Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110617\
Data File : BE094763.D
Acq On : 6 Nov 2017 21:02
Operator : SJ/JU
Sample : I6096-04MS 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-52(0-1)-102317MS

Manual Integrations APPROVED
Sohil
11/7/2017 5:41:55 PM

Quant Time: Nov 07 01:47:53 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 07 01:23:46 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1535	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	8820	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	4884	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11312	0.40	ng/ul	-0.02
16) Chrysene-d12	21.44	240	10348	0.40	ng/ul	0.01
20) Perylene-d12	23.98	264	10664	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	566	0.04	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	1165	0.03	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.73	128	96023	4.453	ng/ul#	92
5) 2-Methylnaphthalene	12.34	142	15473	1.026	ng/ul	98
7) Acenaphthylene	14.23	152	1719	0.078	ng/ul#	69
8) Acenaphthene	14.57	153	4327	0.273	ng/ul	94
9) Fluorene	15.56	166	7374	0.414	ng/ul	91
12) Phenanthrene	17.29	178	122414	4.097	ng/ul#	85
13) Anthracene	17.38	178	7817	0.265	ng/ul#	12
15) Fluoranthene	19.31	202	103312	2.991	ng/ul#	76
17) Pyrene	19.68	202	92850	2.902	ng/ul#	86
18) Benzo(a)anthracene	21.42	228	51257	1.733	ng/ul#	88
19) Chrysene	21.48	228	74661	2.442	ng/ul#	86
21) Benzo(b)fluoranthene	23.20	252	66563m	2.219	ng/ul	
22) Benzo(k)fluoranthene	23.24	252	20971m	0.652	ng/ul	
23) Benzo(a)pyrene	23.87	252	32955	1.099	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.71	276	23308	0.751	ng/ul#	72
26) Benzo(g,h,i)perylene	27.57	276	23436	0.941	ng/ul#	70

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110617\
Data File : BE094763.D
Acq On : 6 Nov 2017 21:02
Operator : SJ/JU
Sample : I6096-04MS 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 07 01:47:53 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 07 01:23:46 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
B-52(0-1)-102317MS

Manual Integrations APPROVED
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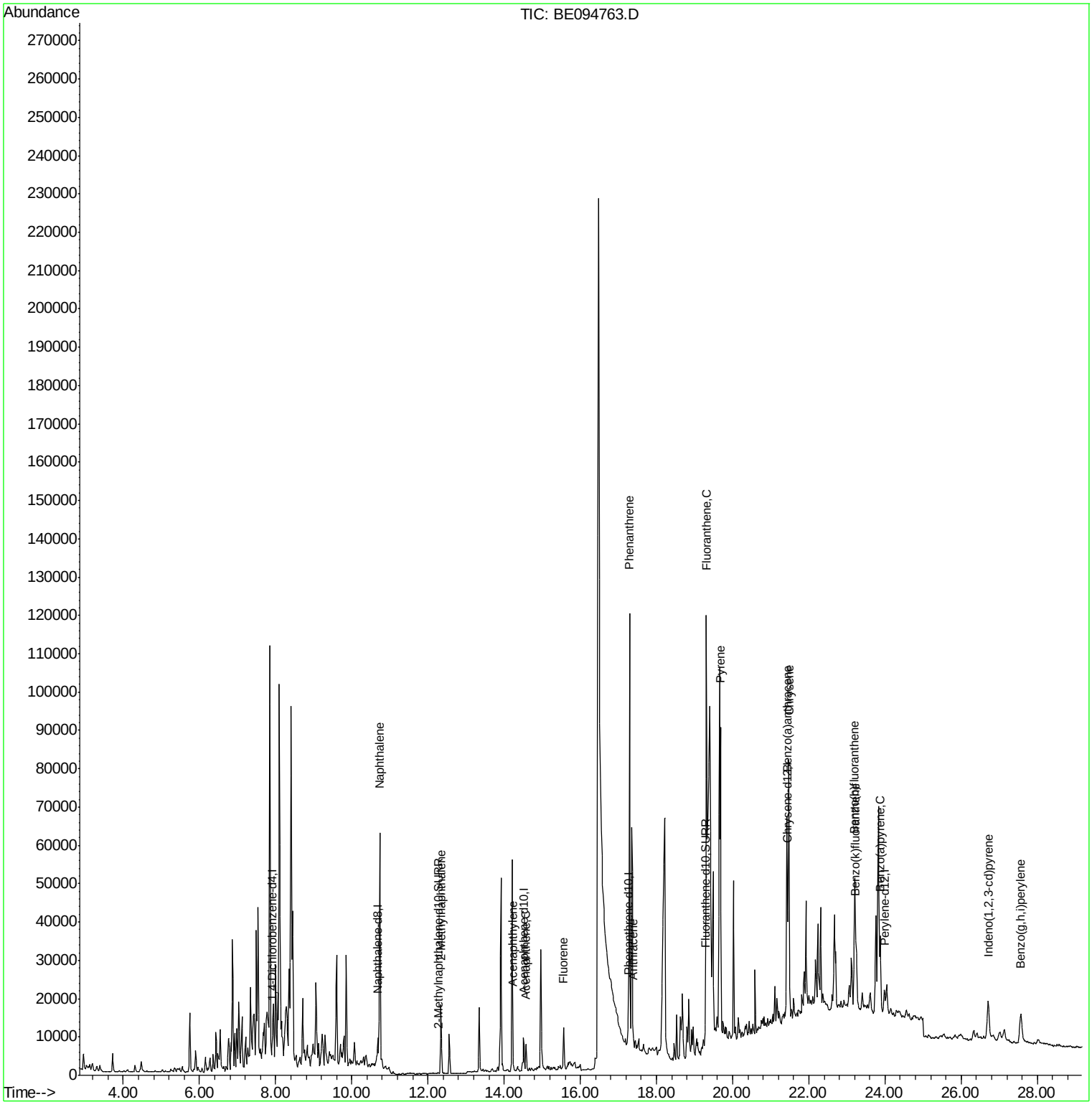

