Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101317\
Data File : BE094351.D
Acq On : 14 Oct 2017 8:14
Operator : SJ/JU
Sample : I5649-10DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DUP-2DL

Manual Integrations APPROVED
Sohil
10/16/2017 8:23:29 PM

Quant Time: Oct 14 22:50:22 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 05:22:31 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2366	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	12153	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	6697	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	14422	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	13919	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	14624	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	1349	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	3140	0.07	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.75	128	11946	0.40	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	2056	0.11	ng/ul	100
7) Acenaphthylene	14.25	152	14133	0.54	ng/ul	98
8) Acenaphthene	14.59	153	2224	0.10	ng/ul	94
9) Fluorene	15.57	166	4154	0.17	ng/ul	93
12) Phenanthrene	17.31	178	110167	2.92	ng/ul#	93
13) Anthracene	17.40	178	50782	1.39	ng/ul#	92
15) Fluoranthene	19.32	202	429727	8.68	ng/ul	84
17) Pyrene	19.68	202	407722	10.53	ng/ul#	80
18) Benzo(a)anthracene	21.42	228	456084	12.35	ng/ul#	87
19) Chrysene	21.47	228	379035	8.89	ng/ul	99
21) Benzo(b)fluoranthene	23.19	252	635258m	15.99	ng/ul	
22) Benzo(k)fluoranthene	23.23	252	205705m	4.48	ng/ul	
23) Benzo(a)pyrene	23.86	252	498271	12.07	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	26.66	276	337976	8.00	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.66	278	88162	2.49	ng/ul	96
26) Benzo(g,h,i)perylene	27.50	276	277127	7.61	ng/ul	97

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

Quantitation Report (QT Reviewed)

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Acq On : 14 Oct 2017 8:14
Operator : SJ/JU
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Misc :
ALS Vial : 31 Sample Multiplier: 1

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Instrument :
BNA_E
ClientSampleId :
DUP-2DL

Manual Integrations APPROVED
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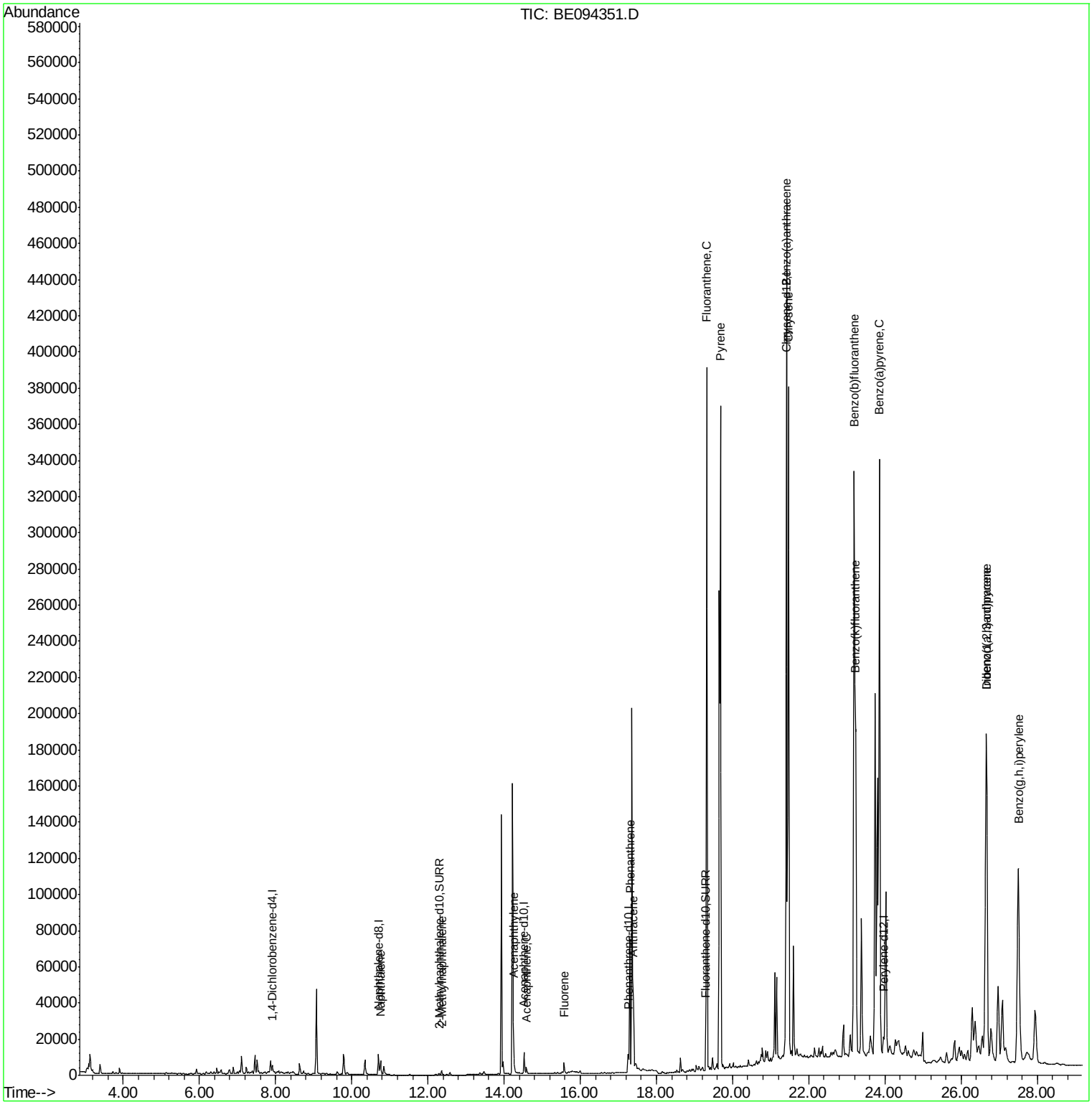

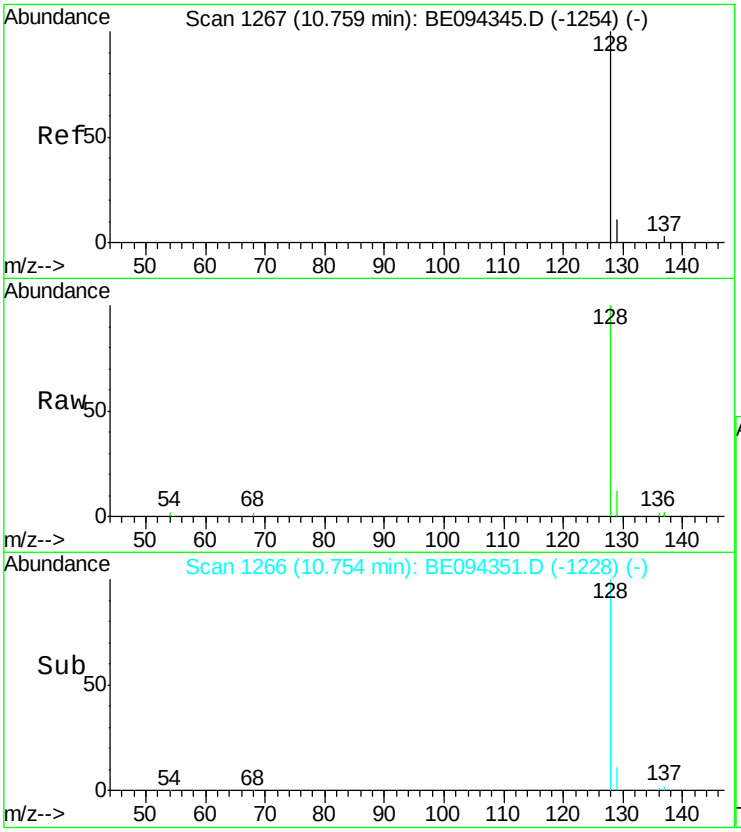

#3
Naphthalene
Concen: 0.40 ng/ul
RT: 10.75 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

