

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081417\
 Data File : BE093796.D
 Acq On : 14 Aug 2017 20:42
 Operator : SJ/JU
 Sample : I4529-20
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC1

Manual Integrations
 APPROVED

Sohil
 8/21/2017 1:43:30 PM

Quant Time: Aug 15 19:13:57 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 10:51:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2981	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	15562	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	9927m	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	21455	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	21135	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	17697m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	8197	0.33	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	19221	0.28	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.75	128	144688	3.822	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	148551	5.380	ng/ul	99
7) Acenaphthylene	14.24	152	14412	0.347	ng/ul#	73
8) Acenaphthene	14.59	153	15454	0.473	ng/ul#	86
9) Fluorene	15.57	166	67918	1.645	ng/ul	89
12) Phenanthrene	17.29	178	84436	1.445	ng/ul#	89
13) Anthracene	17.38	178	26051	0.458	ng/ul#	72
15) Fluoranthene	19.30	202	46548	0.637	ng/ul	83
17) Pyrene	19.67	202	54237	0.879	ng/ul#	85
18) Benzo(a)anthracene	21.40	228	17173	0.280	ng/ul#	68
19) Chrysene	21.45	228	16058	0.273	ng/ul#	65
21) Benzo(b)fluoranthene	23.15	252	11784m	0.215	ng/ul	
22) Benzo(k)fluoranthene	23.19	252	4593m	0.085	ng/ul	
23) Benzo(a)pyrene	23.81	252	10220m	0.196	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.55	276	4808m	0.084	ng/ul	
26) Benzo(g,h,i)perylene	27.38	276	4105m	0.085	ng/ul	

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

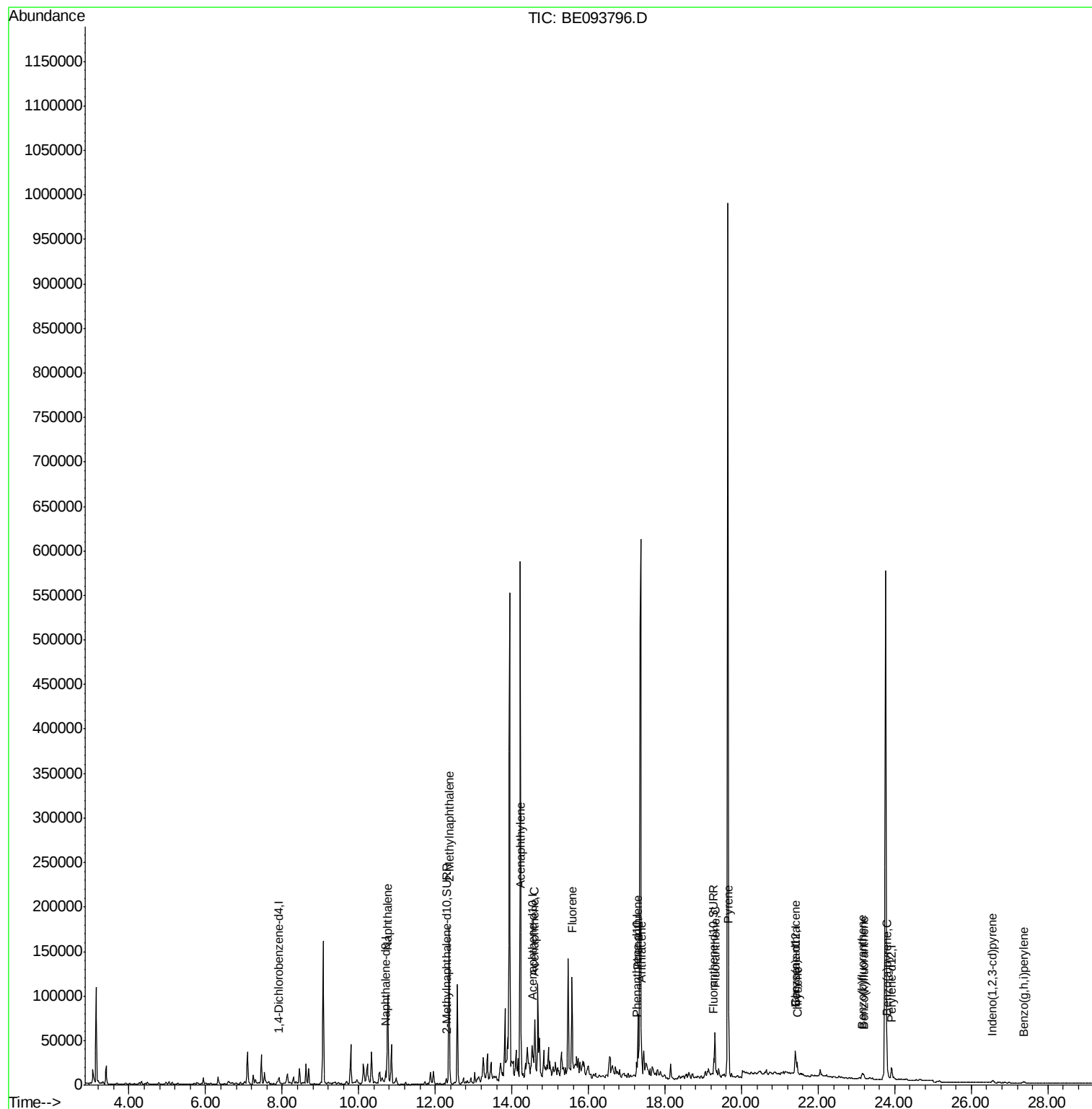
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081417\
Data File : BE093796.D
Acq On : 14 Aug 2017 20:42
Operator : SJ/JU
Sample : I4529-20
Misc :
ALS Vial : 14 Sample Multiplier: 1

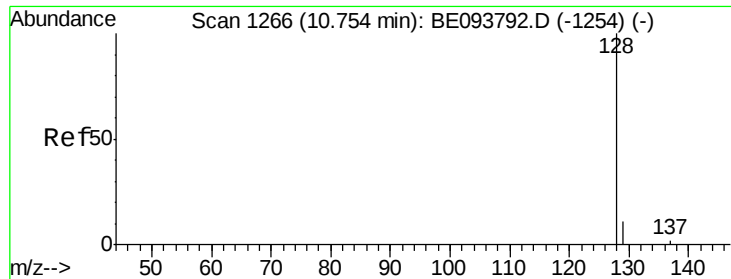
Instrument :
BNA_E
ClientSampleId :
C0AC1