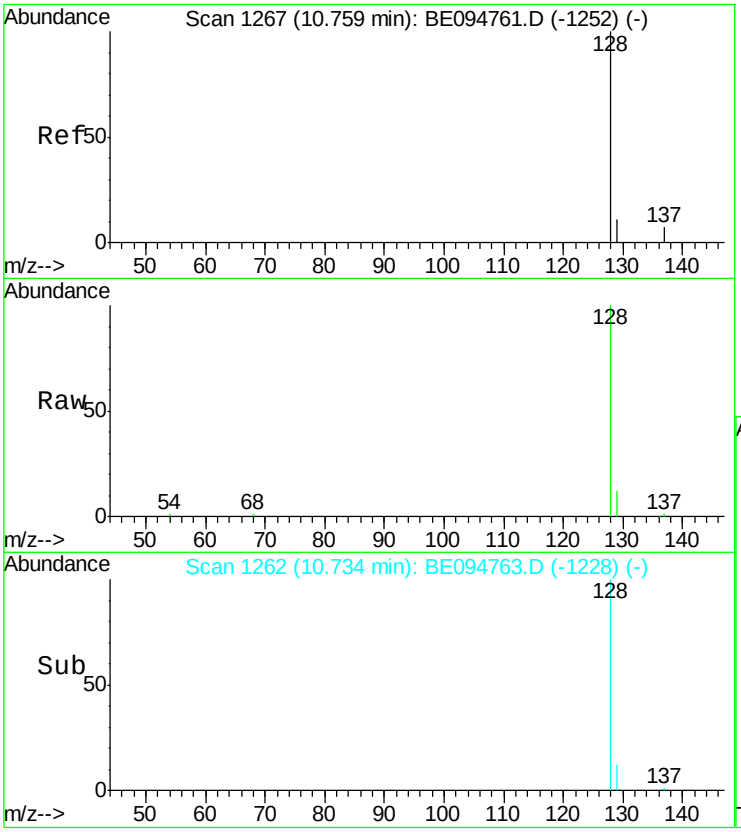

#3
Naphthalene
Concen: 4.453 ng/ul
RT: 10.73 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Tgt Ion:128 Resp: 96023

Ion	Ratio	Lower	Upper
128	100		
129	12.1	11.3	16.9
127	0.0	4.0	6.0#

Instrument :
BNA_E
ClientSampleId :
B-52(0-1)-102317MS

Manual Integrations APPROVED
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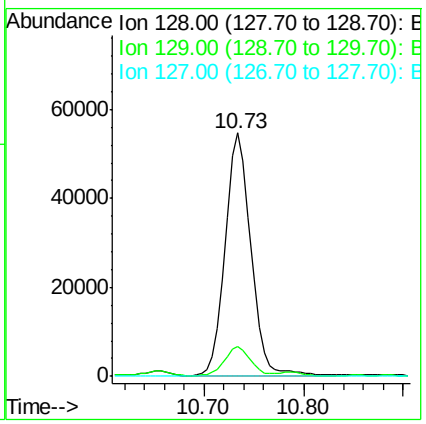
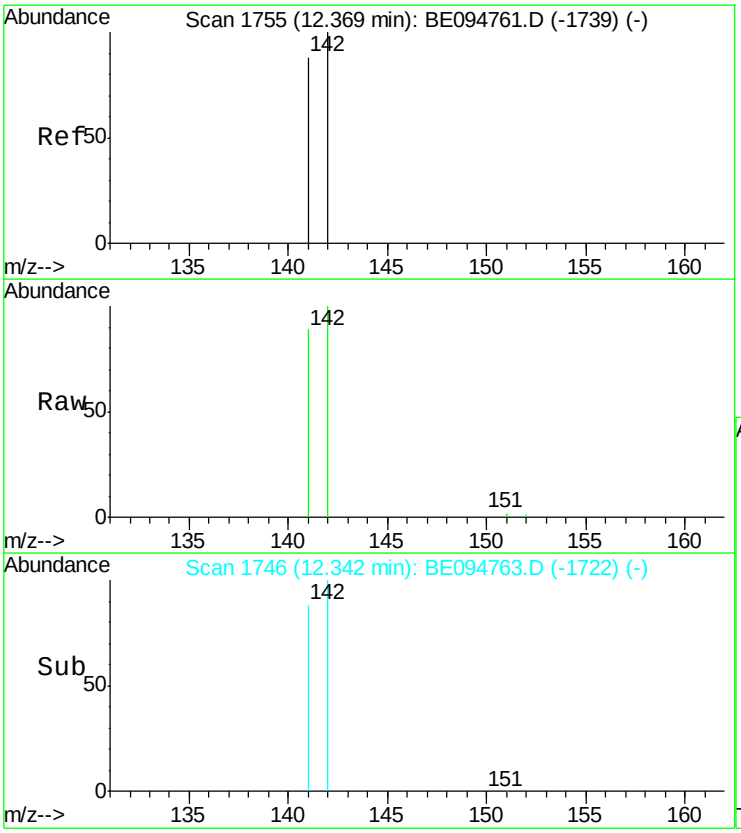
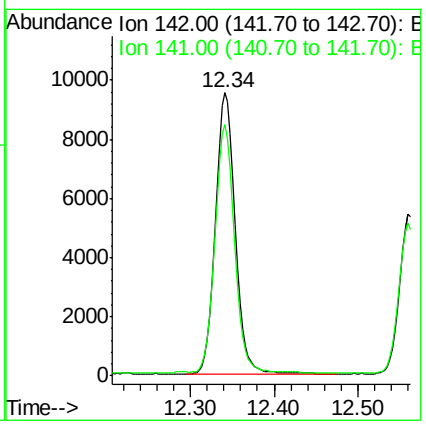


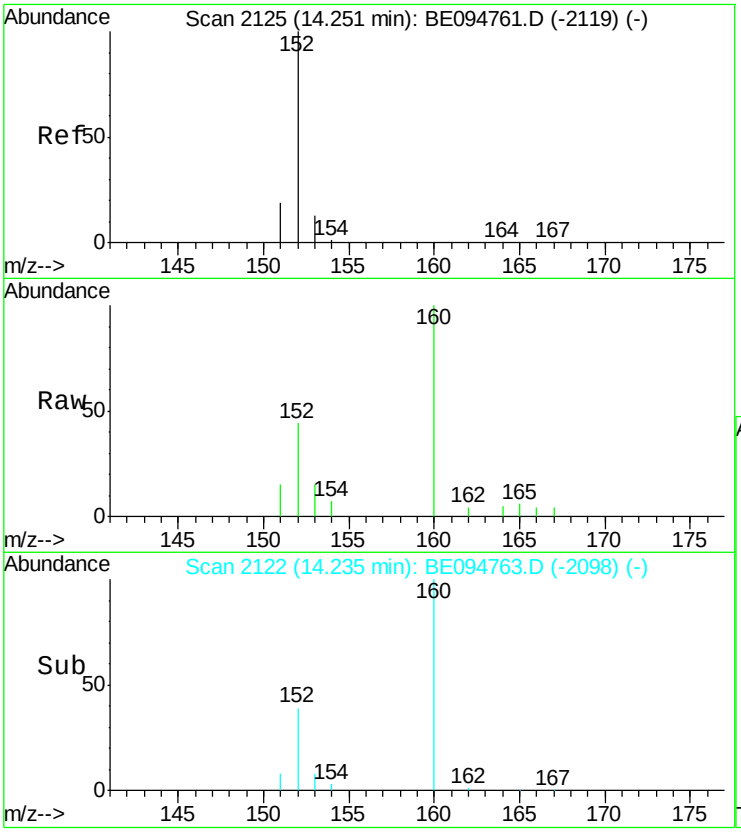


#5
2-Methylnaphthalene
Concen: 1.026 ng/ul
RT: 12.34 min Scan# 1746
Delta R.T. -0.03 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Tgt Ion:142 Resp: 15473

Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.6	108.8





#7
Acenaphthylene
Concen: 0.078 ng/ul
RT: 14.23 min Scan# 2122
Delta R.T. -0.02 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Tgt Ion:152 Resp: 1719

Ion	Ratio	Lower	Upper
152	100		
151	33.0	17.1	25.7#
153	33.0	12.8	19.2#

Instrument :
BNA_E
ClientSampleId :
B-52(0-1)-102317MS

Manual Integrations APPROVED
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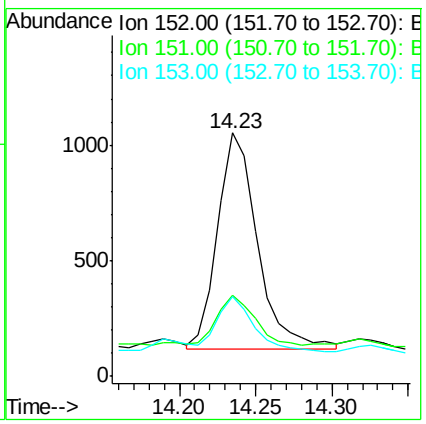
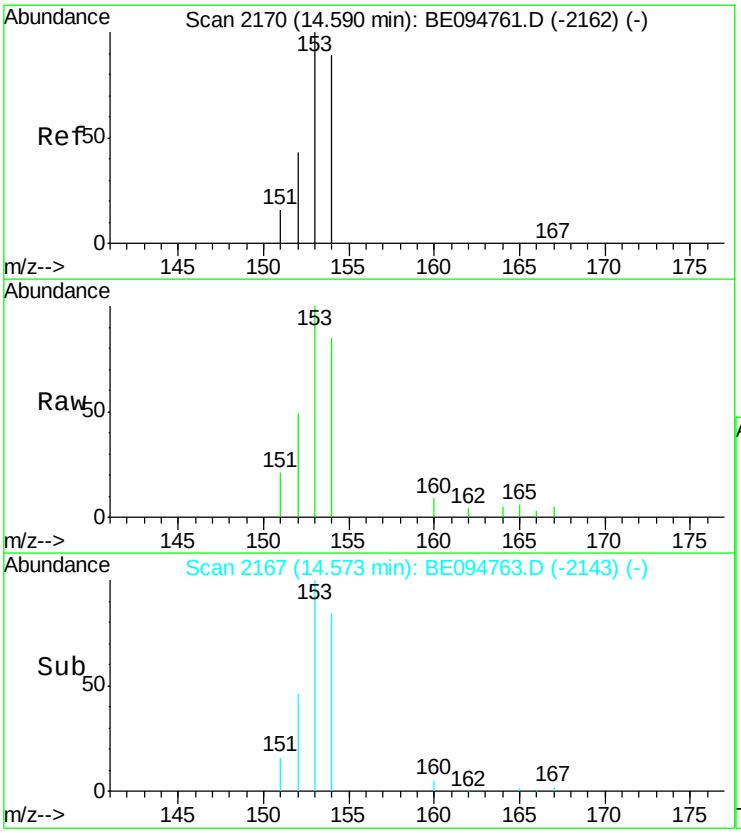
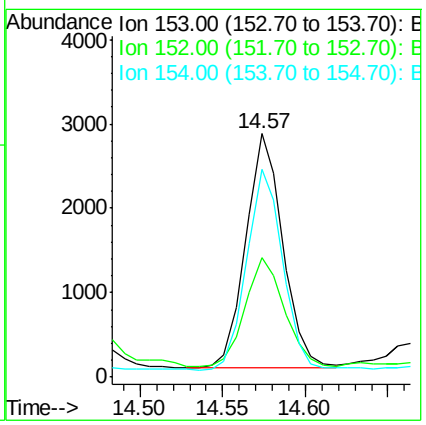


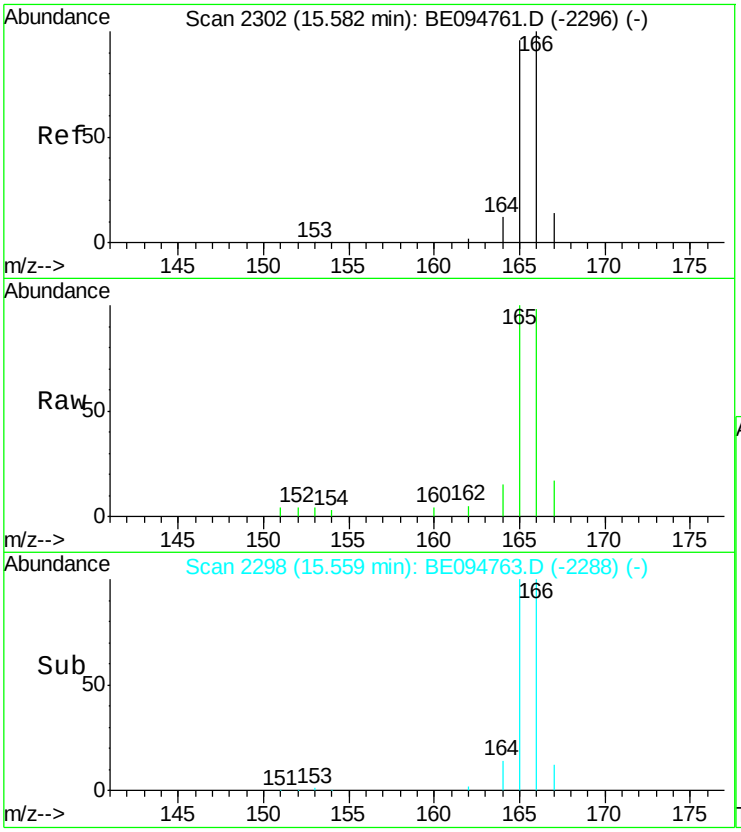


#8
Acenaphthene
Concen: 0.273 ng/ul
RT: 14.57 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Tgt Ion:153 Resp: 4327

Ion	Ratio	Lower	Upper
153	100		
152	49.2	36.0	54.0
154	85.1	72.0	108.0





#9
Fluorene
Concen: 0.414 ng/ul
RT: 15.56 min Scan# 2298
Delta R.T. -0.02 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Tgt Ion:166 Resp: 7374