Tgt Ion:128 Resp: 11946

Ion	Ratio	Lower	Upper
128	100		
129	12.4	11.3	16.9
127	0.0	4.0	6.0#

Instrument :
BNA_E
ClientSampleId :
DUP-2DL

Manual Integrations APPROVED
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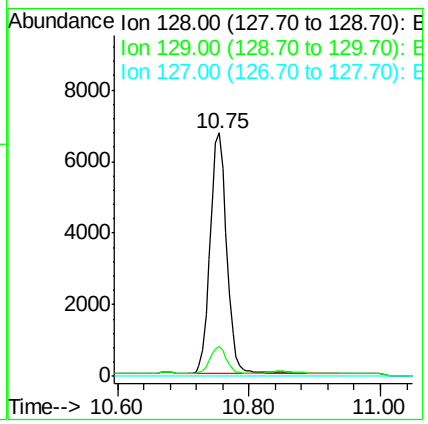
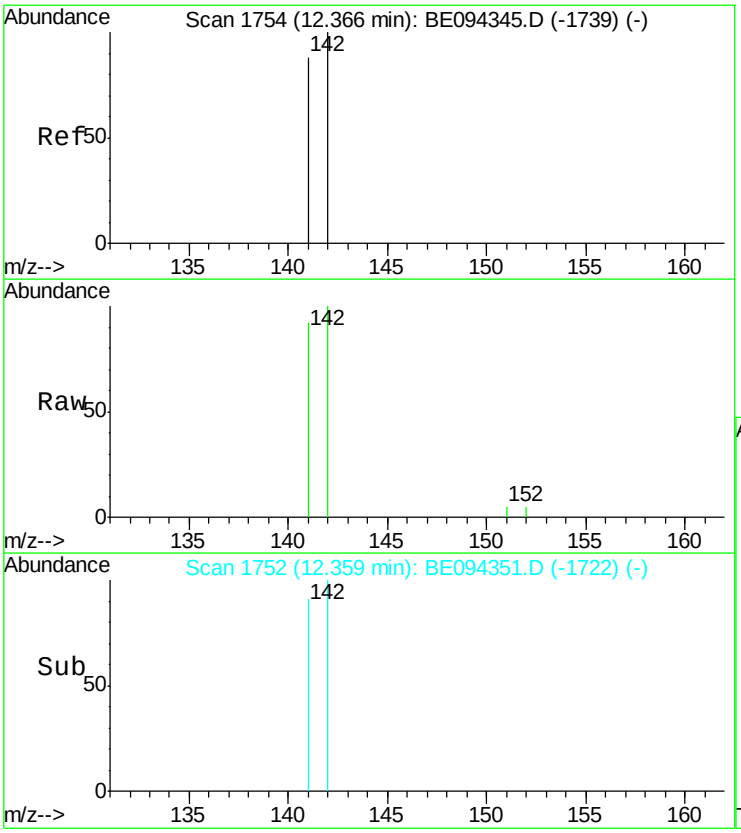
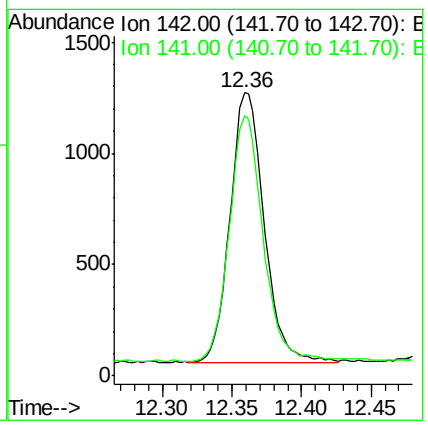


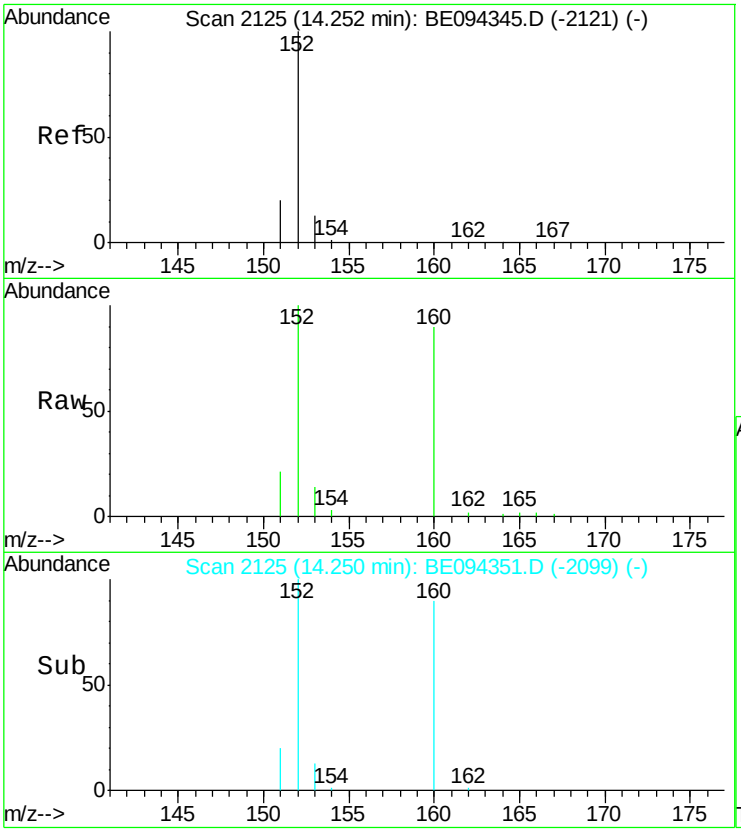


#5
2-Methylnaphthalene
Concen: 0.11 ng/ul
RT: 12.36 min Scan# 1752
Delta R.T. -0.01 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

Tgt Ion:142 Resp: 2056

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.6	108.8

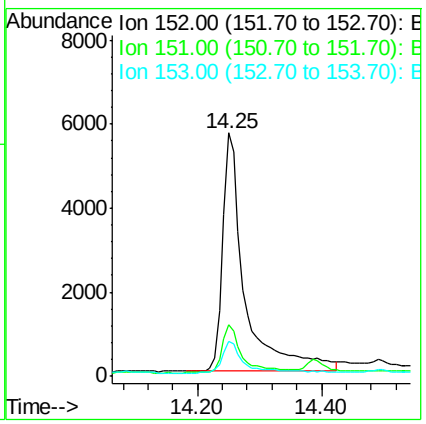




#7
Acenaphthylene
Concen: 0.54 ng/ul
RT: 14.25 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

