

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\  
 Data File : BE097184.D  
 Acq On : 3 Aug 2018 18:00  
 Operator : SJ/JU  
 Sample : J4171-09  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

**Instrument :**  
 BNA\_E  
**ClientSampled :**  
 JJ1K2

**Manual Integrations**  
**APPROVED**  
 Sohil  
 8/6/2018 4:32:26 PM

Quant Time: Aug 03 23:59:31 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 03 23:39:09 2018  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1526	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	8128	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.02	164	5425	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.77	188	12426m	0.40	ng/ul	0.00
16) Chrysene-d12	20.98	240	13061m	0.40	ng/ul	0.00
20) Perylene-d12	23.22	264	12299m	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.73	152	3893	0.30	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	12568m	0.29	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.18	128	3717	0.189	ng/ul#	91
5) 2-Methylnaphthalene	11.81	142	1322	0.102	ng/ul	95
8) Acenaphthene	14.09	153	1722	0.102	ng/ul#	86
9) Fluorene	15.08	166	1140	0.058	ng/ul#	66
12) Phenanthrene	16.81	178	8889m	0.281	ng/ul	
13) Anthracene	16.90	178	1076m	0.036	ng/ul	
15) Fluoranthene	18.84	202	14580m	0.348	ng/ul	
17) Pyrene	19.21	202	20543m	0.587	ng/ul	
18) Benzo(a)anthracene	20.96	228	6508m	0.174	ng/ul	
19) Chrysene	21.01	228	10124m	0.263	ng/ul	
21) Benzo(b)fluoranthene	22.54	252	8221m	0.245	ng/ul	
22) Benzo(k)fluoranthene	22.57	252	8894m	0.246	ng/ul	
23) Benzo(a)pyrene	23.12	252	8399m	0.250	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.51	276	4579m	0.109	ng/ul	
26) Benzo(a,h,i)perylene	26.21	276	4938m	0.136	ng/ul	

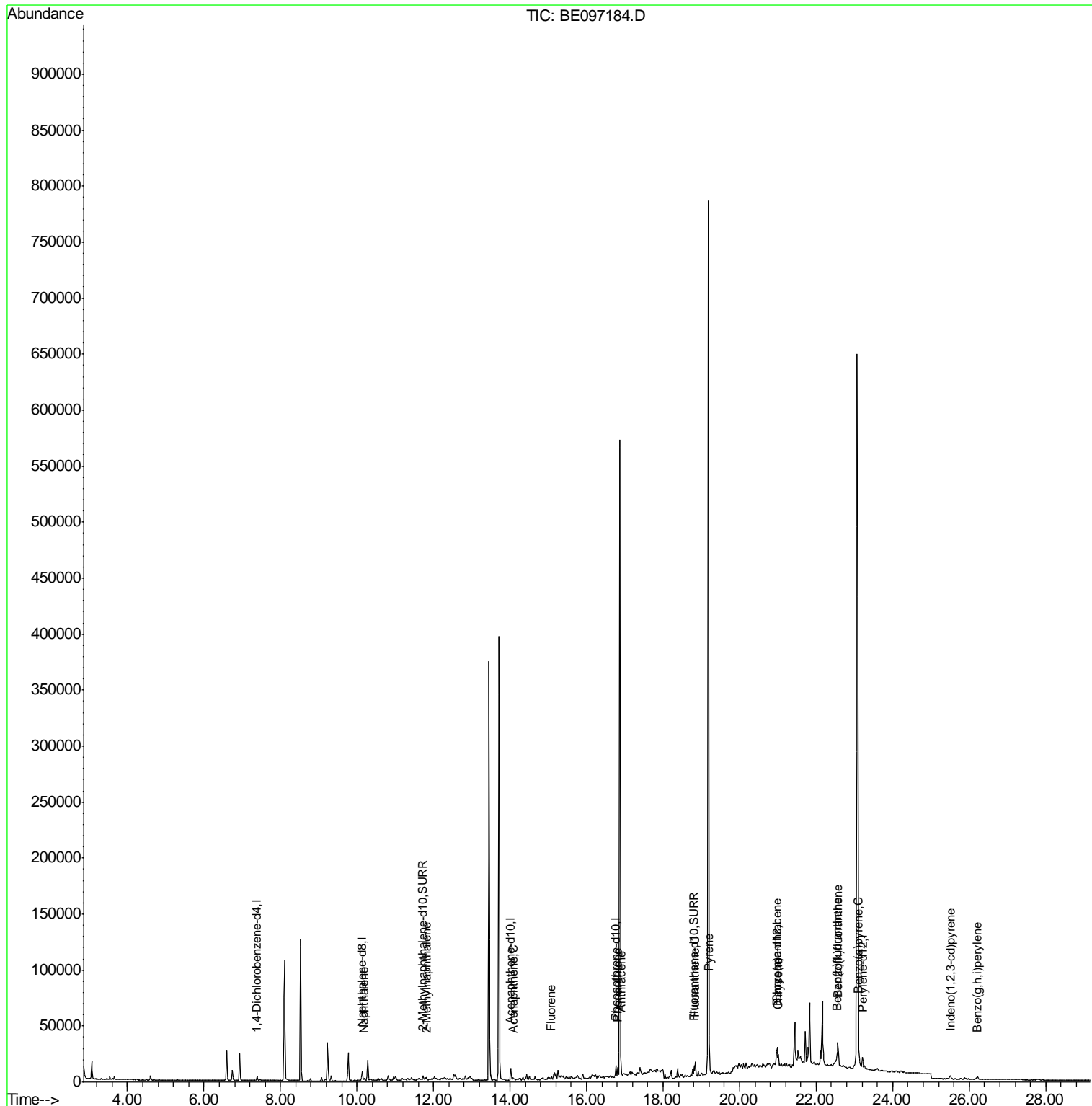
(#) = qualifier out of range (m) = manual integration (+) = signals summed

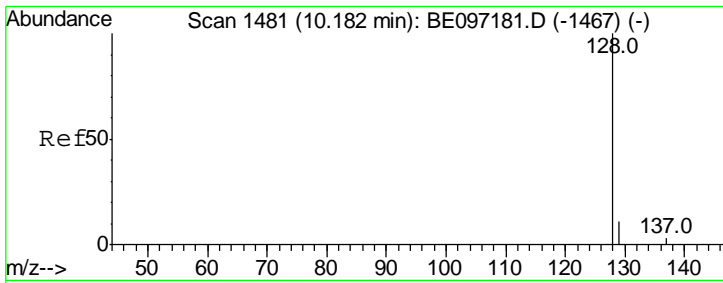
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080318\  
 Data File : BE097184.D  
 Acq On : 3 Aug 2018 18:00  
 Operator : SJ/JU  
 Sample : J4171-09  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 JJ1K2

