

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081417\
 Data File : BE093798.D
 Acq On : 14 Aug 2017 21:56
 Operator : SJ/JU
 Sample : I4529-22
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC3

Manual Integrations
 APPROVED

Sohil
 8/15/2017 6:43:39 PM

Quant Time: Aug 15 11:38:40 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	3305	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	15545	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	11265m	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	20508m	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	19088m	0.40	ng/ul	0.01
20) Perylene-d12	23.94	264	17081m	0.40	ng/ul	0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	8388m	0.33	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	23302m	0.36	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.75	128	143266	3.789	ng/ul#	94
5) 2-Methylnaphthalene	12.36	142	284411	10.311	ng/ul	100
7) Acenaphthylene	14.25	152	20588	0.437	ng/ul#	42
8) Acenaphthene	14.59	153	41492	1.119	ng/ul	95
9) Fluorene	15.57	166	229153	4.890	ng/ul	92
12) Phenanthrene	17.29	178	356118	6.376	ng/ul#	89
13) Anthracene	17.40	178	123622m	2.272	ng/ul	
15) Fluoranthene	19.31	202	128884m	1.845	ng/ul	
17) Pyrene	19.67	202	200371	3.596	ng/ul#	86
18) Benzo(a)anthracene	21.40	228	58281m	1.053	ng/ul	
19) Chrysene	21.46	228	60403m	1.138	ng/ul	
21) Benzo(b)fluoranthene	23.17	252	29813	0.564	ng/ul	68
22) Benzo(k)fluoranthene	23.19	252	10819m	0.208	ng/ul	
23) Benzo(a)pyrene	23.82	252	34411m	0.685	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.59	276	14666m	0.264	ng/ul	
26) Benzo(g,h,i)perylene	27.41	276	12498m	0.267	ng/ul	

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

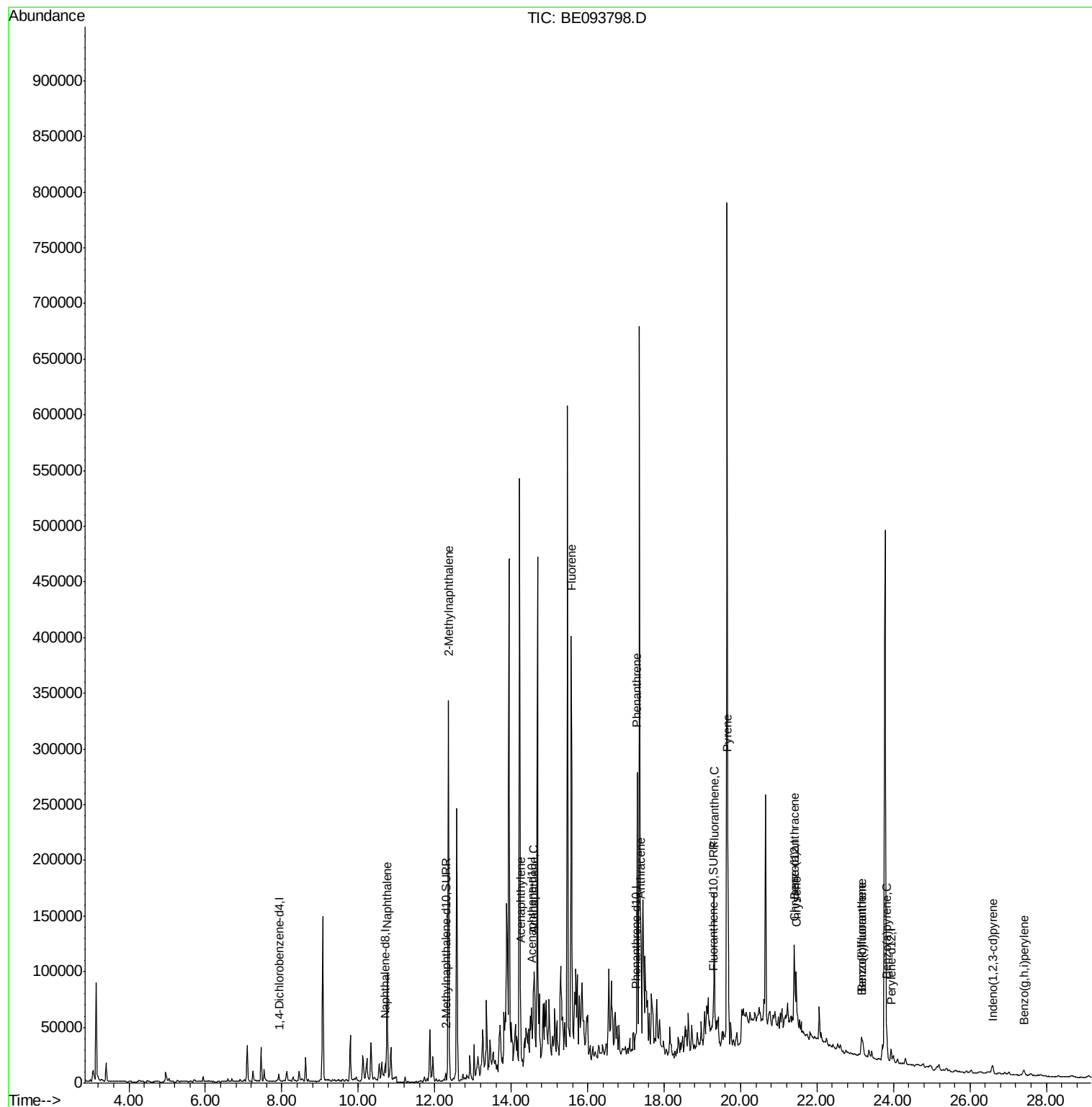
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081417\
Data File : BE093798.D
Acq On : 14 Aug 2017 21:56
Operator : SJ/JU
Sample : I4529-22
Misc :
ALS Vial : 16 Sample Multiplier: 1

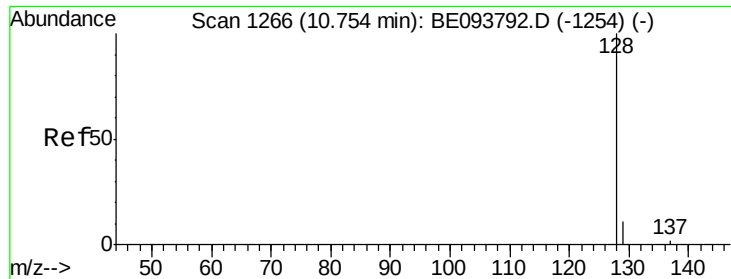
Instrument :
BNA_E
ClientSampleId :
C0AC3

