

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061517\
 Data File : BE093208.D
 Acq On : 15 Jun 2017 15:00
 Operator : SJ/MA
 Sample : I3522-17DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5B23DL

Manual Integrations
 APPROVED

mohammad
 6/19/2017 11:06:17 AM

Quant Time: Jun 16 05:40:55 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 04:43:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2967	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	16567	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	10590	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	25331	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	25407	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	26112	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	1417	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	3672	0.05	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.57	128	7217	0.176	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	1228	0.044	ng/ul	97
7) Acenaphthylene	14.08	152	8900	0.196	ng/ul	98
8) Acenaphthene	14.43	153	1247	0.034	ng/ul	96
9) Fluorene	15.42	166	1027	0.024	ng/ul	90
12) Phenanthrene	17.14	178	12181	0.175	ng/ul#	86
13) Anthracene	17.22	178	14319	0.236	ng/ul#	87
15) Fluoranthene	19.16	202	84605	0.990	ng/ul	83
17) Pyrene	19.52	202	95966	1.281	ng/ul#	83
18) Benzo(a)anthracene	21.25	228	62371	0.920	ng/ul#	85
19) Chrysene	21.30	228	84708	1.205	ng/ul	97
21) Benzo(b)fluoranthene	22.94	252	139507m	1.761	ng/ul	
22) Benzo(k)fluoranthene	22.98	252	51500m	0.612	ng/ul	
23) Benzo(a)pyrene	23.56	252	75419	1.007	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.19	276	48402	0.558	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.20	278	13745	0.188	ng/ul#	89
26) Benzo(g,h,i)perylene	26.97	276	39754	0.534	ng/ul	97

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

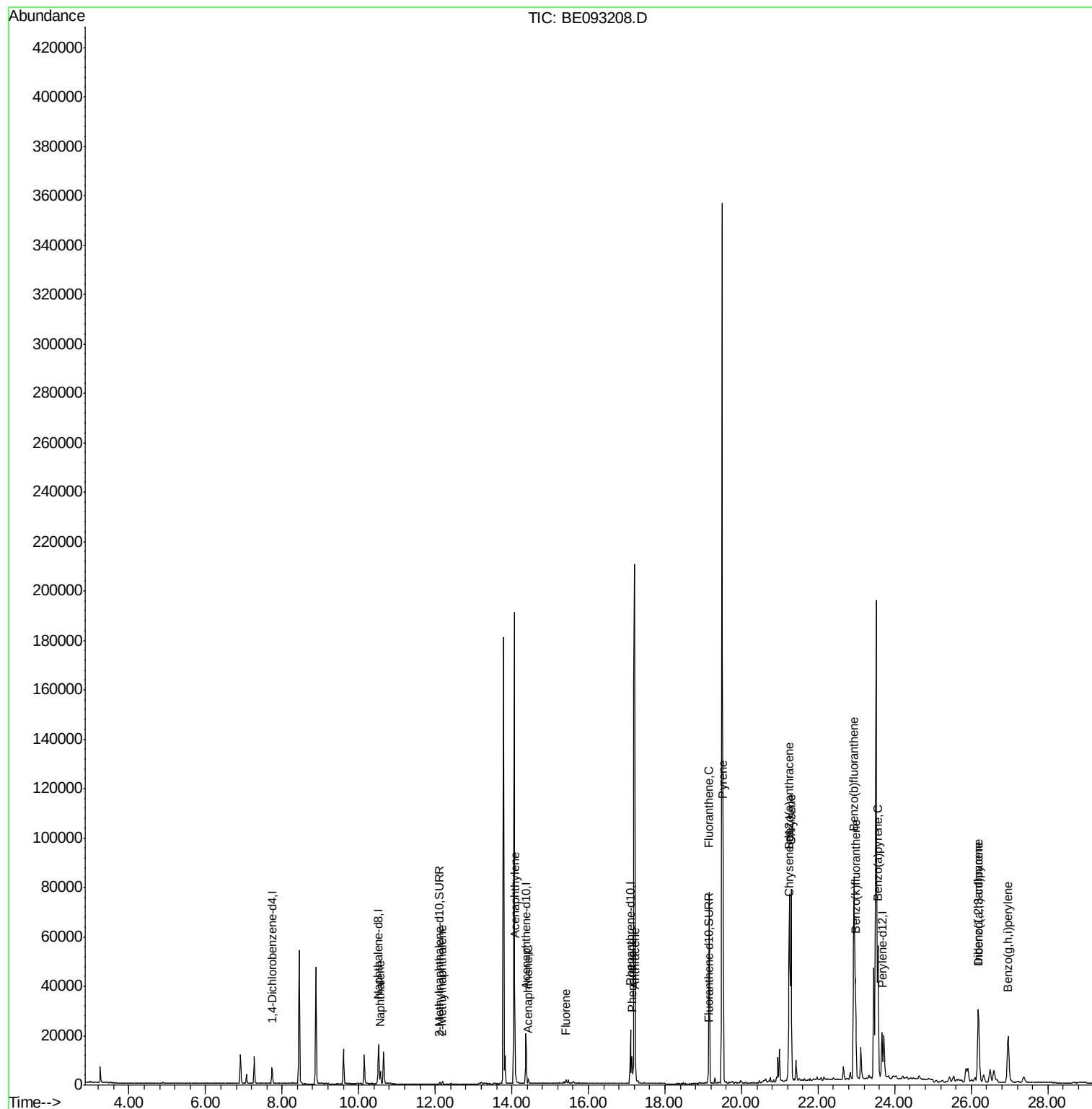
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061517\
Data File : BE093208.D
Acq On : 15 Jun 2017 15:00
Operator : SJ/MA
Sample : I3522-17DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

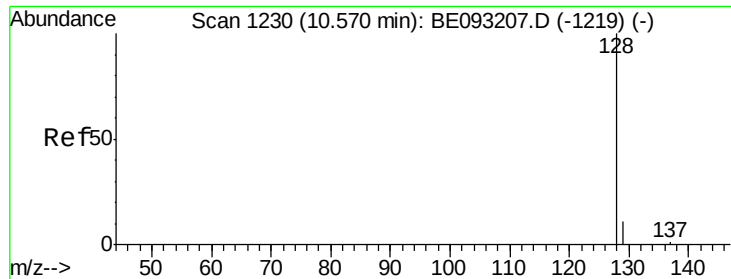
Instrument :
BNA_E
ClientSampleId :
F5B23DL

Manual Integrations
APPROVED

mohammad
6/19/2017 11:06:17 AM

Quant Time: Jun 16 05:40:55 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 04:43:11 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.176 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

Instrument :