Manual Integrations  
 APPROVED  
 Sohil  
 8/6/2018 4:32:26 PM

Quant Time: Aug 03 23:59:31 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 03 23:39:09 2018  
 Response via : Initial Calibration





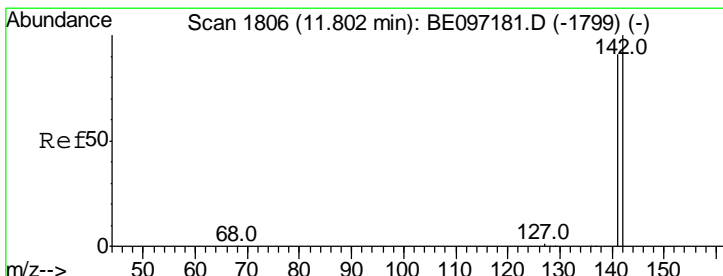
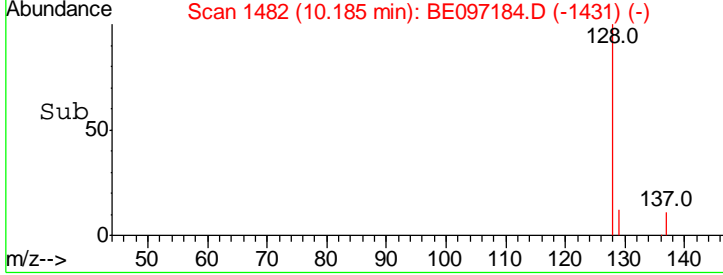
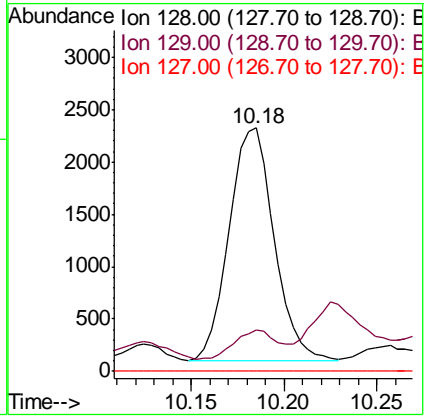
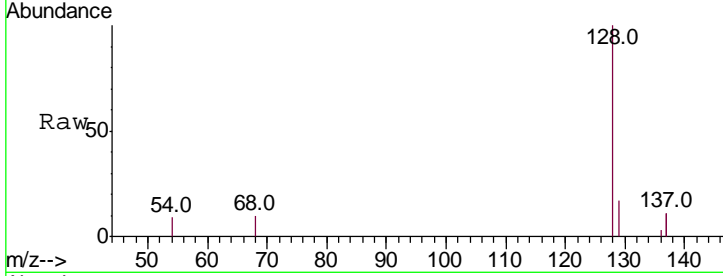
#3  
 Naphthalene  
 Concen: 0.189 ng/ul  
 RT: 10.18 min Scan# 1482  
 Delta R.T. 0.00 min  
 Lab File: BE097184.D  
 Acq: 3 Aug 2018 18:00

**Instrument :**  
 BNA\_E  
**ClientSampled :**  
 JJ1K2

Tgt Ion	Resp	Lower	Upper
128	3717		
129	16.8	11.3	16.9
127	0.0	4.0	6.0#

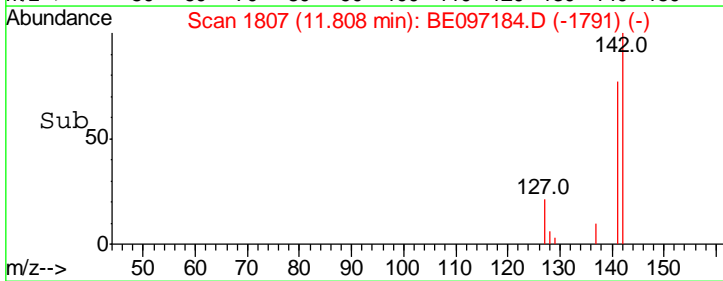
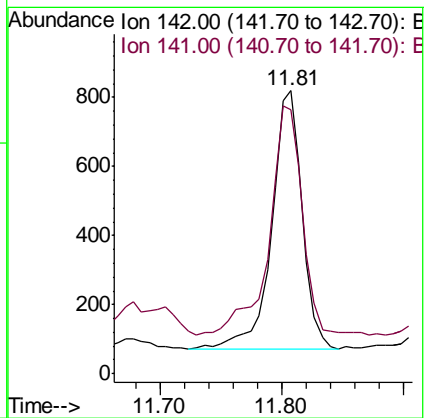
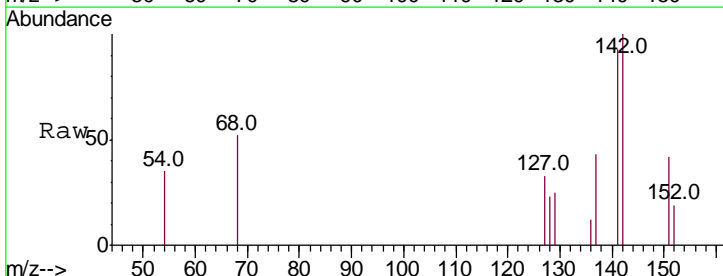
**Manual Integrations**  
**APPROVED**