Ion	Ratio	Lower	Upper
166	100		
165	102.3	73.4	110.2
167	17.5	14.6	22.0

Instrument :
BNA_E
ClientSampleId :
B-52(0-1)-102317MS

Manual Integrations APPROVED
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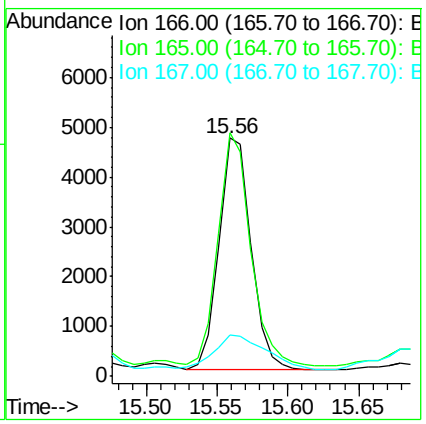
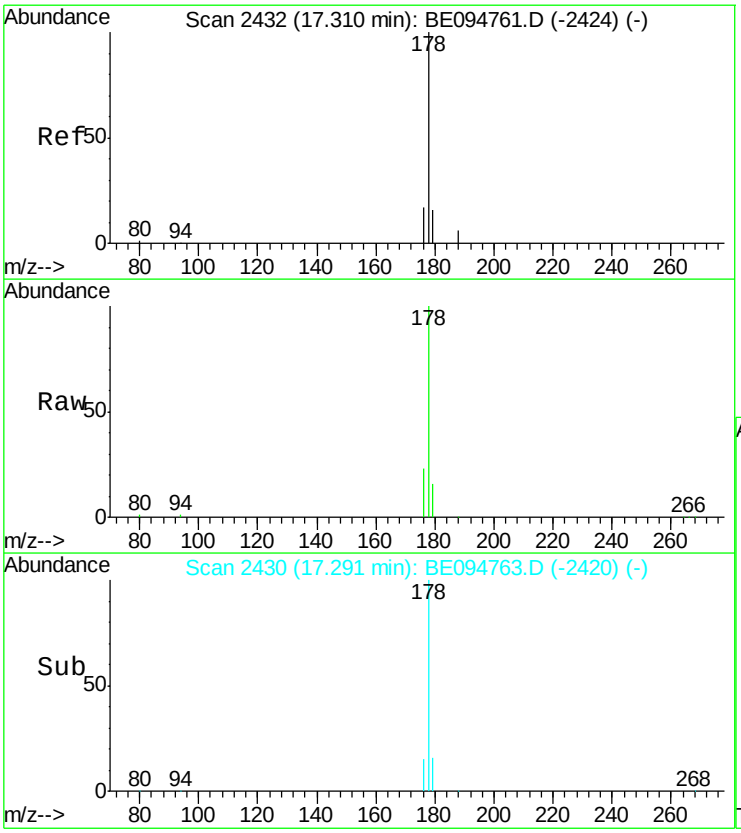
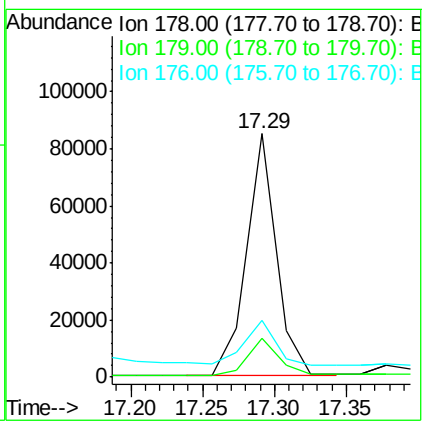


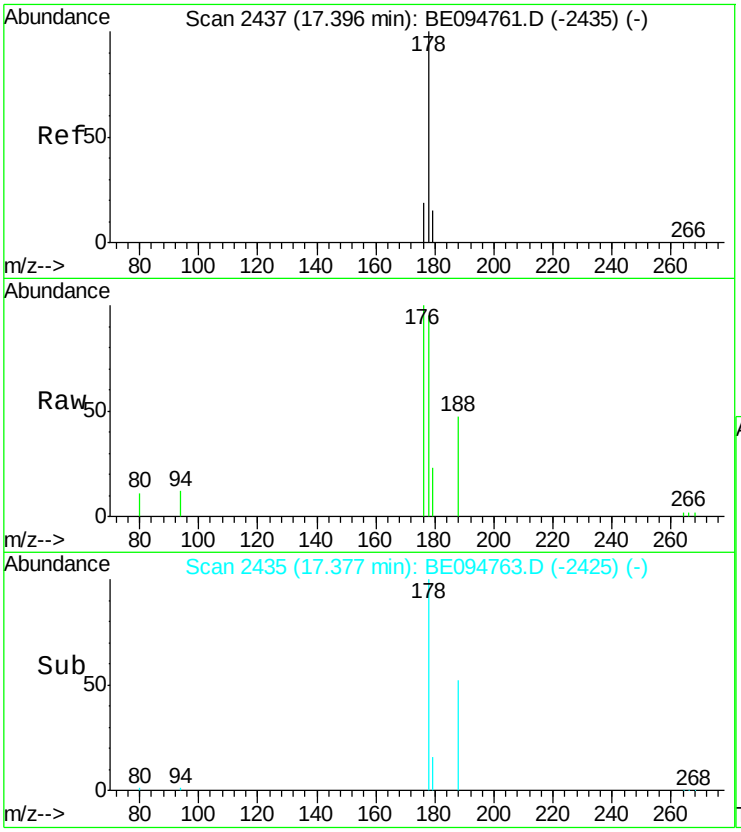


#12
Phenanthrene
Concen: 4.097 ng/ul
RT: 17.29 min Scan# 2430
Delta R.T. -0.02 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Tgt Ion:178 Resp: 122414

Ion	Ratio	Lower	Upper
178	100		
179	15.9	18.4	27.6#
176	23.4	13.6	20.4#

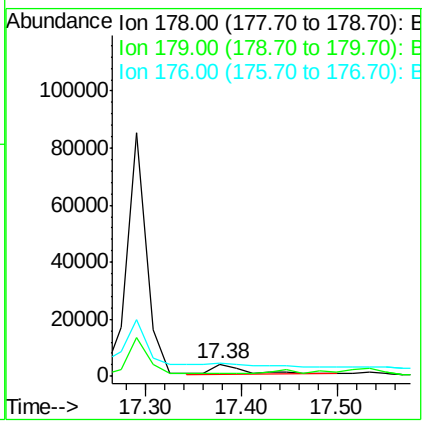




#13
Anthracene
Concen: 0.265 ng/ul
RT: 17.38 min Scan# 2435
Delta R.T. -0.02 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Tgt Ion:178 Resp: 7817