Manual Integrations
APPROVED

Sohil
8/21/2017 1:43:30 PM

Quant Time: Aug 15 19:13:57 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 10:51:12 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 3.822 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE093796.D

Acq: 14 Aug 2017 20:42

Instrument :

BNA_E

ClientSampled :

C0AC1

Tgt Ion:128 Resp: 144688

Ion Ratio Lower Upper

128 100

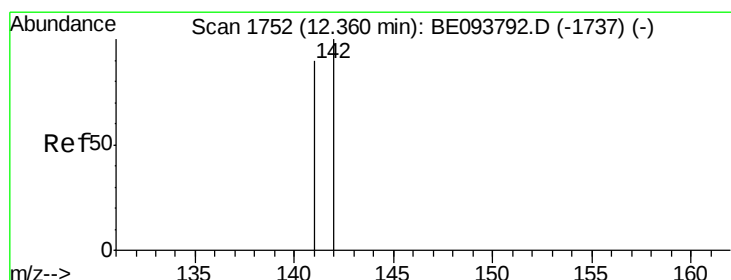
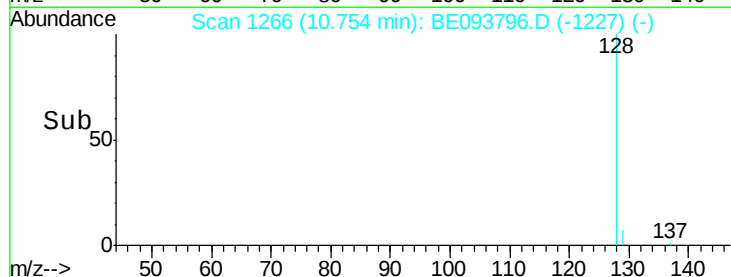
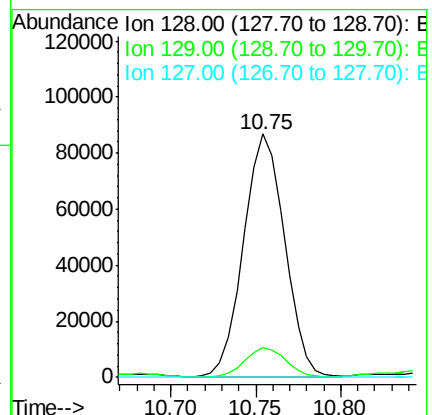
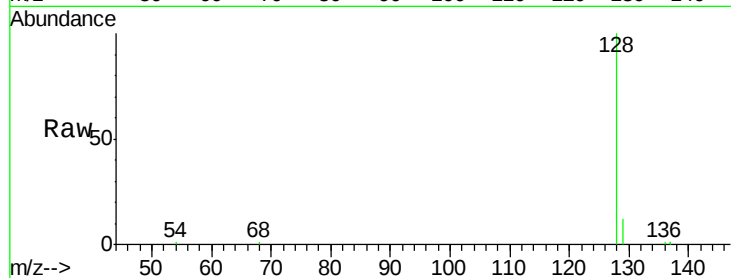
129 12.2 11.3 16.9

127 0.0 4.0 6.0#

Manual Integrations
APPROVED

Sohil

8/21/2017 1:43:30 PM



#5

2-Methylnaphthalene

Concen: 5.380 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE093796.D

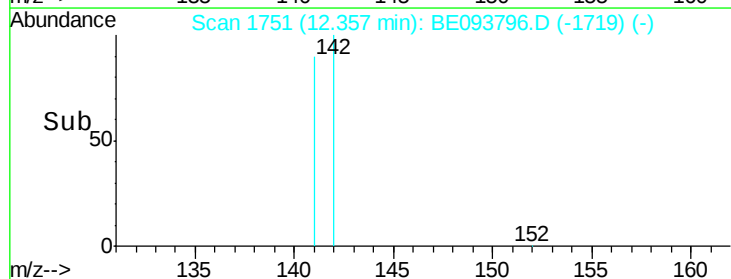
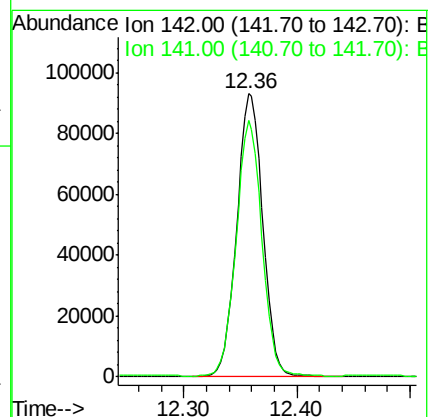
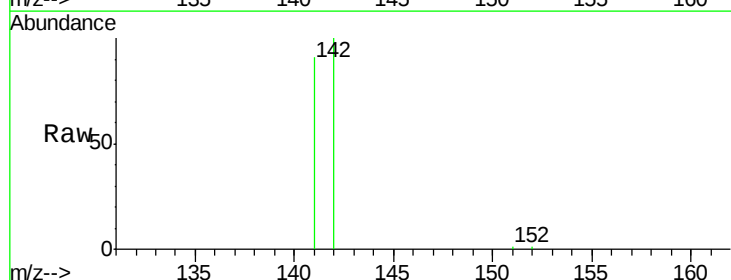
Acq: 14 Aug 2017 20:42

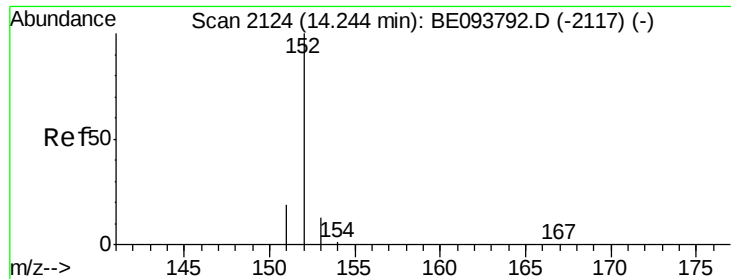
Tgt Ion:142 Resp: 148551

Ion Ratio Lower Upper

142 100

141 89.8 72.6 108.8





#7

Acenaphthylene

Concen: 0.347 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE093796.D

Acq: 14 Aug 2017 20:42

Instrument :

