

Data Path : Z:\HPCHEM1\BNA E\DATA\BE062117\
 Data File : BE093310.D
 Acq On : 21 Jun 2017 11:11
 Operator : SJ/JU
 Sample : I3625-05DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5A86DL

Manual Integrations
 APPROVED

mohammad
 6/22/2017 11:48:36 AM

Quant Time: Jun 22 02:23:08 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	1487	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	7925	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	4913	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	12212	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	12246	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11299	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	719	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1881	0.06	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	10.56	128	31417	1.60	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	4391	0.33	ng/ul	99
7) Acenaphthylene	14.08	152	551	0.03	ng/ul#	73
8) Acenaphthene	14.42	153	4963	0.29	ng/ul	97
9) Fluorene	15.42	166	6282	0.32	ng/ul	95
12) Phenanthrene	17.14	178	34334	1.02	ng/ul#	91
13) Anthracene	17.22	178	5432	0.19	ng/ul#	93
15) Fluoranthene	19.15	202	22974	0.56	ng/ul	83
17) Pyrene	19.51	202	16966	0.47	ng/ul#	85
18) Benzo(a)anthracene	21.24	228	4413	0.14	ng/ul#	86
19) Chrysene	21.29	228	3742	0.11	ng/ul	96
21) Benzo(b)fluoranthene	22.93	252	2211m	0.06	ng/ul	
22) Benzo(k)fluoranthene	22.97	252	887m	0.02	ng/ul	
23) Benzo(a)pyrene	23.55	252	1182	0.04	ng/ul#	85

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

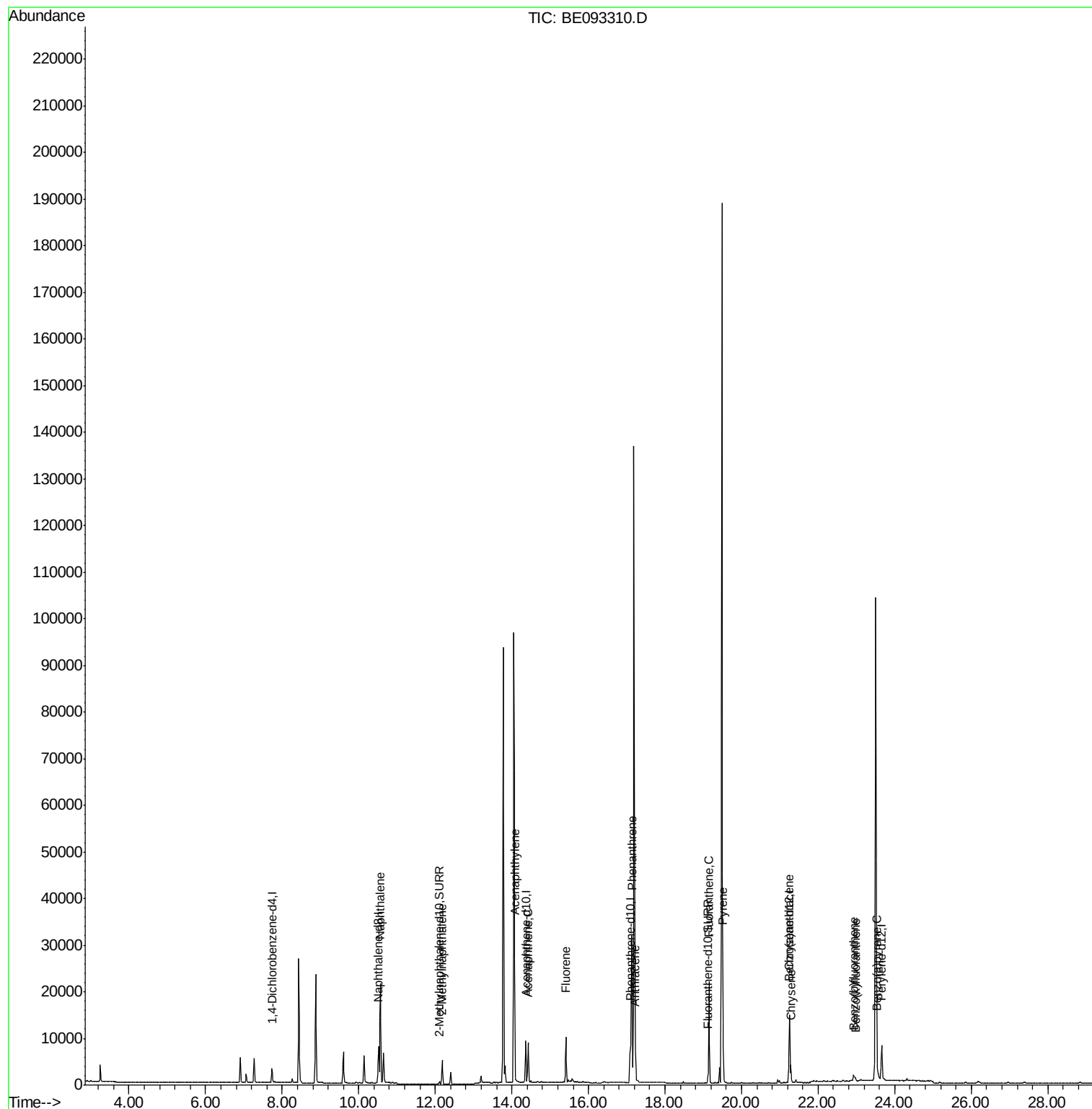
Data Path : Z:\HPCHEM1\BNA E\DATA\BE062117\
Data File : BE093310.D
Acq On : 21 Jun 2017 11:11
Operator : SJ/JU
Sample : I3625-05DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

