

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081517\
 Data File : BE093821.D
 Acq On : 15 Aug 2017 23:31
 Operator : SJ/JU
 Sample : I4672-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AJ3

Manual Integrations
 APPROVED

Sohil
 8/16/2017 6:42:45 PM

Quant Time: Aug 16 08:09:52 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 16 07:30:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2361	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	12694	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	7566	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	16044	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	16942	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	20983	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	3562	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	8776	0.17	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.75	128	4990	0.162	ng/ul#	94
5) 2-Methylnaphthalene	12.36	142	2629	0.117	ng/ul	98
7) Acenaphthylene	14.24	152	2201	0.070	ng/ul#	93
8) Acenaphthene	14.59	153	2256	0.091	ng/ul	98
9) Fluorene	15.57	166	4211	0.134	ng/ul	95
12) Phenanthrene	17.29	178	64666	1.480	ng/ul#	90
13) Anthracene	17.38	178	16177	0.380	ng/ul#	91
15) Fluoranthene	19.30	202	91869	1.681	ng/ul	83
17) Pyrene	19.66	202	78919	1.596	ng/ul#	81
18) Benzo(a)anthracene	21.39	228	41194	0.839	ng/ul#	86
19) Chrysene	21.45	228	36659	0.778	ng/ul	98
21) Benzo(b)fluoranthene	23.14	252	49867m	0.768	ng/ul	
22) Benzo(k)fluoranthene	23.19	252	18739m	0.293	ng/ul	
23) Benzo(a)pyrene	23.80	252	33939	0.550	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.55	276	18557	0.272	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.55	278	4366	0.077	ng/ul#	90
26) Benzo(g,h,i)perylene	27.37	276	14671	0.255	ng/ul	98

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

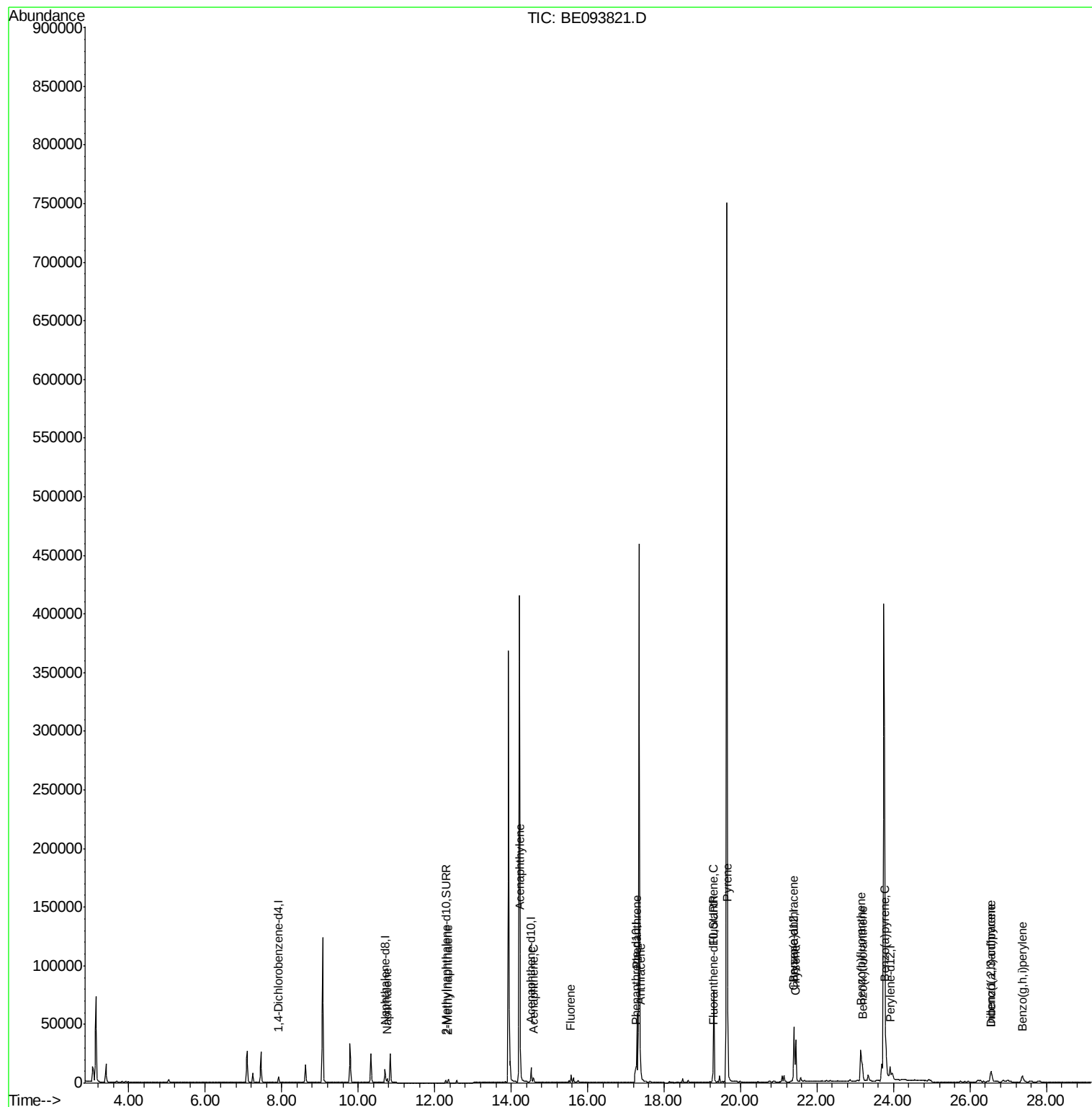
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081517\
Data File : BE093821.D
Acq On : 15 Aug 2017 23:31
Operator : SJ/JU
Sample : I4672-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

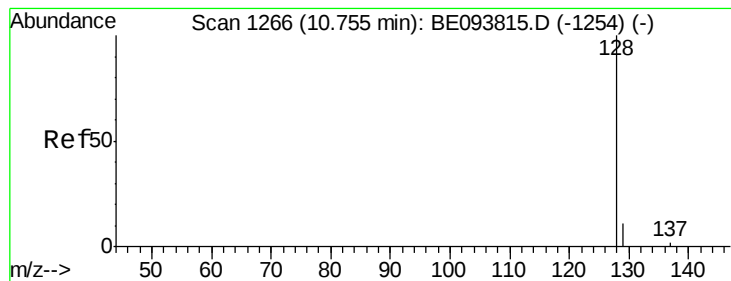
Instrument :
BNA_E
ClientSampleId :
C0AJ3

Quant Time: Aug 16 08:09:52 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 16 07:30:49 2017
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
8/16/2017 6:42:45 PM





#3

Naphthalene

Concen: 0.162 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

Instrument :

