Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094401.D
Acq On : 15 Oct 2017 19:59
Operator : SJ/JU
Sample : I5548-22DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AE8DL

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:35 PM

Quant Time: Oct 16 08:07:48 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 07:45:00 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1975	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	10301	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5947	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	12668	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	12904	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	11948	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	731	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	1706	0.04	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.75	128	1536	0.061	ng/ul#	89
5) 2-Methylnaphthalene	12.36	142	1499	0.092	ng/ul	97
7) Acenaphthylene	14.25	152	2263	0.098	ng/ul#	92
8) Acenaphthene	14.59	153	1509	0.079	ng/ul	99
9) Fluorene	15.57	166	1941	0.087	ng/ul	90
12) Phenanthrene	17.31	178	41674	1.259	ng/ul	95
13) Anthracene	17.39	178	11206	0.348	ng/ul	96
15) Fluoranthene	19.32	202	110424	2.539	ng/ul	84
17) Pyrene	19.68	202	101565	2.829	ng/ul#	80
18) Benzo(a)anthracene	21.41	228	62793	1.834	ng/ul#	88
19) Chrysene	21.47	228	58879m	1.489	ng/ul	
21) Benzo(b)fluoranthene	23.19	252	87180m	2.686	ng/ul	
22) Benzo(k)fluoranthene	23.23	252	21752m	0.580	ng/ul	
23) Benzo(a)pyrene	23.85	252	57763	1.713	ng/ul	90
24) Indeno(1,2,3-cd)pyrene	26.65	276	40062	1.161	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.65	278	10153	0.351	ng/ul#	40
26) Benzo(g,h,i)perylene	27.50	276	40359	1.356	ng/ul#	88

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

Quantitation Report (QT Reviewed)

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Instrument :
BNA_E
ClientSampleId :
C0AE8DL

Manual Integrations APPROVED
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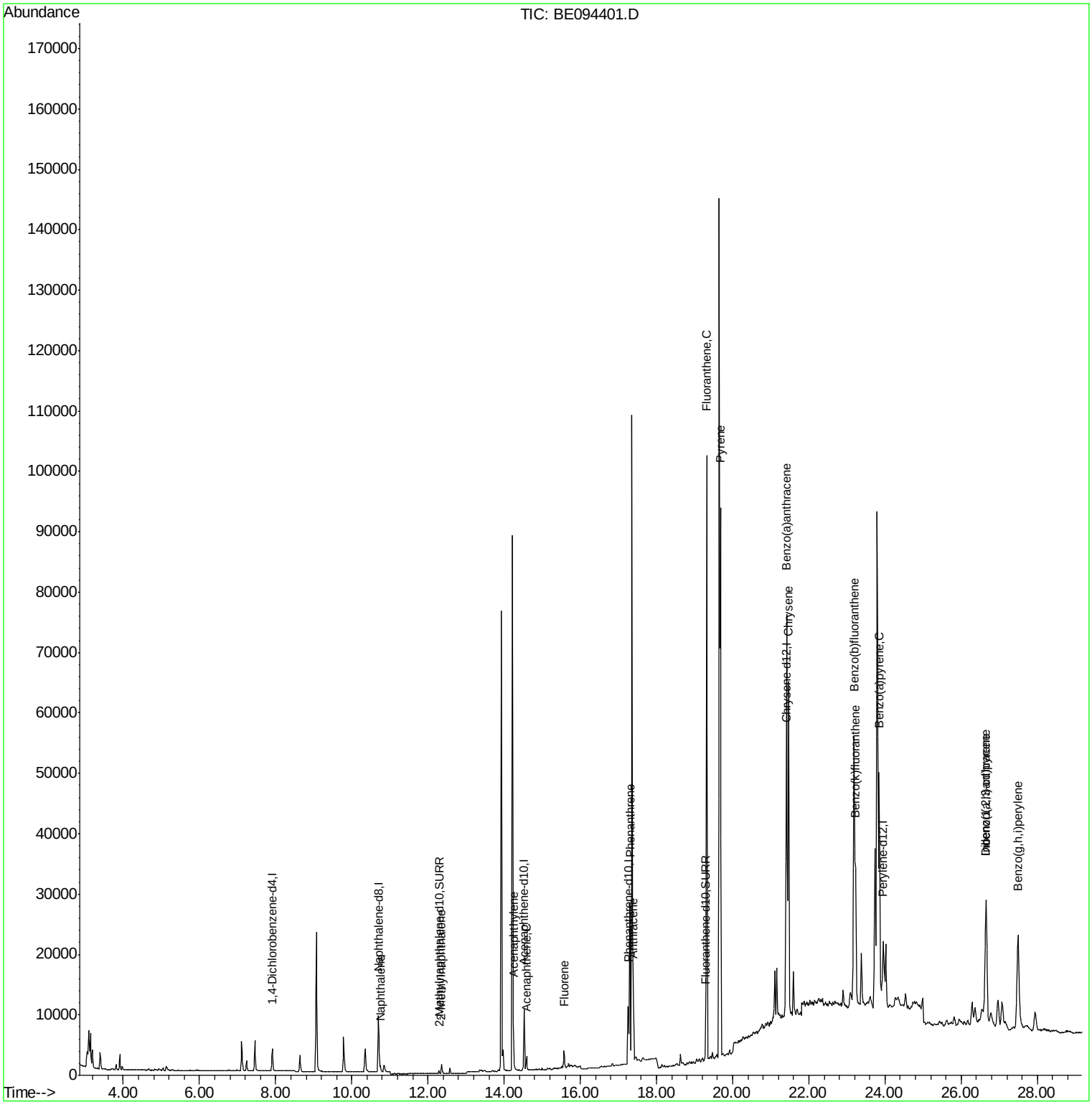

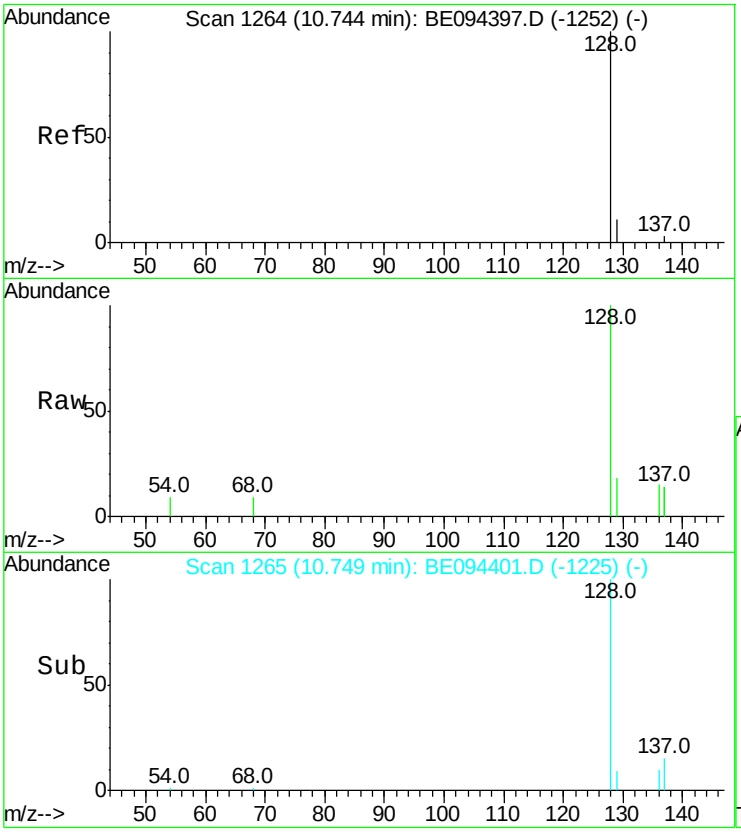

#3
Naphthalene
Concen: 0.061 ng/ul
RT: 10.75 min Scan# 1265
Delta R.T. 0.01 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:128 Resp: 1536

