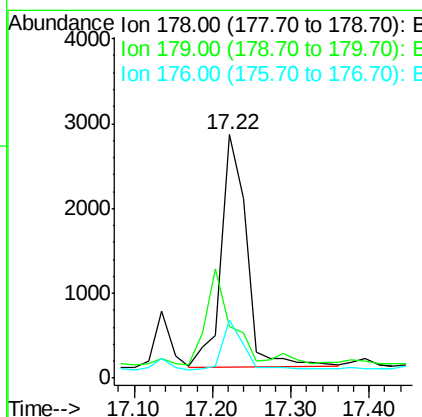
Manual Integrations
APPROVED

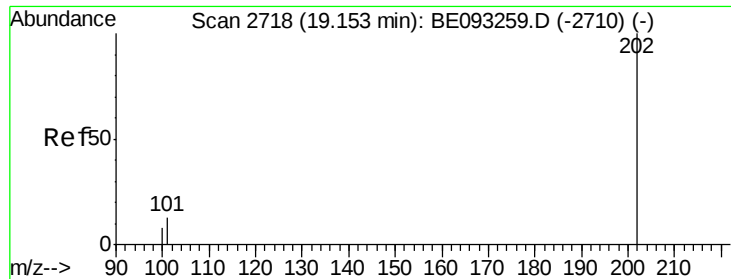
mohammad
6/20/2017 3:12:58 PM



#13
Anthracene
Concen: 0.125 ng/ul
RT: 17.22 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BE093264.D
Acq: 19 Jun 2017 23:29

Tgt Ion	Ratio	Lower	Upper
178	100		
179	21.3	18.1	27.1
176	24.0	14.7	22.1#





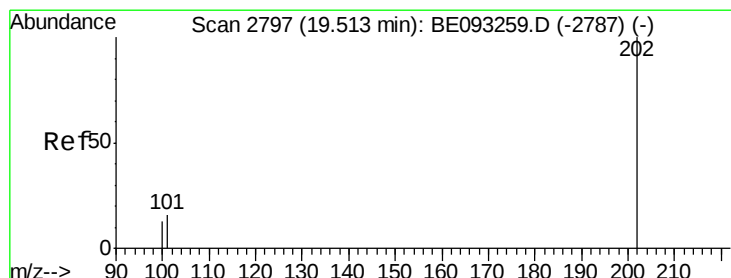
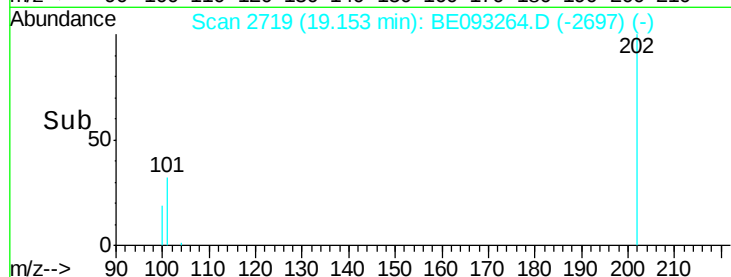
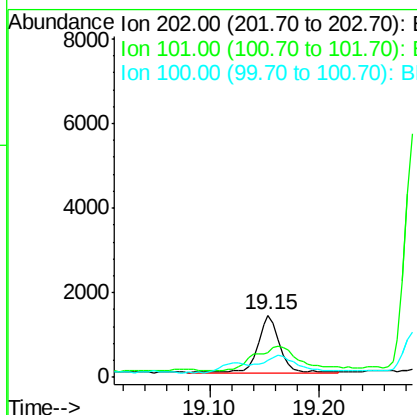
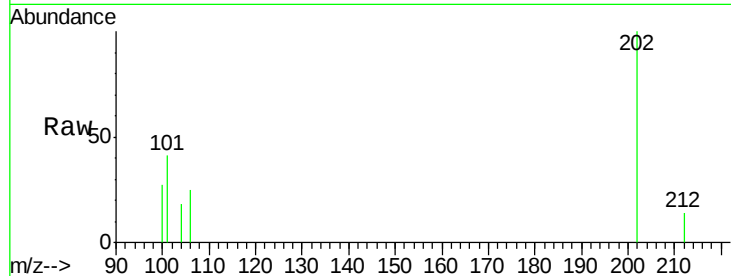
#15
Fluoranthene
 Concen: 0.027 ng/ul
 RT: 19.15 min Scan# 2719
 Delta R.T. -0.00 min
 Lab File: BE093264.D
 Acq: 19 Jun 2017 23:29