BNA_E

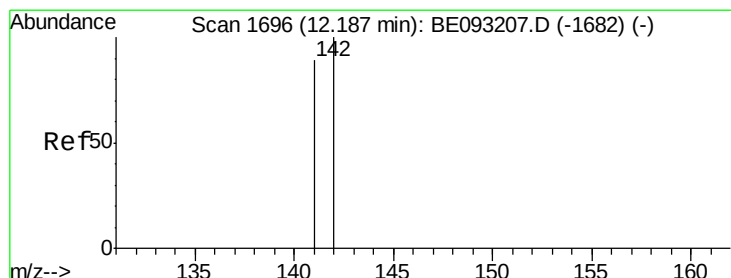
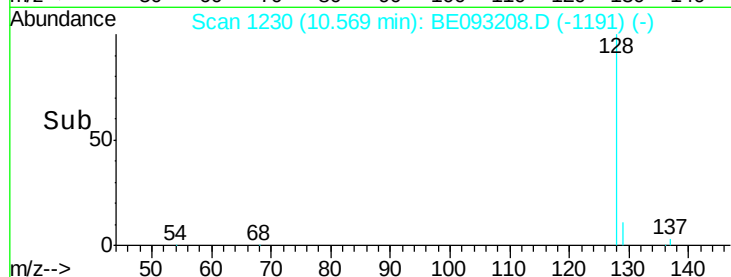
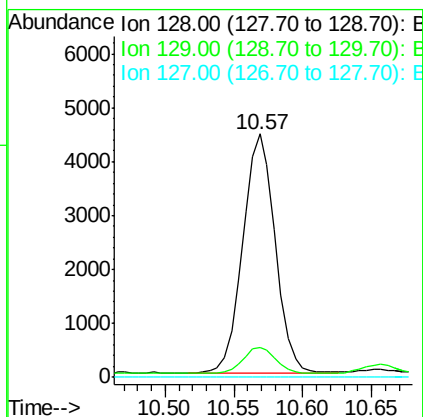
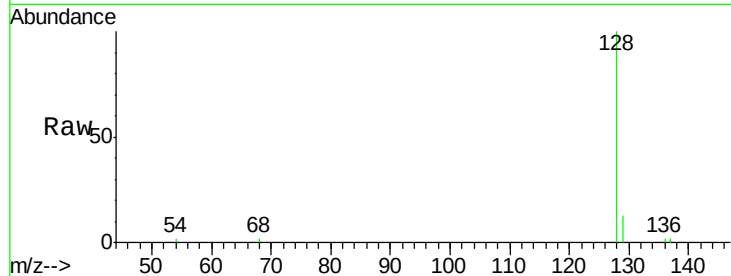
ClientSampleId :

F5B23DL

Tgt Ion:	128	Resp:	7217
Ion Ratio	Lower	Upper	
128	100		
129	12.5	11.3	16.9
127	0.0	4.0	6.0

Manual Integrations
APPROVED

mohammad
6/19/2017 11:06:17 AM



#5

2-Methylnaphthalene

Concen: 0.044 ng/ul

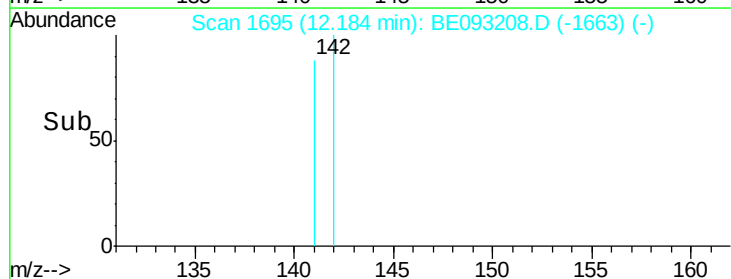
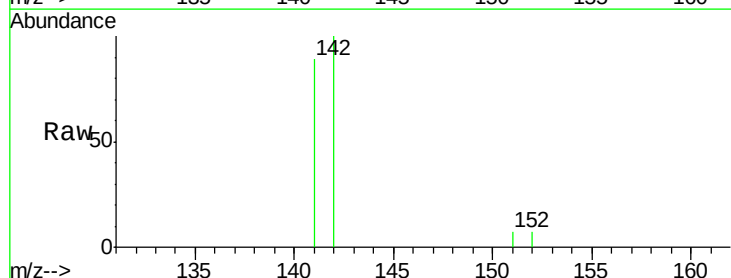
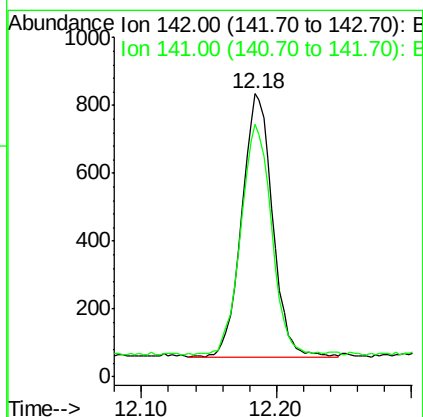
RT: 12.18 min Scan# 1695

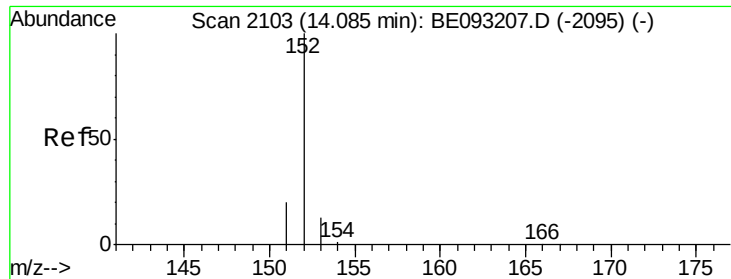
Delta R.T. -0.00 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

Tgt Ion:	142	Resp:	1228
Ion Ratio	Lower	Upper	
142	100		
141	87.7	72.6	108.8





#7

Acenaphthylene

Concen: 0.196 ng/ul

RT: 14.08 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

Instrument :

