Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102517\
Data File : BE094532.D
Acq On : 25 Oct 2017 14:22
Operator : SJ/JU
Sample : I5693-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations APPROVED
Sohil
10/27/2017 8:28:38 AM

Quant Time: Oct 25 18:57:21 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	1350	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.68	136	7206	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	14573m	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.26	188	10545	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	8072	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	7182m	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	3490	0.30	ng/ul	-0.03
14) Fluoranthene-d10	19.30	212	7487	0.24	ng/ul	0.02
Target Compounds						Qvalue
3) Naphthalene	10.73	128	41237	2.341	ng/ul#	94
5) 2-Methylnaphthalene	12.34	142	12092	0.981	ng/ul	100
7) Acenaphthylene	14.24	152	30969	0.470	ng/ul#	72
8) Acenaphthene	14.58	153	20233	0.427	ng/ul	93
9) Fluorene	15.57	166	33889	0.637	ng/ul	84
12) Phenanthrene	17.29	178	373407	13.406	ng/ul#	88
13) Anthracene	17.40	178	82152	2.989	ng/ul#	89
15) Fluoranthene	19.33	202	560194	17.397	ng/ul	83
17) Pyrene	19.70	202	523416	20.975	ng/ul#	80
18) Benzo(a)anthracene	21.42	228	247881	10.742	ng/ul#	90
19) Chrysene	21.47	228	254480	10.669	ng/ul	96
21) Benzo(b)fluoranthene	23.19	252	389266m	19.268	ng/ul	
22) Benzo(k)fluoranthene	23.23	252	93853m	4.335	ng/ul	
23) Benzo(a)pyrene	23.85	252	267259m	13.234	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.66	276	182204m	8.719	ng/ul	
25) Dibenzo(a,h)anthracene	26.66	278	52293m	2.970	ng/ul	
26) Benzo(g,h,i)perylene	27.50	276	143851m	8.573	ng/ul	

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102517\
Data File : BE094532.D
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Misc :
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QLast Update : Wed Oct 25 18:44:03 2017
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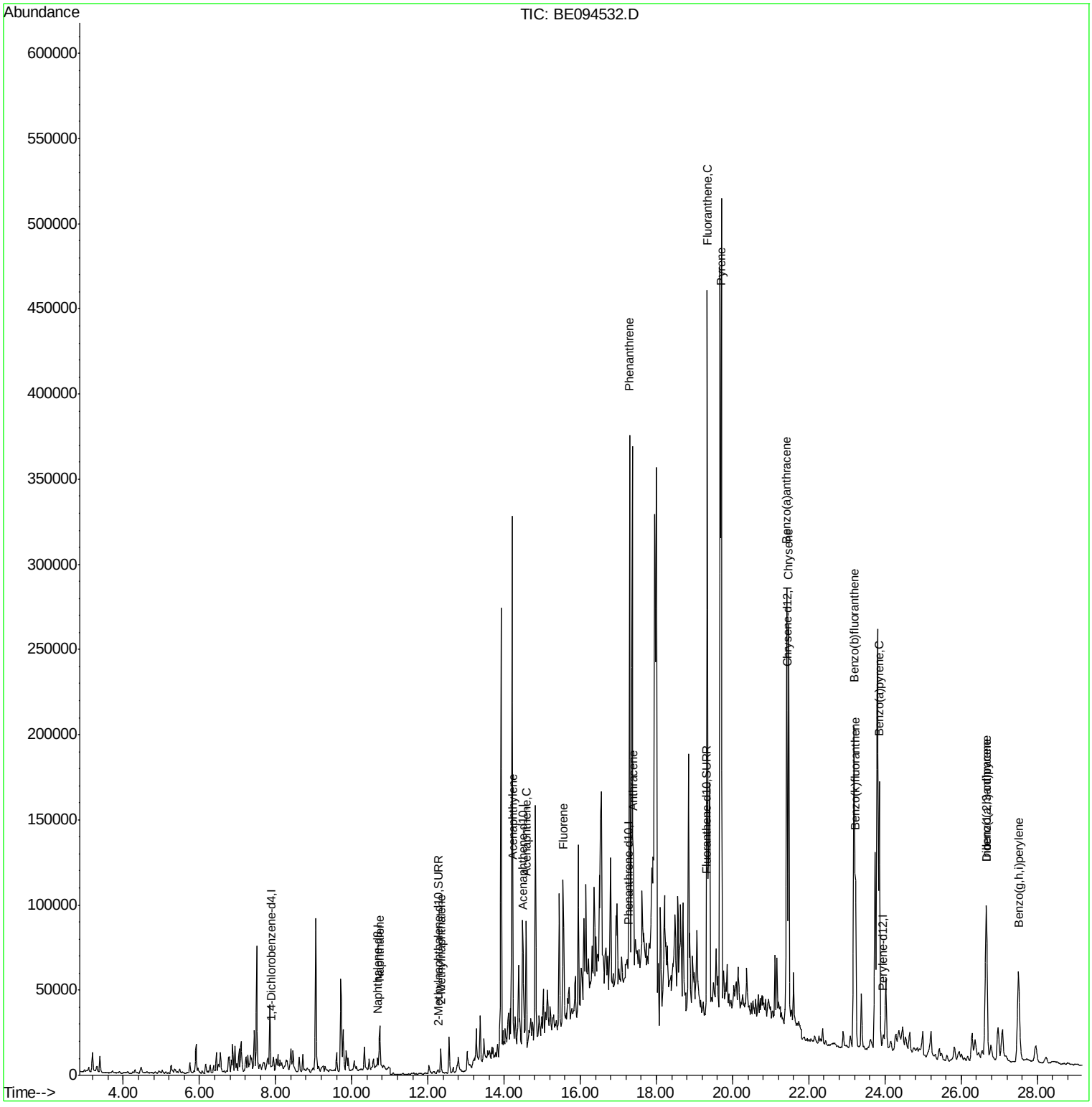
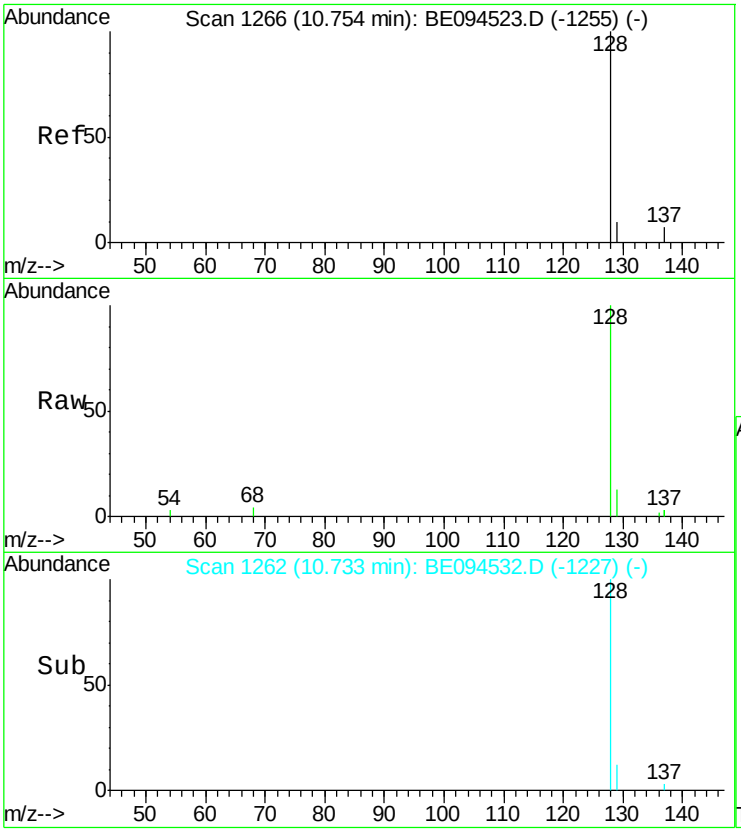
Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations APPROVED
Sohil
10/27/2017 8:28:38 AM





