

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110317\
 Data File : BE094727.D
 Acq On : 4 Nov 2017 2:50
 Operator : SJ/JU
 Sample : I5976-01 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-20(3.5-4)-101817

Manual Integrations
 APPROVED

Sohil
 11/4/2017 2:16:58 PM

Quant Time: Nov 04 03:23:57 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 04 02:38:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1621	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	9747	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	5531	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	12315	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	12437	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	13516	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	769	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	2081	0.06	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.74	128	2943	0.123	ng/ul#	95
5) 2-Methylnaphthalene	12.35	142	1169	0.070	ng/ul	100
8) Acenaphthene	14.57	153	1944	0.108	ng/ul	96
9) Fluorene	15.56	166	2880	0.143	ng/ul	94
12) Phenanthrene	17.29	178	37195	1.143	ng/ul#	92
13) Anthracene	17.38	178	9866	0.307	ng/ul#	94
15) Fluoranthene	19.31	202	35940	0.956	ng/ul	84
17) Pyrene	19.67	202	31309	0.814	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	13241	0.372	ng/ul#	88
19) Chrysene	21.46	228	11276	0.307	ng/ul	93
21) Benzo(b)fluoranthene	23.18	252	12221m	0.321	ng/ul	
22) Benzo(k)fluoranthene	23.22	252	4874m	0.120	ng/ul	
23) Benzo(a)pyrene	23.84	252	9946	0.262	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	26.66	276	5797	0.147	ng/ul#	73
25) Dibenzo(a,h)anthracene	26.65	278	1165	0.035	ng/ul#	39
26) Benzo(g,h,i)perylene	27.50	276	7676	0.243	ng/ul#	86

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

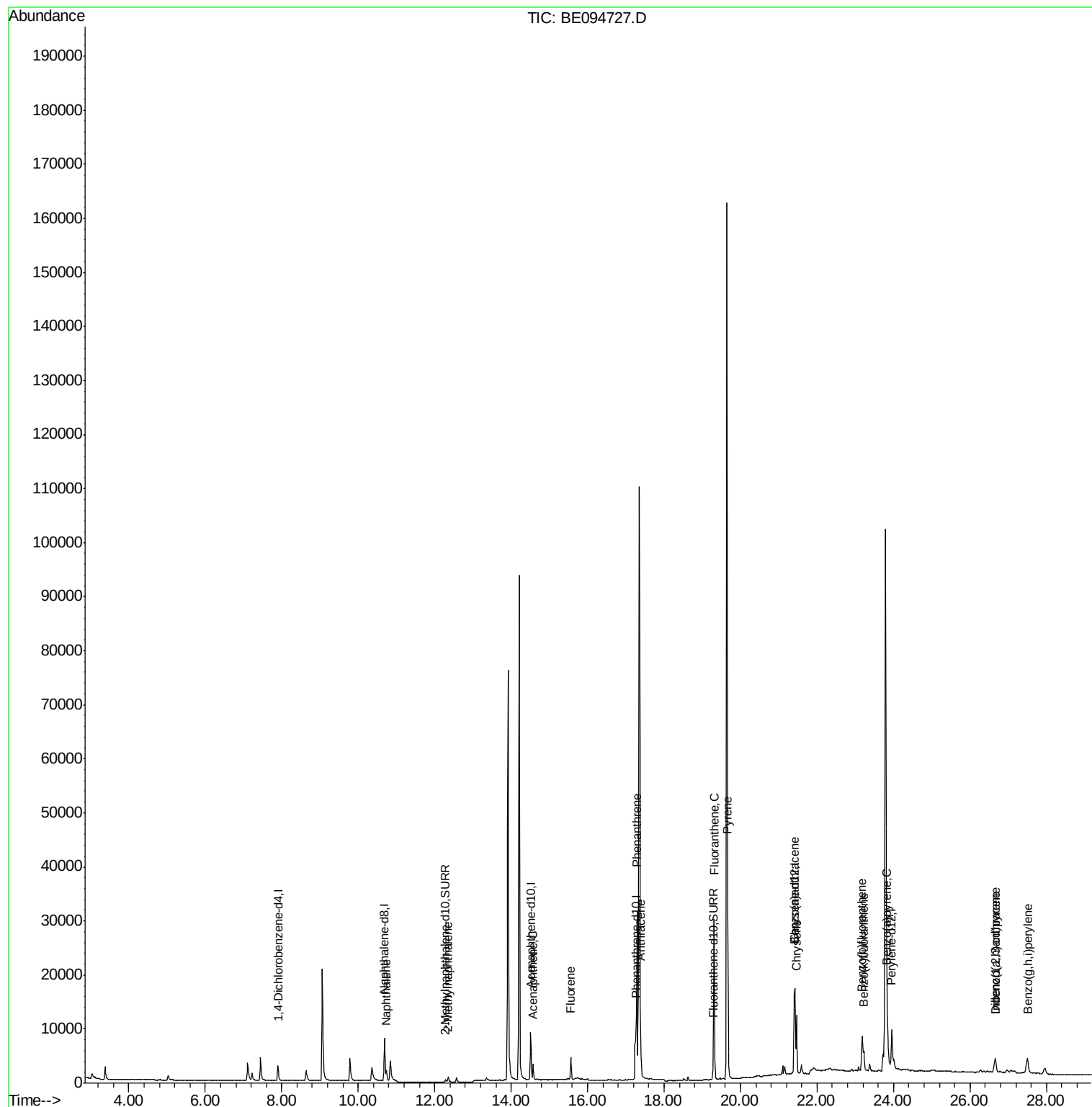
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110317\
Data File : BE094727.D
Acq On : 4 Nov 2017 2:50
Operator : SJ/JU
Sample : I5976-01 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

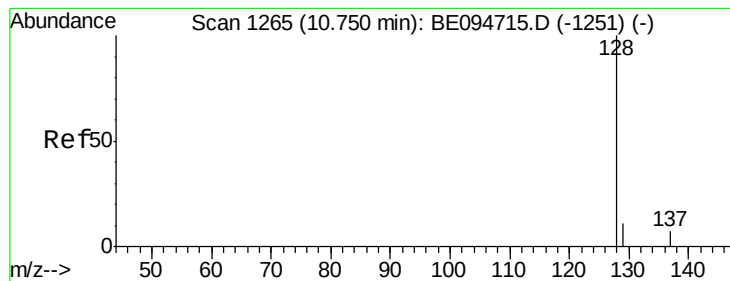
Instrument :
BNA_E
ClientSampleId :
B-20(3.5-4)-101817

