

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\
 Data File : BE093279.D
 Acq On : 20 Jun 2017 13:39
 Operator : SJ/JU
 Sample : I3625-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5A83

Manual Integrations
 APPROVED

mohammad
 6/21/2017 12:18:07 PM

Quant Time: Jun 21 02:06:32 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 21 01:49:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1687	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	8555	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	5433	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	13136m	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13053	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11003m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	3634	0.29	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	9944	0.28	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.57	128	3600	0.170	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	1582	0.109	ng/ul	99
7) Acenaphthylene	14.08	152	464	0.020	ng/ul#	55
8) Acenaphthene	14.43	153	1880	0.100	ng/ul	99
9) Fluorene	15.42	166	2913	0.132	ng/ul	93
12) Phenanthrene	17.14	178	16529	0.457	ng/ul#	88
13) Anthracene	17.22	178	2758	0.088	ng/ul#	94
15) Fluoranthene	19.15	202	11140	0.251	ng/ul	84
17) Pyrene	19.51	202	9613	0.250	ng/ul#	92
18) Benzo(a)anthracene	21.24	228	2219	0.064	ng/ul#	85
19) Chrysene	21.30	228	1927m	0.053	ng/ul	
21) Benzo(b)fluoranthene	22.93	252	1381	0.041	ng/ul#	51

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

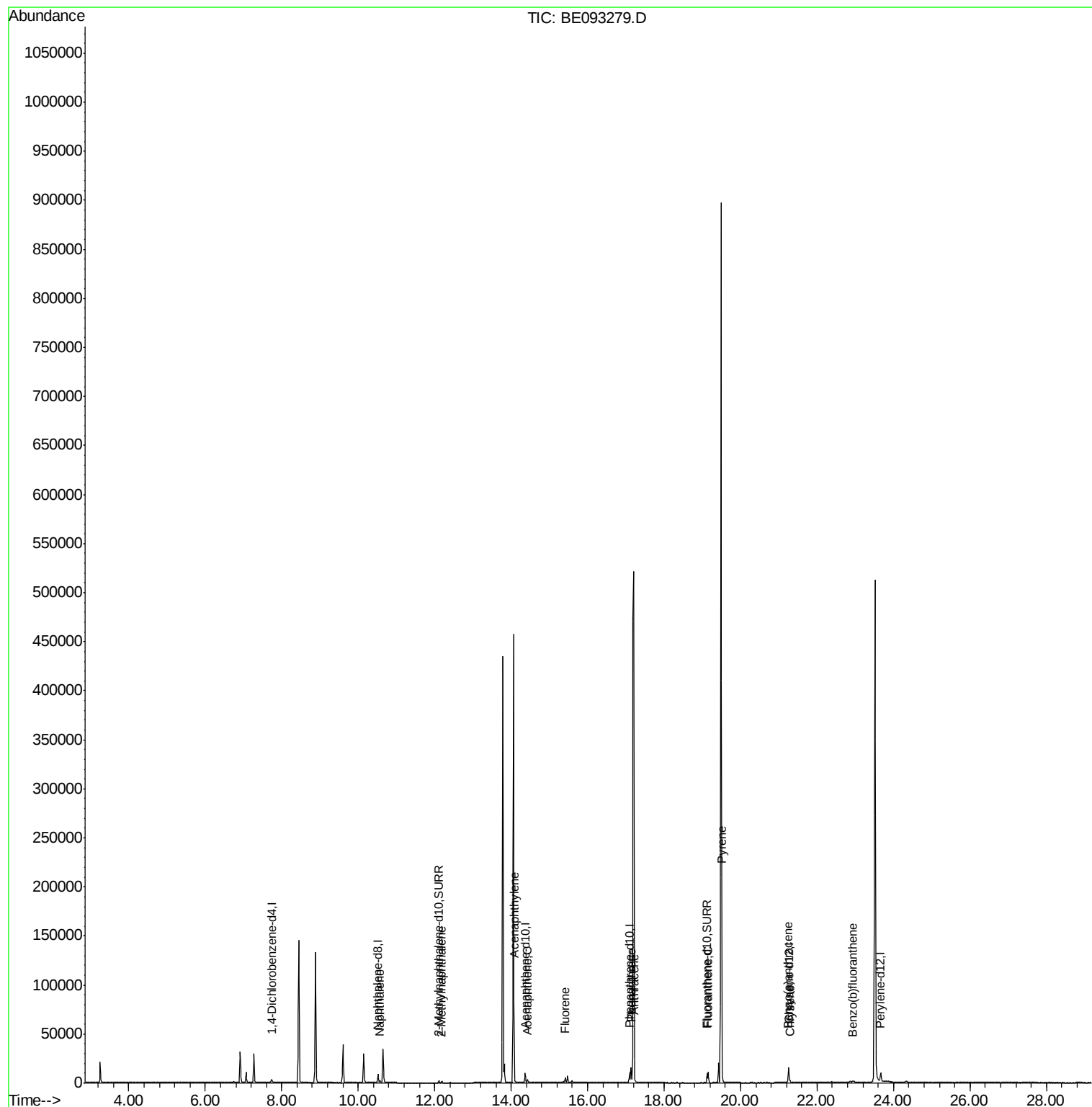
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\
Data File : BE093279.D
Acq On : 20 Jun 2017 13:39
Operator : SJ/JU
Sample : I3625-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

