Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121618\
Data File : BN004030.D
Acq On : 17 Dec 2018 11:53
Operator : JU/SJ
Sample : J6228-15
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F9E50

Manual Integrations APPROVED
Sohil
12/17/2018 4:29:03 PM

Quant Time: Dec 17 14:43:50 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 06:22:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1876	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	9432	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5986	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	15106m	0.40	ng/ul	0.00
16) Chrysene-d12	21.40	240	16933m	0.40	ng/ul	0.00
20) Perylene-d12	23.73	264	14961m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	3909	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	13101m	0.30	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.68	128	6291	0.237	ng/ul	96
5) 2-Methylnaphthalene	12.29	142	17998	0.973	ng/ul	100
7) Acenaphthylene	14.20	152	24569	0.912	ng/ul	98
8) Acenaphthene	14.54	153	1277	0.054	ng/ul#	81
9) Fluorene	15.52	166	2035	0.074	ng/ul#	90
12) Phenanthrene	17.26	178	75230m	1.517	ng/ul	
13) Anthracene	17.35	178	32023m	0.786	ng/ul	
15) Fluoranthene	19.28	202	104689m	1.788	ng/ul	
17) Pyrene	19.64	202	160161	2.637	ng/ul	99
18) Benzo(a)anthracene	21.39	228	87493m	1.636	ng/ul	
19) Chrysene	21.44	228	107306m	1.753	ng/ul	
21) Benzo(b)fluoranthene	23.02	252	119674m	1.934	ng/ul	
22) Benzo(k)fluoranthene	23.07	252	36016m	0.597	ng/ul	
23) Benzo(a)pyrene	23.63	252	75220m	1.404	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.09	276	58073	0.945	ng/ul#	95
25) Dibenzo(a,h)anthracene	26.09	278	18787m	0.380	ng/ul	
26) Benzo(g,h,i)perylene	26.82	276	53858	1.008	ng/ul	93

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

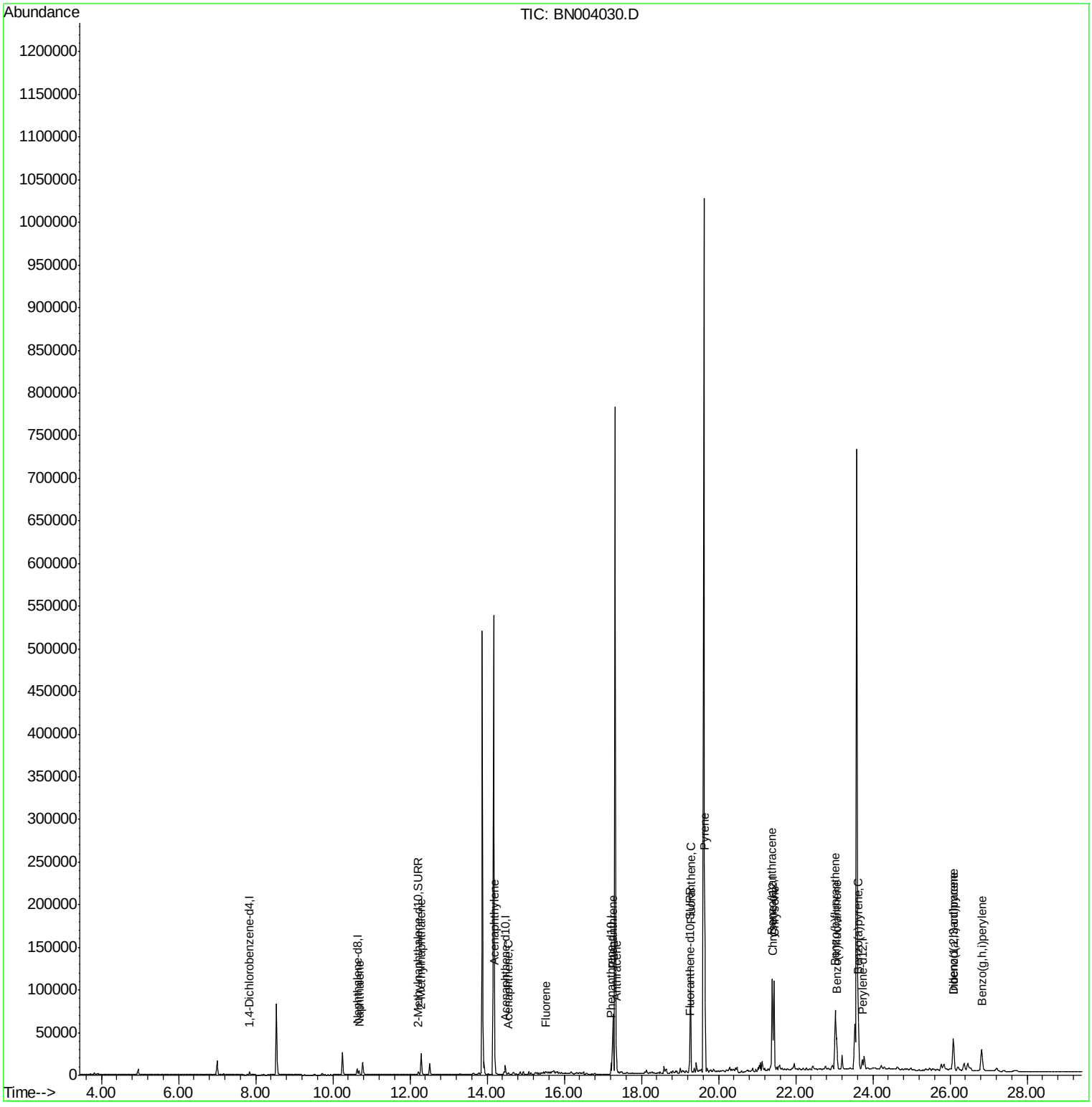
Quantitation Report (QT Reviewed)

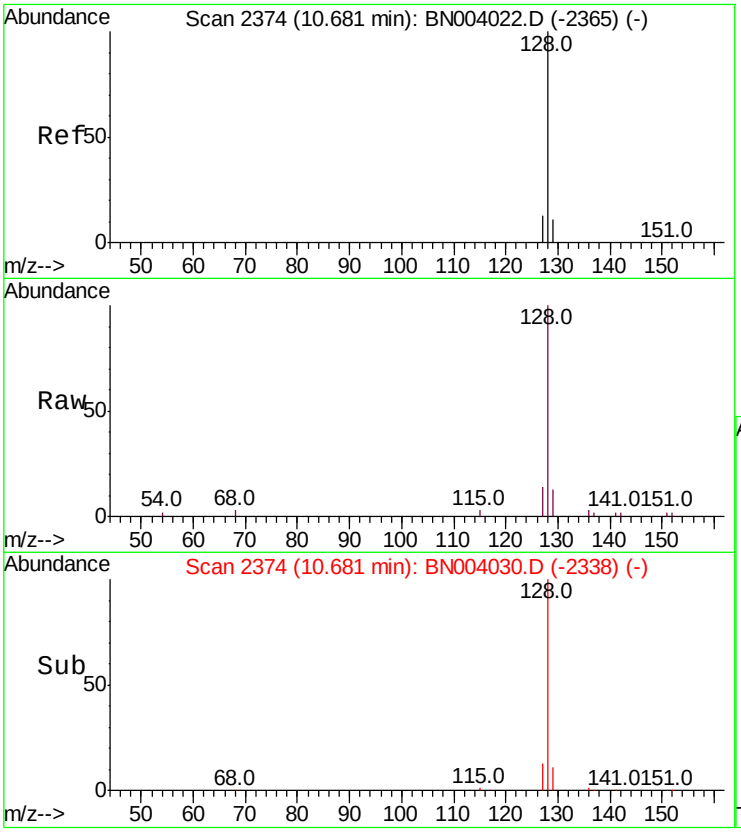
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121618\
Data File : BN004030.D
Acq On : 17 Dec 2018 11:53
Operator : JU/SJ
Sample : J6228-15
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Dec 17 14:43:50 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 06:22:23 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
F9E50