Manual Integrations
APPROVED

Sohil
11/4/2017 2:16:58 PM

Quant Time: Nov 04 03:23:57 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 04 02:38:13 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.123 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

Instrument :

BNA_E

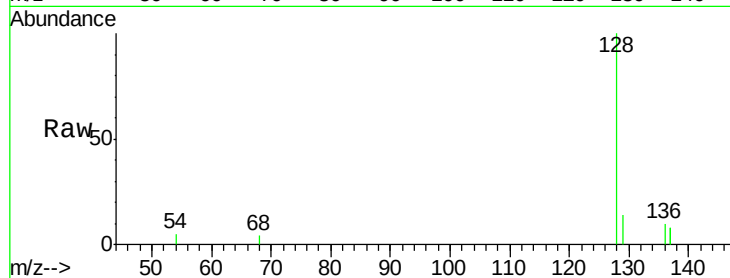
ClientSampleId :

B-20(3.5-4)-101817

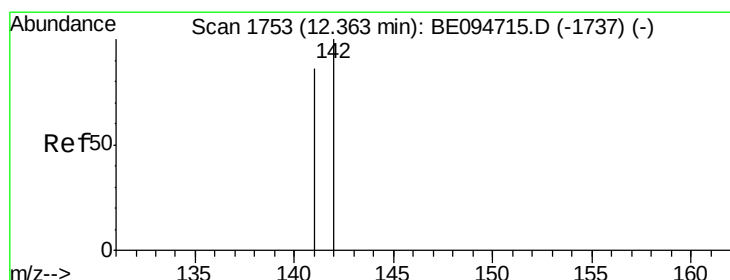
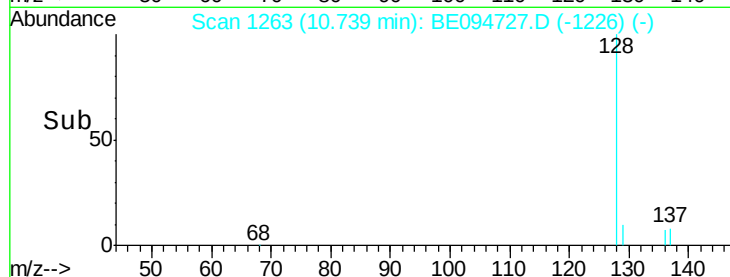
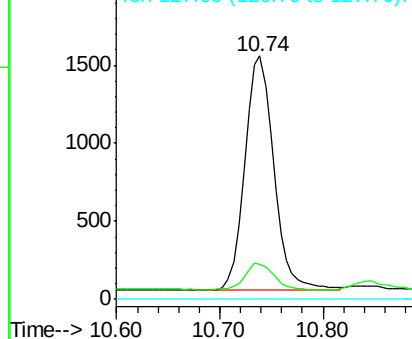
Tgt Ion:	128	Resp:	2943
Ion Ratio	Lower	Upper	
128	100		
129	14.5	11.3	16.9
127	0.0	4.0	6.0#

Manual Integrations
APPROVED

Sohil
11/4/2017 2:16:58 PM



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.070 ng/ul

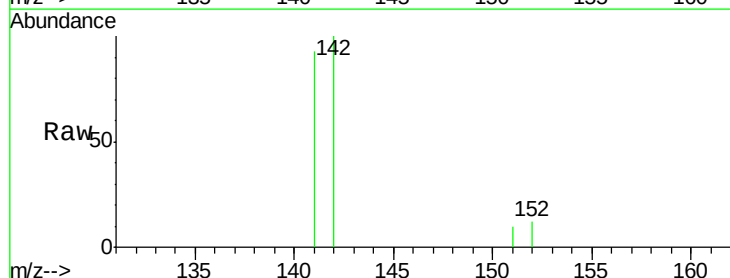
RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

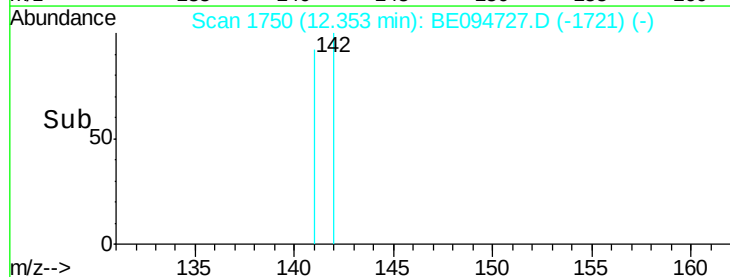
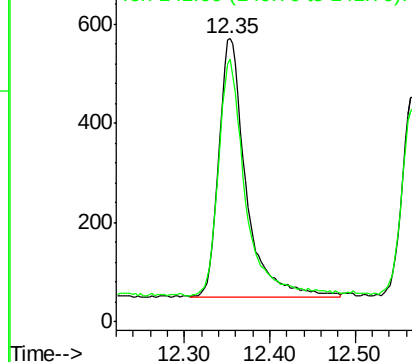
Lab File: BE094727.D

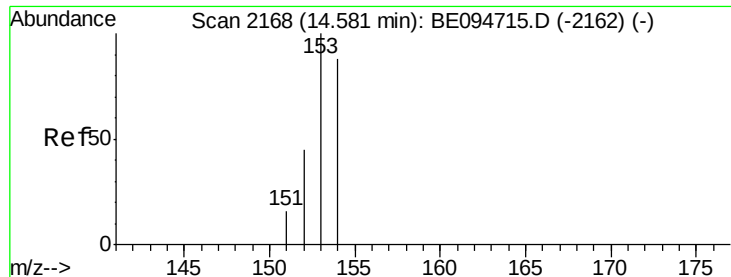
Acq: 4 Nov 2017 2:50

Tgt Ion:	142	Resp:	1169
Ion Ratio	Lower	Upper	
142	100		
141	90.7	72.6	108.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.108 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

Instrument :