BNA_E

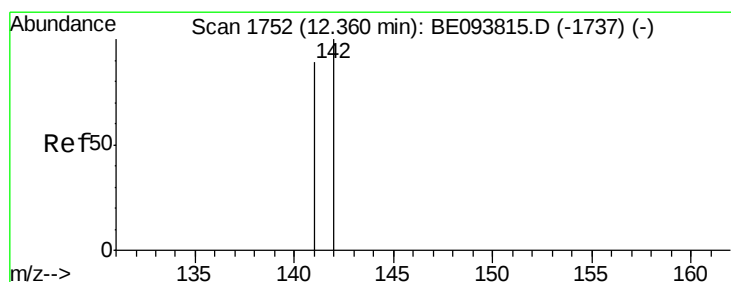
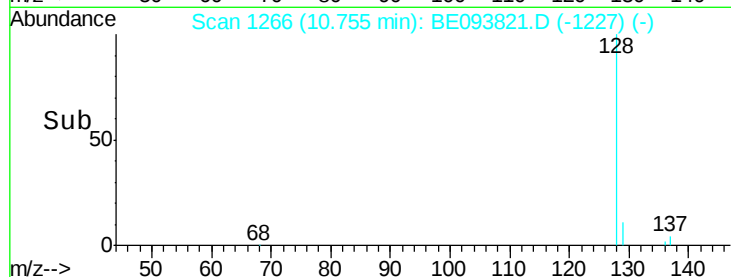
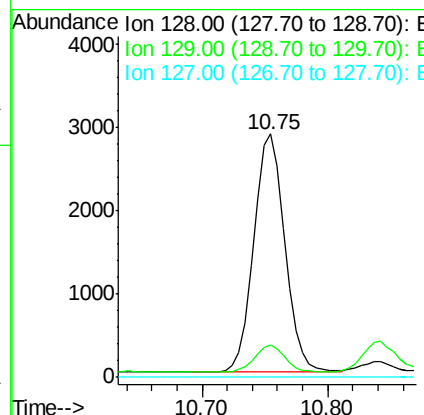
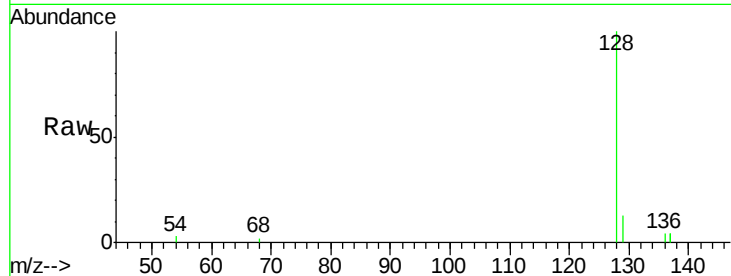
ClientSampled :

C0AJ3

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.2	11.3	16.9
127	0.0	4.0	6.0

Manual Integrations
APPROVED

Sohil
8/16/2017 6:42:45 PM



#5

2-Methylnaphthalene

Concen: 0.117 ng/ul

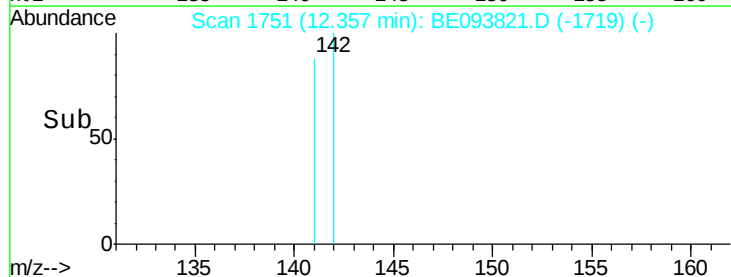
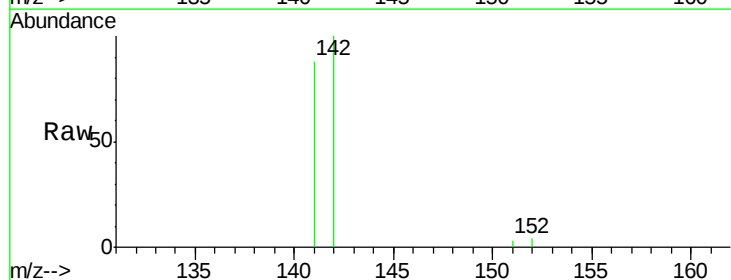
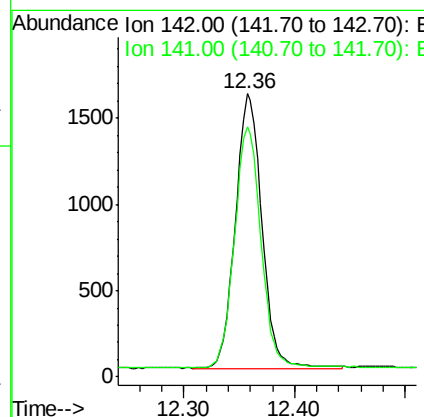
RT: 12.36 min Scan# 1751

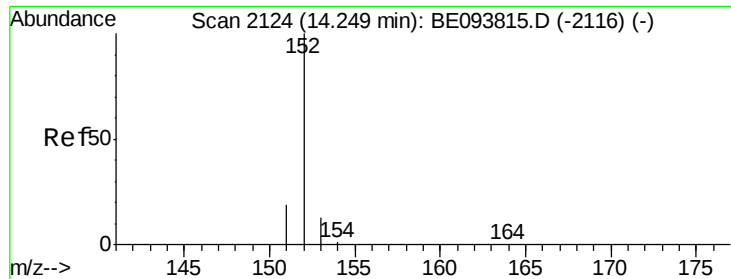
Delta R.T. -0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.6	72.6	108.8





#7

Acenaphthylene

Concen: 0.070 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

Instrument :