BNA_E

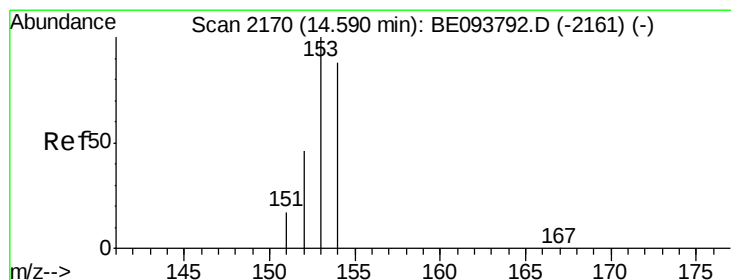
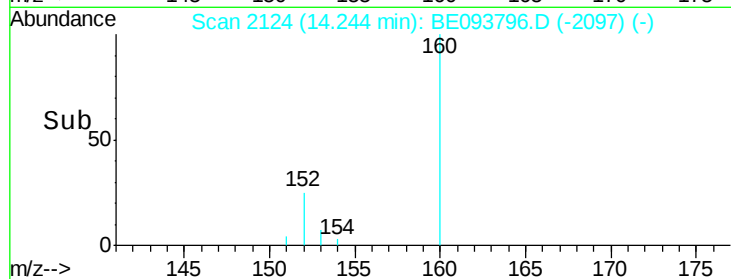
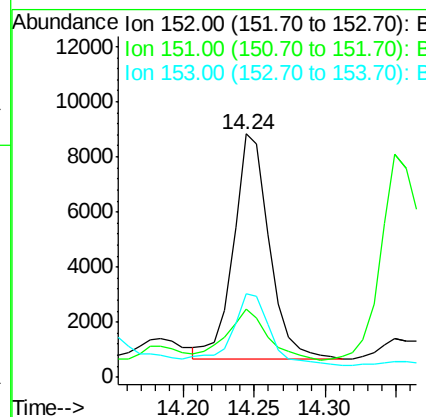
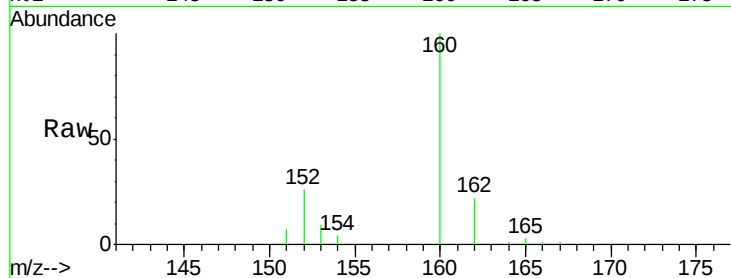
ClientSampleId :

C0AC1

Tgt Ion:	152	Resp:	14412
Ion Ratio	Lower	Upper	
152	100		
151	28.1	17.1	25.7#
153	34.4	12.8	19.2#

Manual Integrations
APPROVED

Sohil
8/21/2017 1:43:30 PM



#8

Acenaphthene

Concen: 0.473 ng/ul

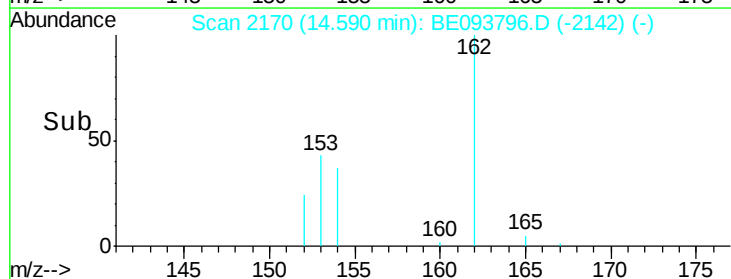
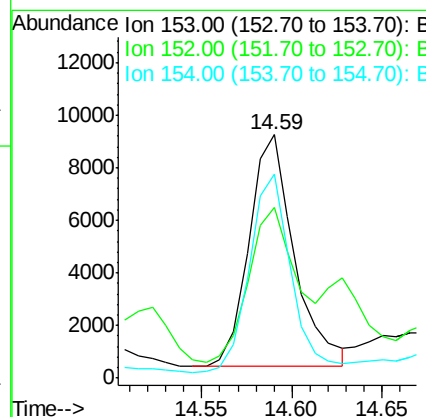
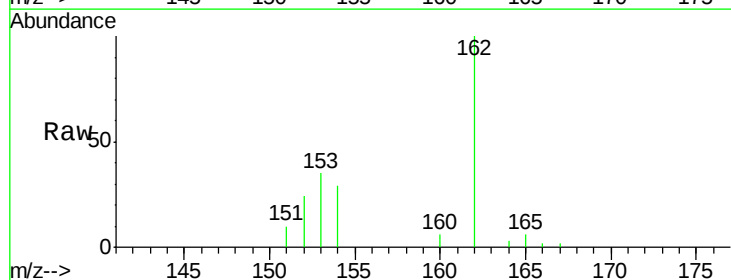
RT: 14.59 min Scan# 2170

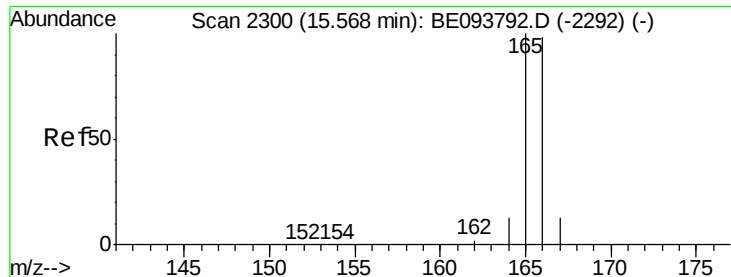
Delta R.T. 0.01 min

Lab File: BE093796.D

Acq: 14 Aug 2017 20:42

Tgt Ion:	153	Resp:	15454
Ion Ratio	Lower	Upper	
153	100		
152	69.8	40.3	60.5#
154	83.8	71.4	107.2