Tgt Ion:152 Resp: 14133

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.1	25.7
153	14.4	12.8	19.2



Instrument :
BNA_E
ClientSampleId :
DUP-2DL

Manual Integrations APPROVED
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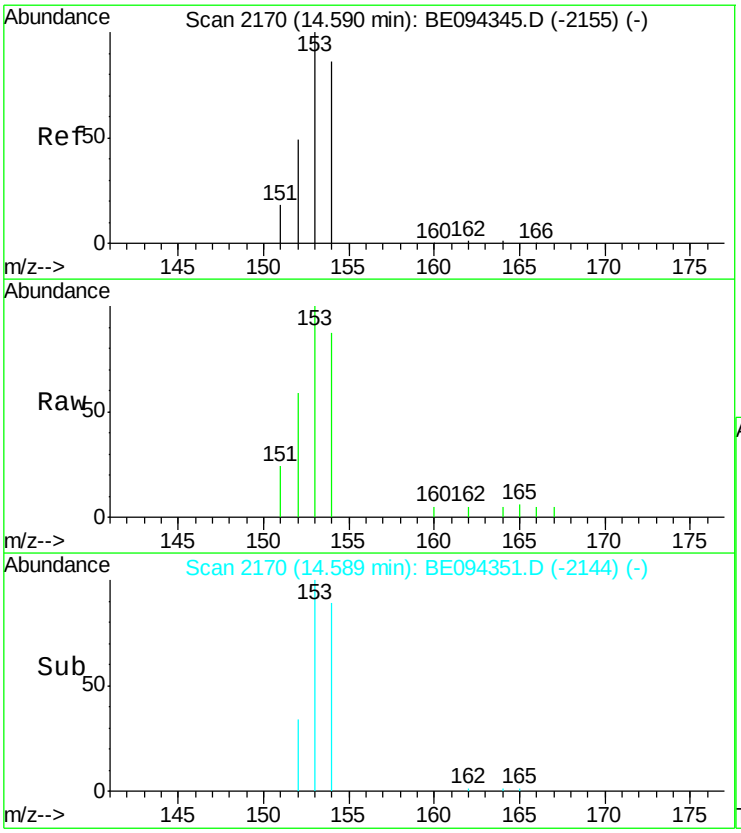
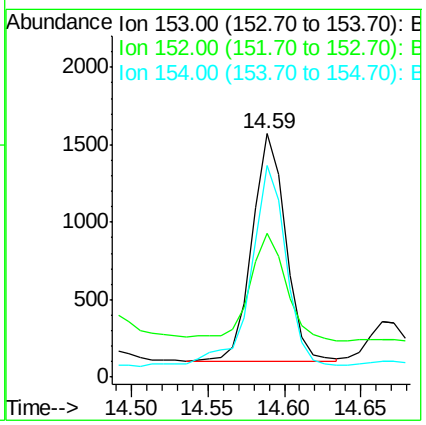
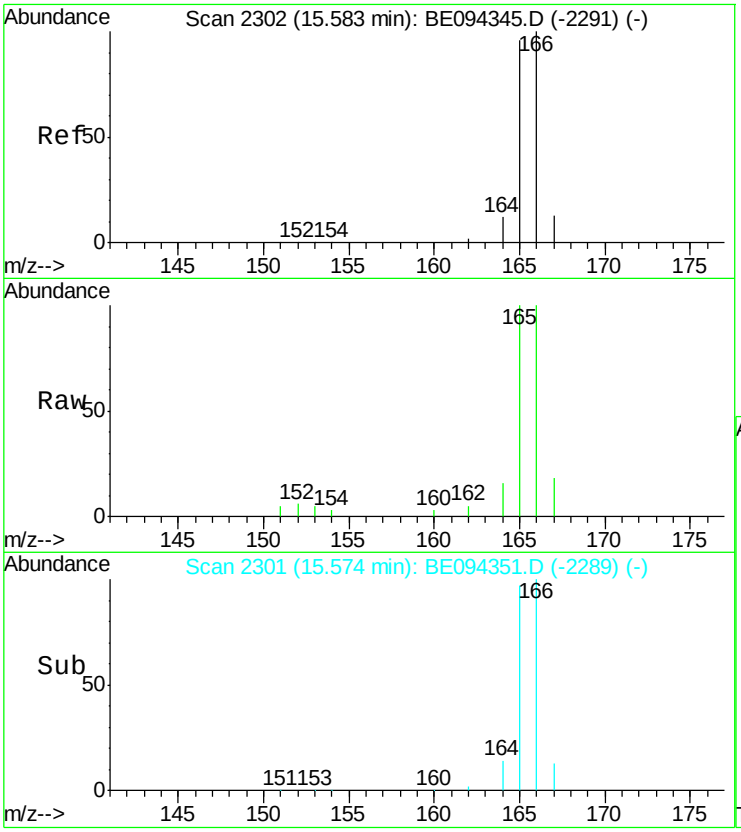


#8
Acenaphthene
Concen: 0.10 ng/ul
RT: 14.59 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

Tgt Ion:153 Resp: 2224

Ion	Ratio	Lower	Upper
153	100		
152	59.3	40.3	60.5
154	87.2	71.4	107.2

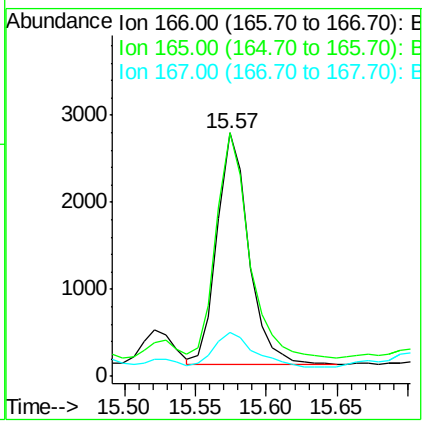




#9
Fluorene
Concen: 0.17 ng/ul
RT: 15.57 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