BNA_E

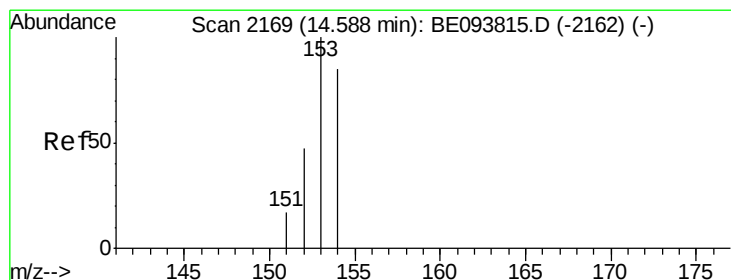
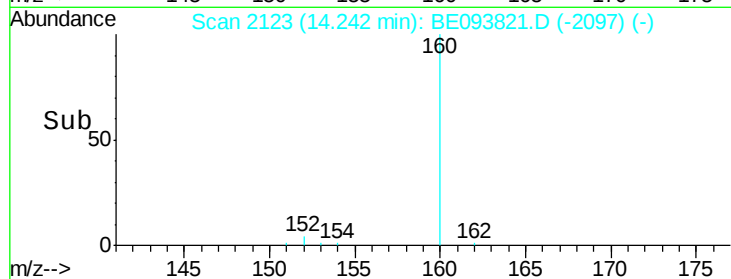
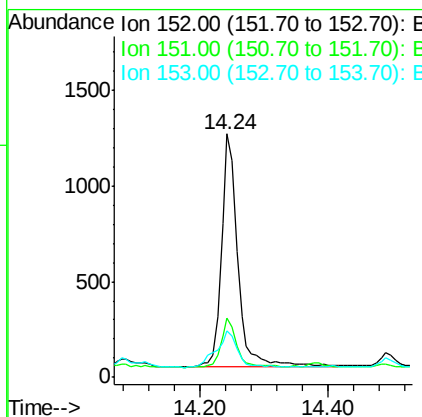
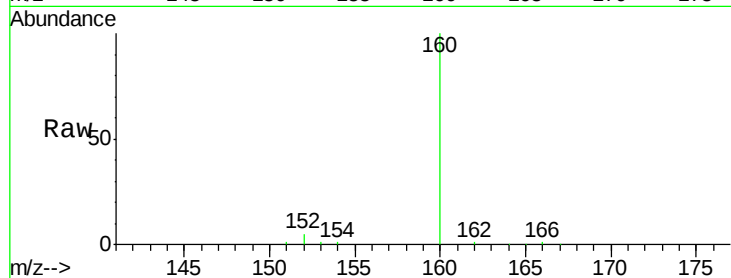
ClientSampleId :

C0AJ3

Tgt Ion:	152	Resp:	2201
Ion Ratio	Lower	Upper	
152	100		
151	24.3	17.1	25.7
153	19.3	12.8	19.2

Manual Integrations
APPROVED

Sohil
8/16/2017 6:42:45 PM



#8

Acenaphthene

Concen: 0.091 ng/ul

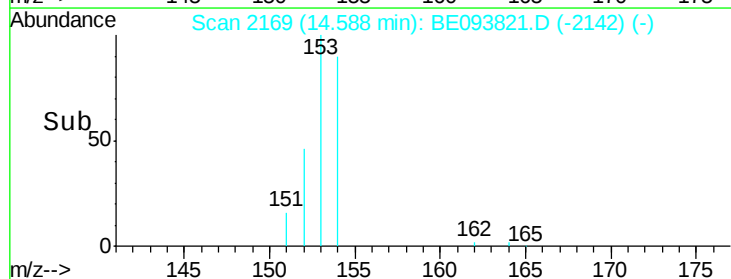
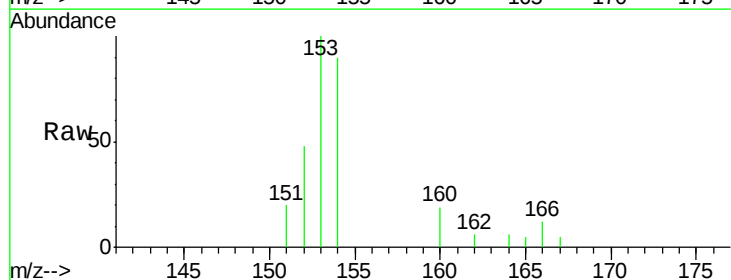
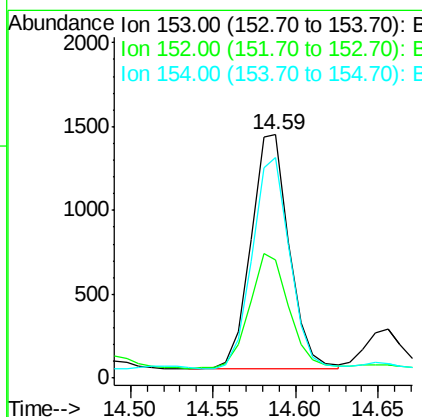
RT: 14.59 min Scan# 2169

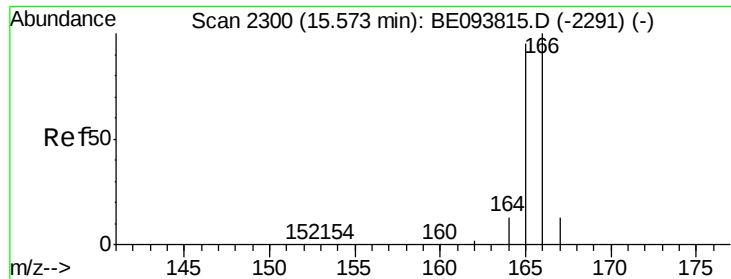
Delta R.T. 0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

Tgt Ion:	153	Resp:	2256
Ion Ratio	Lower	Upper	
153	100		
152	48.3	40.3	60.5
154	90.4	71.4	107.2





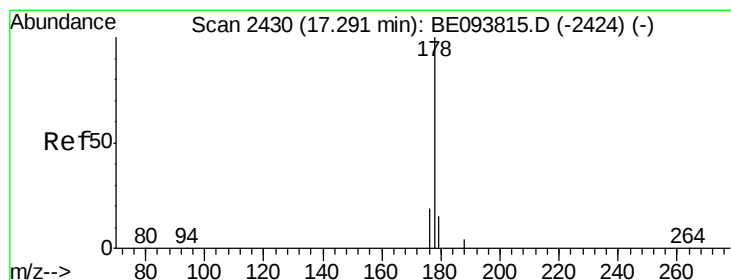
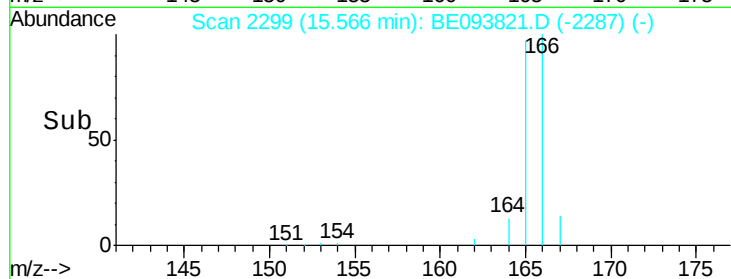
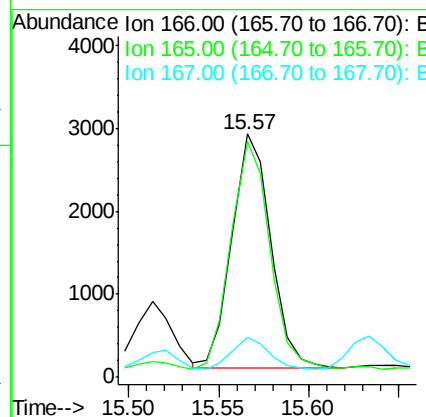
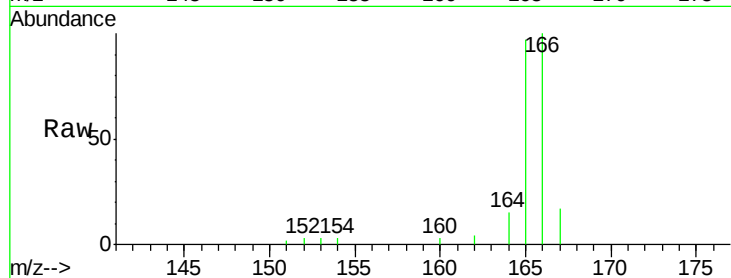
#9
Fluorene
 Concen: 0.134 ng/ul
 RT: 15.57 min Scan# 2299
 Delta R.T. -0.01 min
 Lab File: BE093821.D
 Acq: 15 Aug 2017 23:31

