

Data Path : Z:\HPCHEM1\BNA E\DATA\BE062117\
 Data File : BE093309.D
 Acq On : 21 Jun 2017 10:32
 Operator : SJ/JU
 Sample : I3627-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5A08

Manual Integrations
 APPROVED

mohammad
 6/22/2017 11:48:34 AM

Quant Time: Jun 22 02:19:09 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 22 02:10:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1610	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	8613	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	5614	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	13208m	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13163	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11058m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	3941	0.31	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	11281	0.31	ng/ul	0.00
Target Compounds						Ovalue
3) Naphthalene	10.56	128	4551	0.21	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	1125	0.08	ng/ul	99
7) Acenaphthylene	14.08	152	13902	0.58	ng/ul	96
8) Acenaphthene	14.43	153	3325	0.17	ng/ul	98
9) Fluorene	15.42	166	5880	0.26	ng/ul	94
12) Phenanthrene	17.14	178	60272	1.66	ng/ul#	89
13) Anthracene	17.22	178	18722	0.59	ng/ul#	89
15) Fluoranthene	19.15	202	161717	3.63	ng/ul	83
17) Pyrene	19.51	202	197363	5.08	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	100770	2.87	ng/ul#	85
19) Chrysene	21.30	228	125610	3.45	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	185352	5.52	ng/ul	86
22) Benzo(k)fluoranthene	22.97	252	55997m	1.57	ng/ul	
23) Benzo(a)pyrene	23.56	252	103510m	3.26	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.18	276	60860m	1.66	ng/ul	
25) Dibenzo(a,h)anthracene	26.19	278	16424m	0.53	ng/ul	
26) Benzo(a,h,i)perylene	26.96	276	43792	1.39	ng/ul	97

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

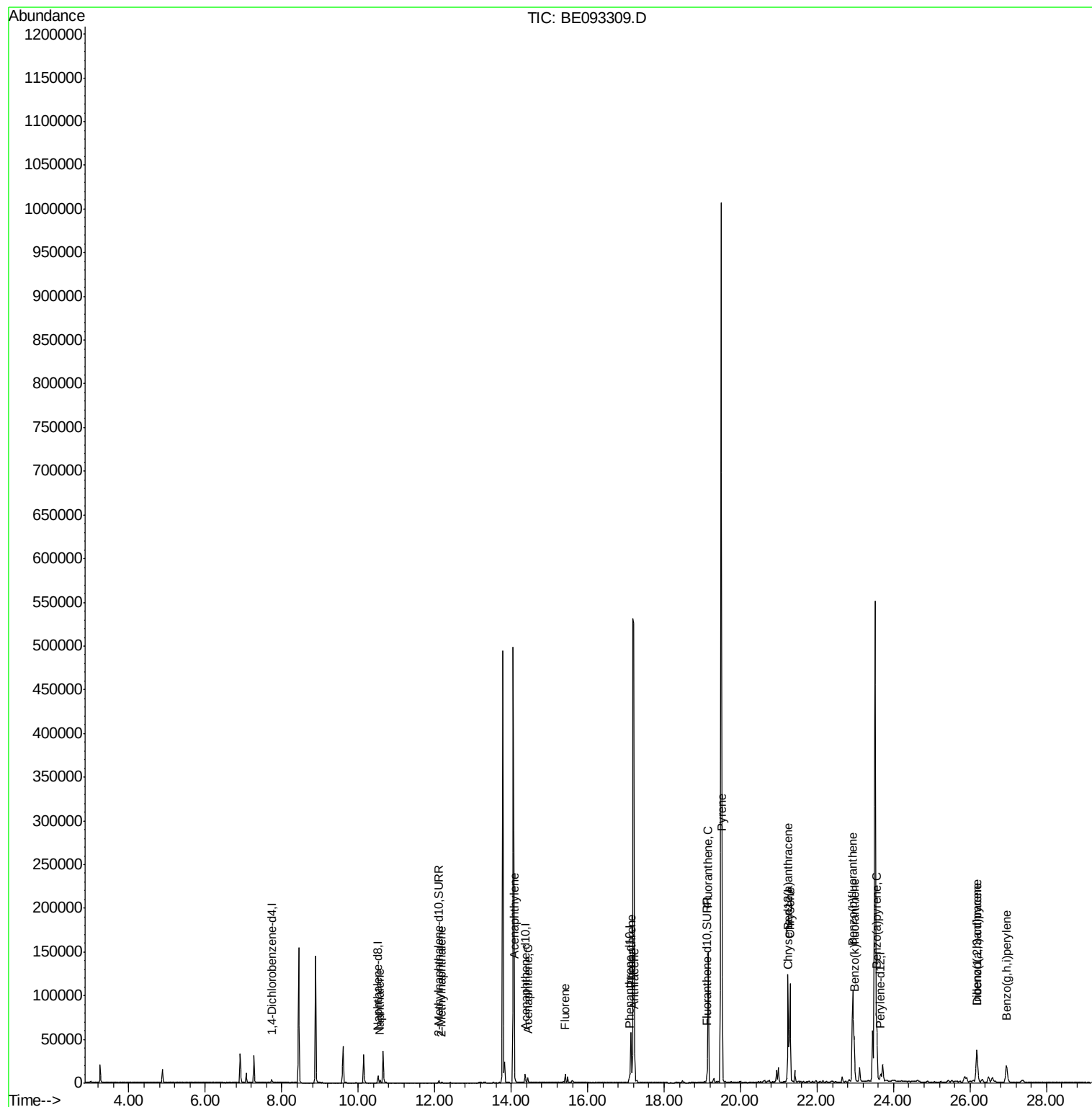
Data Path : Z:\HPCHEM1\BNA E\DATA\BE062117\
Data File : BE093309.D
Acq On : 21 Jun 2017 10:32
Operator : SJ/JU
Sample : I3627-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

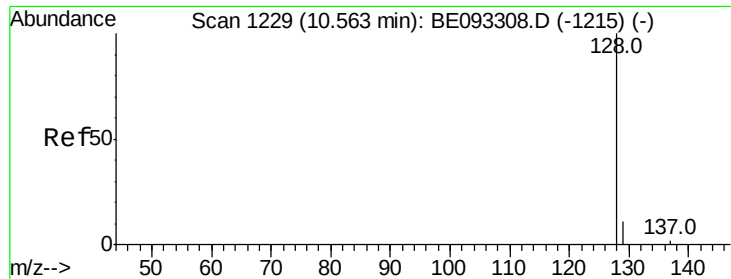
Instrument :
BNA_E
ClientSampleId :
F5A08

Manual Integrations
APPROVED

mohammad
6/22/2017 11:48:34 AM

Quant Time: Jun 22 02:19:09 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 22 02:10:17 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.21 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Instrument :