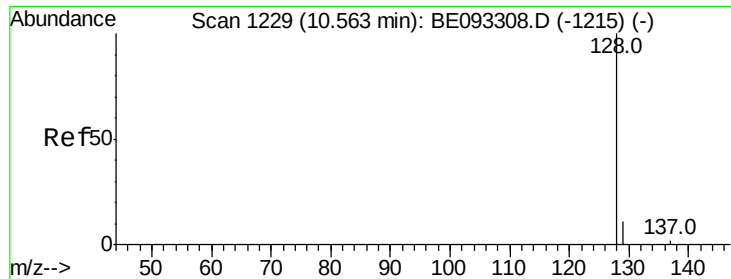
Instrument :
BNA_E
ClientSampleId :
F5A86DL

Manual Integrations
APPROVED

mohammad
6/22/2017 11:48:36 AM

Quant Time: Jun 22 02:23:08 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: 1.60 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

Instrument :

BNA_E

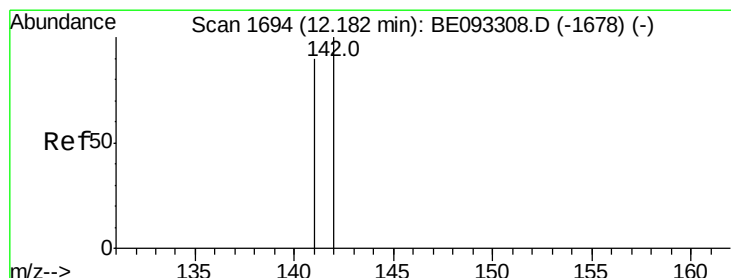
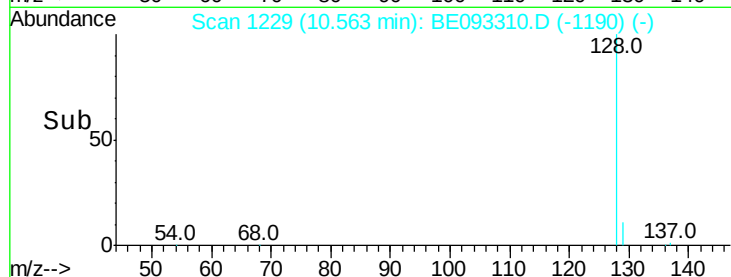
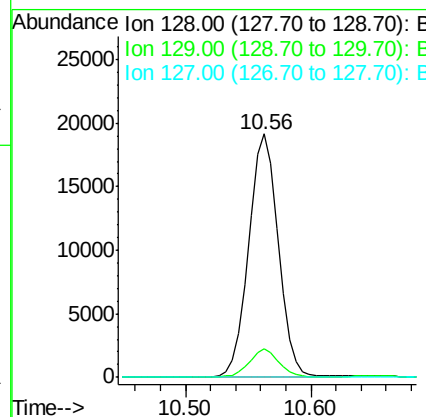
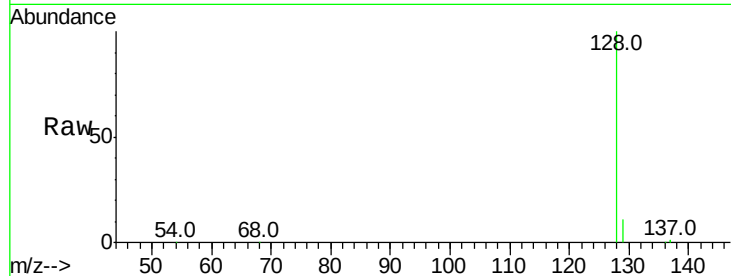
ClientSampleId :

F5A86DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	11.3	16.9
127	0.0	4.0	6.0

Manual Integrations
APPROVED

mohammad
6/22/2017 11:48:36 AM



#5

2-Methylnaphthalene

Concen: 0.33 ng/ul

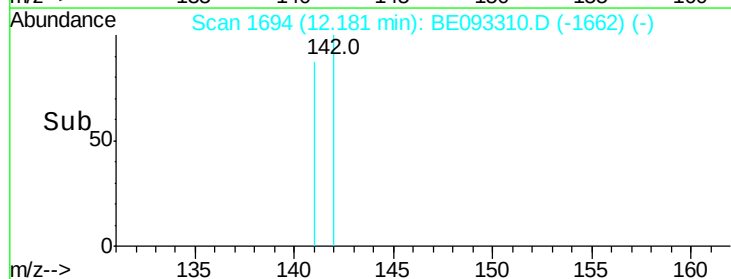
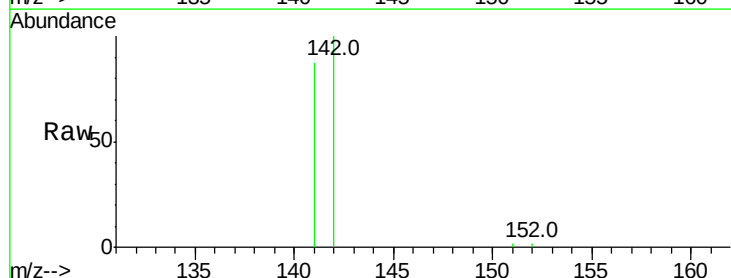
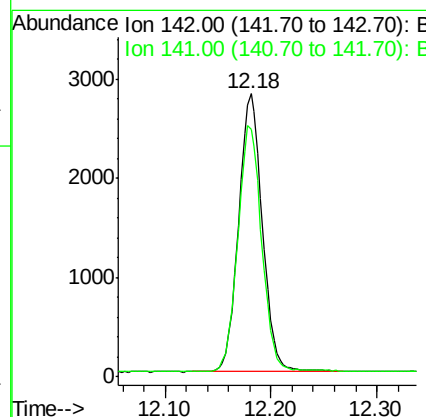
RT: 12.18 min Scan# 1694