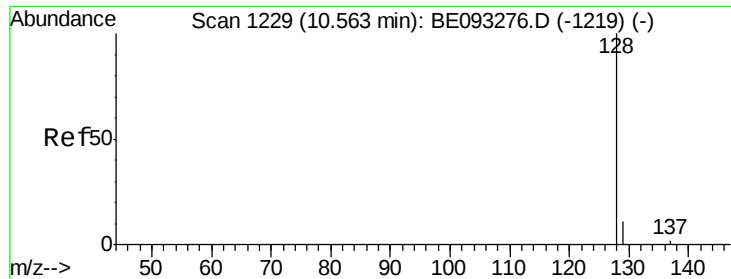
Instrument :
BNA_E
ClientSampleId :
F5A83

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:07 PM

Quant Time: Jun 21 02:06:32 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 21 01:49:50 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.170 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. 0.01 min

Lab File: BE093279.D

Acq: 20 Jun 2017 13:39

Instrument :

BNA_E

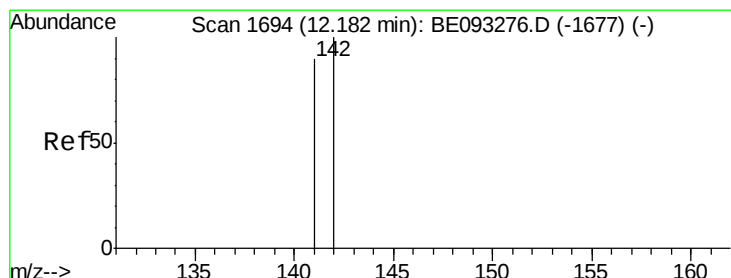
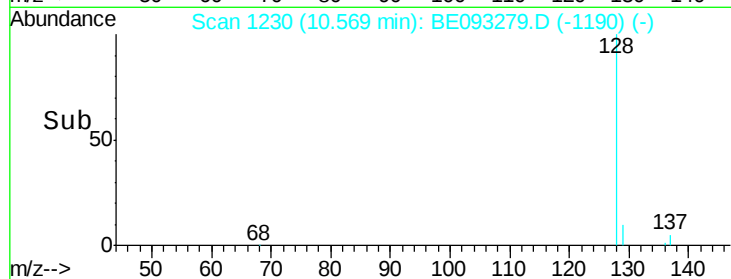
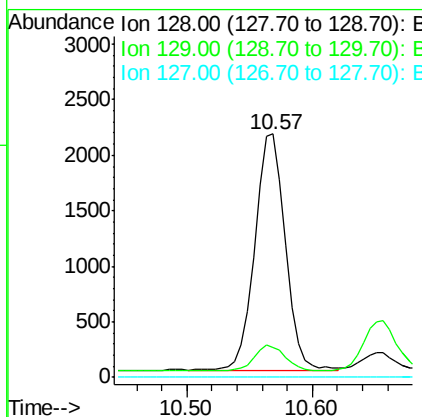
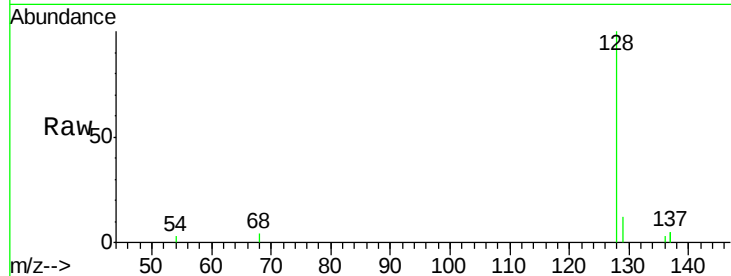
ClientSampleId :

F5A83

Tgt Ion:	128	Resp:	3600
Ion Ratio	Lower	Upper	
128	100		
129	12.4	11.3	16.9
127	0.0	4.0	6.0