BNA_E

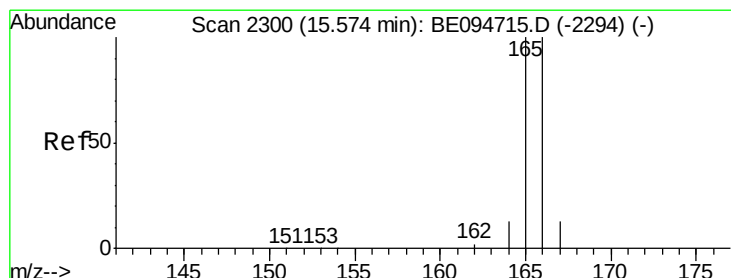
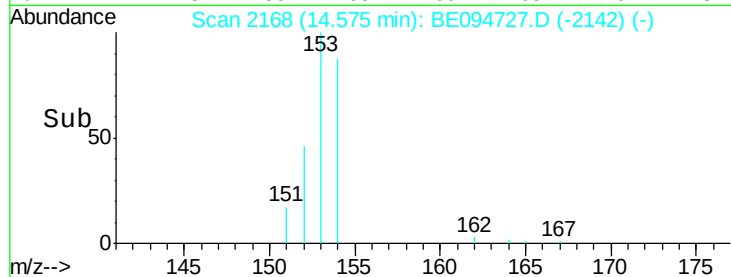
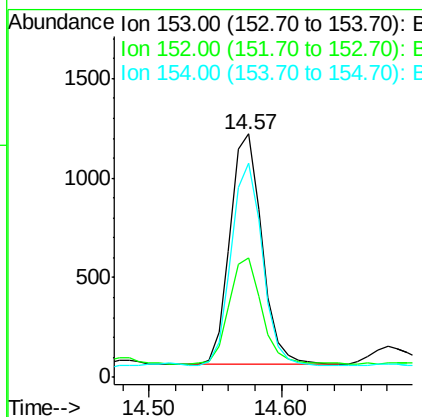
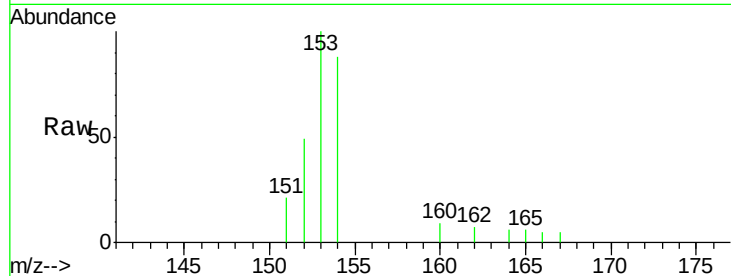
ClientSampleId :

B-20(3.5-4)-101817

Tgt Ion:	153	Resp:	1944
Ion	Ratio	Lower	Upper
153	100		
152	48.9	36.0	54.0
154	87.8	72.0	108.0

Manual Integrations
APPROVED

Sohil
11/4/2017 2:16:58 PM



#9

Fluorene

Concen: 0.143 ng/ul

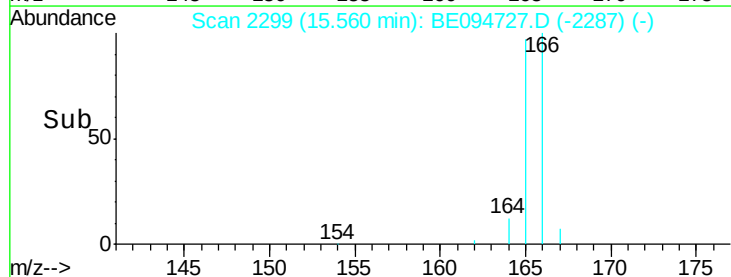
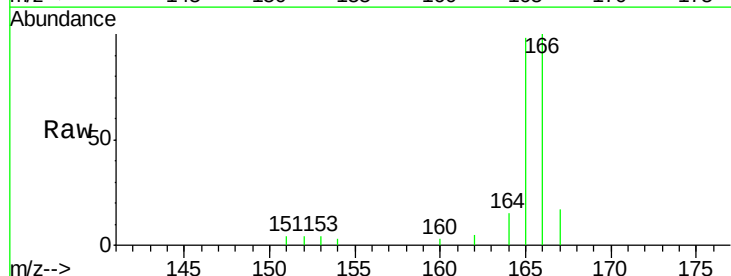
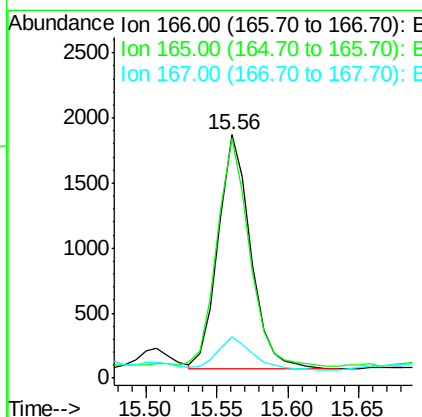
RT: 15.56 min Scan# 2299

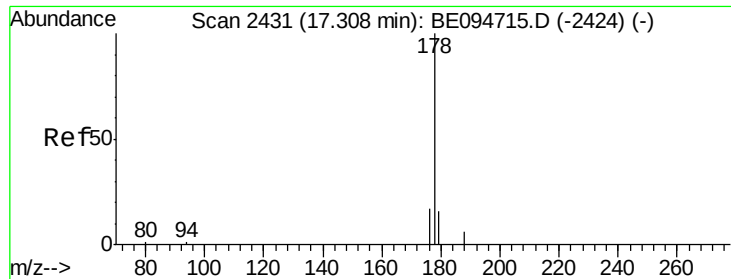
Delta R.T. -0.01 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

Tgt Ion:	166	Resp:	2880
Ion	Ratio	Lower	Upper
166	100		
165	98.5	73.4	110.2
167	16.8	14.6	22.0





#12

Phenanthrene

Concen: 1.143 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

Instrument :

