Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005200.D
Acq On : 23 Apr 2019 06:47
Operator : JU/SJ
Sample : K2455-11
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1

Manual Integrations APPROVED
Sohil
4/23/2019 4:20:01 PM

Quant Time: Apr 23 09:22:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 23 03:50:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	16231	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	60182	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.27	164	1042530	20.00	ng/ul	0.04
61) Phenanthrene-d10	17.16	188	2261288	20.00	ng/ul	0.17
77) Chrysene-d12	21.25	240	130395m	20.00	ng/ul	0.03
85) Perylene-d12	24.30	264	1744218m	20.00	ng/ul	0.88
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	77924	231.80	ng/uL	0.00
5) Phenol-d5	6.78	99	728721	571.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	521137	655.33	ng/ul	0.01
9) 2-Chlorophenol-d4	7.14	132	620743	636.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	499082	500.84	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	399726	1079.14	ng/ul	0.01
22) 2-Nitrophenol-d4	9.48	143	333173	887.22	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.01	165	617473	717.35	ng/ul	0.02
29) 4-Chloroaniline-d4	10.50	131	405724	457.05	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	1854610m	24.51	ng/ul	0.09
46) Acenaphthylene-d8	14.00	160	2336597	25.14	ng/ul	0.08
51) 4-Nitrophenol-d4	14.49	143	467374	39.11	ng/ul	0.06
57) Fluorene-d10	15.29	176	1600920	25.21	ng/ul	0.05
62) 4,6-Dinitro-2-methylphenol	15.47	200	80005	7.87	ng/ul	0.12
70) Anthracene-d10	17.16	188	2283585	24.09	ng/ul	0.07
78) Pyrene-d10	19.43	212	2133312	319.81	ng/ul	0.03
89) Benzo(a)pyrene-d12	23.32	264	1895896	24.87	ng/ul	0.04
Target Compounds						Qvalue
14) Acetophenone	8.40	105	1975232	1238.521	ng/ul#	61
24) 2,4-Dimethylphenol	9.59	107	157217	147.556	ng/ul#	59
28) Naphthalene	10.42	128	66434048m	23745.418	ng/ul	
34) 2-Methylnaphthalene	12.06	142	103261804m	50407.159	ng/ul	
40) 1,1'-Biphenyl	13.09	154	23809544m	306.516	ng/ul	
44) Dimethylphthalate	13.78	163	359786m	4.771	ng/ul	
47) Acenaphthylene	14.02	152	38500642m	421.479	ng/ul	
49) Acenaphthene	14.36	153	15418332	247.242	ng/ul	96
53) Dibenzofuran	14.69	168	19637341	218.713	ng/ul	89
58) Fluorene	15.33	166	36018920m	514.106	ng/ul	
69) Phenanthrene	17.05	178	57072775m	518.239	ng/ul	
71) Anthracene	17.17	178	23870062m	212.770	ng/ul	
76) Fluoranthene	19.09	202	23047015m	188.673	ng/ul	
79) Pyrene	19.45	202	27860039m	3318.361	ng/ul	
81) 3,3'-Dichlorobenzidine	21.29	252	794602m	305.003	ng/ul	
82) Benzo(a)anthracene	21.22	228	17219749m	2122.773	ng/ul	
84) Chrysene	21.28	228	16040164m	2130.562	ng/ul	
87) Benzo(b)fluoranthene	22.81	252	11740141m	119.740	ng/ul	
88) Benzo(k)fluoranthene	22.84	252	3570923m	38.134	ng/ul	
90) Benzo(a)pyrene	23.37	252	12327598m	133.763	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.64	276	4740818m	46.527	ng/ul	
92) Dibenzo(a,h)anthracene	25.64	278	1856540m	21.470	ng/ul	
93) Benzo(g,h,i)perylene	26.31	276	3437238m	40.797	ng/ul	

Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005200.D
Acq On : 23 Apr 2019 06:47
Operator : JU/SJ
Sample : K2455-11
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Apr 23 09:22:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 23 03:50:45 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAHR1

Manual Integrations APPROVED
Sohil
4/23/2019 4:20:01 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