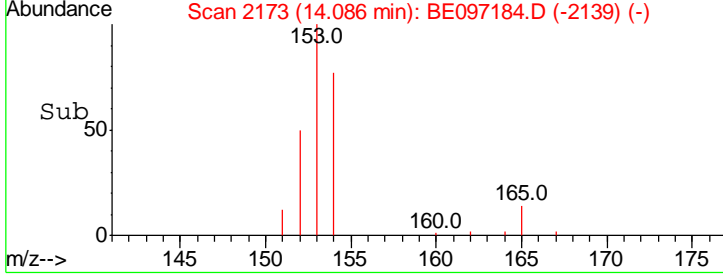
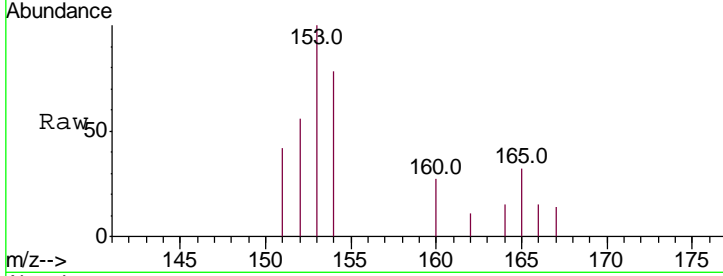
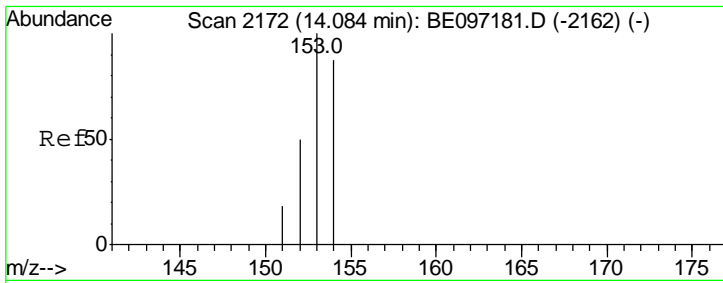
Sohil  
 8/6/2018 4:32:26 PM



#5  
 2-Methylnaphthalene  
 Concen: 0.102 ng/ul  
 RT: 11.81 min Scan# 1807  
 Delta R.T. 0.01 min  
 Lab File: BE097184.D  
 Acq: 3 Aug 2018 18:00

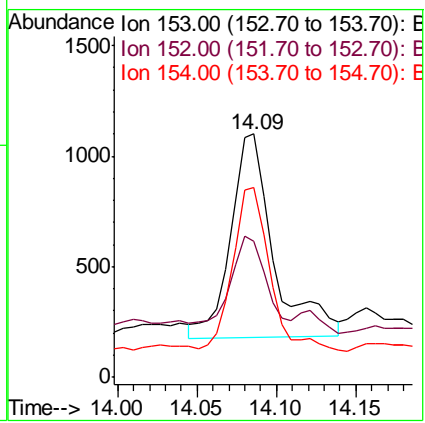
Tgt Ion	Resp	Lower	Upper
142	1322		
141	95.8	72.6	108.8





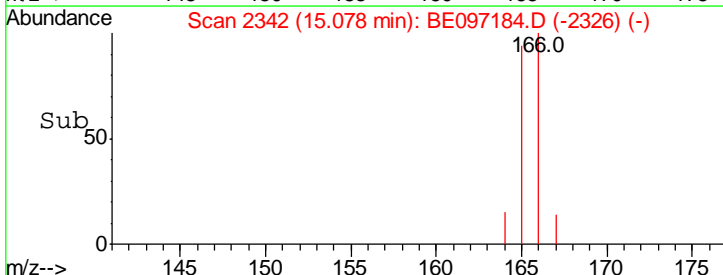
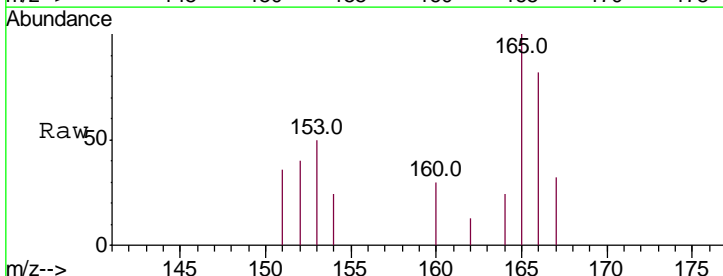
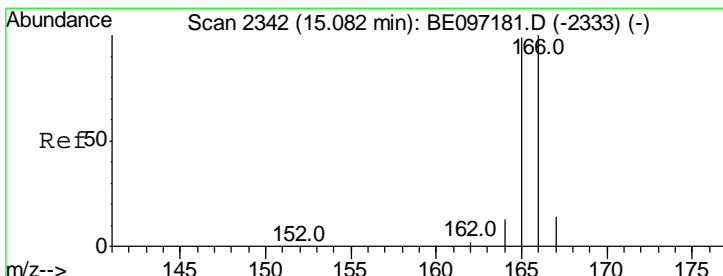
#8  
 Acenaphthene  
 Concen: 0.102 ng/ul  
 RT: 14.09 min Scan# 2173  
 Delta R.T. 0.00 min  
 Lab File: BE097184.D  
 Acq: 3 Aug 2018 18:00

Tgt Ion	Resp	Lower	Upper
153	100		
152	56.0	36.0	54.0#
154	77.7	72.0	108.0



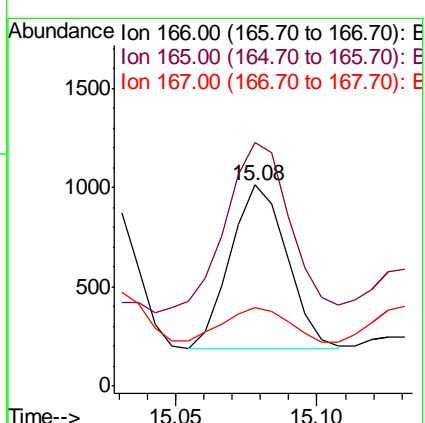
Instrument : BNA\_E  
 ClientSampled : JJ1K2

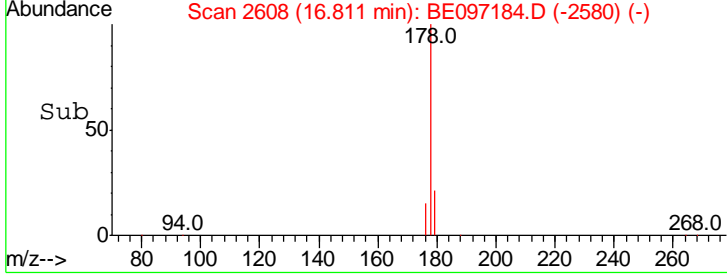
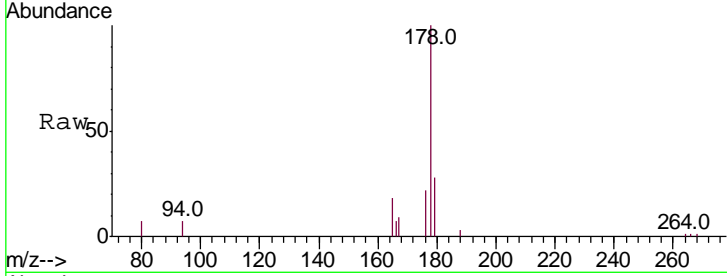
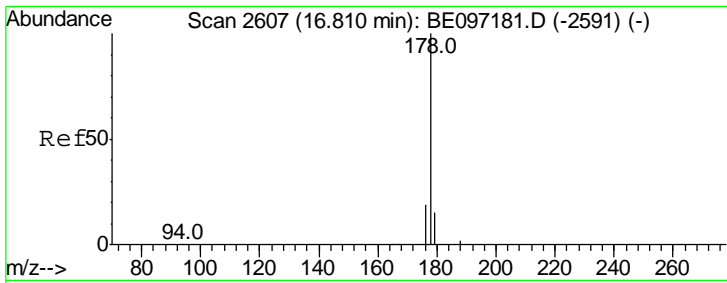
Manual Integrations APPROVED  
 Sohil  
 8/6/2018 4:32:26 PM