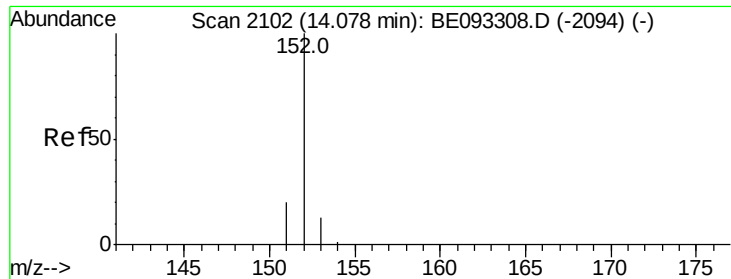
Delta R.T. -0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	72.6	108.8





#7

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

Instrument :

BNA_E

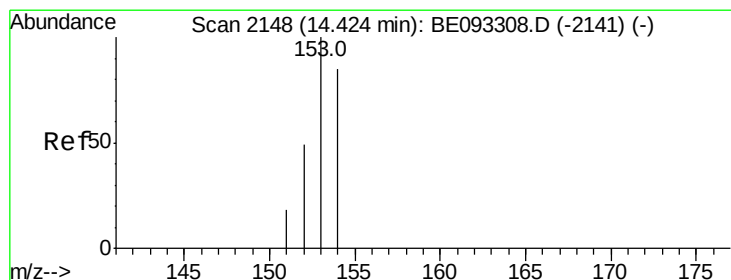
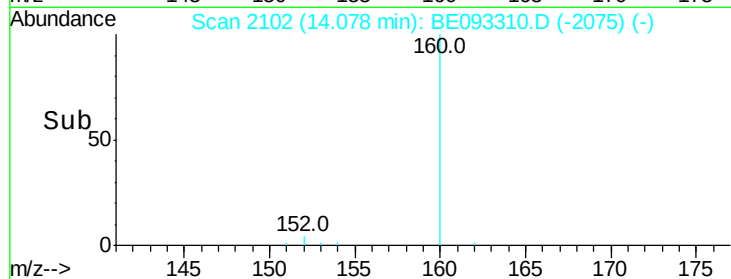
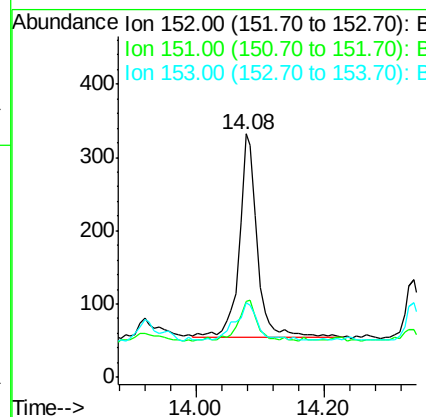
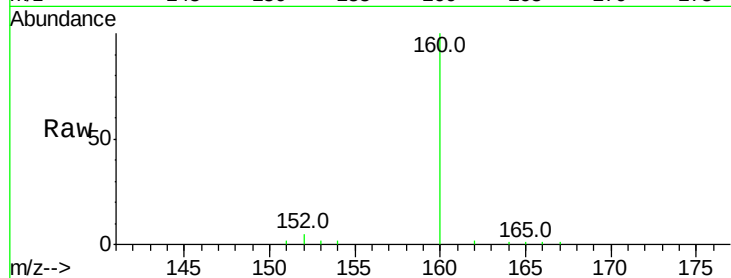
ClientSampleId :

F5A86DL

Tot Ion:	152	Resp:	551
Ion Ratio	Lower	Upper	
152	100		
151	31.3	17.1	25.7#
153	30.4	12.8	19.2#

Manual Integrations
APPROVED

mohammad
6/22/2017 11:48:36 AM



#8

Acenaphthene

Concen: 0.29 ng/ul

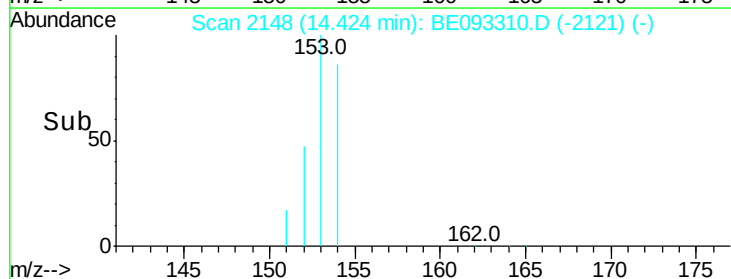
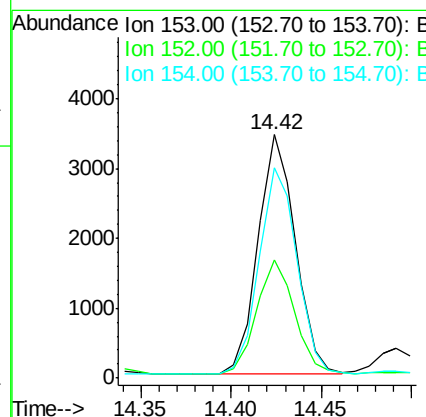
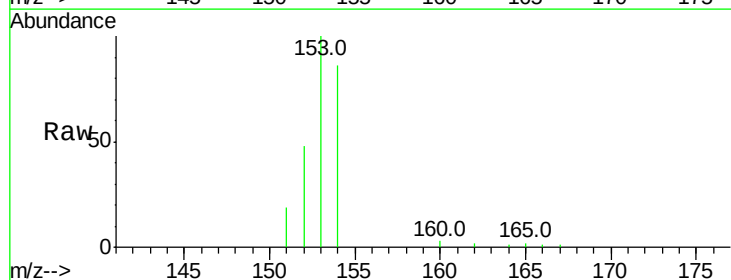
RT: 14.42 min Scan# 2148