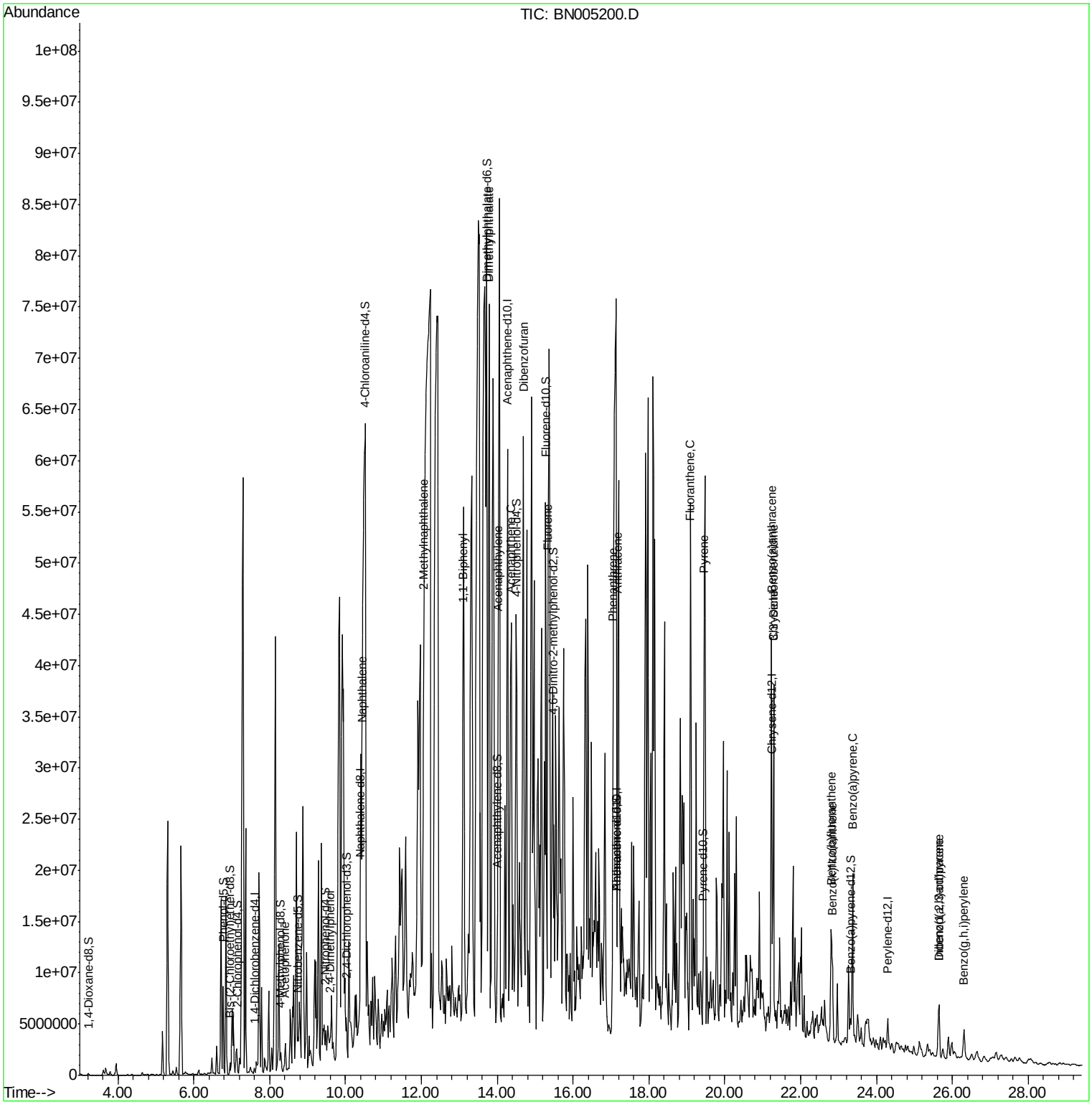
Quantitation Report (LSC Reviewed)