#3
Naphthalene
Concen: 2.341 ng/ul
RT: 10.73 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

Tgt Ion:128 Resp: 41237

Ion	Ratio	Lower	Upper
128	100		
129	13.0	11.3	16.9
127	0.0	4.0	6.0#

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations APPROVED
Sohil
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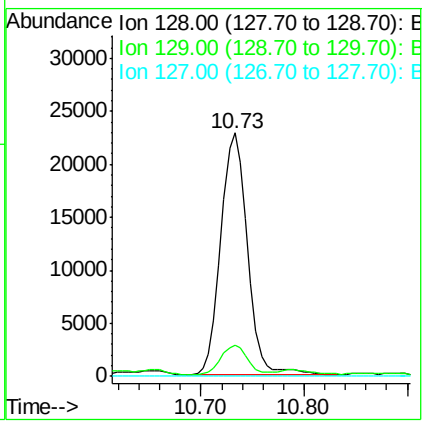
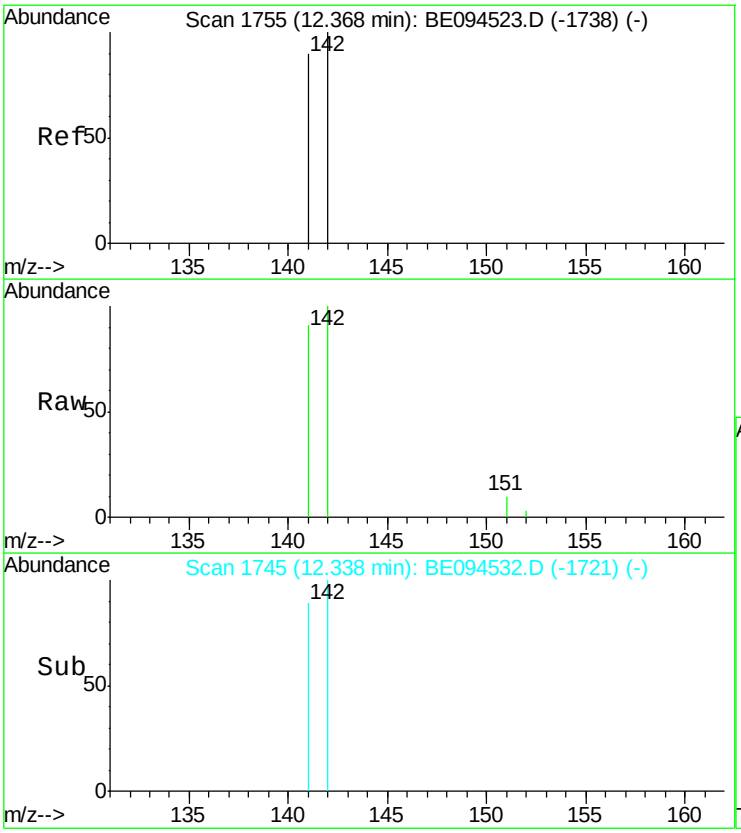
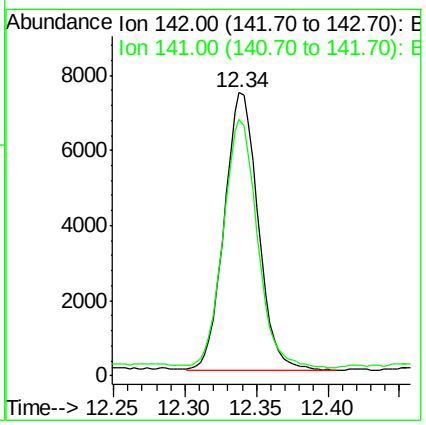


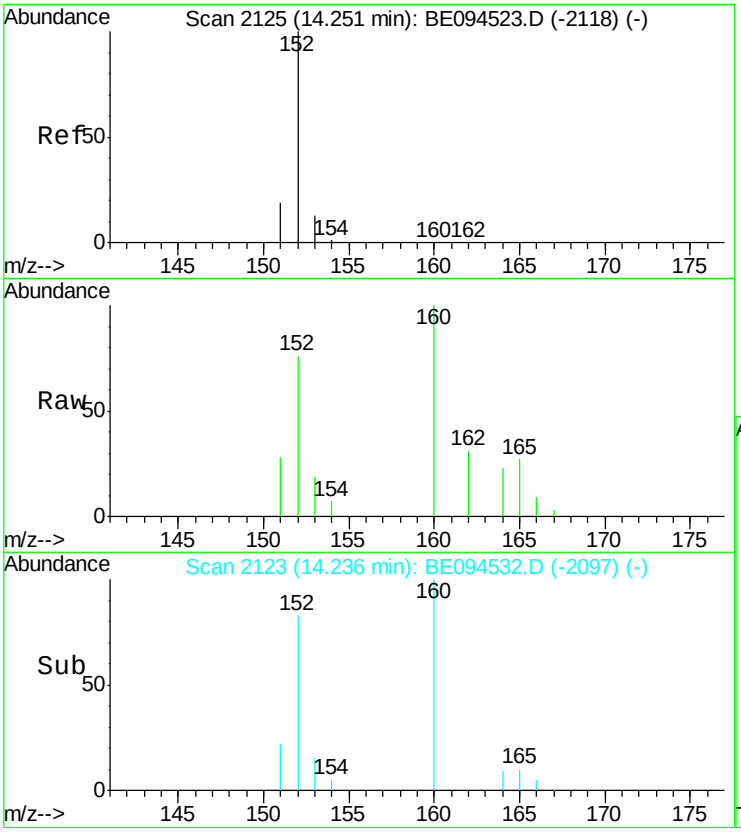


#5
2-Methylnaphthalene
Concen: 0.981 ng/ul
RT: 12.34 min Scan# 1745
Delta R.T. -0.03 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

Tgt Ion:142 Resp: 12092

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.6	108.8





#7
Acenaphthylene
Concen: 0.470 ng/ul
RT: 14.24 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