Tgt Ion:166 Resp: 4154

Ion	Ratio	Lower	Upper
166	100		
165	100.0	73.4	110.2
167	18.1	14.6	22.0



Instrument :
BNA_E
ClientSampleId :
DUP-2DL

Manual Integrations APPROVED
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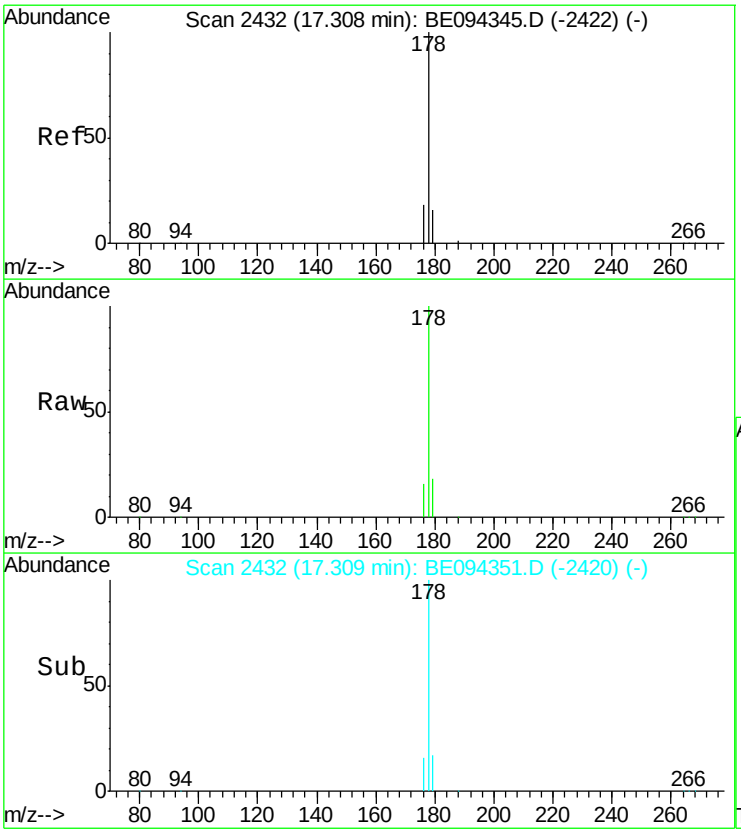
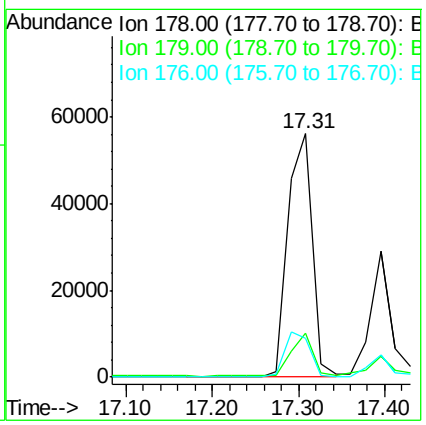
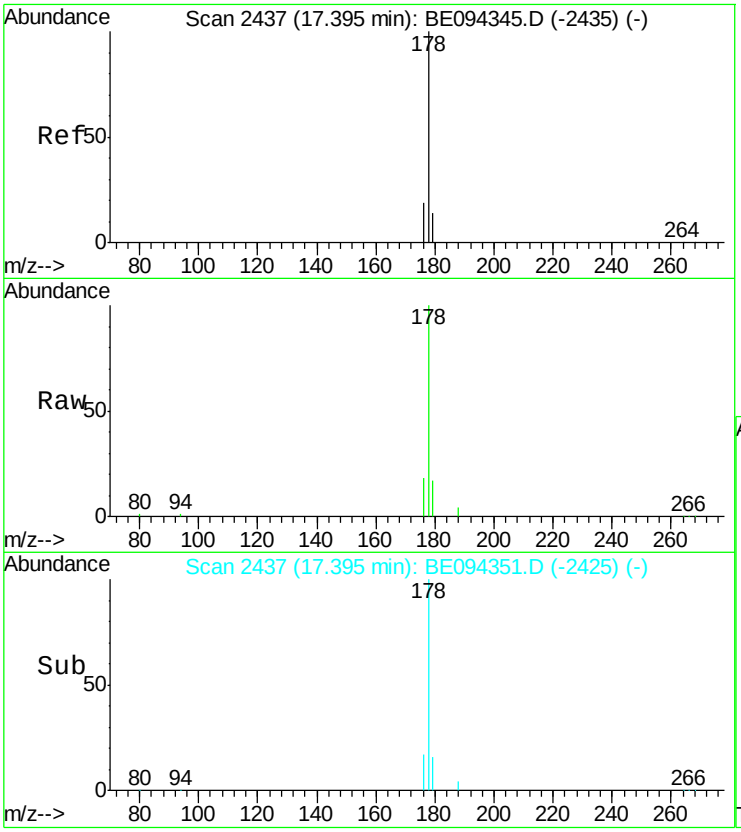


#12
Phenanthrene
Concen: 2.92 ng/ul
RT: 17.31 min Scan# 2432
Delta R.T. 0.00 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

Tgt Ion:178 Resp: 110167

Ion	Ratio	Lower	Upper
178	100		
179	17.8	18.4	27.6#
176	15.8	13.6	20.4





#13
Anthracene
Concen: 1.39 ng/ul
RT: 17.40 min Scan# 2437
Delta R.T. 0.00 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

Tgt Ion:178 Resp: 50782

Ion	Ratio	Lower	Upper
178	100		
179	16.6	18.1	27.1#
176	17.7	14.7	22.1

Instrument :
BNA_E
ClientSampleId :
DUP-2DL

Manual Integrations APPROVED
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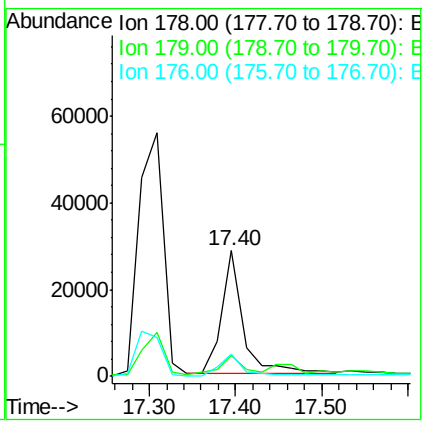
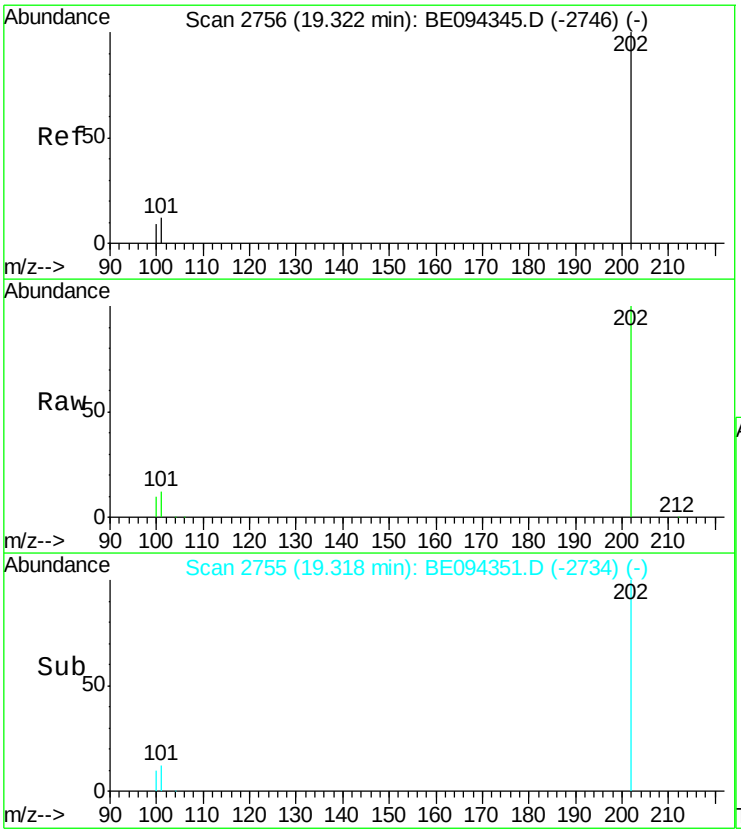
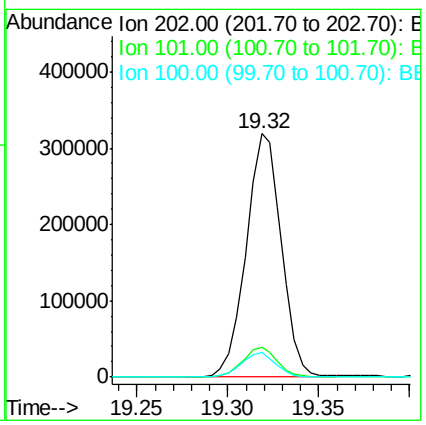