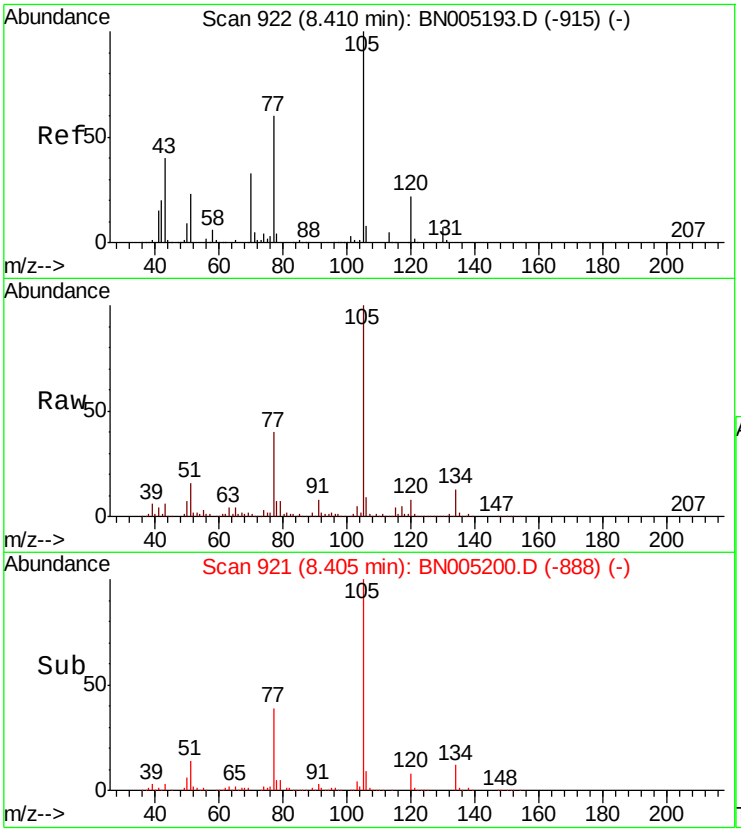
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005200.D
Acq On : 23 Apr 2019 06:47
Operator : JU/SJ
Sample : K2455-11
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Apr 23 09:22:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 23 03:50:45 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAHR1

Manual Integrations APPROVED
Sohil
4/23/2019 4:20:01 PM





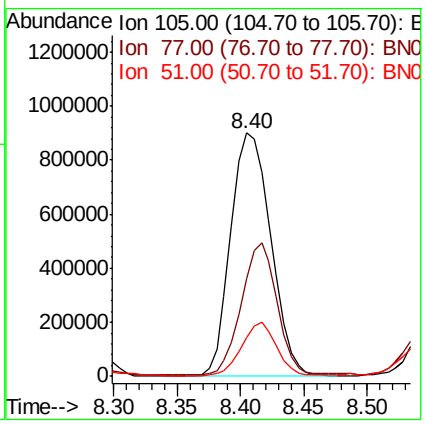
#14
Acetophenone
Concen: 1238.521 ng/ul
RT: 8.40 min Scan# 921
Delta R.T. -0.01 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

