Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094371.D
Acq On : 15 Oct 2017 00:54
Operator : SJ/JU
Sample : I5548-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations APPROVED
Sohil
10/16/2017 8:25:30 PM

Quant Time: Oct 16 05:18:08 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 05:09:03 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1476	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	8142	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	5121	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11454m	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	9906	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	9353m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	3593	0.28	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	8655	0.23	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.75	128	1654	0.083	ng/ul#	72
5) 2-Methylnaphthalene	12.36	142	1511	0.117	ng/ul	100
7) Acenaphthylene	14.25	152	835	0.042	ng/ul#	67
8) Acenaphthene	14.59	153	1452	0.088	ng/ul	97
9) Fluorene	15.57	166	1333	0.069	ng/ul#	70
12) Phenanthrene	17.29	178	23299	0.778	ng/ul#	89
13) Anthracene	17.40	178	4837	0.166	ng/ul#	78
15) Fluoranthene	19.32	202	51783	1.317	ng/ul	83
17) Pyrene	19.68	202	46878	1.701	ng/ul#	82
18) Benzo(a)anthracene	21.41	228	24360	0.927	ng/ul#	74
19) Chrysene	21.46	228	27015	0.890	ng/ul#	70
21) Benzo(b)fluoranthene	23.18	252	32121	1.264	ng/ul#	67
22) Benzo(k)fluoranthene	23.22	252	12588m	0.429	ng/ul	
23) Benzo(a)pyrene	23.84	252	22045m	0.835	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.64	276	16385m	0.607	ng/ul	
25) Dibenzo(a,h)anthracene	26.64	278	3556m	0.157	ng/ul	
26) Benzo(g,h,i)perylene	27.48	276	12765m	0.548	ng/ul	

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

Quantitation Report (QT Reviewed)

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BNA_E
ClientSampleId :
C0AB8

Manual Integrations APPROVED
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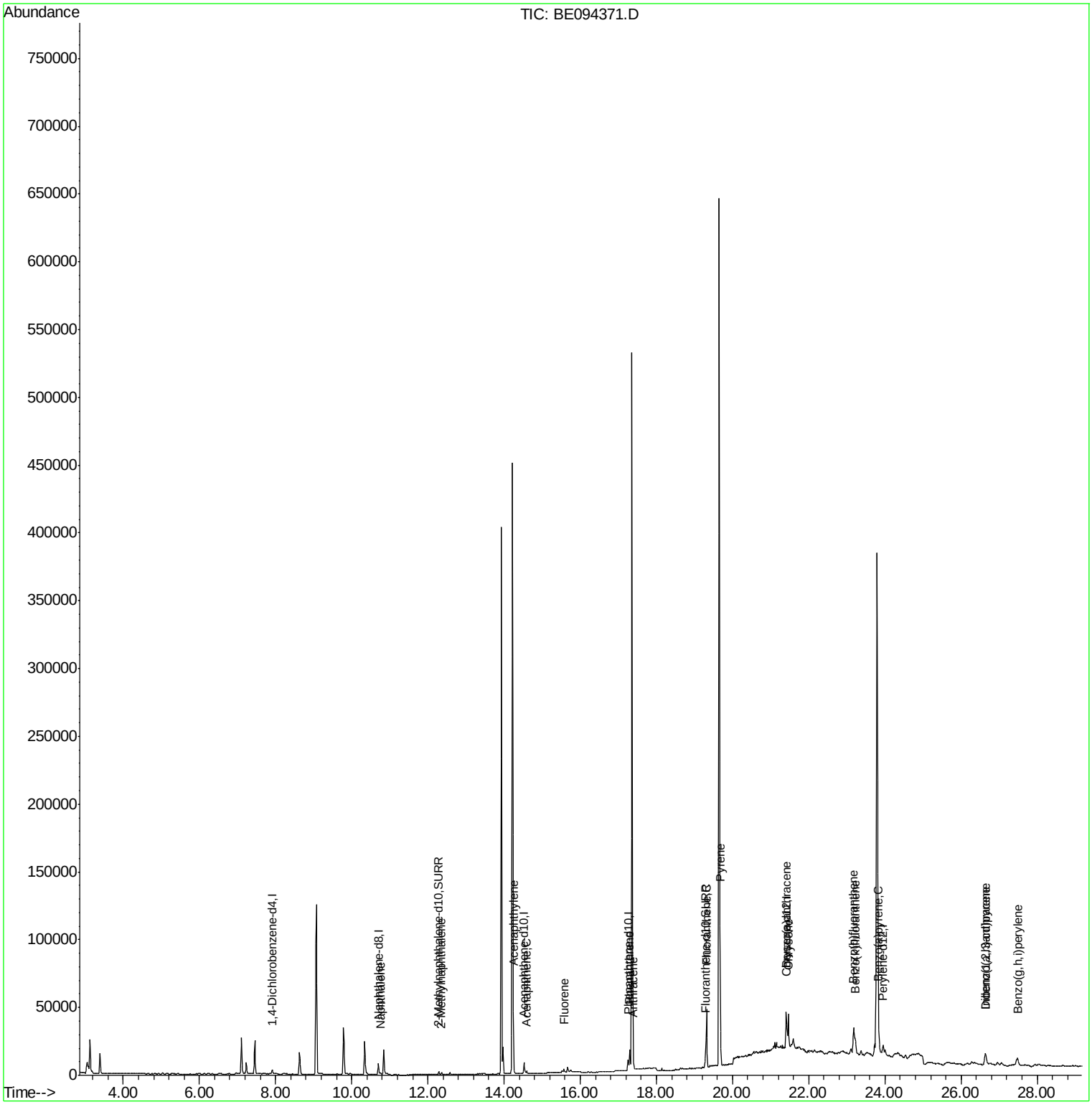

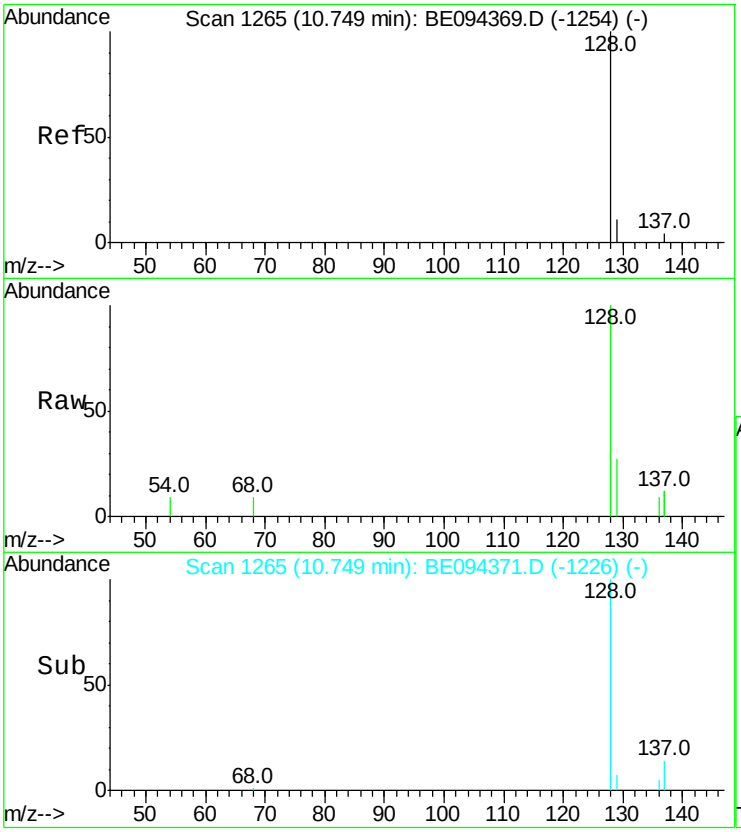

#3
Naphthalene
Concen: 0.083 ng/ul
RT: 10.75 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