Ion	Ratio	Lower	Upper
178	100		
179	23.7	18.1	27.1
176	105.0	14.7	22.1#



Instrument :
BNA_E
ClientSampleId :
B-52(0-1)-102317MS

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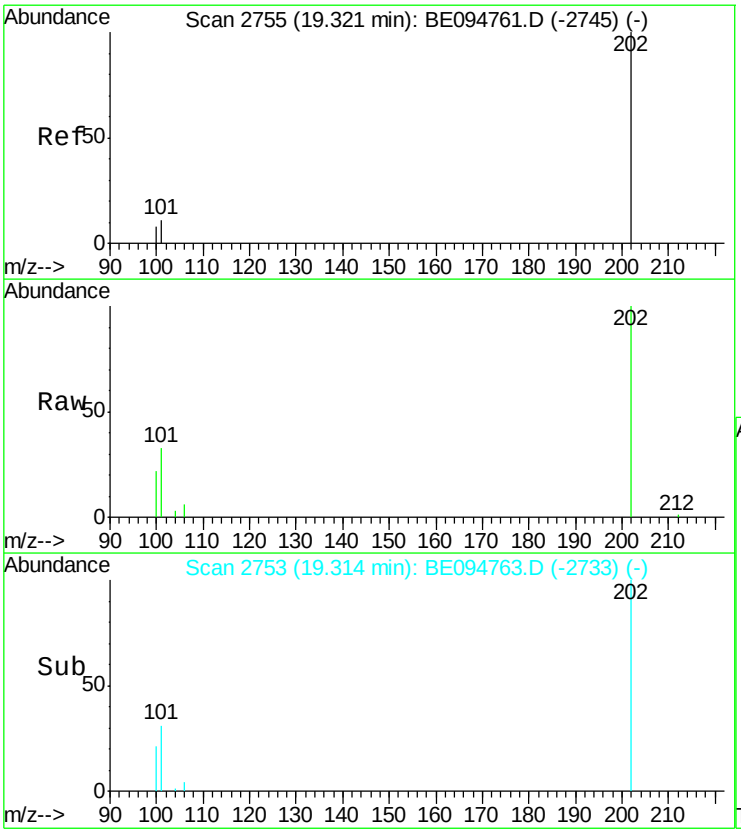
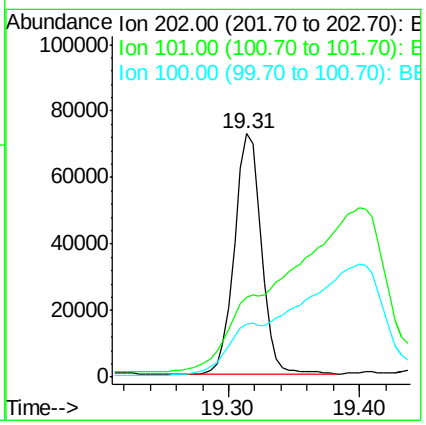
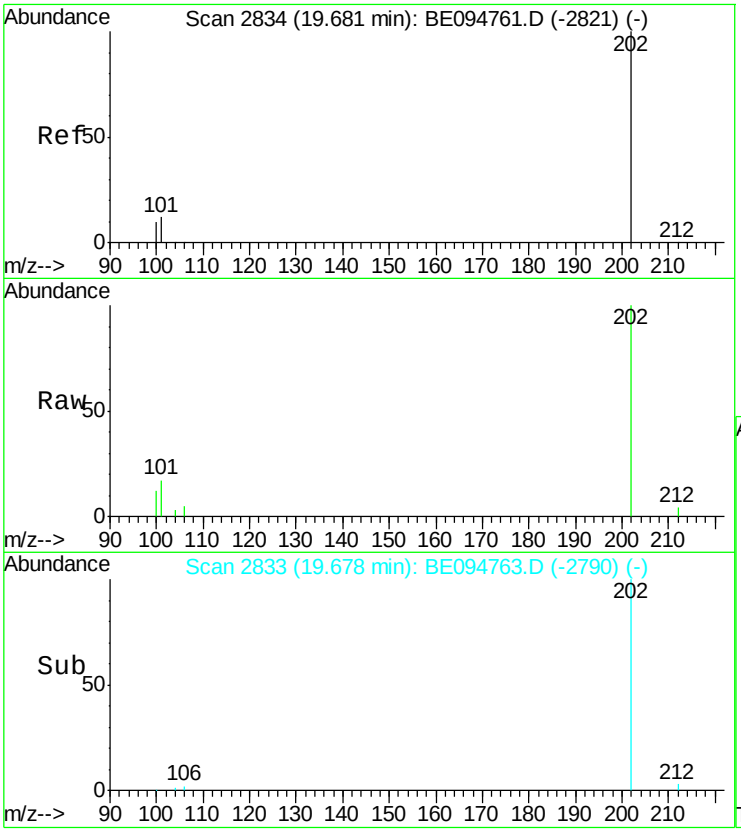


#15
Fluoranthene
Concen: 2.991 ng/ul
RT: 19.31 min Scan# 2753
Delta R.T. -0.01 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Tgt Ion:202 Resp: 103312

Ion	Ratio	Lower	Upper
202	100		
101	32.6	0.0	30.3#
100	21.8	0.0	39.5





#17
Pyrene
Concen: 2.902 ng/ul
RT: 19.68 min Scan# 2833
Delta R.T. -0.00 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Instrument :
BNA_E
ClientSampleId :
B-52(0-1)-102317MS

Manual Integrations APPROVED
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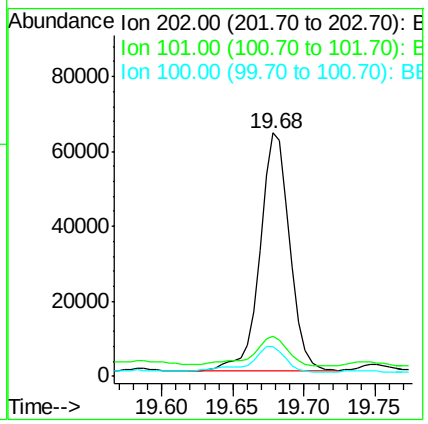
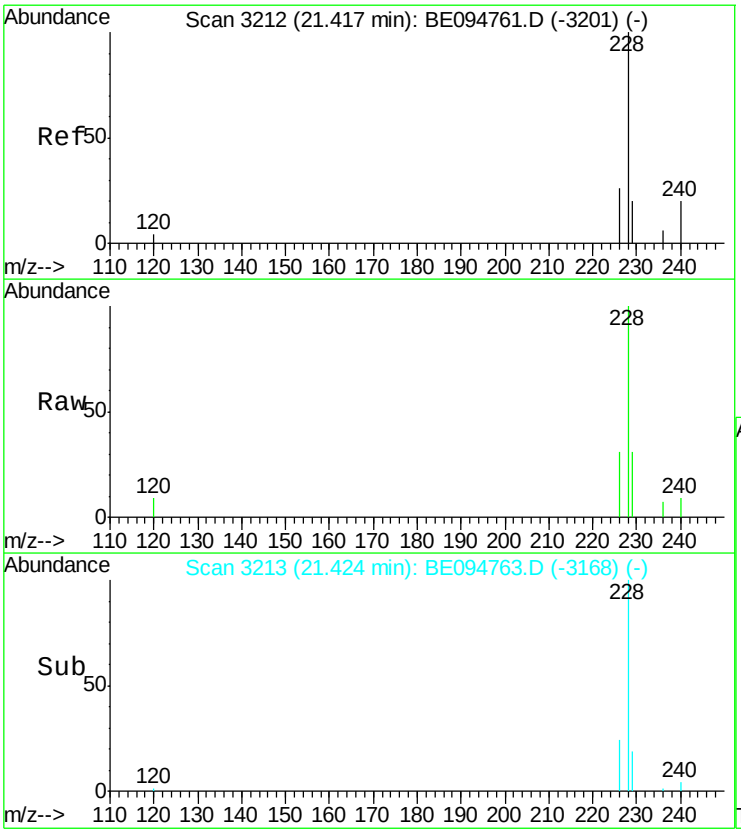
Tgt Ion:202 Resp: 92850