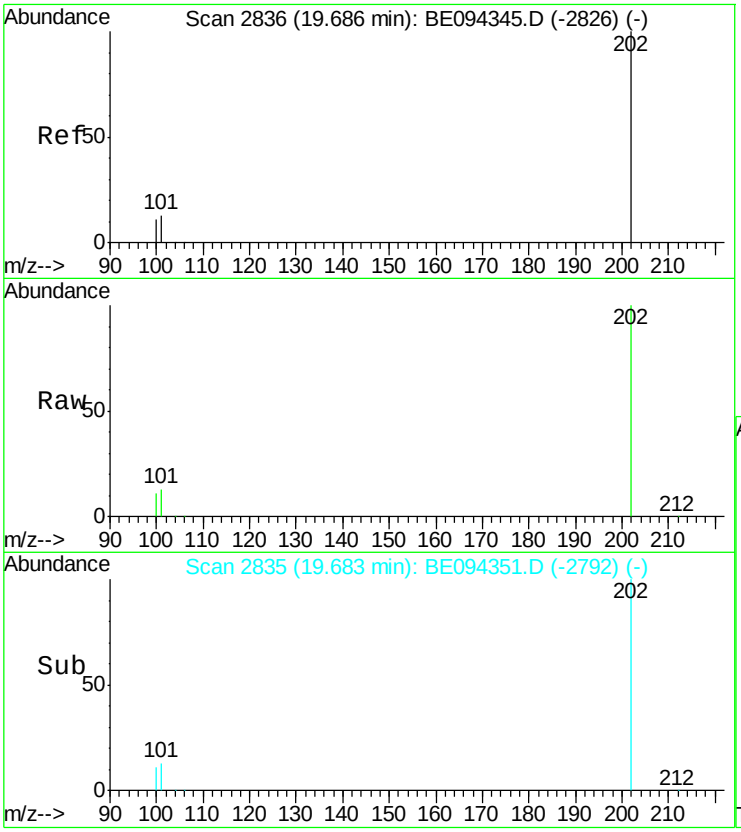


#15
Fluoranthene
Concen: 8.68 ng/ul
RT: 19.32 min Scan# 2755
Delta R.T. -0.00 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

Tgt Ion:202 Resp: 429727

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	30.3
100	9.9	0.0	39.5





#17
Pyrene
Concen: 10.53 ng/ul
RT: 19.68 min Scan# 2835
Delta R.T. -0.00 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

Tgt Ion:202 Resp: 407722

Ion	Ratio	Lower	Upper
202	100		
101	13.0	18.2	27.4#
100	10.8	15.6	23.4#

Instrument :
BNA_E
ClientSampleId :
DUP-2DL

Manual Integrations APPROVED
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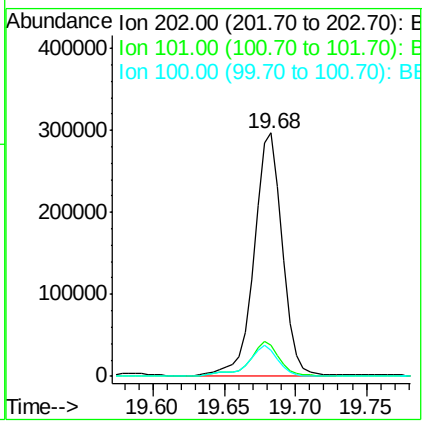
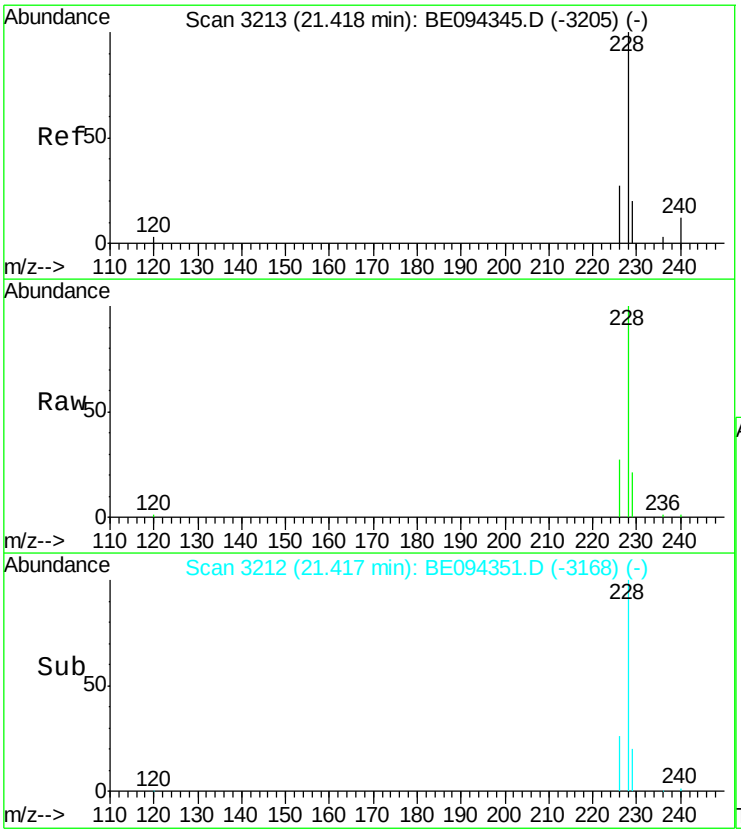
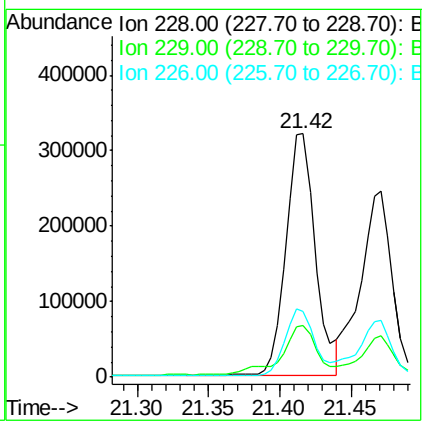