Manual Integrations APPROVED
Sohil
12/17/2018 4:29:03 PM





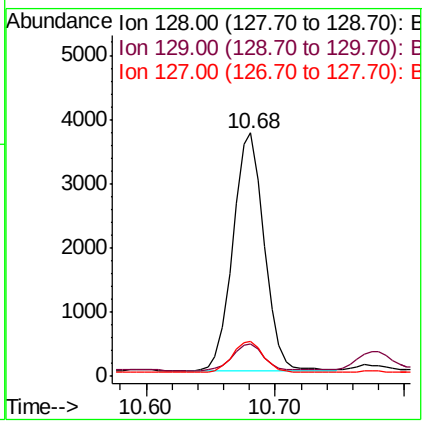
#3
Naphthalene
Concen: 0.237 ng/ul
RT: 10.68 min Scan# 2374
Delta R.T. 0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

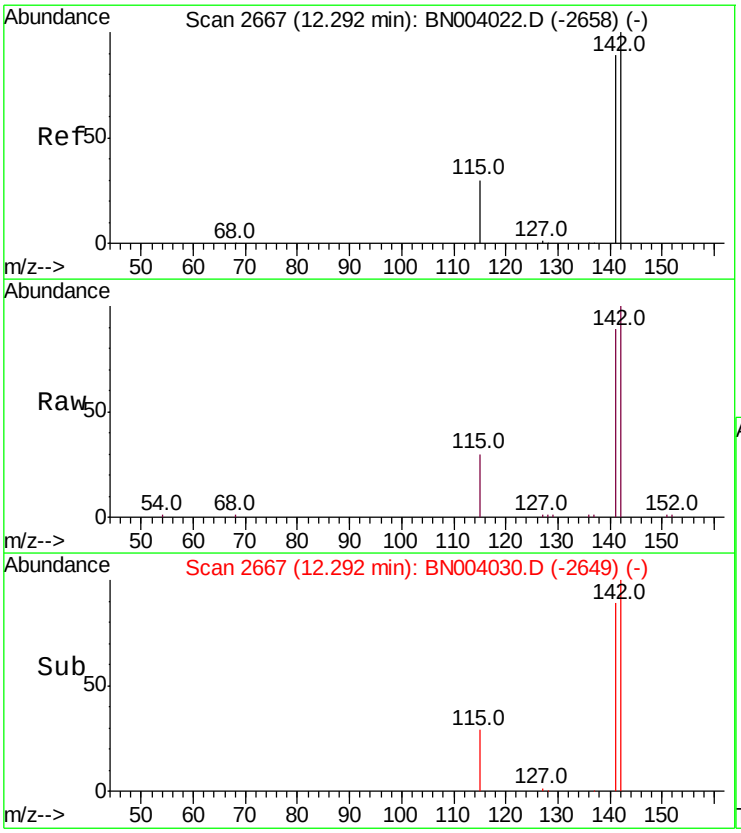
Tgt Ion:128 Resp: 6291

Ion	Ratio	Lower	Upper
128	100		
129	13.2	9.0	13.6
127	14.2	10.5	15.7

Instrument :
BNA_N
ClientSampleId :
F9E50

Manual Integrations APPROVED
Sohil
12/17/2018 4:29:03 PM

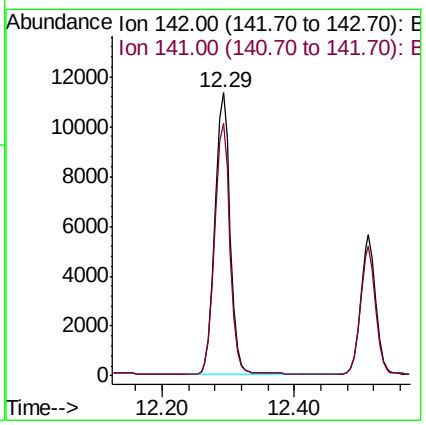


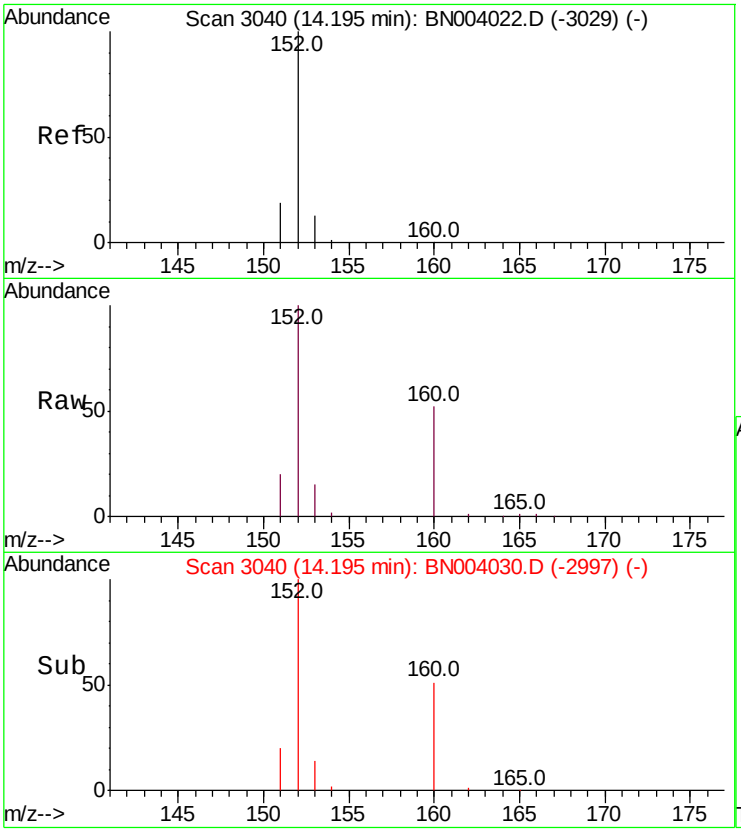


#5
2-Methylnaphthalene
Concen: 0.973 ng/ul
RT: 12.29 min Scan# 2667
Delta R.T. 0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