Ion	Ratio	Lower	Upper
202	100		
101	16.6	18.2	27.4#
100	12.4	15.6	23.4#

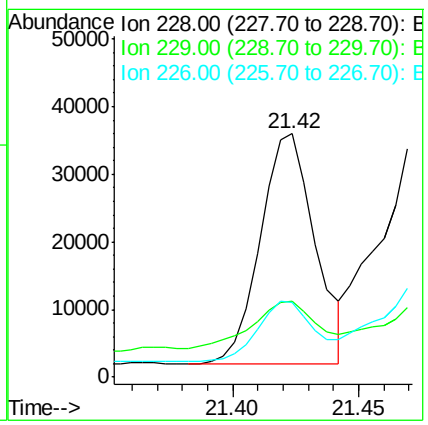


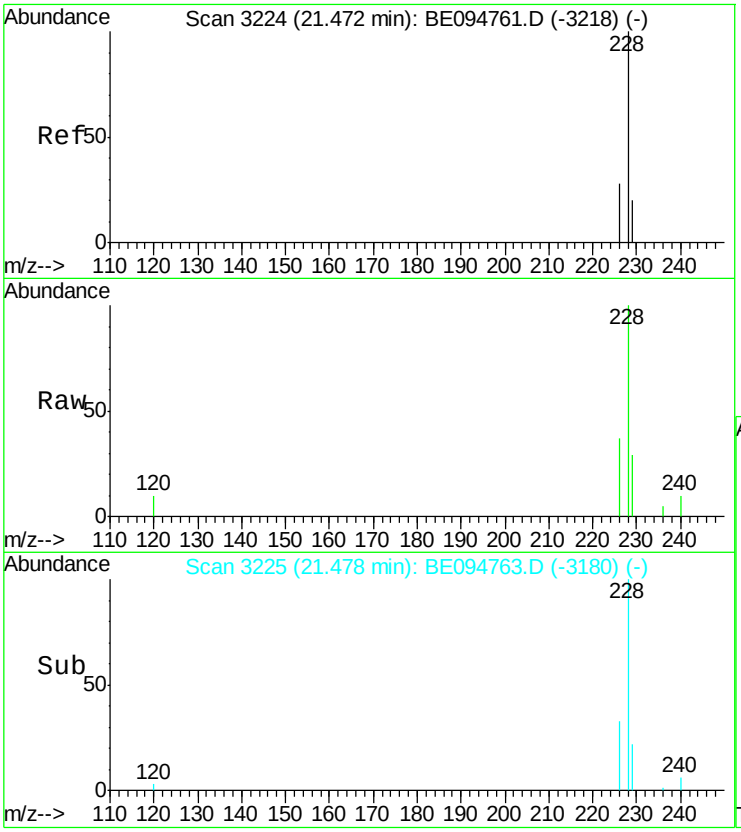


#18
Benzo(a)anthracene
Concen: 1.733 ng/ul
RT: 21.42 min Scan# 3213
Delta R.T. 0.01 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Tgt Ion:228 Resp: 51257

Ion	Ratio	Lower	Upper
228	100		
229	31.2	22.8	34.2
226	30.9	17.0	25.6#





#19
Chrysene
Concen: 2.442 ng/ul
RT: 21.48 min Scan# 3225
Delta R.T. 0.01 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Tgt Ion:228 Resp: 74661

Ion	Ratio	Lower	Upper
228	100		
226	37.0	23.4	35.0#
229	28.7	17.7	26.5#

Instrument :
BNA_E
ClientSampleId :
B-52(0-1)-102317MS

Manual Integrations APPROVED
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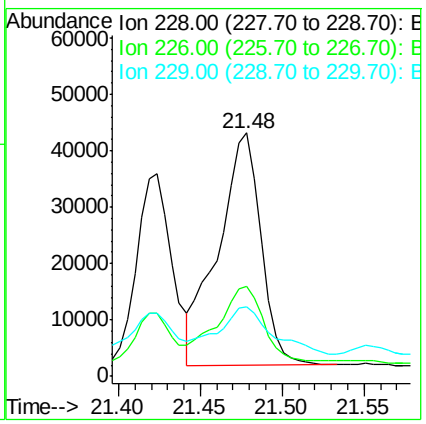
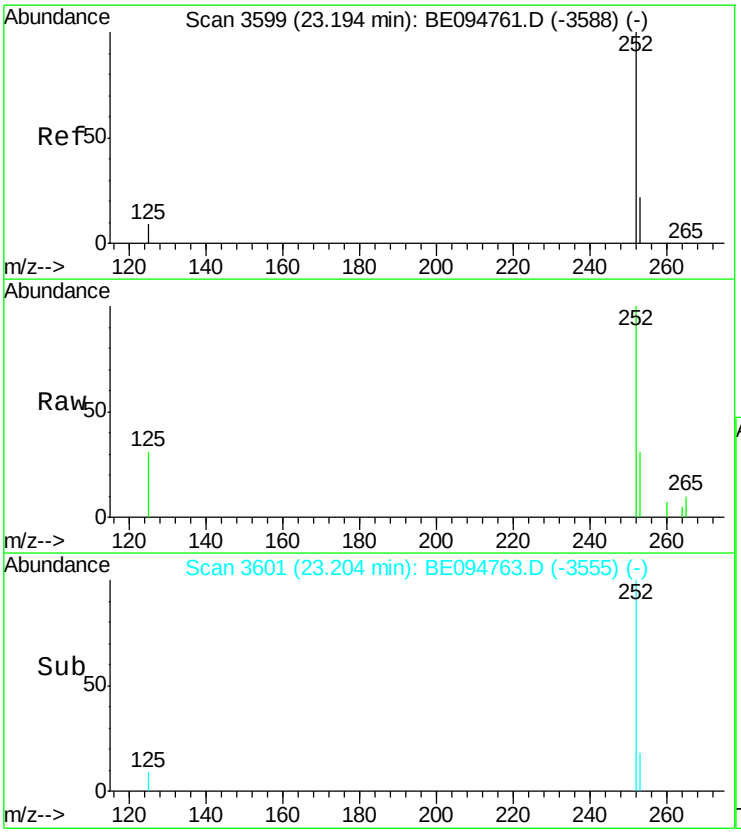
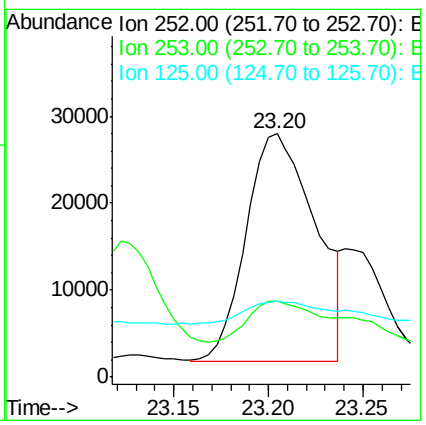