Tgt Ion:152 Resp: 30969

Ion	Ratio	Lower	Upper
152	100		
151	37.3	17.1	25.7#
153	24.6	12.8	19.2#

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations APPROVED
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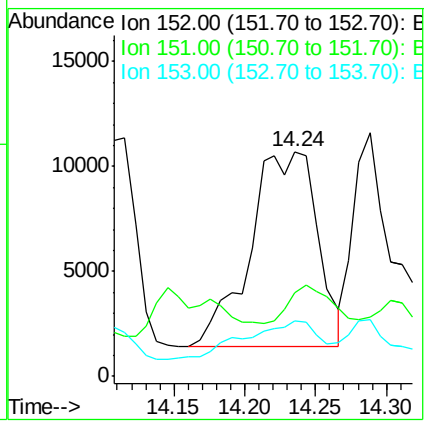
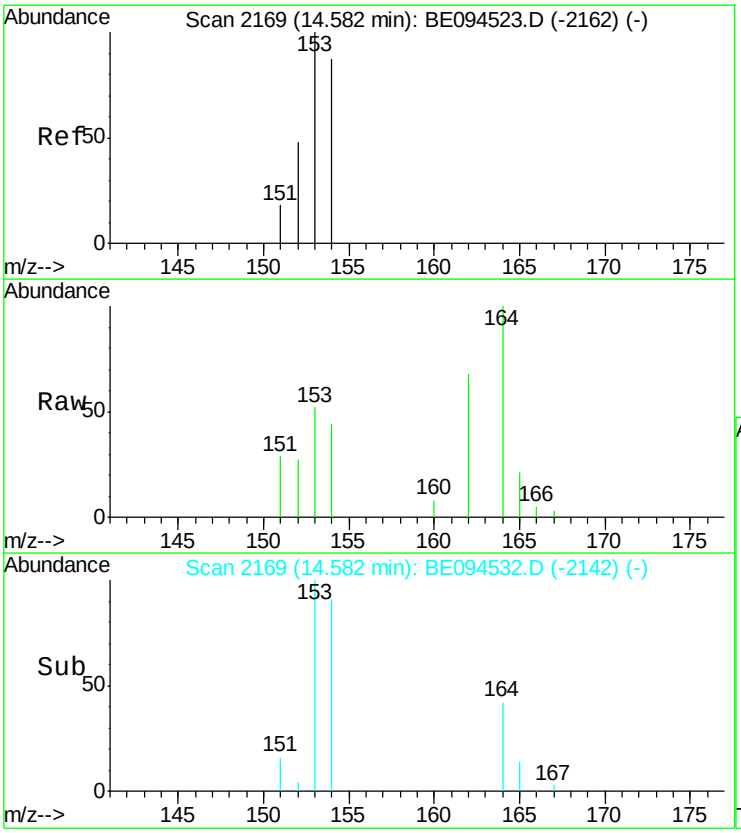
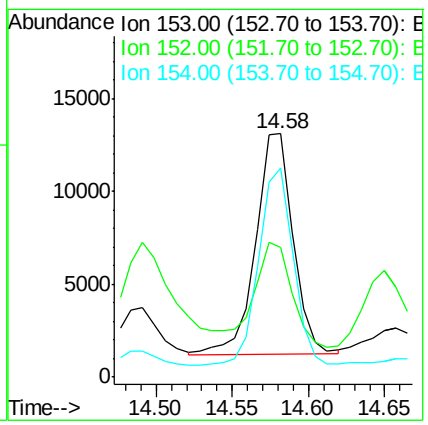


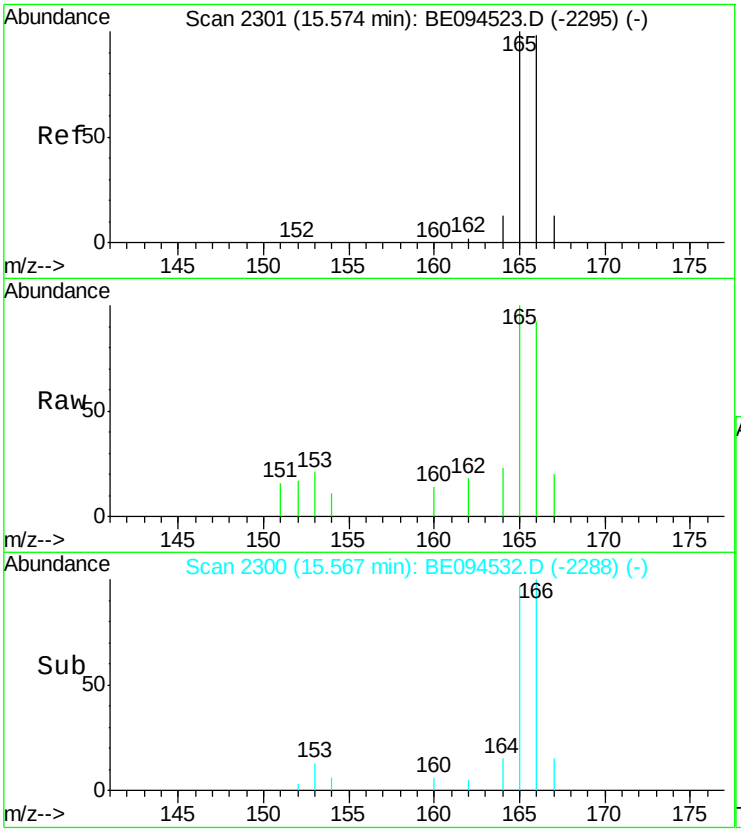


#8
Acenaphthene
Concen: 0.427 ng/ul
RT: 14.58 min Scan# 2169
Delta R.T. 0.00 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

Tgt Ion:153 Resp: 20233

Ion	Ratio	Lower	Upper
153	100		
152	53.2	36.0	54.0
154	85.7	72.0	108.0





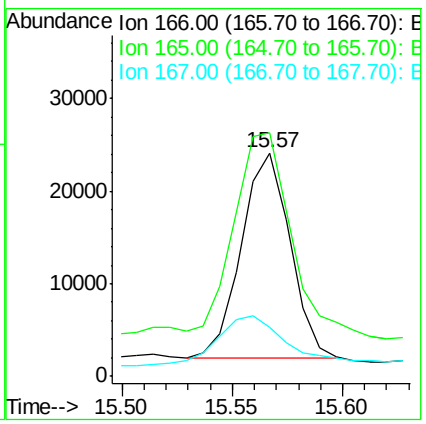
#9
Fluorene
Concen: 0.637 ng/ul
RT: 15.57 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