BNA_E

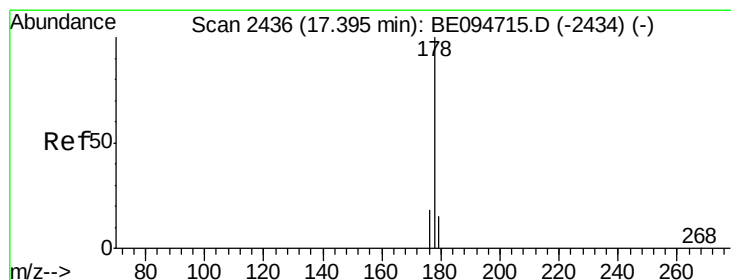
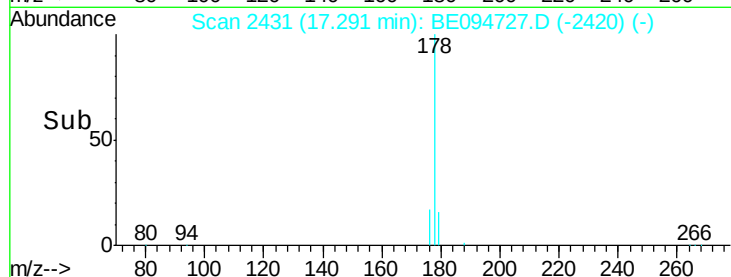
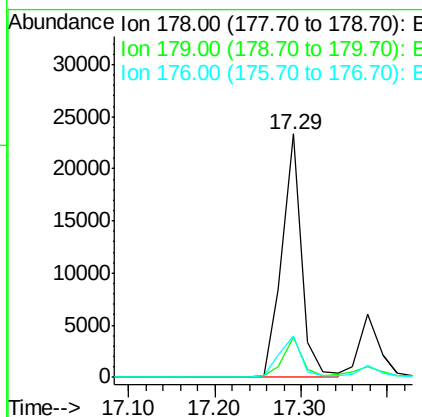
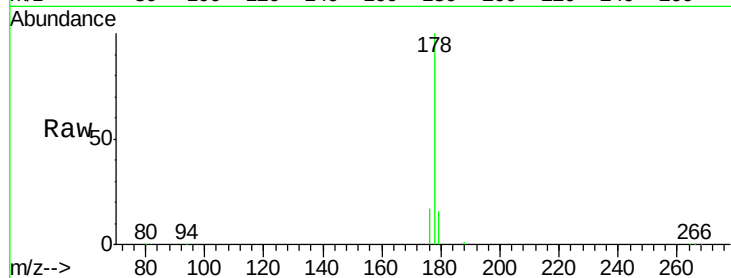
ClientSampleId :

B-20(3.5-4)-101817

Tgt Ion:	178	Resp:	37195
Ion Ratio	Lower	Upper	
178	100		
179	16.5	18.4	27.6#
176	17.0	13.6	20.4

Manual Integrations
APPROVED

Sohil
11/4/2017 2:16:58 PM



#13

Anthracene

Concen: 0.307 ng/ul

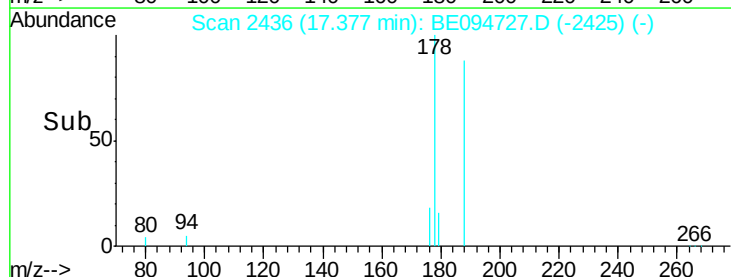
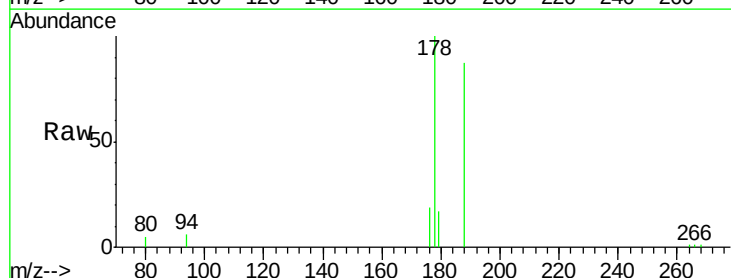
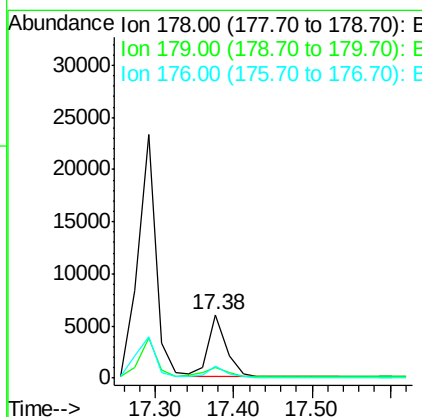
RT: 17.38 min Scan# 2436

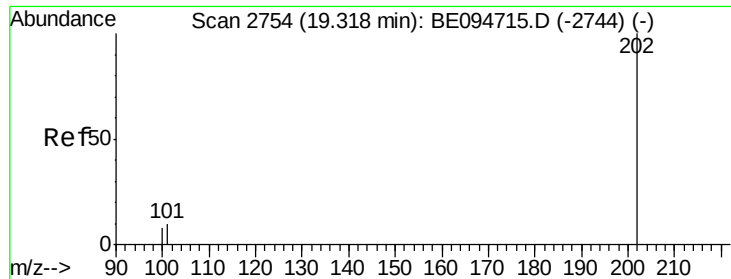
Delta R.T. -0.02 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

Tgt Ion:	178	Resp:	9866
Ion Ratio	Lower	Upper	
178	100		
179	17.3	18.1	27.1#
176	18.7	14.7	22.1





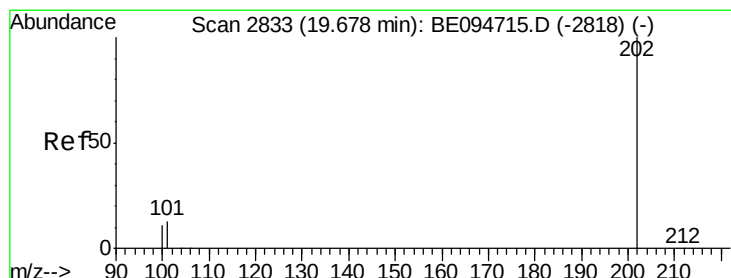
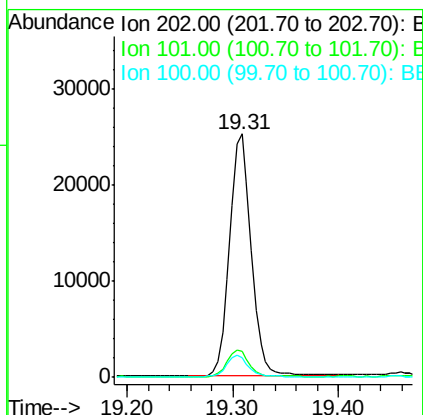
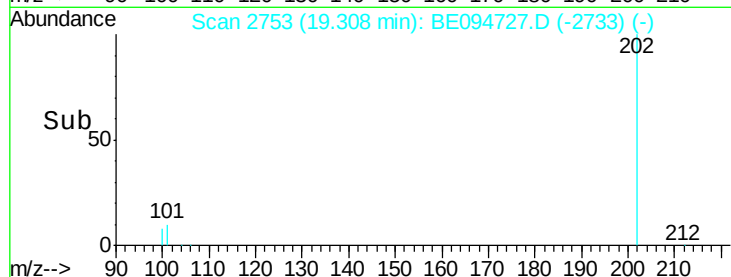
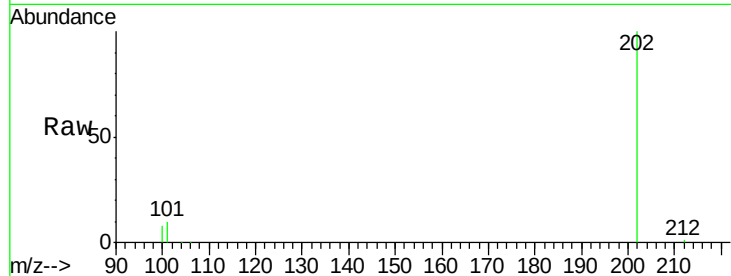
#15
Fluoranthene
 Concen: 0.956 ng/ul
 RT: 19.31 min Scan# 2753
 Delta R.T. -0.01 min
 Lab File: BE094727.D
 Acq: 4 Nov 2017 2:50