Tgt Ion:128 Resp: 1654

Ion	Ratio	Lower	Upper
128	100		
129	27.4	11.3	16.9#
127	0.0	4.0	6.0#

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations APPROVED
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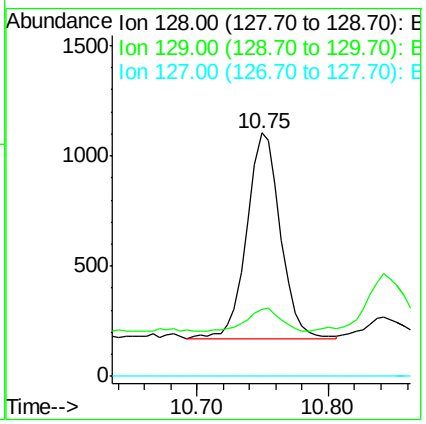
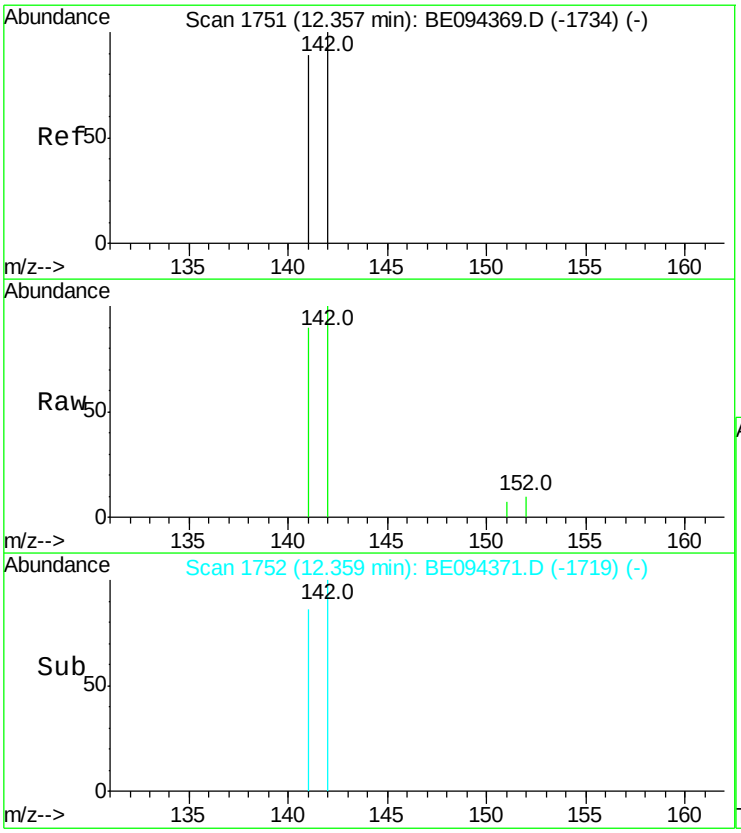
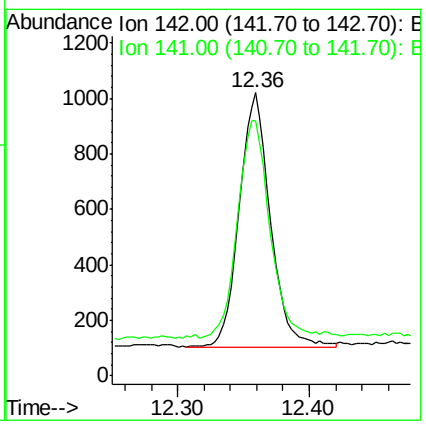


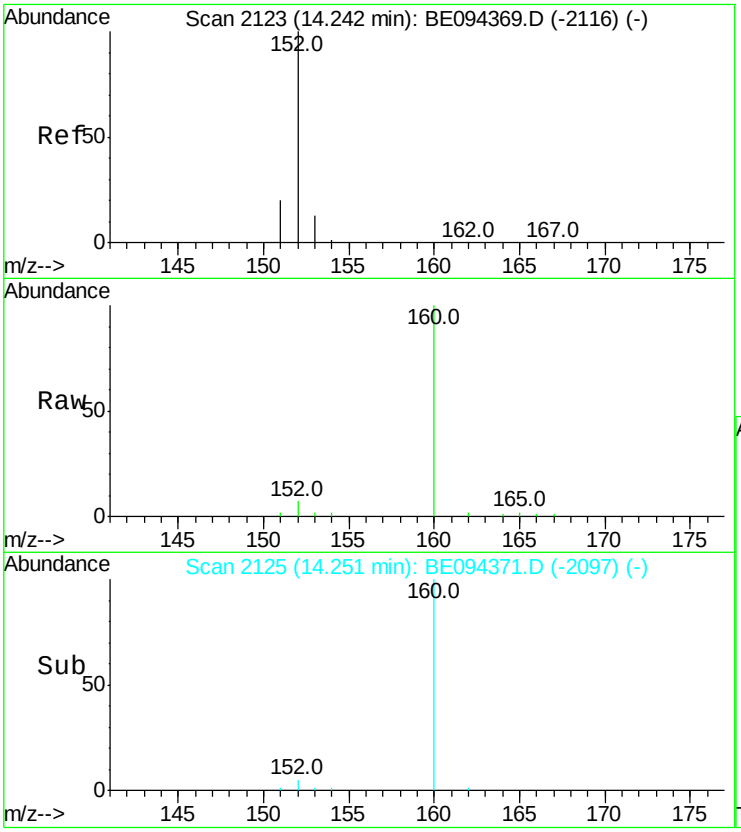


#5
2-Methylnaphthalene
Concen: 0.117 ng/ul
RT: 12.36 min Scan# 1752
Delta R.T. 0.00 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

Tgt Ion:142 Resp: 1511

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.6	108.8





#7
Acenaphthylene
Concen: 0.042 ng/ul
RT: 14.25 min Scan# 2125
Delta R.T. 0.01 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