Ion	Ratio	Lower	Upper
128	100		
129	18.0	11.3	16.9#
127	0.0	4.0	6.0#

Instrument :
BNA_E
ClientSampleId :
C0AE8DL

Manual Integrations APPROVED
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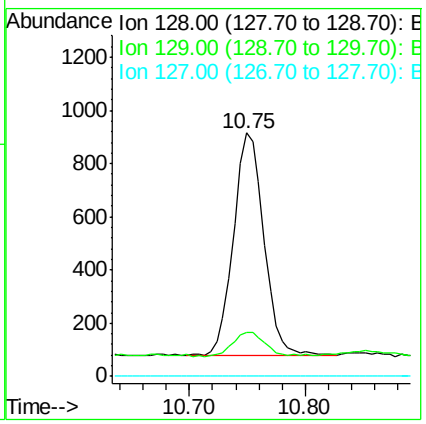
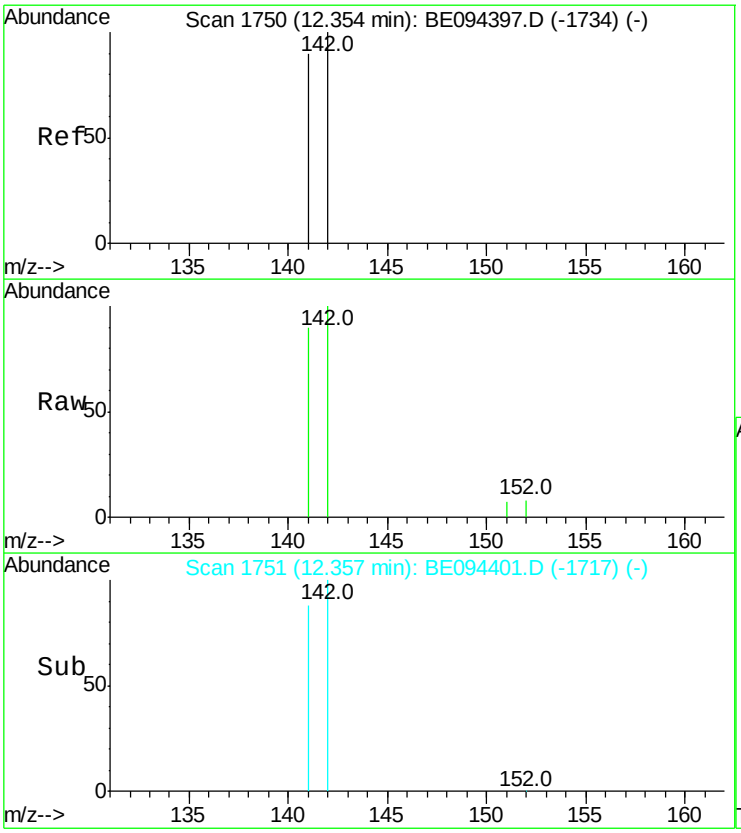
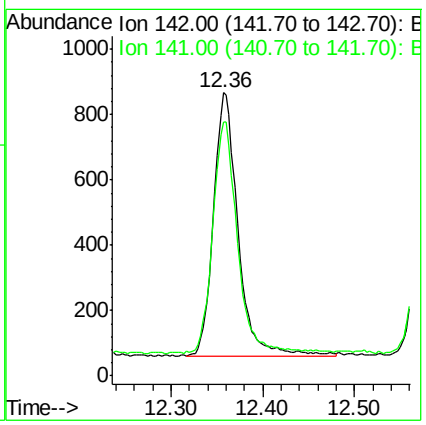


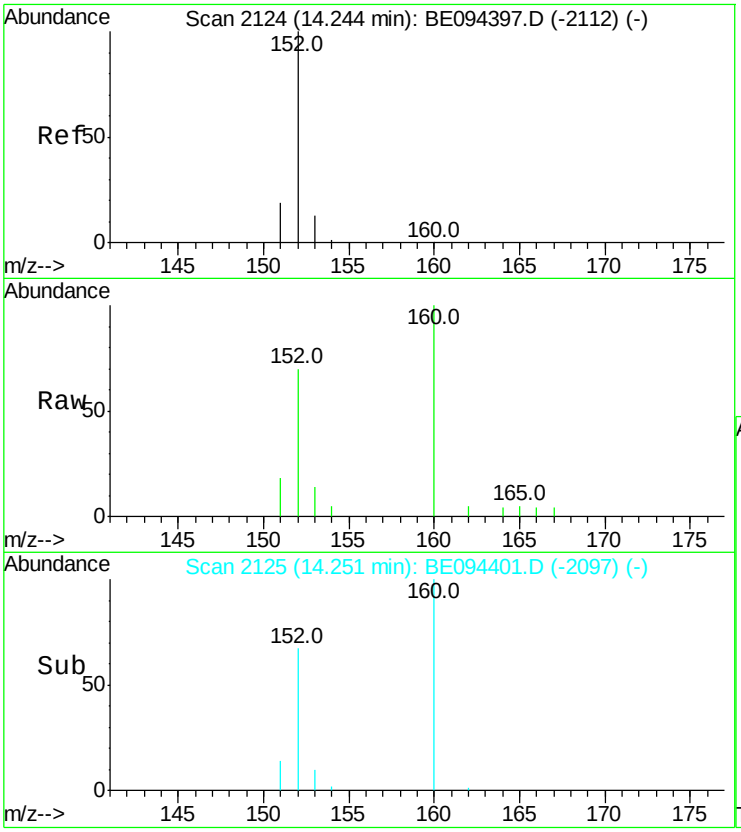


#5
2-Methylnaphthalene
Concen: 0.092 ng/ul
RT: 12.36 min Scan# 1751
Delta R.T. 0.00 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:142 Resp: 1499

Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.6	108.8

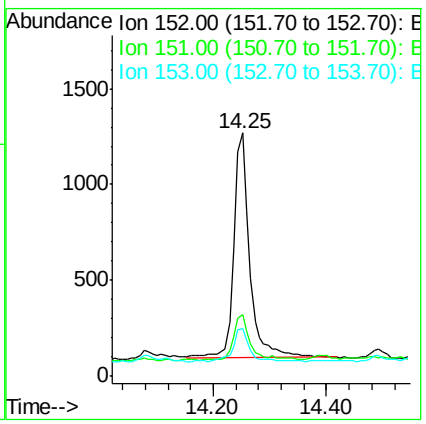




#7
Acenaphthylene
Concen: 0.098 ng/ul
RT: 14.25 min Scan# 2125
Delta R.T. 0.01 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:152 Resp: 2263