Tgt Ion:142 Resp: 17998

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.5	107.3





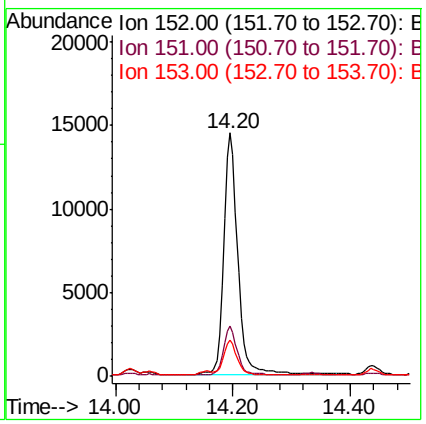
#7
Acenaphthylene
Concen: 0.912 ng/ul
RT: 14.20 min Scan# 3040
Delta R.T. 0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

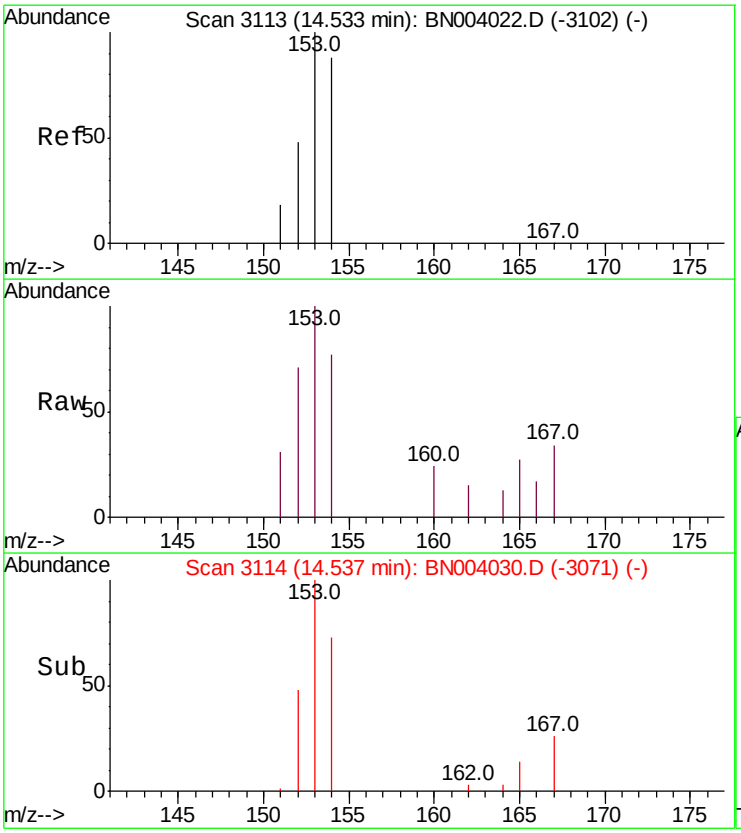
Tgt Ion:152 Resp: 24569

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	14.7	10.7	16.1

Instrument :
BNA_N
ClientSampleId :
F9E50

Manual Integrations APPROVED
Sohil
12/17/2018 4:29:03 PM

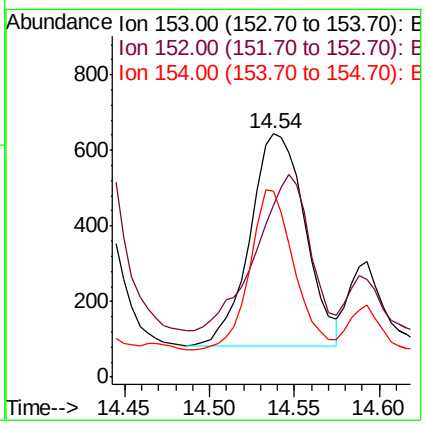


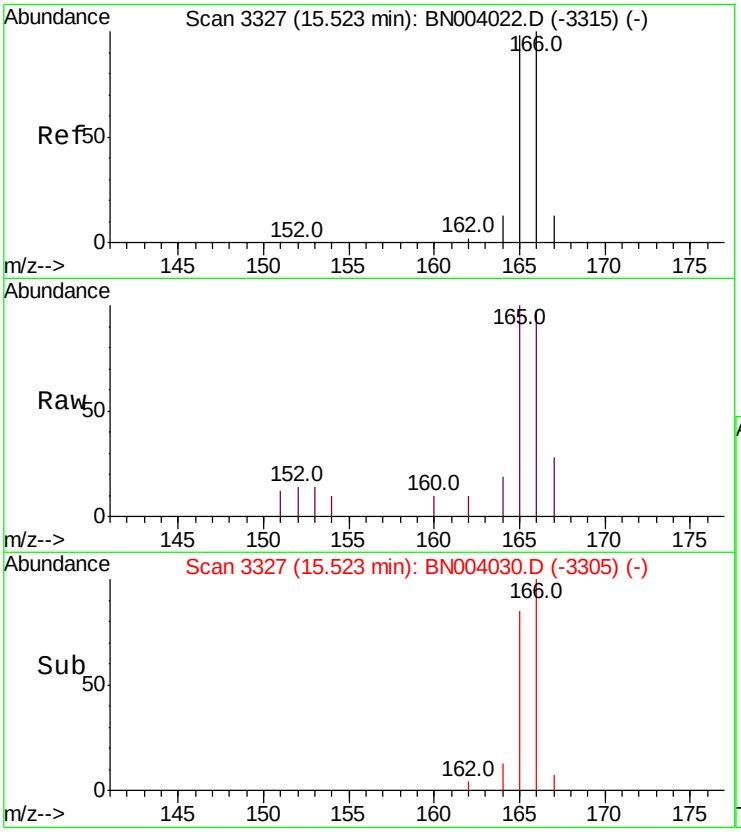


#8
Acenaphthene
Concen: 0.054 ng/ul
RT: 14.54 min Scan# 3114
Delta R.T. 0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

Tgt Ion:153 Resp: 1277

Ion	Ratio	Lower	Upper
153	100		
152	70.8	39.3	58.9#
154	76.7	70.3	105.5





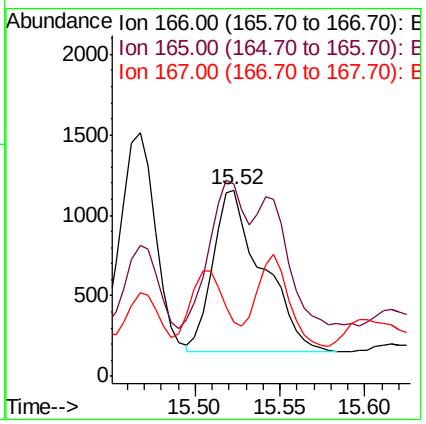
#9
Fluorene
Concen: 0.074 ng/ul
RT: 15.52 min Scan# 3327
Delta R.T. -0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