Tgt Ion:152 Resp: 835

Ion	Ratio	Lower	Upper
152	100		
151	33.9	17.1	25.7#
153	33.8	12.8	19.2#

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations APPROVED
Sohil
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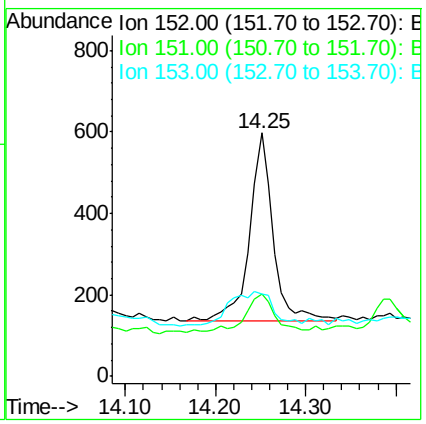
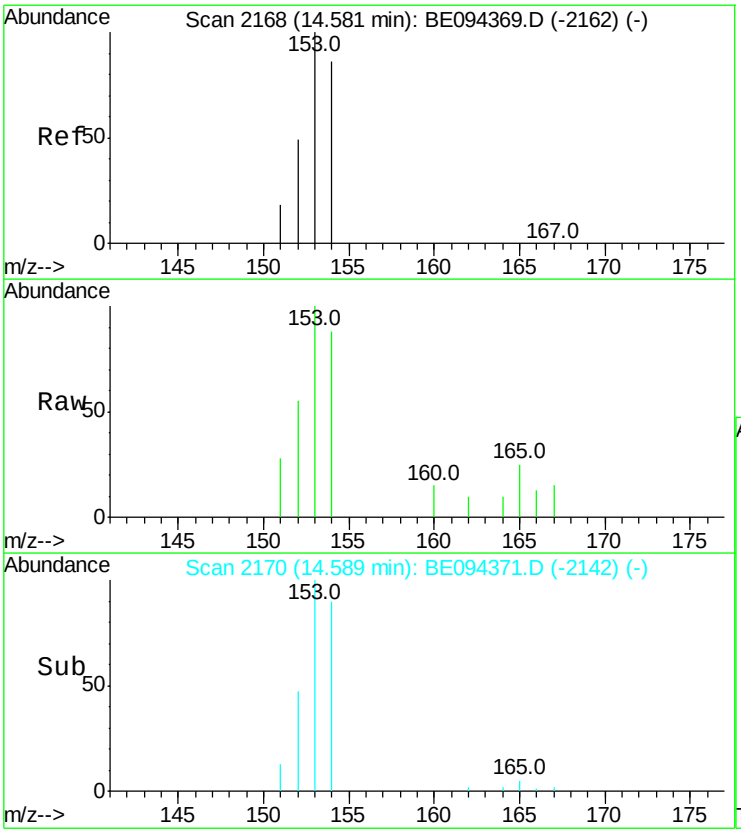
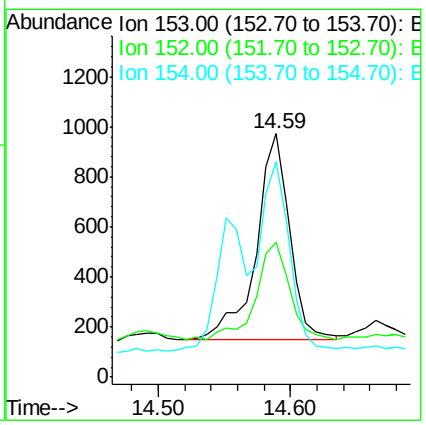


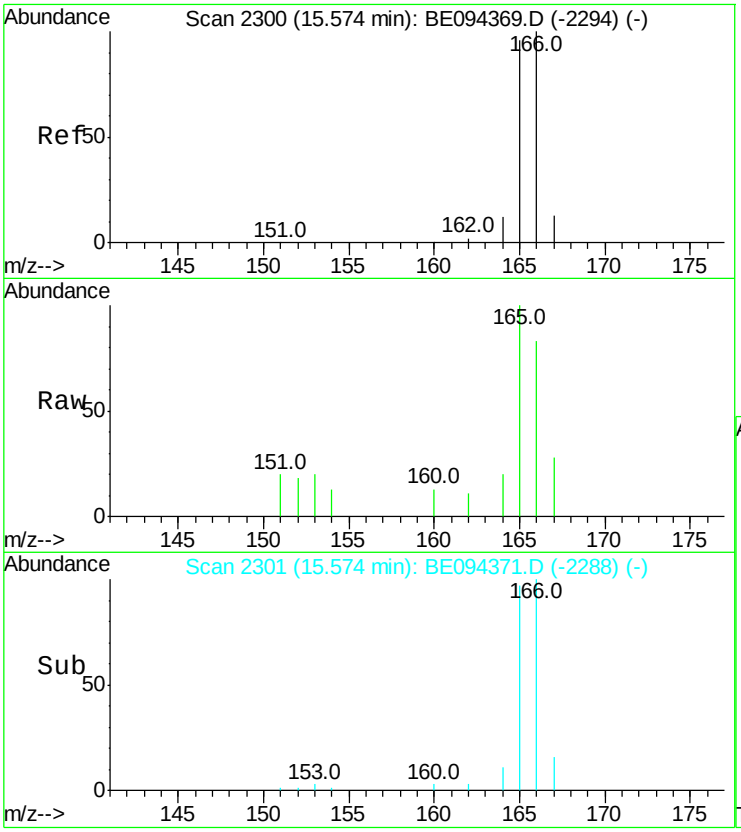


#8
Acenaphthene
Concen: 0.088 ng/ul
RT: 14.59 min Scan# 2170
Delta R.T. 0.01 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

Tgt Ion:153 Resp: 1452

Ion	Ratio	Lower	Upper
153	100		
152	55.3	40.3	60.5
154	88.3	71.4	107.2

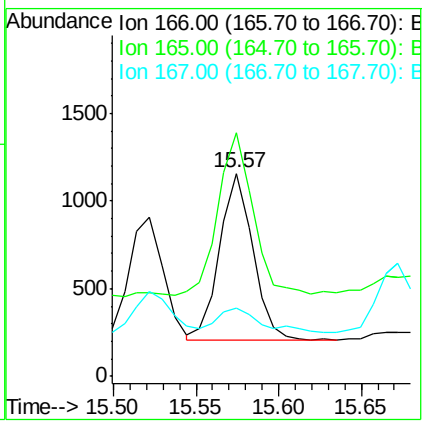




#9
Fluorene
Concen: 0.069 ng/ul
RT: 15.57 min Scan# 2301
Delta R.T. 0.00 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

