Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101317\
Data File : BE094341.D
Acq On : 14 Oct 2017 2:07
Operator : SJ/JU
Sample : I5649-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-59(5-7)-100317

Manual Integrations APPROVED
Sohil
10/16/2017 8:23:10 PM

Quant Time: Oct 14 05:05:30 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 14 03:57:24 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1754	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	9160	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	5236	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	10503	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	10280	0.40	ng/ul	0.00
20) Perylene-d12	23.98	264	10132m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	3542	0.25	ng/ul	-0.01
14) Fluoranthene-d10	19.29	212	7860	0.22	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.75	128	21894	0.98	ng/ul#	91
5) 2-Methylnaphthalene	12.36	142	5075	0.35	ng/ul	98
7) Acenaphthylene	14.26	152	15024	0.74	ng/ul	98
8) Acenaphthene	14.60	153	11325	0.67	ng/ul	98
9) Fluorene	15.58	166	18272	0.93	ng/ul	94
12) Phenanthrene	17.31	178	460332	16.77	ng/ul#	91
13) Anthracene	17.39	178	126424	4.74	ng/ul#	90
15) Fluoranthene	19.33	202	811478	22.50	ng/ul	84
17) Pyrene	19.69	202	751686	26.28	ng/ul#	84
18) Benzo(a)anthracene	21.42	228	441576	16.19	ng/ul#	87
19) Chrysene	21.48	228	424865	13.49	ng/ul	98
21) Benzo(b)fluoranthene	23.20	252	539711	19.61	ng/ul	88
22) Benzo(k)fluoranthene	23.25	252	197704m	6.21	ng/ul	
23) Benzo(a)pyrene	23.87	252	412116m	14.41	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.70	276	295647m	10.10	ng/ul	
25) Dibenzo(a,h)anthracene	26.70	278	78225m	3.19	ng/ul	
26) Benzo(g,h,i)perylene	27.54	276	270248m	10.71	ng/ul	

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

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Instrument :
BNA_E
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B-59(5-7)-100317

Manual Integrations APPROVED
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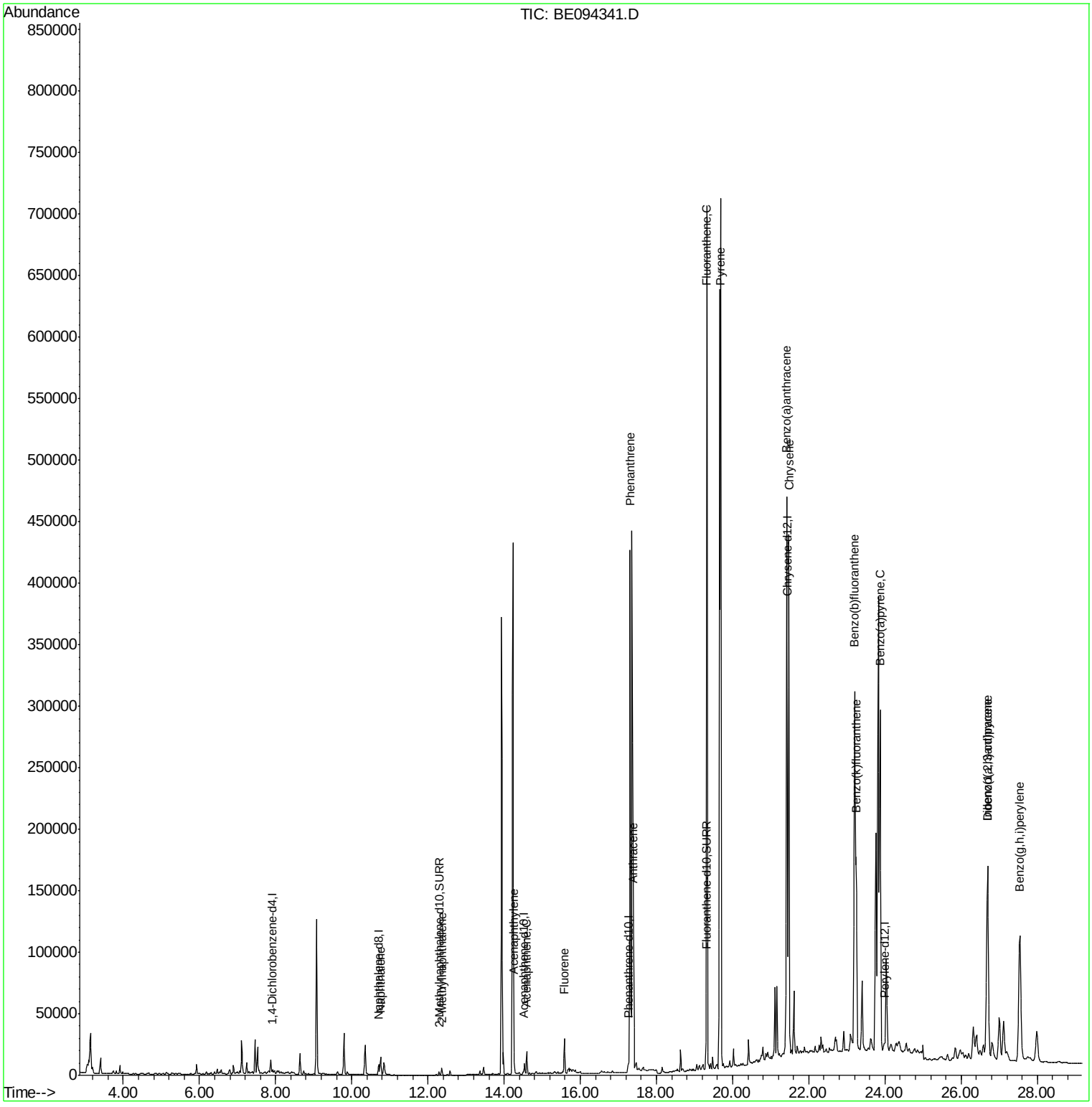

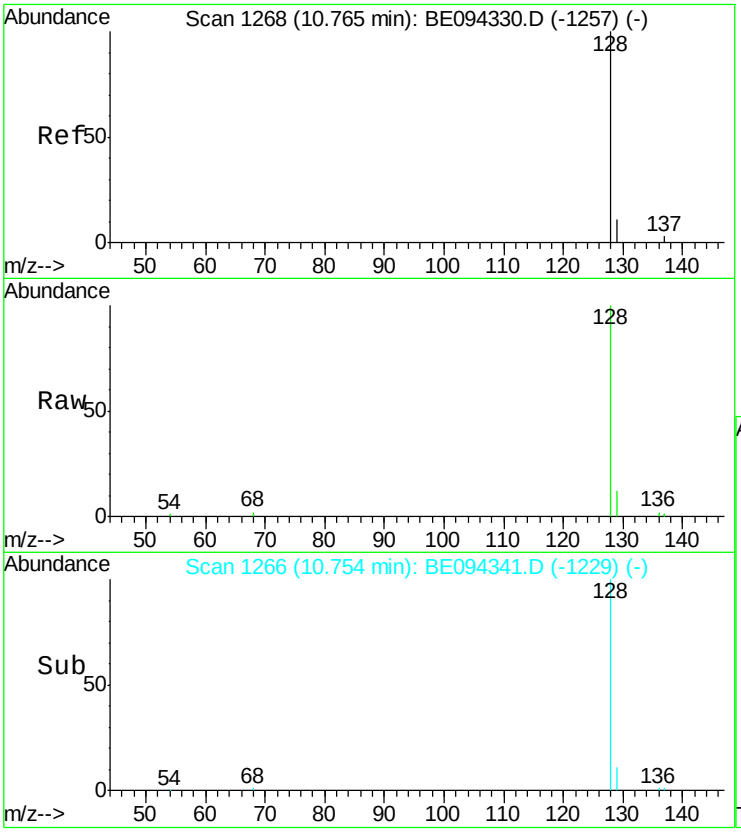

#3
Naphthalene
Concen: 0.98 ng/ul
RT: 10.75 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