Ion	Ratio	Lower	Upper
152	100		
151	25.5	17.1	25.7
153	19.5	12.8	19.2#



Instrument :
BNA_E
ClientSampleId :
C0AE8DL

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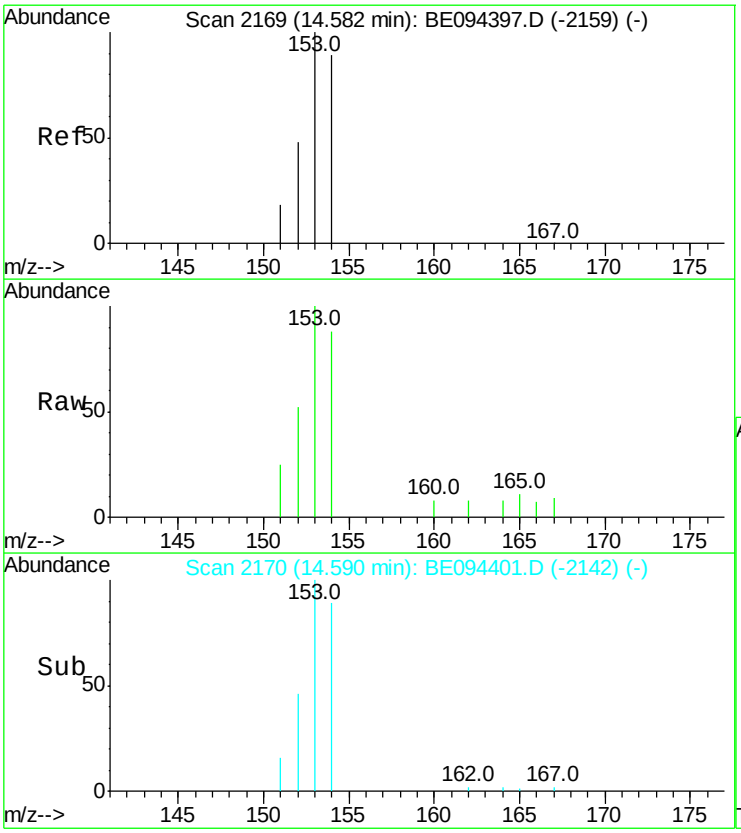
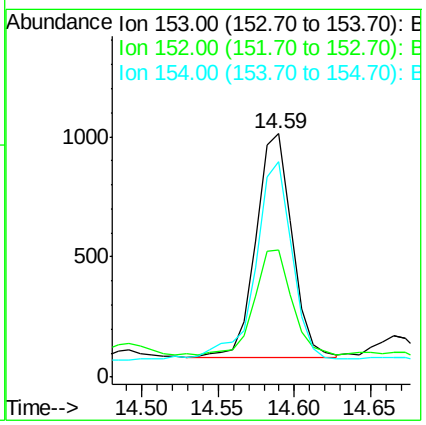
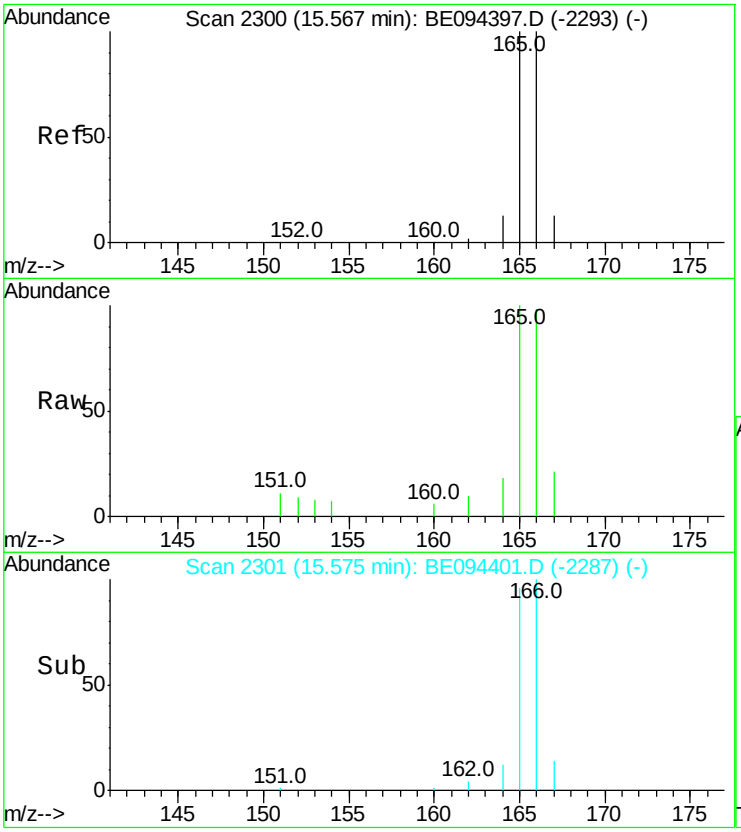


#8
Acenaphthene
Concen: 0.079 ng/ul
RT: 14.59 min Scan# 2170
Delta R.T. 0.01 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:153 Resp: 1509

Ion	Ratio	Lower	Upper
153	100		
152	52.0	40.3	60.5
154	88.4	71.4	107.2





#9
Fluorene
Concen: 0.087 ng/ul
RT: 15.57 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:166 Resp: 1941