BNA_E

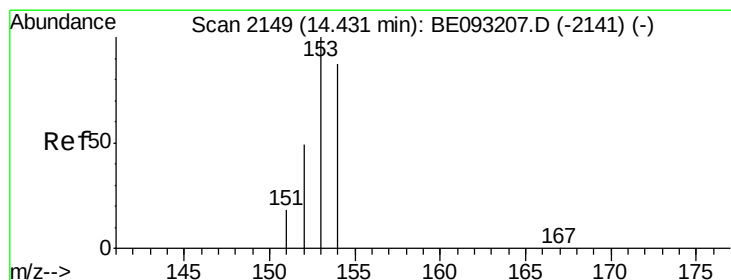
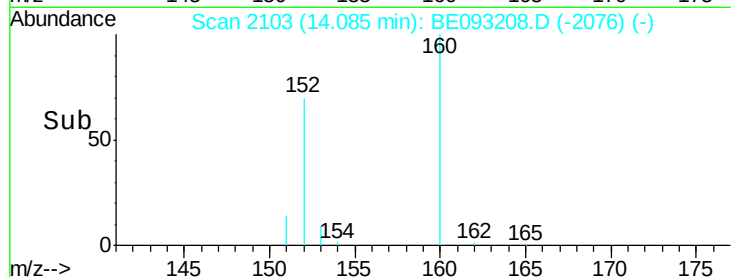
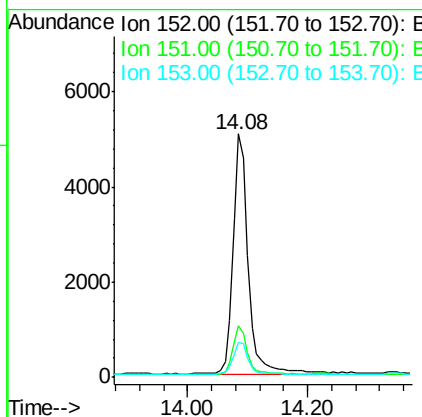
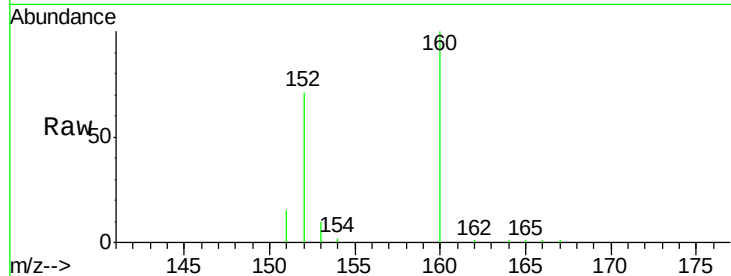
ClientSampleId :

F5B23DL

Tgt Ion:	152	Resp:	8900
Ion Ratio	Lower	Upper	
152	100		
151	21.1	17.1	25.7
153	14.2	12.8	19.2

Manual Integrations
APPROVED

mohammad
6/19/2017 11:06:17 AM



#8

Acenaphthene

Concen: 0.034 ng/ul

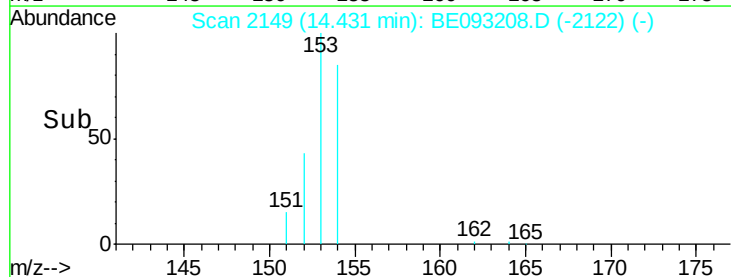
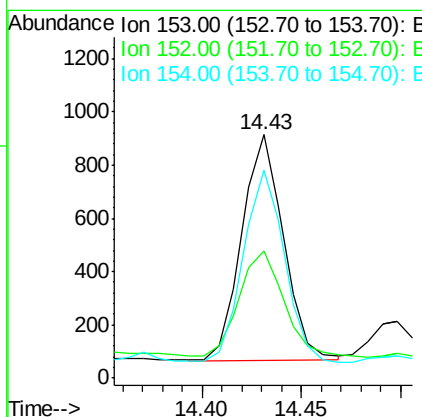
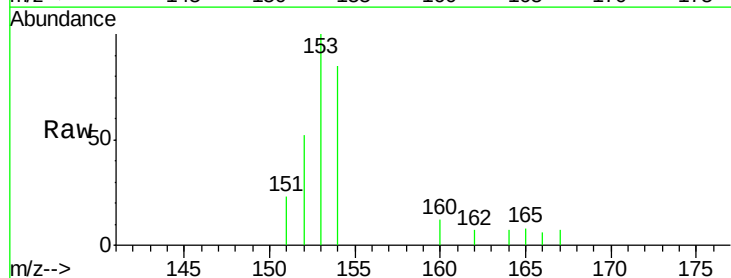
RT: 14.43 min Scan# 2149

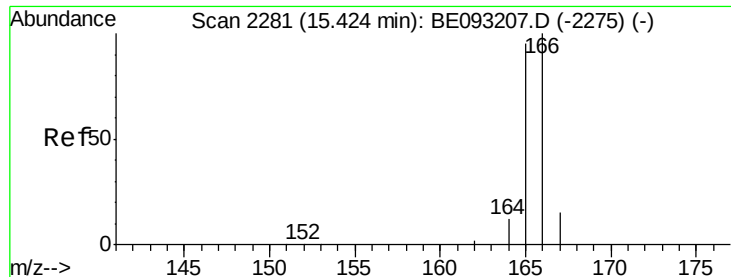
Delta R.T. 0.00 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

Tgt Ion:	153	Resp:	1247
Ion Ratio	Lower	Upper	
153	100		
152	52.2	40.3	60.5
154	85.2	71.4	107.2





#9

Fluorene

Concen: 0.024 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

Instrument :

BNA_E

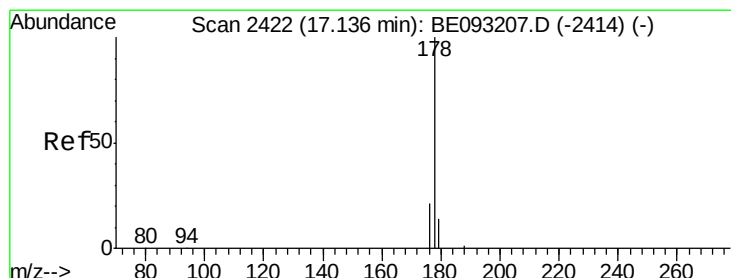
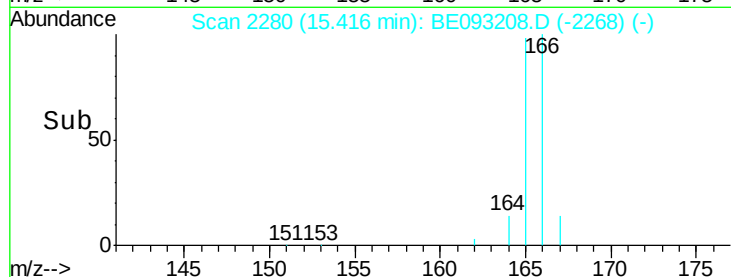
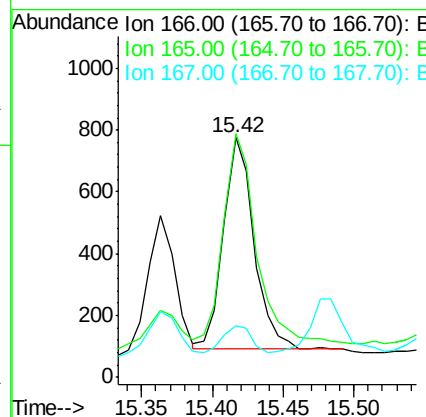
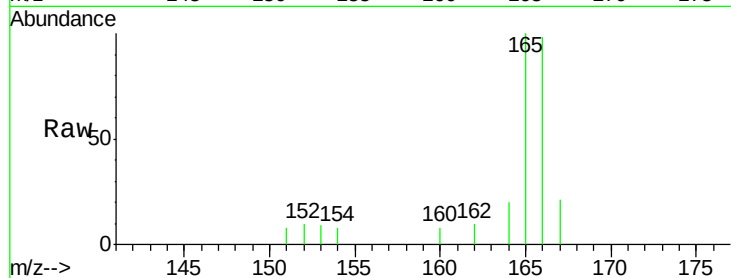
ClientSampleId :