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:07 PM



#5

2-Methylnaphthalene

Concen: 0.109 ng/ul

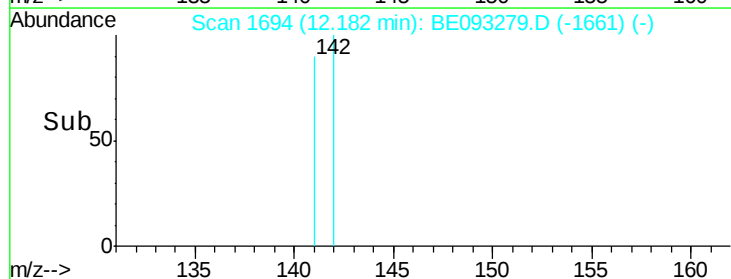
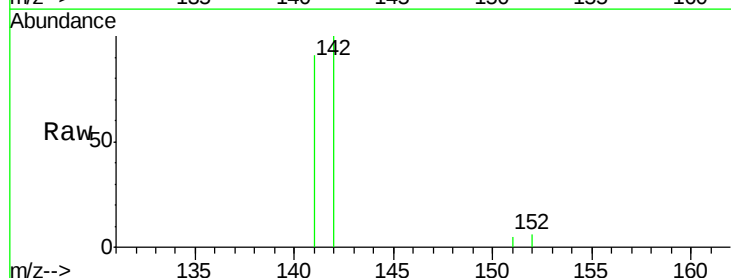
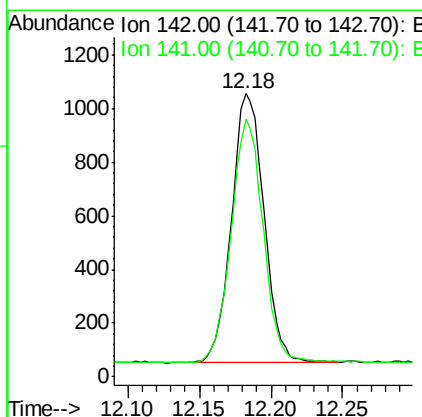
RT: 12.18 min Scan# 1694

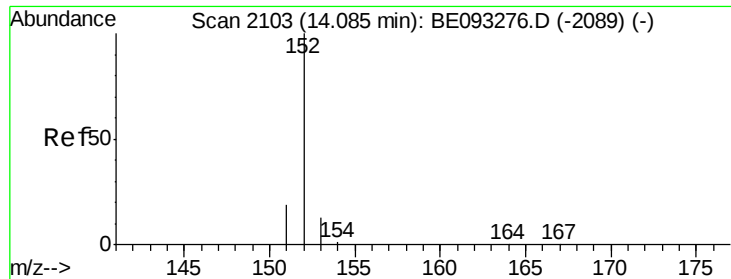
Delta R.T. 0.00 min

Lab File: BE093279.D

Acq: 20 Jun 2017 13:39

Tgt Ion:	142	Resp:	1582
Ion Ratio	Lower	Upper	
142	100		
141	89.3	72.6	108.8





#7

Acenaphthylene

Concen: 0.020 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093279.D

Acq: 20 Jun 2017 13:39

Instrument :

BNA_E

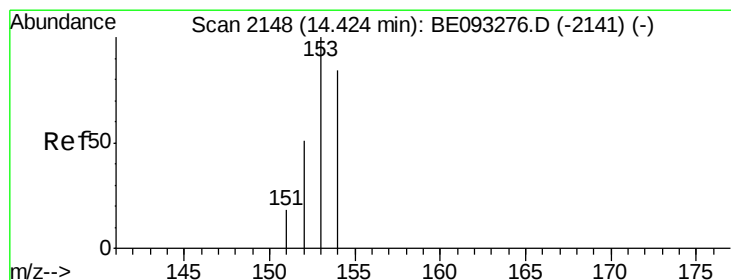
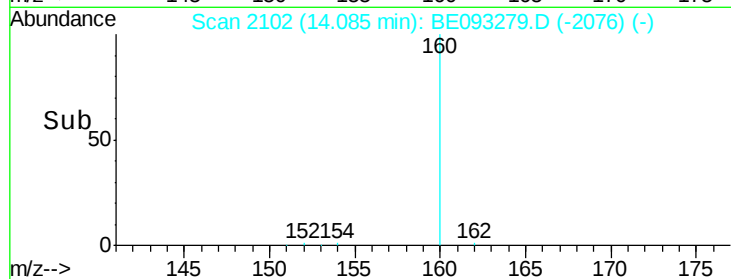
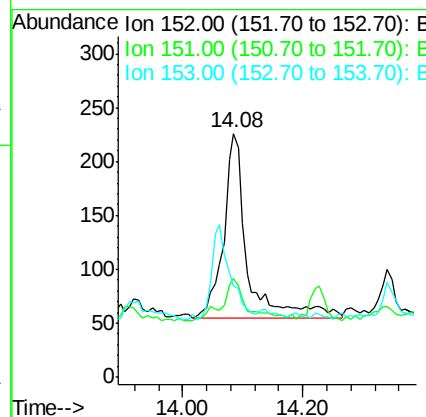
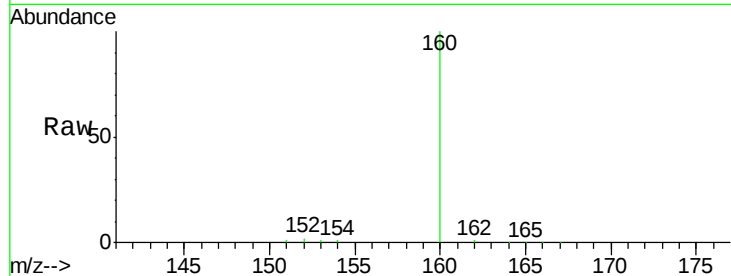
ClientSampleId :