Instrument :
 BNA_E
 ClientSampleId :
 B-20(3.5-4)-101817

Tgt	Ion	202	Resp:	35940
Ion	Ratio	Lower	Upper	
202	100			
101	10.5	0.0	30.3	
100	8.3	0.0	39.5	

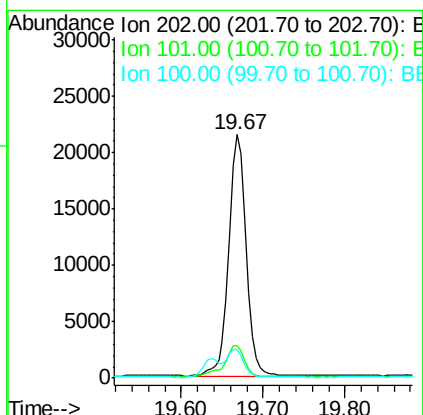
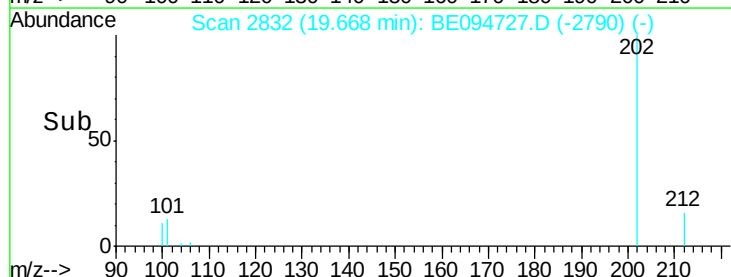
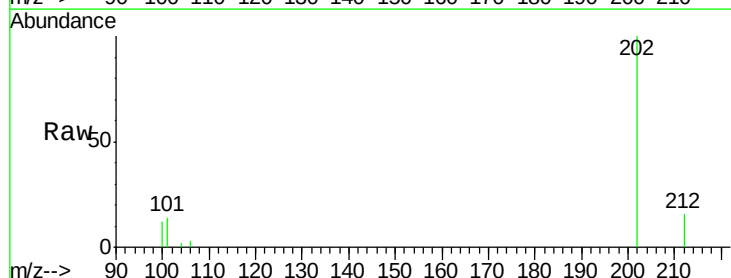
Manual Integrations
 APPROVED

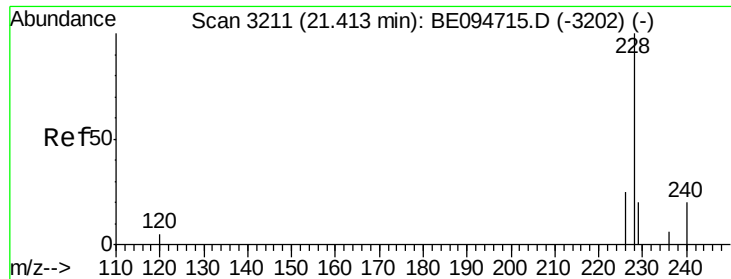
Sohil
 11/4/2017 2:16:58 PM



#17
Pyrene
 Concen: 0.814 ng/ul
 RT: 19.67 min Scan# 2832
 Delta R.T. -0.01 min
 Lab File: BE094727.D
 Acq: 4 Nov 2017 2:50

Tgt	Ion	202	Resp:	31309
Ion	Ratio	Lower	Upper	
202	100			
101	13.5	18.2	27.4#	
100	11.6	15.6	23.4#	





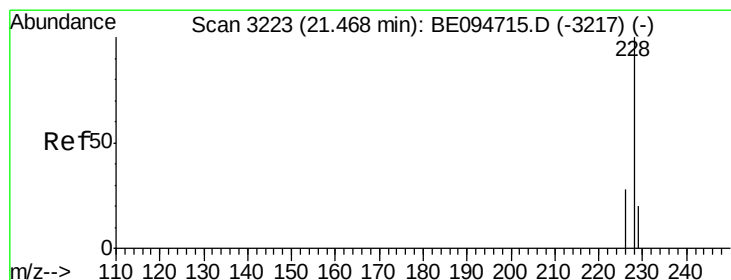
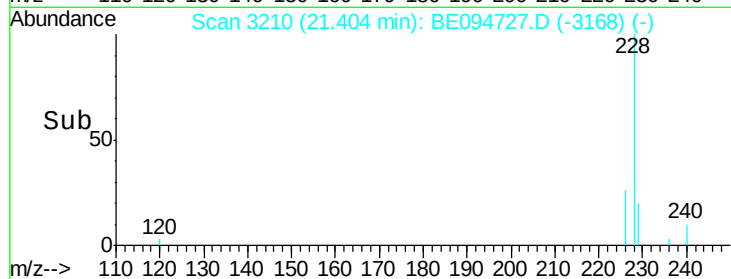
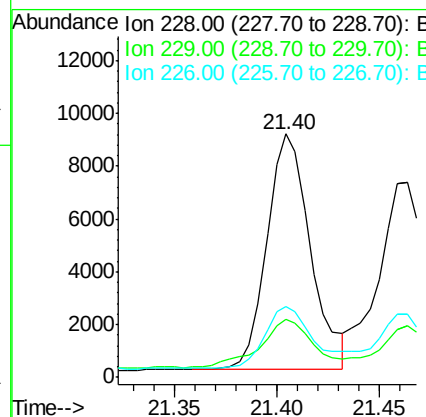
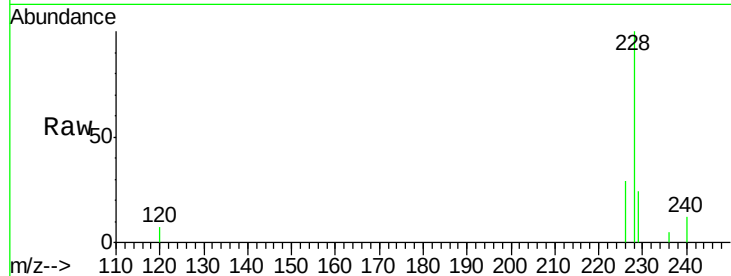
#18
Benzo(a)anthracene
Concen: 0.372 ng/ul
RT: 21.40 min Scan# 3210
Delta R.T. -0.01 min
Lab File: BE094727.D
Acq: 4 Nov 2017 2:50