Tgt Ion:128 Resp: 21894

Ion	Ratio	Lower	Upper
128	100		
129	11.5	11.3	16.9
127	0.0	4.0	6.0#

Instrument :
BNA_E
ClientSampleId :
B-59(5-7)-100317

Manual Integrations APPROVED
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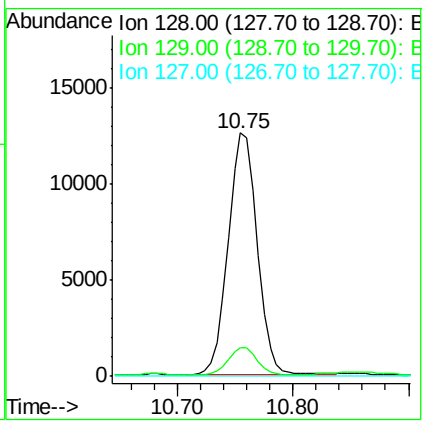
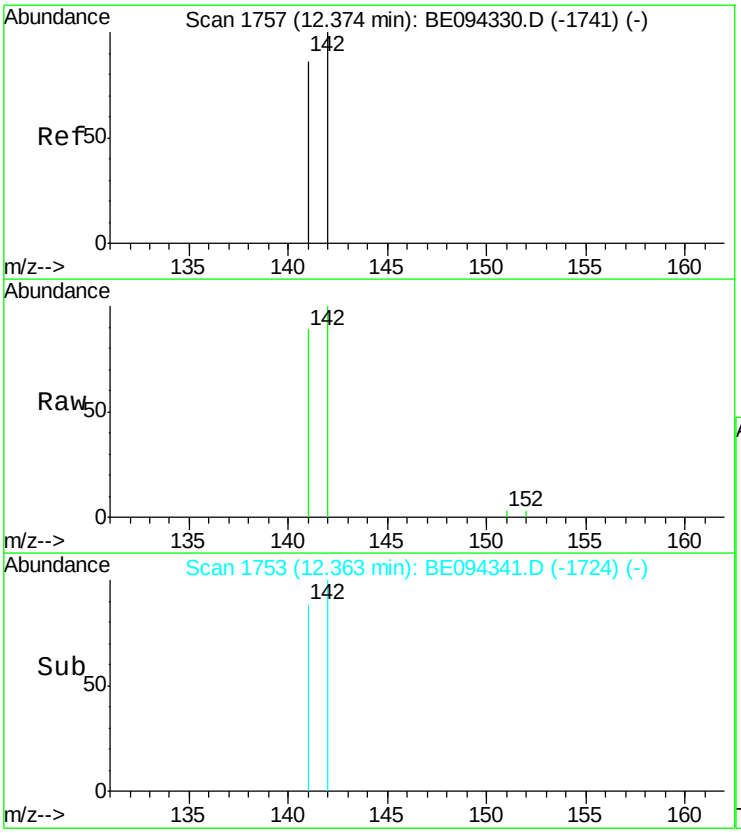
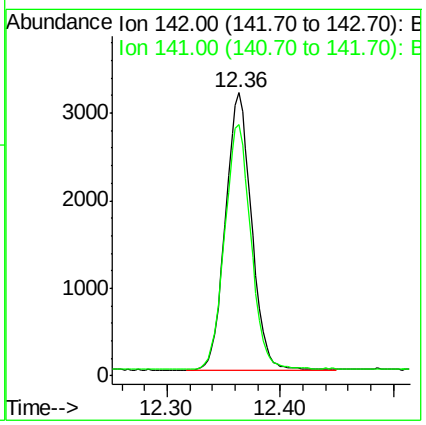


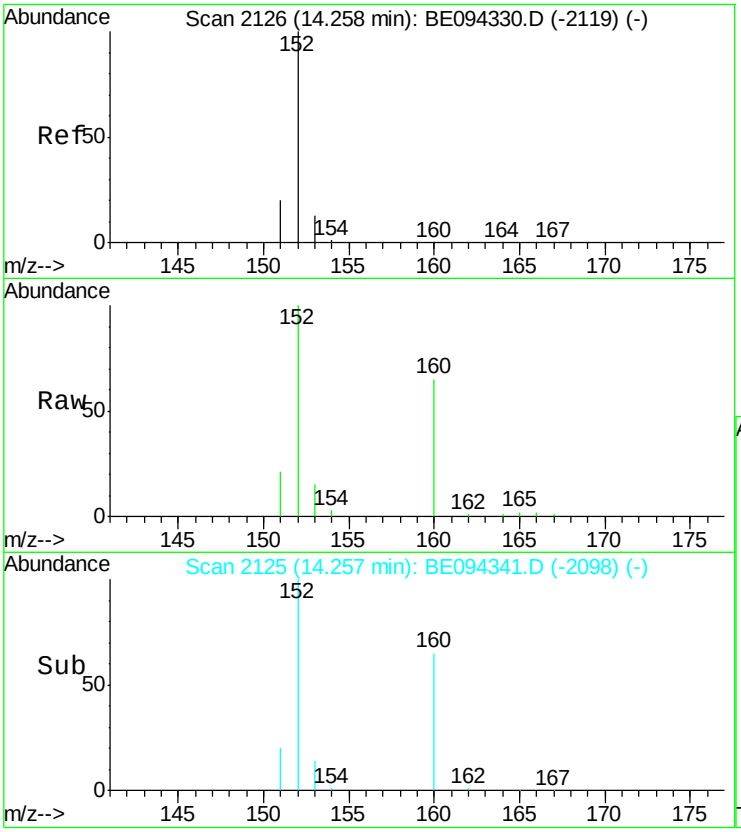


#5
2-Methylnaphthalene
Concen: 0.35 ng/ul
RT: 12.36 min Scan# 1753
Delta R.T. -0.01 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

Tgt Ion:142 Resp: 5075

Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.6	108.8

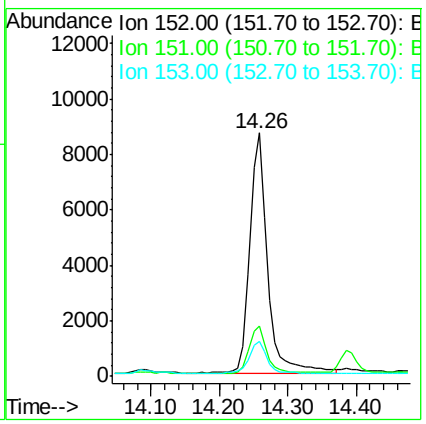




#7
Acenaphthylene
Concen: 0.74 ng/ul
RT: 14.26 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