Instrument :
 BNA_E
 ClientSampleId :
 F5A17

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1872		
101	40.9	0.0	30.3#	
100	26.7	0.0	39.5	

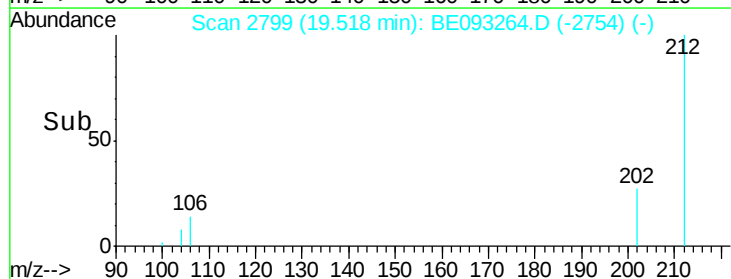
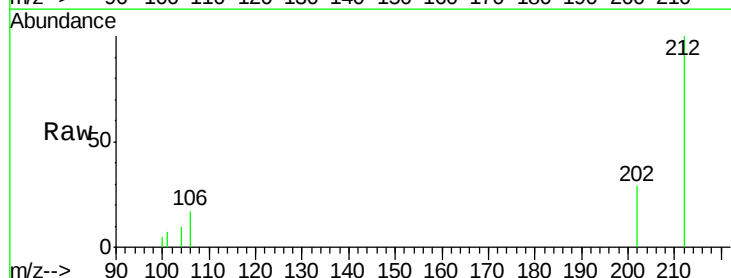
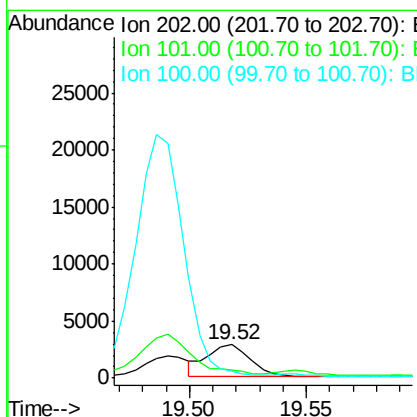
Manual Integrations
 APPROVED

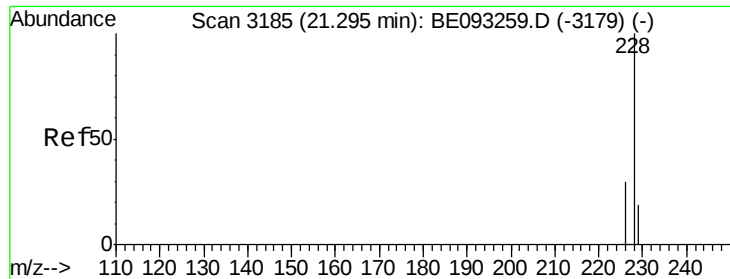
mohammad
 6/20/2017 3:12:58 PM



#17
Pyrene
 Concen: 0.059 ng/ul
 RT: 19.52 min Scan# 2799
 Delta R.T. 0.00 min
 Lab File: BE093264.D
 Acq: 19 Jun 2017 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3566		
101	22.9	18.2	27.4	
100	18.6	15.6	23.4	





#19

Chrysene

Concen: 0.040 ng/ul

RT: 21.29 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE093264.D

Acq: 19 Jun 2017 23:29

Instrument :