Tgt Ion:166 Resp: 1333

Ion	Ratio	Lower	Upper
166	100		
165	119.8	73.4	110.2#
167	33.5	14.6	22.0#



Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations APPROVED
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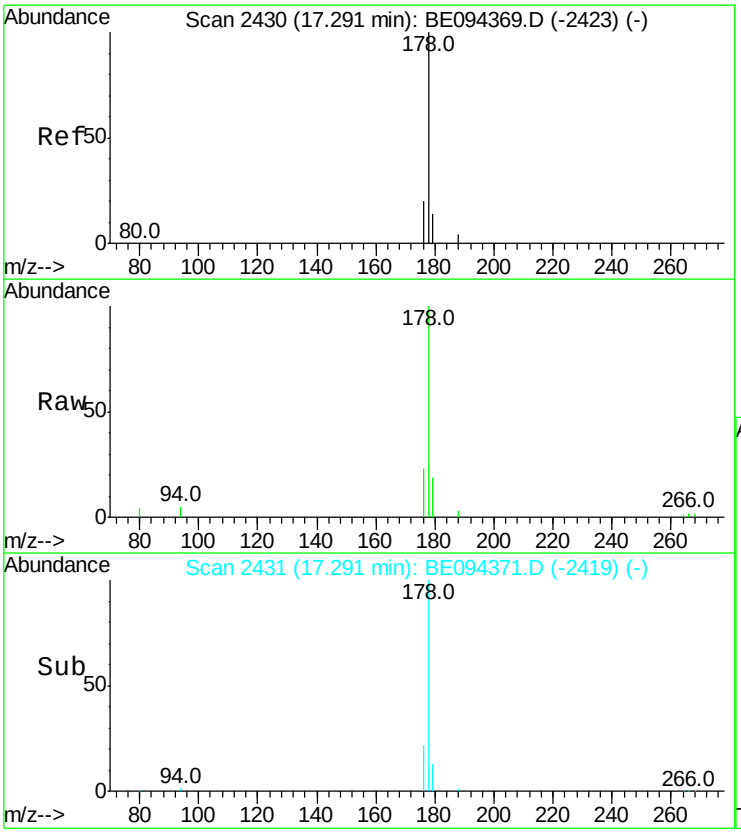
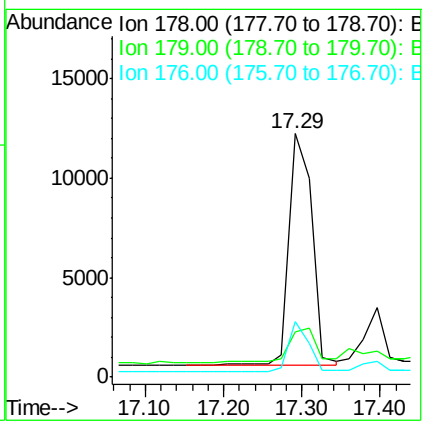
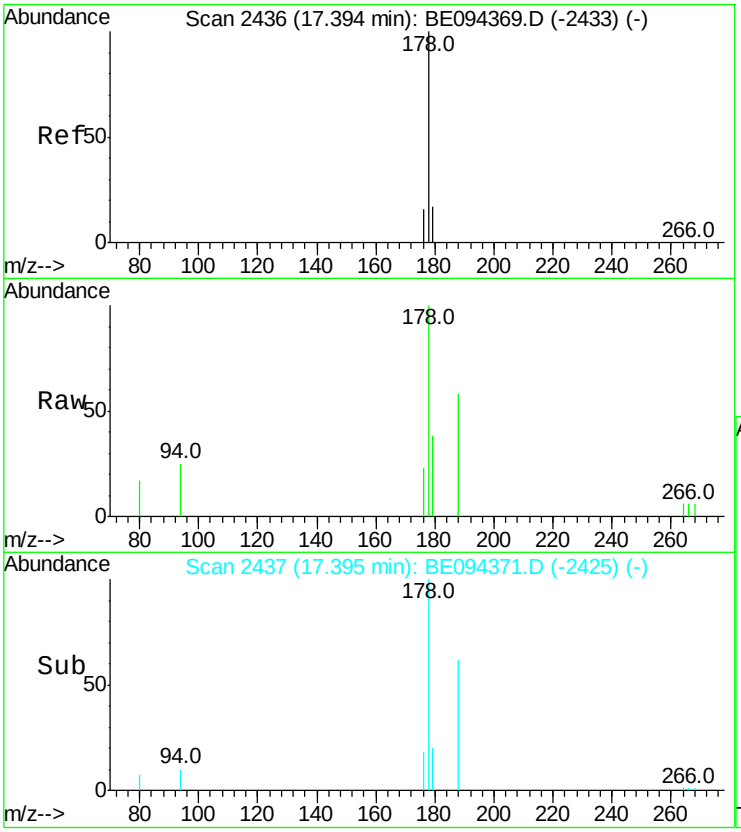


#12
Phenanthrene
Concen: 0.778 ng/ul
RT: 17.29 min Scan# 2431
Delta R.T. 0.00 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

Tgt Ion:178 Resp: 23299

Ion	Ratio	Lower	Upper
178	100		
179	18.5	18.4	27.6
176	22.8	13.6	20.4#





#13
Anthracene
Concen: 0.166 ng/ul
RT: 17.40 min Scan# 2437
Delta R.T. 0.00 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

Tgt Ion:178 Resp: 4837

Ion	Ratio	Lower	Upper
178	100		
179	37.6	18.1	27.1#
176	22.8	14.7	22.1#

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations APPROVED
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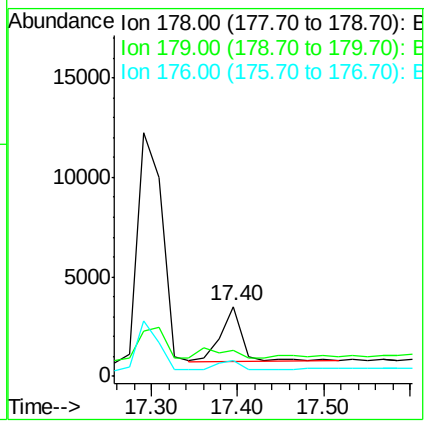
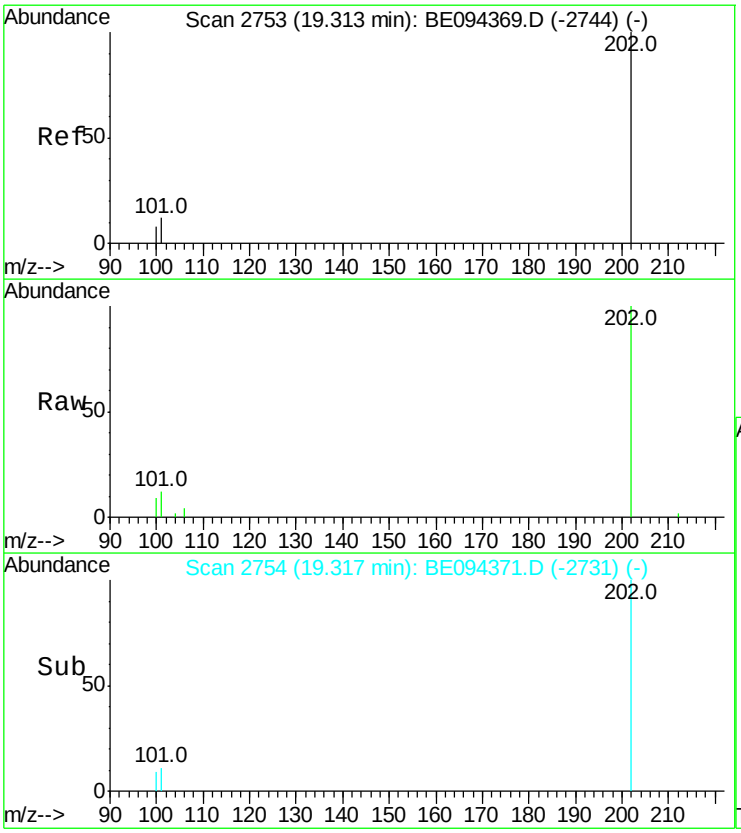
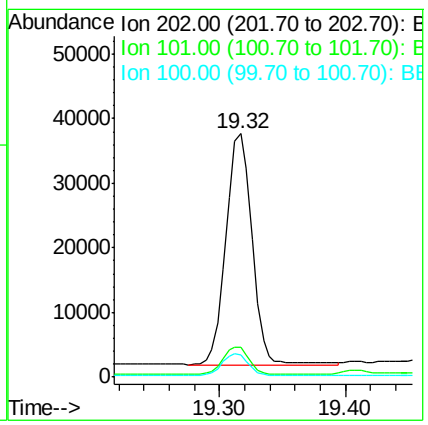