#9  
 Fluorene  
 Concen: 0.058 ng/ul  
 RT: 15.08 min Scan# 2342  
 Delta R.T. -0.00 min  
 Lab File: BE097184.D  
 Acq: 3 Aug 2018 18:00

Tgt Ion	Resp	Lower	Upper
166	100		
165	121.2	73.4	110.2#
167	39.1	14.6	22.0#



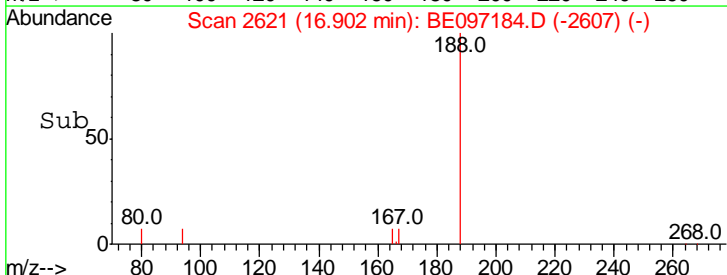
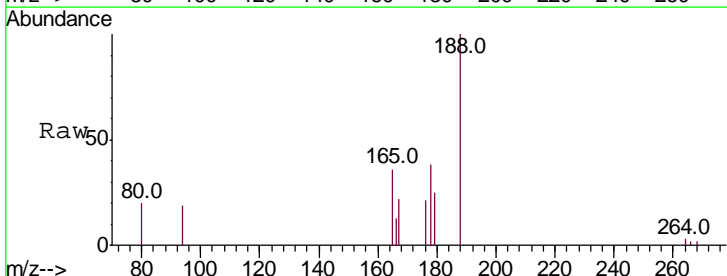
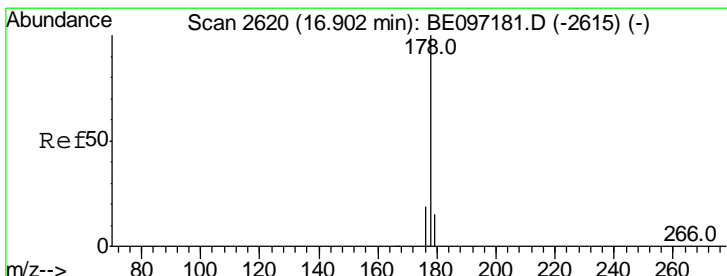
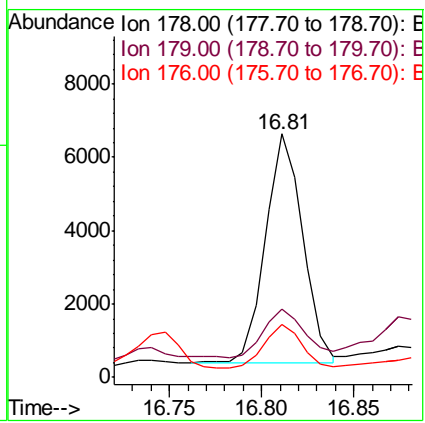


#12  
 Phenanthrene  
 Concen: 0.281 ng/ul m  
 RT: 16.81 min Scan# 2608  
 Delta R.T. 0.00 min  
 Lab File: BE097184.D  
 Acq: 3 Aug 2018 18:00

Tgt Ion	Resp	Lower	Upper
178	100		
179	28.1	18.4	27.6#
176	21.7	13.6	20.4#

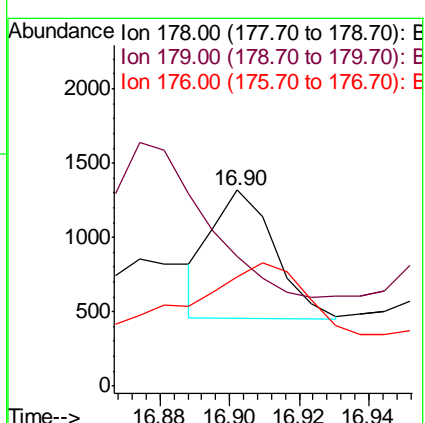
Instrument :  
 BNA\_E  
 ClientSampled :  
 JJ1K2

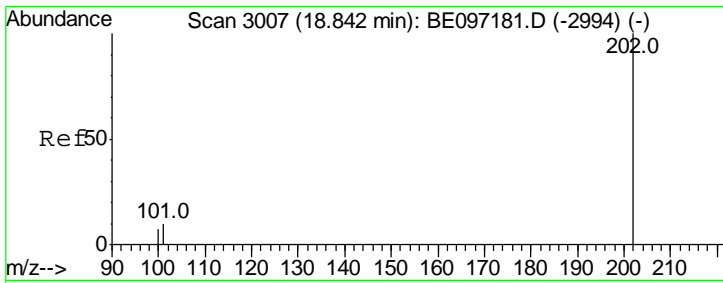
Manual Integrations  
**APPROVED**  
 Sohil  
 8/6/2018 4:32:26 PM



#13  
 Anthracene  
 Concen: 0.036 ng/ul m  
 RT: 16.90 min Scan# 2621  
 Delta R.T. 0.00 min  
 Lab File: BE097184.D  
 Acq: 3 Aug 2018 18:00

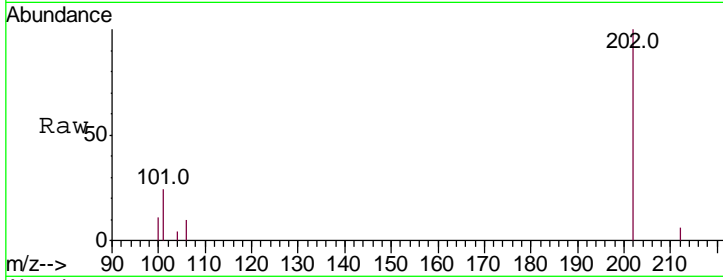
Tgt Ion	Resp	Lower	Upper
178	100		
179	66.0	18.1	27.1#
176	55.7	14.7	22.1#