Manual Integrations
APPROVED

Sohil
8/15/2017 6:43:39 PM

Quant Time: Aug 15 11:38:40 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: 3.789 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE093798.D

Acq: 14 Aug 2017 21:56

Instrument :

BNA_E

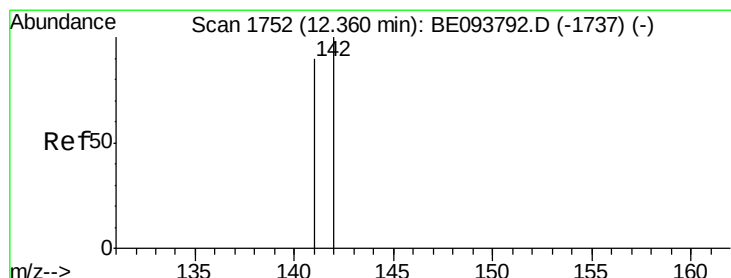
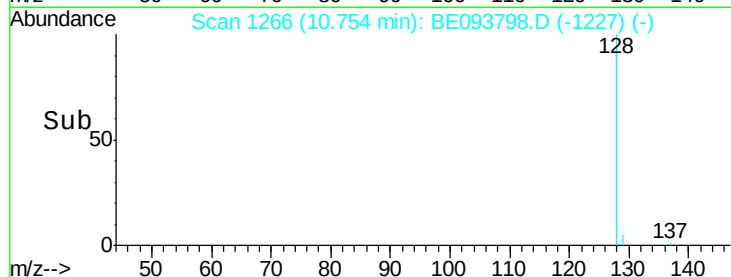
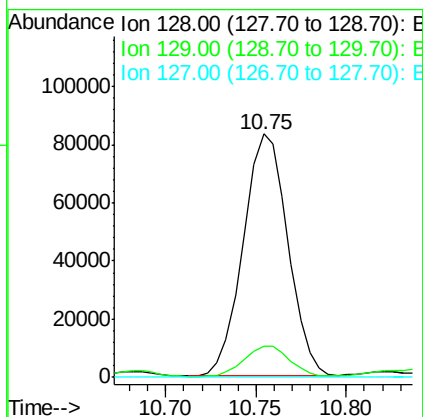
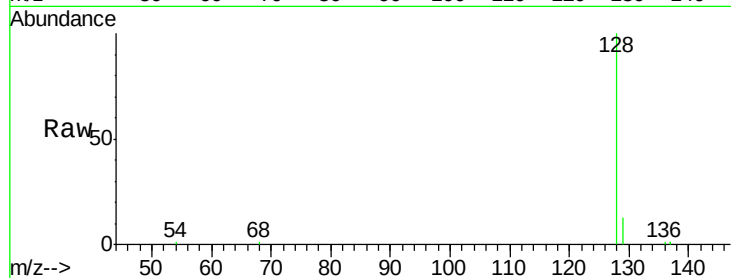
ClientSampled :

C0AC3

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.0	11.3	16.9
127	0.0	4.0	6.0

Manual Integrations
APPROVED

Sohil
8/15/2017 6:43:39 PM



#5

2-Methylnaphthalene

Concen: 10.311 ng/ul

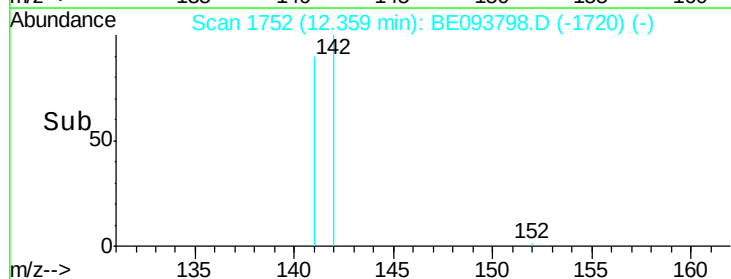
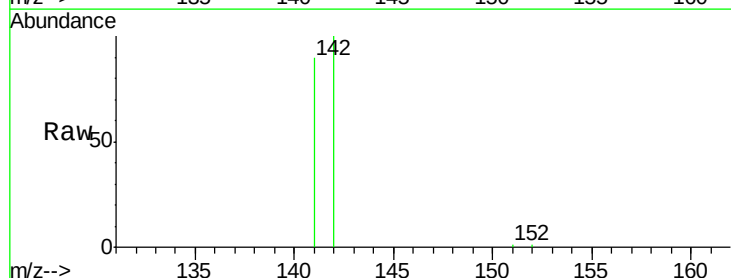
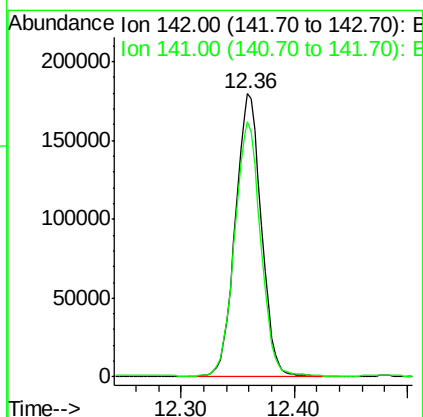
RT: 12.36 min Scan# 1752

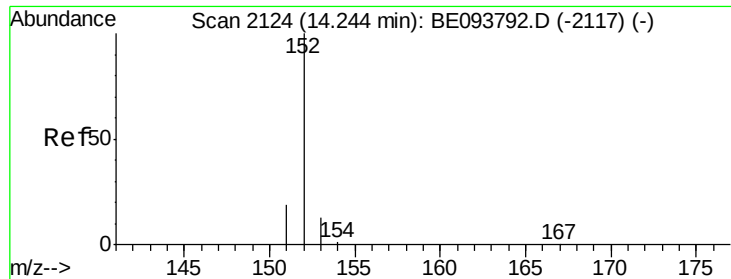
Delta R.T. -0.00 min

Lab File: BE093798.D

Acq: 14 Aug 2017 21:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.6	108.8





#7

Acenaphthylene

Concen: 0.437 ng/ul

RT: 14.25 min Scan# 2125

Delta R.T. 0.01 min

Lab File: BE093798.D

Acq: 14 Aug 2017 21:56

Instrument :