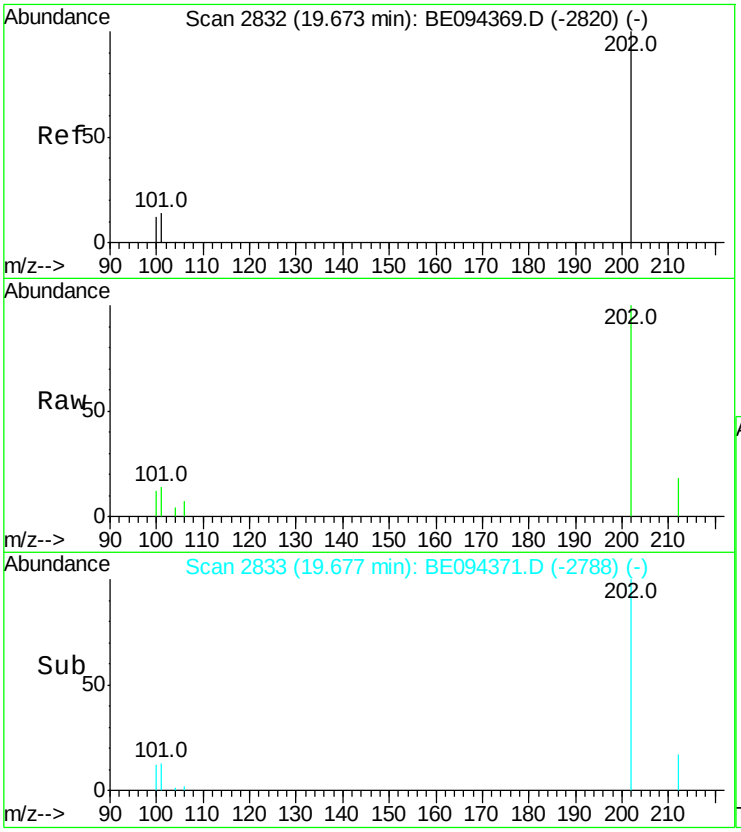


#15
Fluoranthene
Concen: 1.317 ng/ul
RT: 19.32 min Scan# 2754
Delta R.T. 0.00 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

Tgt Ion:202 Resp: 51783

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	30.3
100	9.1	0.0	39.5





#17
Pyrene
Concen: 1.701 ng/ul
RT: 19.68 min Scan# 2833
Delta R.T. 0.00 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

Tgt Ion:202 Resp: 46878

Ion	Ratio	Lower	Upper
202	100		
101	14.0	18.2	27.4#
100	11.7	15.6	23.4#

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations APPROVED
Sohil
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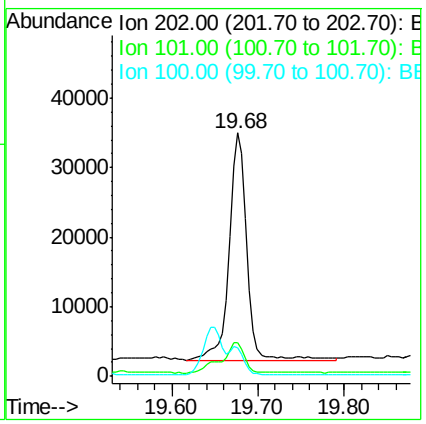
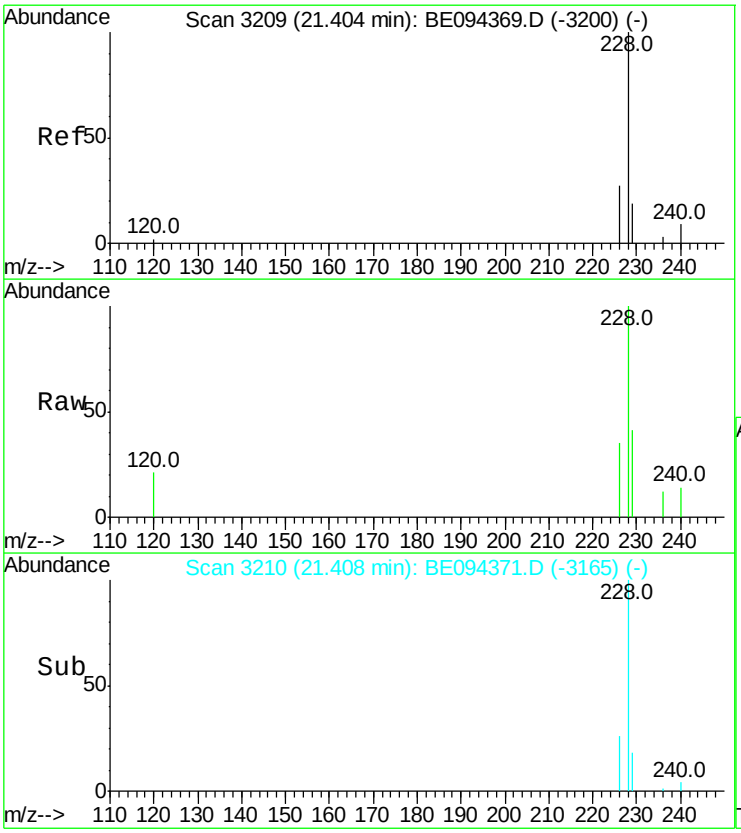
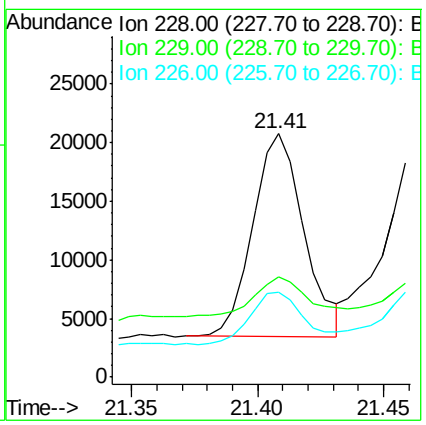