F5A83

Tgt Ion:	152	Resp:	464
Ion Ratio	Lower	Upper	
152	100		
151	40.7	17.1	25.7#
153	37.2	12.8	19.2#

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:07 PM



#8

Acenaphthene

Concen: 0.100 ng/ul

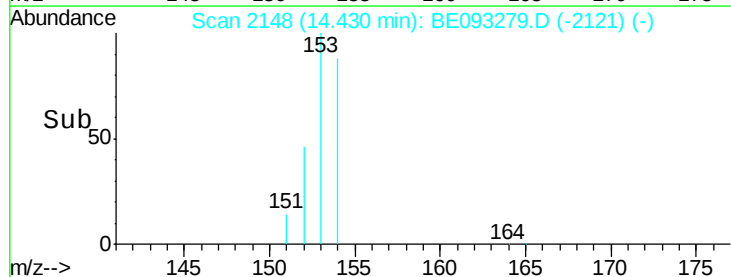
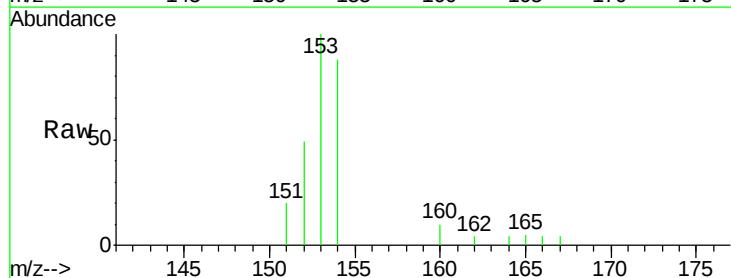
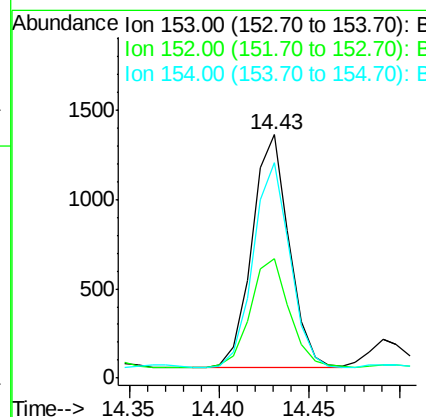
RT: 14.43 min Scan# 2148

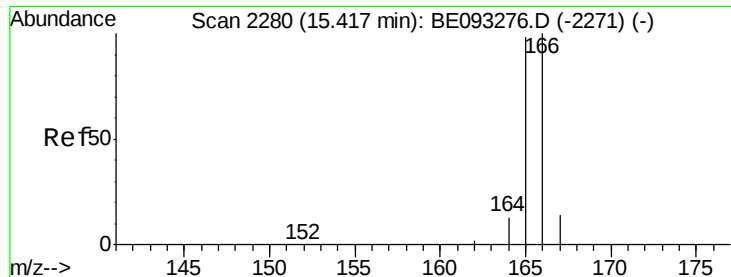
Delta R.T. 0.01 min

Lab File: BE093279.D

Acq: 20 Jun 2017 13:39

Tgt Ion:	153	Resp:	1880
Ion Ratio	Lower	Upper	
153	100		
152	49.0	40.3	60.5
154	88.3	71.4	107.2





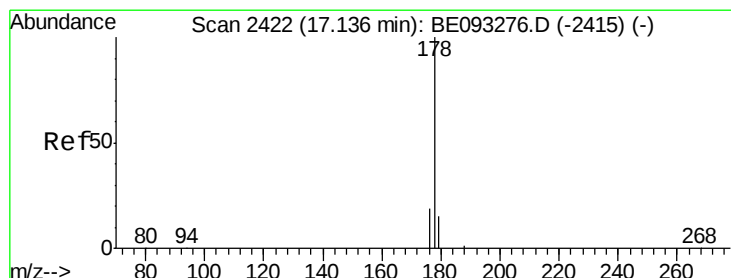
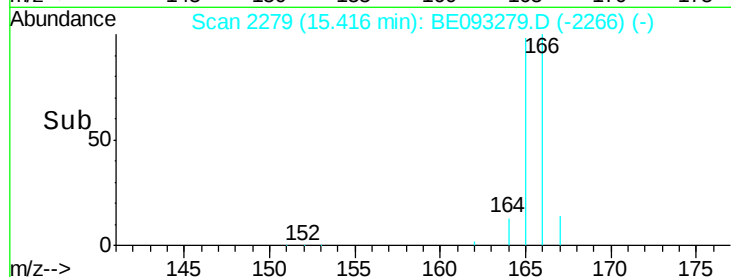
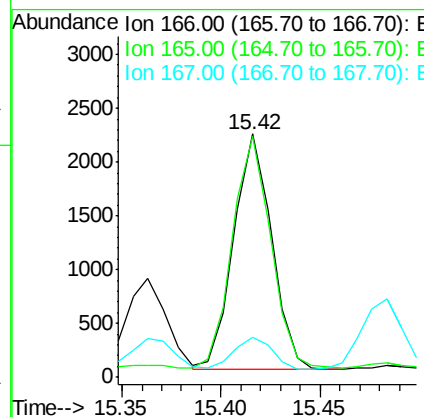
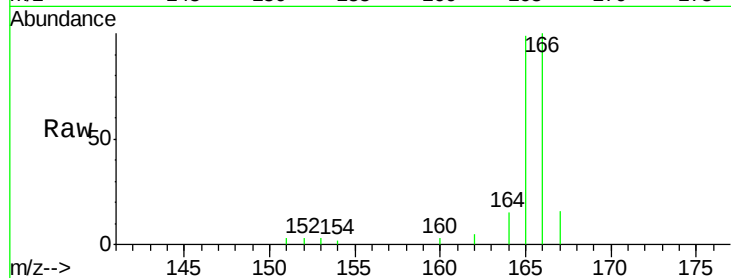
#9
Fluorene
 Concen: 0.132 ng/ul
 RT: 15.42 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BE093279.D
 Acq: 20 Jun 2017 13:39