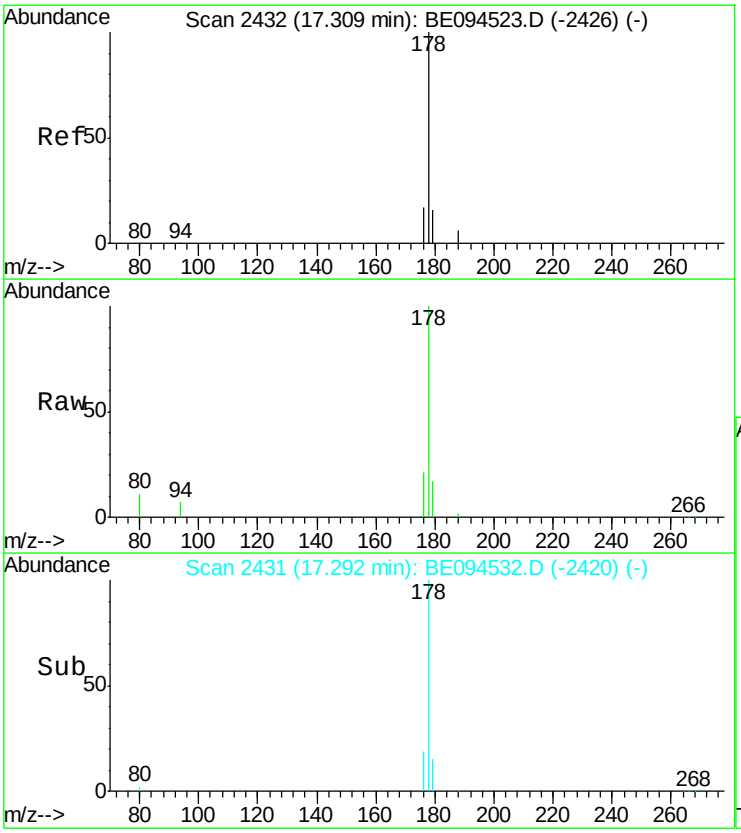
Tgt Ion:166 Resp: 33889

Ion	Ratio	Lower	Upper
166	100		
165	108.9	73.4	110.2
167	22.0	14.6	22.0

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations APPROVED
Sohil
10/27/2017 8:28:38 AM

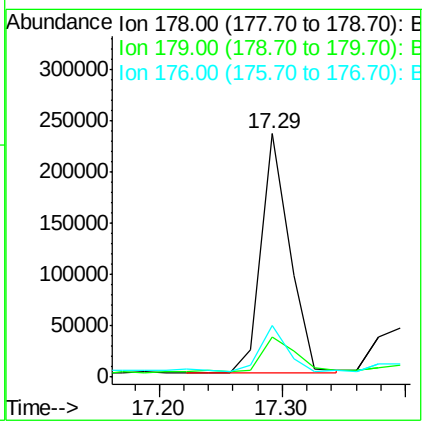


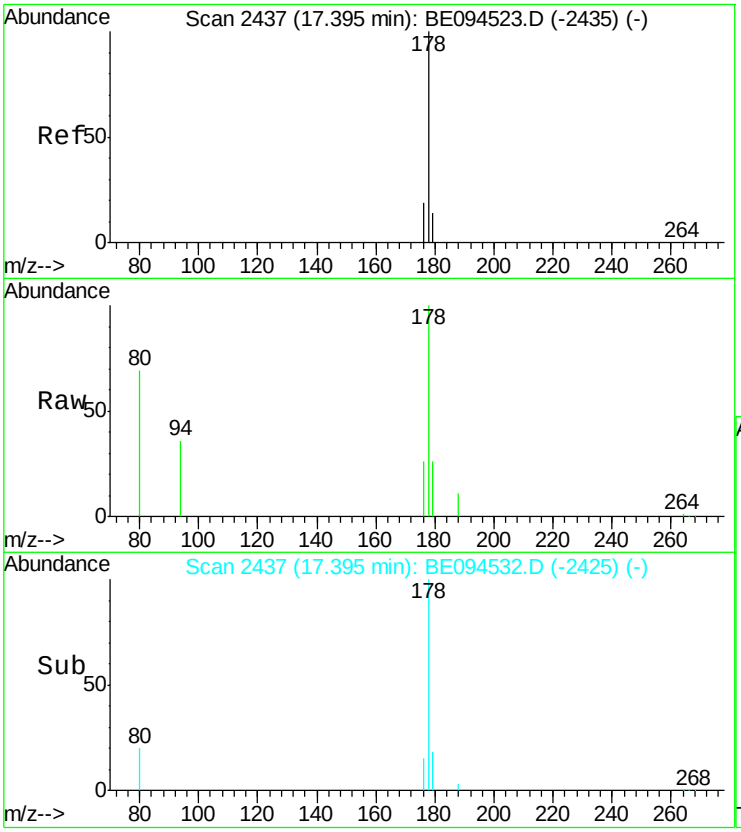


#12
Phenanthrene
Concen: 13.406 ng/ul
RT: 17.29 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

Tgt Ion:178 Resp: 373407

Ion	Ratio	Lower	Upper
178	100		
179	16.5	18.4	27.6#
176	21.2	13.6	20.4#





#13
Anthracene
Concen: 2.989 ng/ul
RT: 17.40 min Scan# 2437
Delta R.T. -0.00 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

Tgt Ion:178 Resp: 82152

Ion	Ratio	Lower	Upper
178	100		
179	25.5	18.1	27.1
176	26.3	14.7	22.1#

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations APPROVED
Sohil
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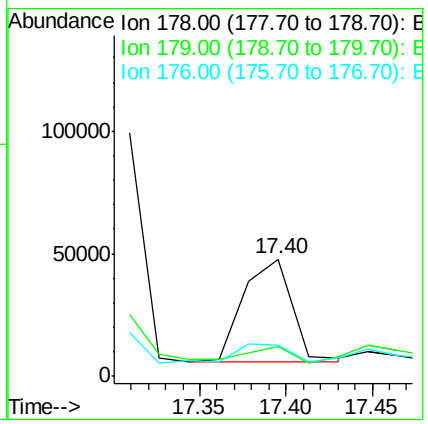
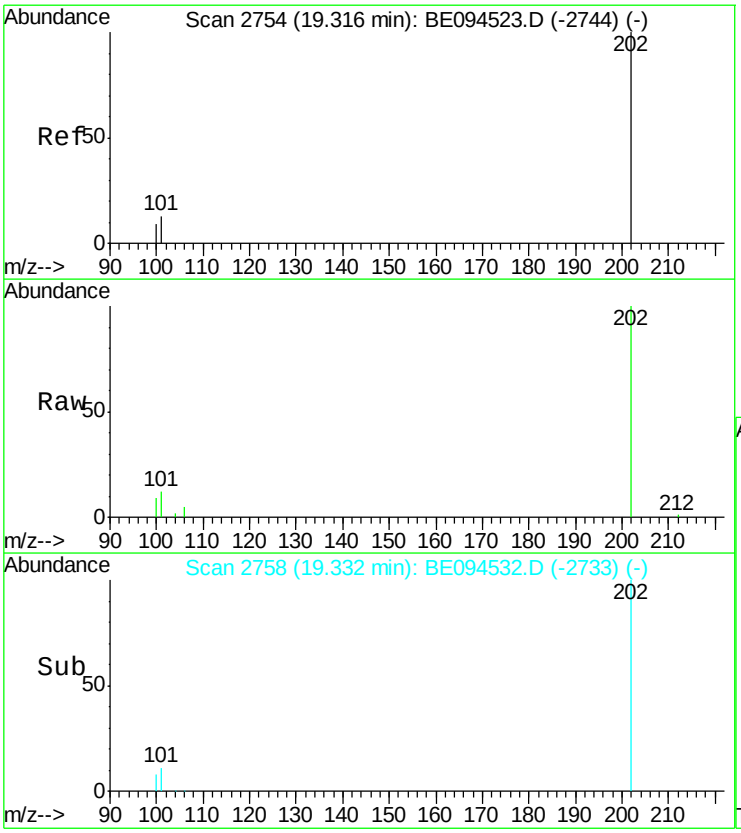
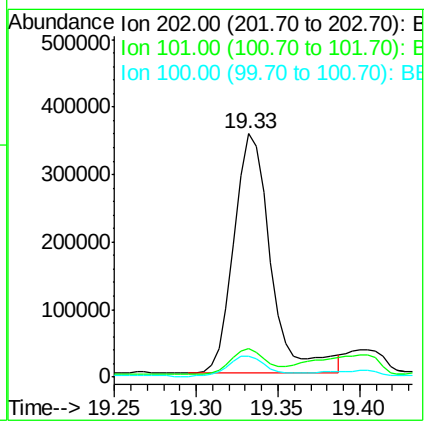