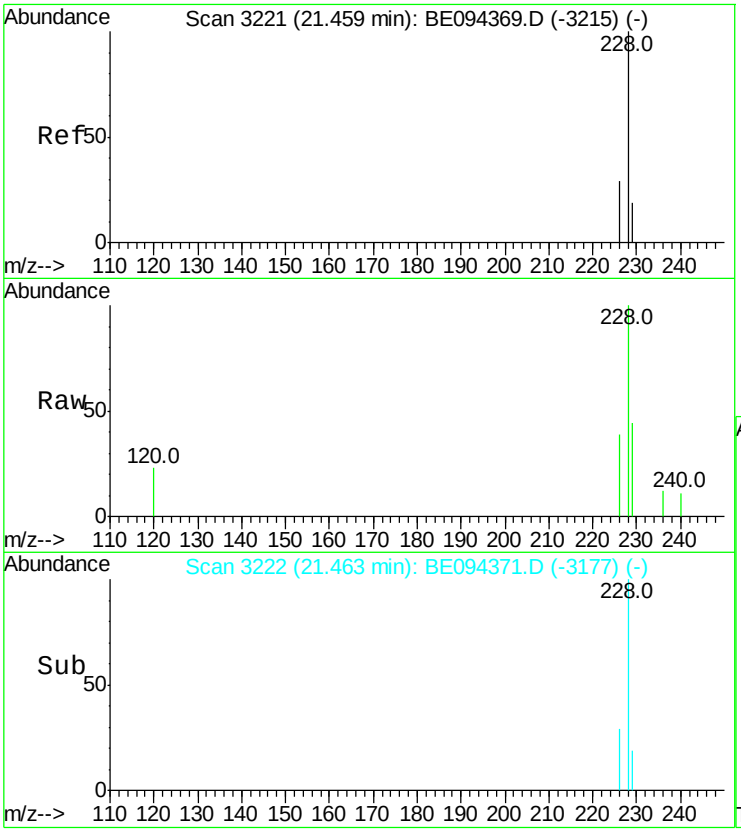


#18
Benzo(a)anthracene
Concen: 0.927 ng/ul
RT: 21.41 min Scan# 3210
Delta R.T. 0.00 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

Tgt Ion:228 Resp: 24360

Ion	Ratio	Lower	Upper
228	100		
229	41.0	22.8	34.2#
226	35.0	17.0	25.6#





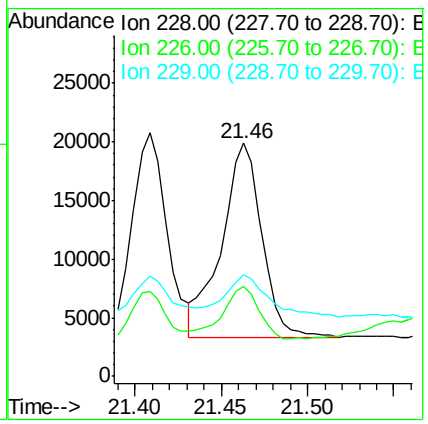
#19
Chrysene
Concen: 0.890 ng/ul
RT: 21.46 min Scan# 3222
Delta R.T. 0.00 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

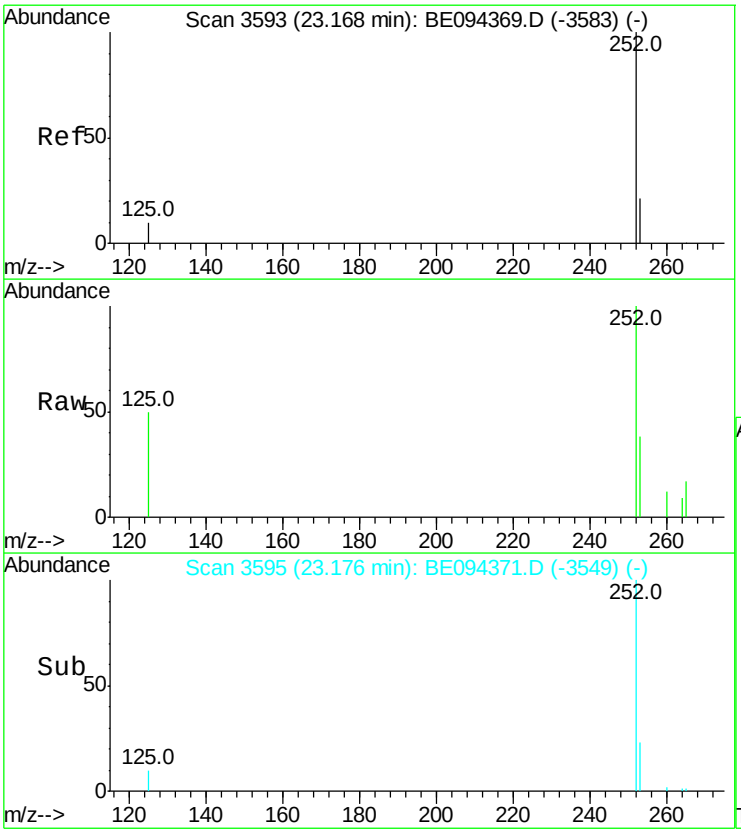
Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations APPROVED
Sohil
10/16/2017 8:25:30 PM

Tgt Ion:228 Resp: 27015

Ion	Ratio	Lower	Upper
228	100		
226	38.9	23.4	35.0#
229	43.7	17.7	26.5#

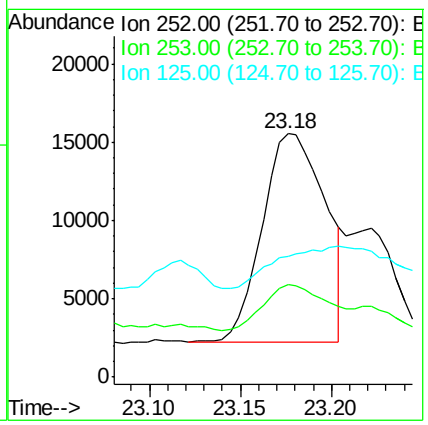


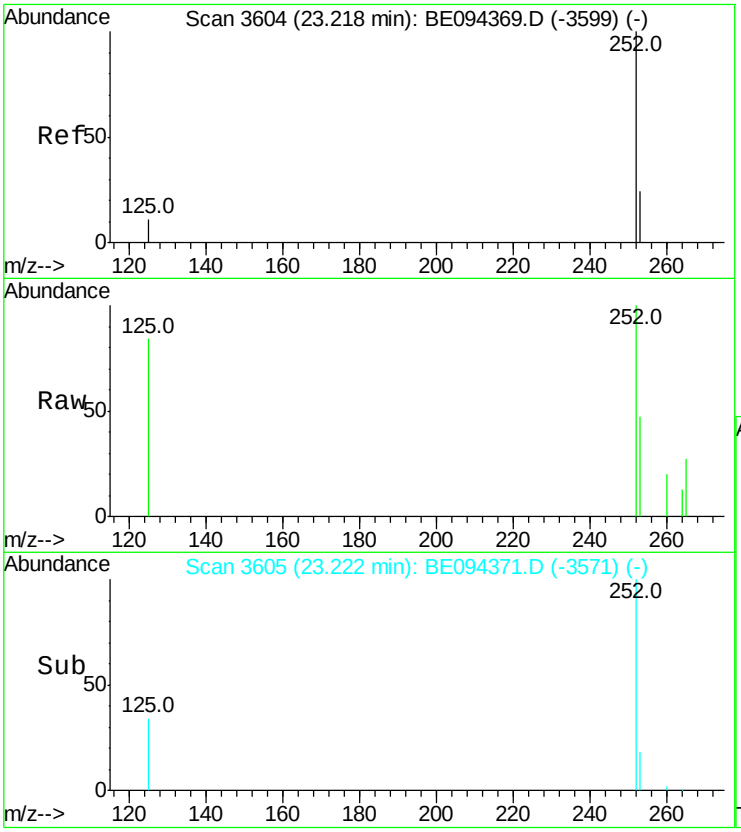


#21
Benzo(b)fluoranthene
Concen: 1.264 ng/ul
RT: 23.18 min Scan# 3595
Delta R.T. 0.01 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