#15  
 Fluoranthene  
 Concen: 0.348 ng/ul m  
 RT: 18.84 min Scan# 3008  
 Delta R.T. -0.00 min  
 Lab File: BE097184.D  
 Acq: 3 Aug 2018 18:00

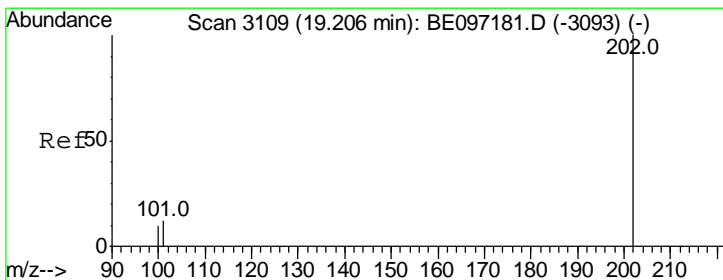
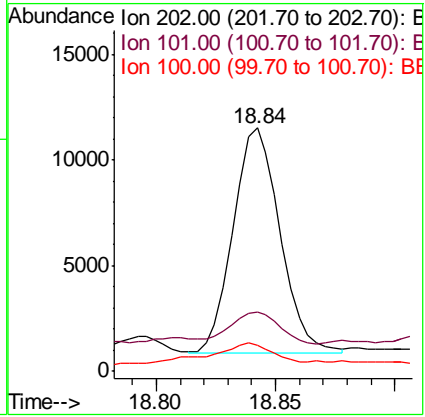
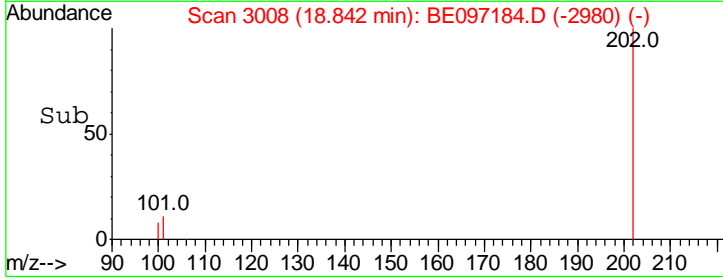
Instrument :  
 BNA\_E  
 ClientSampled :  
 JJ1K2



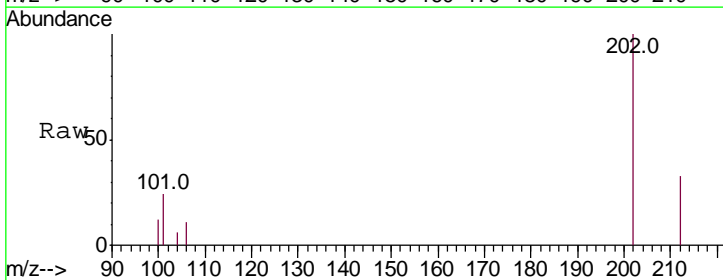
Tgt Ion: 202 Resp: 14580

Ion	Ratio	Lower	Upper
202	100		
101	24.4	0.0	30.3
100	10.9	0.0	39.5

Manual Integrations  
 APPROVED  
 Sohil  
 8/6/2018 4:32:26 PM

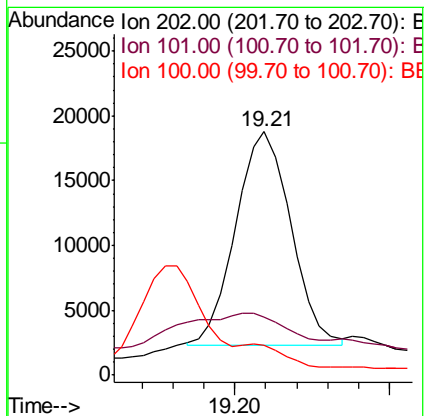
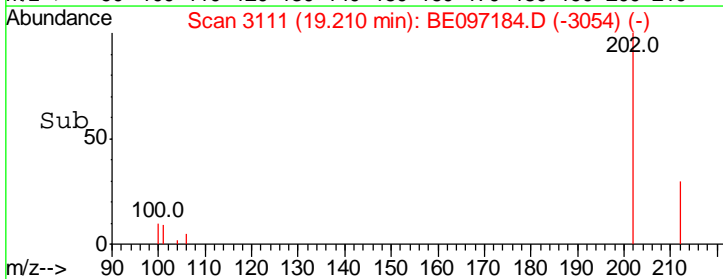


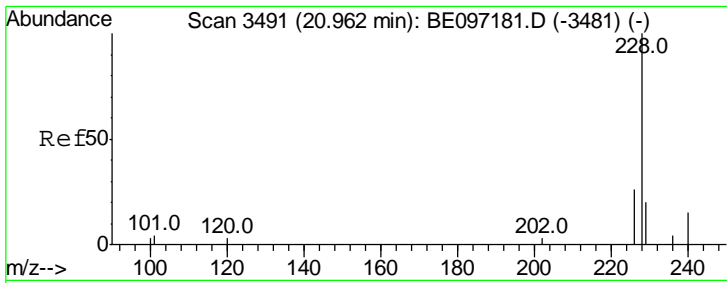
#17  
 Pyrene  
 Concen: 0.587 ng/ul m  
 RT: 19.21 min Scan# 3111  
 Delta R.T. 0.00 min  
 Lab File: BE097184.D  
 Acq: 3 Aug 2018 18:00



Tgt Ion: 202 Resp: 20543

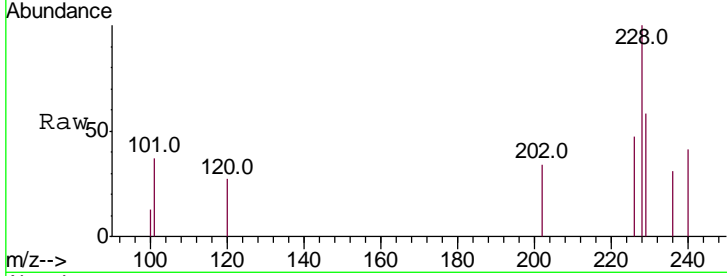
Ion	Ratio	Lower	Upper
202	100		
101	24.0	18.2	27.4
100	12.1	15.6	23.4#