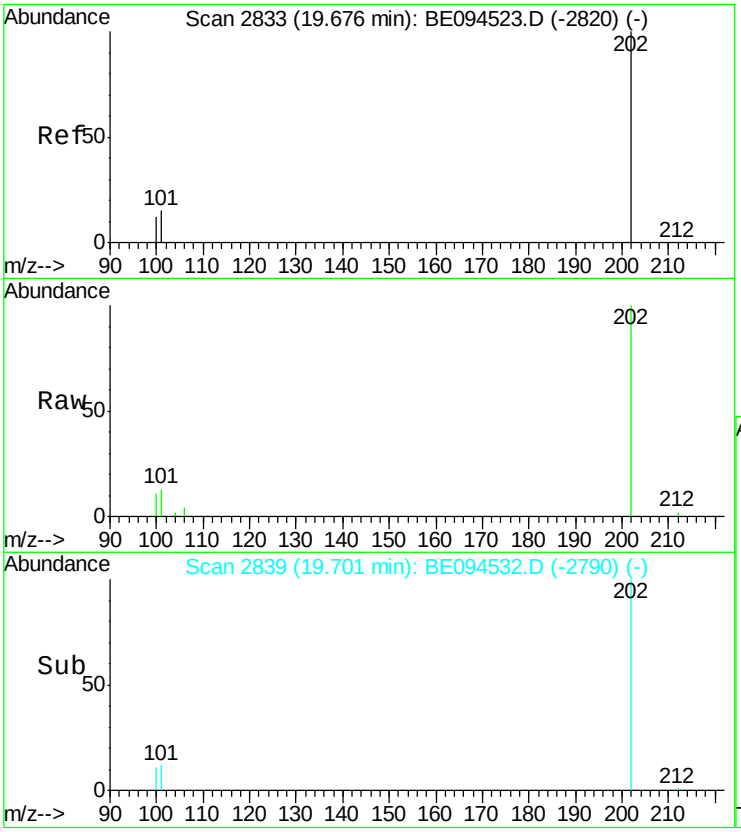


#15
Fluoranthene
Concen: 17.397 ng/ul
RT: 19.33 min Scan# 2758
Delta R.T. 0.02 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

Tgt Ion:202 Resp: 560194

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	30.3
100	8.8	0.0	39.5





#17
Pyrene
Concen: 20.975 ng/ul
RT: 19.70 min Scan# 2839
Delta R.T. 0.02 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

Tgt Ion:202 Resp: 523416

Ion	Ratio	Lower	Upper
202	100		
101	12.7	18.2	27.4#
100	10.9	15.6	23.4#

Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations APPROVED
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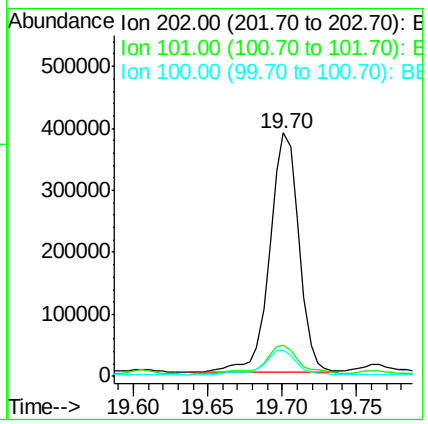
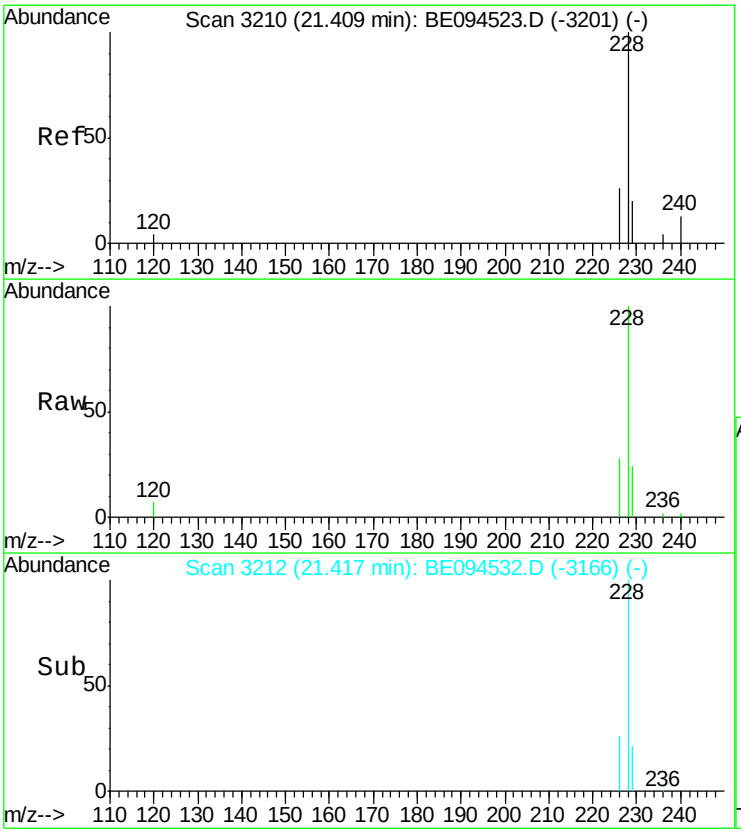
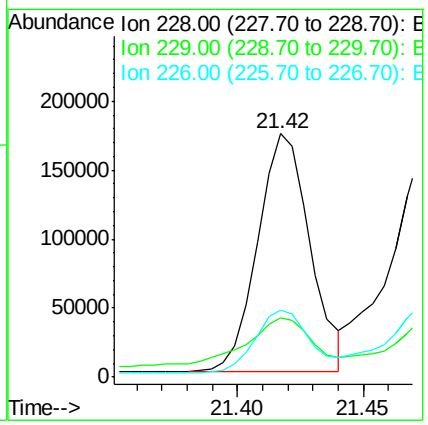