Tgt Ion:252 Resp: 32121

Ion	Ratio	Lower	Upper
252	100		
253	38.0	0.0	64.2
125	49.7	0.0	35.0#





#22
Benzo(k)fluoranthene
Concen: 0.429 ng/ul m
RT: 23.22 min Scan# 3605
Delta R.T. 0.00 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

Tgt Ion:252 Resp: 12588

Ion	Ratio	Lower	Upper
252	100		
253	47.1	24.5	36.7#
125	84.4	13.7	20.5#

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations APPROVED
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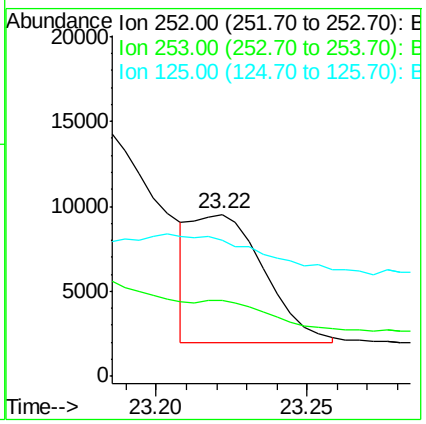
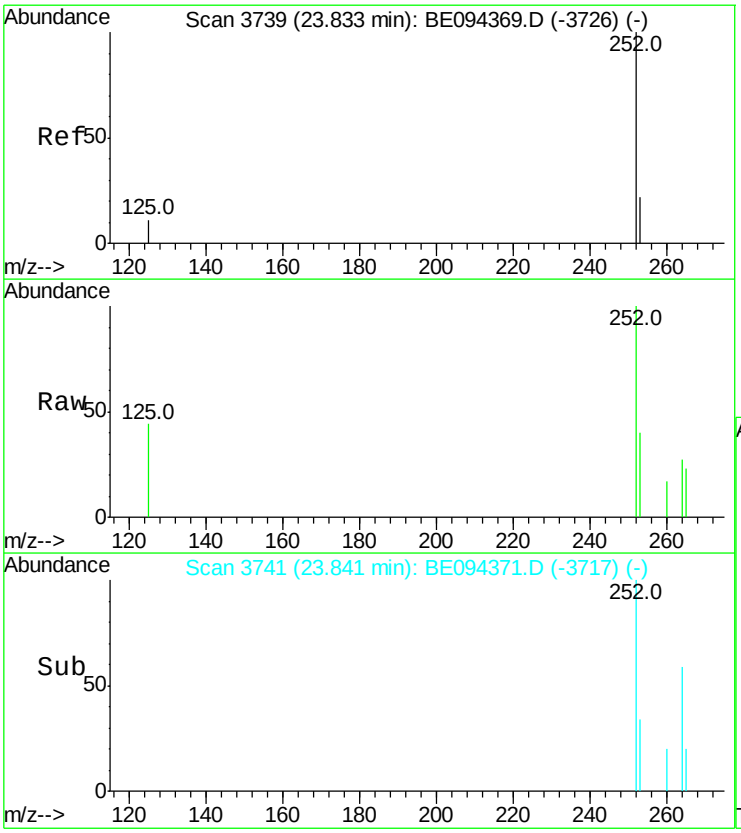
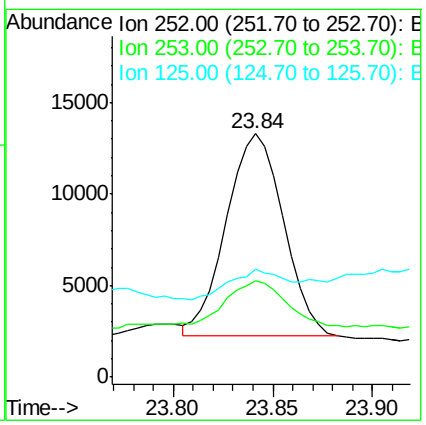


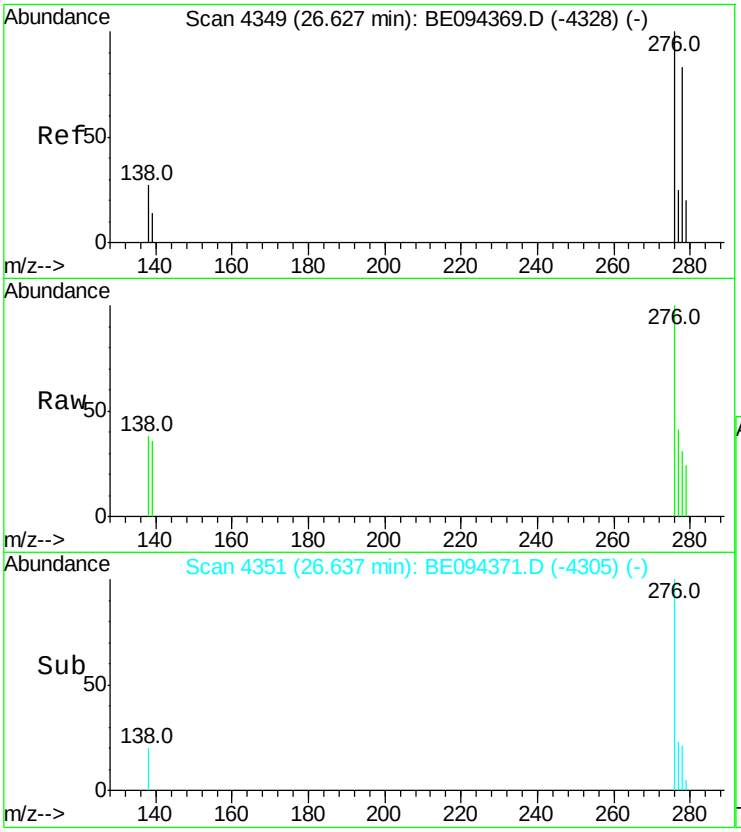


#23
Benzo(a)pyrene
Concen: 0.835 ng/ul m
RT: 23.84 min Scan# 3741
Delta R.T. 0.01 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