Instrument :
BNA_E
ClientSampleId :
B-20(3.5-4)-101817

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.7	22.8	34.2
226	29.2	17.0	25.6

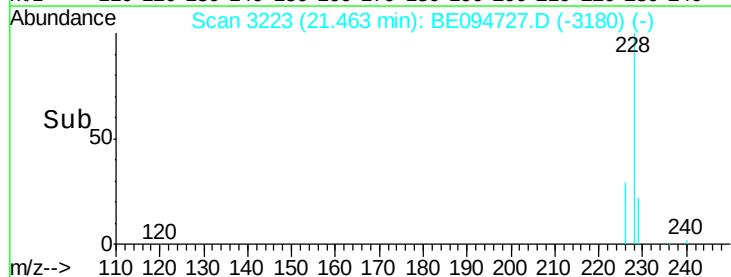
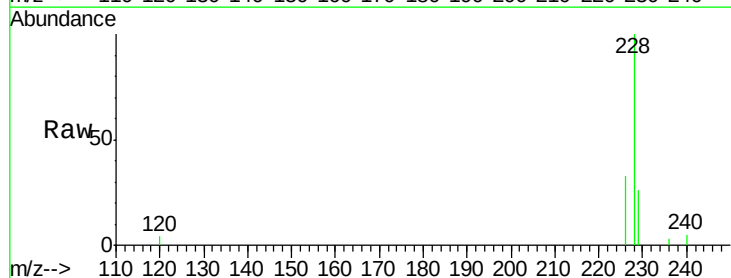
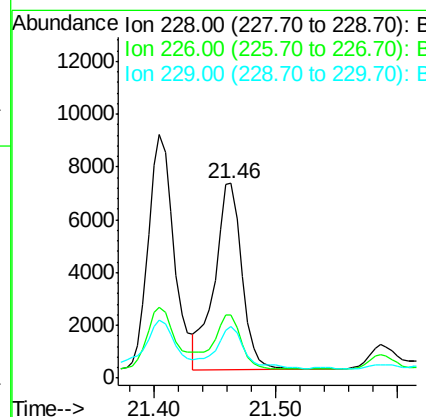
Manual Integrations
APPROVED

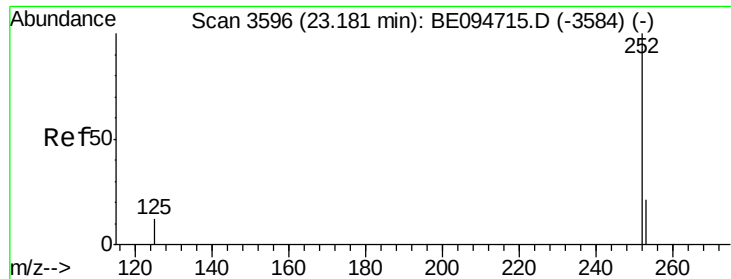
Sohil
11/4/2017 2:16:58 PM



#19
Chrysene
Concen: 0.307 ng/ul
RT: 21.46 min Scan# 3223
Delta R.T. -0.00 min
Lab File: BE094727.D
Acq: 4 Nov 2017 2:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	23.4	35.0
229	26.2	17.7	26.5





#21

Benzo(b)fluoranthene

Concen: 0.321 ng/ul m

RT: 23.18 min Scan# 3597

Delta R.T. -0.00 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

Instrument :

BNA_E

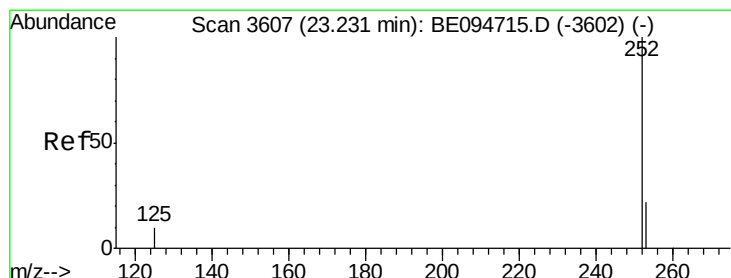
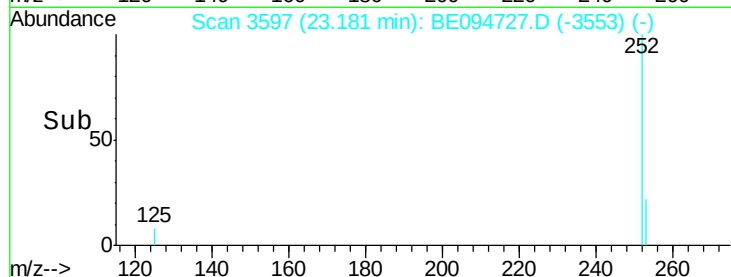
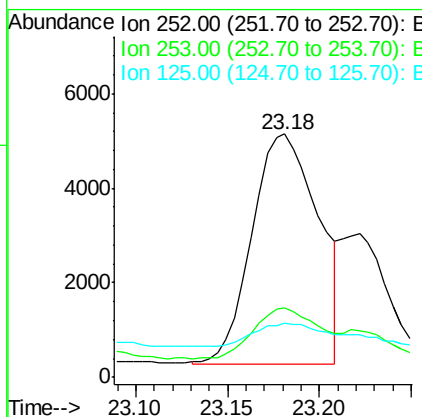
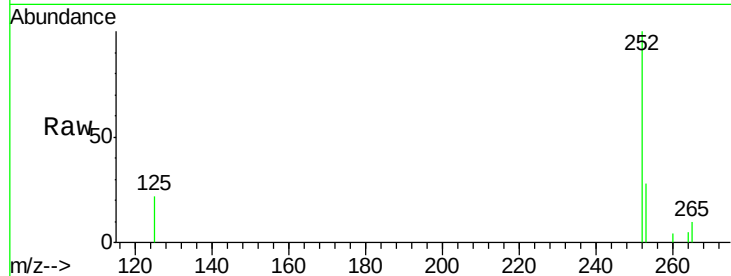
ClientSampleId :