F5B23DL

Tgt Ion:	166	Resp:	1027
Ion Ratio	Lower	Upper	
166	100		
165	101.7	73.4	110.2
167	21.3	14.6	22.0

Manual Integrations
APPROVED

mohammad
6/19/2017 11:06:17 AM



#12

Phenanthrene

Concen: 0.175 ng/ul

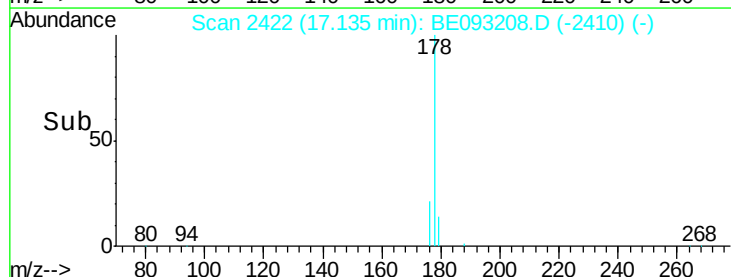
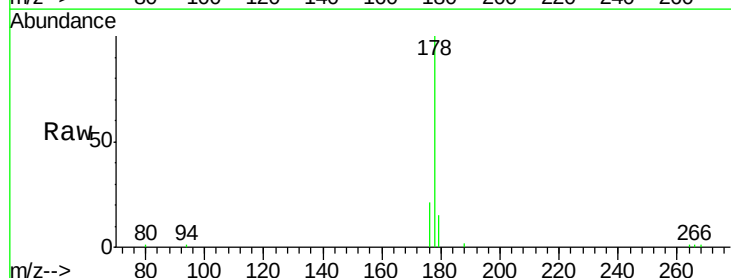
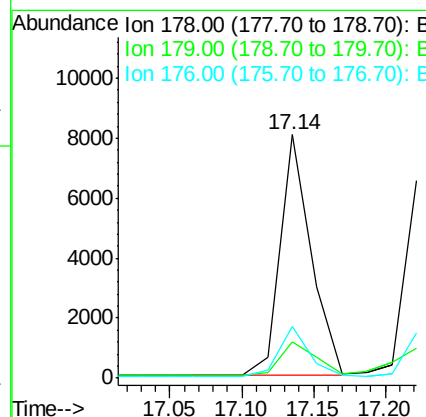
RT: 17.14 min Scan# 2422

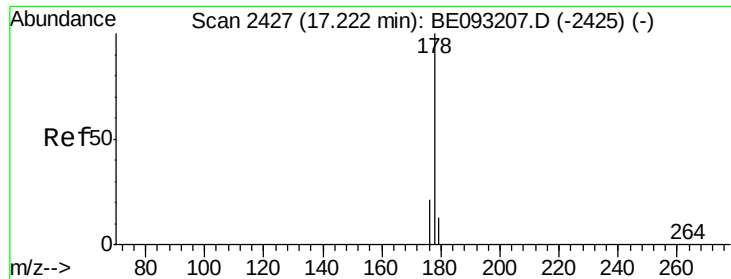
Delta R.T. -0.00 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

Tgt Ion:	178	Resp:	12181
Ion Ratio	Lower	Upper	
178	100		
179	15.0	18.4	27.6#
176	21.4	13.6	20.4#





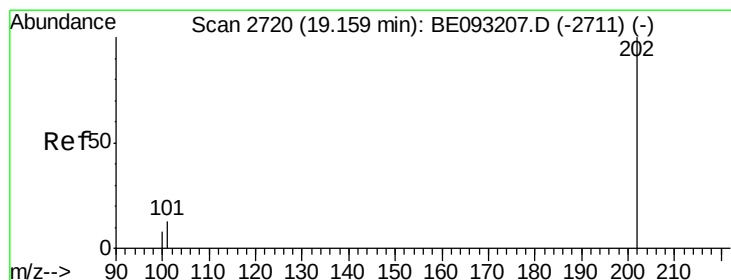
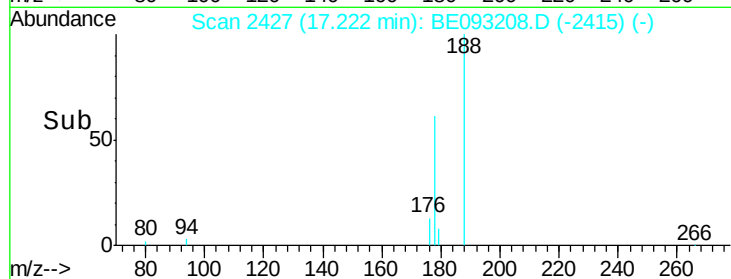
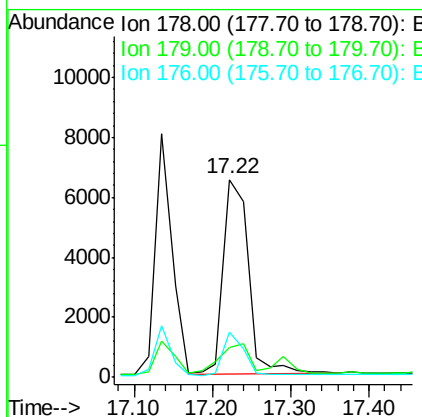
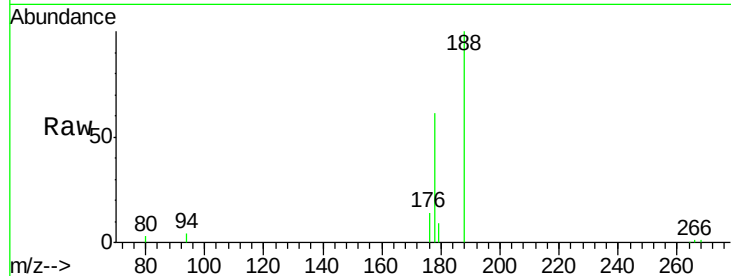
#13
 Anthracene
 Concen: 0.236 ng/ul
 RT: 17.22 min Scan# 2427
 Delta R.T. -0.00 min
 Lab File: BE093208.D
 Acq: 15 Jun 2017 15:00

Instrument :
 BNA_E
 ClientSampleId :
 F5B23DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.0	18.1	27.1#
176	22.6	14.7	22.1#