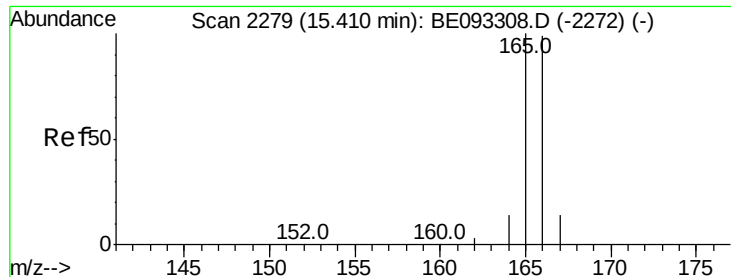
Delta R.T. -0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

Tgt Ion:	153	Resp:	4963
Ion Ratio	Lower	Upper	
153	100		
152	48.4	40.3	60.5
154	86.4	71.4	107.2





#9

Fluorene

Concen: 0.32 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

Instrument :

BNA_E

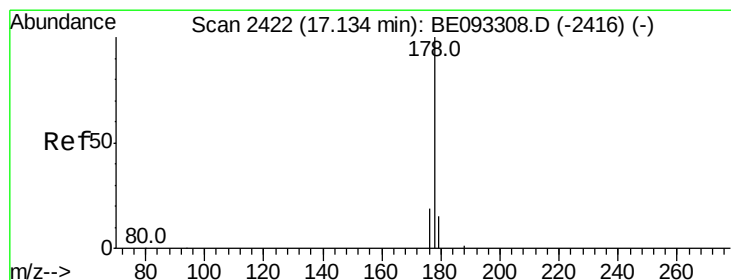
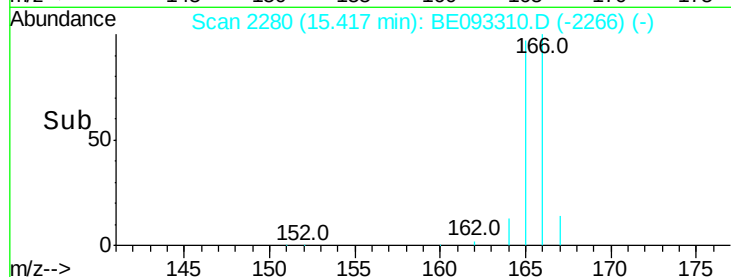
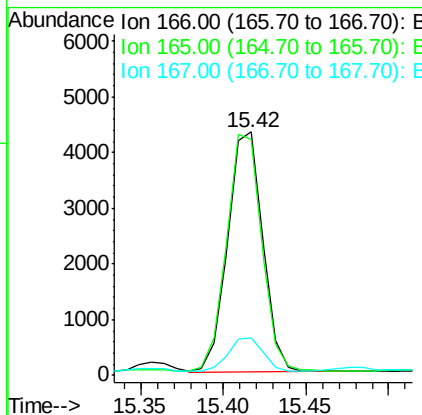
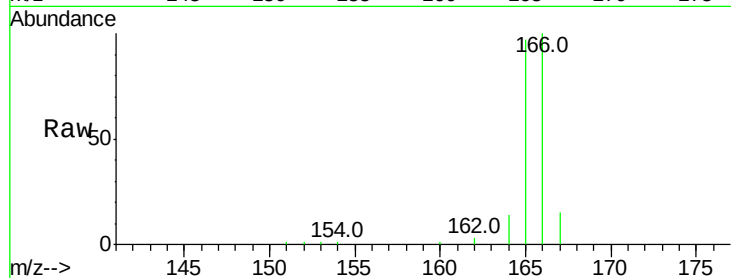
ClientSampleId :

F5A86DL

Tot Ion:	166	Resp:	6282
Ion Ratio	Lower	Upper	
166	100		
165	96.8	73.4	110.2
167	15.5	14.6	22.0

Manual Integrations
APPROVED

mohammad
6/22/2017 11:48:36 AM



#12

Phenanthrene

Concen: 1.02 ng/ul

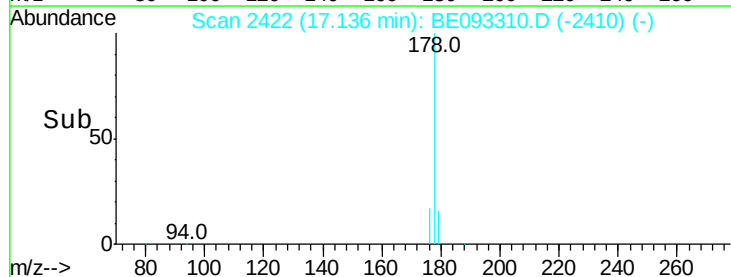
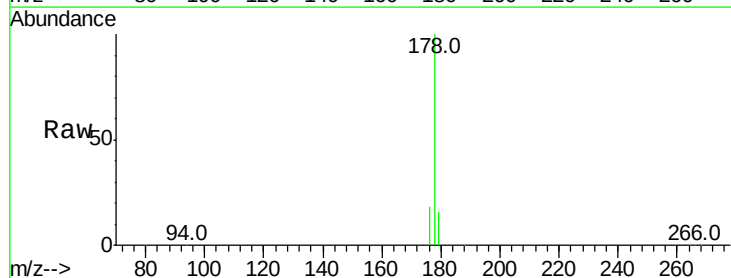
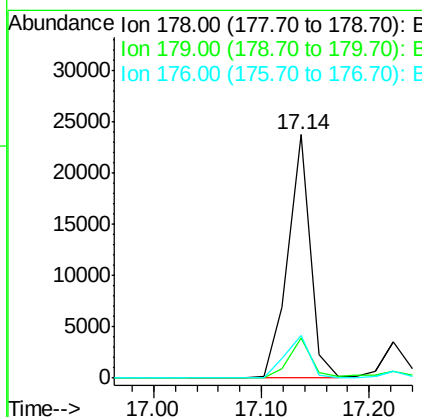
RT: 17.14 min Scan# 2422