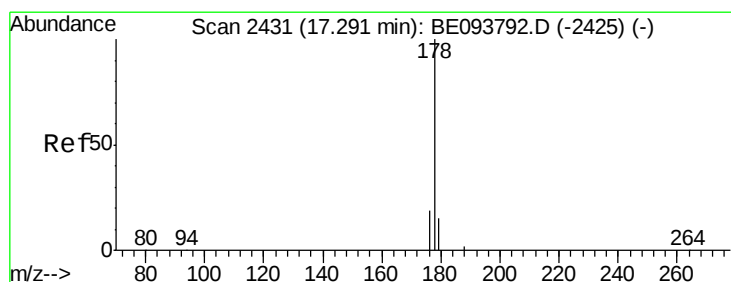
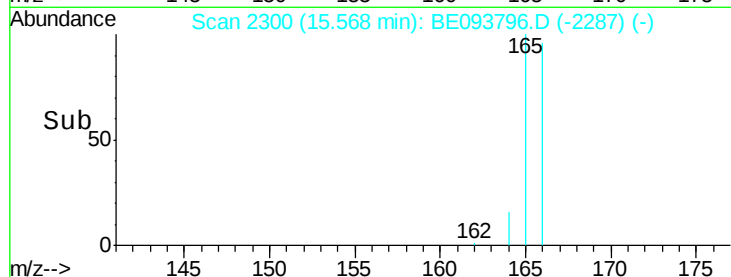
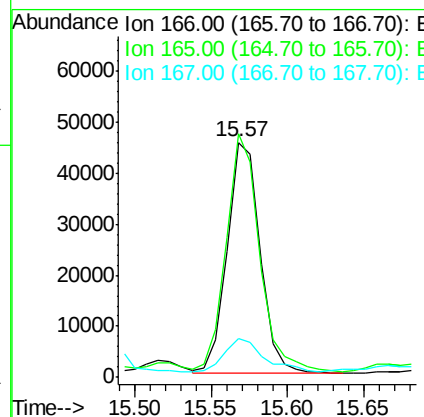
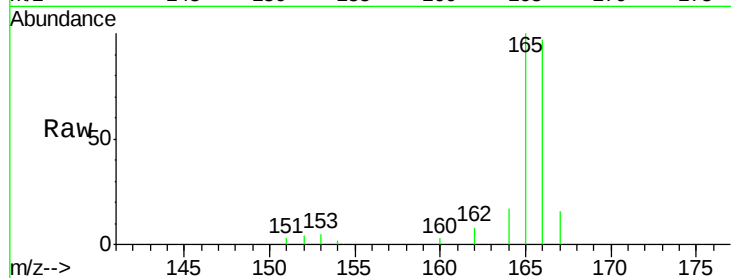
#9
Fluorene
 Concen: 1.645 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: BE093796.D
 Acq: 14 Aug 2017 20:42

Instrument :
 BNA_E
 ClientSampleId :
 C0AC1

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.5	73.4	110.2
167	16.3	14.6	22.0

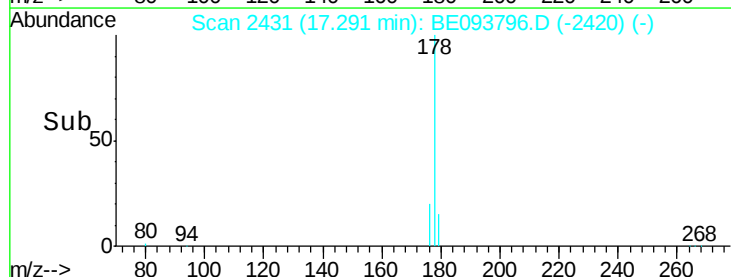
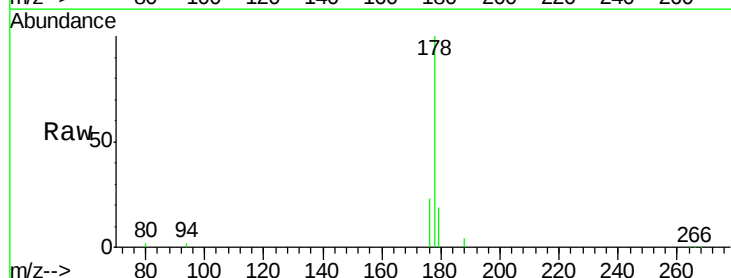
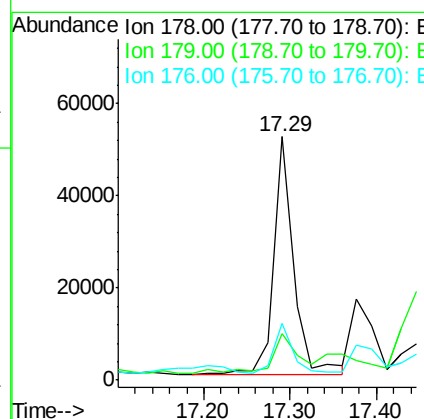
Manual Integrations
 APPROVED

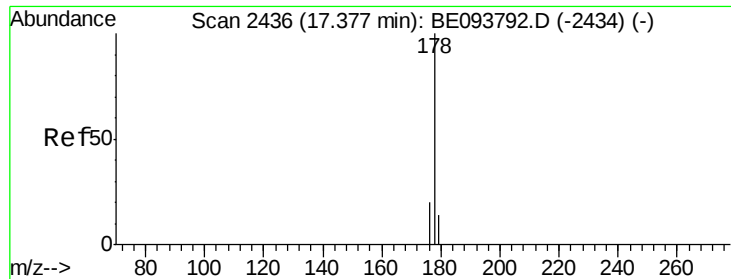
Sohil
 8/21/2017 1:43:30 PM



#12
Phenanthrene
 Concen: 1.445 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.00 min
 Lab File: BE093796.D
 Acq: 14 Aug 2017 20:42

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.2	18.4	27.6
176	23.1	13.6	20.4





#13

Anthracene

Concen: 0.458 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE093796.D

Acq: 14 Aug 2017 20:42

Instrument :

BNA_E

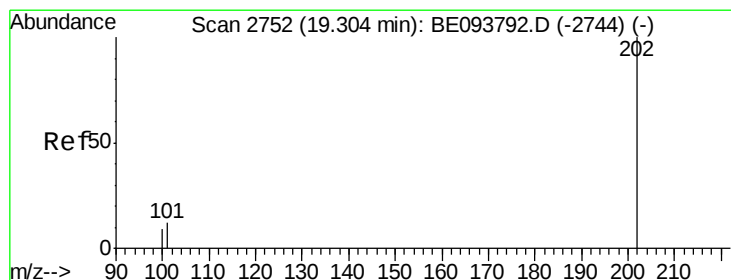
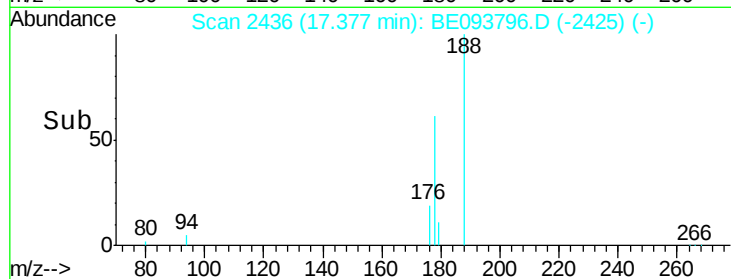
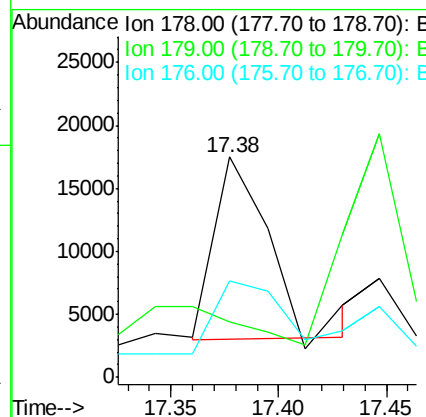
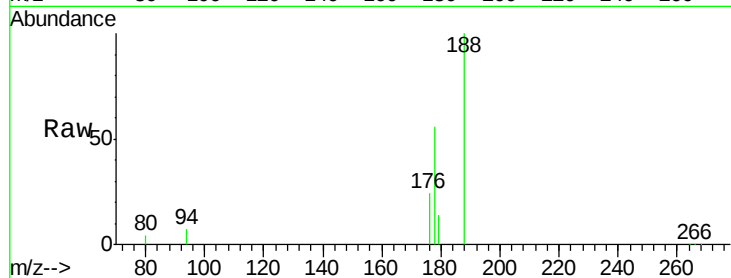
ClientSampled :