Instrument :
 BNA_E
 ClientSampleId :
 F5A83

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.8	73.4	110.2
167	16.4	14.6	22.0

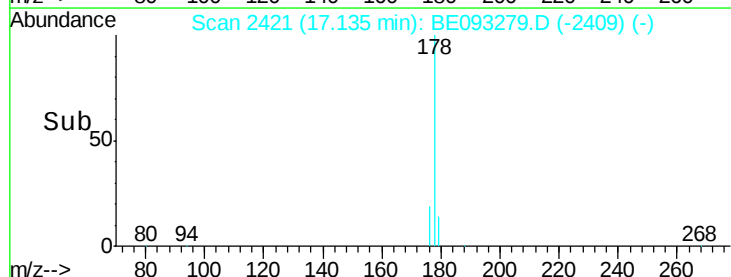
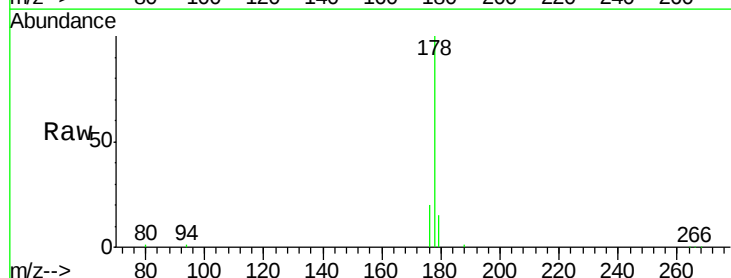
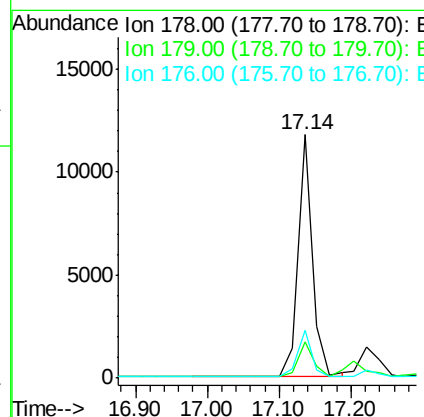
Manual Integrations
 APPROVED

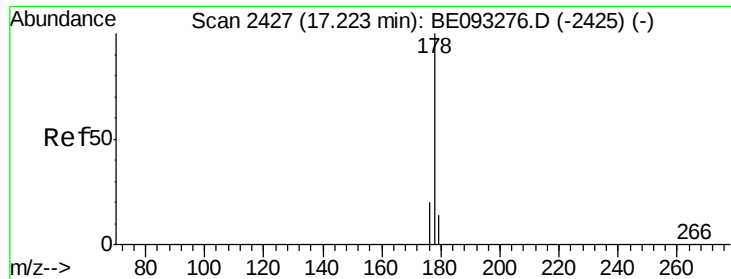
mohammad
 6/21/2017 12:18:07 PM



#12
Phenanthrene
 Concen: 0.457 ng/ul
 RT: 17.14 min Scan# 2421
 Delta R.T. -0.00 min
 Lab File: BE093279.D
 Acq: 20 Jun 2017 13:39

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	18.4	27.6#
176	19.6	13.6	20.4





#13

Anthracene

Concen: 0.088 ng/ul

RT: 17.22 min Scan# 2426

Delta R.T. -0.00 min

Lab File: BE093279.D

Acq: 20 Jun 2017 13:39

Instrument :