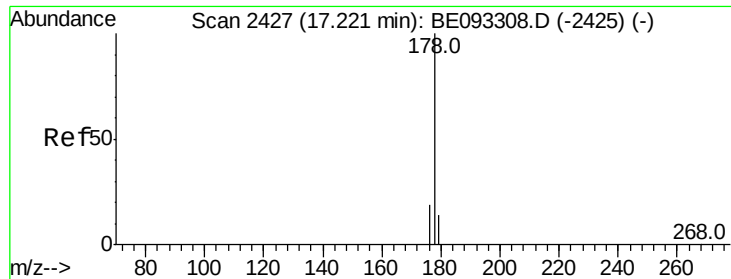
Delta R.T. 0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

Tgt Ion:	178	Resp:	34334
Ion Ratio	Lower	Upper	
178	100		
179	16.2	18.4	27.6#
176	17.7	13.6	20.4





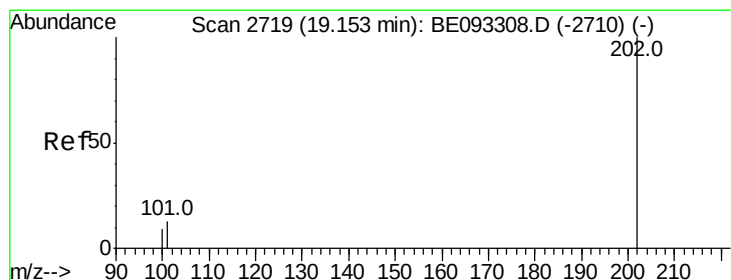
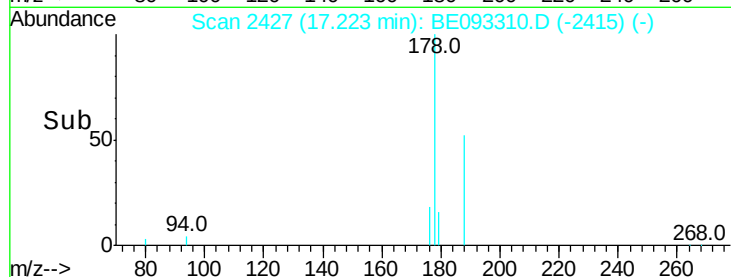
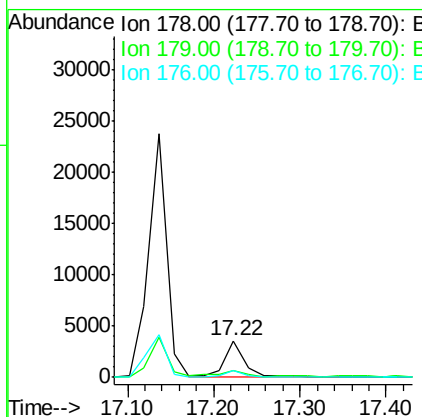
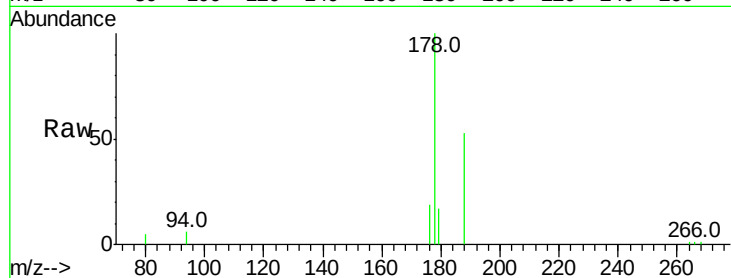
#13
 Anthracene
 Concen: 0.19 ng/ul
 RT: 17.22 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BE093310.D
 Acq: 21 Jun 2017 11:11

Instrument :
 BNA_E
 ClientSampleId :
 F5A86DL

Tot Ion:178 Resp: 5432
 Ion Ratio Lower Upper
 178 100
 179 17.2 18.1 27.1#
 176 19.4 14.7 22.1

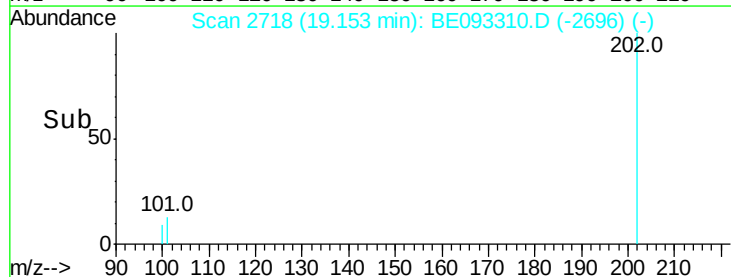
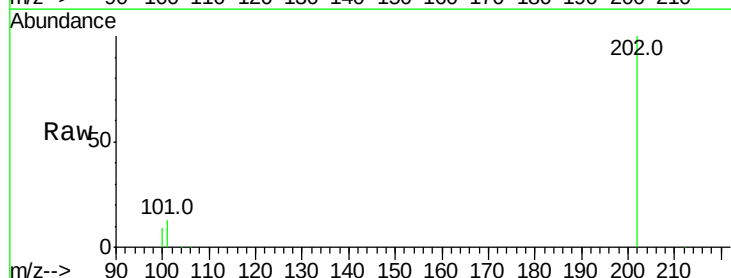
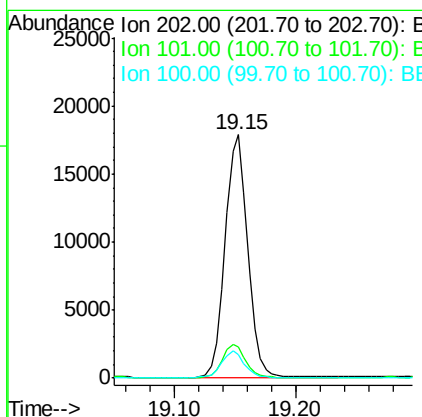
Manual Integrations
 APPROVED