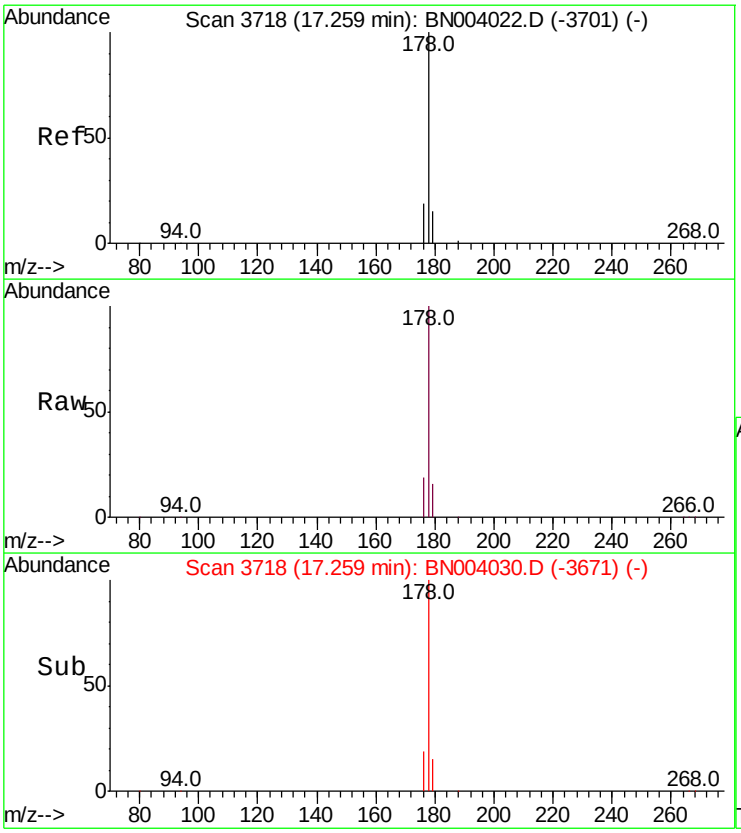
Tgt Ion:166 Resp: 2035

Ion	Ratio	Lower	Upper
166	100		
165	103.4	78.3	117.5
167	29.3	11.3	16.9#

Instrument :
BNA_N
ClientSampleId :
F9E50

Manual Integrations APPROVED
Sohil
12/17/2018 4:29:03 PM

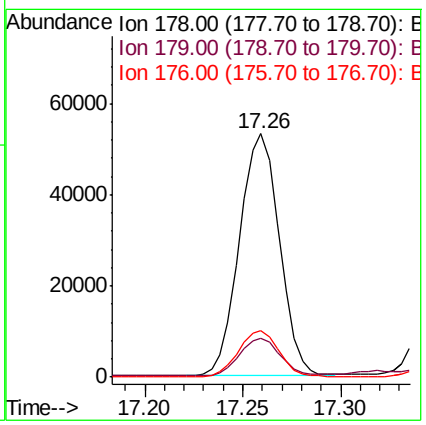


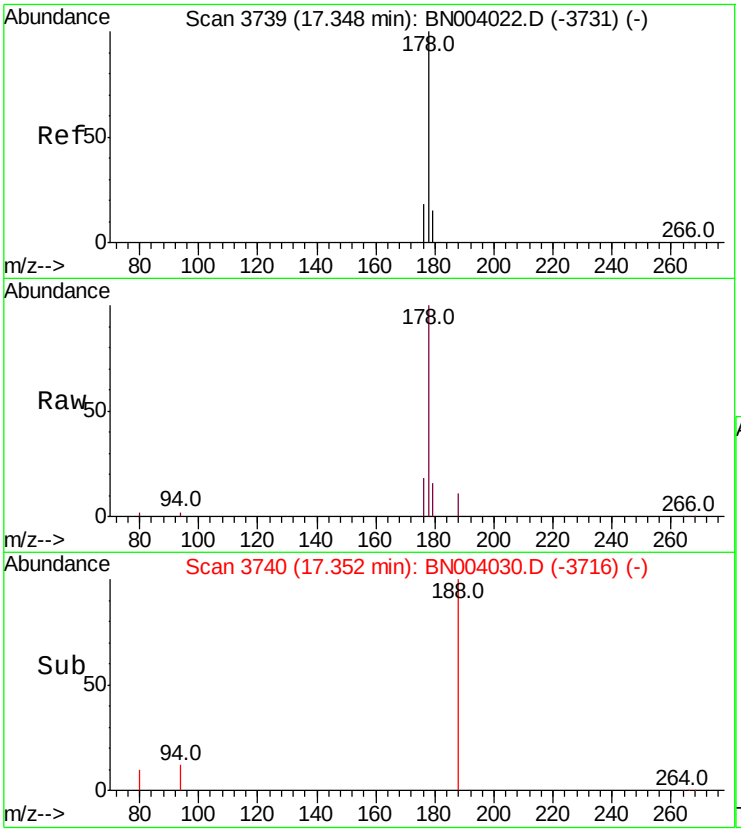


#12
Phenanthrene
Concen: 1.517 ng/ul m
RT: 17.26 min Scan# 3718
Delta R.T. -0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

Tgt Ion:178 Resp: 75230

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.5	18.7
176	19.0	15.0	22.4

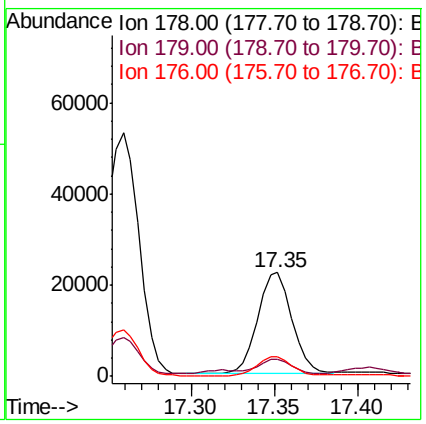




#13
Anthracene
Concen: 0.786 ng/ul m
RT: 17.35 min Scan# 3740
Delta R.T. 0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

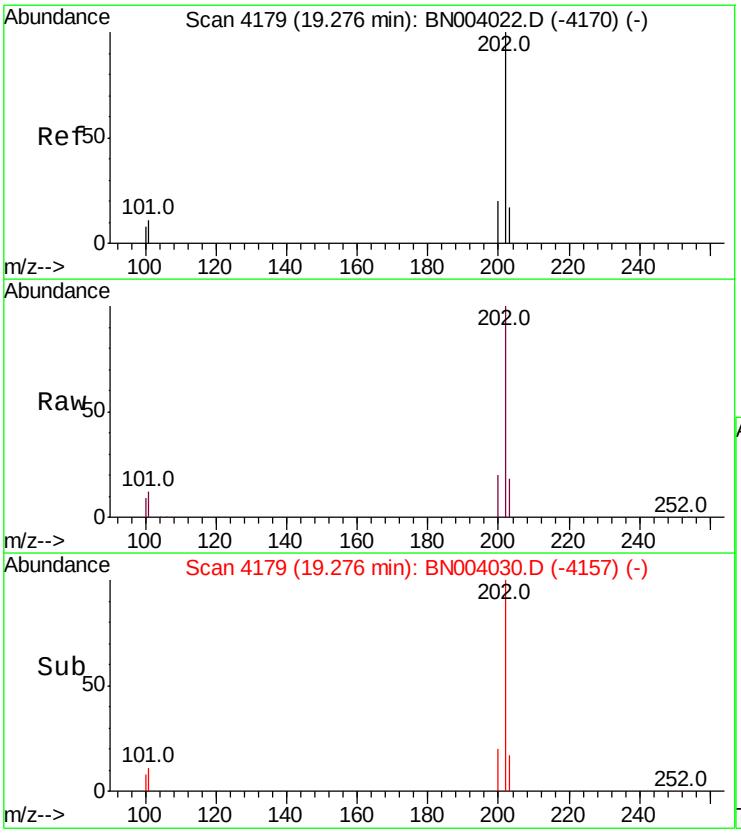
Tgt Ion:178 Resp: 32023

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.3	18.5
176	18.5	14.8	22.2



Instrument :
BNA_N
ClientSampleId :
F9E50

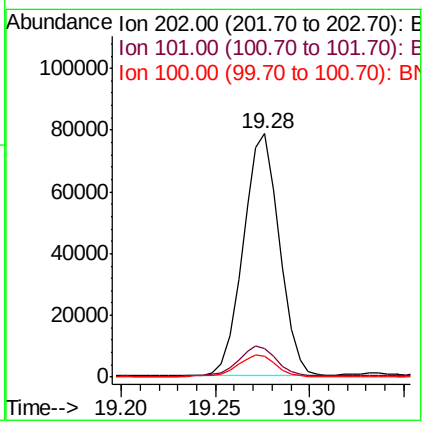
Manual Integrations APPROVED
Sohil
12/17/2018 4:29:03 PM