Ion	Ratio	Lower	Upper
166	100		
165	101.8	73.4	110.2
167	21.0	14.6	22.0

Instrument :
BNA_E
ClientSampleId :
C0AE8DL

Manual Integrations APPROVED
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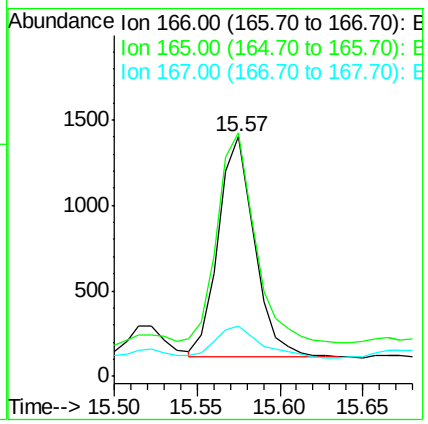
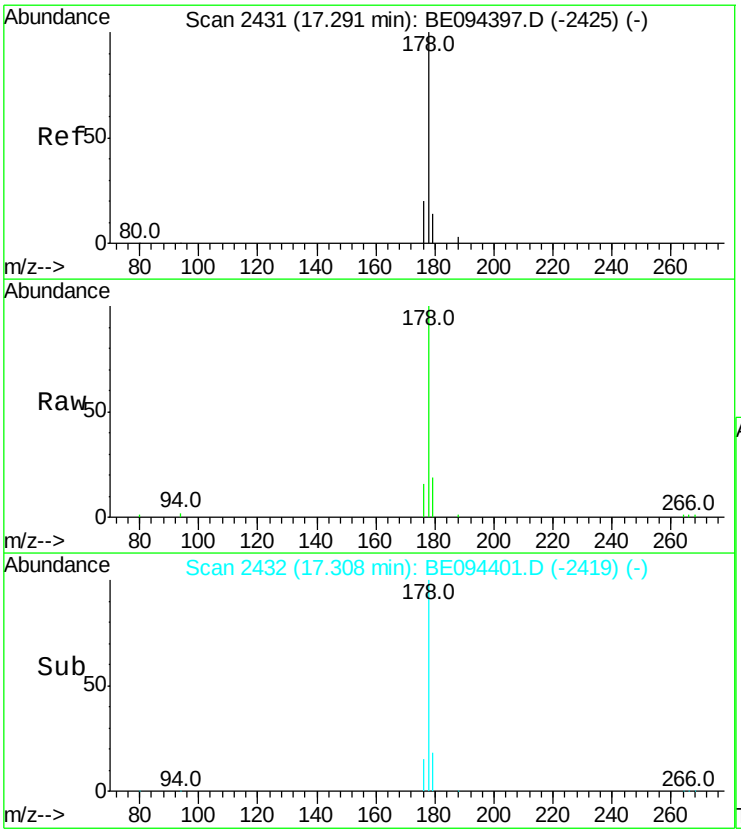
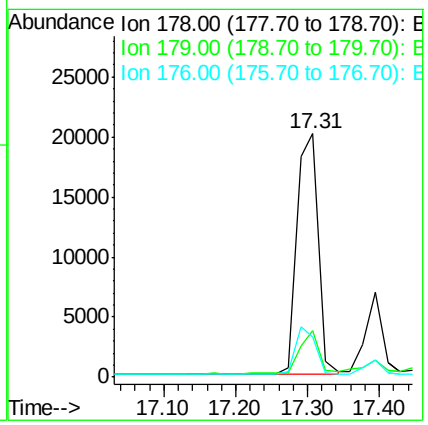


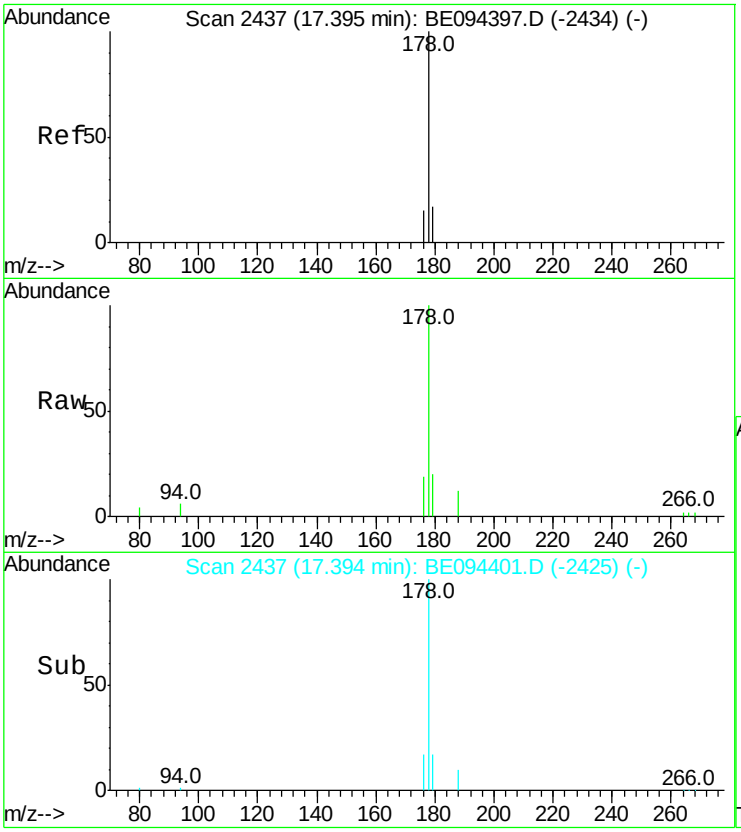


#12
Phenanthrene
Concen: 1.259 ng/ul
RT: 17.31 min Scan# 2432
Delta R.T. 0.02 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:178 Resp: 41674

Ion	Ratio	Lower	Upper
178	100		
179	19.2	18.4	27.6
176	16.2	13.6	20.4

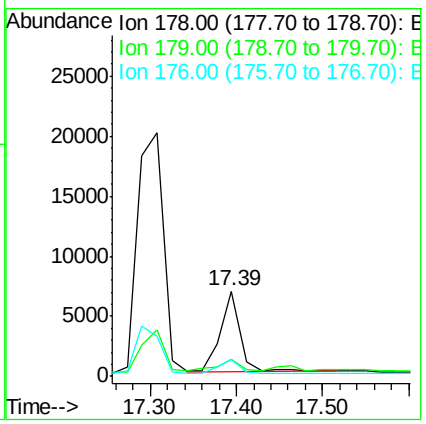




#13
Anthracene
Concen: 0.348 ng/ul
RT: 17.39 min Scan# 2437
Delta R.T. -0.00 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:178 Resp: 11206