BNA_E

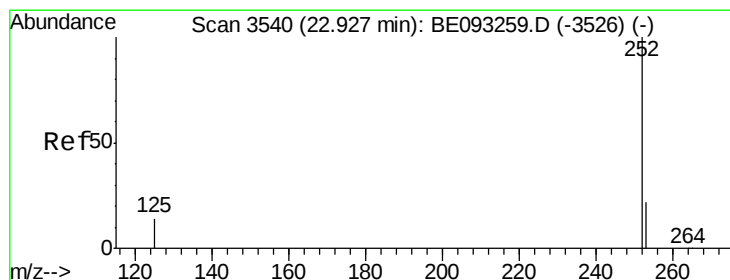
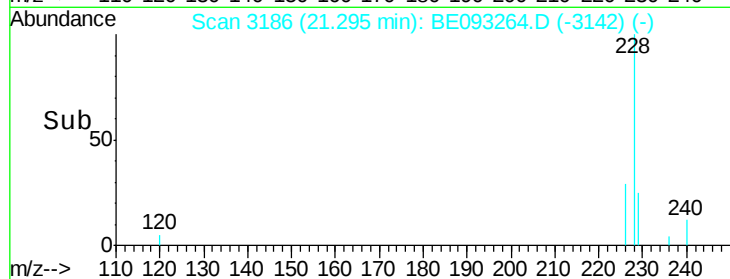
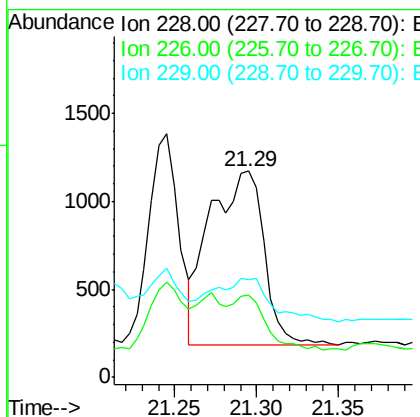
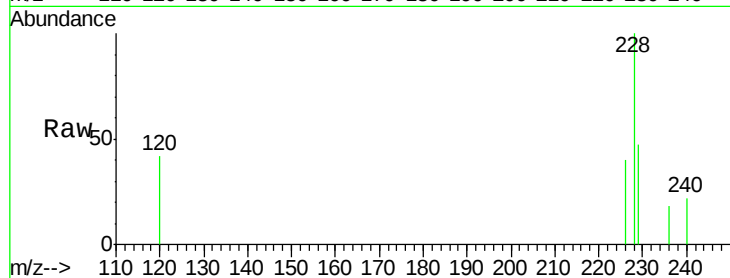
ClientSampleId :

F5A17

Tgt Ion:	228	Resp:	2257
Ion Ratio	Lower	Upper	
228	100		
226	39.7	23.4	35.0#
229	47.1	17.7	26.5#

Manual Integrations
APPROVED

mohammad
6/20/2017 3:12:58 PM



#21

Benzo(b)fluoranthene

Concen: 0.097 ng/ul

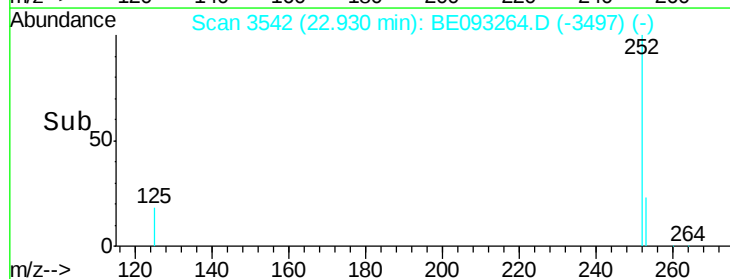
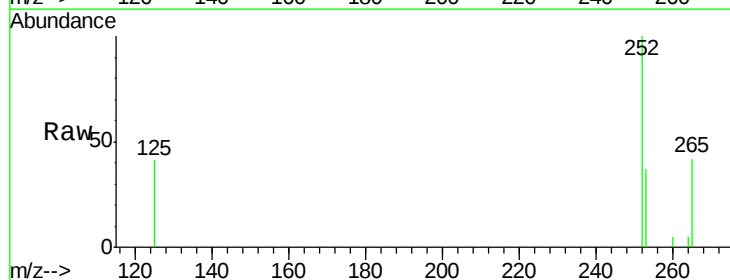
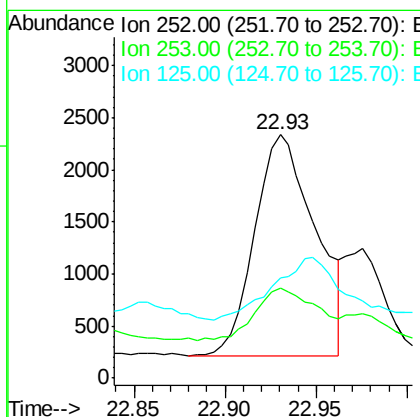
RT: 22.93 min Scan# 3542