BNA_E

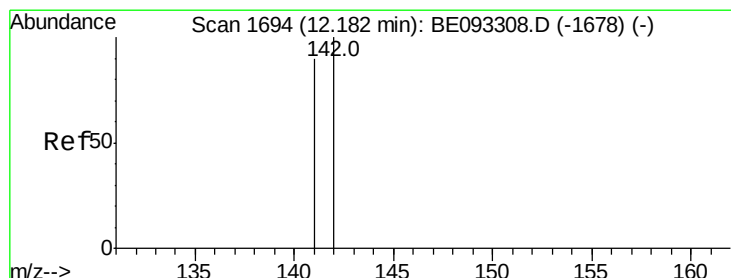
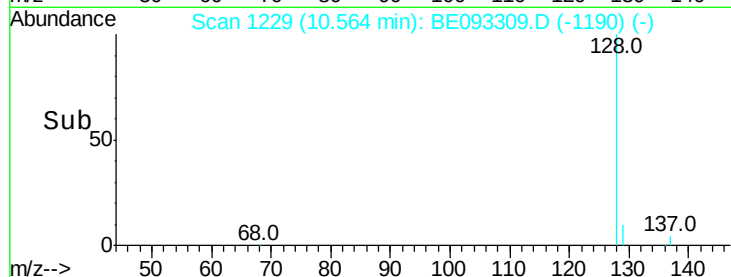
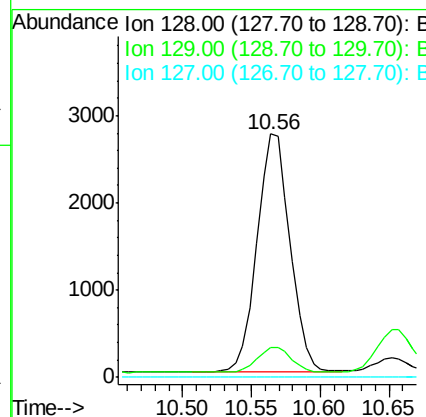
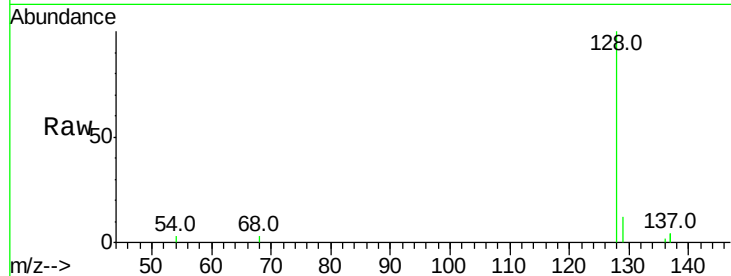
ClientSampleId :

F5A08

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.4	11.3	16.9
127	0.0	4.0	6.0

Manual Integrations
APPROVED

mohammad
6/22/2017 11:48:34 AM



#5

2-Methylnaphthalene

Concen: 0.08 ng/ul

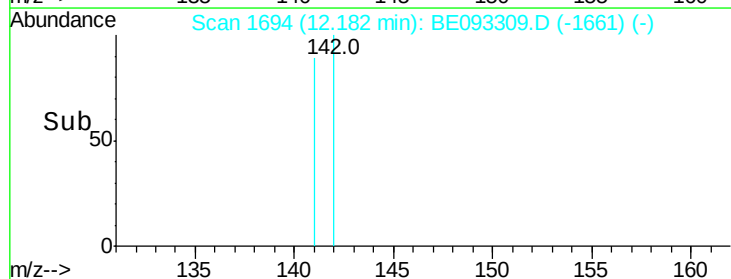
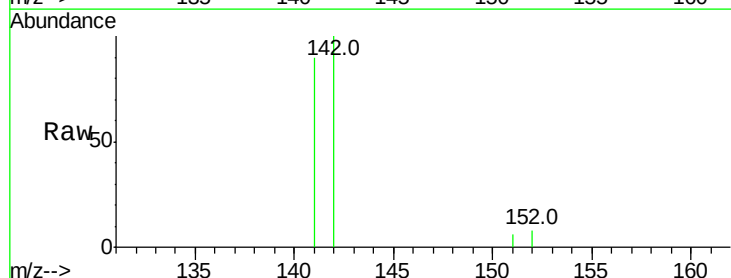
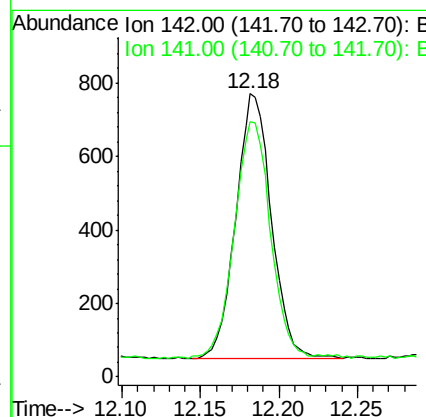
RT: 12.18 min Scan# 1694

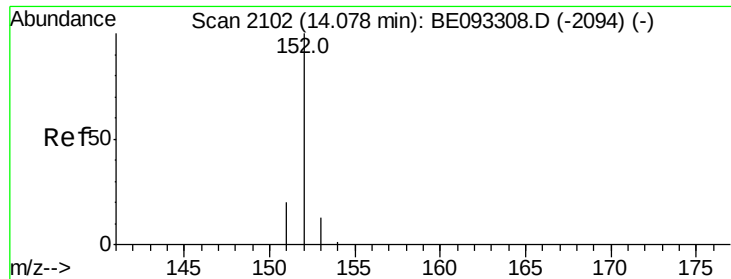
Delta R.T. 0.00 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.6	72.6	108.8





#7

Acenaphthylene

Concen: 0.58 ng/ul

RT: 14.08 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Instrument :