C0AC1

Tgt Ion	Ratio	Lower	Upper
178	100		
179	25.0	18.1	27.1
176	43.8	14.7	22.1

Manual Integrations
APPROVED

Sohil
8/21/2017 1:43:30 PM



#15

Fluoranthene

Concen: 0.637 ng/ul

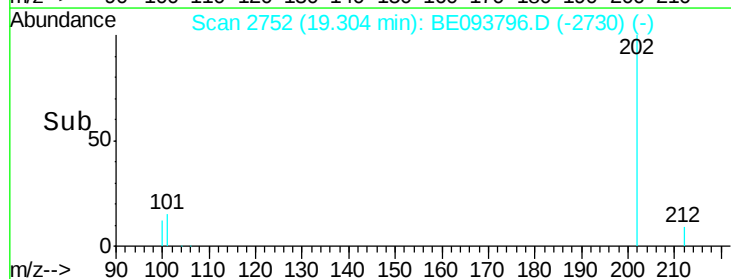
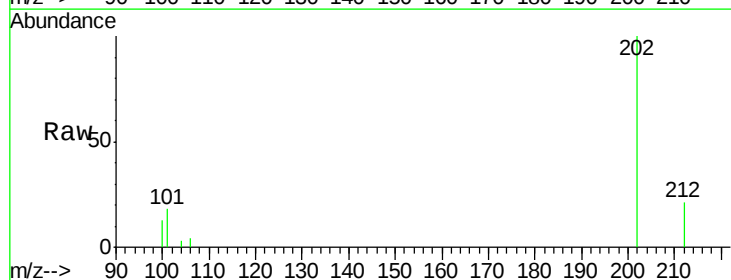
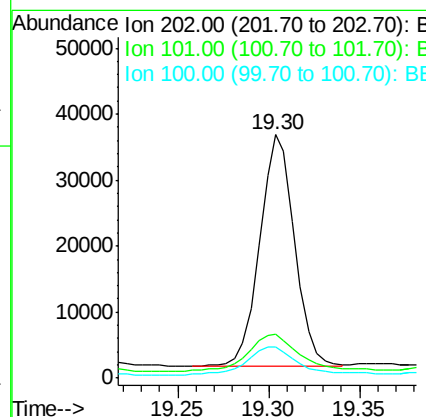
RT: 19.30 min Scan# 2752

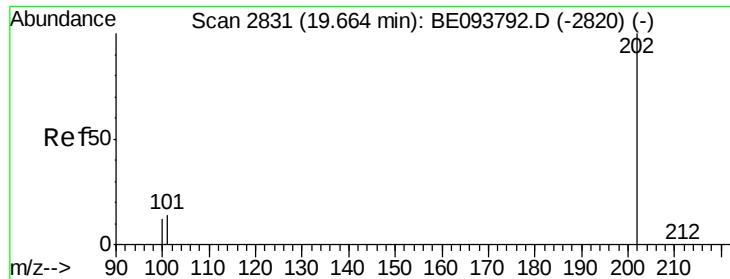
Delta R.T. 0.00 min

Lab File: BE093796.D

Acq: 14 Aug 2017 20:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.0	0.0	30.3
100	12.9	0.0	39.5





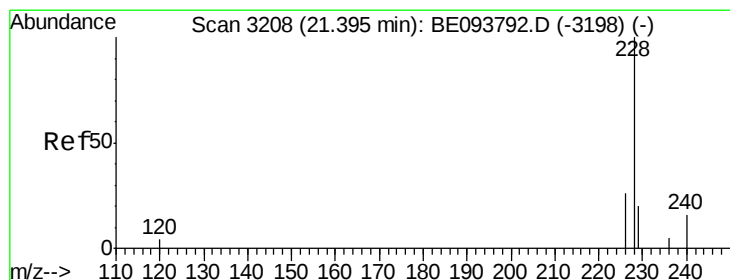
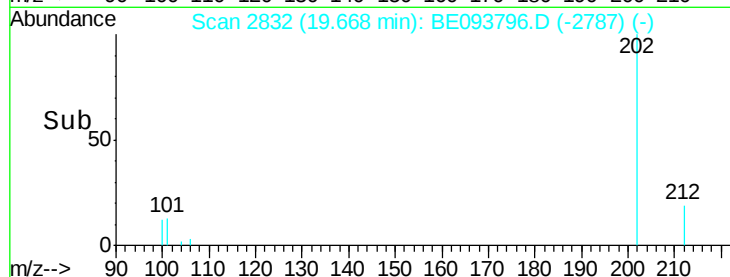
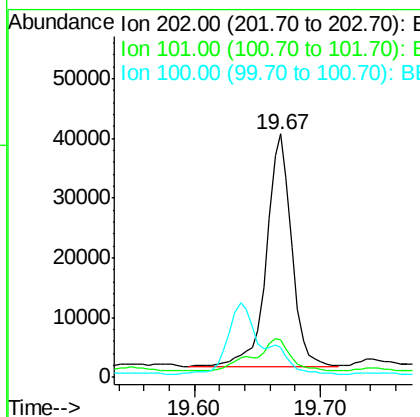
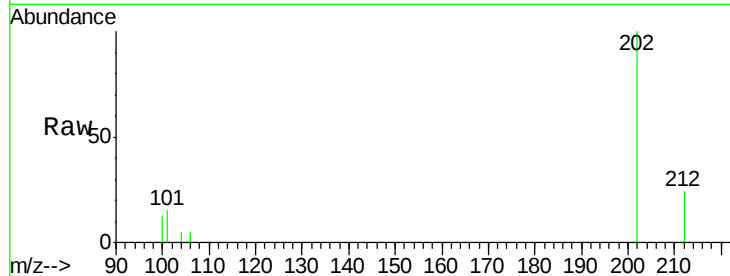
#17
Pyrene
 Concen: 0.879 ng/u1
 RT: 19.67 min Scan# 2832
 Delta R.T. 0.01 min
 Lab File: BE093796.D
 Acq: 14 Aug 2017 20:42