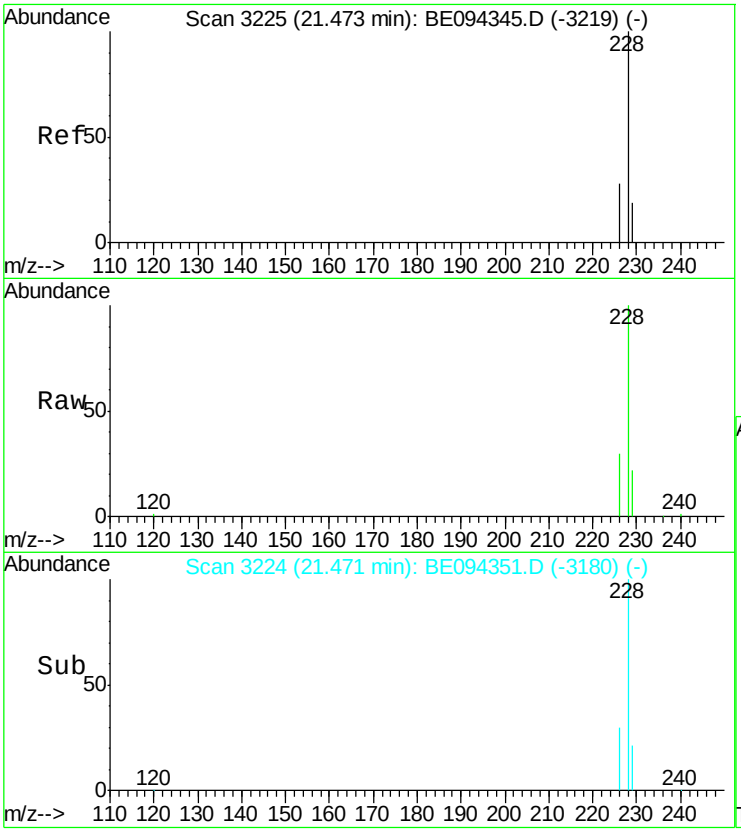


#18
Benzo(a)anthracene
Concen: 12.35 ng/ul
RT: 21.42 min Scan# 3212
Delta R.T. -0.00 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

Tgt Ion:228 Resp: 456084

Ion	Ratio	Lower	Upper
228	100		
229	21.3	22.8	34.2#
226	26.9	17.0	25.6#





#19
Chrysene
Concen: 8.89 ng/ul
RT: 21.47 min Scan# 3224
Delta R.T. -0.00 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

Tgt Ion:228 Resp: 379035

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.0
229	22.1	17.7	26.5

Instrument :
BNA_E
ClientSampleId :
DUP-2DL

Manual Integrations APPROVED
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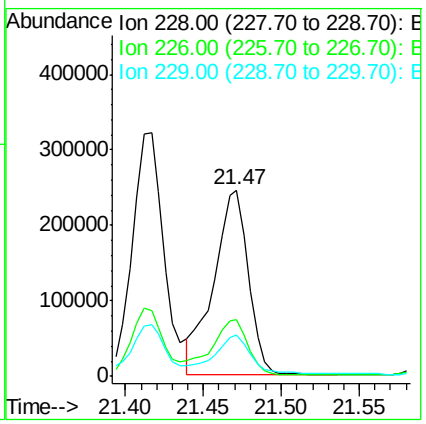
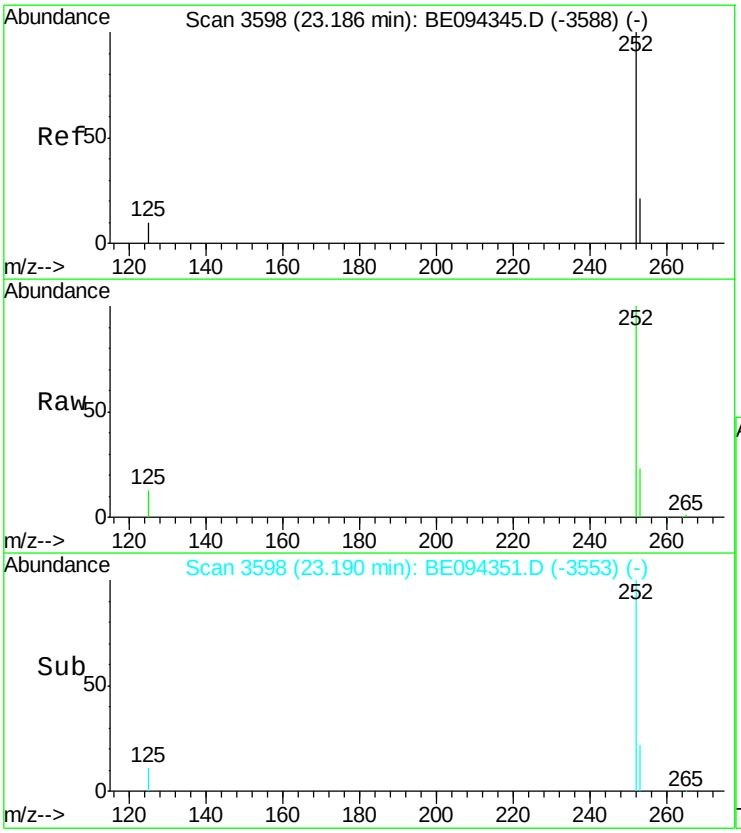
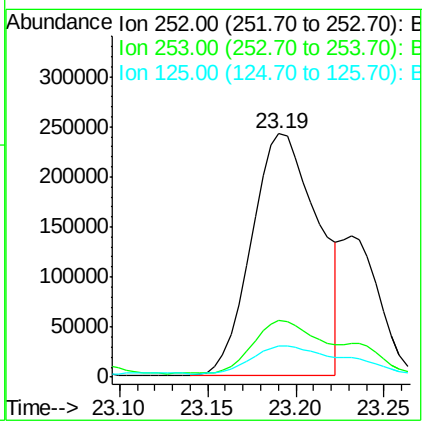


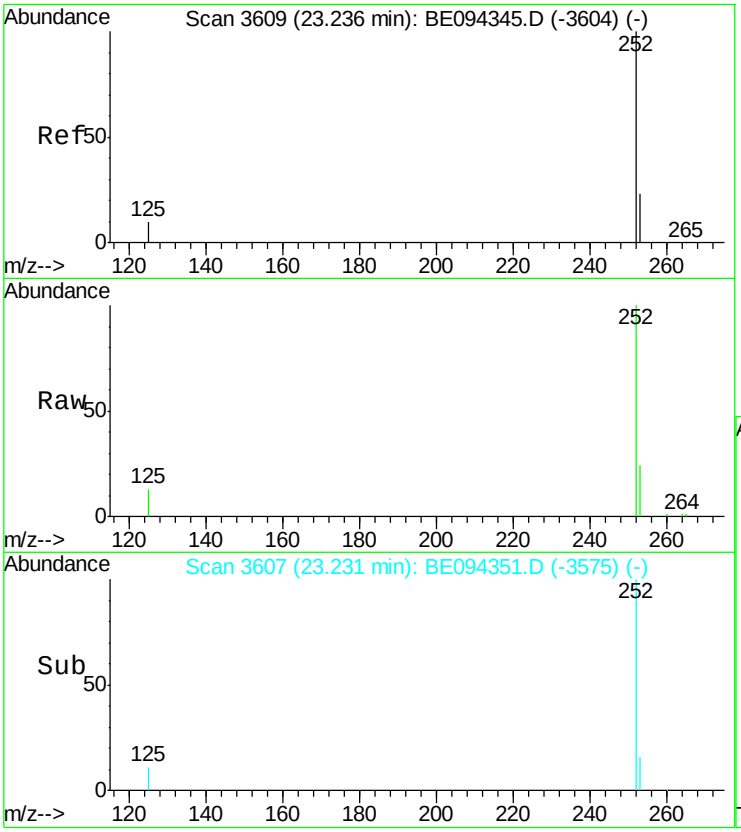


#21
Benzo(b)fluoranthene
Concen: 15.99 ng/ul m
RT: 23.19 min Scan# 3598
Delta R.T. 0.00 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