BNA_E

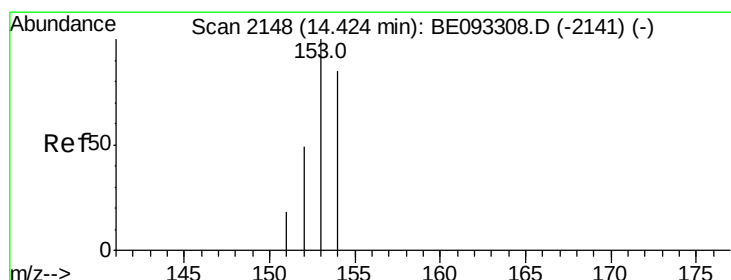
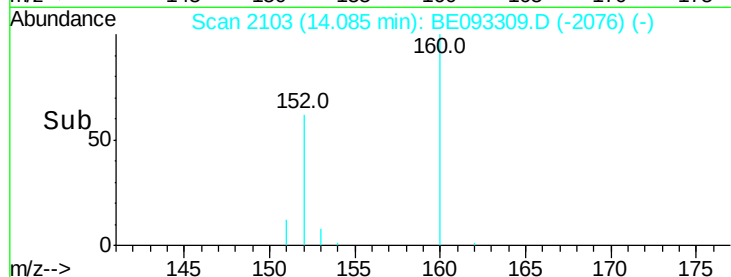
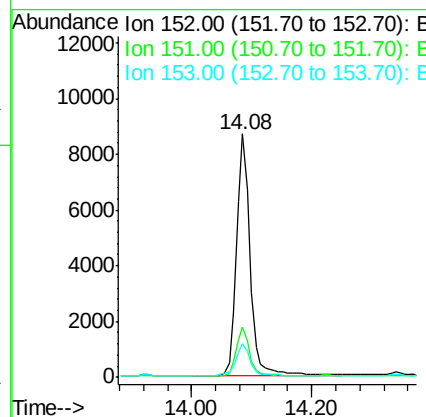
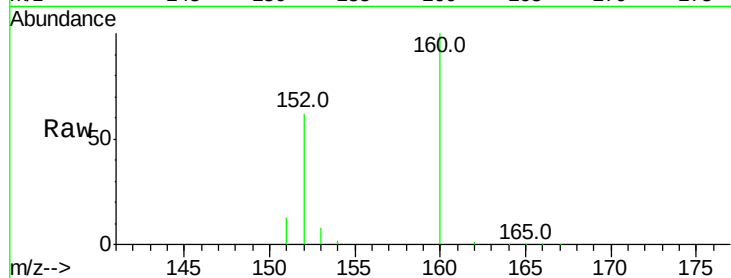
ClientSampled :

F5A08

Tot Ion:	152	Resp:	13902
Ion Ratio	Lower	Upper	
152	100		
151	20.5	17.1	25.7
153	13.6	12.8	19.2

Manual Integrations
APPROVED

mohammad
6/22/2017 11:48:34 AM



#8

Acenaphthene

Concen: 0.17 ng/ul

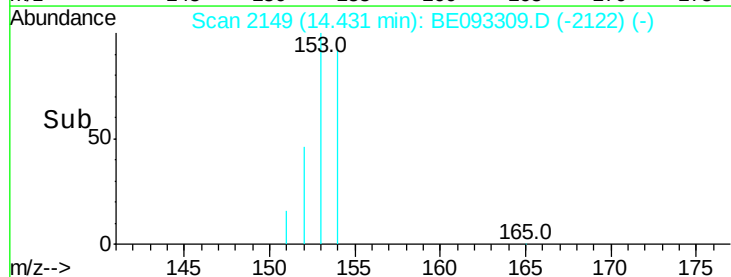
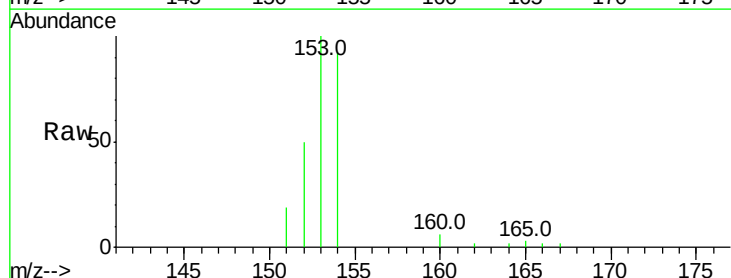
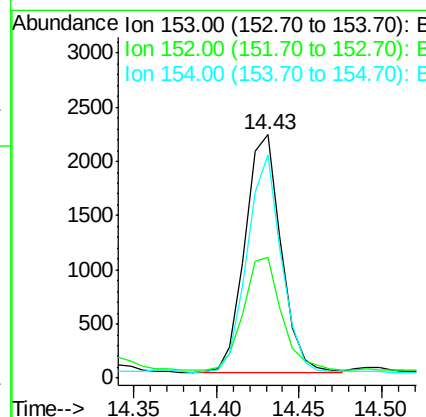
RT: 14.43 min Scan# 2149

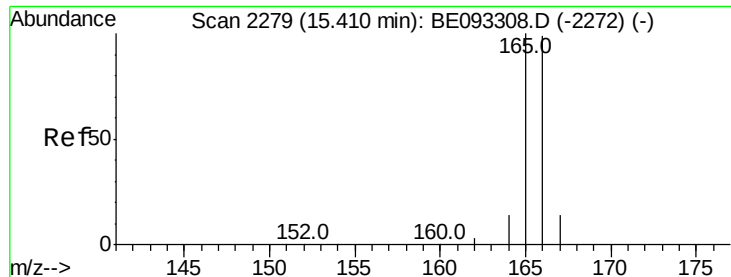
Delta R.T. 0.01 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Tgt Ion:	153	Resp:	3325
Ion Ratio	Lower	Upper	
153	100		
152	49.7	40.3	60.5
154	91.6	71.4	107.2





#9

Fluorene

Concen: 0.26 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Instrument :

BNA_E

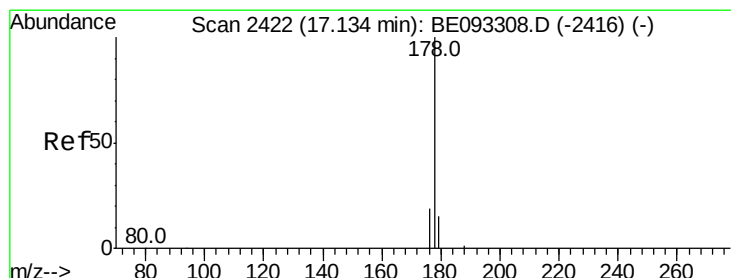
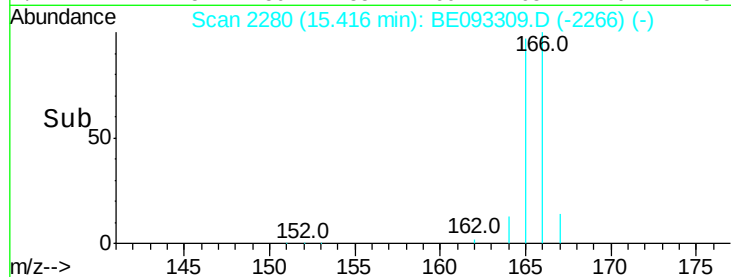
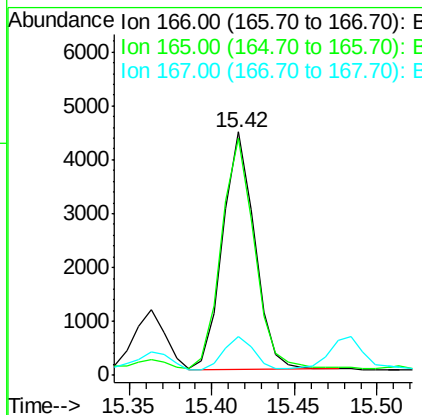
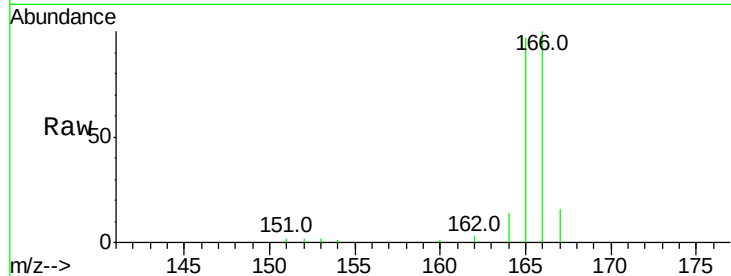
ClientSampleId :