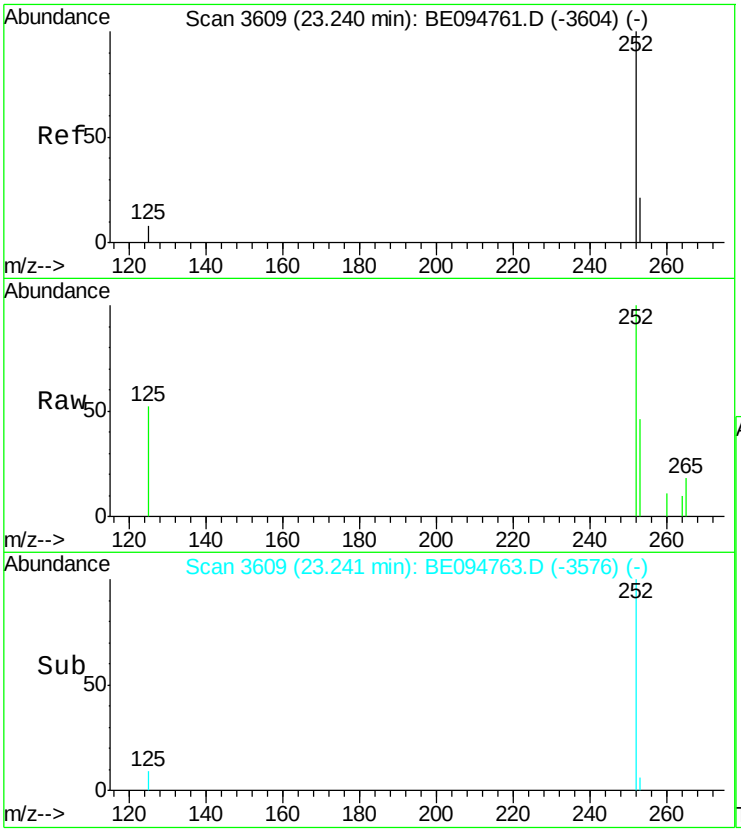


#21
Benzo(b)fluoranthene
Concen: 2.219 ng/ul m
RT: 23.20 min Scan# 3601
Delta R.T. 0.01 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Tgt Ion:252 Resp: 66563

Ion	Ratio	Lower	Upper
252	100		
253	31.2	0.0	64.2
125	31.1	0.0	35.0





#22
Benzo(k)fluoranthene
Concen: 0.652 ng/ul m
RT: 23.24 min Scan# 3609
Delta R.T. 0.00 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Tgt Ion:252 Resp: 20971

Ion	Ratio	Lower	Upper
252	100		
253	46.3	24.5	36.7#
125	51.6	13.7	20.5#

Instrument :
BNA_E
ClientSampleId :
B-52(0-1)-102317MS

Manual Integrations APPROVED
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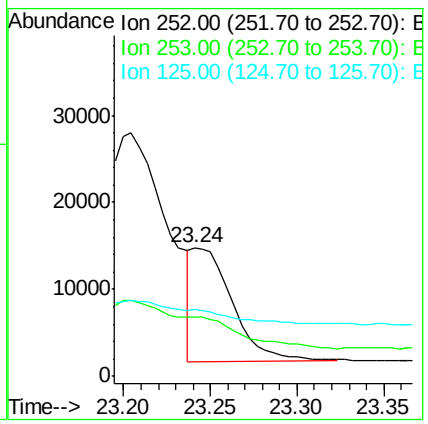
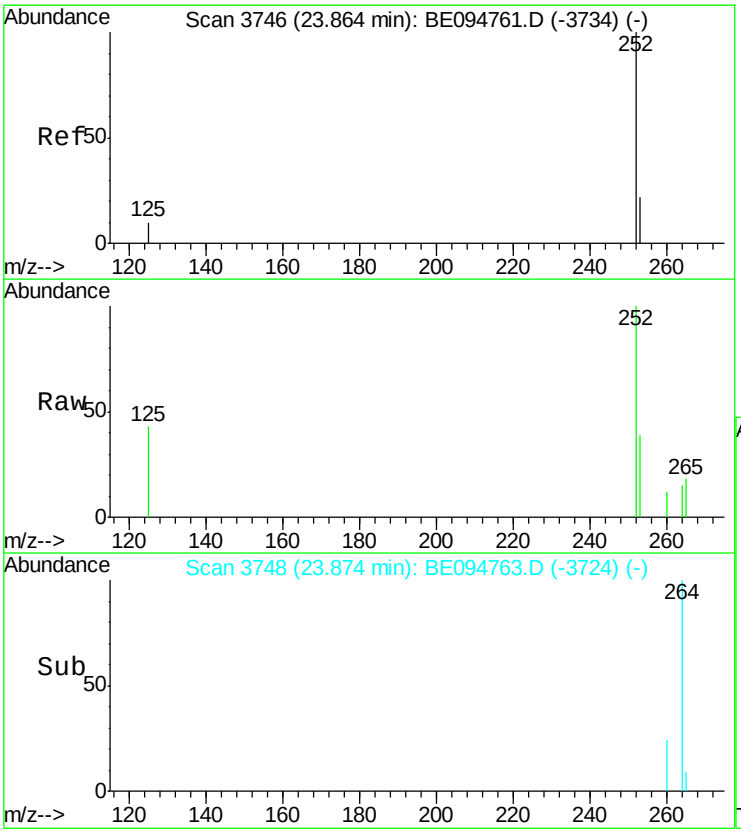
11/7/2017 5:41:55 PM