Instrument :
 BNA_E
 ClientSampleId :
 C0AJ3

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.1	73.4	110.2
167	16.6	14.6	22.0

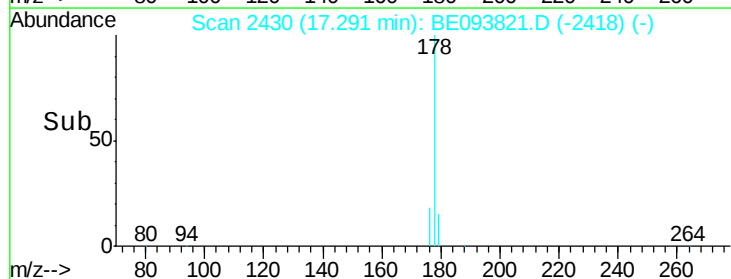
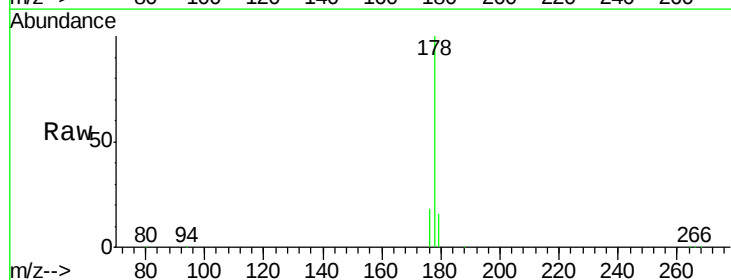
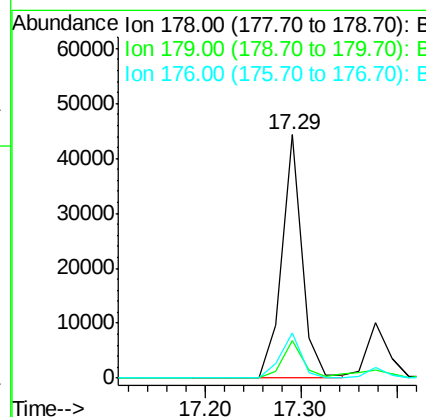
Manual Integrations
 APPROVED

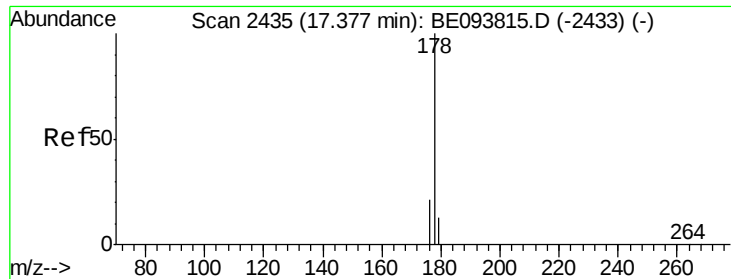
Sohil
 8/16/2017 6:42:45 PM



#12
Phenanthrene
 Concen: 1.480 ng/ul
 RT: 17.29 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: BE093821.D
 Acq: 15 Aug 2017 23:31

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	18.4	27.6#
176	18.5	13.6	20.4





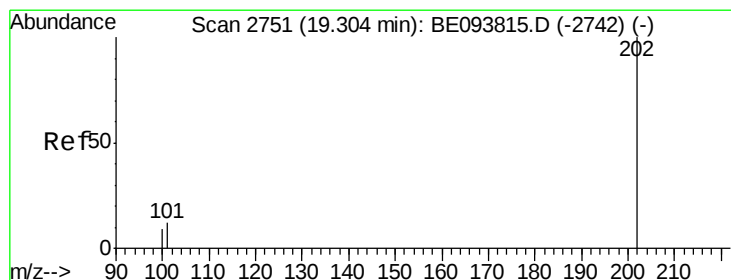
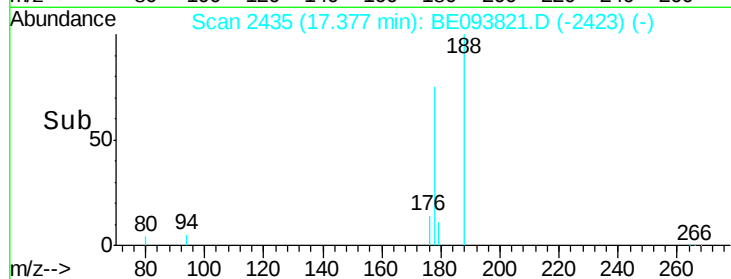
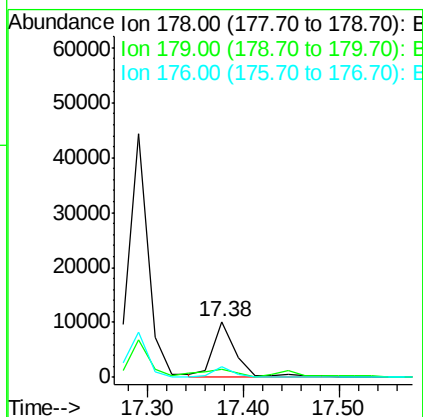
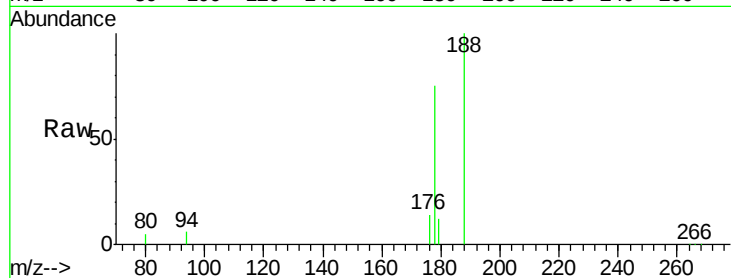
#13
 Anthracene
 Concen: 0.380 ng/ul
 RT: 17.38 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: BE093821.D
 Acq: 15 Aug 2017 23:31

Instrument :
 BNA_E
 ClientSampled :
 C0AJ3

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	18.1	27.1#
176	19.1	14.7	22.1