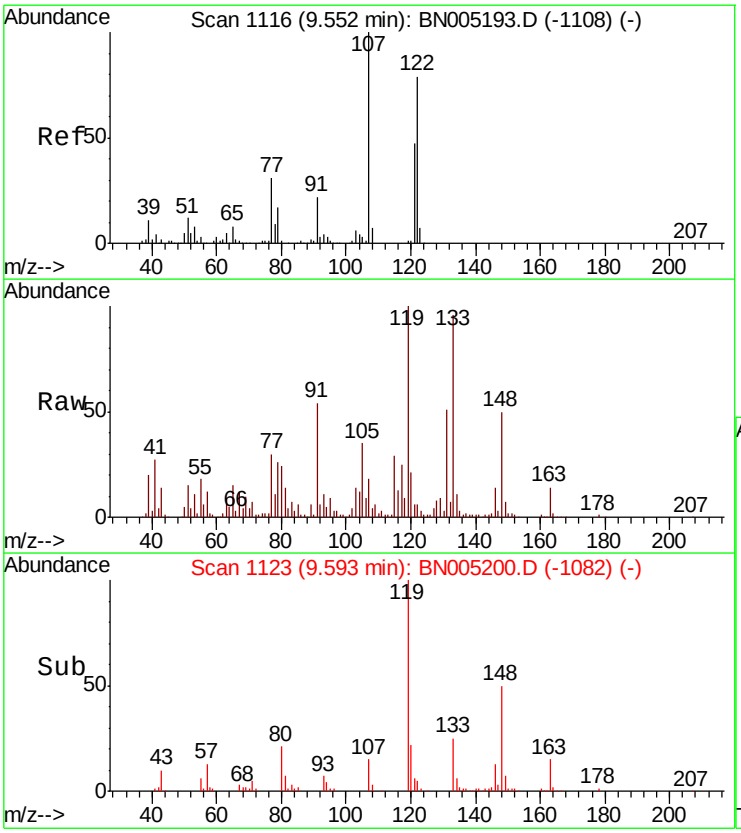
Tgt Ion:105 Resp: 1975232

Ion	Ratio	Lower	Upper
105	100		
77	40.3	63.4	95.0#
51	15.7	24.2	36.4#

Instrument :
BNA_N
ClientSampleId :
GAHR1

Manual Integrations APPROVED
Sohil
4/23/2019 4:20:01 PM

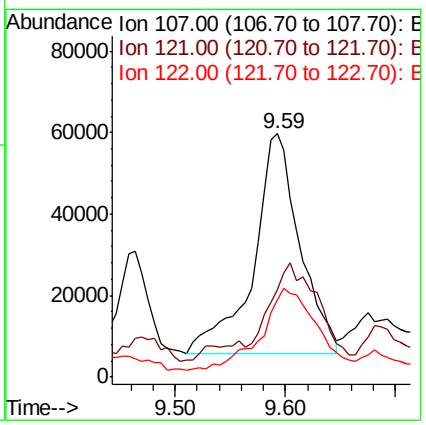


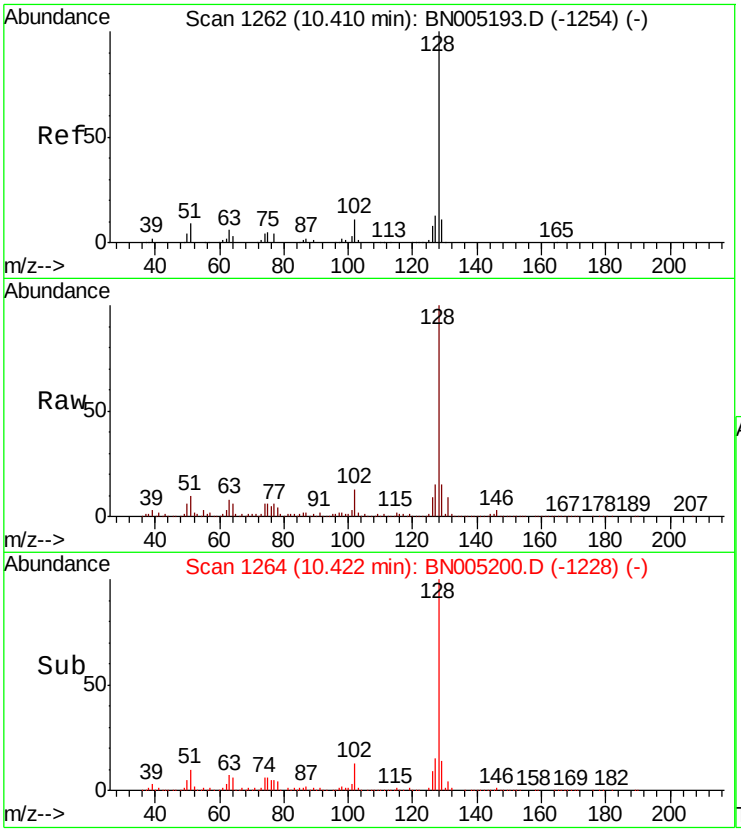


#24
2,4-Dimethylphenol
Concen: 147.556 ng/ul
RT: 9.59 min Scan# 1123
Delta R.T. 0.04 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

Tgt Ion:107 Resp: 157217

Ion	Ratio	Lower	Upper
107	100		
121	36.0	37.8	56.8#
122	31.6	65.0	97.4#





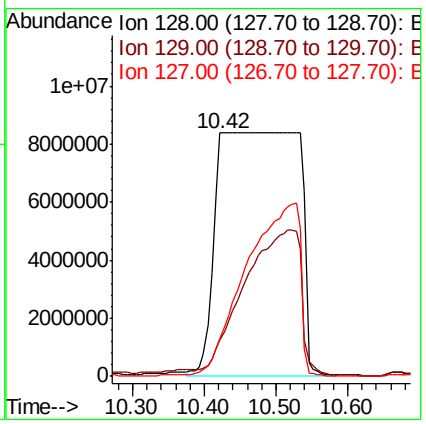
#28
Naphthalene
Concen: 23745.418 ng/ul m
RT: 10.42 min Scan# 1264
Delta R.T. 0.01 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