BNA_E

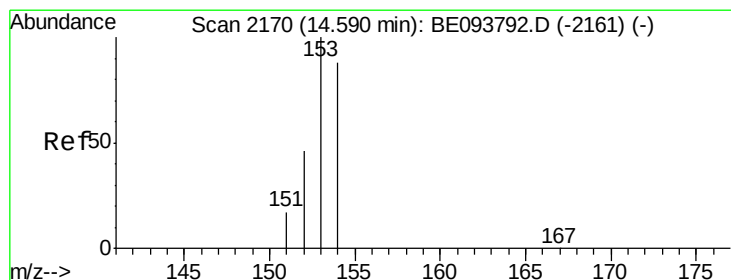
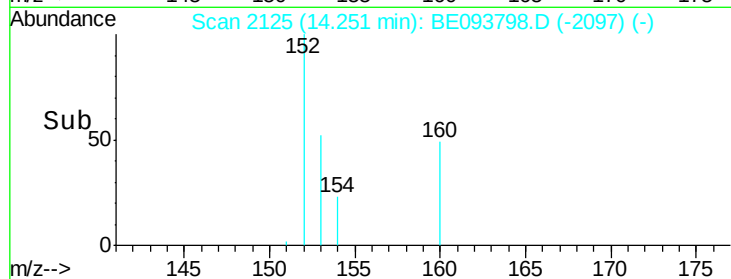
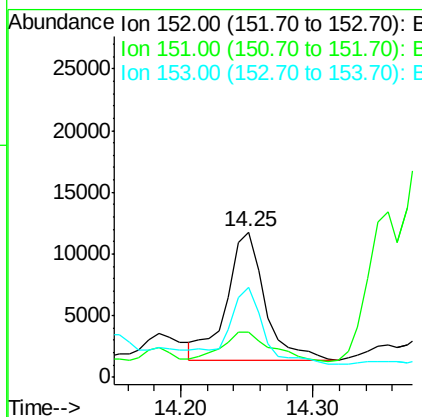
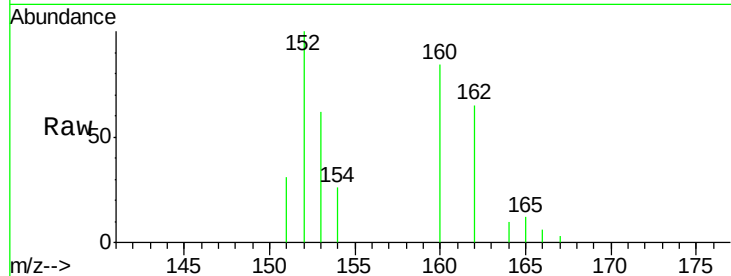
ClientSampled :

C0AC3

Tgt Ion:	152	Resp:	20588
Ion Ratio	Lower	Upper	
152	100		
151	31.2	17.1	25.7#
153	62.2	12.8	19.2#

Manual Integrations
APPROVED

Sohil
8/15/2017 6:43:39 PM



#8

Acenaphthene

Concen: 1.119 ng/ul

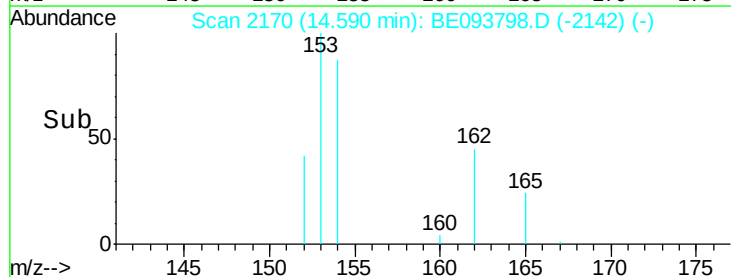
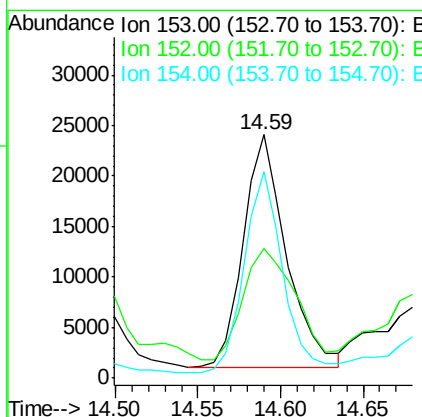
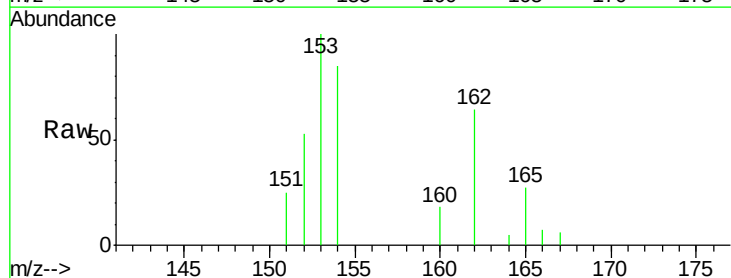
RT: 14.59 min Scan# 2170

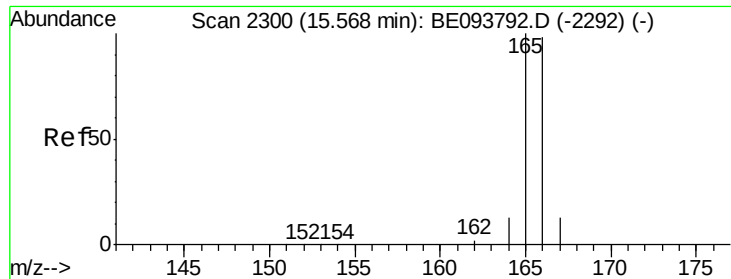
Delta R.T. 0.01 min

Lab File: BE093798.D

Acq: 14 Aug 2017 21:56

Tgt Ion:	153	Resp:	41492
Ion Ratio	Lower	Upper	
153	100		
152	53.4	40.3	60.5
154	84.9	71.4	107.2