Tgt Ion:152 Resp: 15024

Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.1	25.7
153	14.6	12.8	19.2



Instrument :
BNA_E
ClientSampleId :
B-59(5-7)-100317

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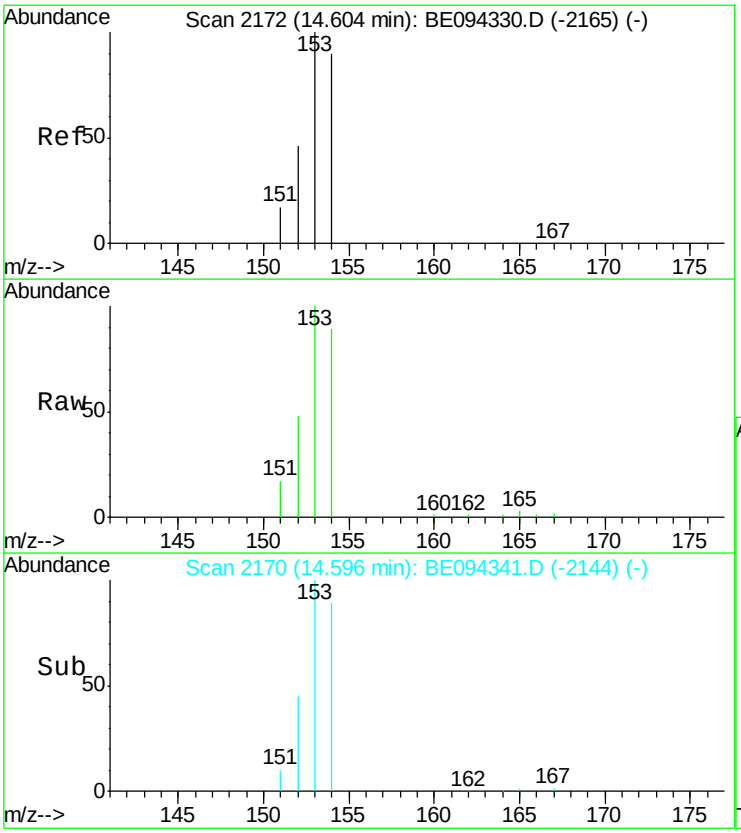
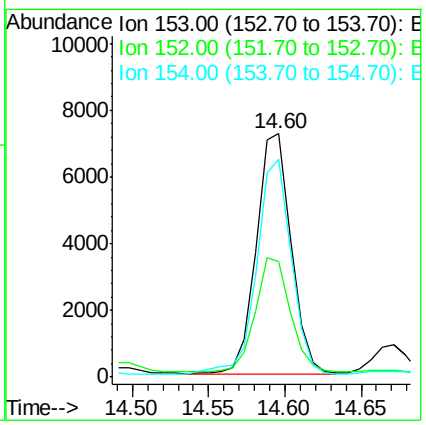
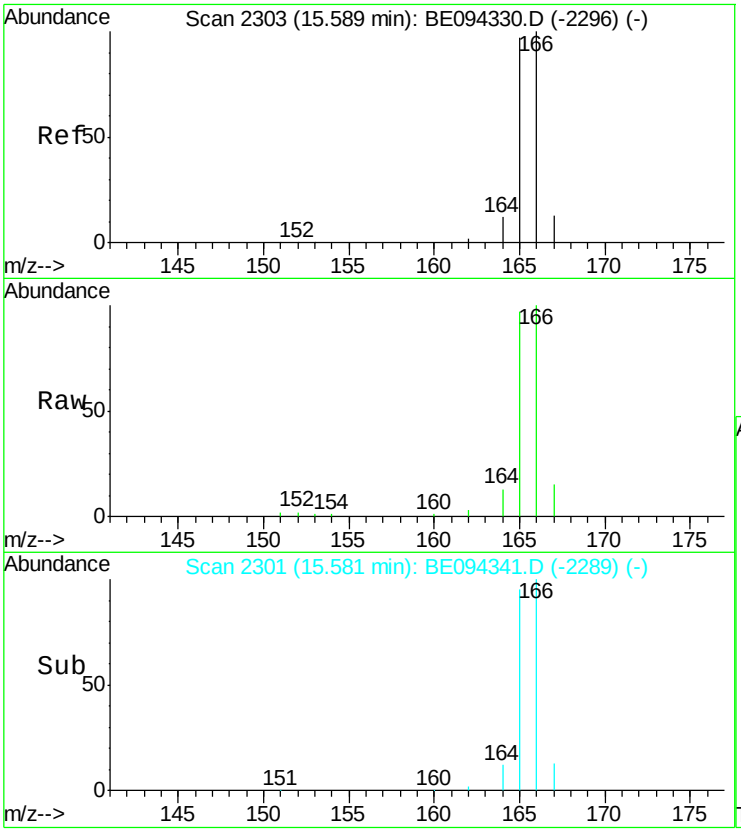


#8
Acenaphthene
Concen: 0.67 ng/ul
RT: 14.60 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

Tgt Ion:153 Resp: 11325

Ion	Ratio	Lower	Upper
153	100		
152	47.7	40.3	60.5
154	89.5	71.4	107.2

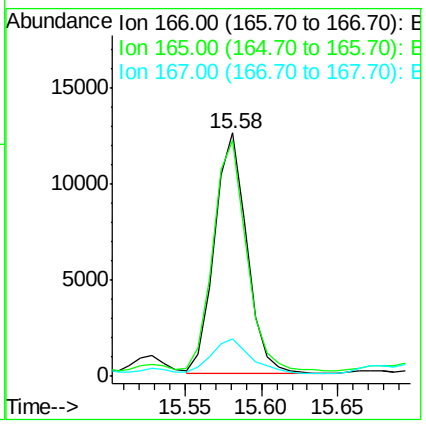




#9
Fluorene
Concen: 0.93 ng/ul
RT: 15.58 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