Tgt Ion:252 Resp: 635258

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	64.2
125	12.7	0.0	35.0





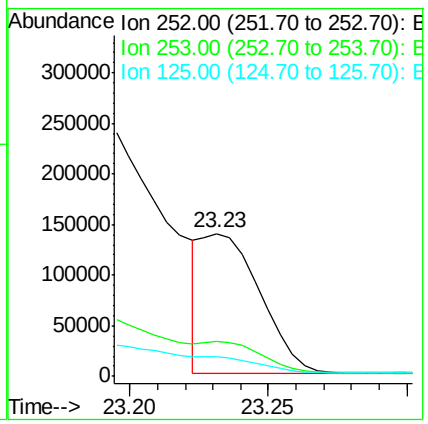
#22
Benzo(k)fluoranthene
Concen: 4.48 ng/ul m
RT: 23.23 min Scan# 3607
Delta R.T. -0.00 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

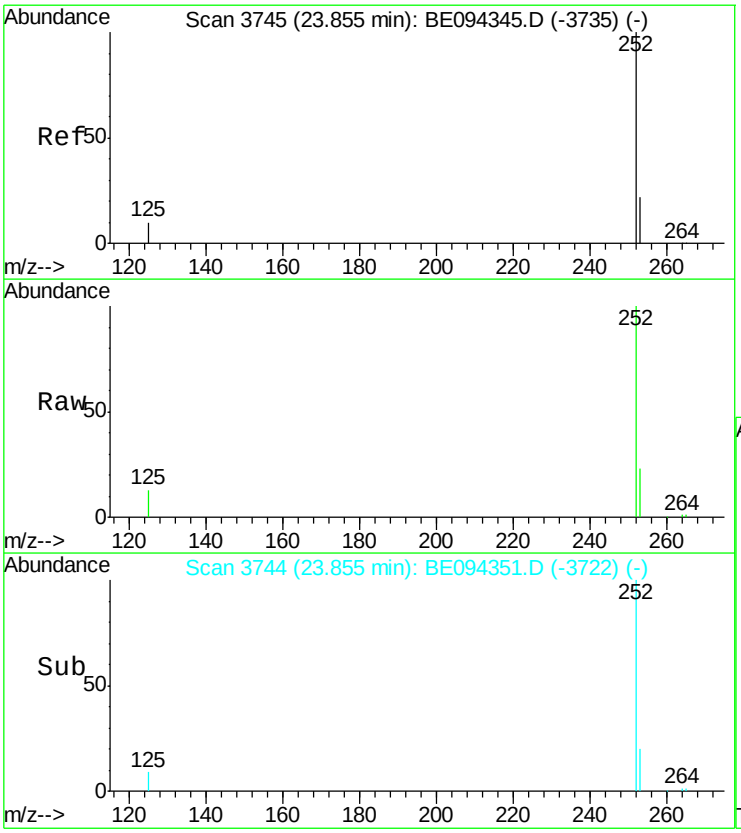
Tgt Ion:252 Resp: 205705

Ion	Ratio	Lower	Upper
252	100		
253	24.1	24.5	36.7#
125	13.5	13.7	20.5#

Instrument :
BNA_E
ClientSampleId :
DUP-2DL

Manual Integrations APPROVED
Sohil
10/16/2017 8:23:29 PM

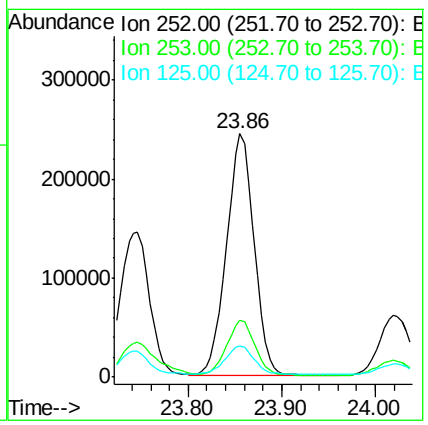


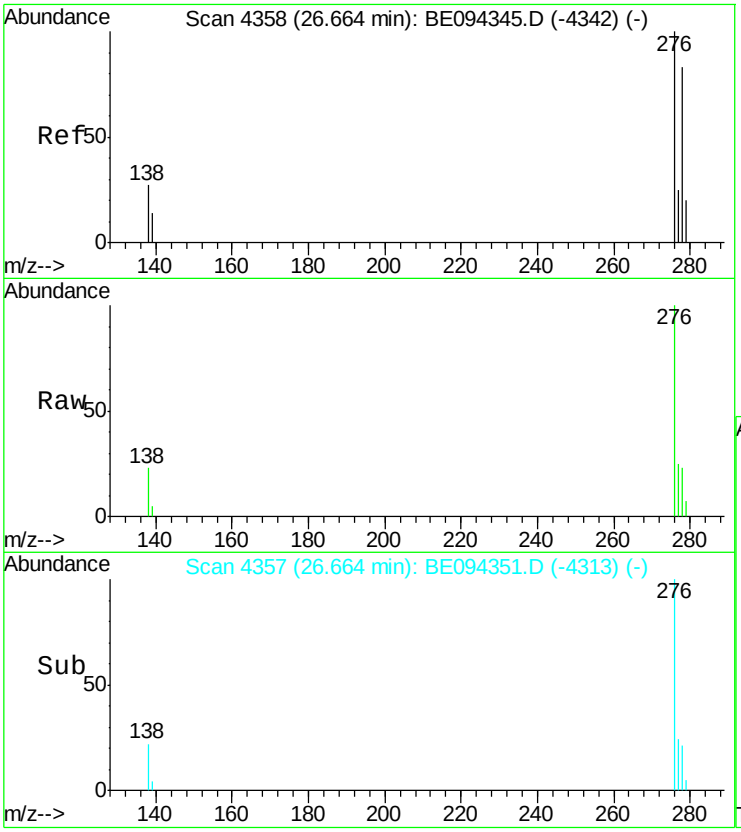


#23
Benzo(a)pyrene
Concen: 12.07 ng/ul
RT: 23.86 min Scan# 3744
Delta R.T. 0.00 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