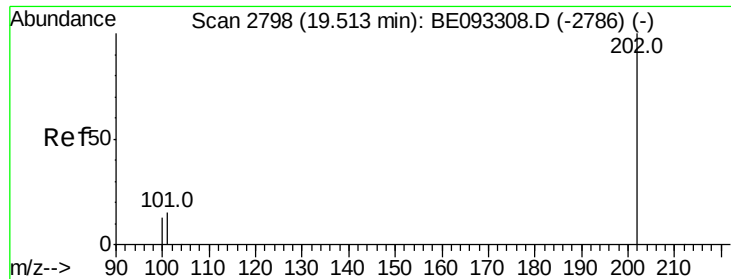
mohammad
 6/22/2017 11:48:36 AM



#15
 Fluoranthene
 Concen: 0.56 ng/ul
 RT: 19.15 min Scan# 2718
 Delta R.T. -0.00 min
 Lab File: BE093310.D
 Acq: 21 Jun 2017 11:11

Tgt Ion:202 Resp: 22974
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 30.3
 100 9.5 0.0 39.5





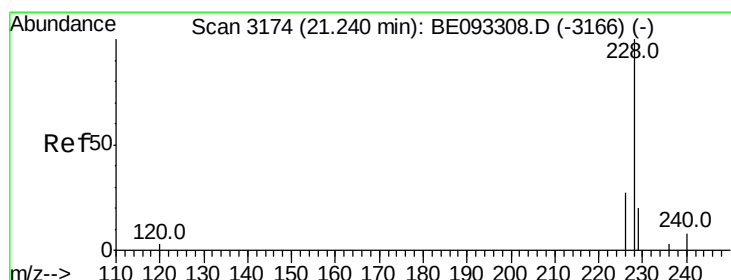
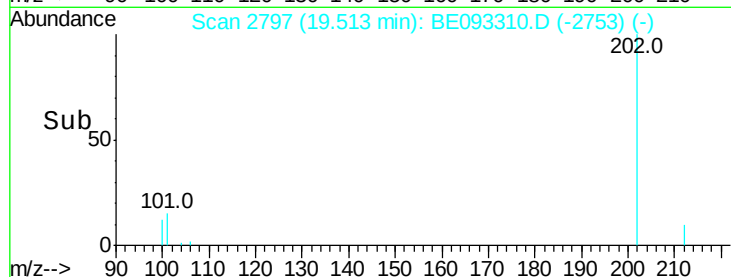
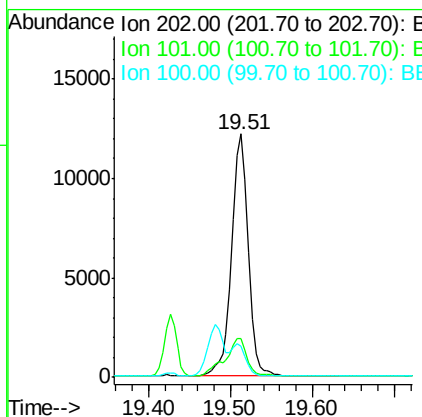
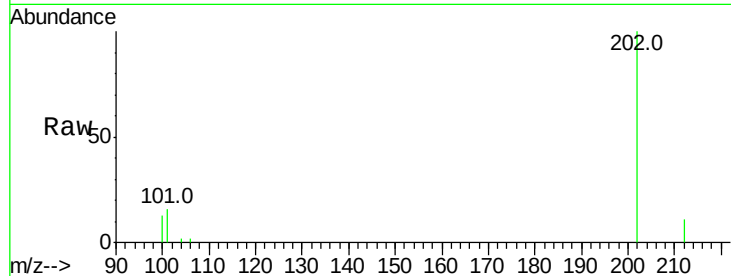
#17
Pvrene
Concen: 0.47 ng/ul
RT: 19.51 min Scan# 2797
Delta R.T. -0.00 min
Lab File: BE093310.D
Acq: 21 Jun 2017 11:11

Instrument :
BNA_E
ClientSampleId :
F5A86DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.7	18.2	27.4#
100	12.6	15.6	23.4#

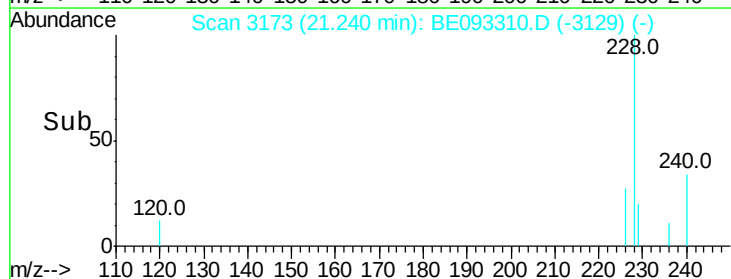
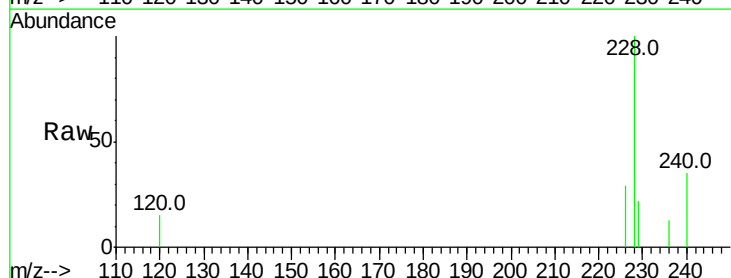
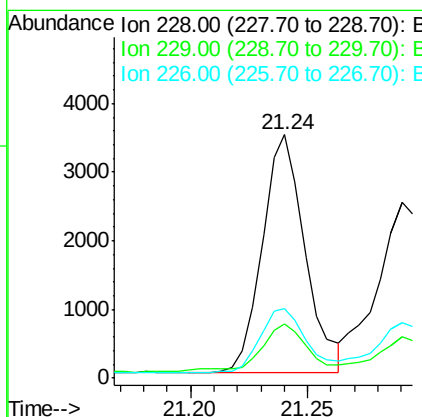
Manual Integrations
APPROVED