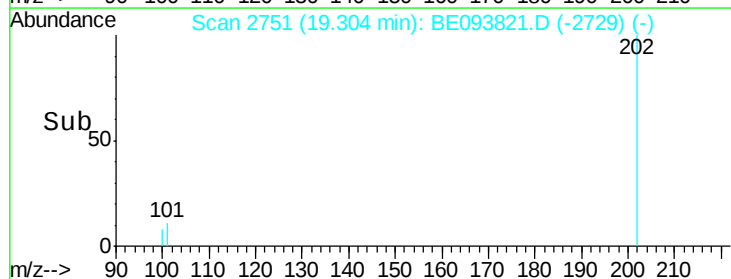
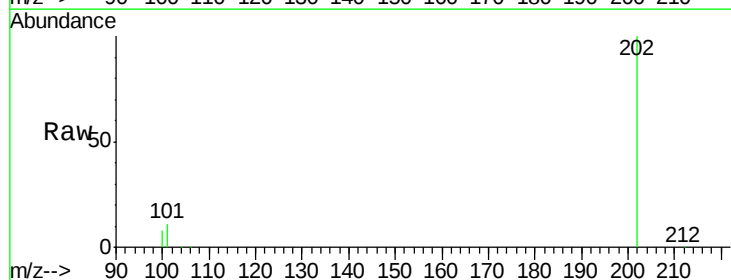
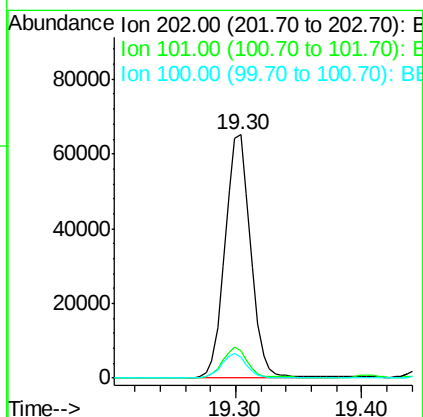
Manual Integrations
 APPROVED

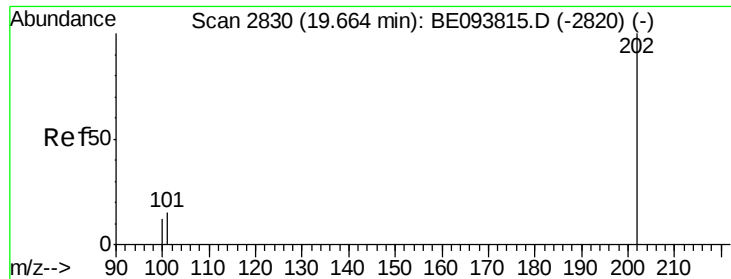
Sohil
 8/16/2017 6:42:45 PM



#15
 Fluoranthene
 Concen: 1.681 ng/ul
 RT: 19.30 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: BE093821.D
 Acq: 15 Aug 2017 23:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.3
100	8.4	0.0	39.5





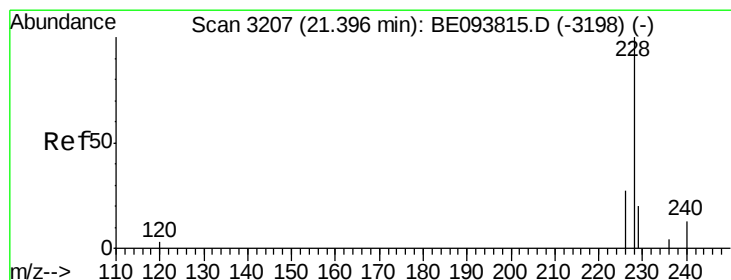
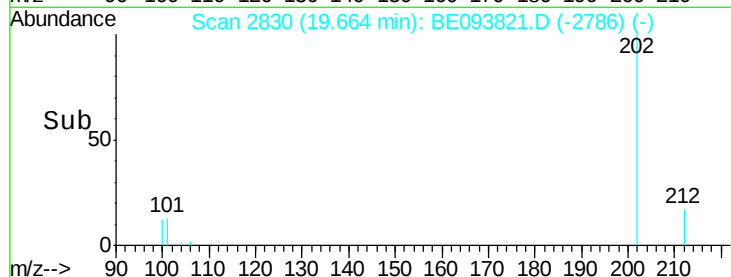
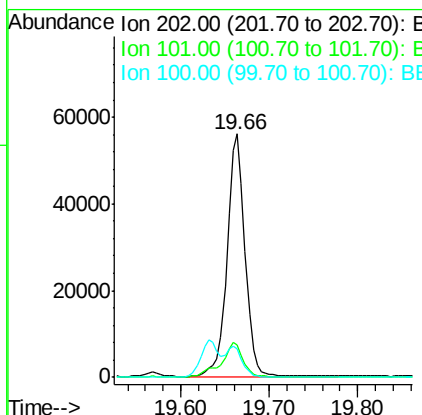
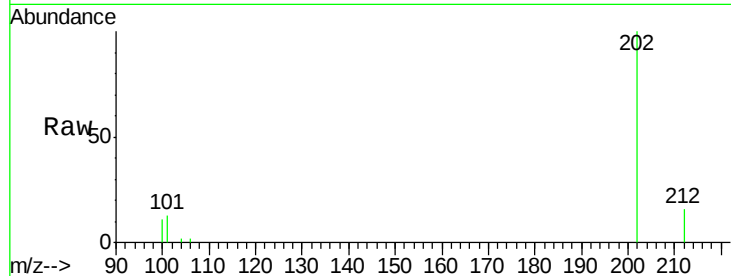
#17
Pyrene
 Concen: 1.596 ng/ul
 RT: 19.66 min Scan# 2830
 Delta R.T. -0.00 min
 Lab File: BE093821.D
 Acq: 15 Aug 2017 23:31

Instrument :
 BNA_E
 ClientSampleId :
 C0AJ3

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.4	18.2	27.4#
100	11.5	15.6	23.4#

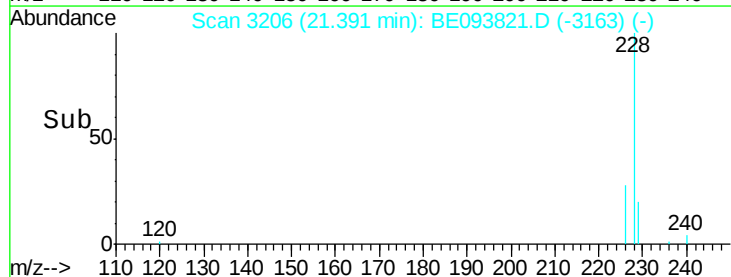
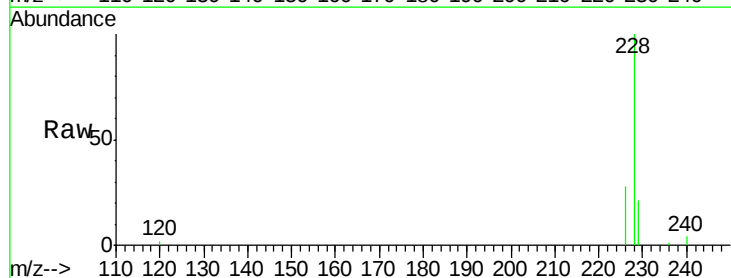
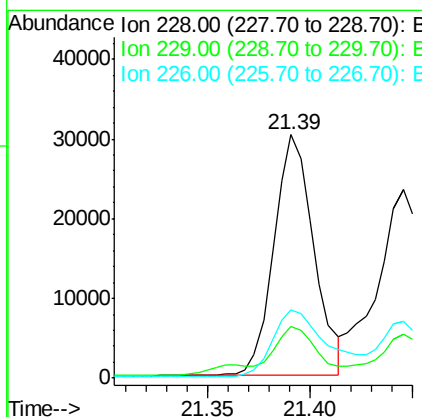
Manual Integrations
 APPROVED