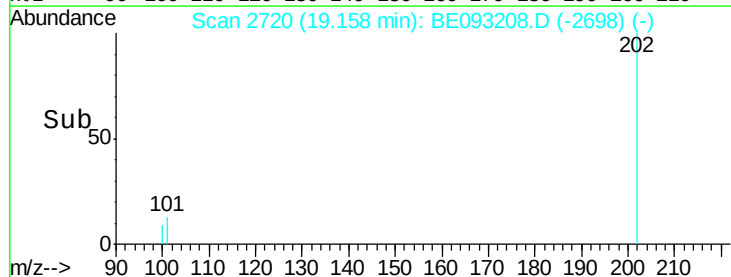
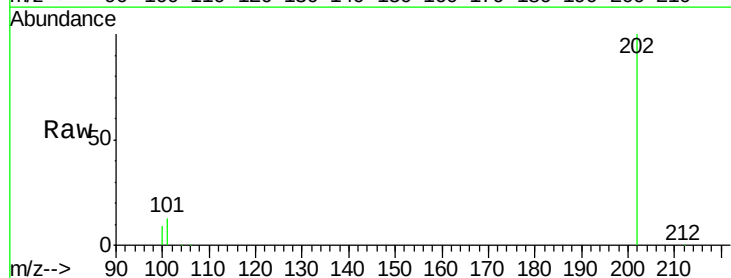
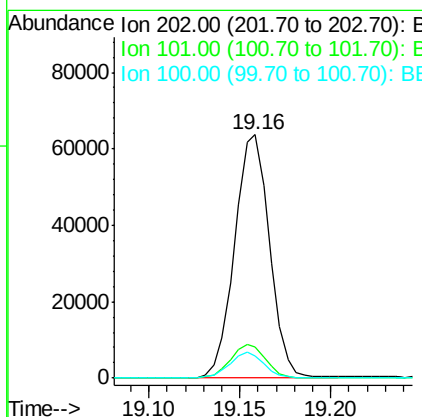
Manual Integrations
 APPROVED

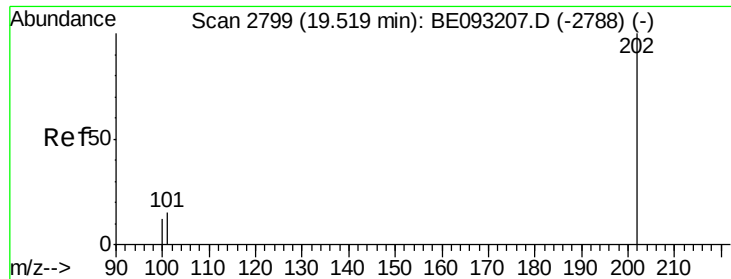
mohammad
 6/19/2017 11:06:17 AM



#15
 Fluoranthene
 Concen: 0.990 ng/ul
 RT: 19.16 min Scan# 2720
 Delta R.T. -0.00 min
 Lab File: BE093208.D
 Acq: 15 Jun 2017 15:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	30.3
100	9.3	0.0	39.5





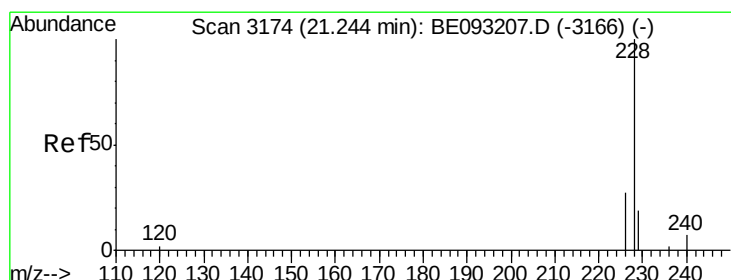
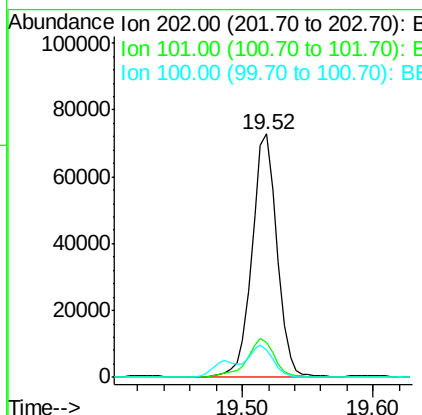
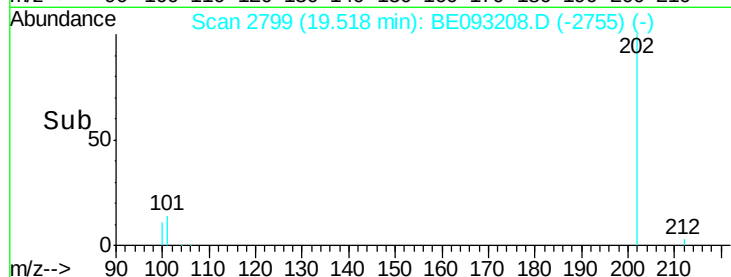
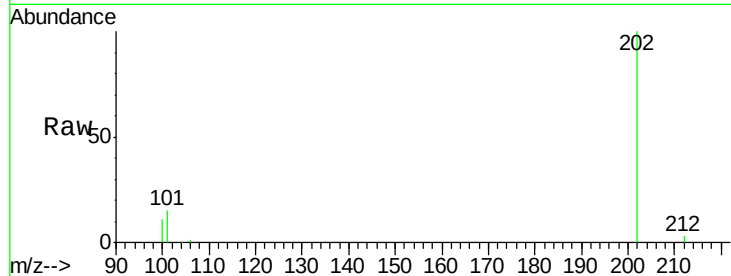
#17
Pyrene
 Concen: 1.281 ng/ul
 RT: 19.52 min Scan# 2799
 Delta R.T. -0.00 min
 Lab File: BE093208.D
 Acq: 15 Jun 2017 15:00

Instrument :
 BNA_E
 ClientSampleId :
 F5B23DL

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	14.5	18.2	27.4#
100	11.5	15.6	23.4#

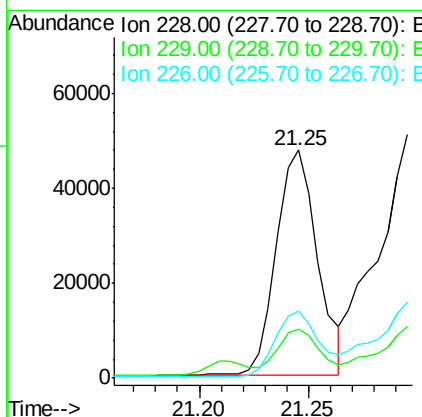
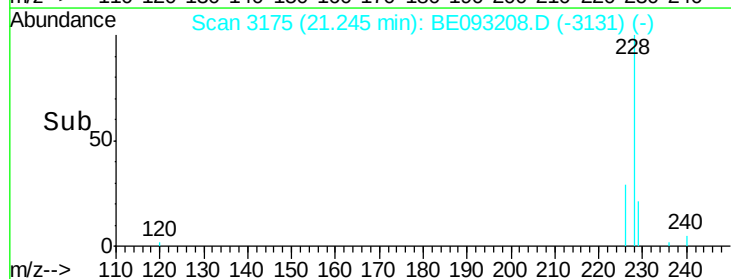
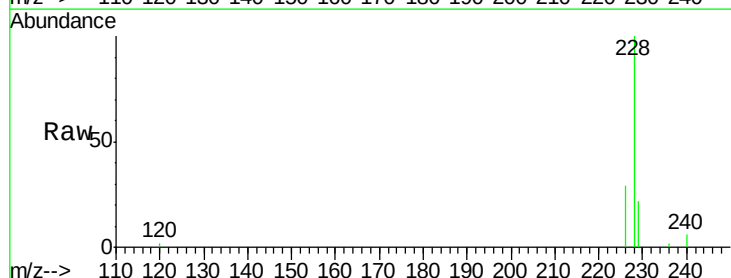
Manual Integrations
 APPROVED