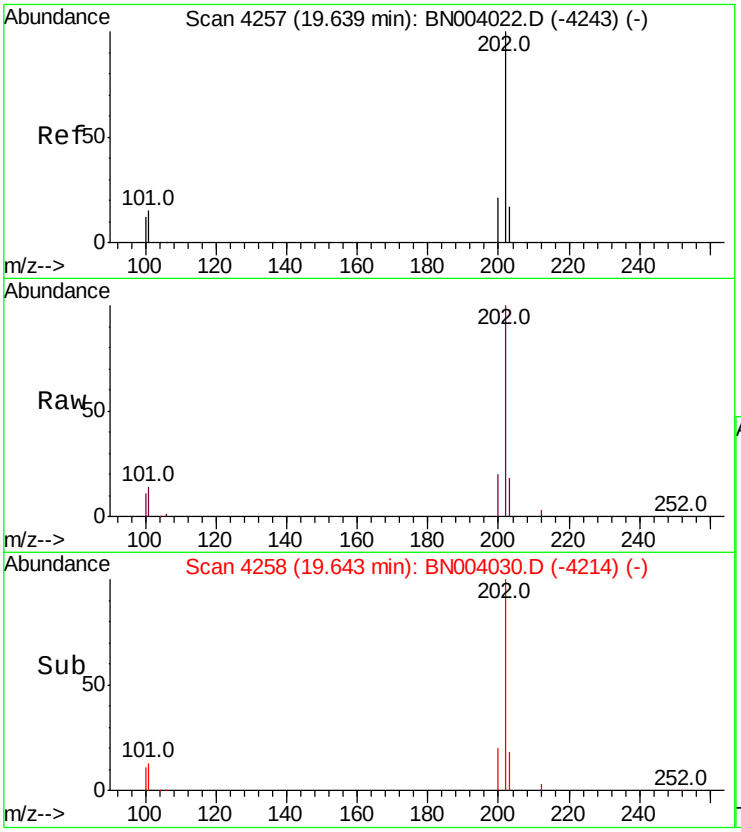


#15
Fluoranthene
Concen: 1.788 ng/ul m
RT: 19.28 min Scan# 4179
Delta R.T. -0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

Tgt Ion:202 Resp: 104689

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	30.7
100	8.5	0.0	28.1

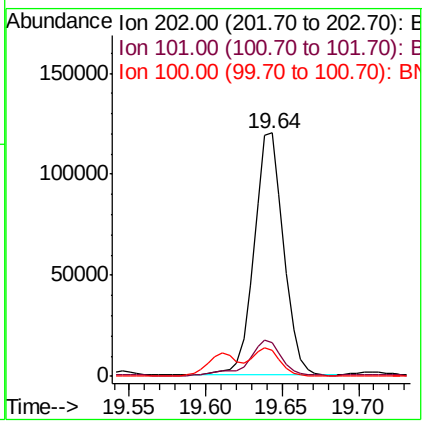




#17
Pyrene
Concen: 2.637 ng/ul
RT: 19.64 min Scan# 4258
Delta R.T. 0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

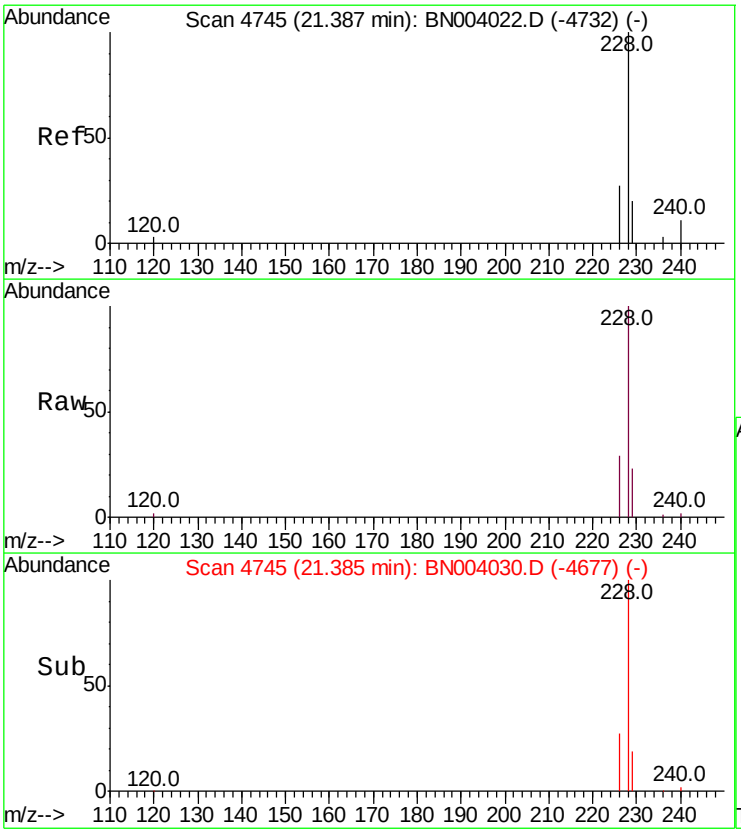
Tgt Ion:202 Resp: 160161

Ion	Ratio	Lower	Upper
202	100		
101	13.7	10.3	15.5
100	10.5	8.5	12.7



Instrument :
BNA_N
ClientSampleId :
F9E50

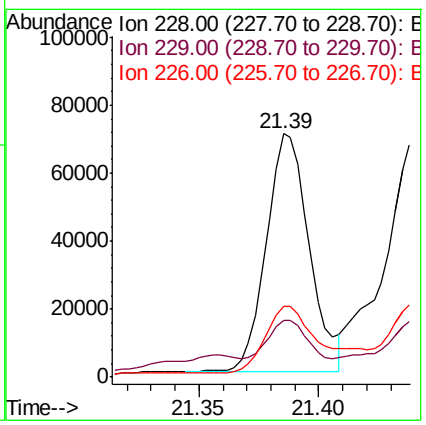
Manual Integrations APPROVED
Sohil
12/17/2018 4:29:03 PM