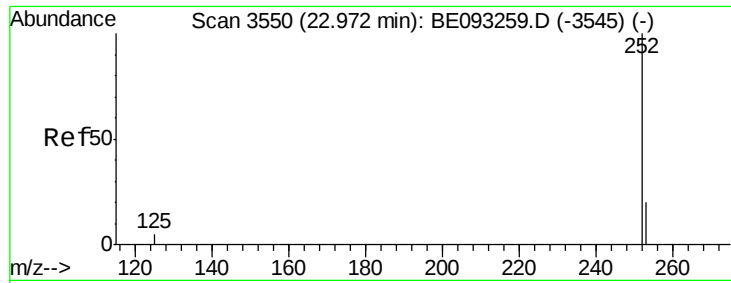
Delta R.T. 0.00 min

Lab File: BE093264.D

Acq: 19 Jun 2017 23:29

Tgt Ion:	252	Resp:	4912
Ion Ratio	Lower	Upper	
252	100		
253	36.8	0.0	64.2
125	41.2	0.0	35.0#





#22

Benzo(k)fluoranthene

Concen: 0.029 ng/ul m

RT: 22.98 min Scan# 3552

Delta R.T. 0.00 min

Lab File: BE093264.D

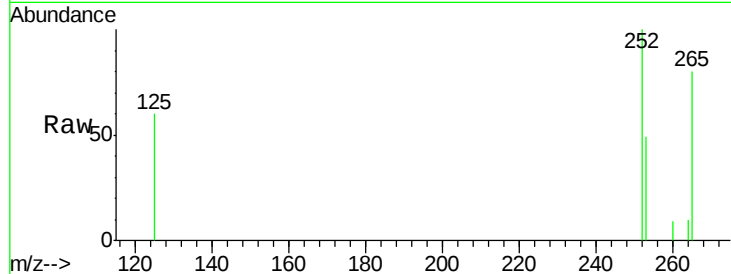
Acq: 19 Jun 2017 23:29

Instrument :

BNA_E

ClientSampleId :

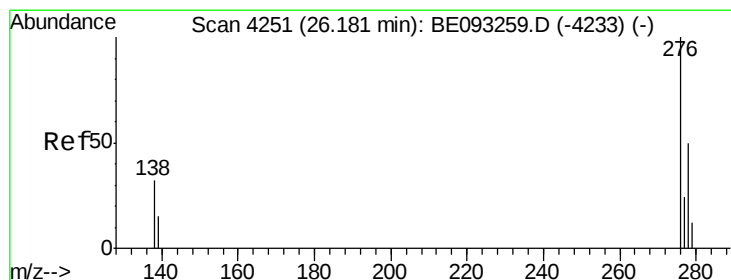
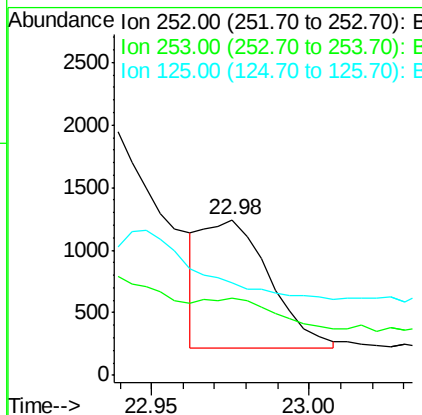
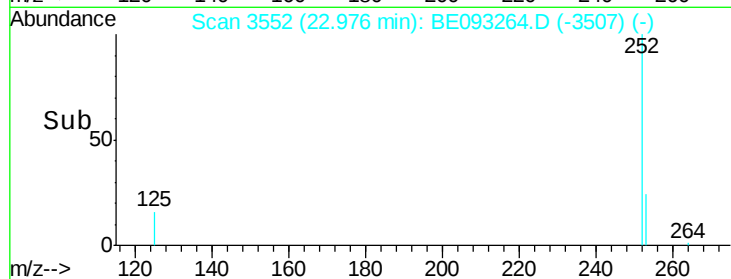
F5A17