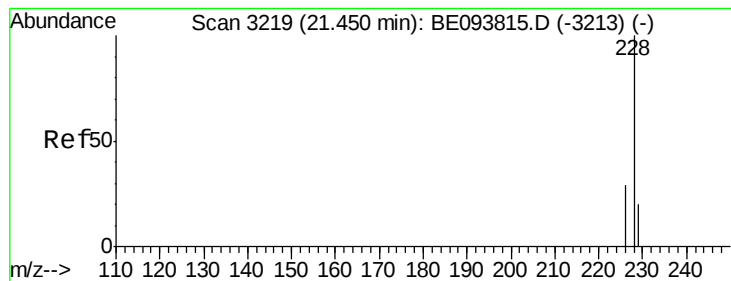
Sohil
 8/16/2017 6:42:45 PM



#18
Benzo(a)anthracene
 Concen: 0.839 ng/ul
 RT: 21.39 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: BE093821.D
 Acq: 15 Aug 2017 23:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.3	22.8	34.2#
226	28.2	17.0	25.6#





#19

Chrysene

Concen: 0.778 ng/ul

RT: 21.45 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

Instrument :

BNA_E

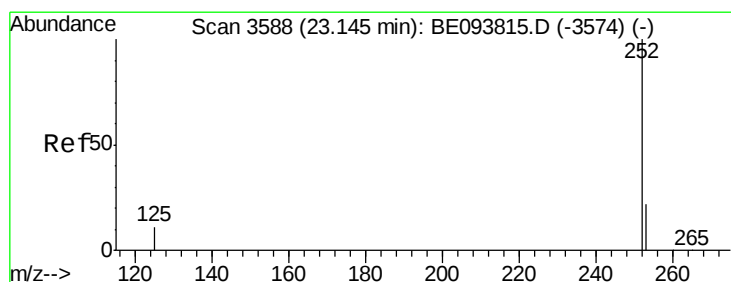
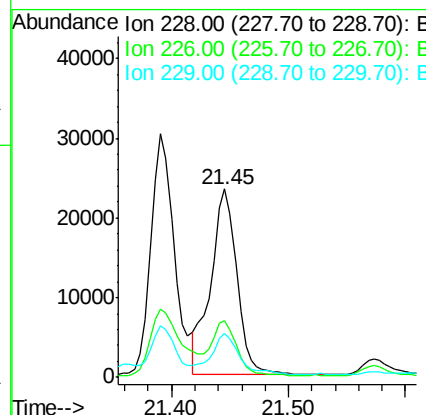
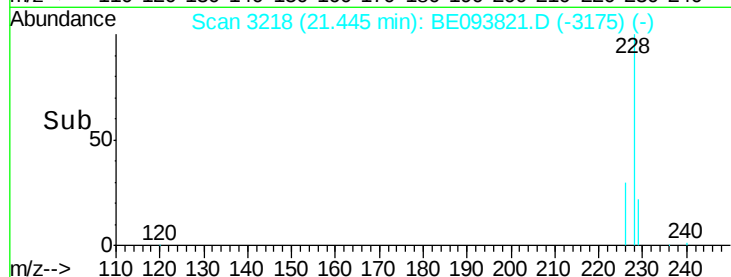
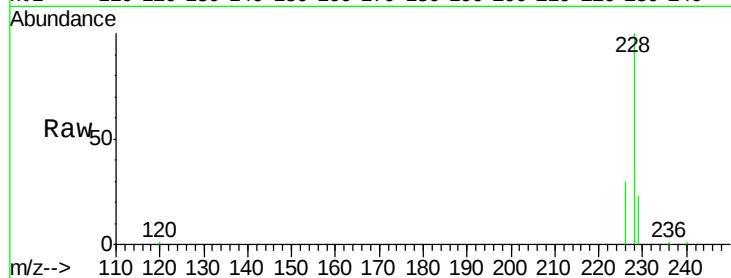
ClientSampleId :

C0AJ3

Tgt Ion:	228	Resp:	36659
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.4	35.0
229	23.1	17.7	26.5

Manual Integrations
APPROVED

Sohil
8/16/2017 6:42:45 PM



#21

Benzo(b)fluoranthene

Concen: 0.768 ng/ul m

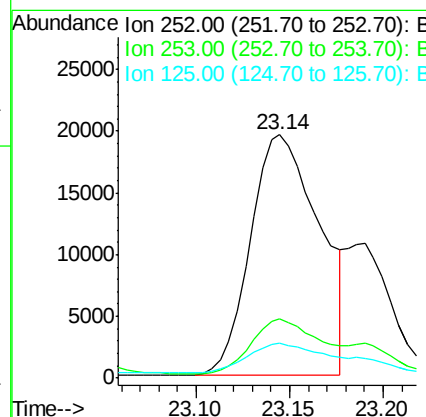
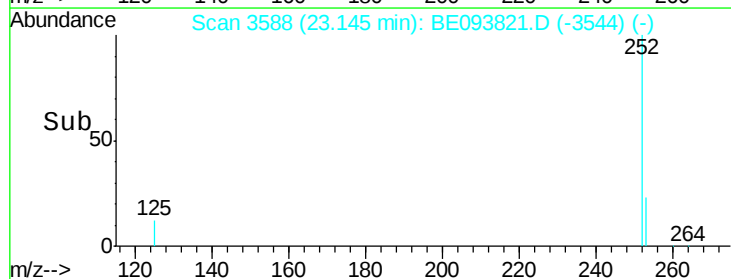
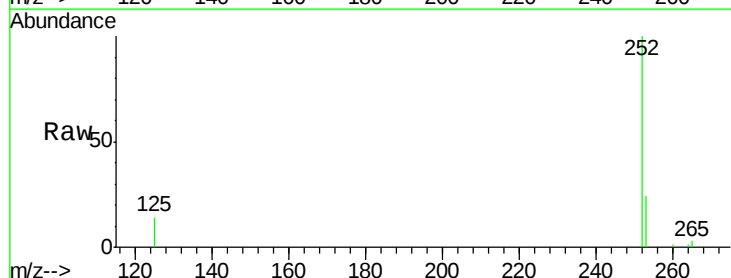
RT: 23.14 min Scan# 3588