Ion	Ratio	Lower	Upper
178	100		
179	20.3	18.1	27.1
176	19.4	14.7	22.1



Instrument :
BNA_E
ClientSampleId :
C0AE8DL

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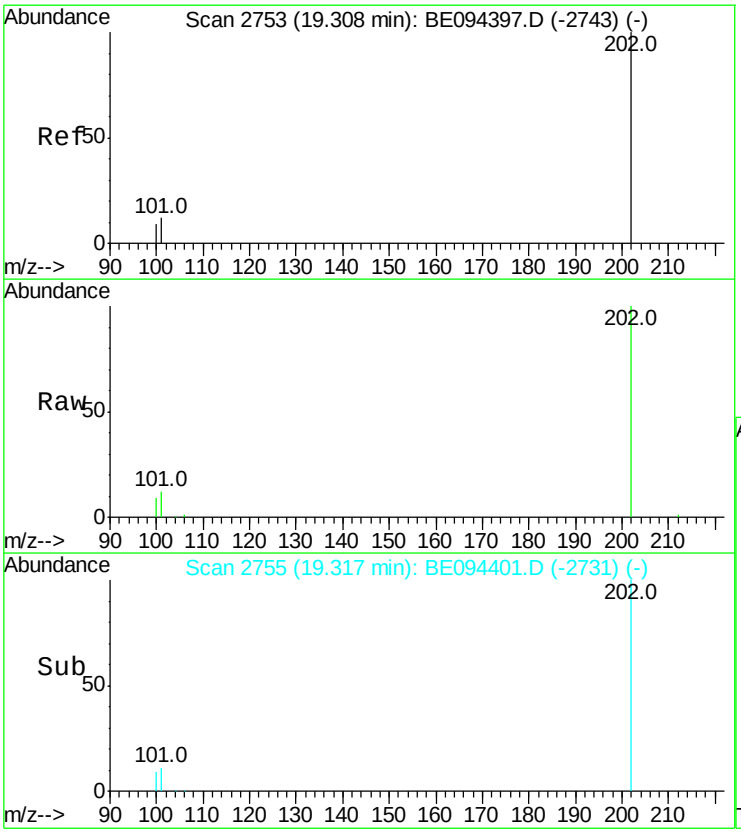
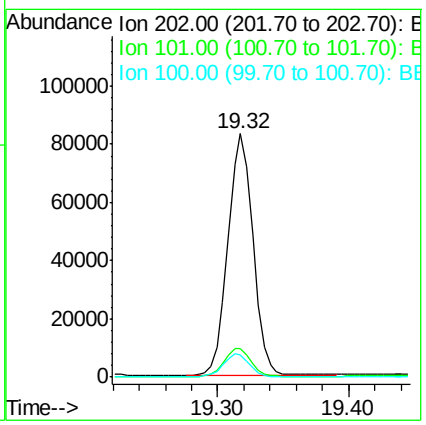
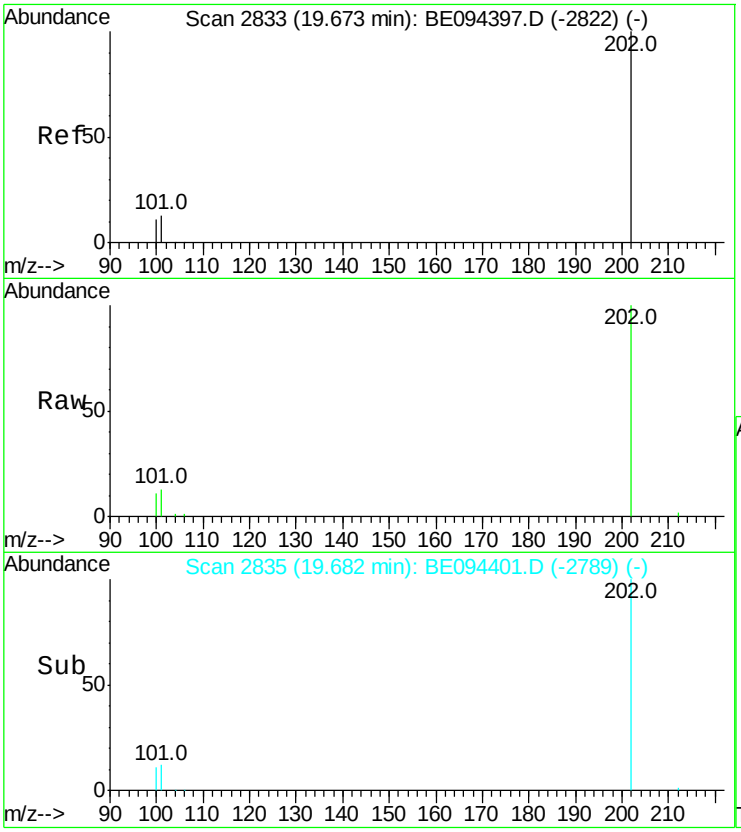


#15
Fluoranthene
Concen: 2.539 ng/ul
RT: 19.32 min Scan# 2755
Delta R.T. 0.01 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:202 Resp: 110424

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	30.3
100	9.3	0.0	39.5





#17
Pyrene
Concen: 2.829 ng/ul
RT: 19.68 min Scan# 2835
Delta R.T. 0.01 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:202 Resp: 101565

Ion	Ratio	Lower	Upper
202	100		
101	12.6	18.2	27.4#
100	10.7	15.6	23.4#

Instrument :
BNA_E
ClientSampleId :
C0AE8DL

Manual Integrations APPROVED
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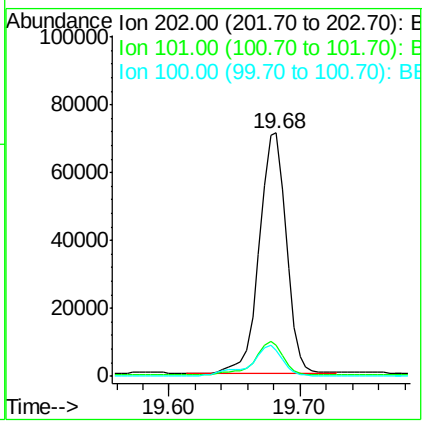
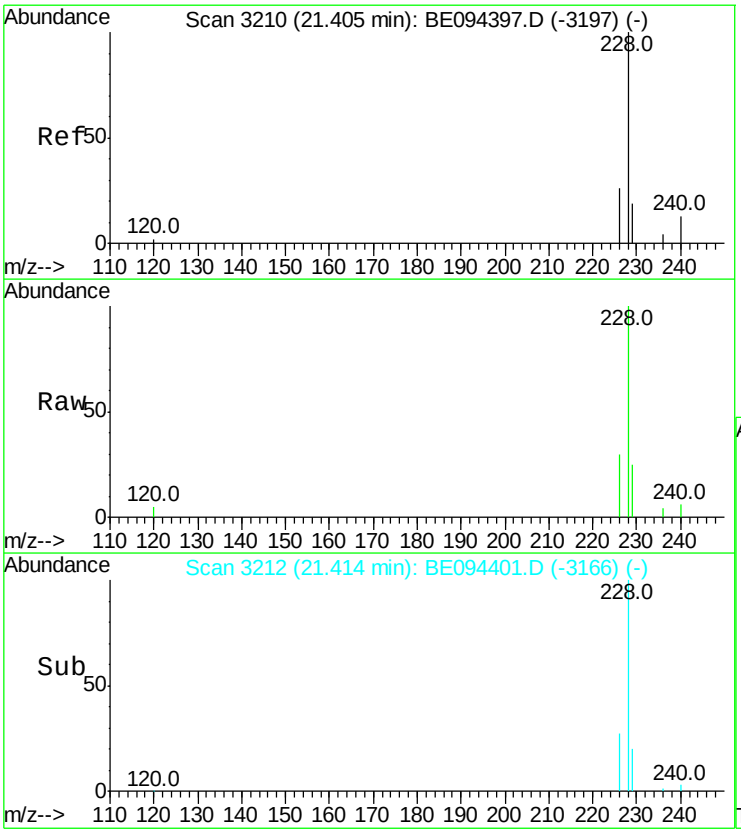
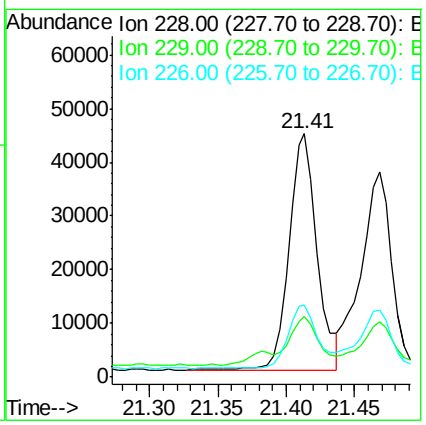