Tgt Ion:252 Resp: 22045

Ion	Ratio	Lower	Upper
252	100		
253	39.6	28.5	42.7
125	44.3	18.1	27.1#





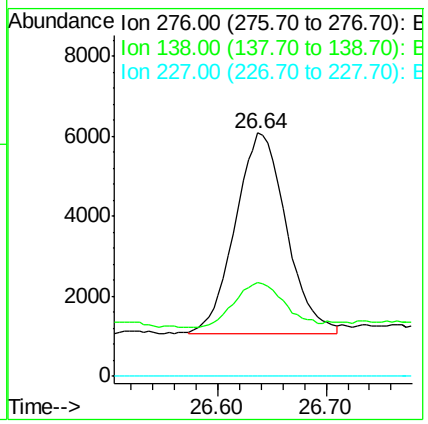
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.607 ng/ul m
RT: 26.64 min Scan# 4351
Delta R.T. 0.01 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

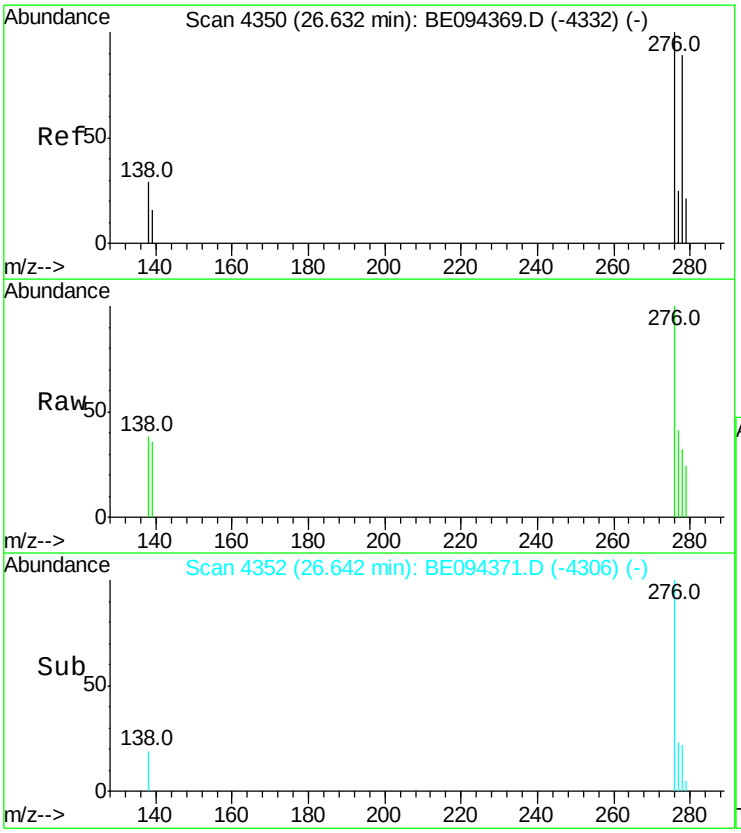
Tgt Ion:276 Resp: 16385

Ion	Ratio	Lower	Upper
276	100		
138	4.8	28.0	42.0#
227	0.0	8.0	12.0#

Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations APPROVED
Sohil
10/16/2017 8:25:30 PM

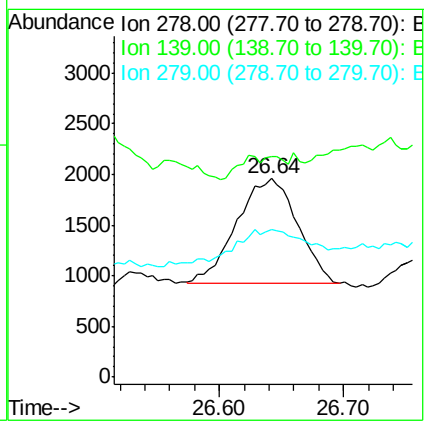


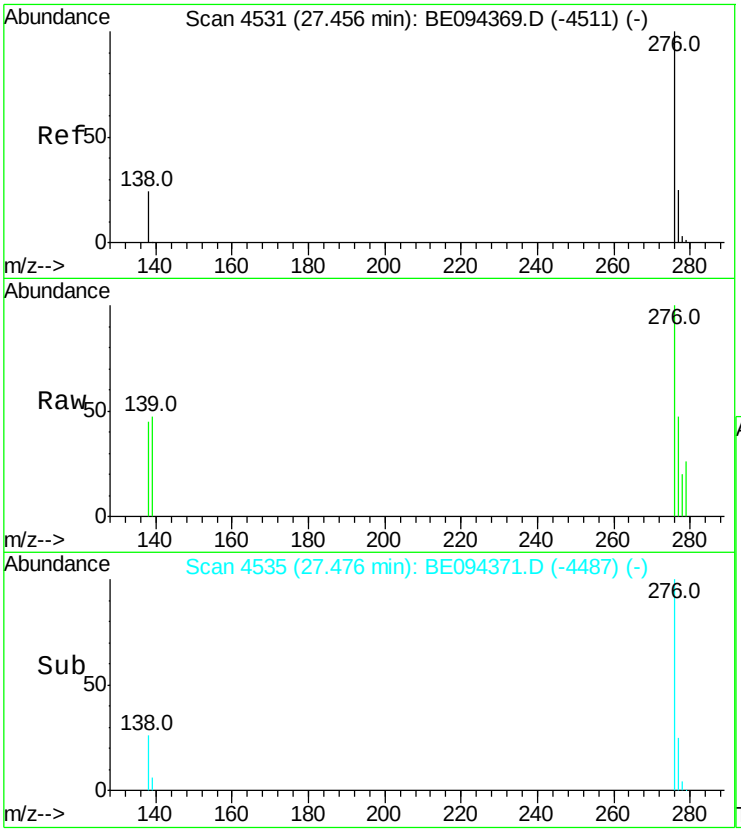


#25
Dibenzo(a,h)anthracene
Concen: 0.157 ng/ul m
RT: 26.64 min Scan# 4352
Delta R.T. 0.01 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

Tgt Ion:278 Resp: 3556

Ion	Ratio	Lower	Upper
278	100		
139	111.2	17.4	26.0#
279	74.1	25.9	38.9#

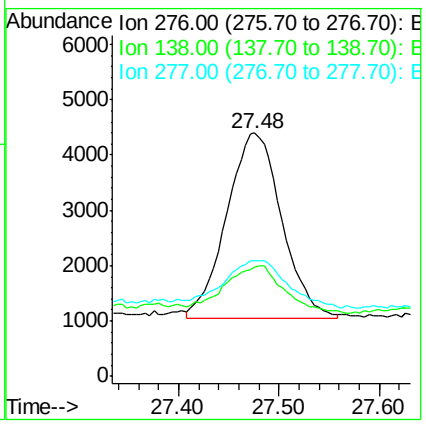




#26
Benzo(g,h,i)perylene
Concen: 0.548 ng/ul m
RT: 27.48 min Scan# 4535
Delta R.T. 0.02 min
Lab File: BE094371.D
Acq: 15 Oct 2017 00:54

Tgt Ion:276 Resp: 12765

Ion	Ratio	Lower	Upper
276	100		
138	45.1	21.8	32.8#
277	47.4	20.5	30.7#



Instrument :
BNA_E
ClientSampleId :
C0AB8

Manual Integrations APPROVED
Sohil
10/16/2017 8:25:30 PM