F5A08

Tot Ion:	166	Resp:	5880
Ion Ratio	Lower	Upper	
166	100		
165	97.4	73.4	110.2
167	15.9	14.6	22.0

Manual Integrations
APPROVED

mohammad
6/22/2017 11:48:34 AM



#12

Phenanthrene

Concen: 1.66 ng/ul

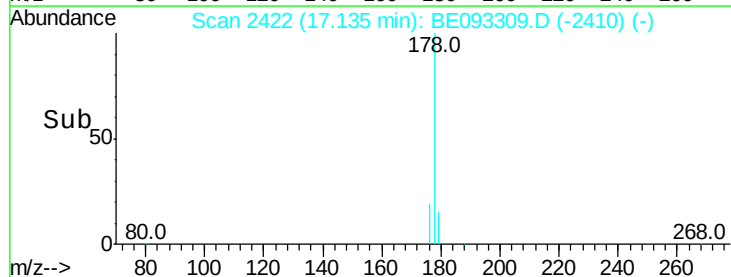
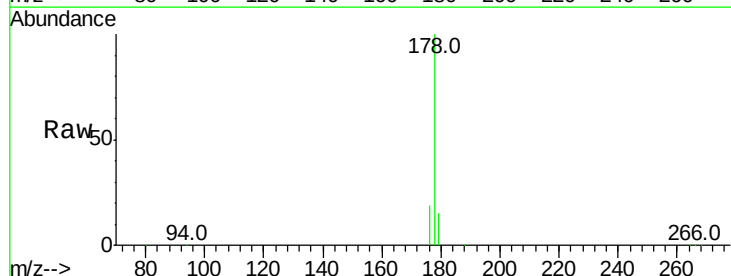
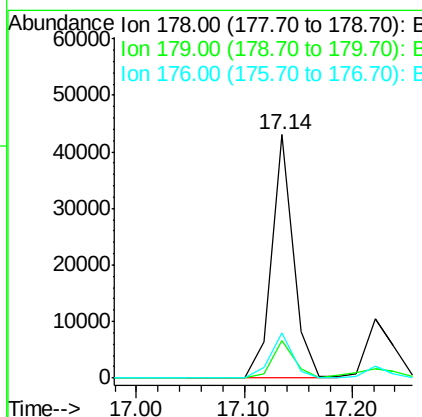
RT: 17.14 min Scan# 2422

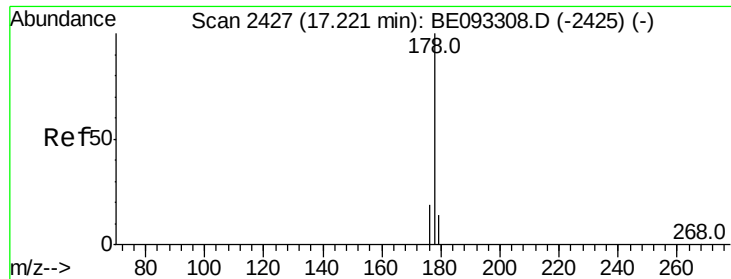
Delta R.T. 0.00 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Tgt Ion:	178	Resp:	60272
Ion Ratio	Lower	Upper	
178	100		
179	15.3	18.4	27.6#
176	18.8	13.6	20.4





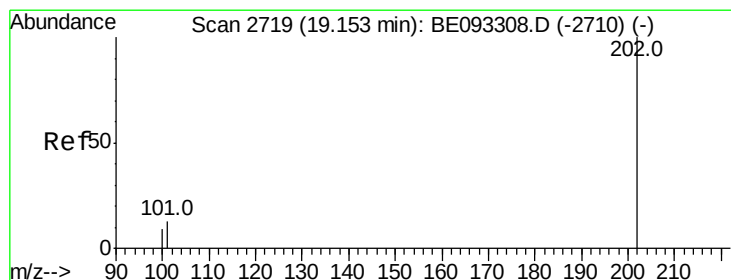
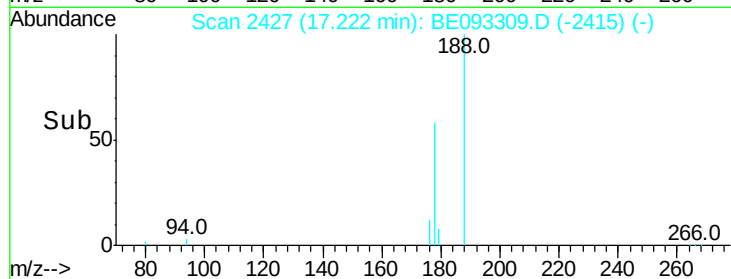
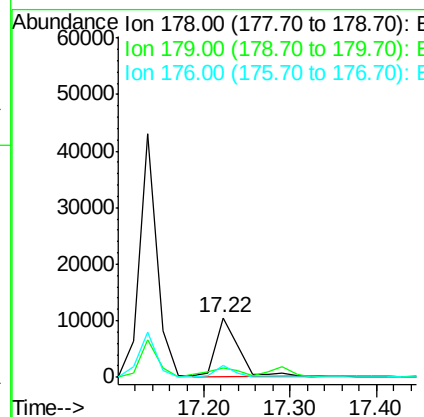
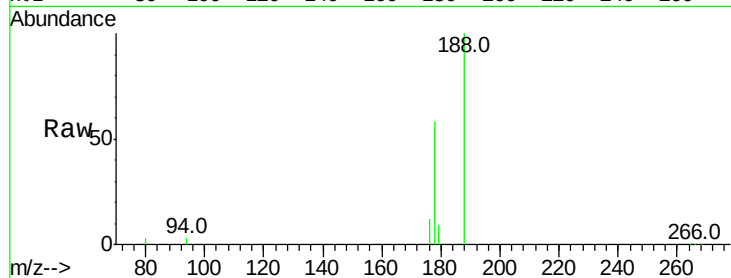
#13
 Anthracene
 Concen: 0.59 ng/ul
 RT: 17.22 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BE093309.D
 Acq: 21 Jun 2017 10:32

Instrument :
 BNA_E
 ClientSampleId :
 F5A08

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	18.1	27.1#
176	21.0	14.7	22.1