Instrument :
 BNA_E
 ClientSampled :
 C0AC1

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	54237		
101	15.4	18.2	27.4#	
100	12.5	15.6	23.4#	

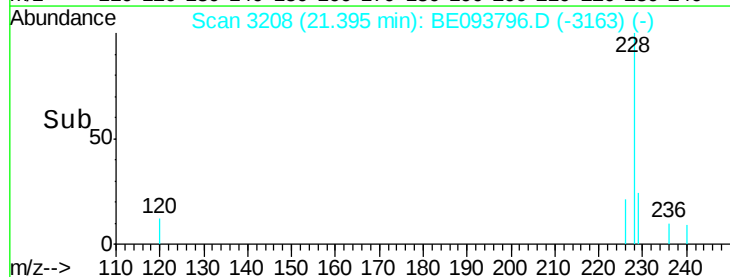
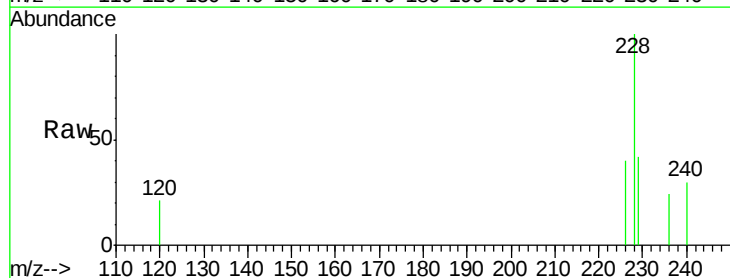
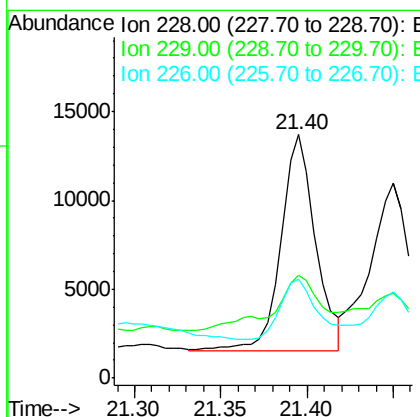
Manual Integrations
 APPROVED

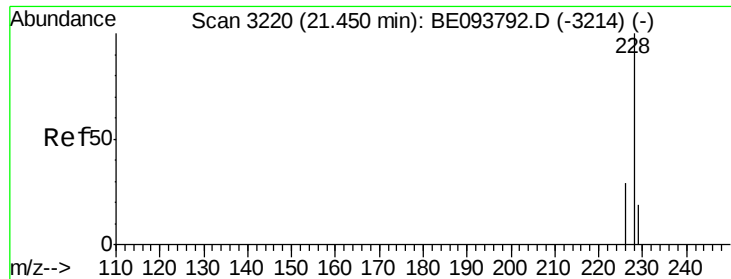
Sohil
 8/21/2017 1:43:30 PM



#18
Benzo(a)anthracene
 Concen: 0.280 ng/u1
 RT: 21.40 min Scan# 3208
 Delta R.T. 0.01 min
 Lab File: BE093796.D
 Acq: 14 Aug 2017 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	17173		
229	42.3	22.8	34.2#	
226	40.5	17.0	25.6#	





#19

Chrysene

Concen: 0.273 ng/ul

RT: 21.45 min Scan# 3220

Delta R.T. 0.01 min

Lab File: BE093796.D

Acq: 14 Aug 2017 20:42

Instrument :

BNA_E

ClientSampleId :

C0AC1

Tgt Ion:228 Resp: 16058

Ion Ratio Lower Upper

228 100

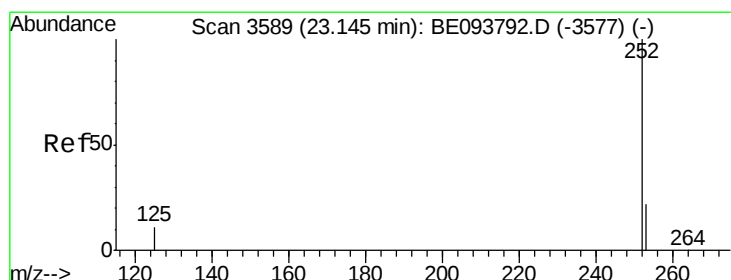
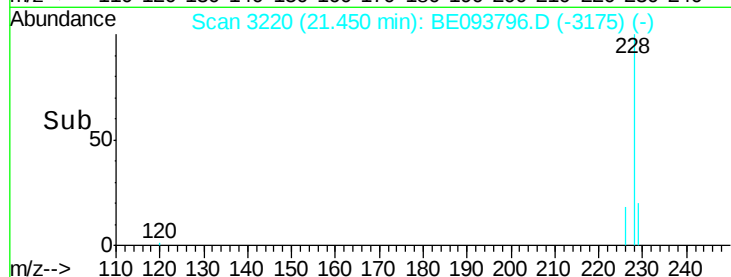
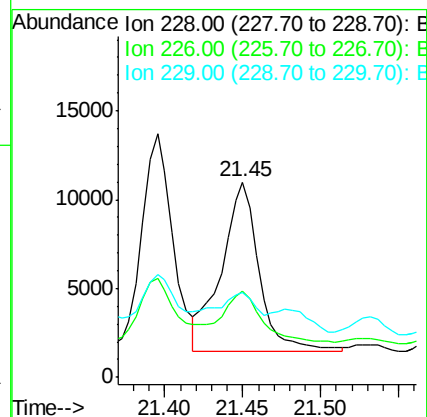
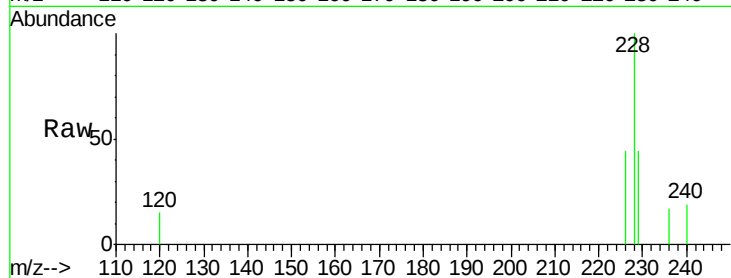
226 44.0 23.4 35.0#