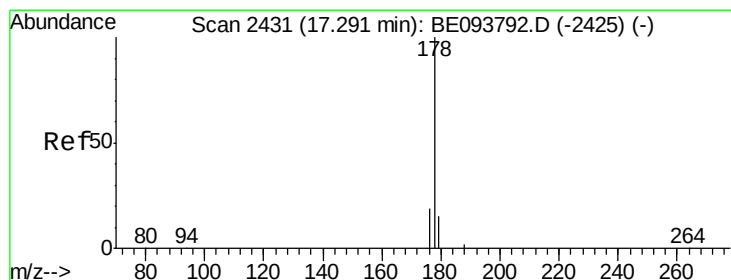
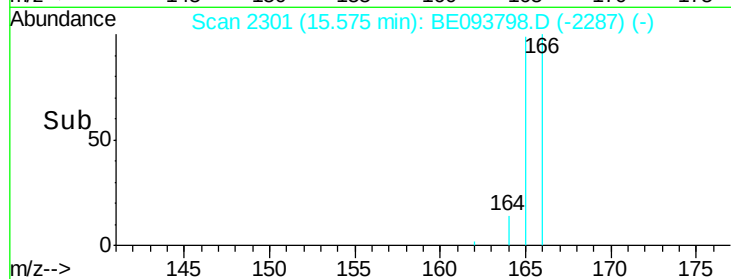
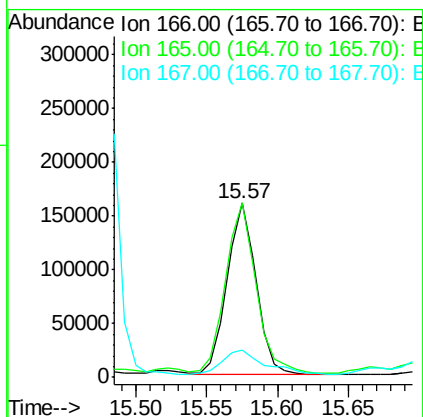
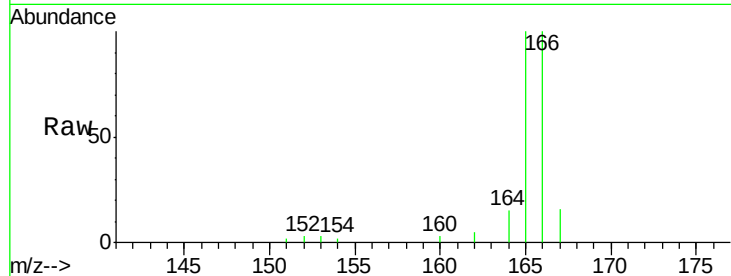
#9
Fluorene
 Concen: 4.890 ng/ul
 RT: 15.57 min Scan# 2301
 Delta R.T. 0.01 min
 Lab File: BE093798.D
 Acq: 14 Aug 2017 21:56

Instrument :
 BNA_E
 ClientSampleId :
 C0AC3

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	229153		
165	100.0	73.4	110.2	
167	15.8	14.6	22.0	

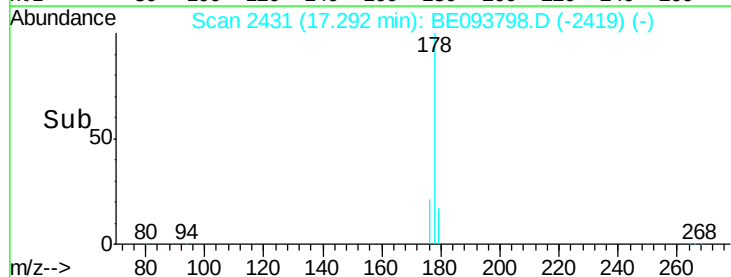
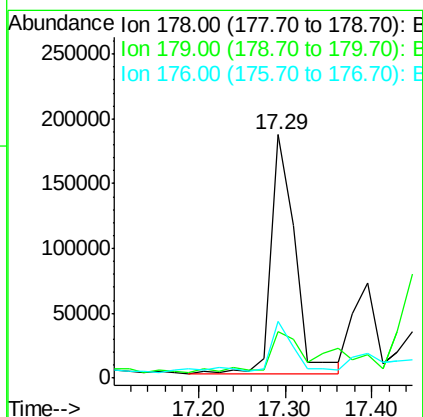
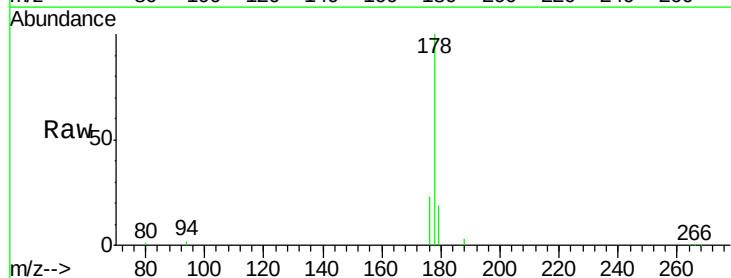
Manual Integrations
 APPROVED

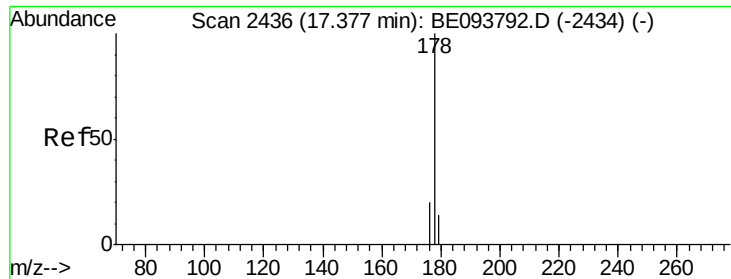
Sohil
 8/15/2017 6:43:39 PM



#12
Phenanthrene
 Concen: 6.376 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.00 min
 Lab File: BE093798.D
 Acq: 14 Aug 2017 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	356118		
179	18.9	18.4	27.6	
176	23.1	13.6	20.4	





#13

Anthracene

Concen: 2.272 ng/ul m

RT: 17.40 min Scan# 2437

Delta R.T. 0.02 min

Lab File: BE093798.D

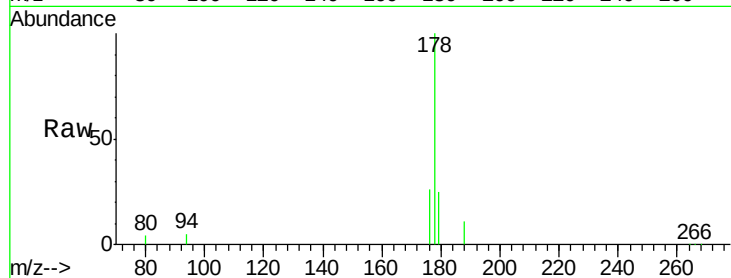
Acq: 14 Aug 2017 21:56

Instrument :

BNA_E

ClientSampled :