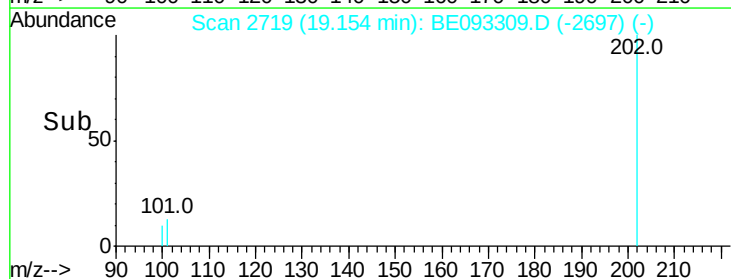
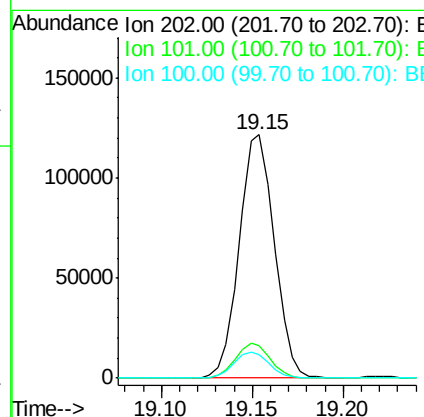
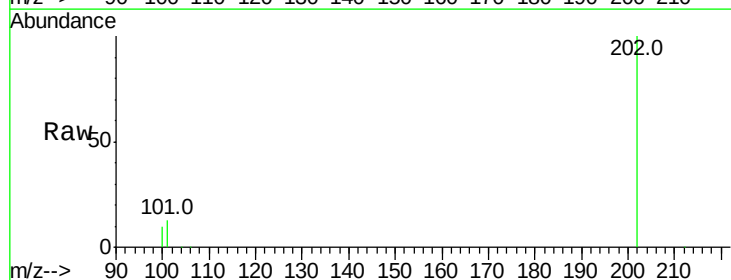
Manual Integrations
 APPROVED

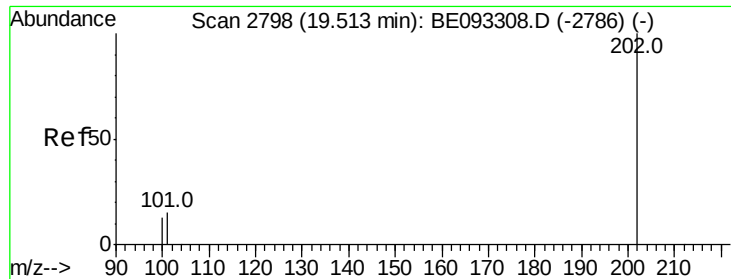
mohammad
 6/22/2017 11:48:34 AM



#15
 Fluoranthene
 Concen: 3.63 ng/ul
 RT: 19.15 min Scan# 2719
 Delta R.T. 0.00 min
 Lab File: BE093309.D
 Acq: 21 Jun 2017 10:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	30.3
100	9.6	0.0	39.5





#17

Pvrene

Concen: 5.08 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Instrument :

BNA_E

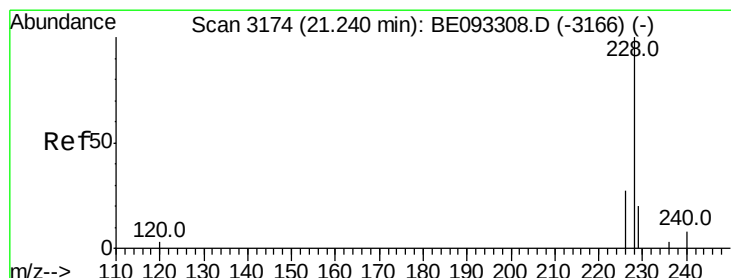
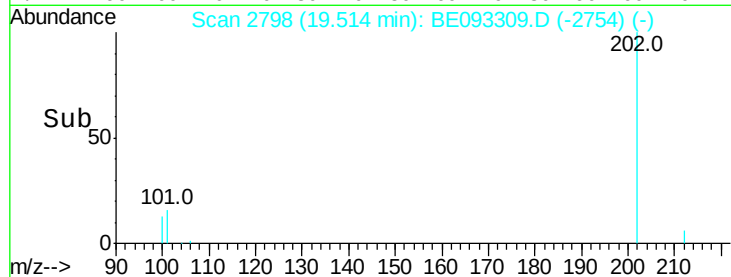
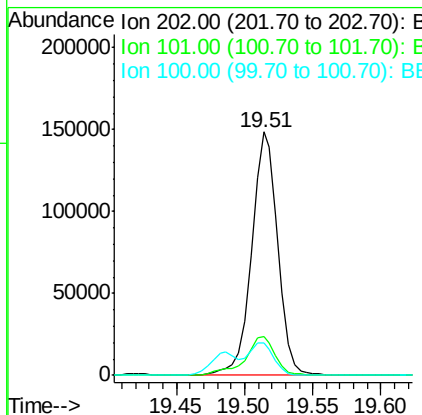
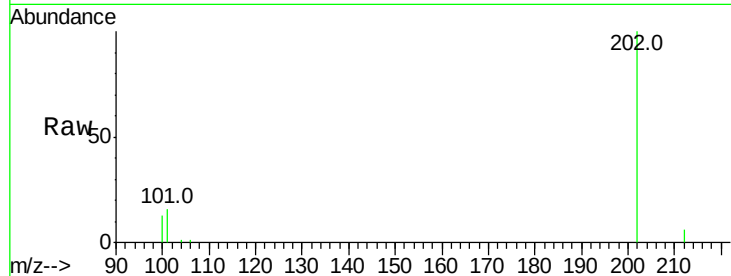
ClientSampleId :

F5A08

Tot Ion:	202	Resp:	197363
Ion Ratio	Lower	Upper	
202	100		
101	16.1	18.2	27.4#
100	13.4	15.6	23.4#

Manual Integrations
APPROVED

mohammad
6/22/2017 11:48:34 AM



#18

Benzo(a)anthracene

Concen: 2.87 ng/ul

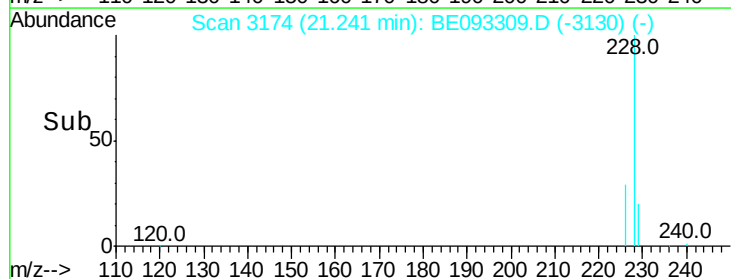
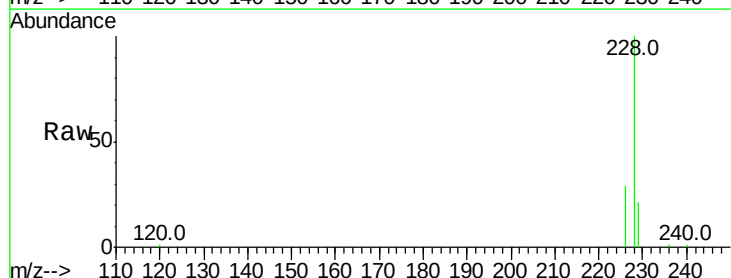
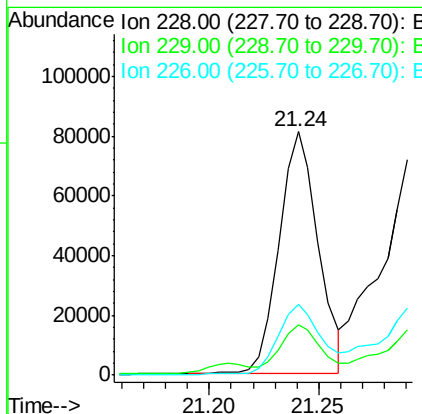
RT: 21.24 min Scan# 3174