Tgt Ion:166 Resp: 18272

Ion	Ratio	Lower	Upper
166	100		
165	97.0	73.4	110.2
167	15.5	14.6	22.0



Instrument :
BNA_E
ClientSampleId :
B-59(5-7)-100317

Manual Integrations APPROVED
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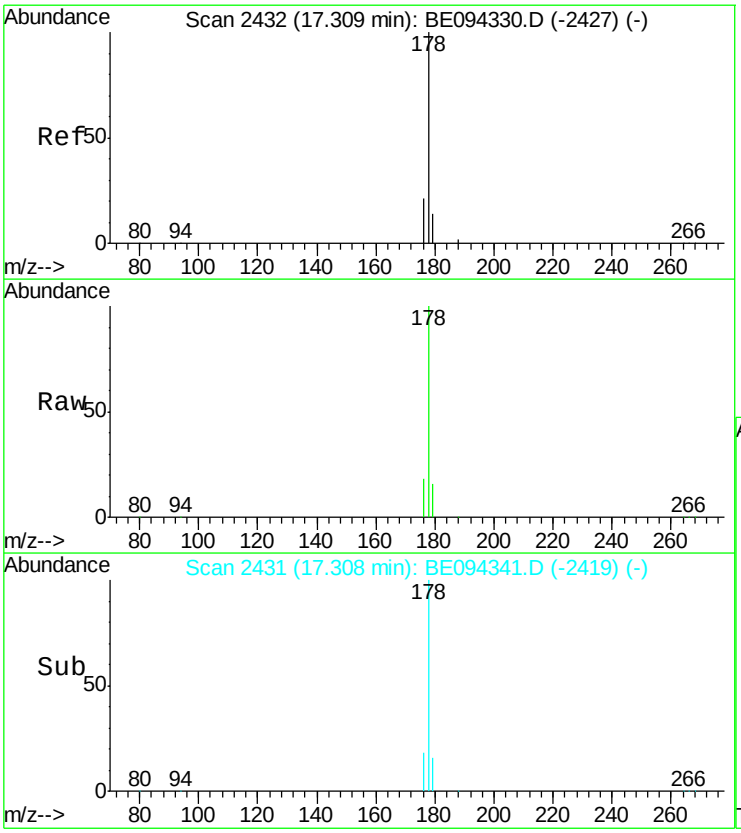
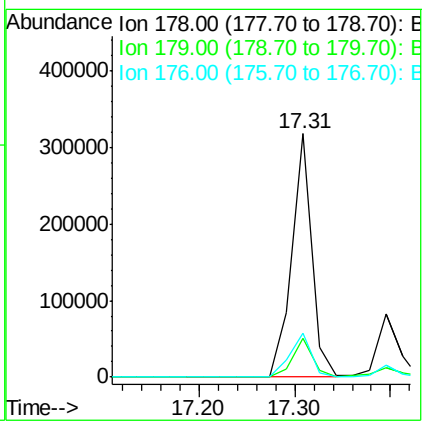
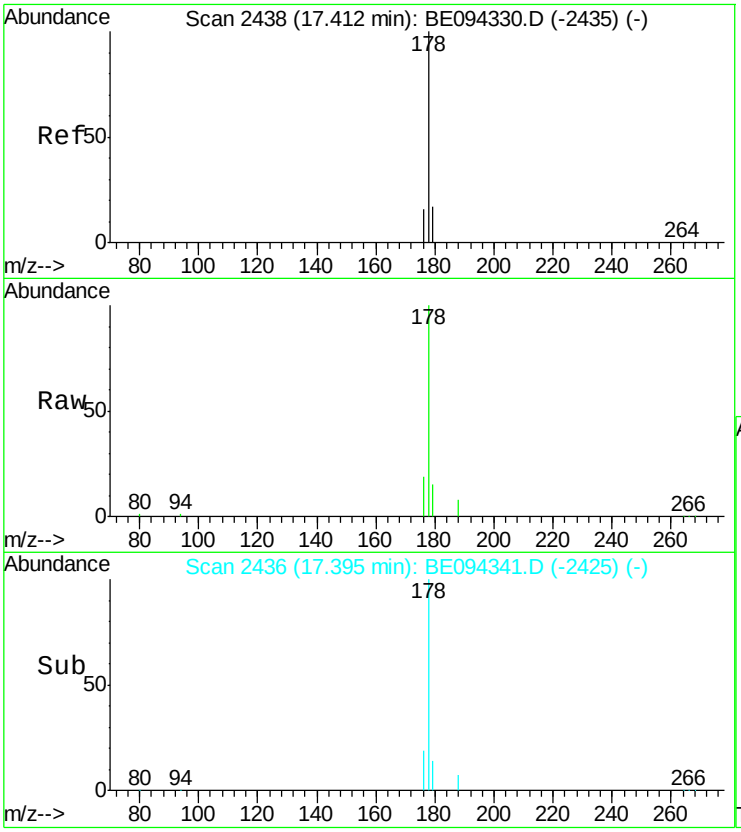


#12
Phenanthrene
Concen: 16.77 ng/ul
RT: 17.31 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

Tgt Ion:178 Resp: 460332

Ion	Ratio	Lower	Upper
178	100		
179	15.9	18.4	27.6#
176	17.8	13.6	20.4





#13
Anthracene
Concen: 4.74 ng/ul
RT: 17.39 min Scan# 2436
Delta R.T. -0.02 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

Tgt Ion:178 Resp: 126424

Ion	Ratio	Lower	Upper
178	100		
179	15.0	18.1	27.1#
176	19.5	14.7	22.1

Instrument :
BNA_E
ClientSampleId :
B-59(5-7)-100317

Manual Integrations APPROVED
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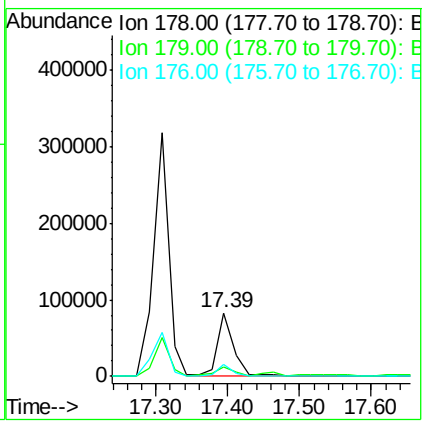
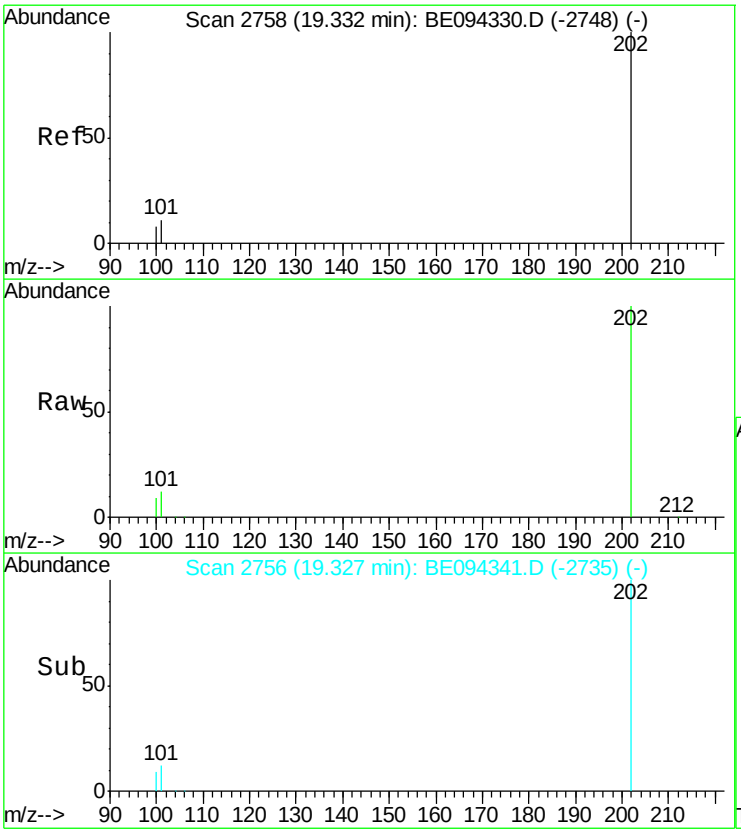
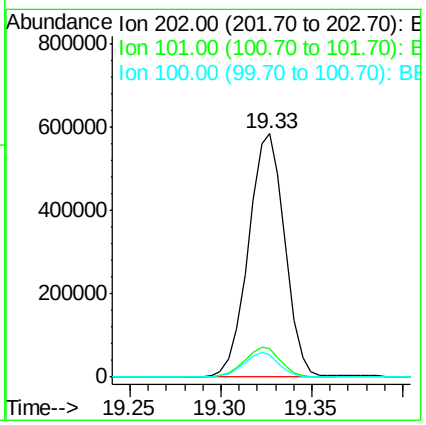