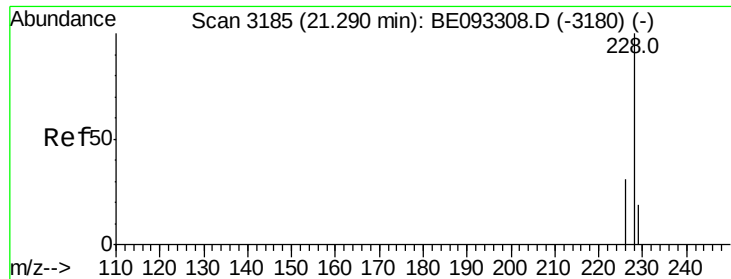
mohammad
6/22/2017 11:48:36 AM



#18
Benzo(a)anthracene
Concen: 0.14 ng/ul
RT: 21.24 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BE093310.D
Acq: 21 Jun 2017 11:11

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.0	22.8	34.2#
226	28.7	17.0	25.6#





#19

Chrysene

Concen: 0.11 ng/ul

RT: 21.29 min Scan# 3184

Delta R.T. 0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

Instrument :

BNA_E

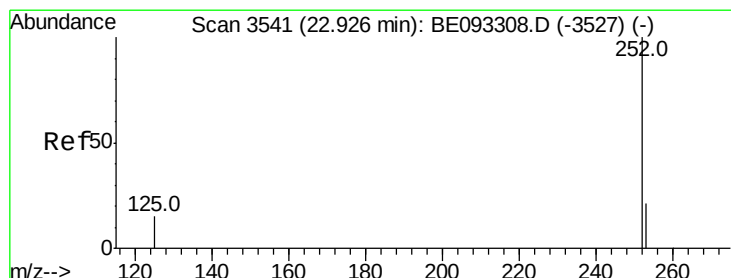
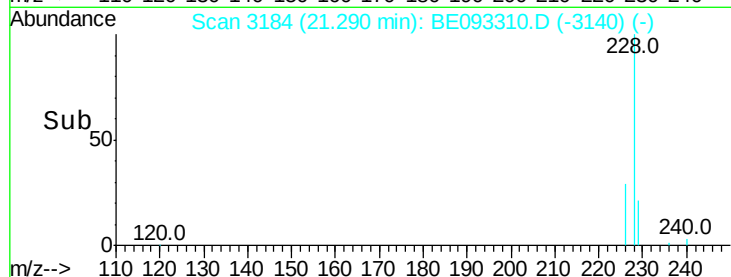
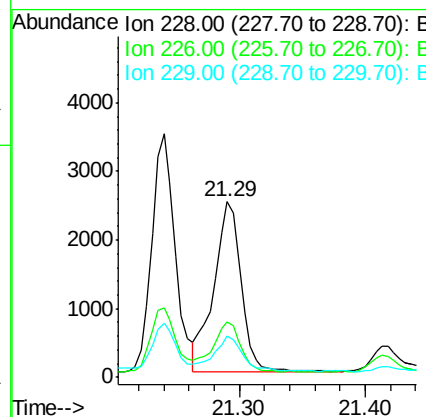
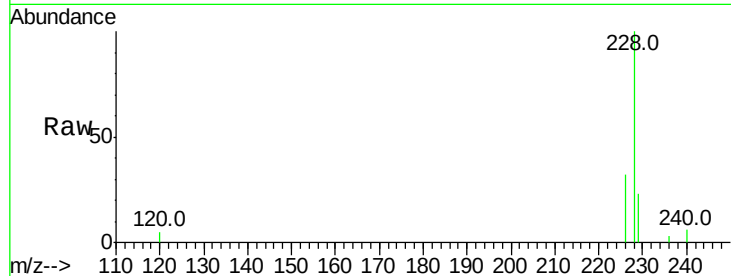
ClientSampleId :

F5A86DL

Tot Ion:	228	Resp:	3742
Ion Ratio	Lower	Upper	
228	100		
226	31.7	23.4	35.0
229	23.4	17.7	26.5