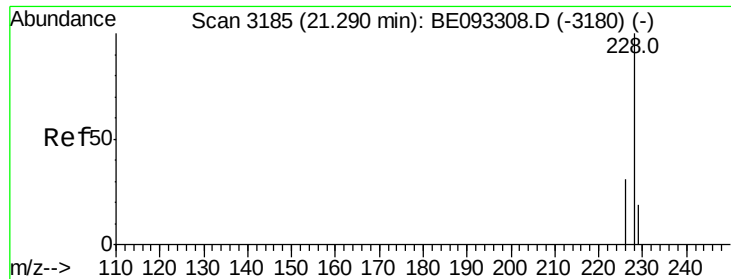
Delta R.T. 0.00 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Tgt Ion:	228	Resp:	100770
Ion Ratio	Lower	Upper	
228	100		
229	20.7	22.8	34.2#
226	28.9	17.0	25.6#





#19

Chrysene

Concen: 3.45 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.01 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Instrument :

BNA_E

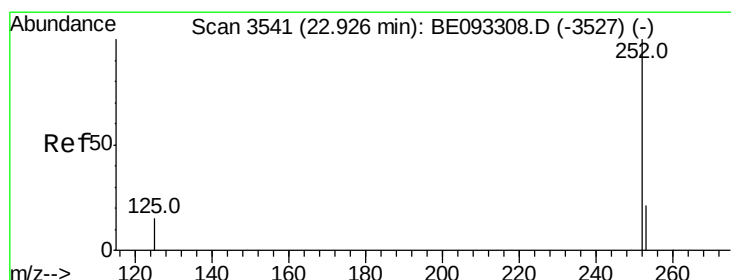
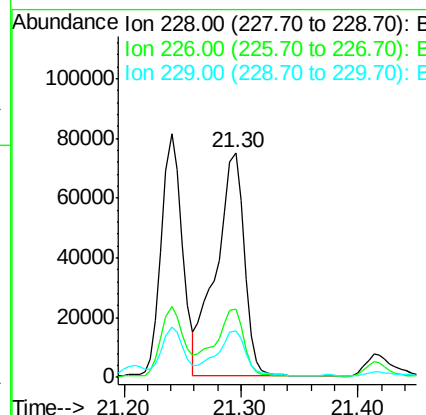
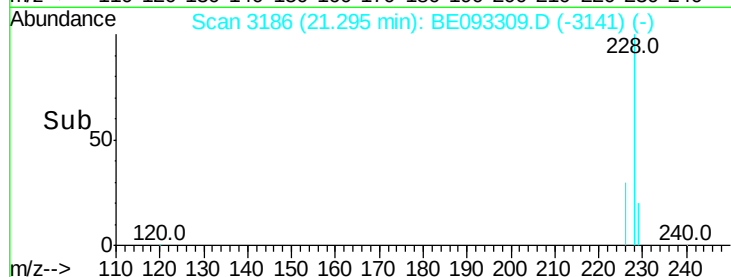
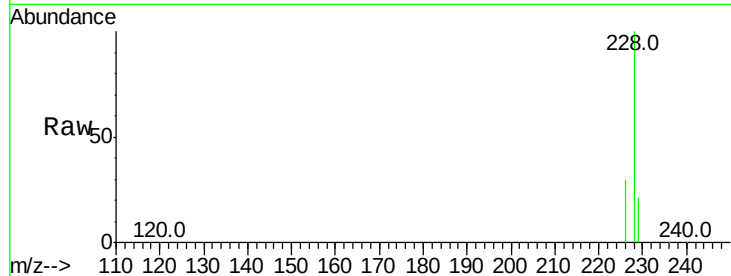
ClientSampleId :

F5A08

Tot Ion:	228	Resp:	125610
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.4	35.0
229	20.9	17.7	26.5

Manual Integrations
APPROVED

mohammad
6/22/2017 11:48:34 AM



#21

Benzo(b)fluoranthene

Concen: 5.52 ng/ul

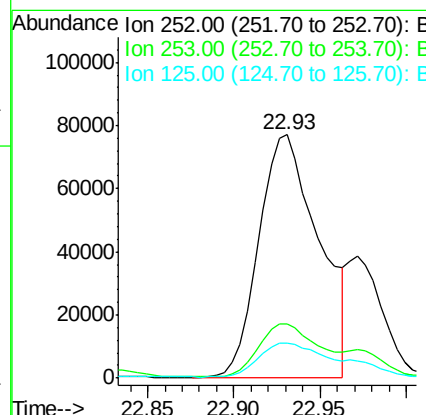
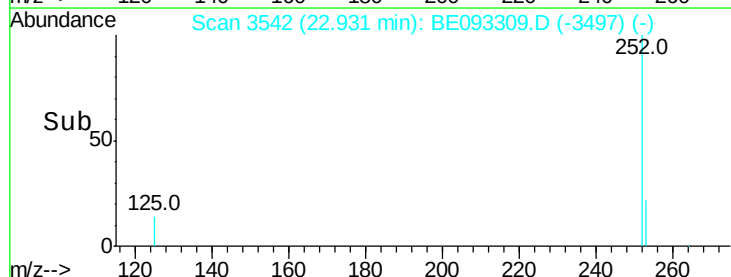
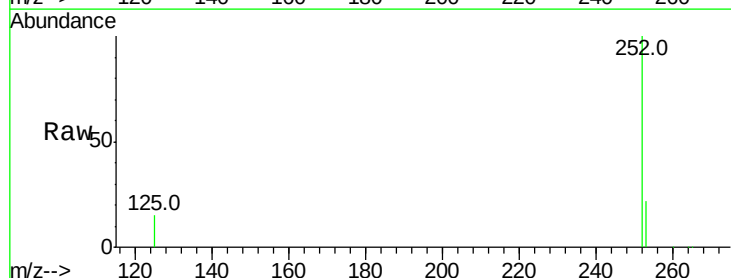
RT: 22.93 min Scan# 3542