B-20(3.5-4)-101817

Tgt Ion:	252	Resp:	12221
Ion Ratio	Lower	Upper	
252	100		
253	28.4	0.0	64.2
125	22.0	0.0	35.0

Manual Integrations
APPROVED

Sohil
11/4/2017 2:16:58 PM



#22

Benzo(k)fluoranthene

Concen: 0.120 ng/ul m

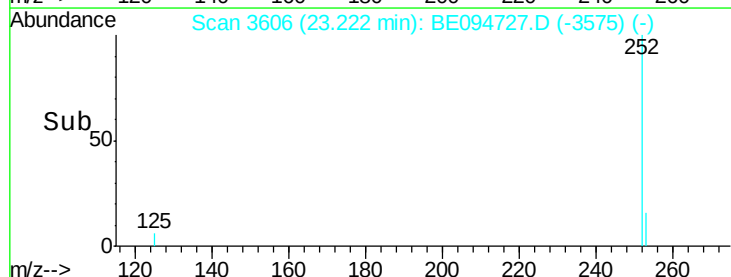
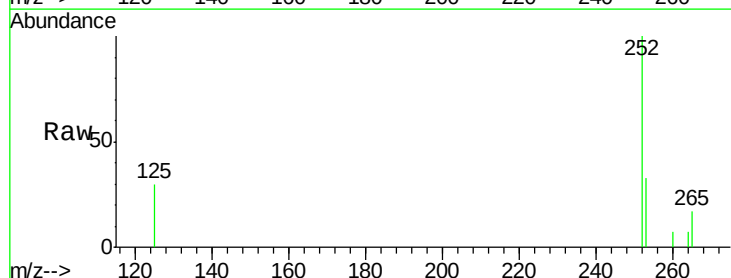
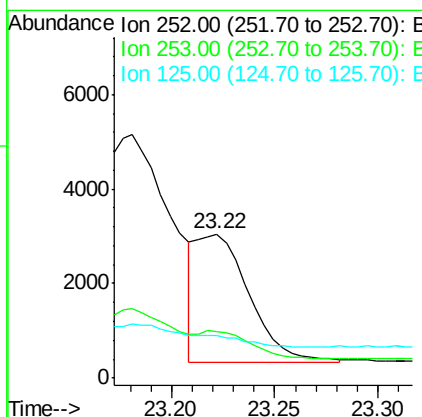
RT: 23.22 min Scan# 3606

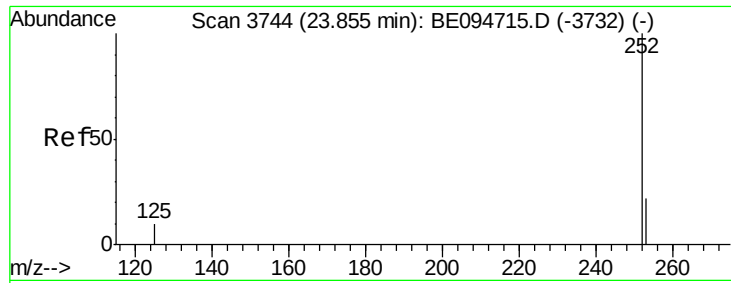
Delta R.T. -0.01 min

Lab File: BE094727.D

Acq: 4 Nov 2017 2:50

Tgt Ion:	252	Resp:	4874
Ion Ratio	Lower	Upper	
252	100		
253	32.7	24.5	36.7
125	30.0	13.7	20.5#





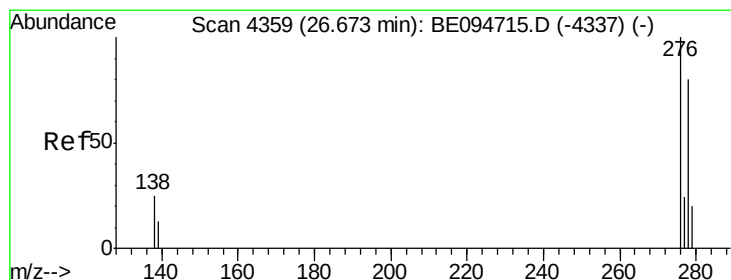
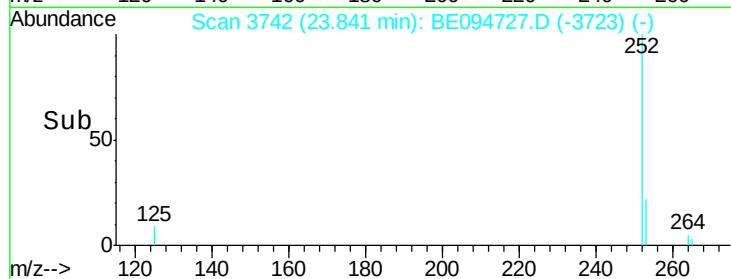
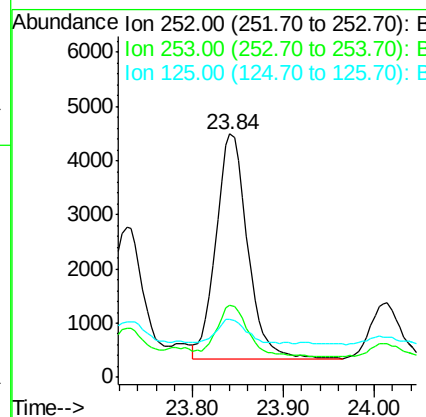
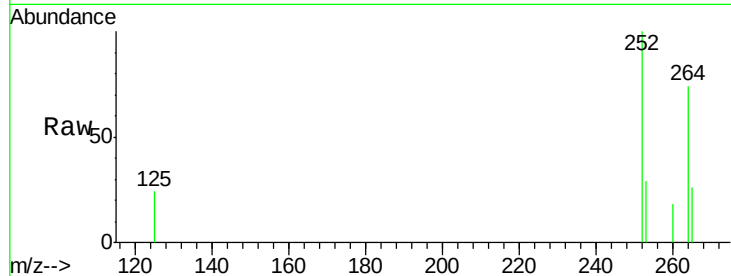
#23
Benzo(a)pyrene
Concen: 0.262 ng/ul
RT: 23.84 min Scan# 3742
Delta R.T. -0.01 min
Lab File: BE094727.D
Acq: 4 Nov 2017 2:50