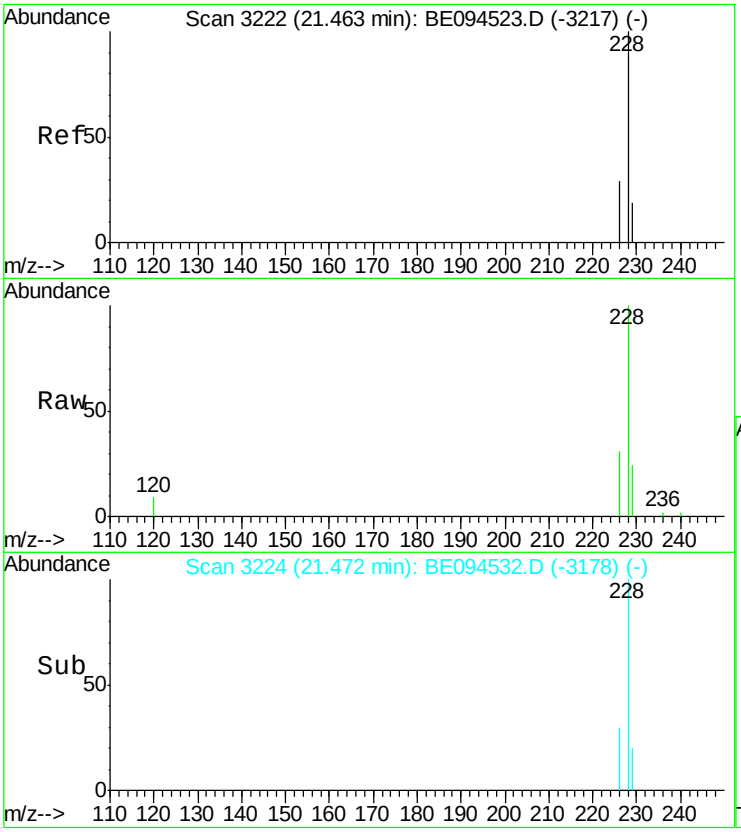


#18
Benzo(a)anthracene
Concen: 10.742 ng/ul
RT: 21.42 min Scan# 3212
Delta R.T. 0.01 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

Tgt Ion:228 Resp: 247881

Ion	Ratio	Lower	Upper
228	100		
229	24.4	22.8	34.2
226	27.7	17.0	25.6#

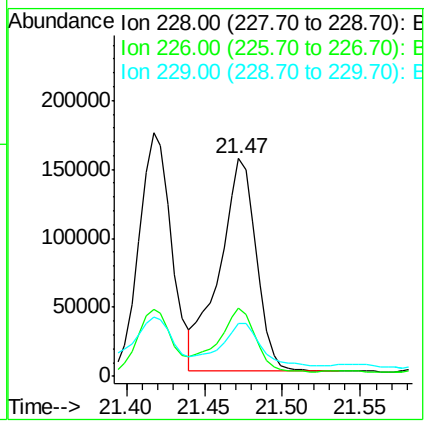




#19
Chrysene
Concen: 10.669 ng/ul
RT: 21.47 min Scan# 3224
Delta R.T. 0.01 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

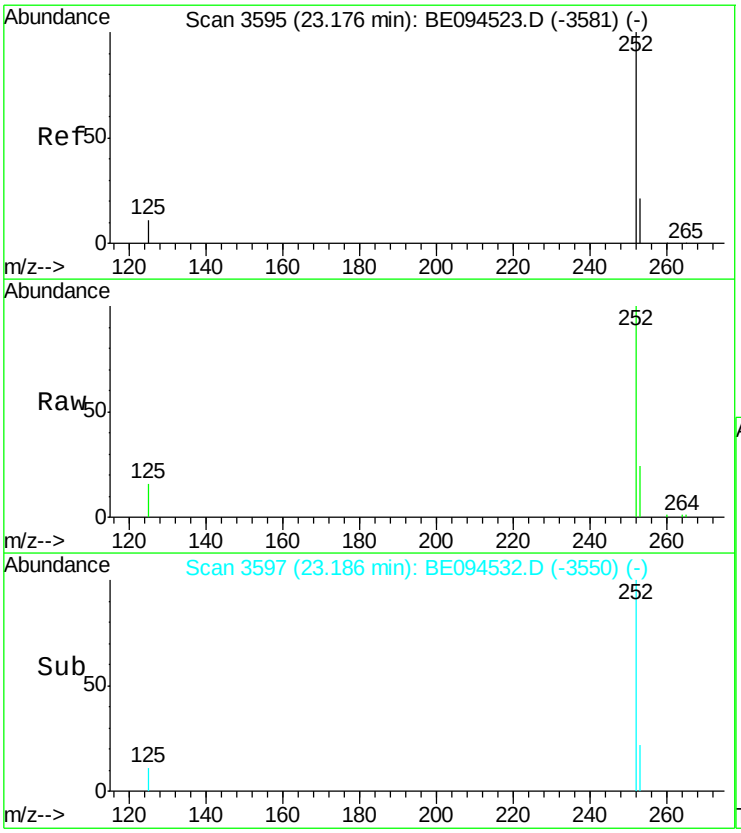
Tgt Ion:228 Resp: 254480

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.4	35.0
229	24.2	17.7	26.5



Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

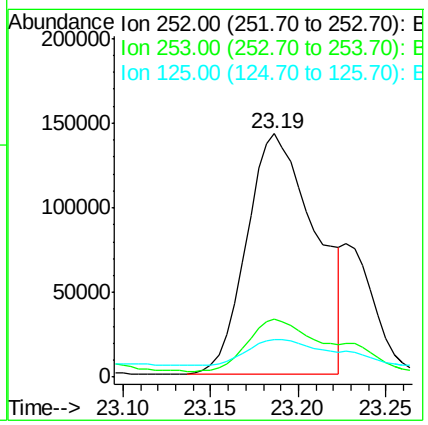
Manual Integrations APPROVED
Sohil
10/27/2017 8:28:38 AM

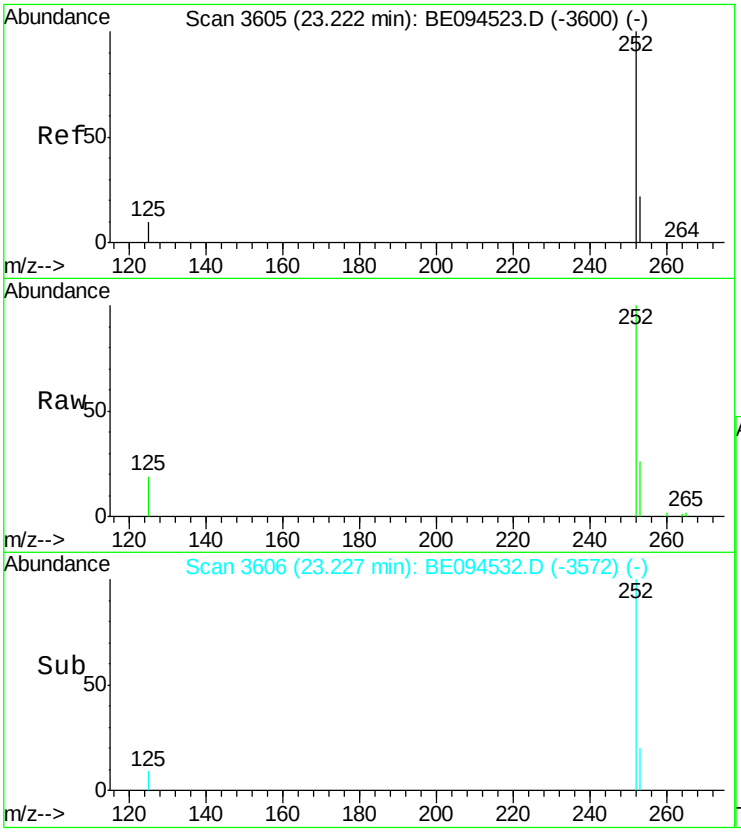


#21
Benzo(b)fluoranthene
Concen: 19.268 ng/ul m
RT: 23.19 min Scan# 3597
Delta R.T. 0.01 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