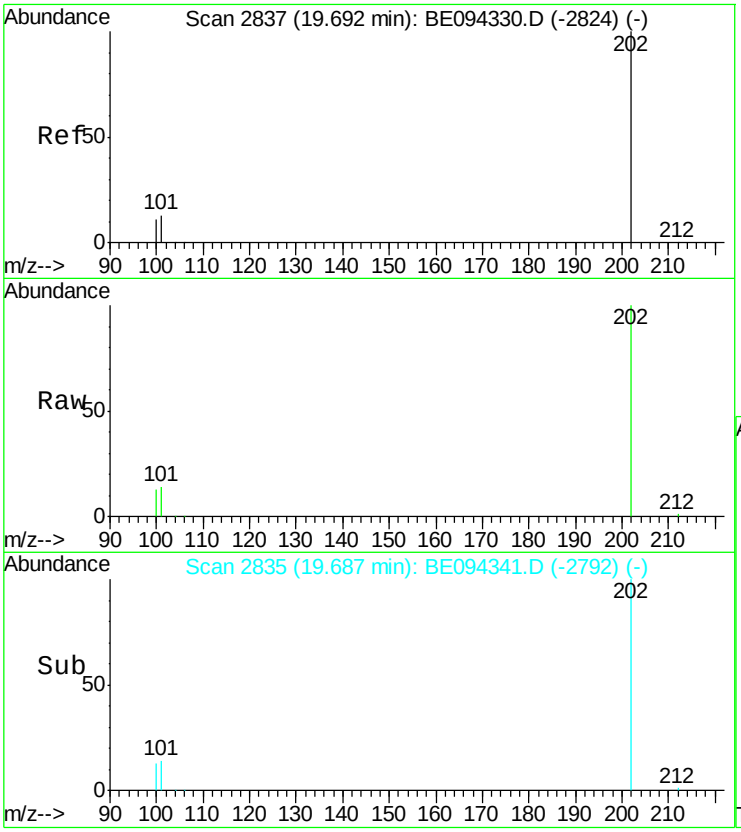


#15
Fluoranthene
Concen: 22.50 ng/ul
RT: 19.33 min Scan# 2756
Delta R.T. -0.00 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

Tgt Ion:202 Resp: 811478

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	30.3
100	9.1	0.0	39.5





#17
Pyrene
Concen: 26.28 ng/ul
RT: 19.69 min Scan# 2835
Delta R.T. -0.00 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

Tgt Ion:202 Resp: 751686

Ion	Ratio	Lower	Upper
202	100		
101	14.4	18.2	27.4#
100	12.5	15.6	23.4#

Instrument :
BNA_E
ClientSampleId :
B-59(5-7)-100317

Manual Integrations APPROVED
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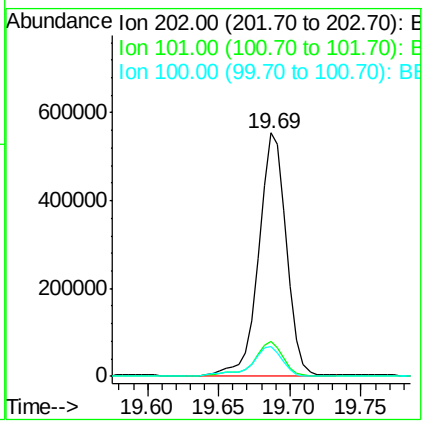
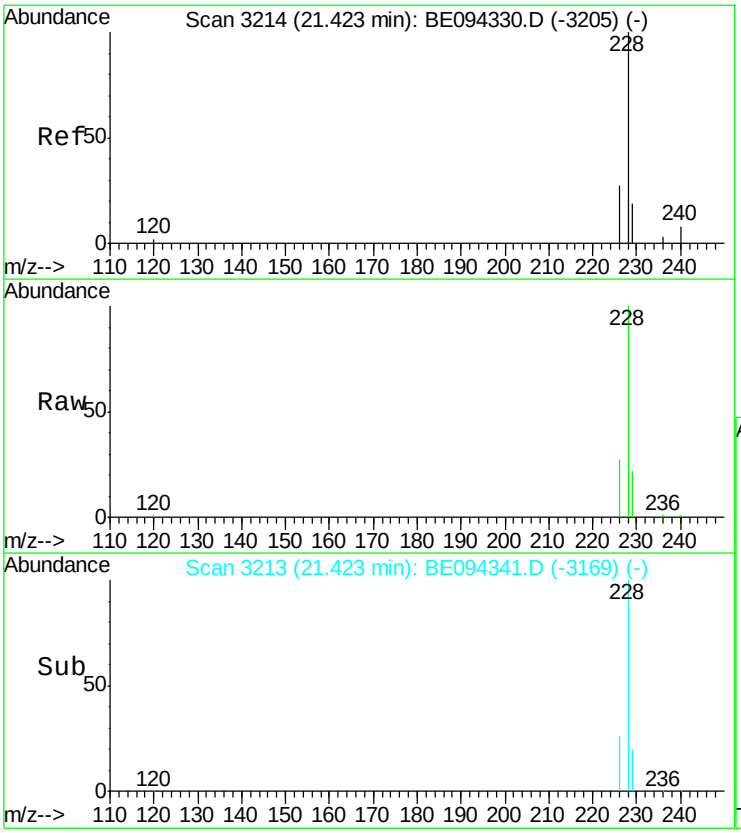
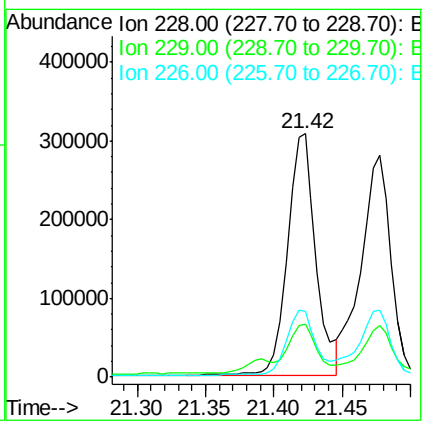