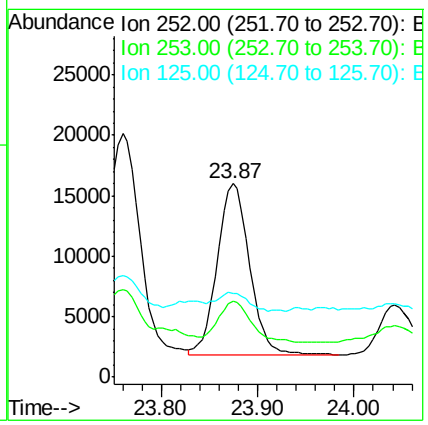


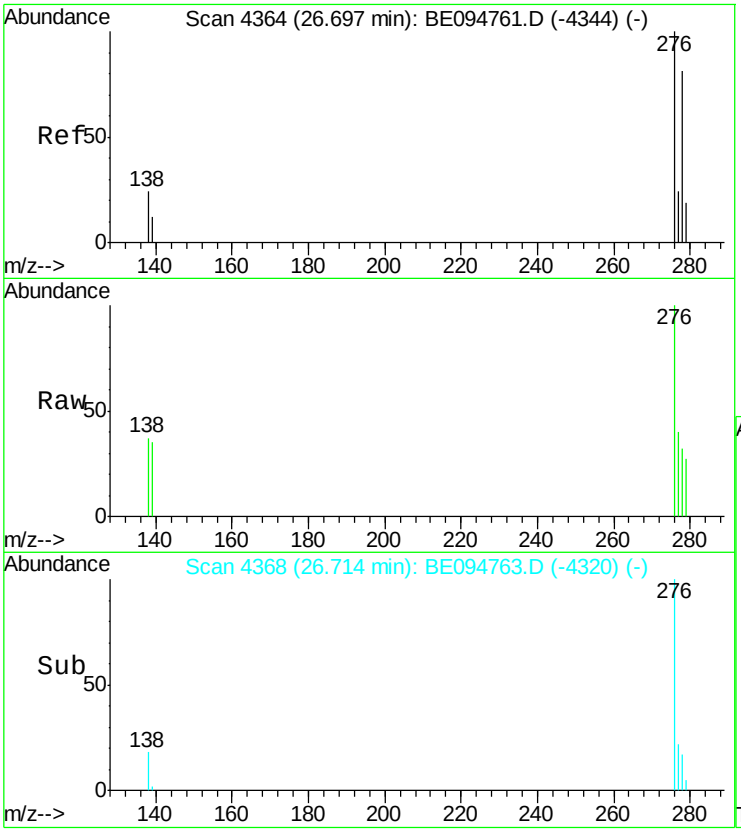


#23
Benzo(a)pyrene
Concen: 1.099 ng/ul
RT: 23.87 min Scan# 3748
Delta R.T. 0.01 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Tgt Ion:252 Resp: 32955

Ion	Ratio	Lower	Upper
252	100		
253	39.1	28.5	42.7
125	43.3	18.1	27.1#





#24
Indeno(1,2,3-cd)pyrene
Concen: 0.751 ng/ul
RT: 26.71 min Scan# 4368
Delta R.T. 0.02 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Instrument :
BNA_E
ClientSampleId :
B-52(0-1)-102317MS

Manual Integrations APPROVED
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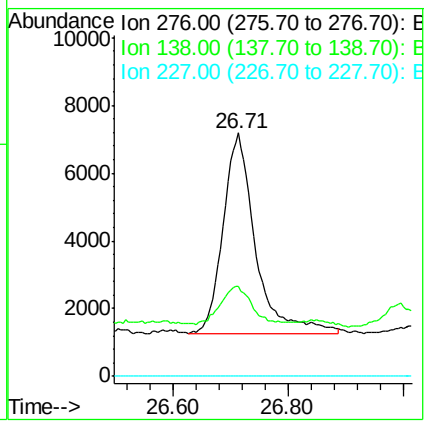
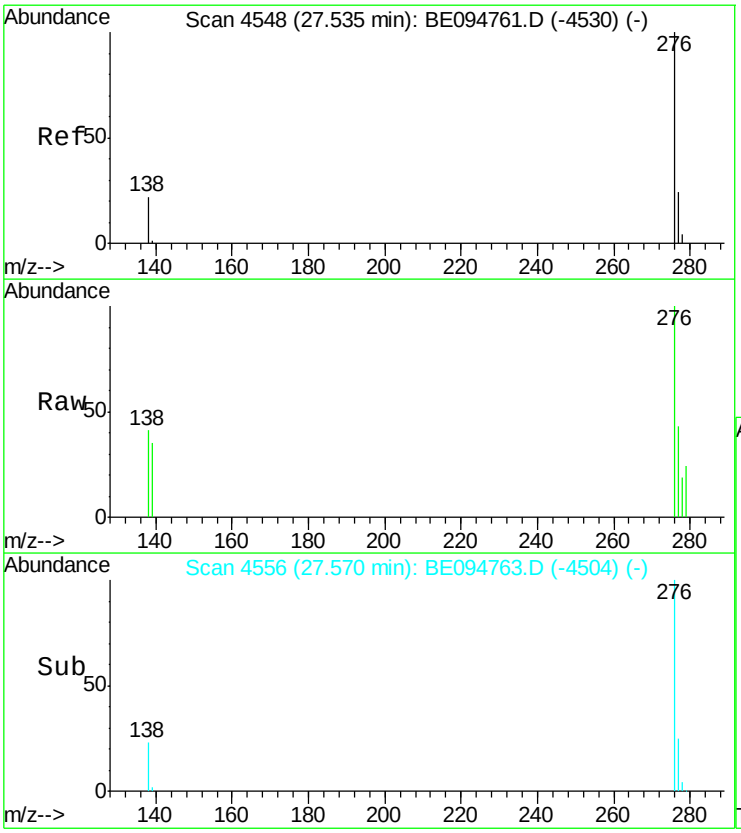
11/7/2017 5:41:55 PM

Tgt Ion:276 Resp: 23308

Ion	Ratio	Lower	Upper
276	100		
138	18.4	28.0	42.0#
227	0.0	8.0	12.0#





#26
Benzo(g,h,i)perylene
Concen: 0.941 ng/ul
RT: 27.57 min Scan# 4556
Delta R.T. 0.04 min
Lab File: BE094763.D
Acq: 6 Nov 2017 21:02

Tgt Ion:276 Resp: 23436

Ion	Ratio	Lower	Upper
276	100		
138	41.1	21.8	32.8#
277	43.1	20.5	30.7#