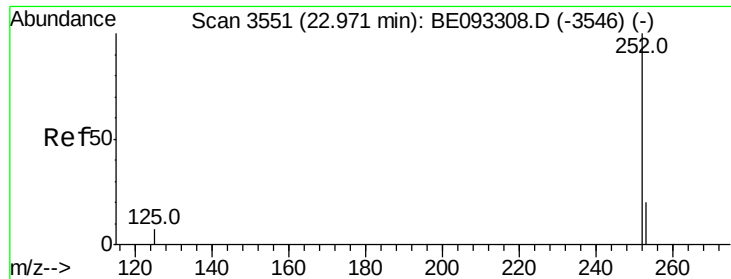
Delta R.T. 0.01 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Tgt Ion:	252	Resp:	185352
Ion Ratio	Lower	Upper	
252	100		
253	22.5	0.0	64.2
125	14.6	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 1.57 ng/ul m

RT: 22.97 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Instrument :

BNA_E

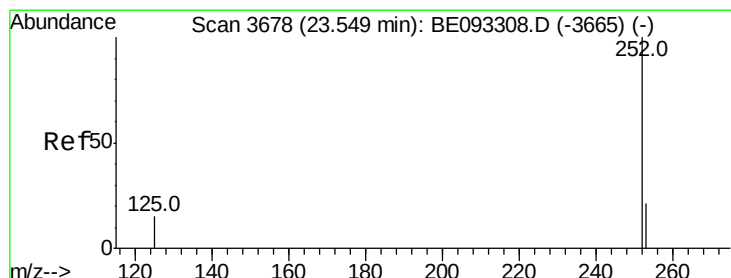
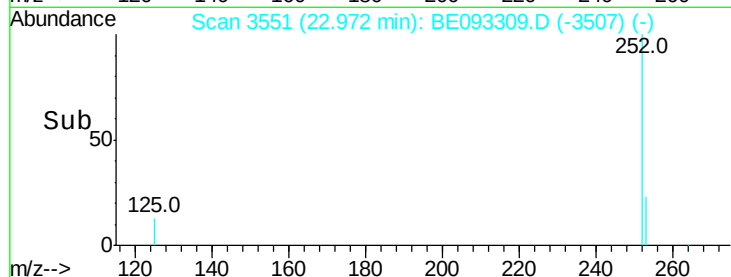
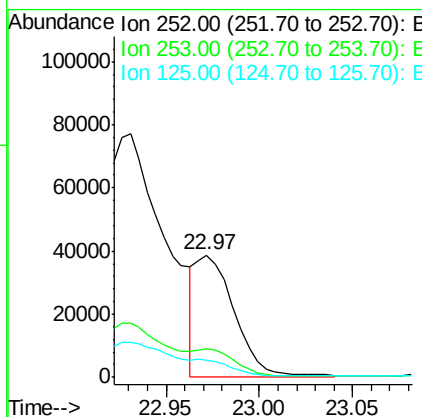
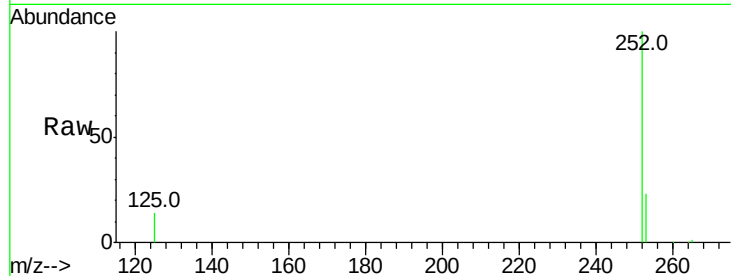
ClientSampleId :

F5A08

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	24.5	36.7#
125	14.2	13.7	20.5

Manual Integrations
APPROVED

mohammad
6/22/2017 11:48:34 AM



#23

Benzo(a)pyrene

Concen: 3.26 ng/ul m

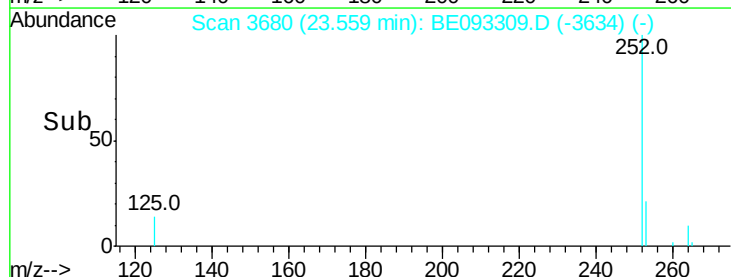
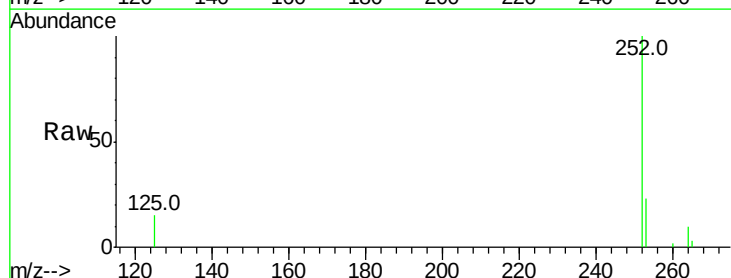
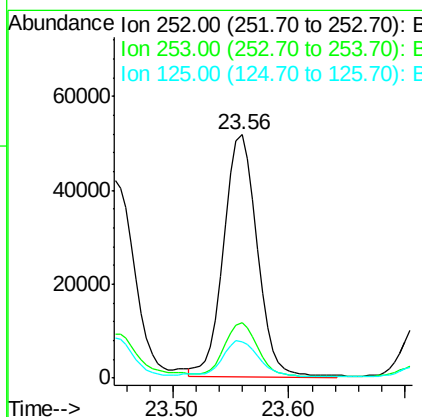
RT: 23.56 min Scan# 3680

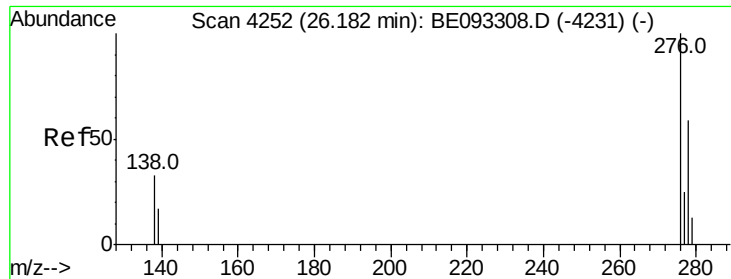
Delta R.T. 0.01 min

Lab File: BE093309.D

Acq: 21 Jun 2017 10:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	28.5	42.7#
125	15.1	18.1	27.1#