#18  
 Benzo(a)anthracene  
 Concen: 0.174 ng/ul m  
 RT: 20.96 min Scan# 3493  
 Delta R.T. 0.00 min  
 Lab File: BE097184.D  
 Acq: 3 Aug 2018 18:00

Instrument :  
 BNA\_E  
 ClientSampled :  
 JJ1K2

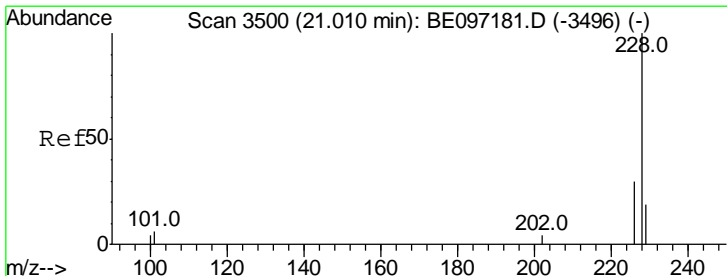
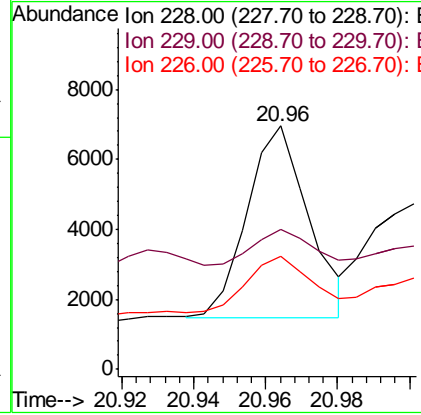
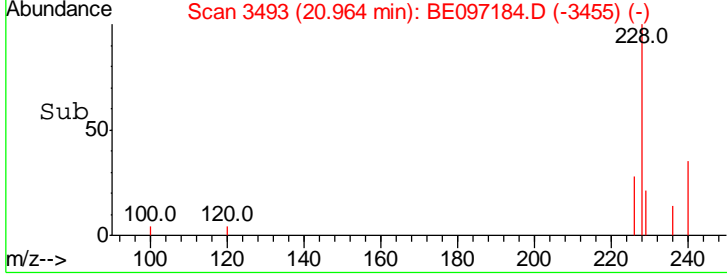


Tgt Ion: 228 Resp: 6508

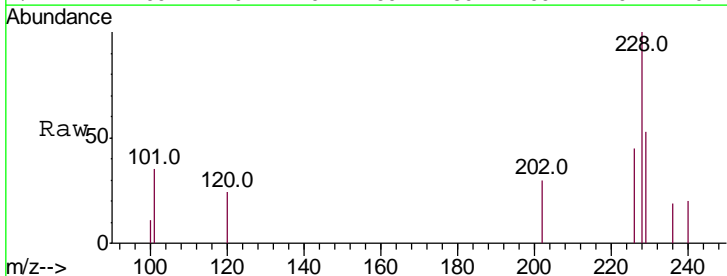
Ion	Ratio	Lower	Upper
228	100		
229	57.6	22.8	34.2#
226	46.5	17.0	25.6#

Manual Integrations  
 APPROVED

Sohil  
 8/6/2018 4:32:26 PM

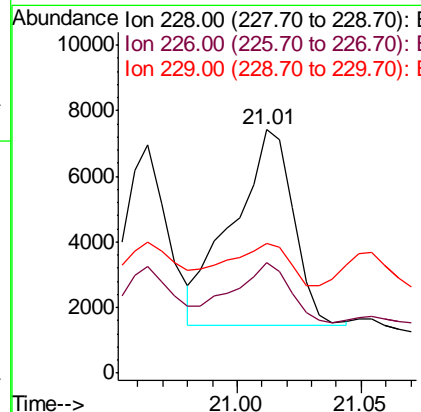
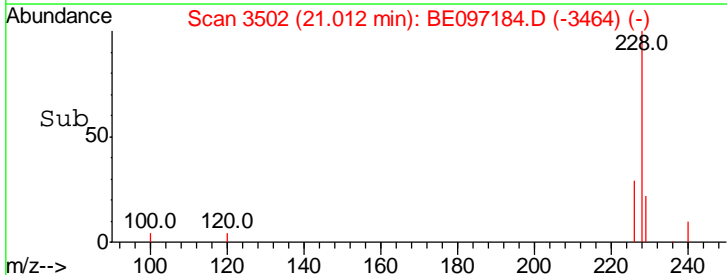


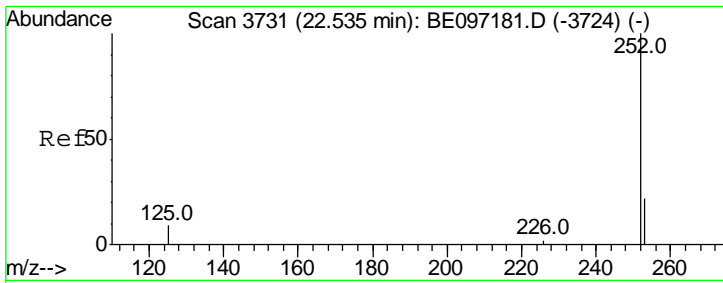
#19  
 Chrysene  
 Concen: 0.263 ng/ul m  
 RT: 21.01 min Scan# 3502  
 Delta R.T. 0.00 min  
 Lab File: BE097184.D  
 Acq: 3 Aug 2018 18:00