Manual Integrations
APPROVED

mohammad
6/22/2017 11:48:36 AM



#21

Benzo(b)fluoranthene

Concen: 0.06 ng/ul m

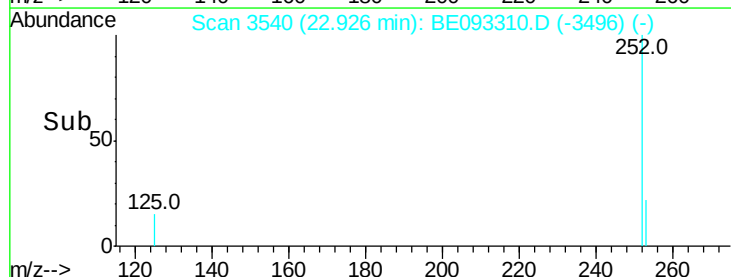
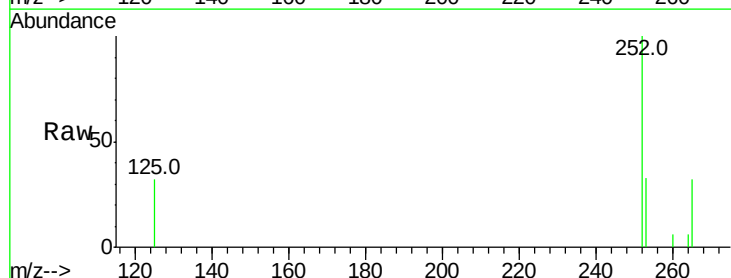
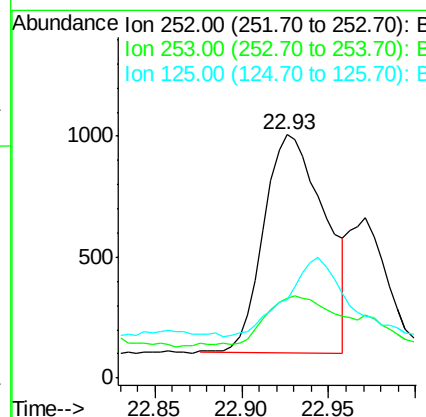
RT: 22.93 min Scan# 3540

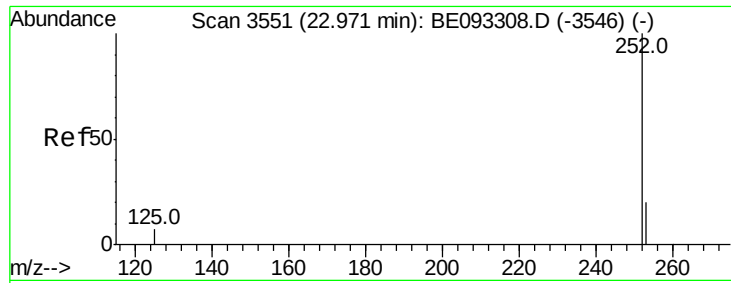
Delta R.T. 0.00 min

Lab File: BE093310.D

Acq: 21 Jun 2017 11:11

Tgt Ion:	252	Resp:	2211
Ion Ratio	Lower	Upper	
252	100		
253	32.9	0.0	64.2
125	32.5	0.0	35.0





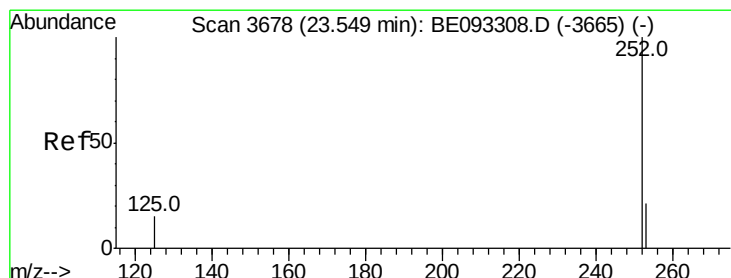
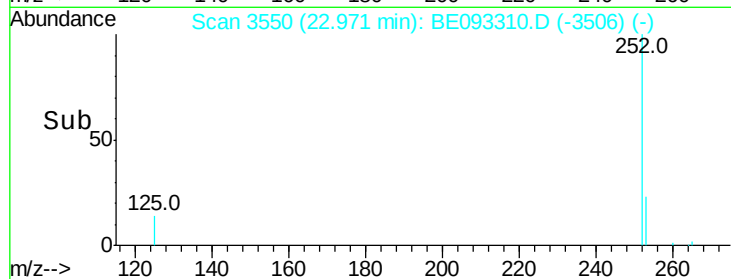
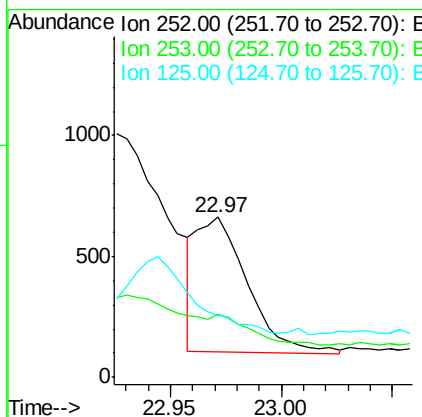
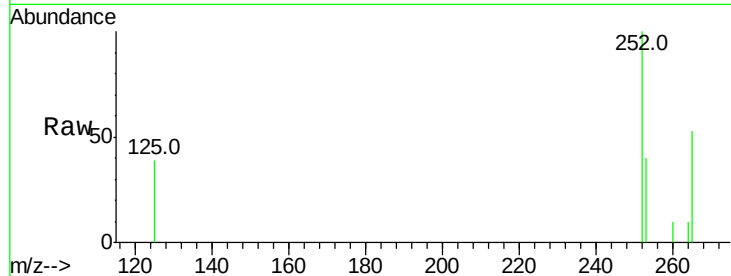
#22
Benzo(k)fluoranthene
Concen: 0.02 ng/ul m
RT: 22.97 min Scan# 3550
Delta R.T. 0.00 min
Lab File: BE093310.D
Acq: 21 Jun 2017 11:11

Instrument :
BNA_E
ClientSampleId :
F5A86DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	39.6	24.5	36.7#
125	38.7	13.7	20.5#

Manual Integrations
APPROVED

mohammad
6/22/2017 11:48:36 AM



#23
Benzo(a)pyrene
Concen: 0.04 ng/ul
RT: 23.55 min Scan# 3677
Delta R.T. 0.00 min
Lab File: BE093310.D
Acq: 21 Jun 2017 11:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.6	28.5	42.7
125	38.9	18.1	27.1#