229 43.6 17.7 26.5#

Manual Integrations
APPROVED

Sohil

8/21/2017 1:43:30 PM



#21

Benzo(b)fluoranthene

Concen: 0.215 ng/ul m

RT: 23.15 min Scan# 3590

Delta R.T. 0.01 min

Lab File: BE093796.D

Acq: 14 Aug 2017 20:42

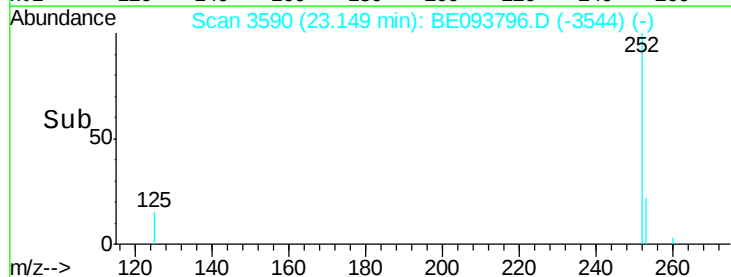
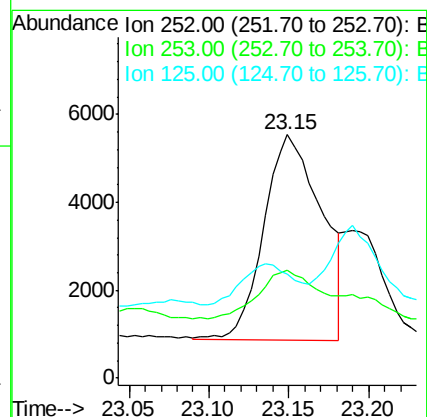
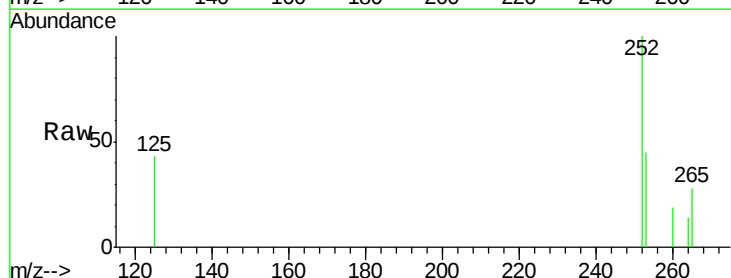
Tgt Ion:252 Resp: 11784

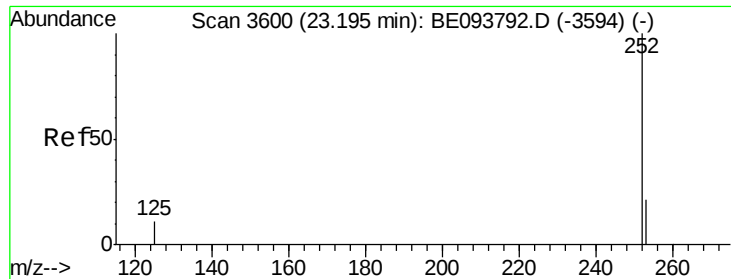
Ion Ratio Lower Upper

252 100

253 44.5 0.0 64.2

125 42.9 0.0 35.0#





#22

Benzo(k)fluoranthene

Concen: 0.085 ng/ul m

RT: 23.19 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BE093796.D

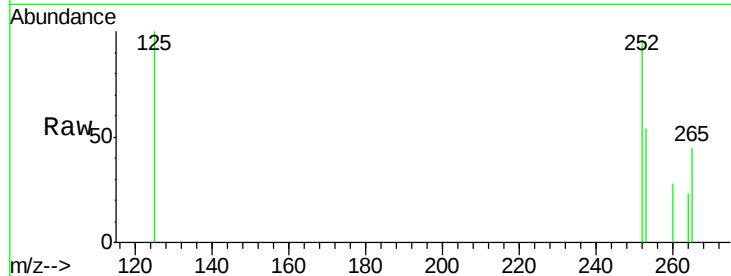
Acq: 14 Aug 2017 20:42

Instrument :

BNA_E

ClientSampled :

C0AC1



Tgt Ion: 252 Resp: 4593

Ion Ratio Lower Upper

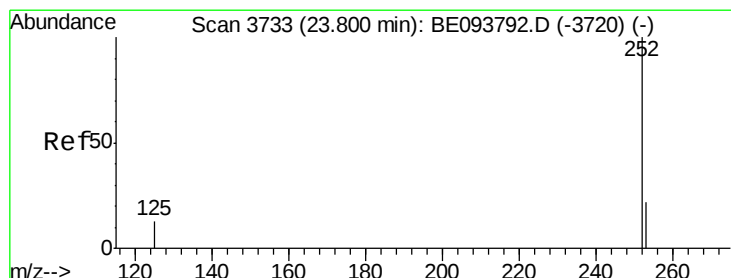
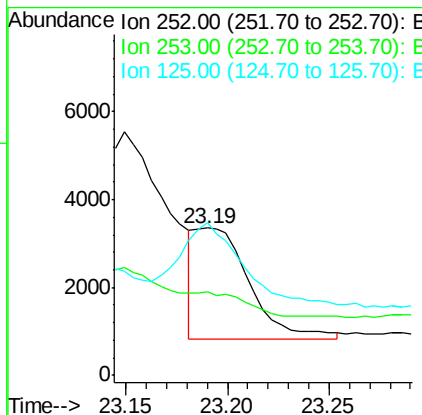
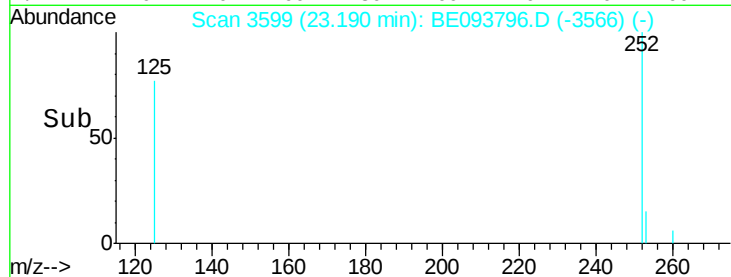
252 100