Tgt Ion: 228 Resp: 10124

Ion	Ratio	Lower	Upper
228	100		
226	45.4	23.4	35.0#
229	53.4	17.7	26.5#





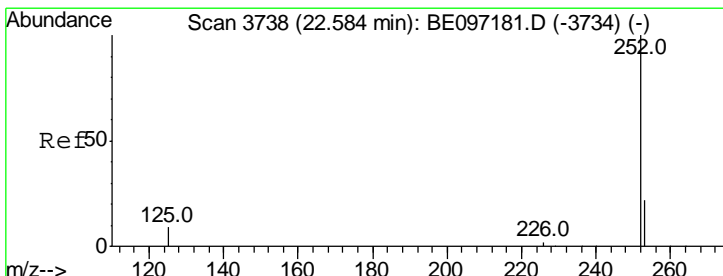
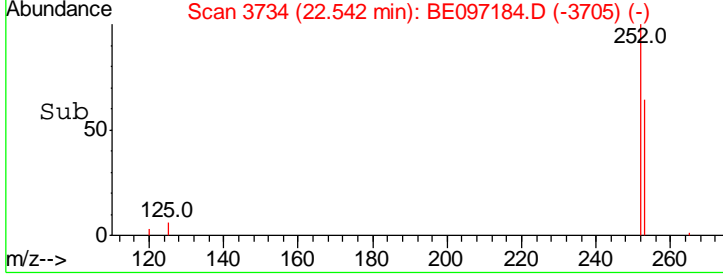
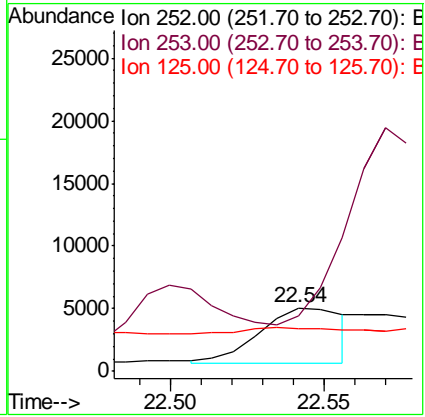
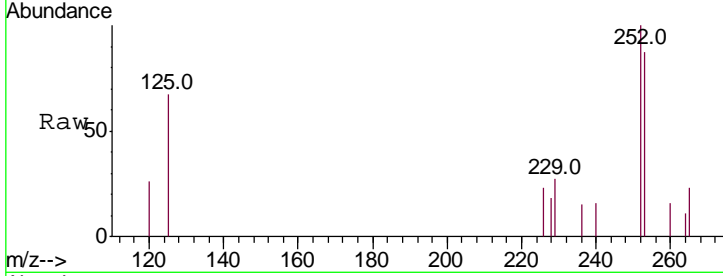
#21  
 Benzo(b)fluoranthene  
 Concen: 0.245 ng/ul m  
 RT: 22.54 min Scan# 3734  
 Delta R.T. 0.01 min  
 Lab File: BE097184.D  
 Acq: 3 Aug 2018 18:00

Instrument :  
 BNA\_E  
 ClientSampled :  
 JJ1K2

Tgt Ion: 252 Resp: 8221

Ion	Ratio	Lower	Upper
252	100		
253	86.7	0.0	64.2#
125	67.4	0.0	35.0#

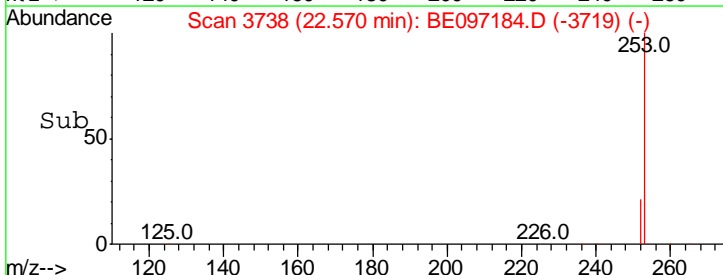
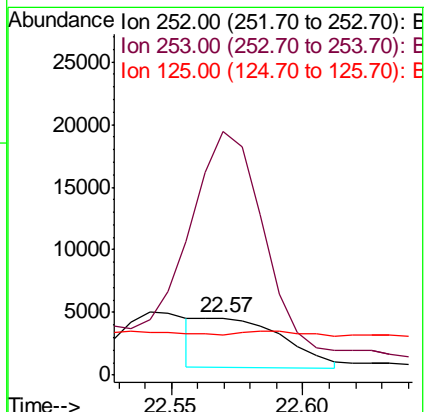
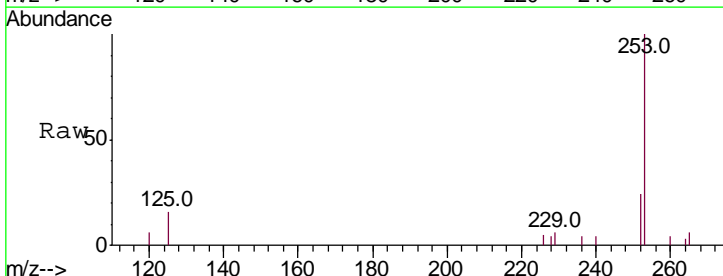
Manual Integrations  
 APPROVED  
 Sohil  
 8/6/2018 4:32:26 PM



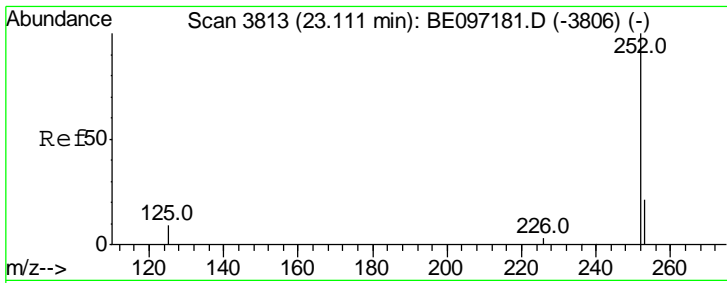
#22  
 Benzo(k)fluoranthene  
 Concen: 0.246 ng/ul m  
 RT: 22.57 min Scan# 3738  
 Delta R.T. -0.01 min  
 Lab File: BE097184.D  
 Acq: 3 Aug 2018 18:00

Tgt Ion: 252 Resp: 8894

Ion	Ratio	Lower	Upper
252	100		
253	424.4	24.5	36.7#
125	69.8	13.7	20.5#

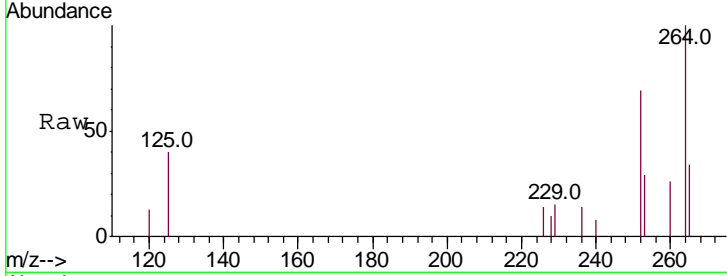






#23  
 Benzo(a)pyrene  
 Concen: 0.250 ng/ul m  
 RT: 23.12 min Scan# 3816  
 Delta R.T. 0.01 min  
 Lab File: BE097184.D  
 Acq: 3 Aug 2018 18:00