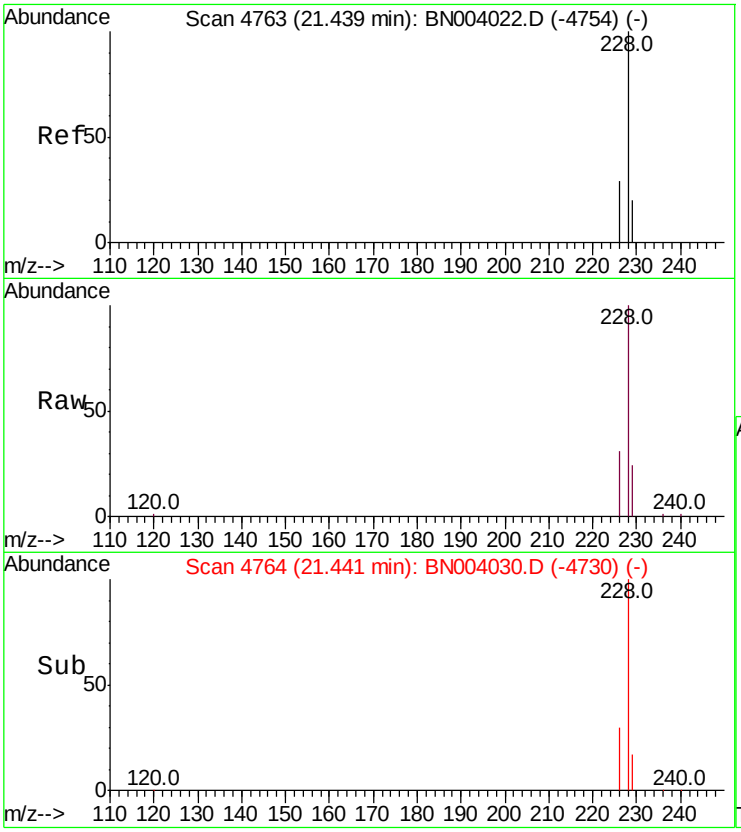


#18
Benzo(a)anthracene
Concen: 1.636 ng/ul m
RT: 21.39 min Scan# 4745
Delta R.T. 0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

Tgt Ion:228 Resp: 87493

Ion	Ratio	Lower	Upper
228	100		
229	23.4	15.6	23.4#
226	28.8	21.1	31.7





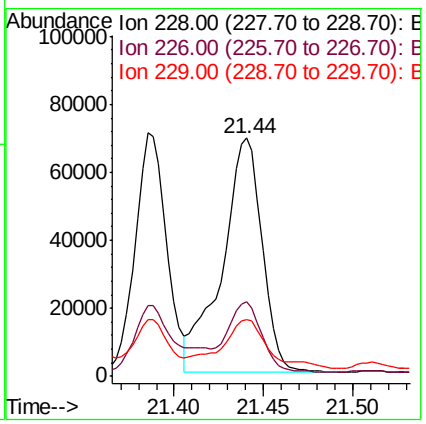
#19
Chrysene
Concen: 1.753 ng/ul m
RT: 21.44 min Scan# 4764
Delta R.T. -0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

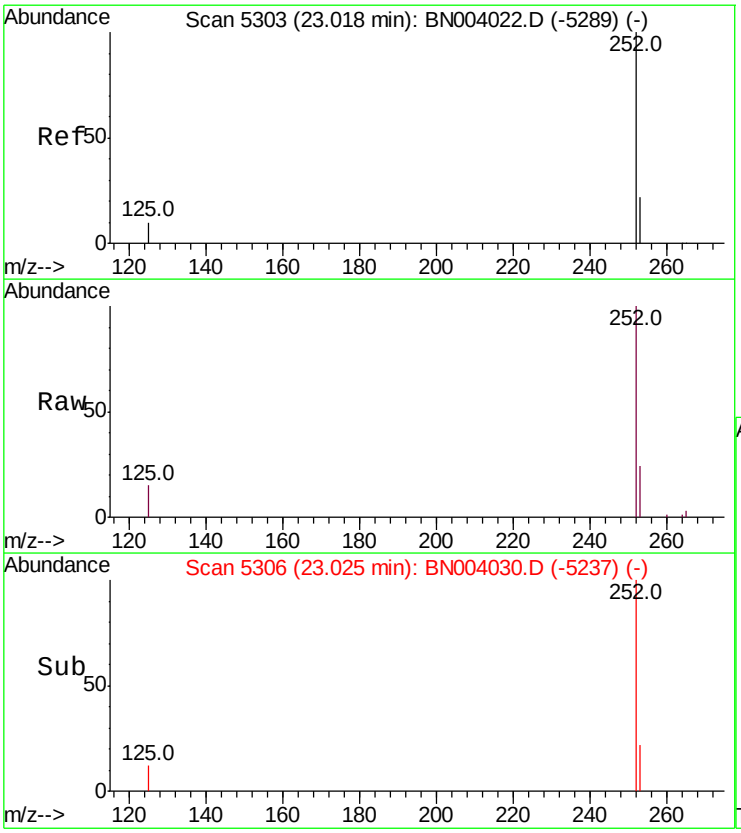
Tgt Ion:228 Resp: 107306

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.0	36.0
229	23.8	15.7	23.5#

Instrument :
BNA_N
ClientSampleId :
F9E50

Manual Integrations APPROVED
Sohil
12/17/2018 4:29:03 PM

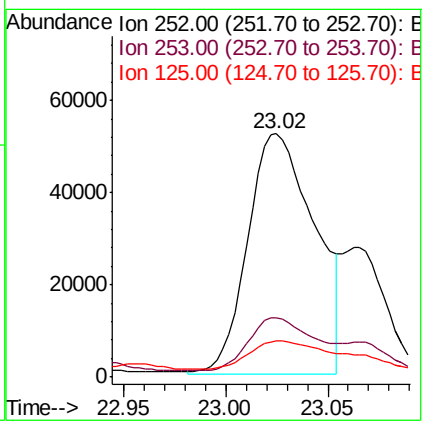


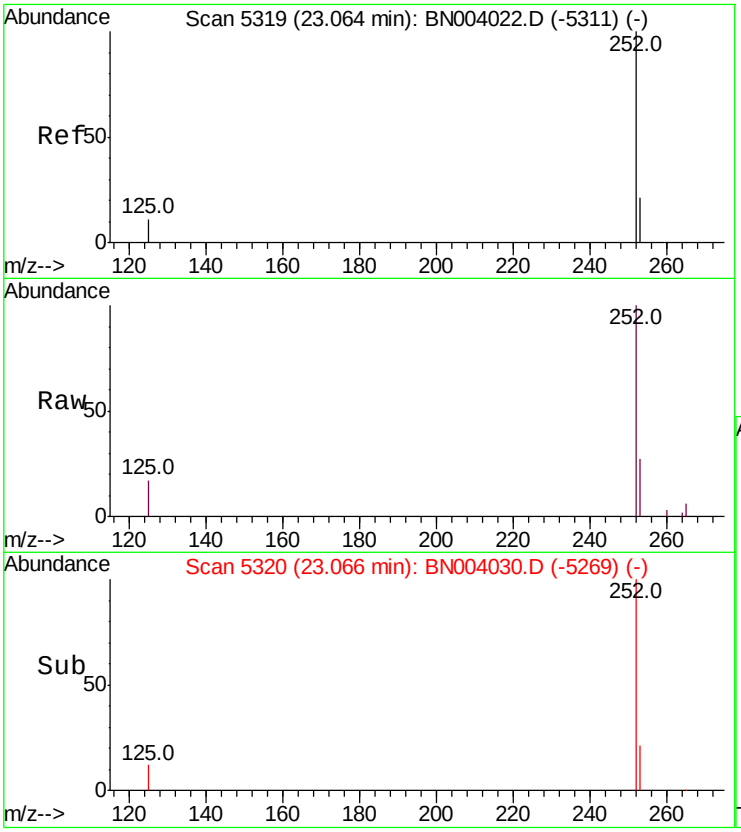


#21
Benzo(b)fluoranthene
Concen: 1.934 ng/ul m
RT: 23.02 min Scan# 5306
Delta R.T. 0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