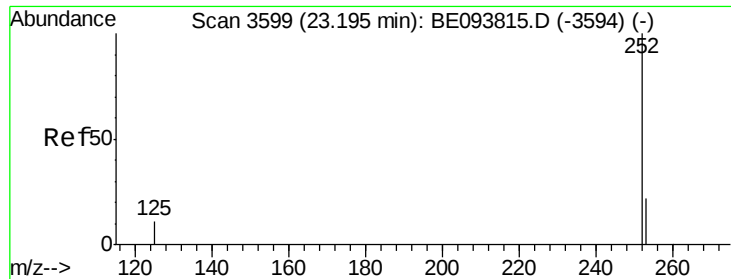
Delta R.T. -0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

Tgt Ion:	252	Resp:	49867
Ion Ratio	Lower	Upper	
252	100		
253	24.2	0.0	64.2
125	14.1	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 0.293 ng/ul m

RT: 23.19 min Scan# 3598

Delta R.T. -0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

Instrument :

BNA_E

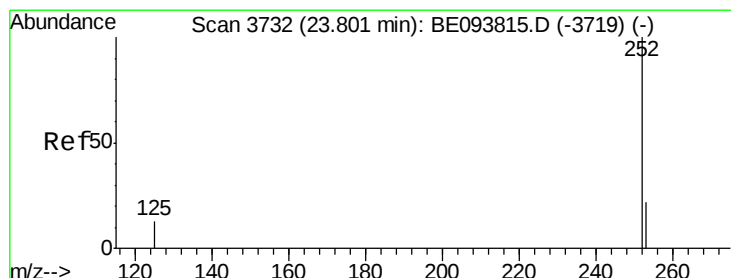
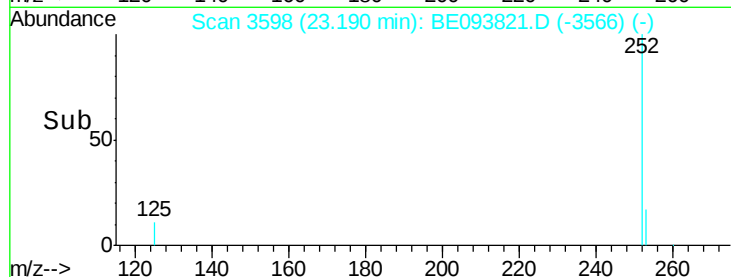
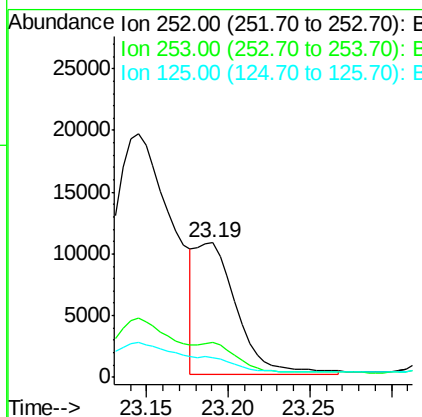
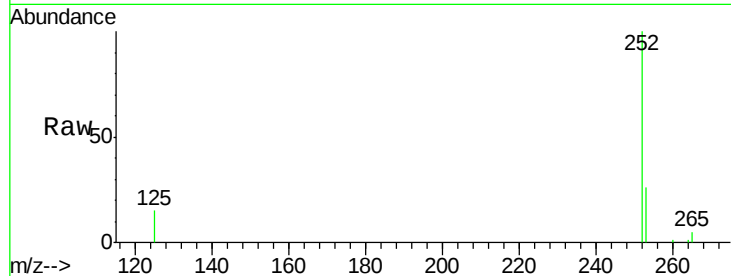
ClientSampled :

C0AJ3

Tgt Ion:	252	Resp:	18739
Ion Ratio	Lower	Upper	
252	100		
253	25.6	24.5	36.7
125	14.7	13.7	20.5

Manual Integrations
APPROVED

Sohil
8/16/2017 6:42:45 PM



#23

Benzo(a)pyrene

Concen: 0.550 ng/ul

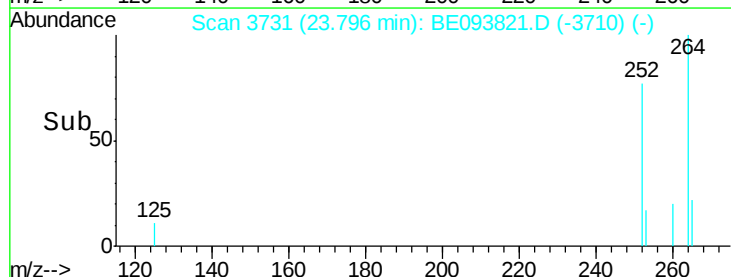
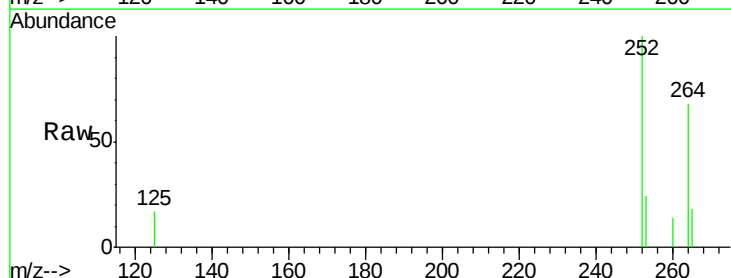
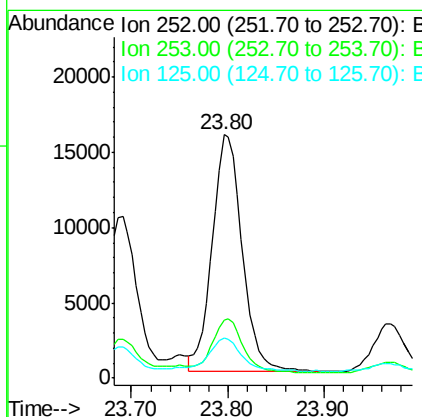
RT: 23.80 min Scan# 3731

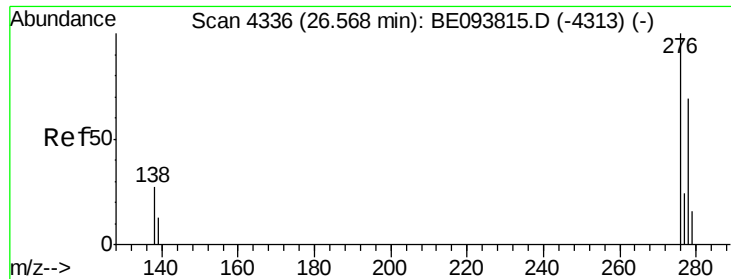
Delta R.T. -0.00 min

Lab File: BE093821.D

Acq: 15 Aug 2017 23:31

Tgt Ion:	252	Resp:	33939
Ion Ratio	Lower	Upper	
252	100		
253	24.0	28.5	42.7#
125	16.5	18.1	27.1#