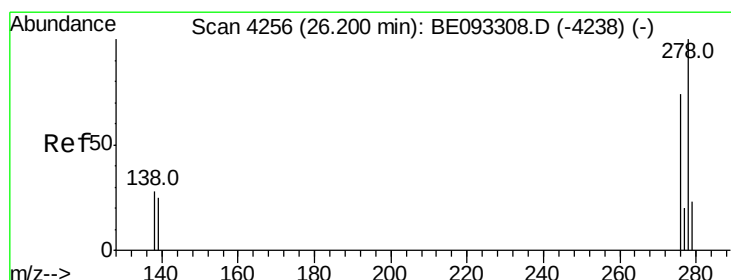
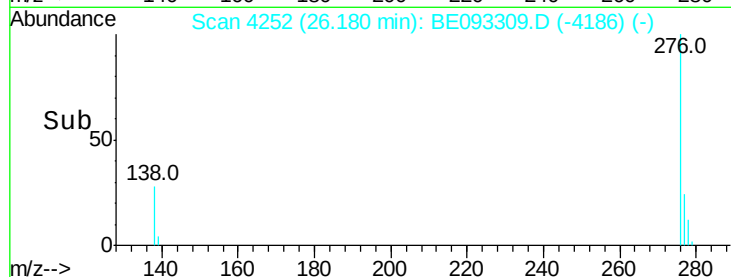
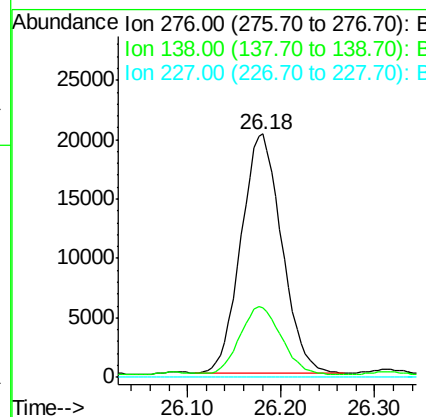
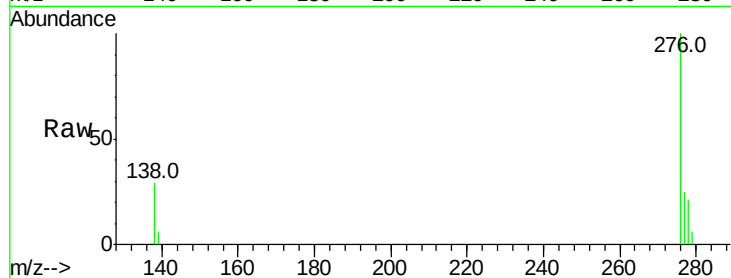
#24
Indeno(1,2,3-cd)pyrene
Concen: 1.66 ng/ul m
RT: 26.18 min Scan# 4252
Delta R.T. -0.00 min
Lab File: BE093309.D
Acq: 21 Jun 2017 10:32

Instrument :
BNA_E
ClientSampled :
F5A08

Tot Ion	Ratio	Resp	Lower	Upper
276	100	60860		
138	2.9		28.0	42.0#
227	0.0		8.0	12.0#

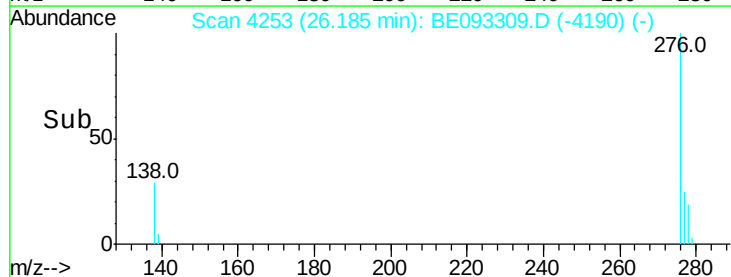
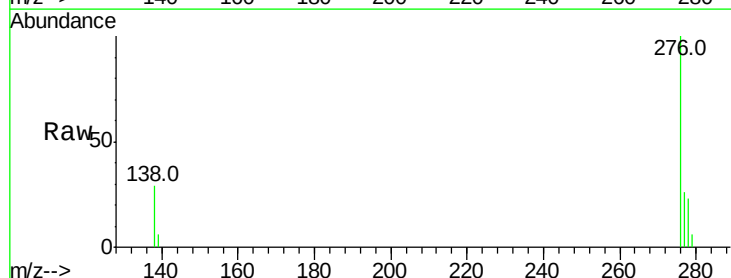
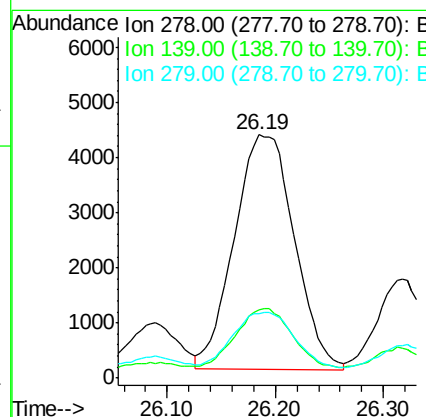
Manual Integrations
APPROVED

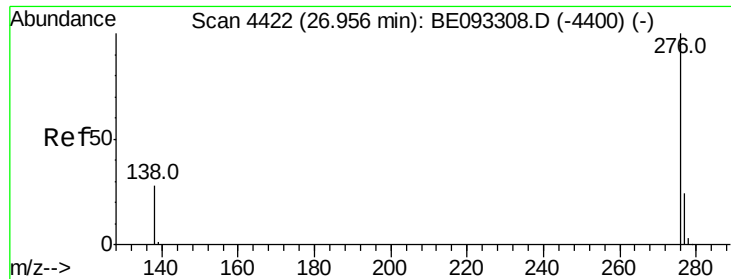
mohammad
6/22/2017 11:48:34 AM



#25
Dibenzo(a,h)anthracene
Concen: 0.53 ng/ul m
RT: 26.19 min Scan# 4253
Delta R.T. -0.01 min
Lab File: BE093309.D
Acq: 21 Jun 2017 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	16424		
139	28.0		17.4	26.0#
279	26.4		25.9	38.9





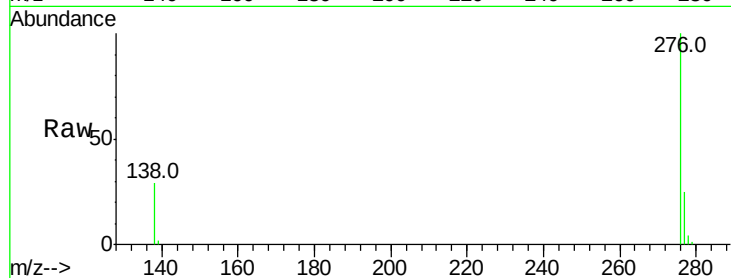
#26
 Benzo(a,h,i)perylene
 Concen: 1.39 ng/ul
 RT: 26.96 min Scan# 4422
 Delta R.T. -0.00 min
 Lab File: BE093309.D
 Acq: 21 Jun 2017 10:32

Instrument :
 BNA_E
 ClientSampleId :
 F5A08

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.5	21.8	32.8
277	24.7	20.5	30.7

Manual Integrations
 APPROVED

mohammad
 6/22/2017 11:48:34 AM



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