Tgt Ion:252 Resp: 119674

Ion	Ratio	Lower	Upper
252	100		
253	24.4	0.0	46.0
125	14.8	0.0	22.4





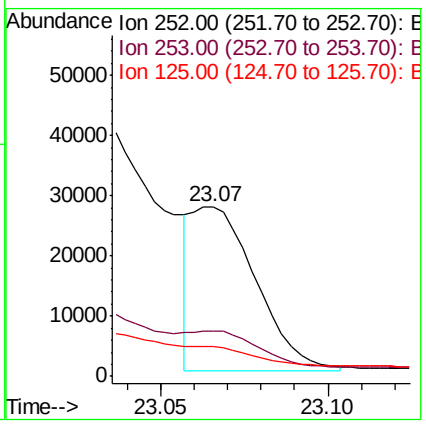
#22
Benzo(k)fluoranthene
Concen: 0.597 ng/ul m
RT: 23.07 min Scan# 5320
Delta R.T. -0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

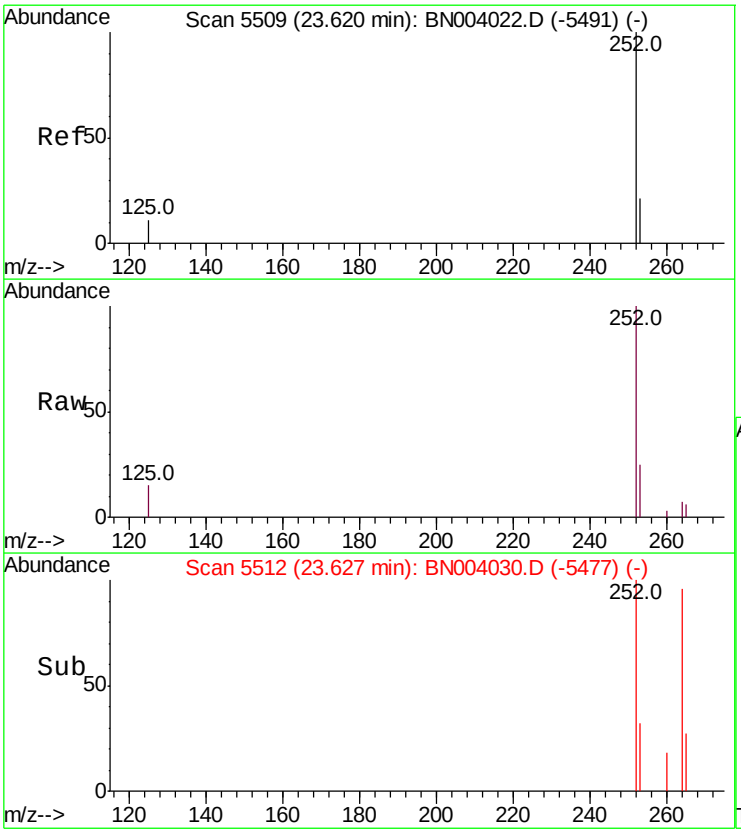
Tgt Ion:252 Resp: 36016

Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.5	27.7
125	17.3	9.0	13.6#

Instrument :
BNA_N
ClientSampleId :
F9E50

Manual Integrations APPROVED
Sohil
12/17/2018 4:29:03 PM

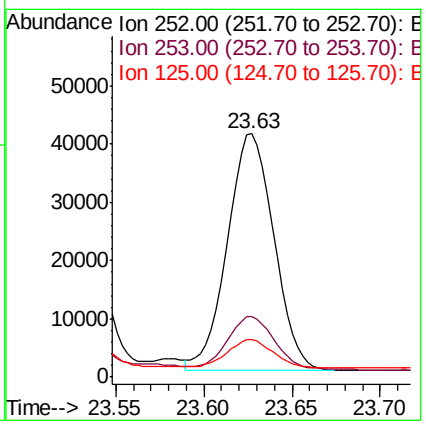


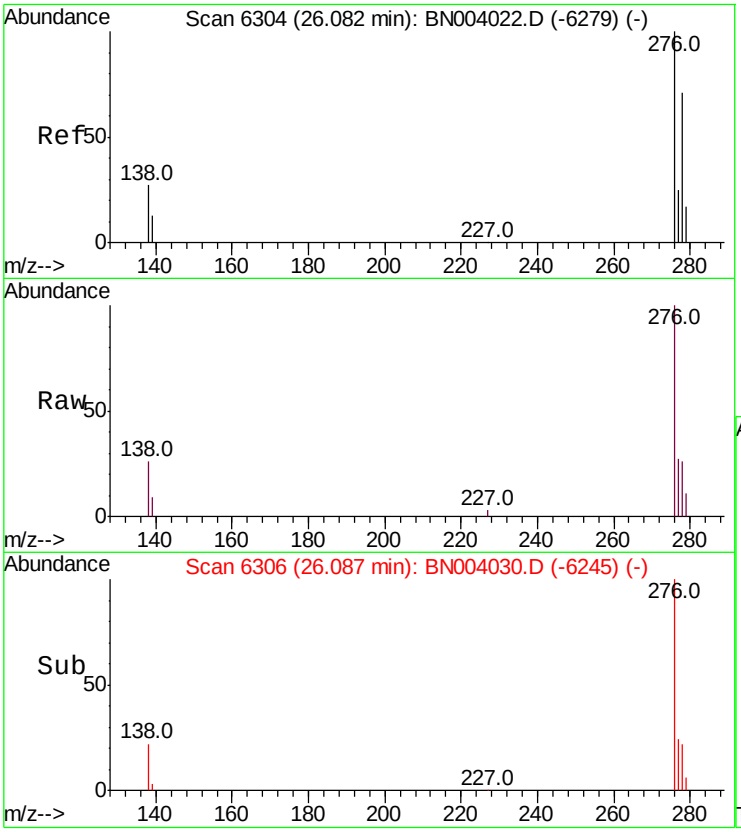


#23
Benzo(a)pyrene
Concen: 1.404 ng/ul m
RT: 23.63 min Scan# 5512
Delta R.T. 0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