BNA_E

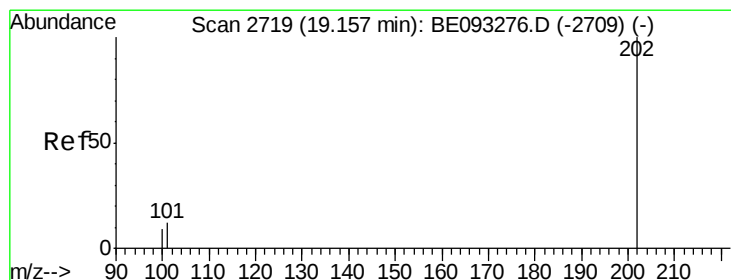
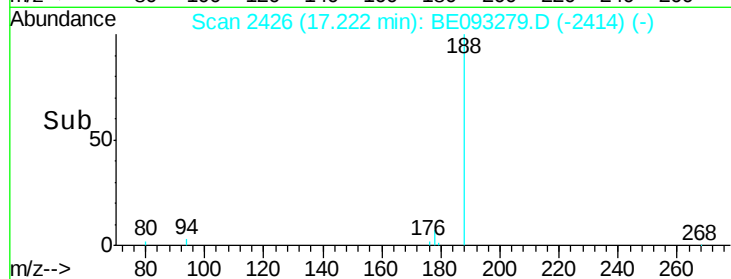
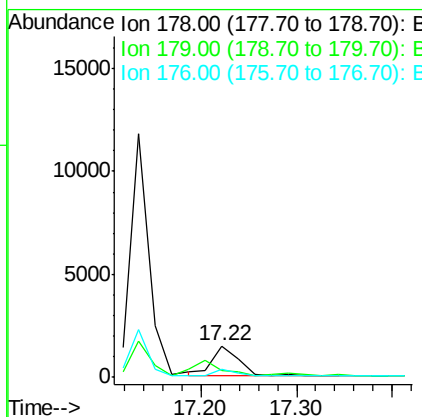
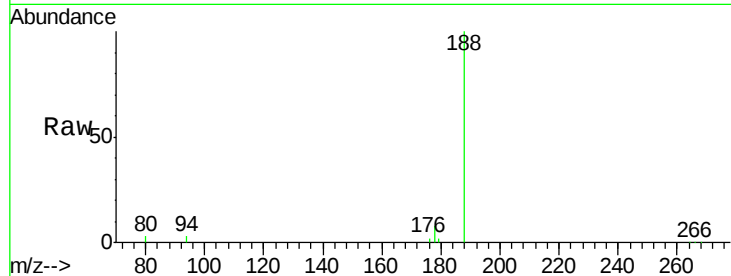
ClientSampleId :

F5A83

Tgt Ion:	178	Resp:	2758
Ion Ratio	Lower	Upper	
178	100		
179	22.4	18.1	27.1
176	24.1	14.7	22.1#

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:07 PM



#15

Fluoranthene

Concen: 0.251 ng/ul

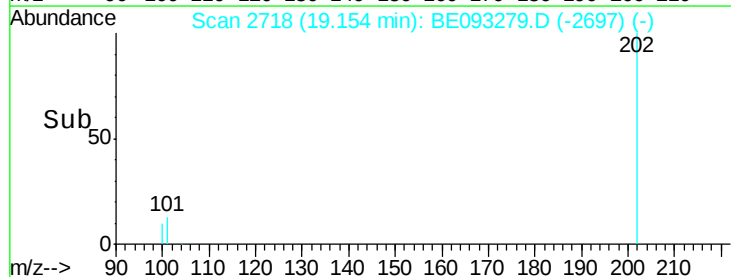
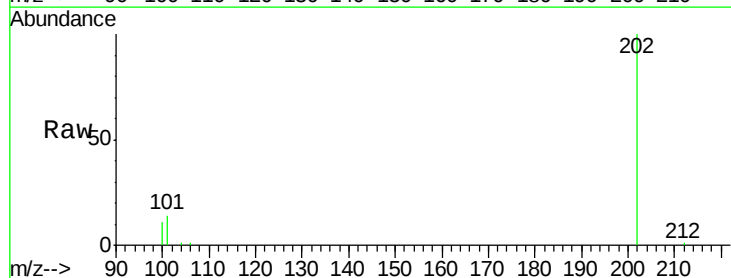
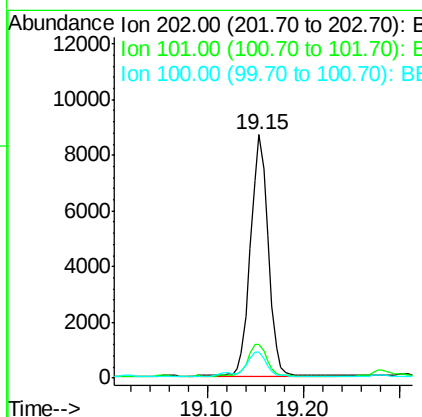
RT: 19.15 min Scan# 2718

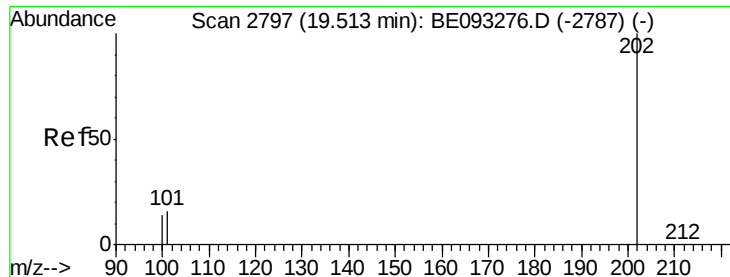
Delta R.T. -0.00 min

Lab File: BE093279.D

Acq: 20 Jun 2017 13:39

Tgt Ion:	202	Resp:	11140
Ion Ratio	Lower	Upper	
202	100		
101	14.1	0.0	30.3
100	10.7	0.0	39.5