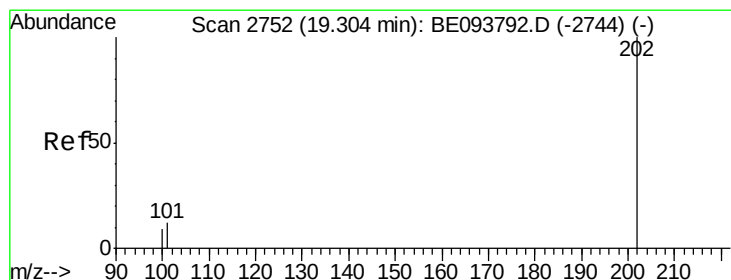
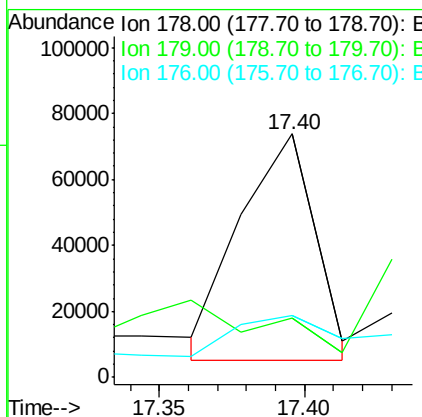
C0AC3



Tgt Ion:	178	Resp:	123622
Ion Ratio	Lower	Upper	
178	100		
179	24.6	18.1	27.1
176	25.6	14.7	22.1#

Manual Integrations
APPROVED

Sohil
8/15/2017 6:43:39 PM



#15

Fluoranthene

Concen: 1.845 ng/ul m

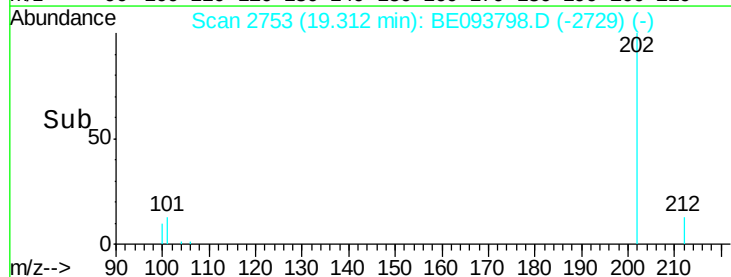
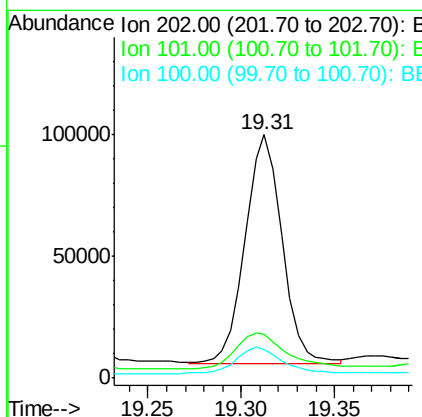
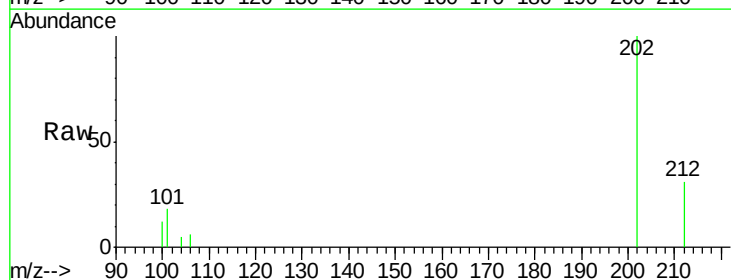
RT: 19.31 min Scan# 2753

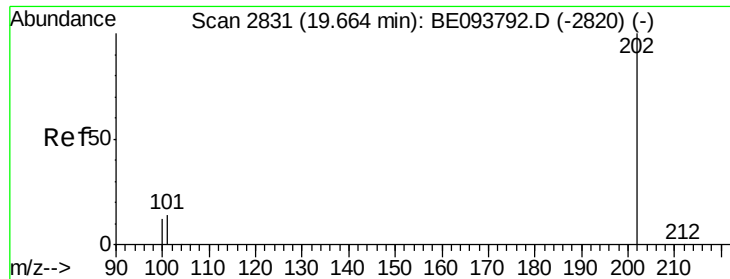
Delta R.T. 0.01 min

Lab File: BE093798.D

Acq: 14 Aug 2017 21:56

Tgt Ion:	202	Resp:	128884
Ion Ratio	Lower	Upper	
202	100		
101	17.8	0.0	30.3
100	11.9	0.0	39.5





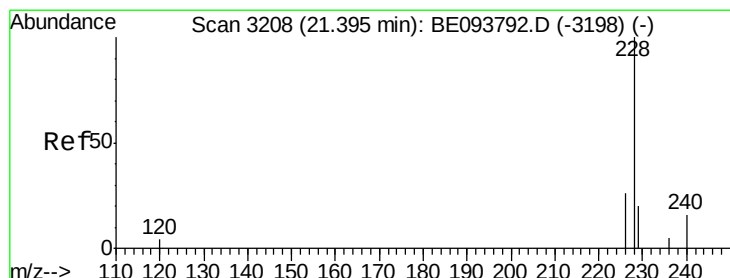
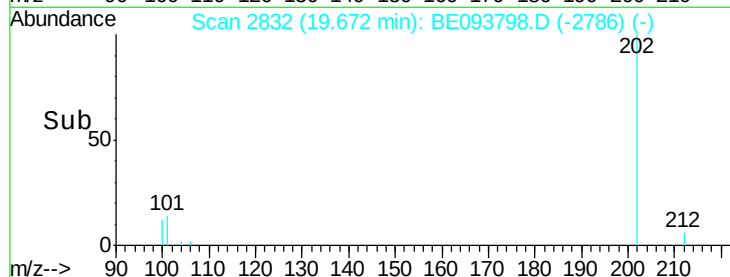
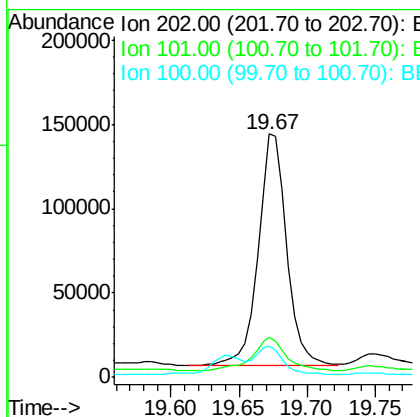
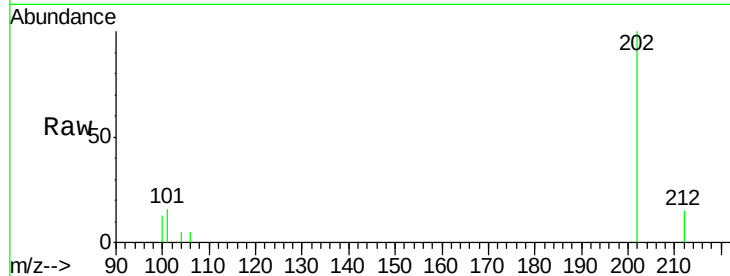
#17
Pyrene
 Concen: 3.596 ng/ul
 RT: 19.67 min Scan# 2832
 Delta R.T. 0.01 min
 Lab File: BE093798.D
 Acq: 14 Aug 2017 21:56