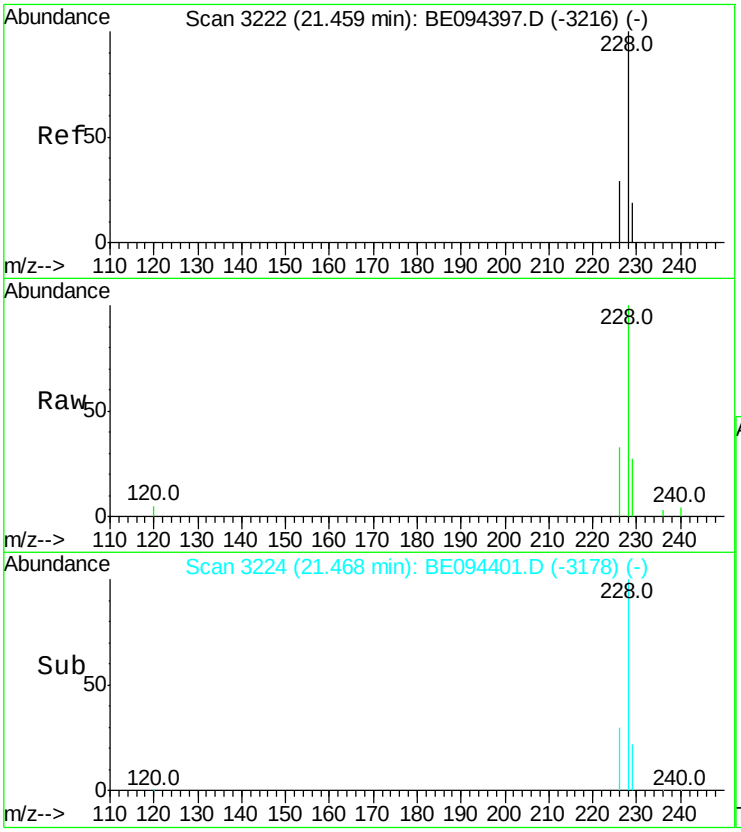


#18
Benzo(a)anthracene
Concen: 1.834 ng/ul
RT: 21.41 min Scan# 3212
Delta R.T. 0.01 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:228 Resp: 62793

Ion	Ratio	Lower	Upper
228	100		
229	24.8	22.8	34.2
226	29.6	17.0	25.6#





#19
Chrysene
Concen: 1.489 ng/ul m
RT: 21.47 min Scan# 3224
Delta R.T. 0.01 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:228 Resp: 58879

Ion	Ratio	Lower	Upper
228	100		
226	32.8	23.4	35.0
229	26.8	17.7	26.5#

Instrument :
BNA_E
ClientSampleId :
C0AE8DL

Manual Integrations APPROVED
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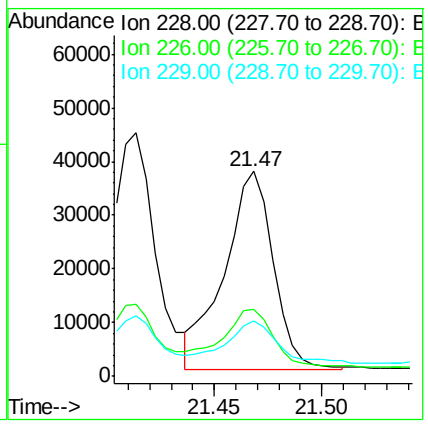
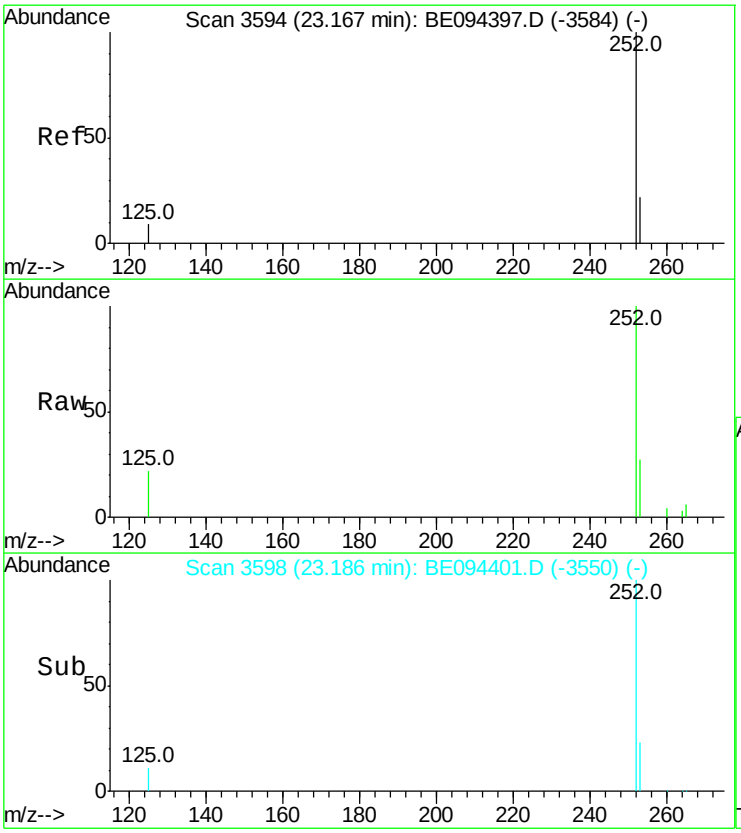
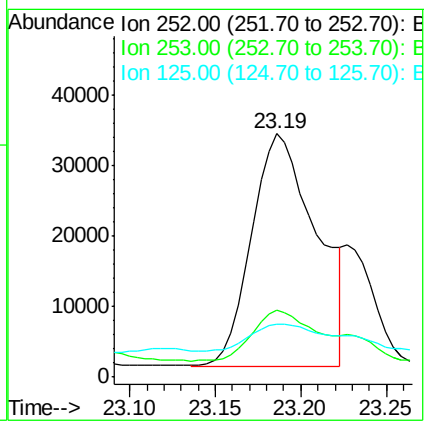


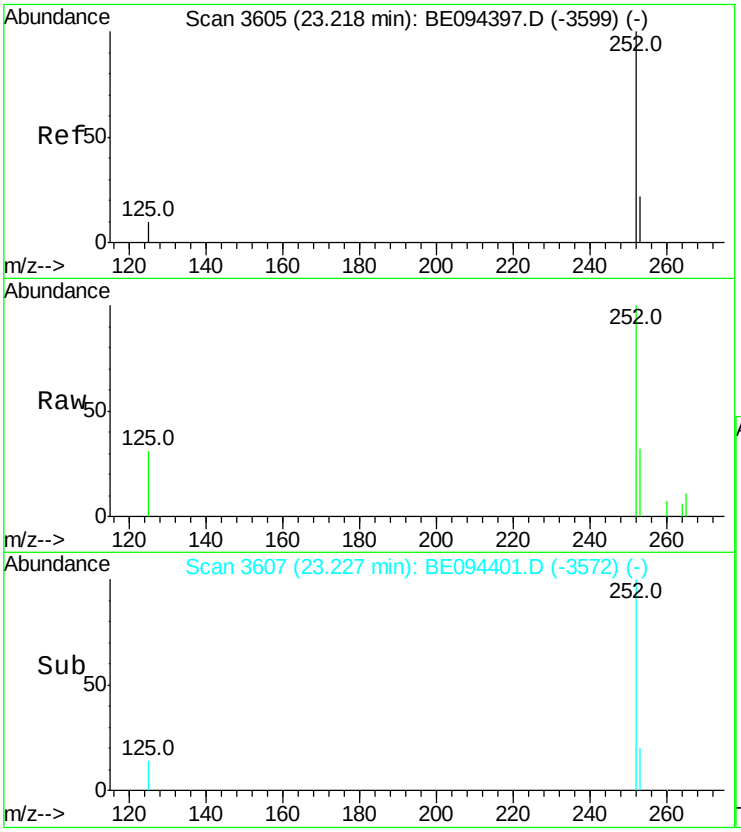


#21
Benzo(b)fluoranthene
Concen: 2.686 ng/ul m
RT: 23.19 min Scan# 3598
Delta R.T. 0.02 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:252 Resp: 87180