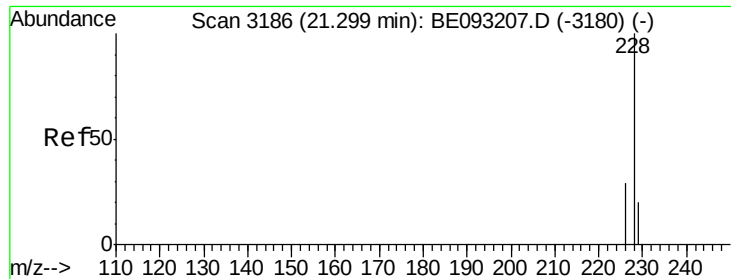
mohammad
 6/19/2017 11:06:17 AM



#18
Benzo(a)anthracene
 Concen: 0.920 ng/ul
 RT: 21.25 min Scan# 3175
 Delta R.T. 0.00 min
 Lab File: BE093208.D
 Acq: 15 Jun 2017 15:00

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.5	22.8	34.2#
226	29.3	17.0	25.6#





#19

Chrysene

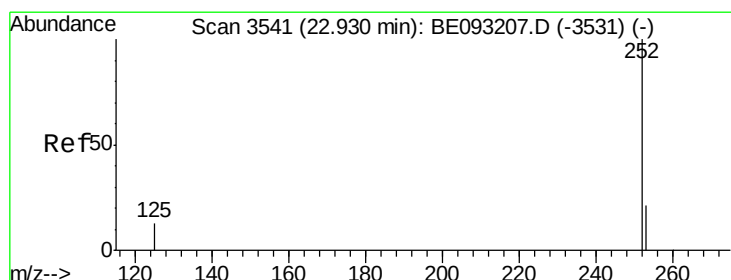
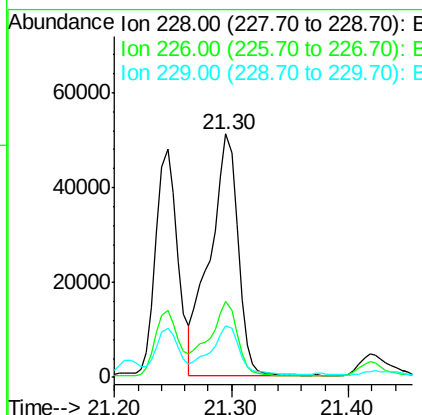
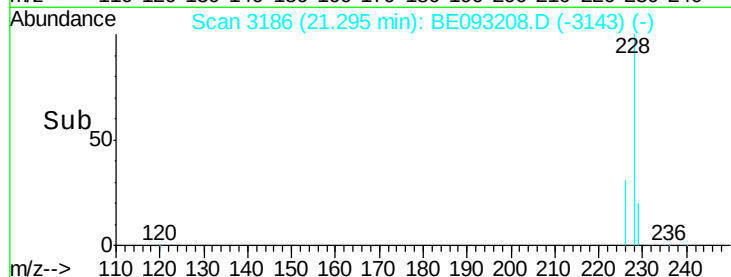
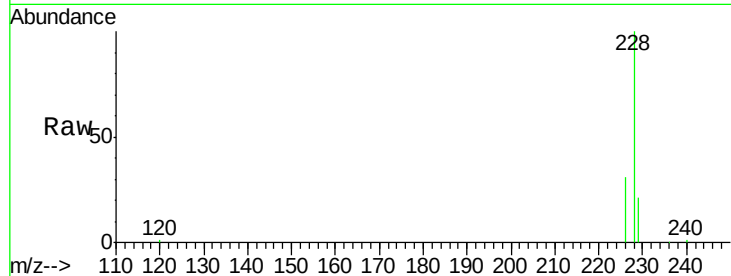
Concen: 1.205 ng/ul
 RT: 21.30 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: BE093208.D
 Acq: 15 Jun 2017 15:00

Instrument :
 BNA_E
 ClientSampleId :
 F5B23DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.4	35.0
229	21.1	17.7	26.5

Manual Integrations
 APPROVED

mohammad
 6/19/2017 11:06:17 AM

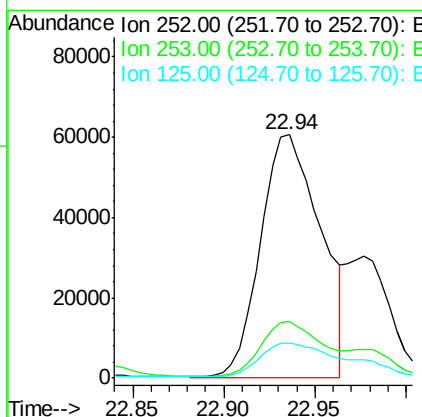
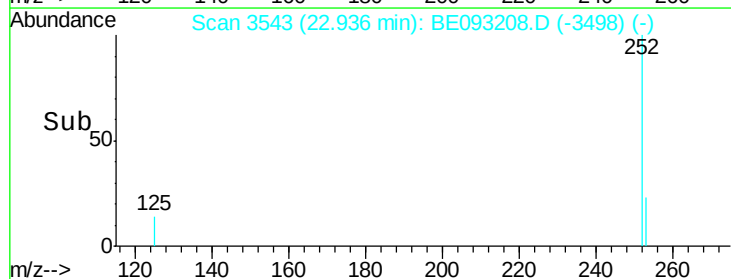
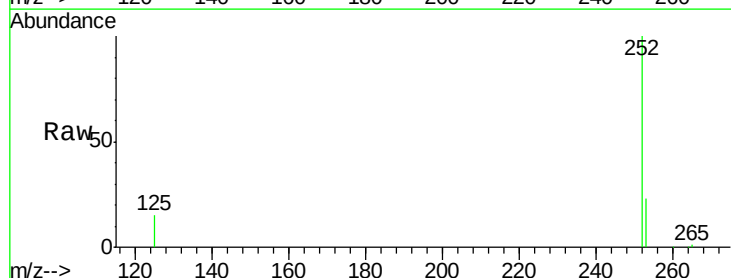