Instrument :
 BNA_E
 ClientSampleId :
 C0AC3

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	200371		
101	16.5	18.2	27.4#	
100	13.0	15.6	23.4#	

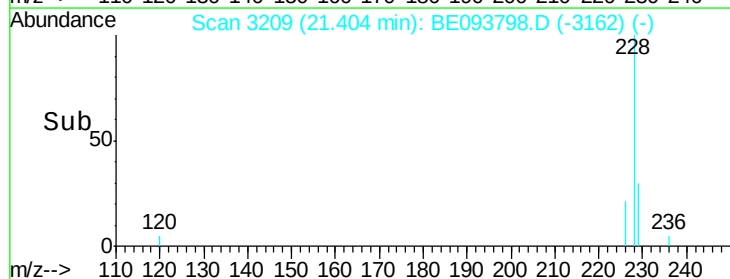
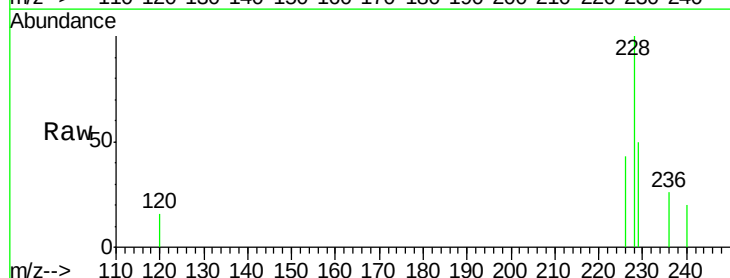
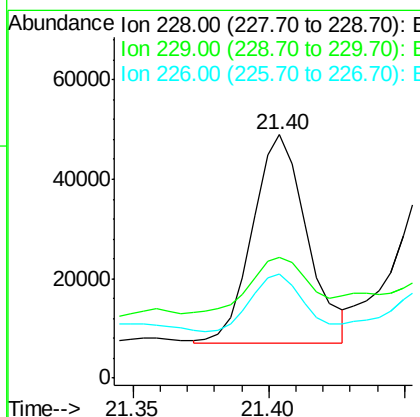
Manual Integrations
 APPROVED

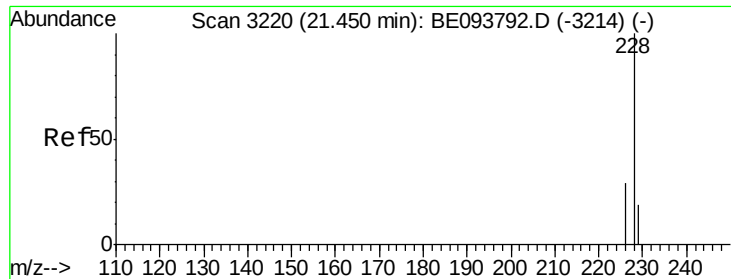
Sohil
 8/15/2017 6:43:39 PM



#18
Benzo(a)anthracene
 Concen: 1.053 ng/ul m
 RT: 21.40 min Scan# 3209
 Delta R.T. 0.01 min
 Lab File: BE093798.D
 Acq: 14 Aug 2017 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	58281		
229	49.6	22.8	34.2#	
226	42.5	17.0	25.6#	





#19

Chrysene

Concen: 1.138 ng/ul m

RT: 21.46 min Scan# 3221

Delta R.T. 0.01 min

Lab File: BE093798.D

Acq: 14 Aug 2017 21:56

Instrument :

BNA_E

ClientSampleId :

C0AC3

Tgt Ion:228 Resp: 60403

Ion Ratio Lower Upper

228 100

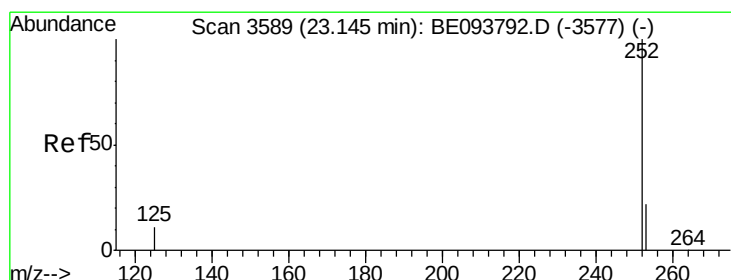
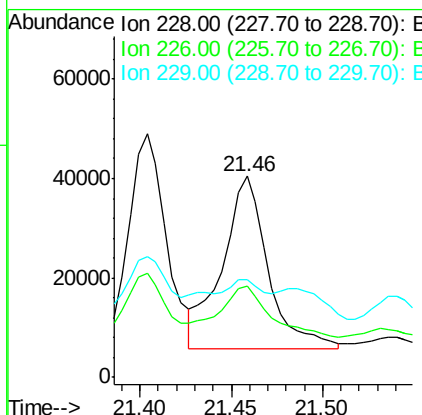
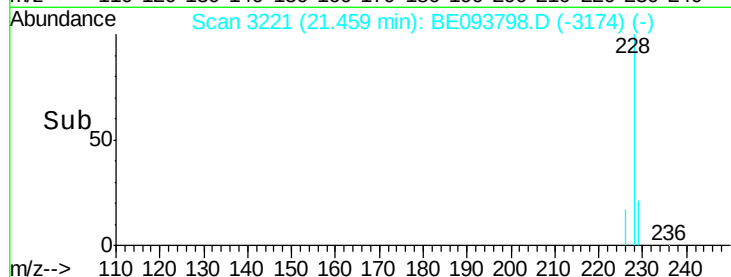
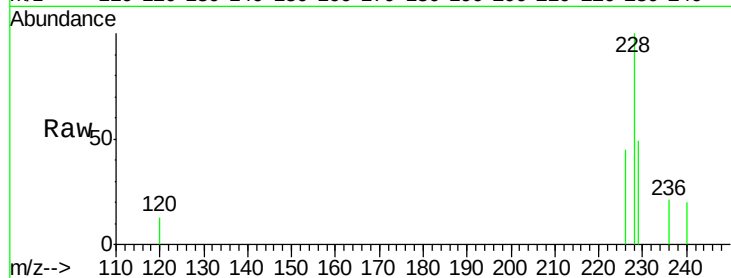
226 45.1 23.4 35.0#