Ion	Ratio	Lower	Upper
252	100		
253	27.4	0.0	64.2
125	21.7	0.0	35.0





#22
Benzo(k)fluoranthene
Concen: 0.580 ng/ul m
RT: 23.23 min Scan# 3607
Delta R.T. 0.01 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:252 Resp: 21752

Ion	Ratio	Lower	Upper
252	100		
253	32.0	24.5	36.7
125	31.2	13.7	20.5#

Instrument :
BNA_E
ClientSampleId :
C0AE8DL

Manual Integrations APPROVED
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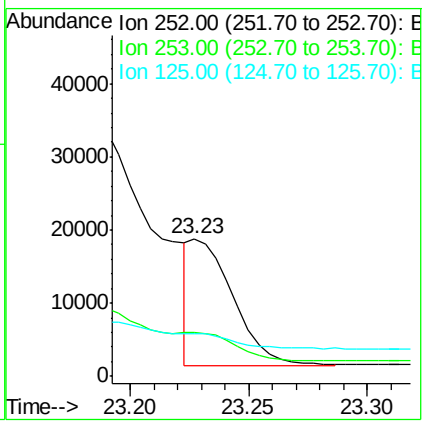
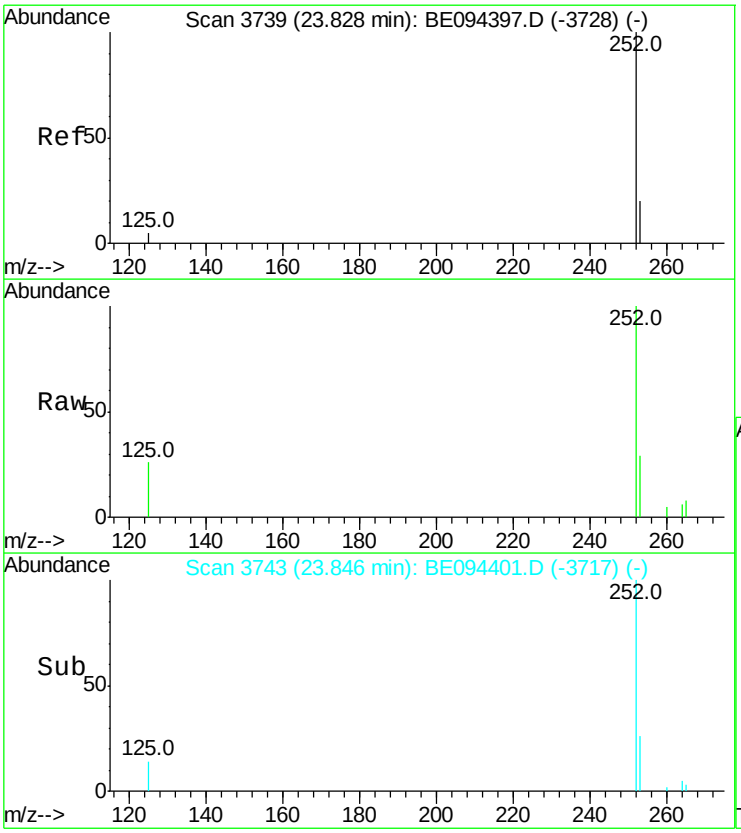
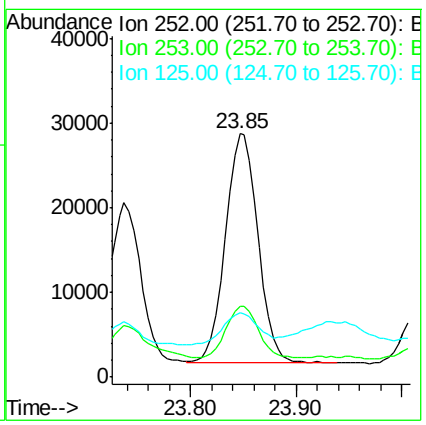


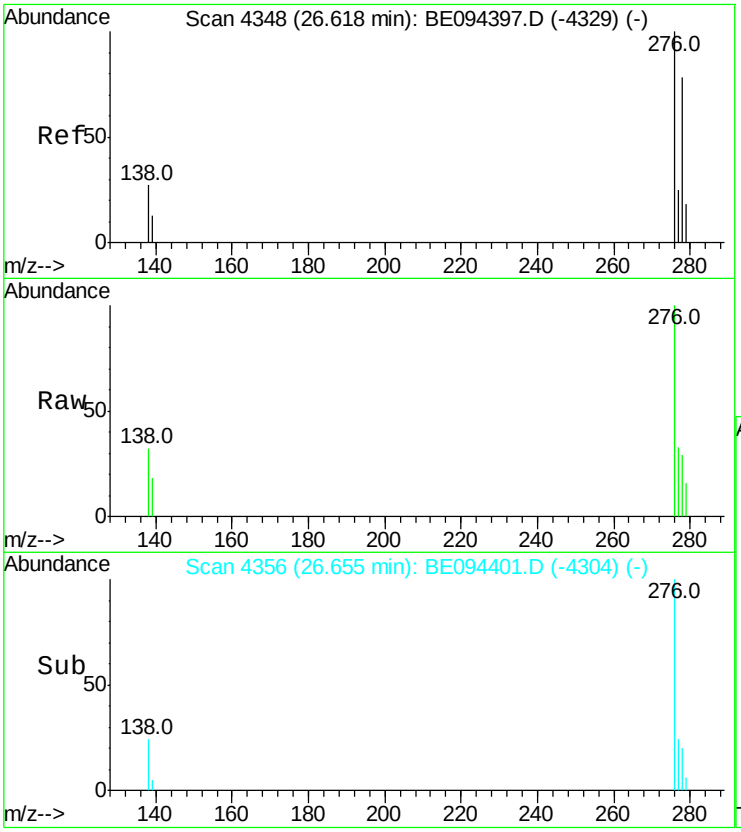


#23
Benzo(a)pyrene
Concen: 1.713 ng/ul
RT: 23.85 min Scan# 3743
Delta R.T. 0.02 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:252 Resp: 57763

Ion	Ratio	Lower	Upper
252	100		
253	29.0	28.5	42.7
125	26.4	18.1	27.1





#24
Indeno(1,2,3-cd)pyrene
Concen: 1.161 ng/ul
RT: 26.65 min Scan# 4356
Delta R.T. 0.04 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:276 Resp: 40062