Tgt Ion:252 Resp: 389266

Ion	Ratio	Lower	Upper
252	100		
253	23.8	0.0	64.2
125	15.5	0.0	35.0

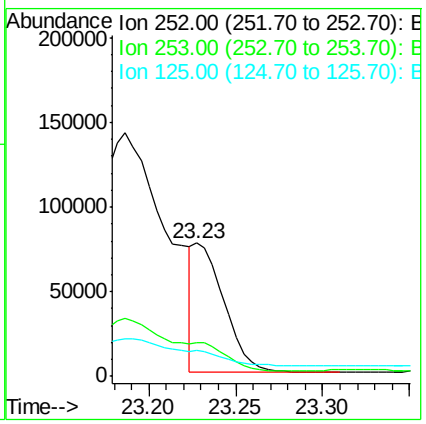




#22
Benzo(k)fluoranthene
Concen: 4.335 ng/ul m
RT: 23.23 min Scan# 3606
Delta R.T. 0.01 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

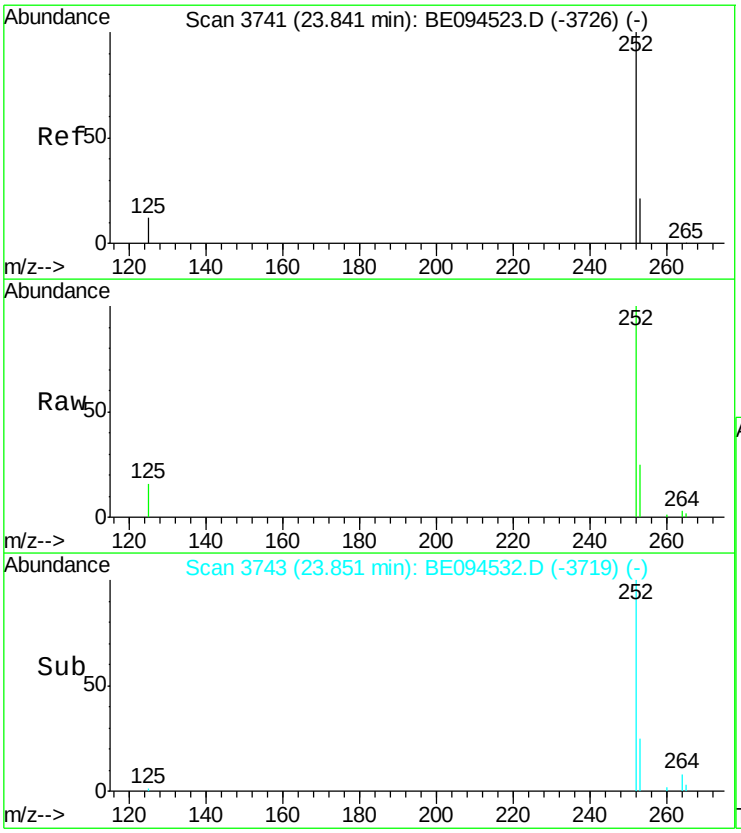
Tgt Ion:252 Resp: 93853

Ion	Ratio	Lower	Upper
252	100		
253	25.5	24.5	36.7
125	19.0	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

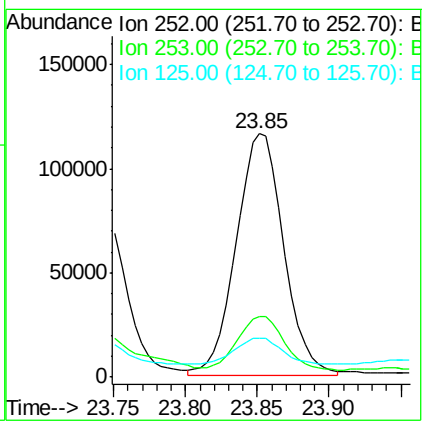
Manual Integrations APPROVED
Sohil
10/27/2017 8:28:38 AM

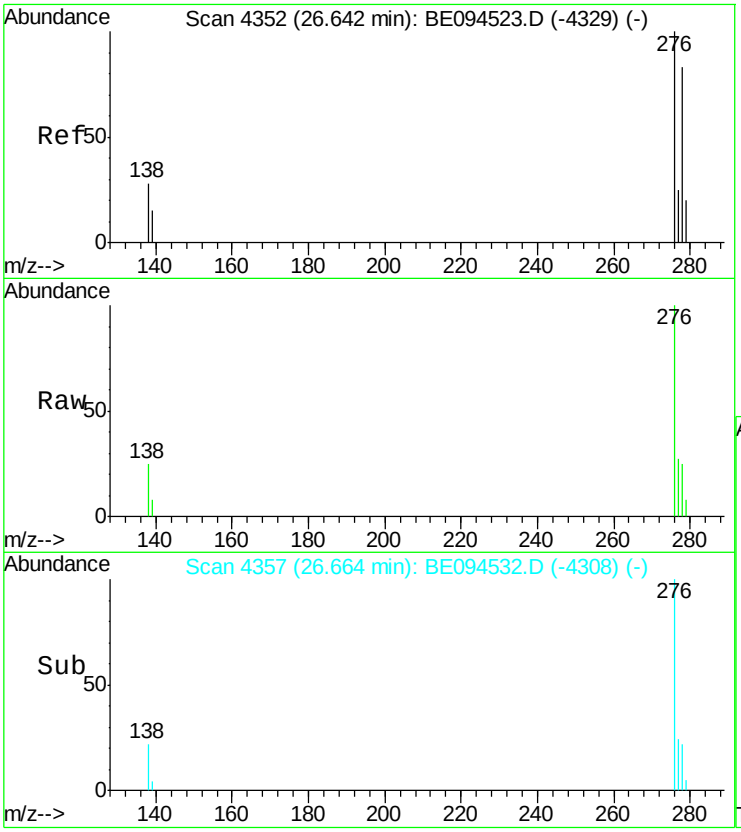


#23
Benzo(a)pyrene
Concen: 13.234 ng/ul m
RT: 23.85 min Scan# 3743
Delta R.T. 0.01 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