229 48.8 17.7 26.5#

Manual Integrations
APPROVED

Sohil

8/15/2017 6:43:39 PM



#21

Benzo(b)fluoranthene

Concen: 0.564 ng/ul

RT: 23.17 min Scan# 3593

Delta R.T. 0.03 min

Lab File: BE093798.D

Acq: 14 Aug 2017 21:56

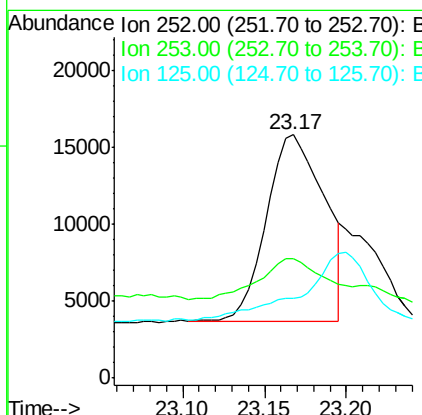
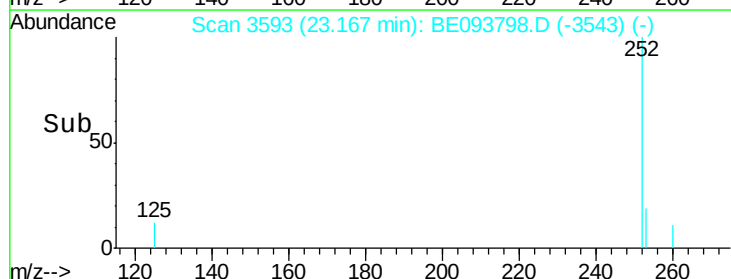
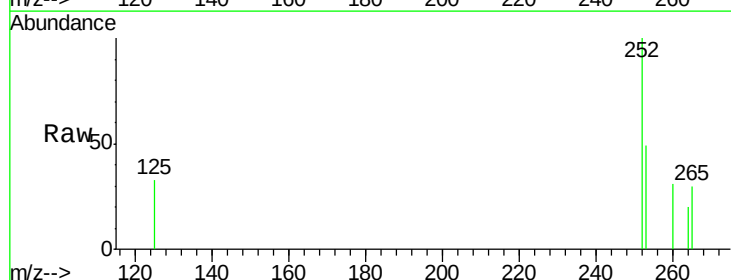
Tgt Ion:252 Resp: 29813

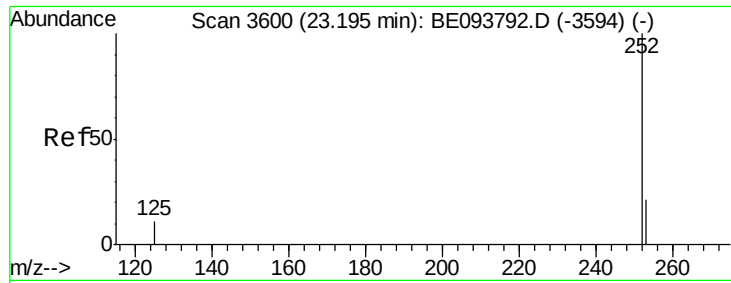
Ion Ratio Lower Upper

252 100

253 48.9 0.0 64.2

125 32.9 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.208 ng/ul m

RT: 23.19 min Scan# 3599

Delta R.T. 0.01 min

Lab File: BE093798.D

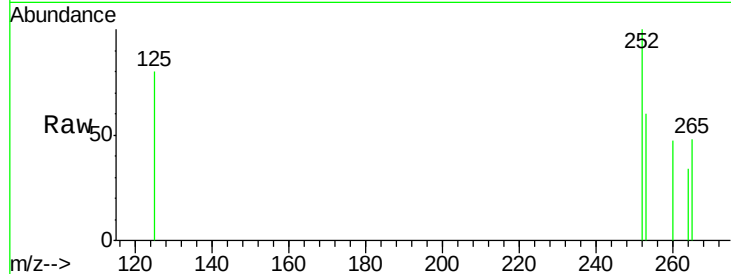
Acq: 14 Aug 2017 21:56

Instrument :

BNA_E

ClientSampled :

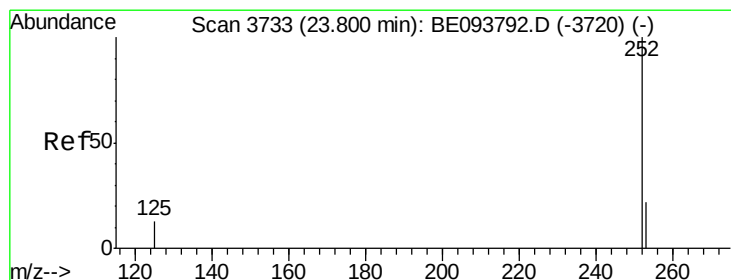
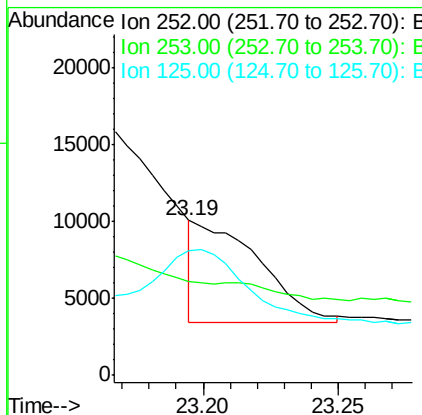
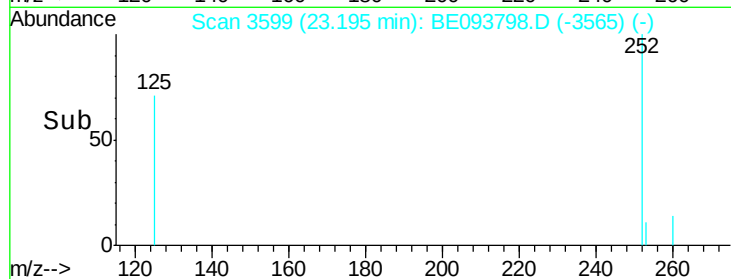
C0AC3



Tgt Ion:	252	Resp:	10819
Ion Ratio	Lower	Upper	
252	100		
253	60.2	24.5	36.7#
125	80.4	13.7	20.5#