Ion	Ratio	Lower	Upper
276	100		
138	22.8	28.0	42.0#
227	0.0	8.0	12.0#

Instrument :
BNA_E
ClientSampleId :
C0AE8DL

Manual Integrations APPROVED
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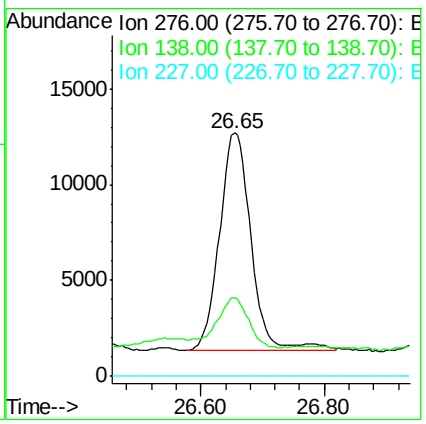
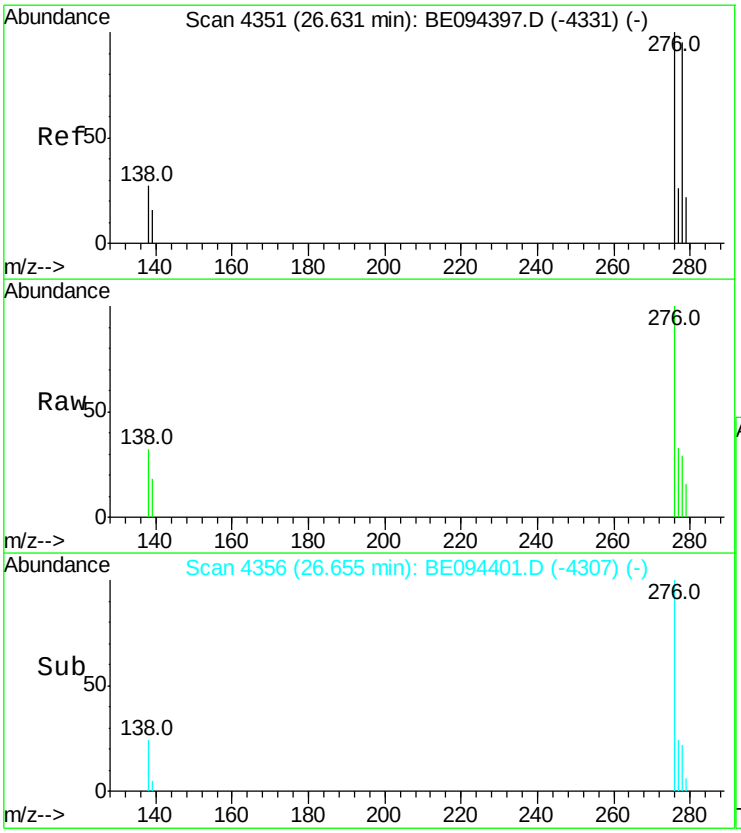
10/16/2017 8:26:35 PM

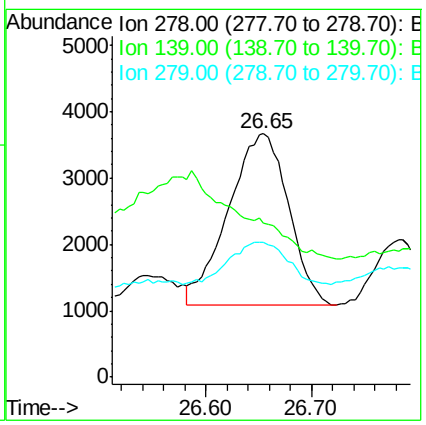


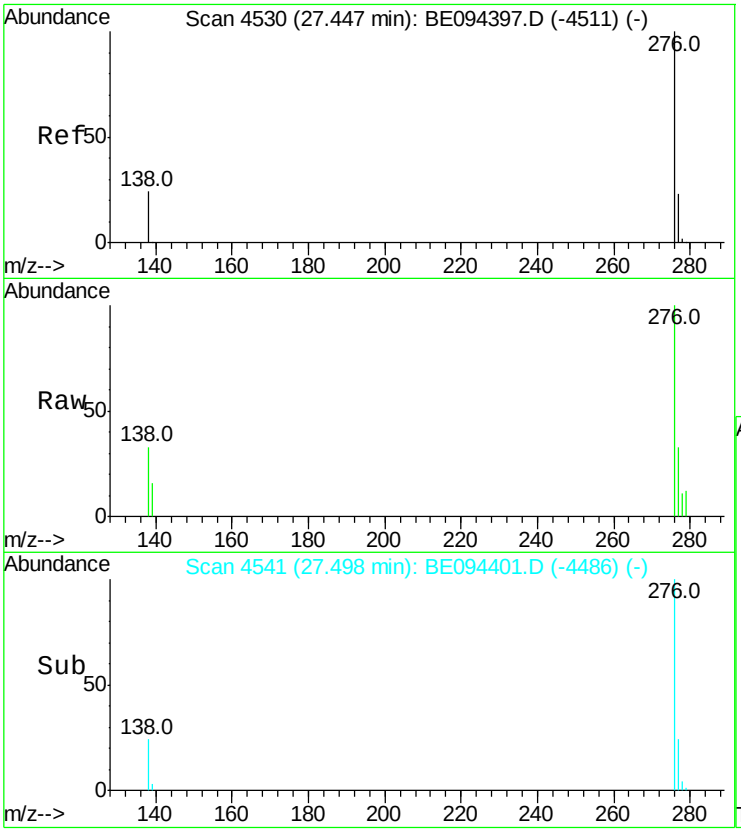


#25
Dibenzo(a,h)anthracene
Concen: 0.351 ng/ul
RT: 26.65 min Scan# 4356
Delta R.T. 0.02 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:278 Resp: 10153

Ion	Ratio	Lower	Upper
278	100		
139	63.5	17.4	26.0#
279	55.6	25.9	38.9#

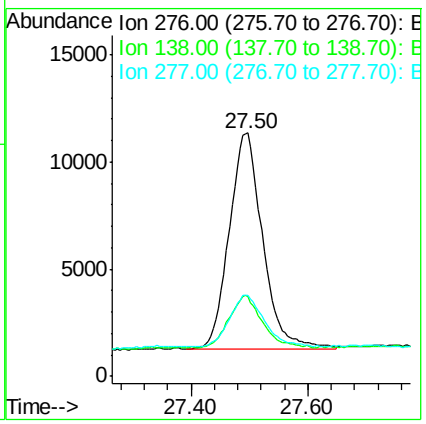




#26
Benzo(g,h,i)perylene
Concen: 1.356 ng/ul
RT: 27.50 min Scan# 4541
Delta R.T. 0.05 min
Lab File: BE094401.D
Acq: 15 Oct 2017 19:59

Tgt Ion:276 Resp: 40359

Ion	Ratio	Lower	Upper
276	100		
138	32.6	21.8	32.8
277	33.1	20.5	30.7#



Instrument :
BNA_E
ClientSampleId :
C0AE8DL

Manual Integrations APPROVED
Sohil
10/16/2017 8:26:35 PM