Tgt Ion:	252	Resp:	1536
Ion Ratio	Lower	Upper	
252	100		
253	49.5	24.5	36.7#
125	59.9	13.7	20.5#

Manual Integrations
APPROVED

mohammad
6/20/2017 3:12:58 PM



#24

Indeno(1,2,3-cd)pyrene

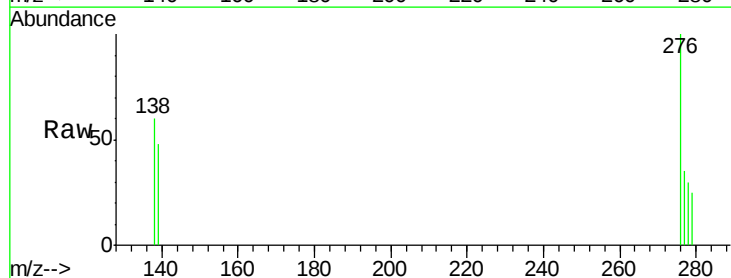
Concen: 0.036 ng/ul m

RT: 26.18 min Scan# 4252

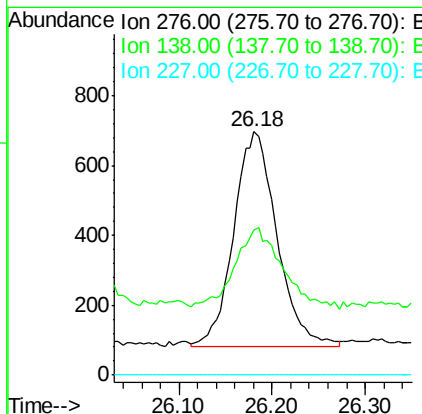
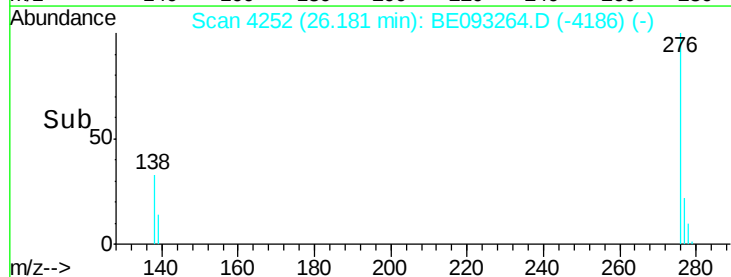
Delta R.T. -0.00 min

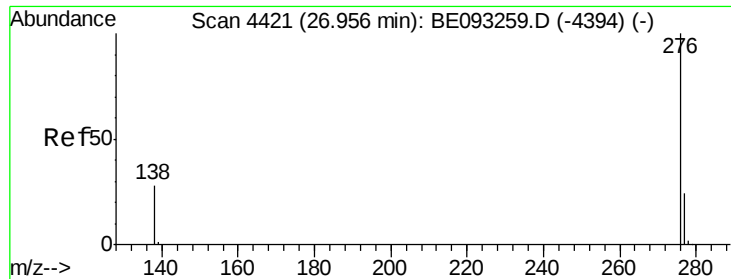
Lab File: BE093264.D

Acq: 19 Jun 2017 23:29



Tgt Ion:	276	Resp:	1998
Ion Ratio	Lower	Upper	
276	100		
138	2.1	28.0	42.0#
227	0.0	8.0	12.0#





#26
Benzo(g,h,i)perylene
Concen: 0.037 ng/ul
RT: 26.96 min Scan# 4423
Delta R.T. 0.00 min
Lab File: BE093264.D
Acq: 19 Jun 2017 23:29

Instrument :
BNA_E
ClientSampleId :
F5A17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	53.4	21.8	32.8#
277	38.1	20.5	30.7#

Manual Integrations
APPROVED

mohammad
6/20/2017 3:12:58 PM