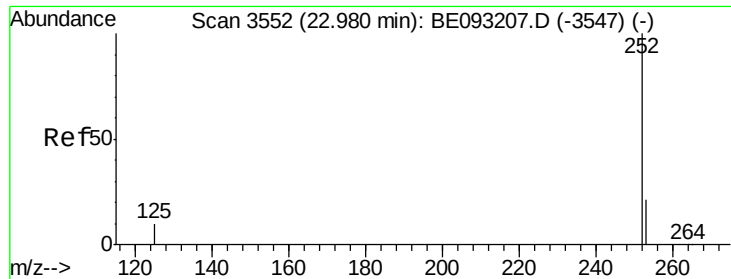
#21

Benzo(b)fluoranthene

Concen: 1.761 ng/ul m
 RT: 22.94 min Scan# 3543
 Delta R.T. 0.01 min
 Lab File: BE093208.D
 Acq: 15 Jun 2017 15:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	0.0	64.2
125	14.5	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 0.612 ng/ul m

RT: 22.98 min Scan# 3552

Delta R.T. -0.00 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

Instrument :

BNA_E

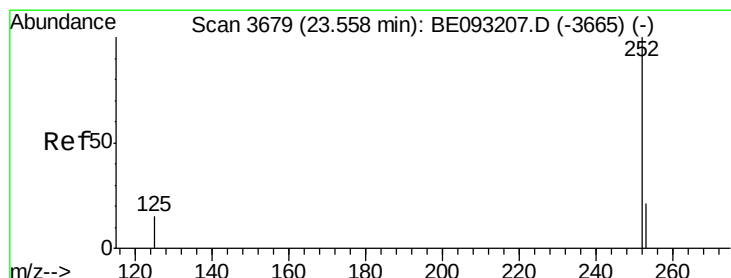
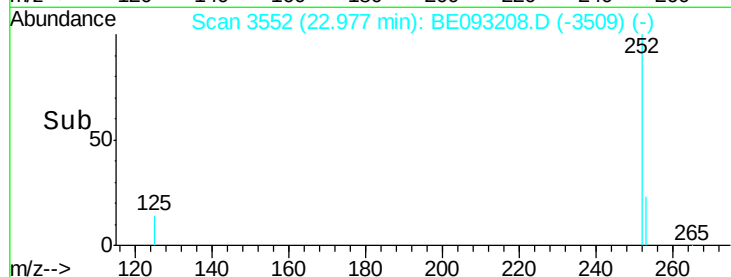
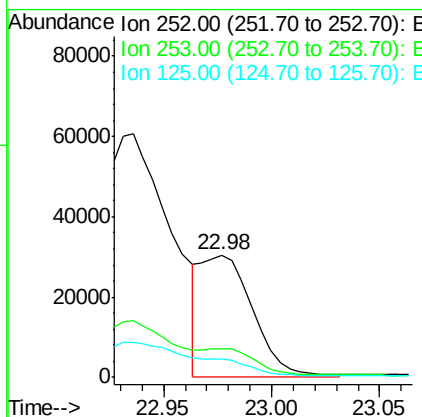
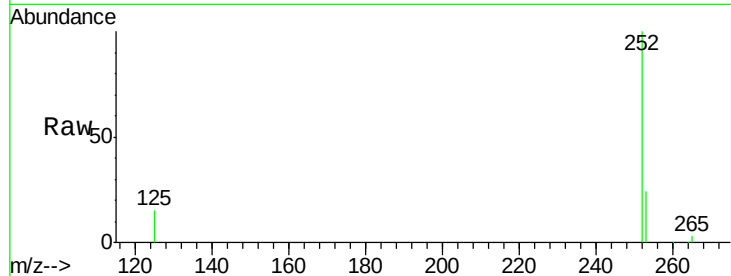
ClientSampleId :

F5B23DL

Tgt Ion:	252	Resp:	51500
Ion Ratio	Lower	Upper	
252	100		
253	23.9	24.5	36.7#
125	14.9	13.7	20.5

Manual Integrations
APPROVED

mohammad
6/19/2017 11:06:17 AM



#23

Benzo(a)pyrene

Concen: 1.007 ng/ul

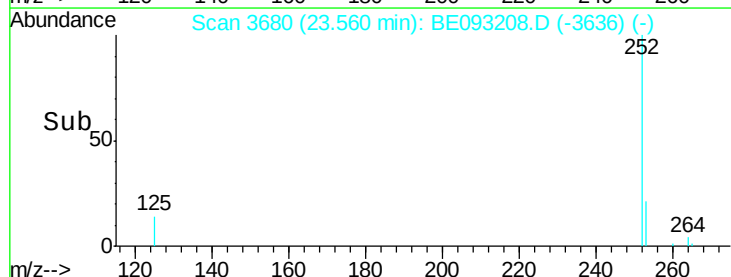
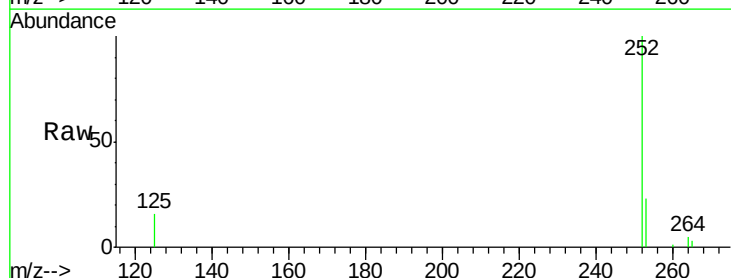
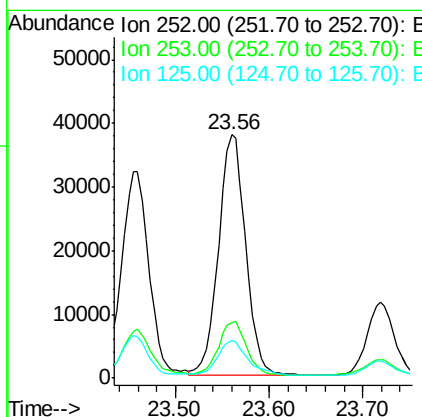
RT: 23.56 min Scan# 3680

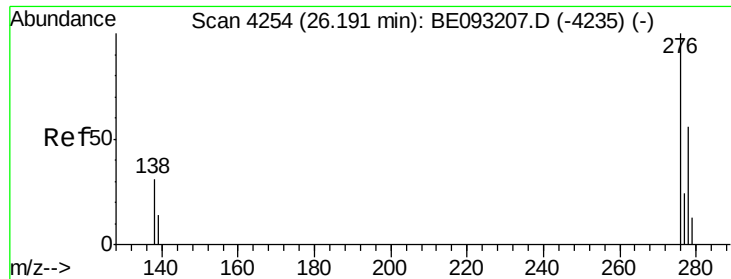
Delta R.T. 0.00 min

Lab File: BE093208.D

Acq: 15 Jun 2017 15:00

Tgt Ion:	252	Resp:	75419
Ion Ratio	Lower	Upper	
252	100		
253	23.0	28.5	42.7#
125	15.5	18.1	27.1#