Tgt Ion:252 Resp: 75220

Ion	Ratio	Lower	Upper
252	100		
253	24.9	19.0	28.4
125	15.3	10.2	15.4





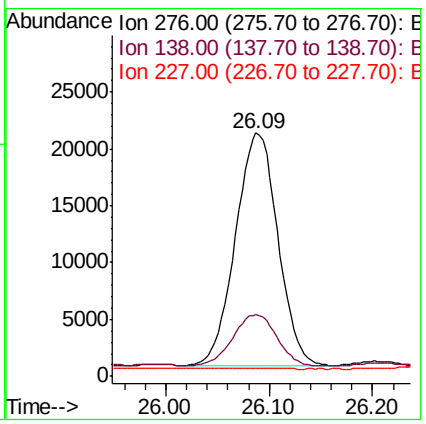
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.945 ng/ul
RT: 26.09 min Scan# 6306
Delta R.T. 0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

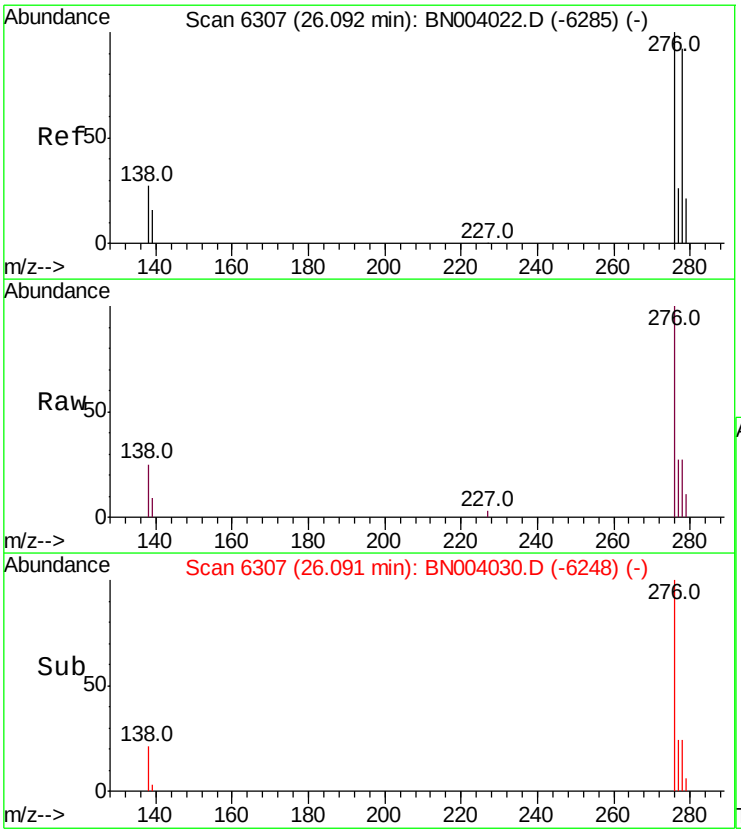
Tgt Ion:276 Resp: 58073

Ion	Ratio	Lower	Upper
276	100		
138	23.1	20.3	30.5
227	0.0	0.2	0.2#

Instrument :
BNA_N
ClientSampleId :
F9E50

Manual Integrations APPROVED
Sohil
12/17/2018 4:29:03 PM

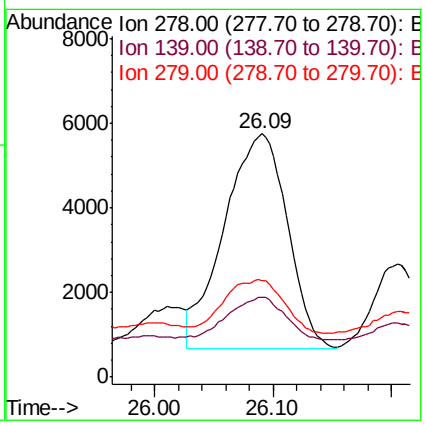


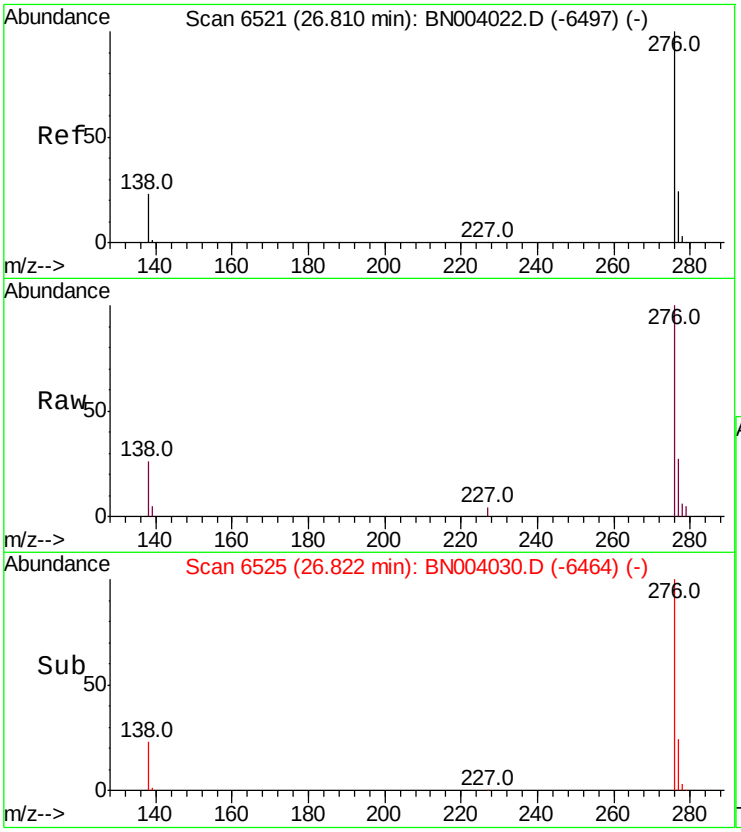


#25
Dibenzo(a,h)anthracene
Concen: 0.380 ng/ul m
RT: 26.09 min Scan# 6307
Delta R.T. -0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

Tgt Ion:278 Resp: 18787

Ion	Ratio	Lower	Upper
278	100		
139	32.7	14.2	21.4#
279	39.7	19.8	29.6#

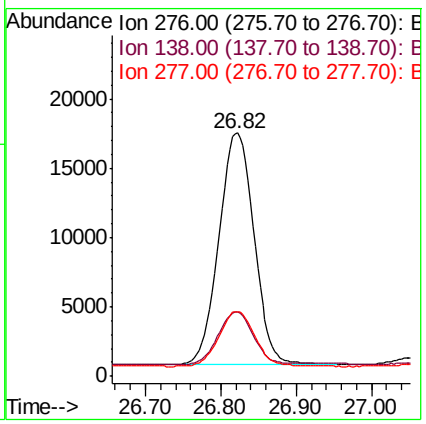




#26
Benzo(g,h,i)perylene
Concen: 1.008 ng/ul
RT: 26.82 min Scan# 6525
Delta R.T. 0.00 min
Lab File: BN004030.D
Acq: 17 Dec 2018 11:53

Tgt Ion:276 Resp: 53858

Ion	Ratio	Lower	Upper
276	100		
138	26.5	17.7	26.5
277	26.6	19.3	28.9



Instrument :
BNA_N
ClientSampleId :
F9E50

Manual Integrations APPROVED
Sohil
12/17/2018 4:29:03 PM