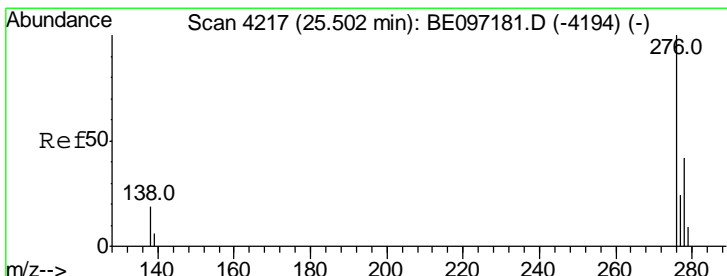
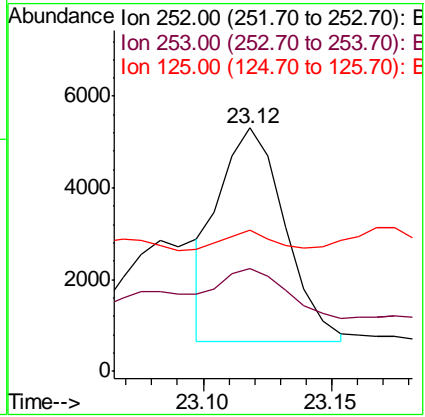
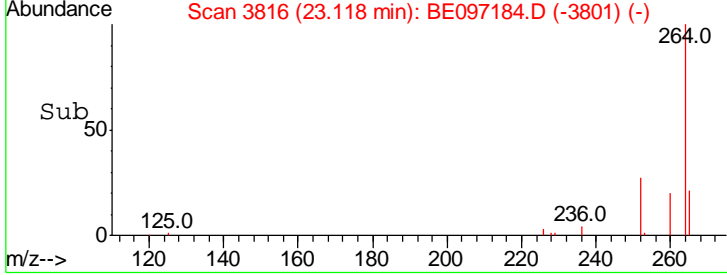
Instrument :  
 BNA\_E  
 ClientSampled :  
 JJ1K2



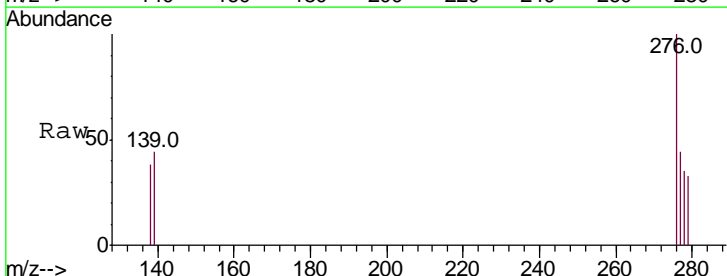
Tgt Ion: 252 Resp: 8399

Ion	Ratio	Lower	Upper
252	100		
253	42.4	28.5	42.7
125	58.0	18.1	27.1#

Manual Integrations  
 APPROVED  
 Sohil  
 8/6/2018 4:32:26 PM

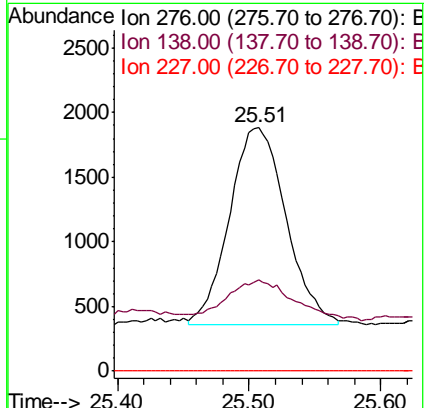
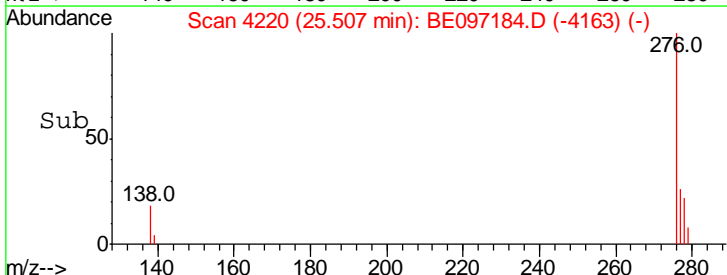


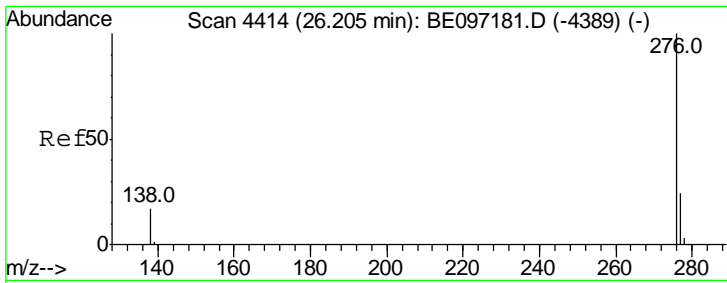
#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.109 ng/ul m  
 RT: 25.51 min Scan# 4220  
 Delta R.T. 0.00 min  
 Lab File: BE097184.D  
 Acq: 3 Aug 2018 18:00



Tgt Ion: 276 Resp: 4579

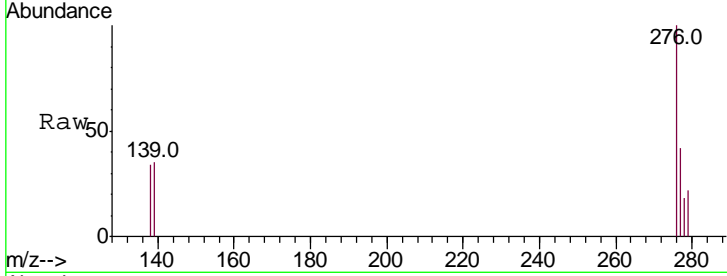
Ion	Ratio	Lower	Upper
276	100		
138	2.3	28.0	42.0#
227	0.0	8.0	12.0#





#26  
 Benzo(a,h,i)perylene  
 Concen: 0.136 ng/ul m  
 RT: 26.21 min Scan# 4416  
 Delta R.T. 0.00 min  
 Lab File: BE097184.D  
 Acq: 3 Aug 2018 18:00

**Instrument :**  
 BNA\_E  
**ClientSampled :**  
 JJ1K2



Tot Ion: 276 Resp: 4938

Ion	Ratio	Lower	Upper
276	100		
138	33.9	21.8	32.8#
277	42.0	20.5	30.7#

**Manual Integrations**  
**APPROVED**  
 Sohil  
 8/6/2018 4:32:26 PM