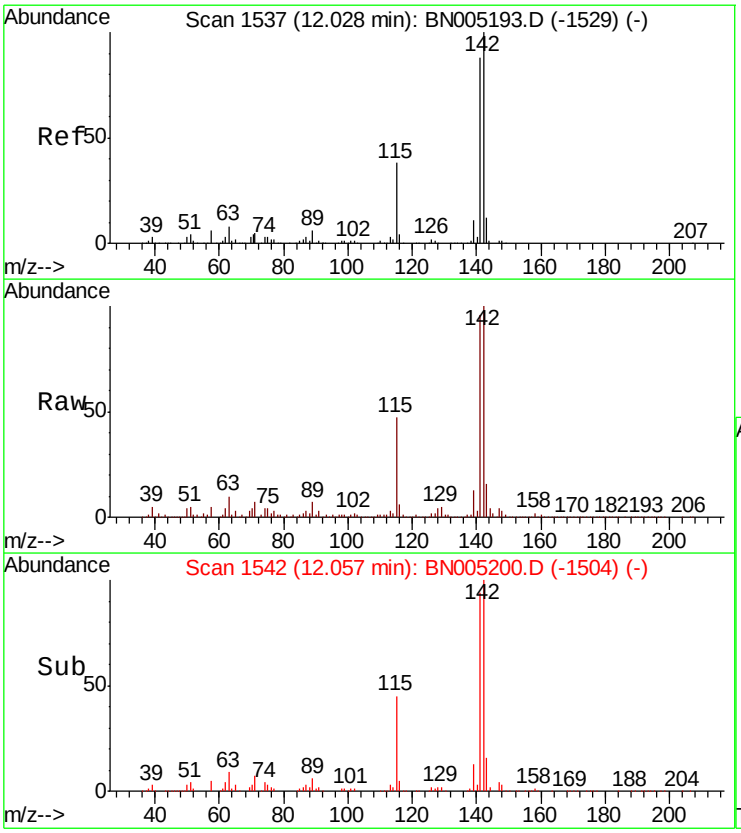
Tgt Ion:128 Resp:66434048

Ion	Ratio	Lower	Upper
128	100		
129	14.8	9.2	13.8#
127	15.4	10.7	16.1

Instrument :
BNA_N
ClientSampleId :
GAHR1

Manual Integrations APPROVED
Sohil
4/23/2019 4:20:01 PM

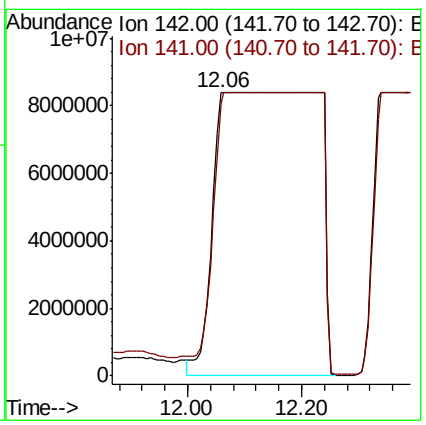


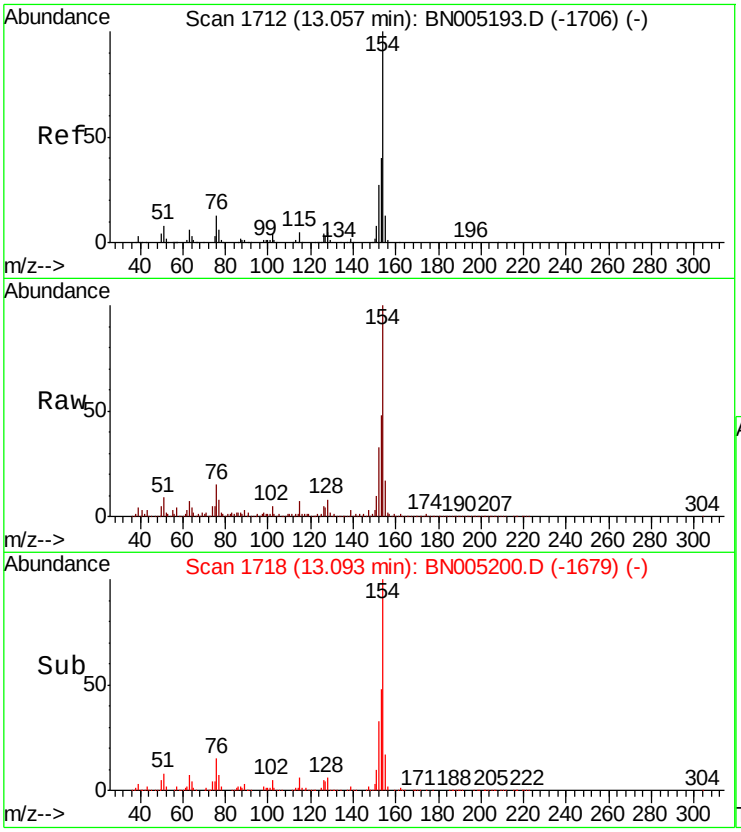


#34
2-Methylnaphthalene
Concen: 50407.159 ng/ul m
RT: 12.06 min Scan# 1542
Delta R.T. 0.02 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