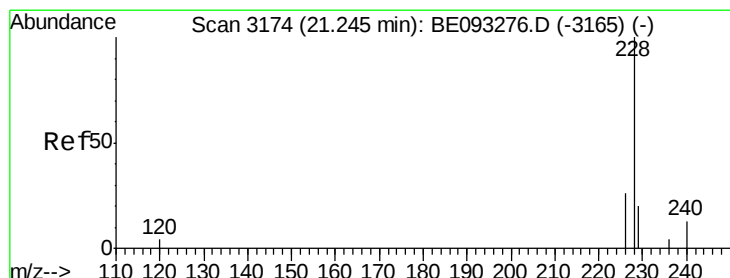
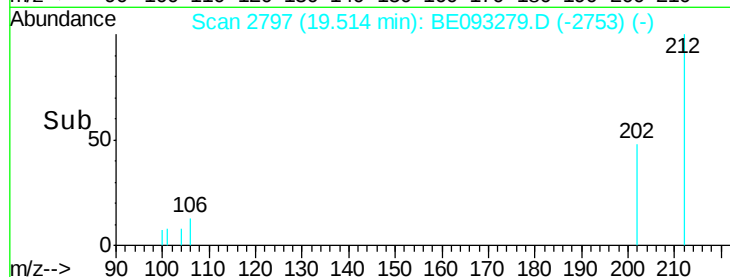
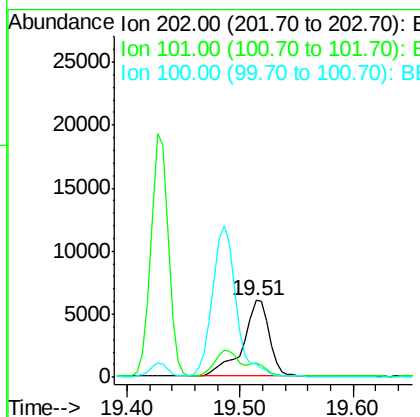
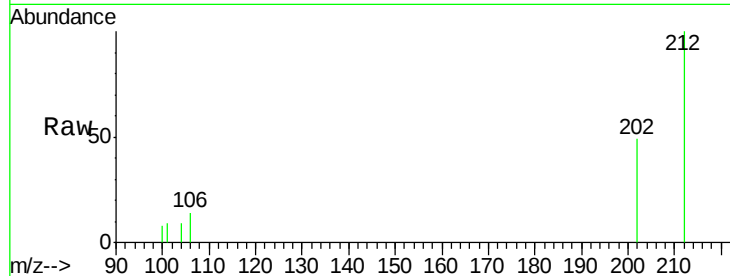
#17
Pyrene
Concen: 0.250 ng/ul
RT: 19.51 min Scan# 2797
Delta R.T. 0.00 min
Lab File: BE093279.D
Acq: 20 Jun 2017 13:39

Instrument :
BNA_E
ClientSampled :
F5A83

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	9613		
101	18.1		18.2	27.4#
100	16.4		15.6	23.4

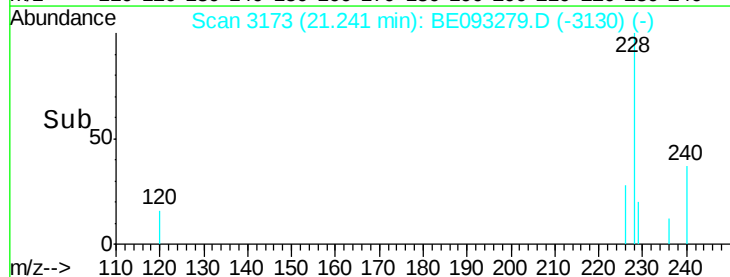
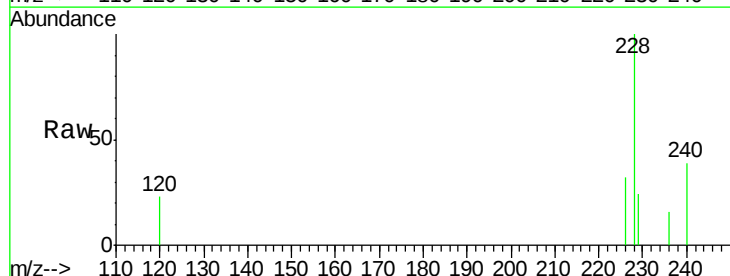
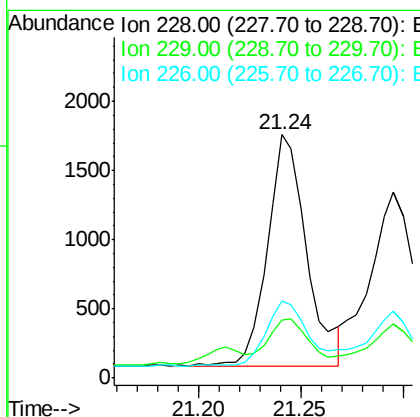
Manual Integrations
APPROVED