253 56.7 24.5 36.7#

125 104.1 13.7 20.5#

Manual Integrations
APPROVED

Sohil
8/21/2017 1:43:30 PM



#23

Benzo(a)pyrene

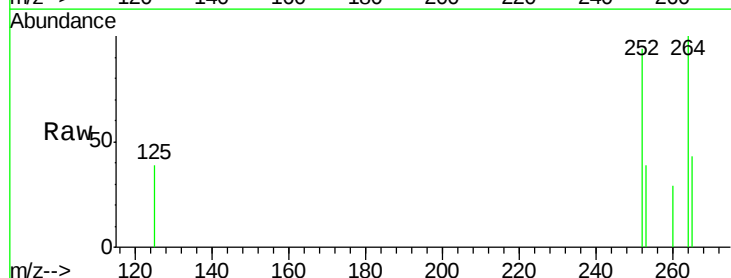
Concen: 0.196 ng/ul m

RT: 23.81 min Scan# 3735

Delta R.T. 0.01 min

Lab File: BE093796.D

Acq: 14 Aug 2017 20:42



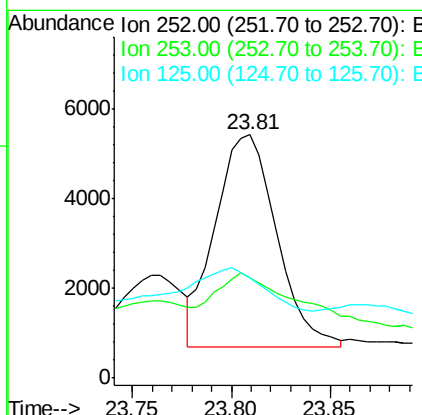
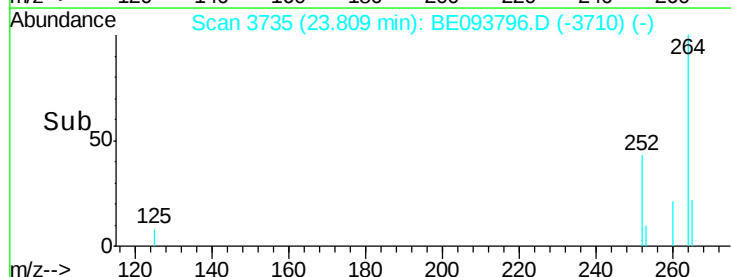
Tgt Ion: 252 Resp: 10220

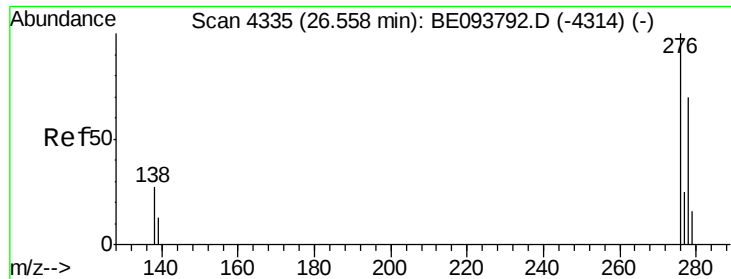
Ion Ratio Lower Upper

252 100

253 41.4 28.5 42.7

125 41.2 18.1 27.1#





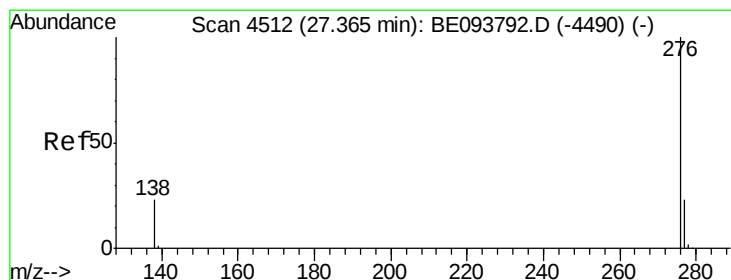
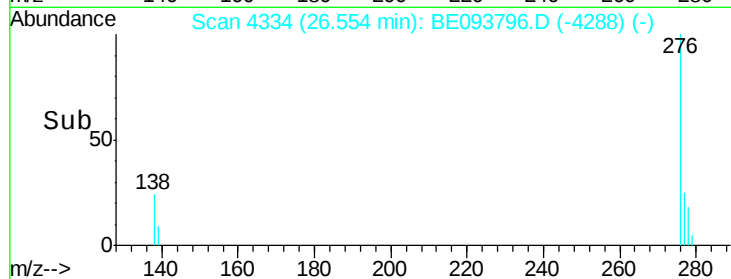
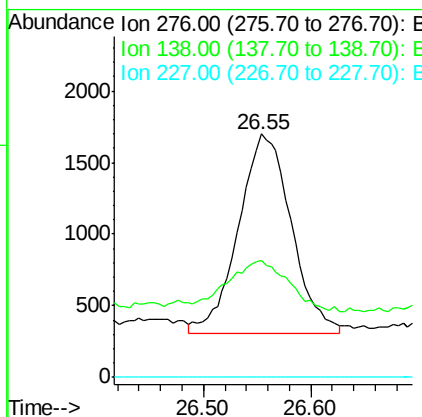
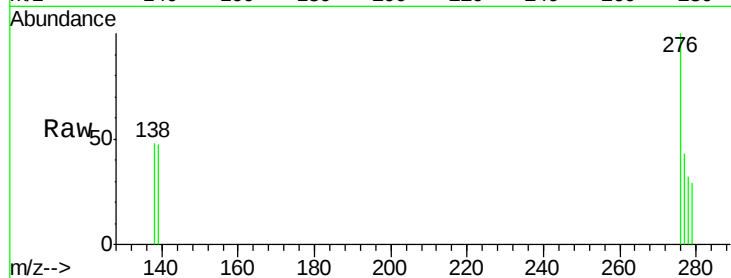
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.084 ng/ul m
 RT: 26.55 min Scan# 4334
 Delta R.T. 0.01 min
 Lab File: BE093796.D
 Acq: 14 Aug 2017 20:42

Instrument :
 BNA_E
 ClientSampled :
 C0AC1

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

Manual Integrations
 APPROVED

Sohil
 8/21/2017 1:43:30 PM



#26
 Benzo(g,h,i)perylene
 Concen: 0.085 ng/ul m
 RT: 27.38 min Scan# 4515
 Delta R.T. 0.01 min
 Lab File: BE093796.D
 Acq: 14 Aug 2017 20:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	53.8	21.8	32.8#
277	44.8	20.5	30.7#