Instrument :
BNA_E
ClientSampleId :
B-20(3.5-4)-101817

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.5	28.5	42.7
125	23.7	18.1	27.1

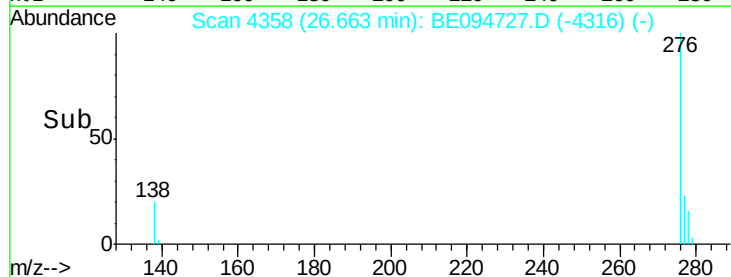
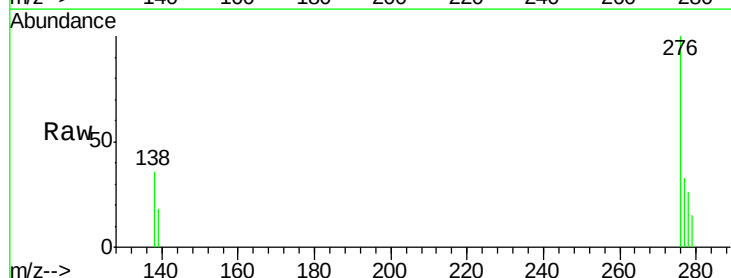
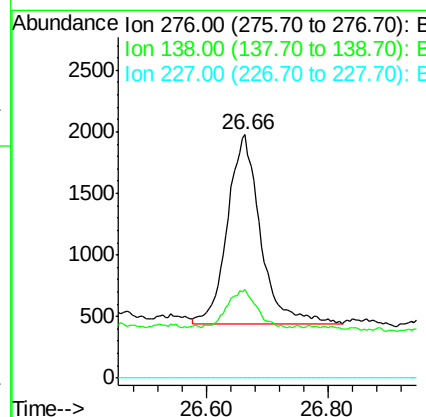
Manual Integrations
APPROVED

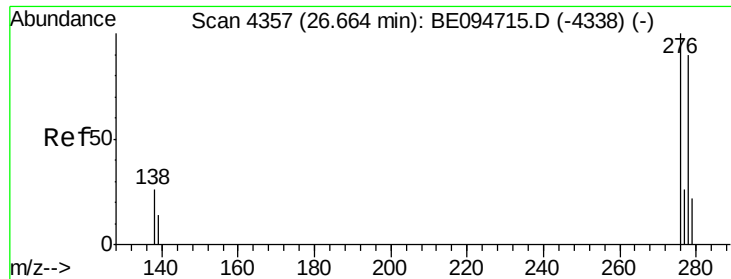
Sohil
11/4/2017 2:16:58 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.147 ng/ul
RT: 26.66 min Scan# 4358
Delta R.T. -0.01 min
Lab File: BE094727.D
Acq: 4 Nov 2017 2:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	28.0	42.0#
227	0.0	8.0	12.0#





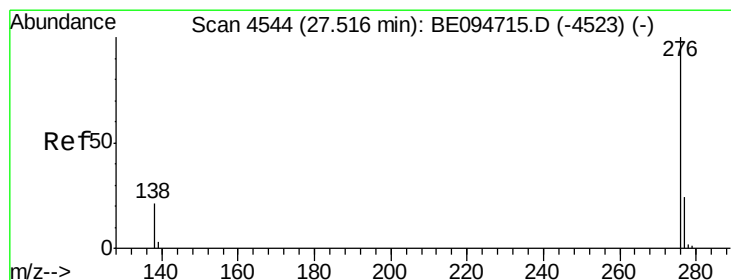
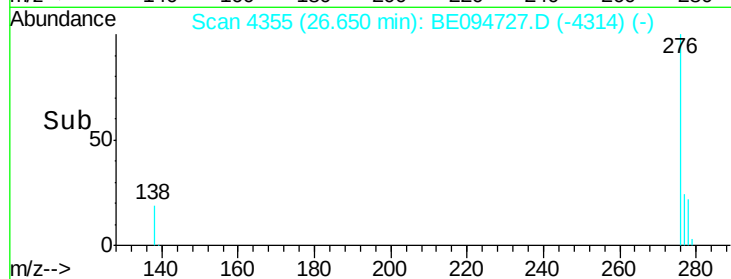
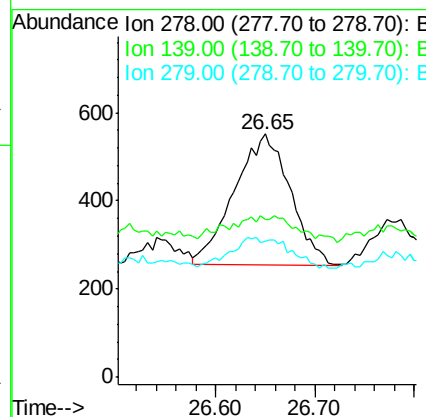
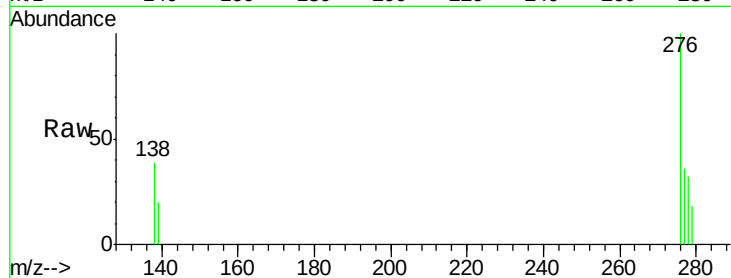
#25
Dibenzo(a,h)anthracene
Concen: 0.035 ng/ul
RT: 26.65 min Scan# 4355
Delta R.T. -0.01 min
Lab File: BE094727.D
Acq: 4 Nov 2017 2:50

Instrument :
BNA_E
ClientSampleId :
B-20(3.5-4)-101817

Tgt Ion	Ratio	Lower	Upper
278	100		
139	64.7	17.4	26.0#
279	55.6	25.9	38.9#

Manual Integrations
APPROVED

Sohil
11/4/2017 2:16:58 PM



#26
Benzo(g,h,i)perylene
Concen: 0.243 ng/ul
RT: 27.50 min Scan# 4542
Delta R.T. -0.01 min
Lab File: BE094727.D
Acq: 4 Nov 2017 2:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.5	21.8	32.8#
277	33.0	20.5	30.7#