Tgt Ion:252 Resp: 498271

Ion	Ratio	Lower	Upper
252	100		
253	23.3	28.5	42.7#
125	13.0	18.1	27.1#





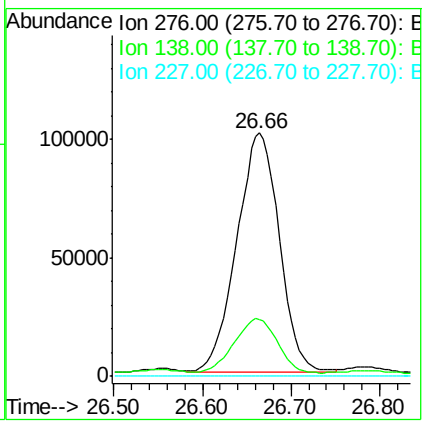
#24
Indeno(1,2,3-cd)pyrene
Concen: 8.00 ng/ul
RT: 26.66 min Scan# 4357
Delta R.T. 0.00 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

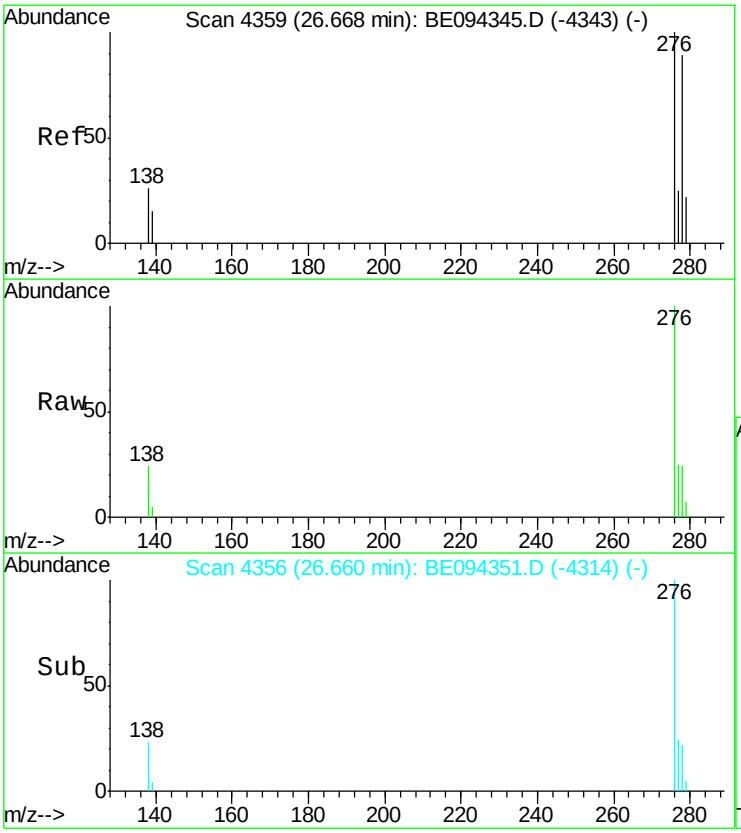
Tgt Ion:276 Resp: 337976

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

Instrument :
BNA_E
ClientSampleId :
DUP-2DL

Manual Integrations APPROVED
Sohil
10/16/2017 8:23:29 PM

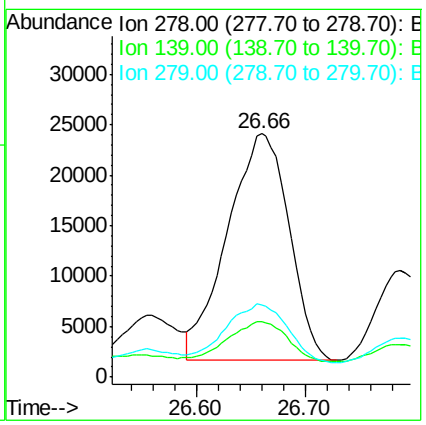


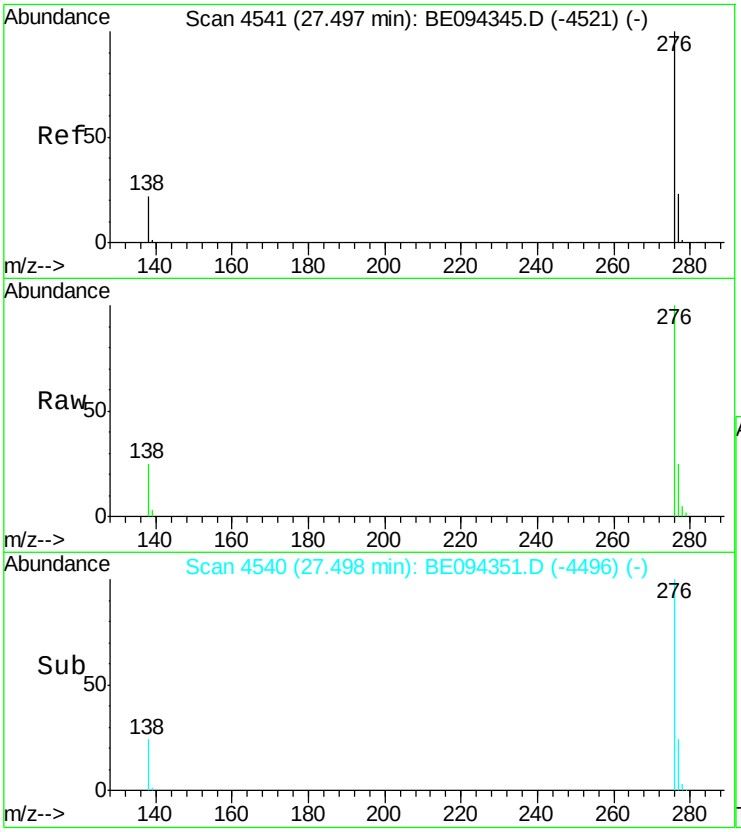


#25
Dibenzo(a,h)anthracene
Concen: 2.49 ng/ul
RT: 26.66 min Scan# 4356
Delta R.T. -0.01 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

Tgt Ion:278 Resp: 88162

Ion	Ratio	Lower	Upper
278	100		
139	22.8	17.4	26.0
279	29.8	25.9	38.9

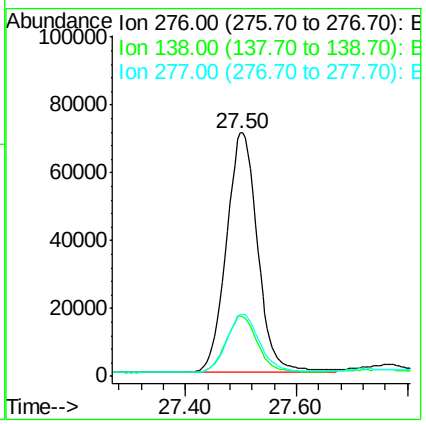




#26
Benzo(g,h,i)perylene
Concen: 7.61 ng/ul
RT: 27.50 min Scan# 4540
Delta R.T. 0.00 min
Lab File: BE094351.D
Acq: 14 Oct 2017 8:14

Tgt Ion:276 Resp: 277127

Ion	Ratio	Lower	Upper
276	100		
138	24.7	21.8	32.8
277	25.3	20.5	30.7



Instrument :
BNA_E
ClientSampleId :
DUP-2DL

Manual Integrations APPROVED
Sohil
10/16/2017 8:23:29 PM