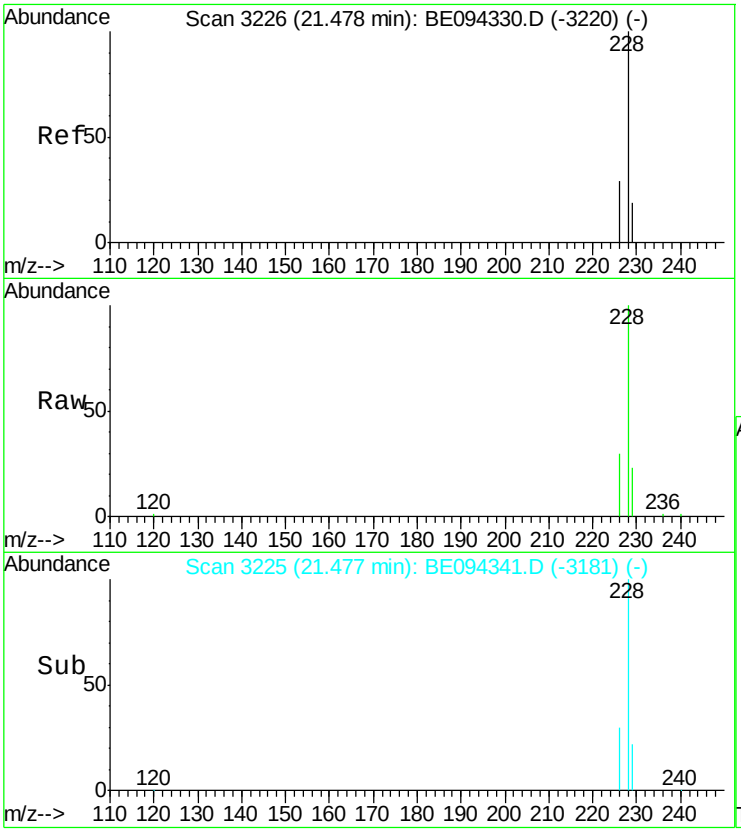


#18
Benzo(a)anthracene
Concen: 16.19 ng/ul
RT: 21.42 min Scan# 3213
Delta R.T. -0.00 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

Tgt Ion:228 Resp: 441576

Ion	Ratio	Lower	Upper
228	100		
229	21.9	22.8	34.2#
226	27.2	17.0	25.6#





#19
Chrysene
Concen: 13.49 ng/ul
RT: 21.48 min Scan# 3225
Delta R.T. -0.00 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

Tgt Ion:228 Resp: 424865

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.0
229	23.2	17.7	26.5

Instrument :
BNA_E
ClientSampleId :
B-59(5-7)-100317

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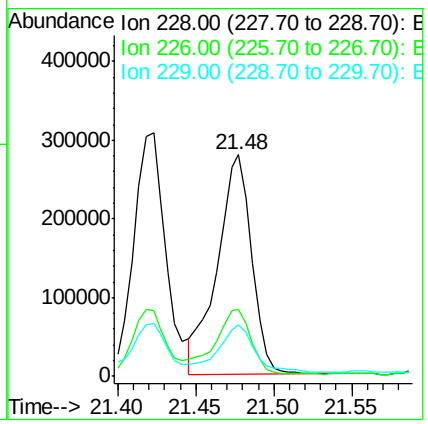
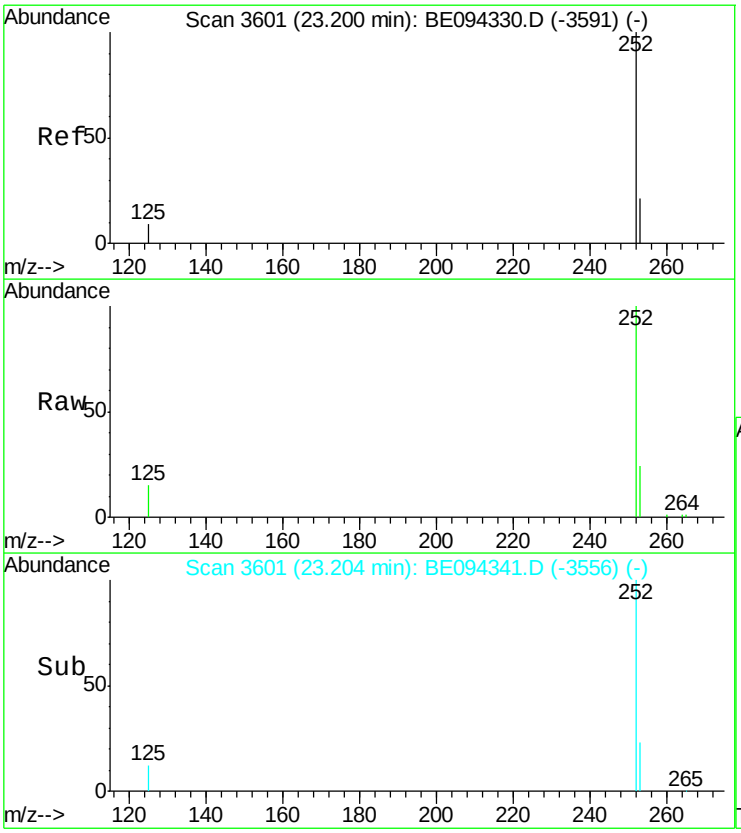
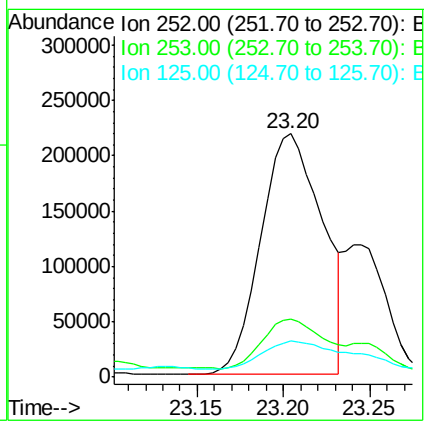


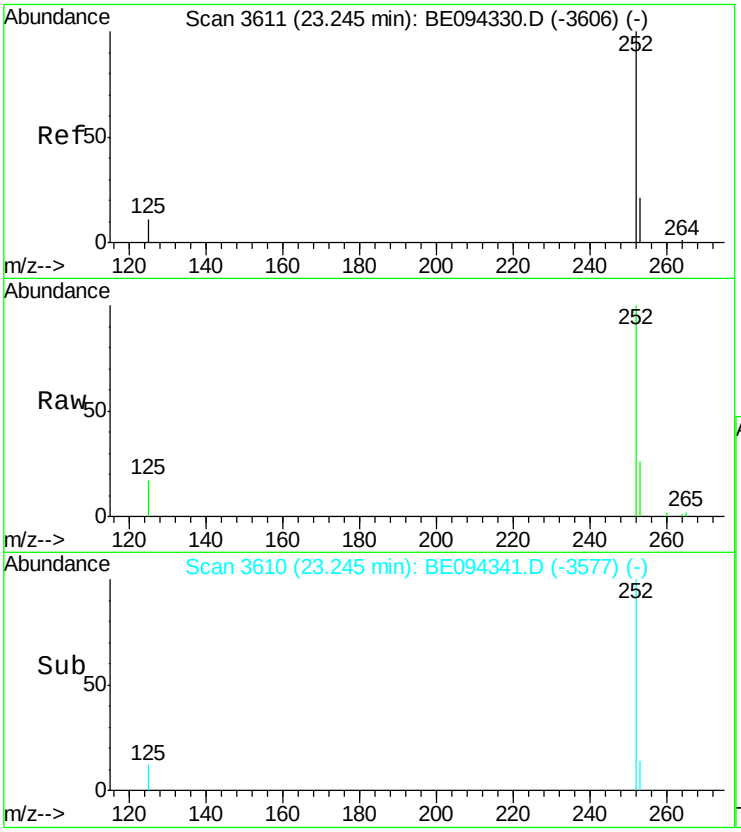


#21
Benzo(b)fluoranthene
Concen: 19.61 ng/ul
RT: 23.20 min Scan# 3601
Delta R.T. 0.00 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