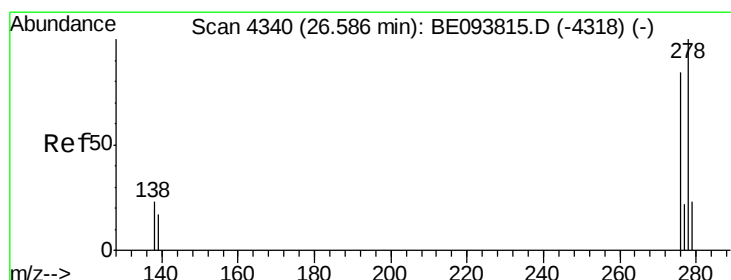
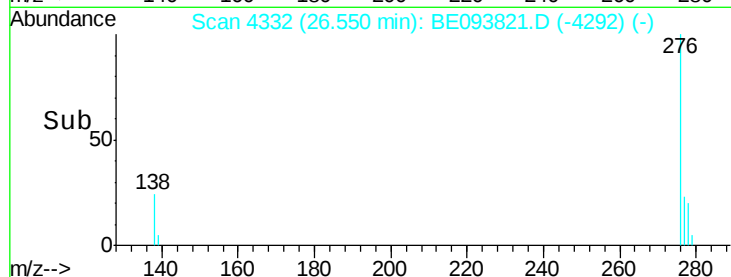
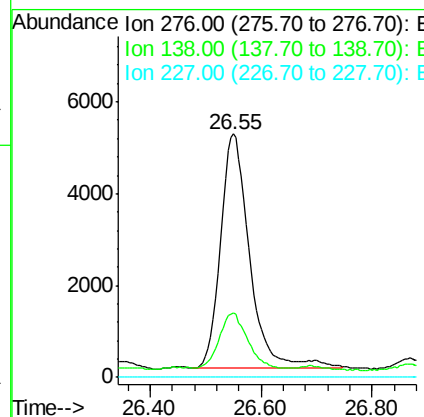
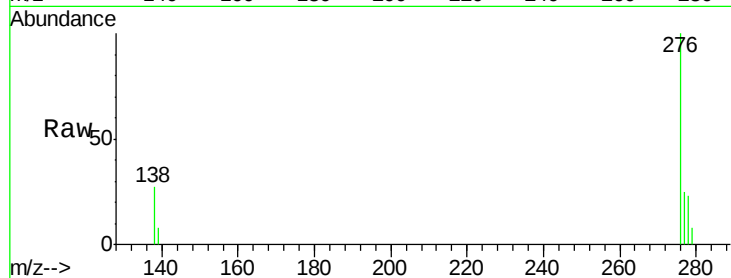
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.272 ng/ul
 RT: 26.55 min Scan# 4332
 Delta R.T. -0.02 min
 Lab File: BE093821.D
 Acq: 15 Aug 2017 23:31

Instrument :
 BNA_E
 ClientSampleId :
 C0AJ3

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	23.6	28.0	42.0#
227	0.0	8.0	12.0#

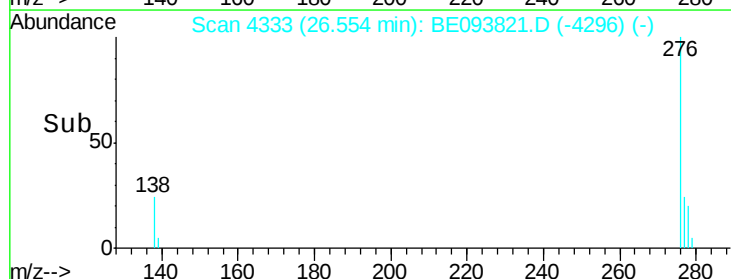
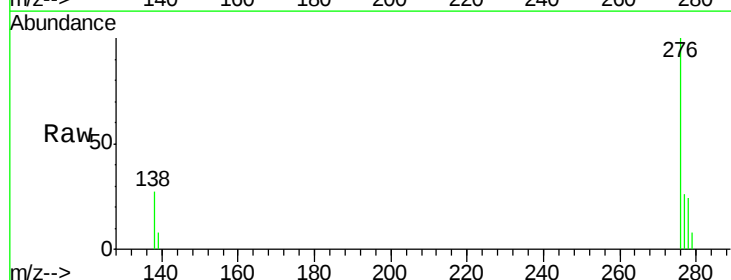
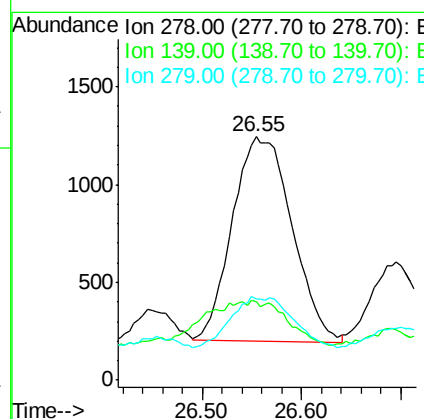
Manual Integrations
 APPROVED

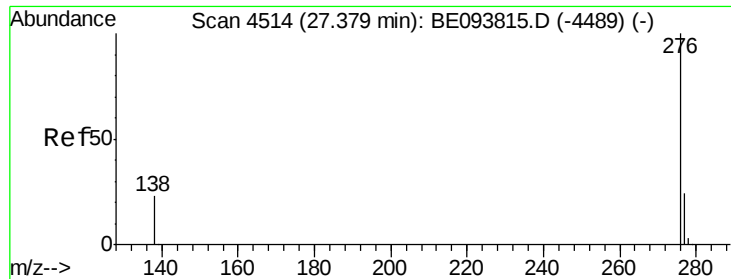
Sohil
 8/16/2017 6:42:45 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.077 ng/ul
 RT: 26.55 min Scan# 4333
 Delta R.T. -0.03 min
 Lab File: BE093821.D
 Acq: 15 Aug 2017 23:31

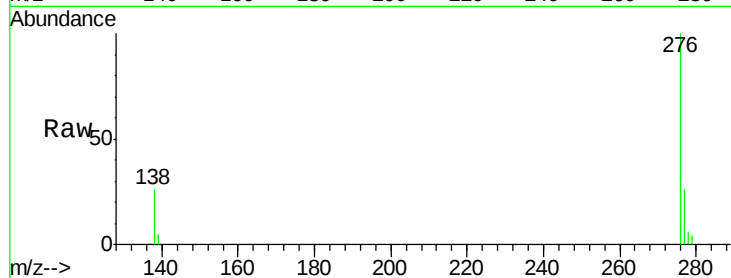
Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	32.4	17.4	26.0#
279	33.5	25.9	38.9





#26
 Benzo(g,h,i)perylene
 Concen: 0.255 ng/ul
 RT: 27.37 min Scan# 4512
 Delta R.T. -0.01 min
 Lab File: BE093821.D
 Acq: 15 Aug 2017 23:31

Instrument :
 BNA_E
 ClientSampleId :
 C0AJ3



Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.4	21.8	32.8
277	26.4	20.5	30.7

Manual Integrations
 APPROVED

Sohil
 8/16/2017 6:42:45 PM