Tgt Ion:142 Resp:103261804

Ion	Ratio	Lower	Upper
142	100		
141	95.9	72.0	108.0

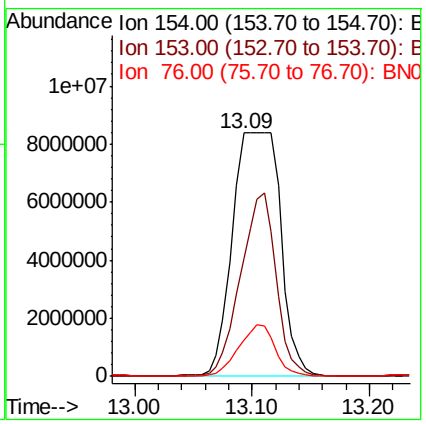




#40
1,1'-Biphenyl
Concen: 306.516 ng/ul m
RT: 13.09 min Scan# 1718
Delta R.T. 0.03 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

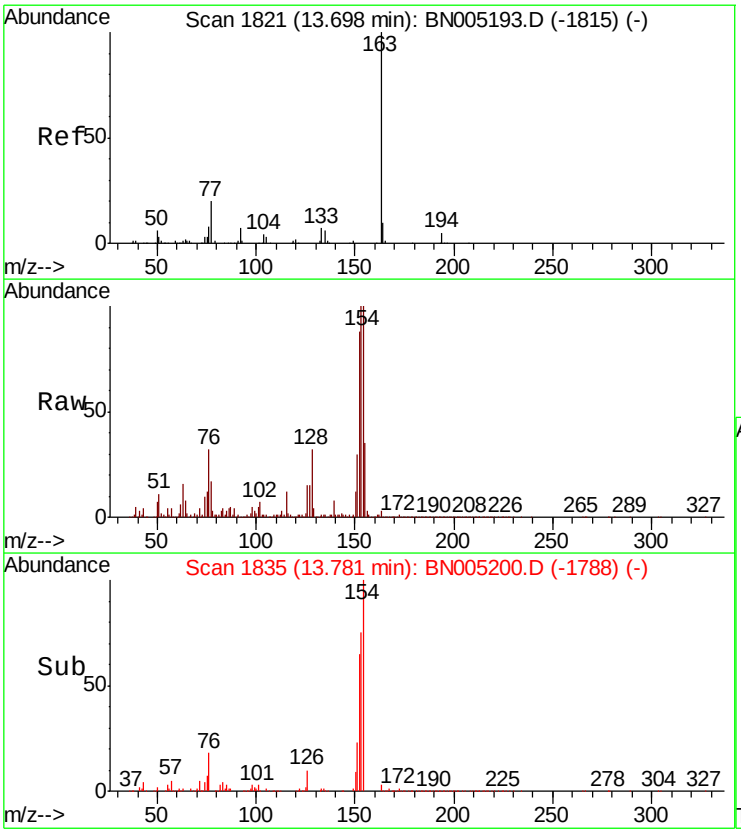
Tgt Ion:154 Resp:23809544

Ion	Ratio	Lower	Upper
154	100		
153	48.4	32.6	49.0
76	14.8	10.4	15.6



Instrument :
BNA_N
ClientSampleId :
GAHR1

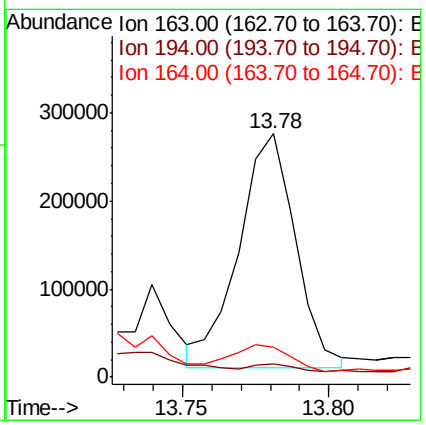
Manual Integrations APPROVED
Sohil
4/23/2019 4:20:01 PM