Tgt Ion:252 Resp: 539711

Ion	Ratio	Lower	Upper
252	100		
253	24.1	0.0	64.2
125	14.7	0.0	35.0





#22
Benzo(k)fluoranthene
Concen: 6.21 ng/ul m
RT: 23.25 min Scan# 3610
Delta R.T. -0.00 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

Tgt Ion:252 Resp: 197704

Ion	Ratio	Lower	Upper
252	100		
253	25.5	24.5	36.7
125	17.5	13.7	20.5

Instrument :
BNA_E
ClientSampleId :
B-59(5-7)-100317

Manual Integrations APPROVED
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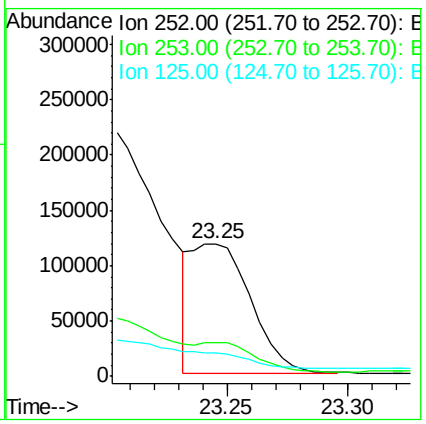
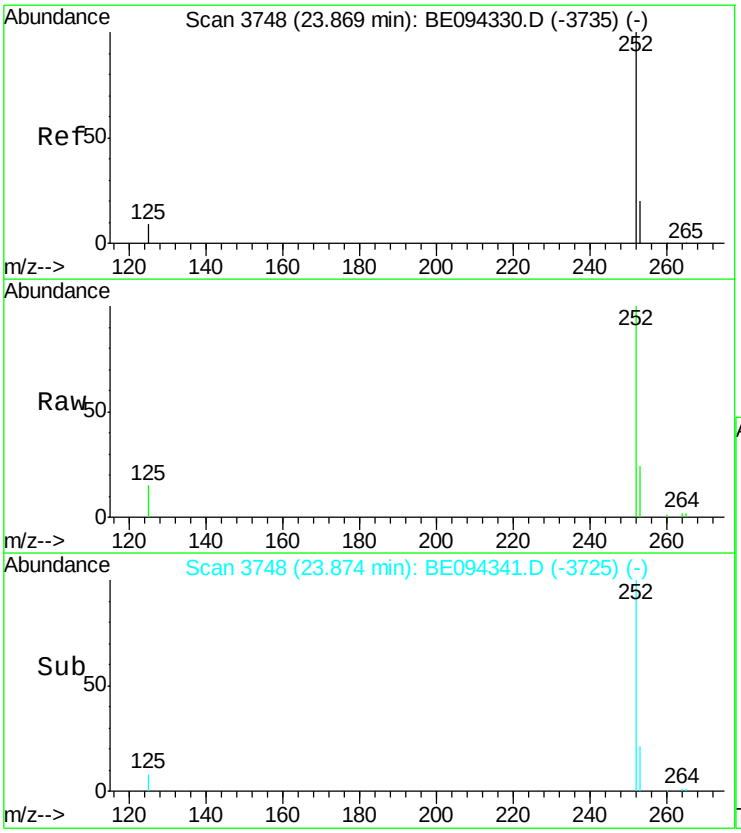
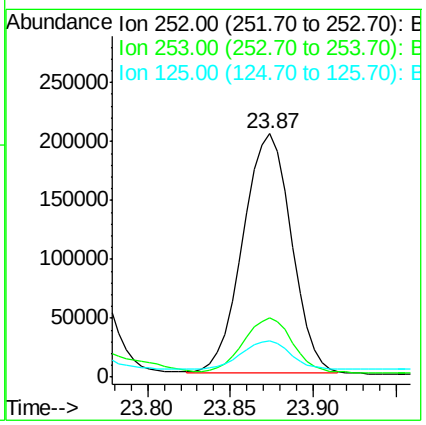


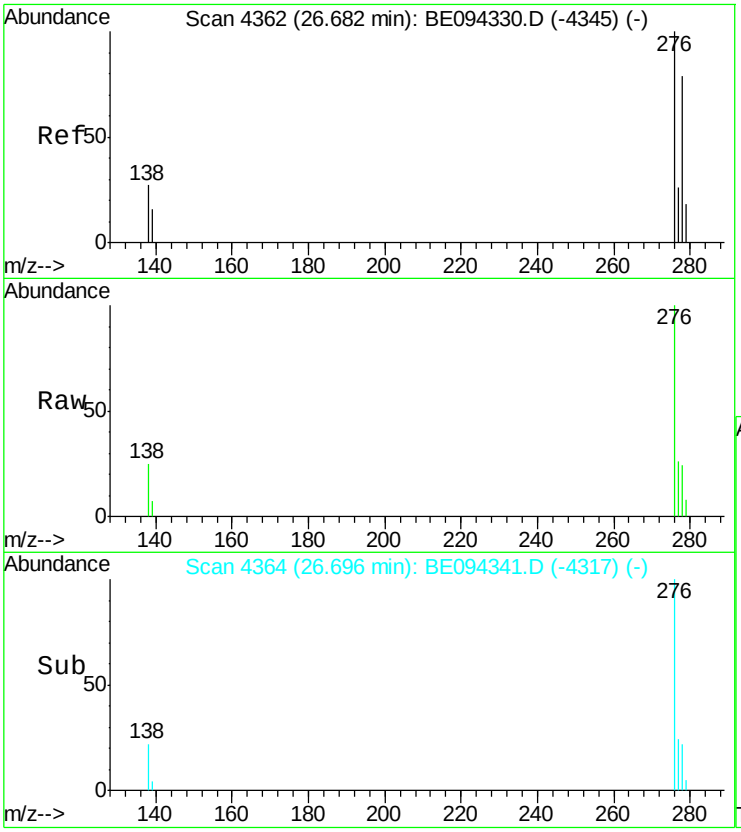


#23
Benzo(a)pyrene
Concen: 14.41 ng/ul m
RT: 23.87 min Scan# 3748
Delta R.T. 0.00 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