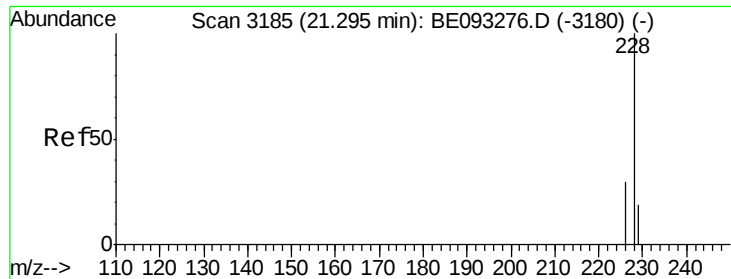
mohammad
6/21/2017 12:18:07 PM



#18
Benzo(a)anthracene
Concen: 0.064 ng/ul
RT: 21.24 min Scan# 3173
Delta R.T. -0.00 min
Lab File: BE093279.D
Acq: 20 Jun 2017 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	2219		
229	23.9		22.8	34.2
226	31.8		17.0	25.6#





#19

Chrysene

Concen: 0.053 ng/ul m

RT: 21.30 min Scan# 3185

Delta R.T. 0.00 min

Lab File: BE093279.D

Acq: 20 Jun 2017 13:39

Instrument :

BNA_E

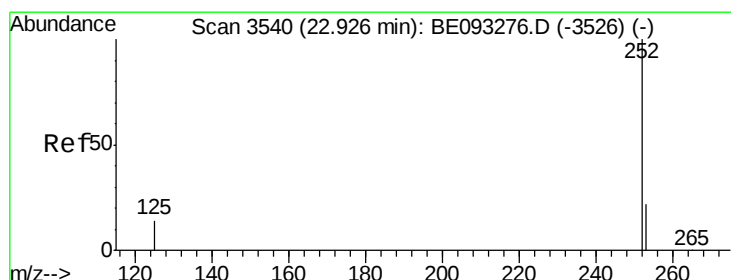
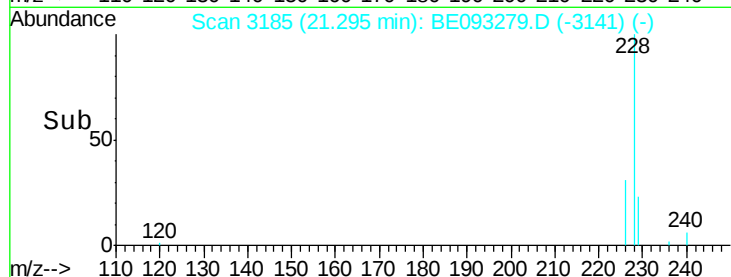
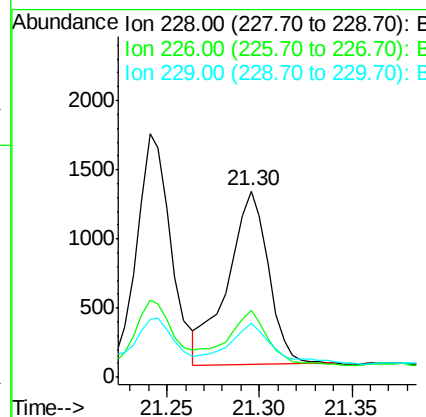
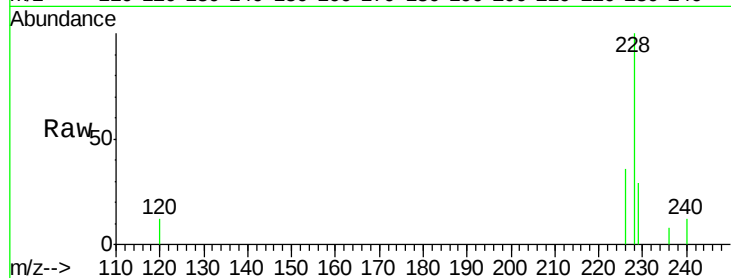
ClientSampleId :

F5A83

Tgt Ion:	228	Resp:	1927
Ion Ratio	Lower	Upper	
228	100		
226	35.9	23.4	35.0#
229	28.8	17.7	26.5#

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:07 PM



#21

Benzo(b)fluoranthene

Concen: 0.041 ng/ul

RT: 22.93 min Scan# 3541

Delta R.T. 0.01 min

Lab File: BE093279.D

Acq: 20 Jun 2017 13:39

Tgt Ion:	252	Resp:	1381
Ion Ratio	Lower	Upper	
252	100		
253	45.8	0.0	64.2
125	58.6	0.0	35.0#