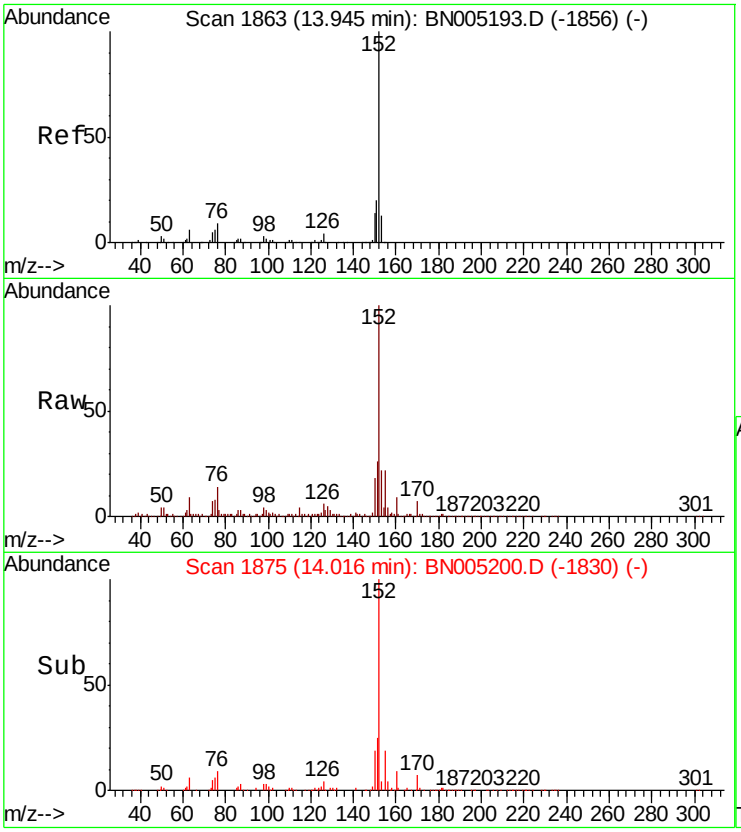


#44
Dimethylphthalate
Concen: 4.771 ng/ul m
RT: 13.78 min Scan# 1835
Delta R.T. 0.08 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

Tgt Ion:163 Resp: 359786

Ion	Ratio	Lower	Upper
163	100		
194	5.6	3.4	5.0#
164	12.5	8.1	12.1#

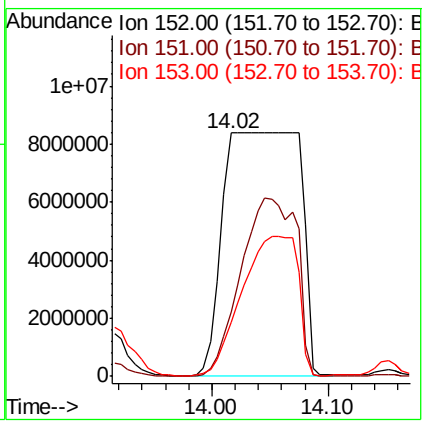




#47
Acenaphthylene
Concen: 421.479 ng/ul m
RT: 14.02 min Scan# 1875
Delta R.T. 0.06 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