Tgt Ion:252 Resp: 412116

Ion	Ratio	Lower	Upper
252	100		
253	24.2	28.5	42.7#
125	14.7	18.1	27.1#





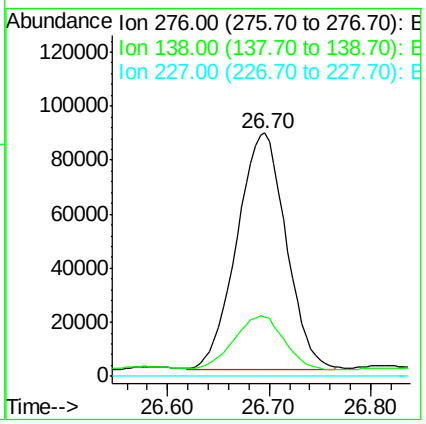
#24
Indeno(1,2,3-cd)pyrene
Concen: 10.10 ng/ul m
RT: 26.70 min Scan# 4364
Delta R.T. 0.01 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

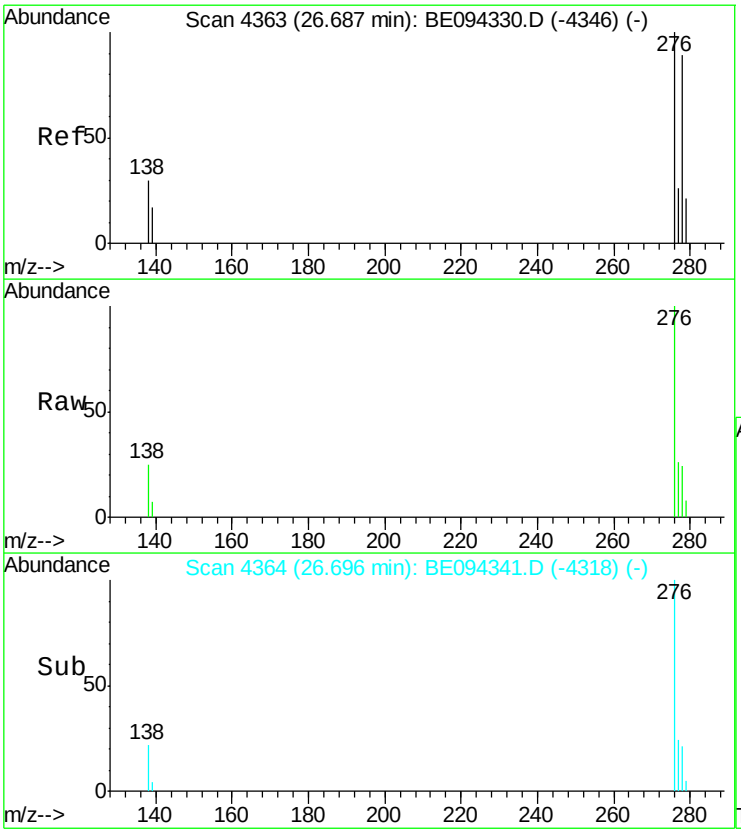
Tgt Ion:276 Resp: 295647

Ion	Ratio	Lower	Upper
276	100		
138	0.6	28.0	42.0#
227	0.0	8.0	12.0#

Instrument :
BNA_E
ClientSampleId :
B-59(5-7)-100317

Manual Integrations APPROVED
Sohil
10/16/2017 8:23:10 PM

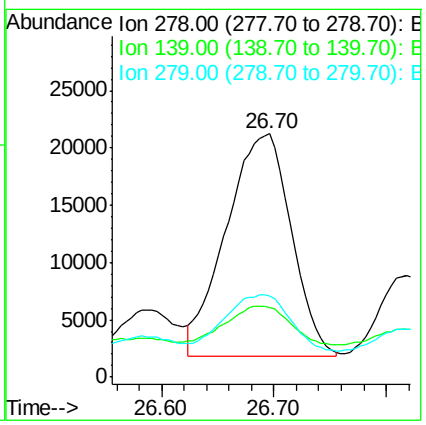


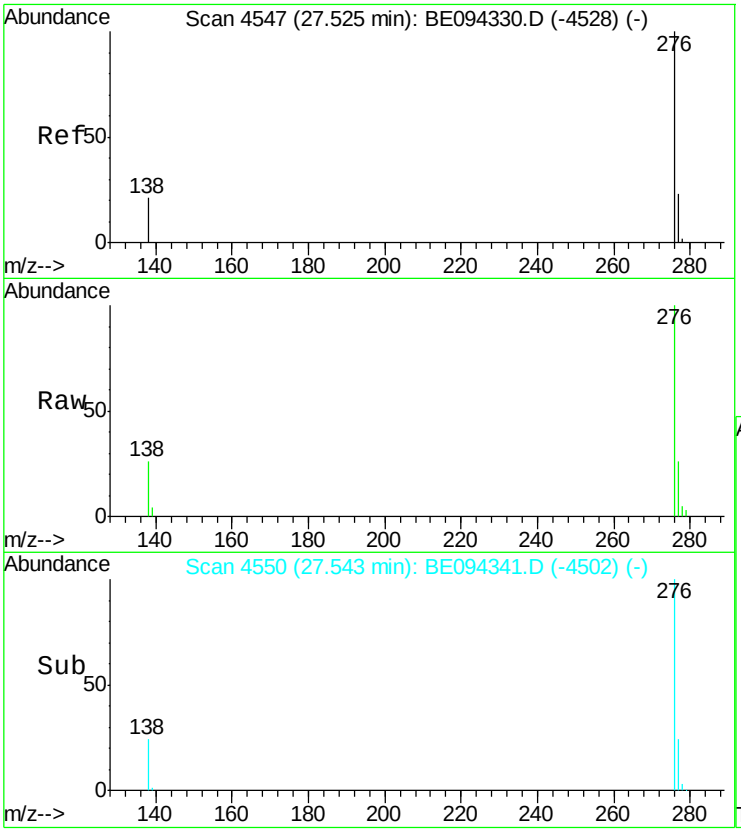


#25
Dibenzo(a,h)anthracene
Concen: 3.19 ng/ul m
RT: 26.70 min Scan# 4364
Delta R.T. 0.01 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

Tgt Ion:278 Resp: 78225

Ion	Ratio	Lower	Upper
278	100		
139	28.8	17.4	26.0#
279	33.5	25.9	38.9

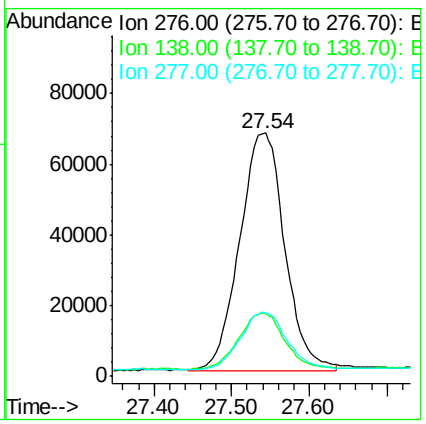




#26
Benzo(g,h,i)perylene
Concen: 10.71 ng/ul m
RT: 27.54 min Scan# 4550
Delta R.T. 0.02 min
Lab File: BE094341.D
Acq: 14 Oct 2017 2:07

Tgt Ion:276 Resp: 270248

Ion	Ratio	Lower	Upper
276	100		
138	25.9	21.8	32.8
277	26.1	20.5	30.7



Instrument :
BNA_E
ClientSampleId :
B-59(5-7)-100317

Manual Integrations APPROVED
Sohil
10/16/2017 8:23:10 PM