Manual Integrations
APPROVED

Sohil
8/15/2017 6:43:39 PM



#23

Benzo(a)pyrene

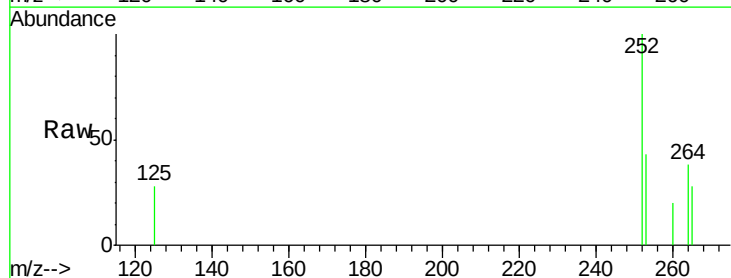
Concen: 0.685 ng/ul m

RT: 23.82 min Scan# 3737

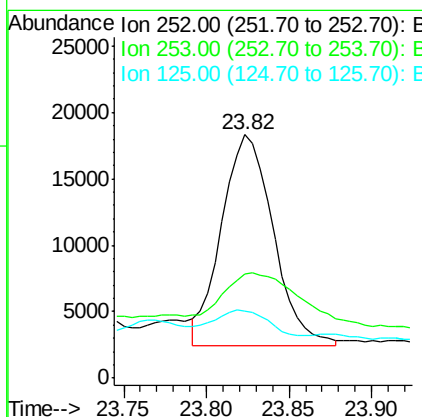
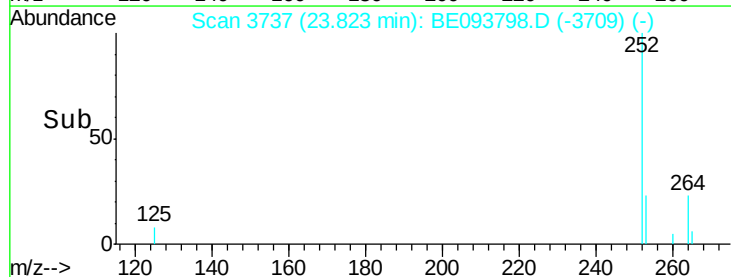
Delta R.T. 0.03 min

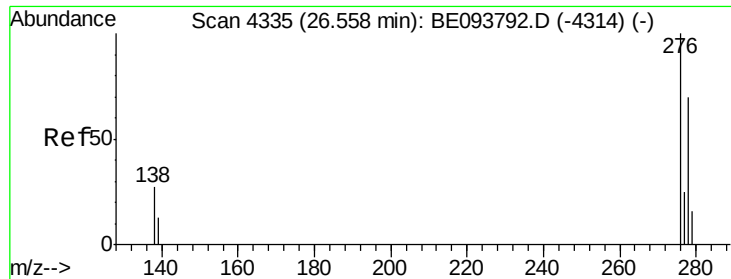
Lab File: BE093798.D

Acq: 14 Aug 2017 21:56



Tgt Ion:	252	Resp:	34411
Ion Ratio	Lower	Upper	
252	100		
253	42.8	28.5	42.7#
125	27.7	18.1	27.1#





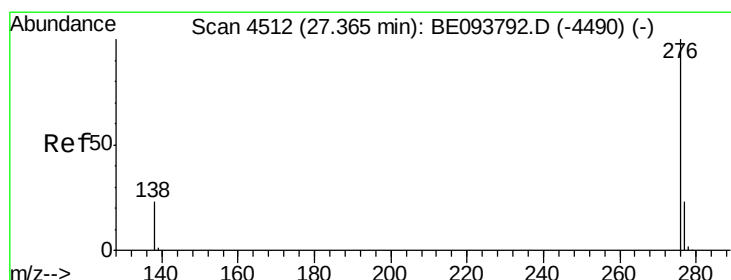
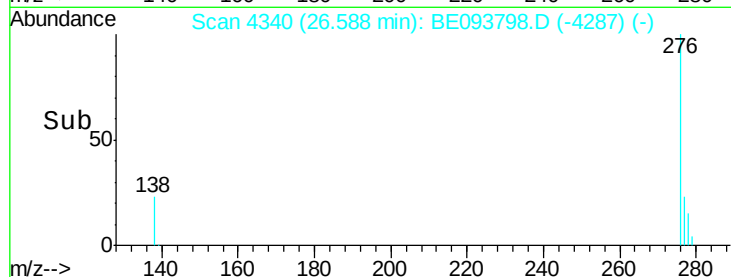
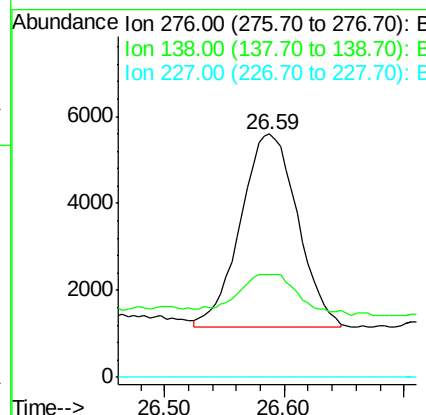
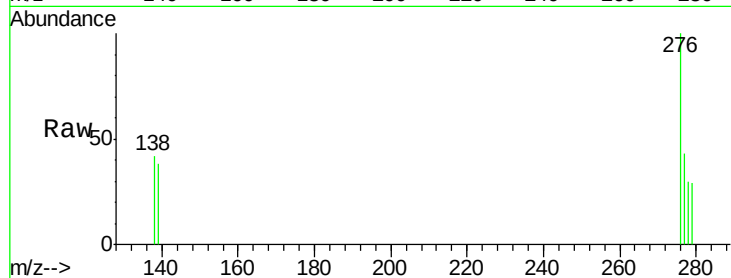
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.264 ng/ul m
 RT: 26.59 min Scan# 4340
 Delta R.T. 0.04 min
 Lab File: BE093798.D
 Acq: 14 Aug 2017 21:56

Instrument :
 BNA_E
 ClientSampleId :
 C0AC3

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	0.2	28.0	42.0#
227	0.0	8.0	12.0#

Manual Integrations
 APPROVED

Sohil
 8/15/2017 6:43:39 PM



#26
 Benzo(g,h,i)perylene
 Concen: 0.267 ng/ul m
 RT: 27.41 min Scan# 4521
 Delta R.T. 0.05 min
 Lab File: BE093798.D
 Acq: 14 Aug 2017 21:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	46.0	21.8	32.8#
277	43.4	20.5	30.7#