Tgt Ion:252 Resp: 267259

Ion	Ratio	Lower	Upper
252	100		
253	25.1	28.5	42.7#
125	16.0	18.1	27.1#





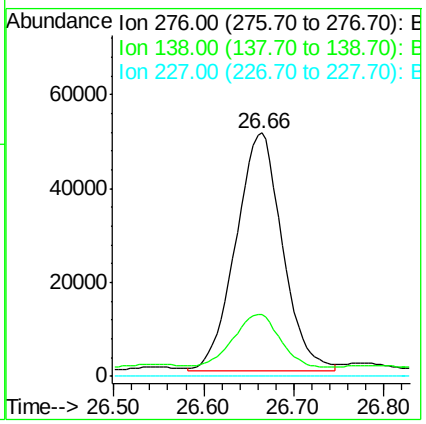
#24
Indeno(1,2,3-cd)pyrene
Concen: 8.719 ng/ul m
RT: 26.66 min Scan# 4357
Delta R.T. 0.02 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

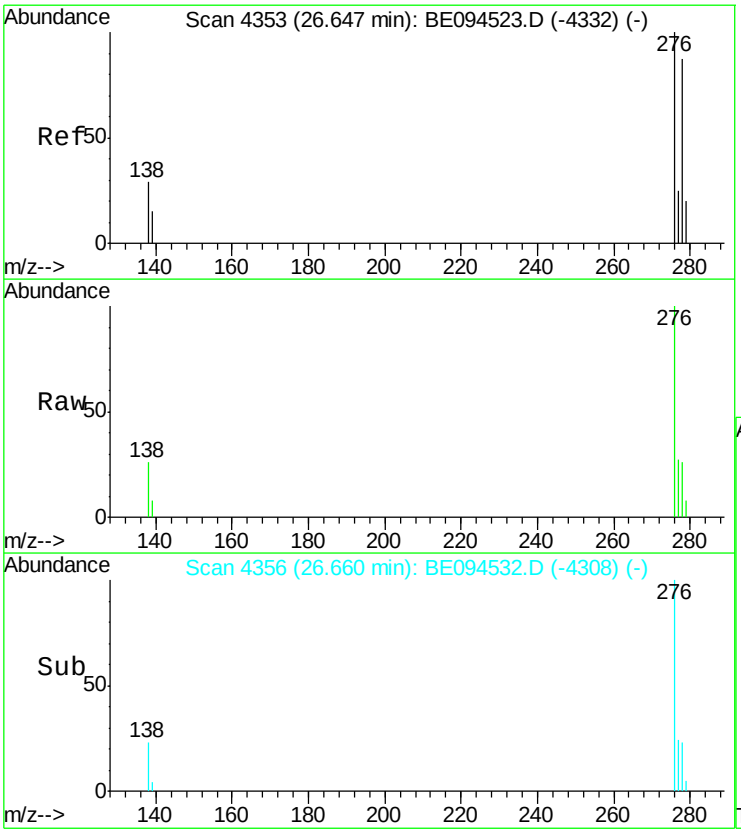
Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations APPROVED
Sohil
10/27/2017 8:28:38 AM

Tgt Ion:276 Resp: 182204

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

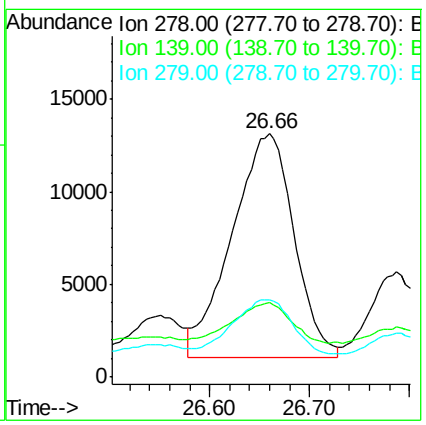


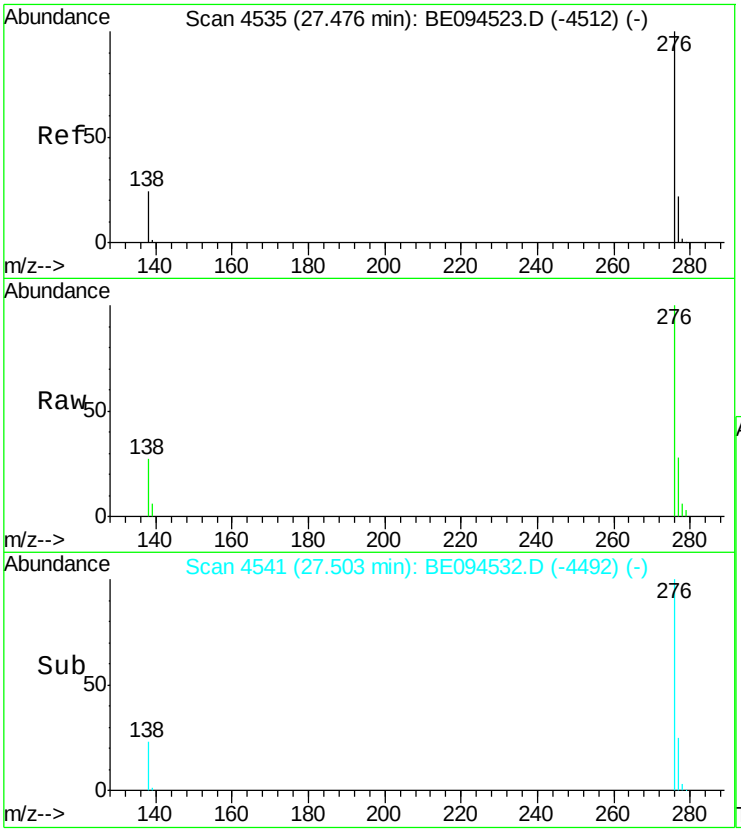


#25
Dibenzo(a,h)anthracene
Concen: 2.970 ng/ul m
RT: 26.66 min Scan# 4356
Delta R.T. 0.02 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

Tgt Ion:278 Resp: 52293

Ion	Ratio	Lower	Upper
278	100		
139	30.5	17.4	26.0#
279	31.8	25.9	38.9

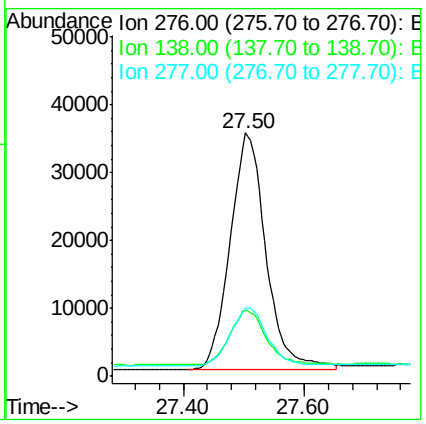




#26
Benzo(g,h,i)perylene
Concen: 8.573 ng/ul m
RT: 27.50 min Scan# 4541
Delta R.T. 0.02 min
Lab File: BE094532.D
Acq: 25 Oct 2017 14:22

Tgt Ion:276 Resp: 143851

Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.8	32.8
277	28.1	20.5	30.7



Instrument :
BNA_E
ClientSampleId :
B-33(3.5-4.5)-100417

Manual Integrations APPROVED
Sohil
10/27/2017 8:28:38 AM