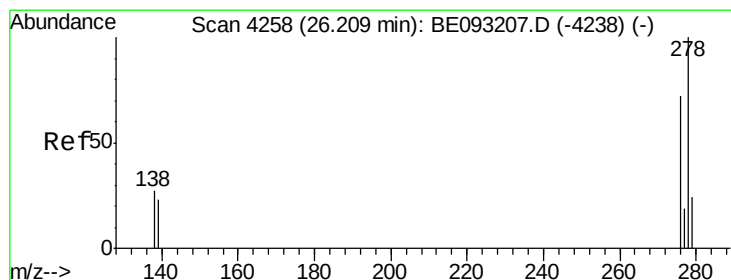
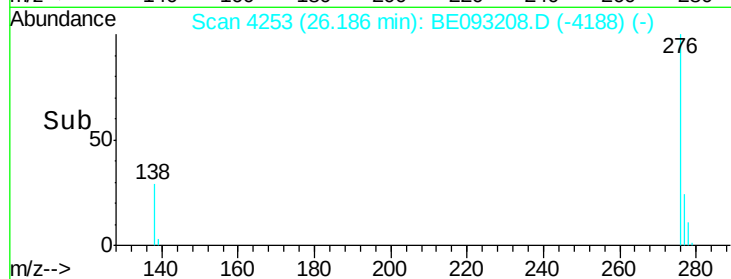
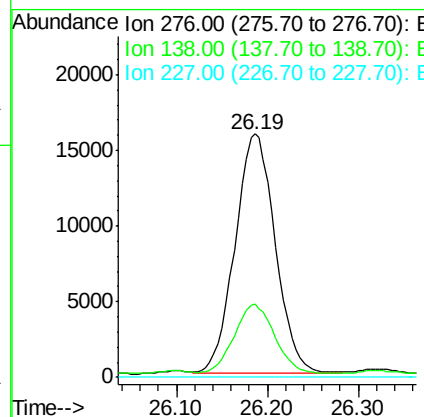
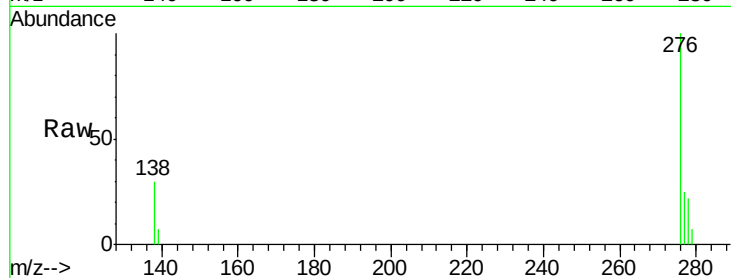
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.558 ng/ul
 RT: 26.19 min Scan# 4253
 Delta R.T. -0.00 min
 Lab File: BE093208.D
 Acq: 15 Jun 2017 15:00

Instrument :
 BNA_E
 ClientSampleId :
 F5B23DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.7	28.0	42.0
227	0.0	8.0	12.0

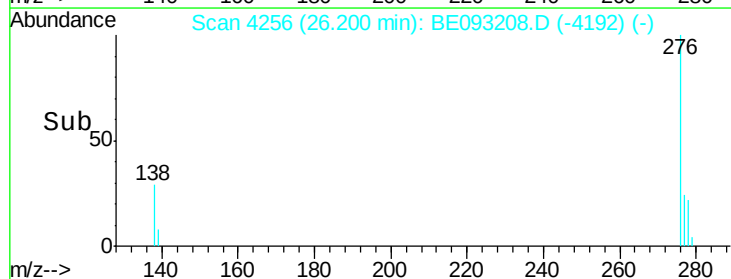
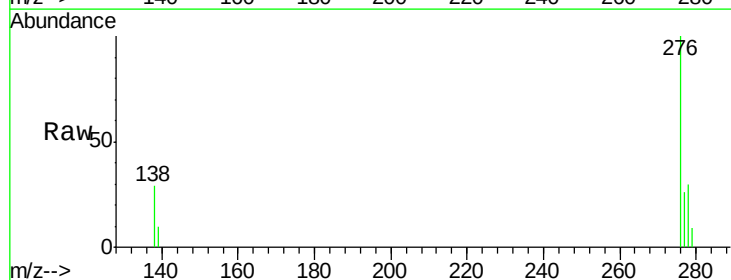
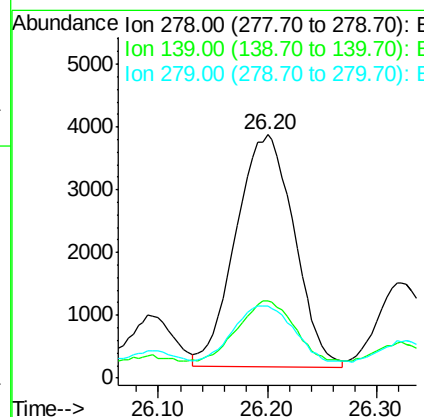
Manual Integrations
 APPROVED

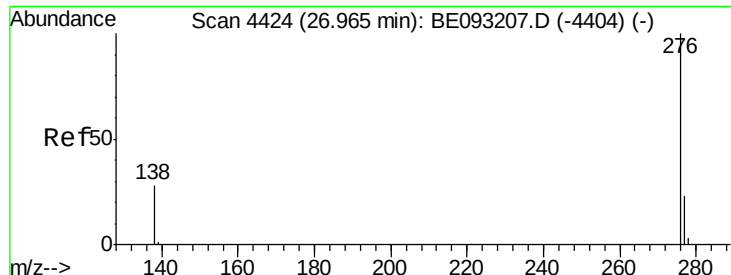
mohammad
 6/19/2017 11:06:17 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.188 ng/ul
 RT: 26.20 min Scan# 4256
 Delta R.T. -0.01 min
 Lab File: BE093208.D
 Acq: 15 Jun 2017 15:00

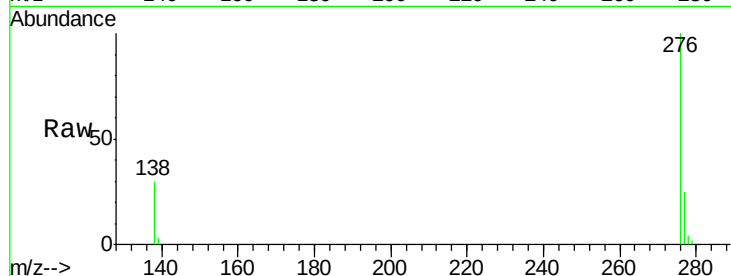
Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.9	17.4	26.0
279	29.8	25.9	38.9





#26
 Benzo(g,h,i)perylene
 Concen: 0.534 ng/ul
 RT: 26.97 min Scan# 4424
 Delta R.T. 0.00 min
 Lab File: BE093208.D
 Acq: 15 Jun 2017 15:00

Instrument :
 BNA_E
 ClientSampleId :
 F5B23DL



Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.0	21.8	32.8
277	24.9	20.5	30.7

Manual Integrations
 APPROVED

mohammad
 6/19/2017 11:06:17 AM