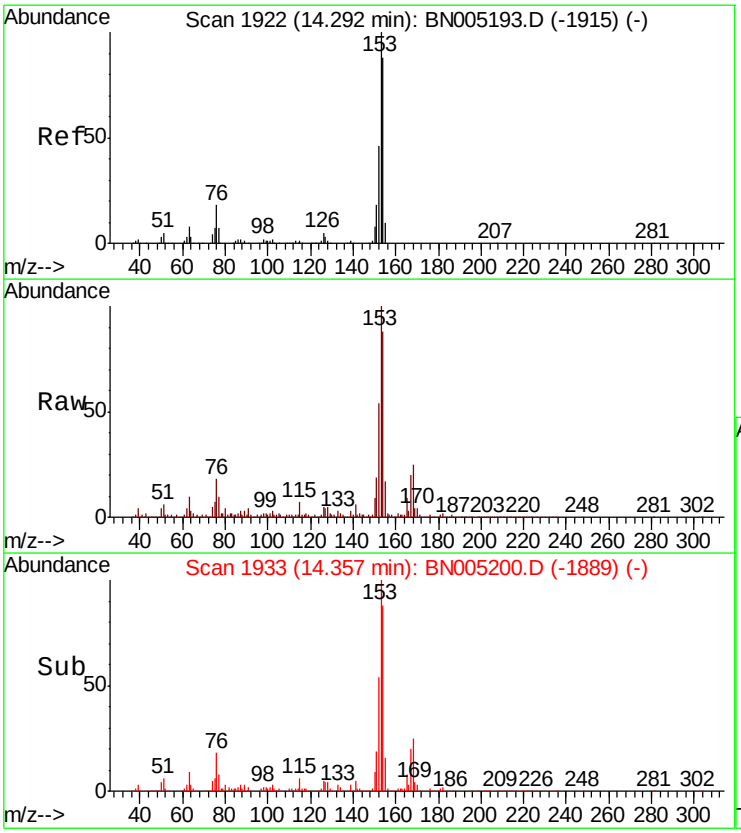
Tgt Ion:152 Resp:38500642

Ion	Ratio	Lower	Upper
152	100		
151	26.2	15.8	23.8#
153	22.1	9.8	14.8#



Instrument :
BNA_N
ClientSampleId :
GAHR1

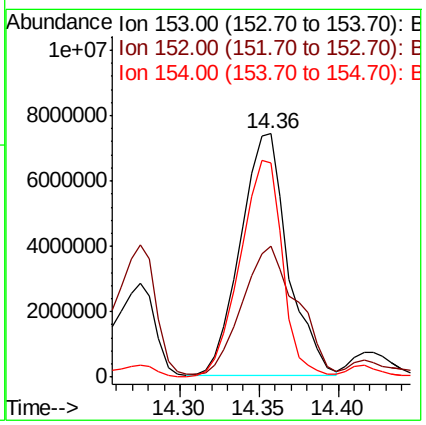
Manual Integrations APPROVED
Sohil
4/23/2019 4:20:01 PM

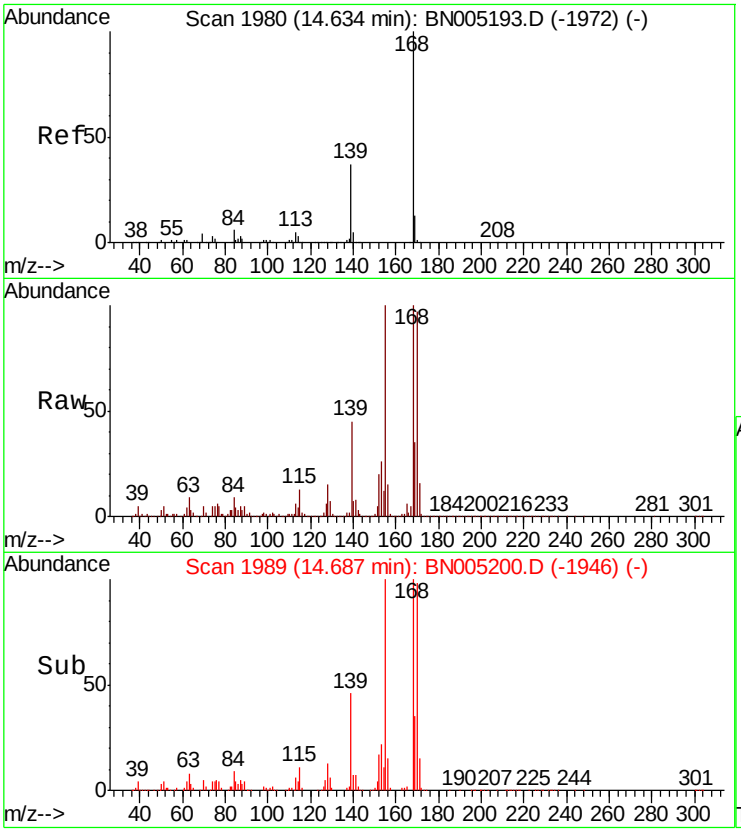


#49
Acenaphthene
Concen: 247.242 ng/ul
RT: 14.36 min Scan# 1933
Delta R.T. 0.06 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

Tgt Ion:153 Resp:15418332

Ion	Ratio	Lower	Upper
153	100		
152	54.0	37.4	56.0
154	88.2	71.2	106.8





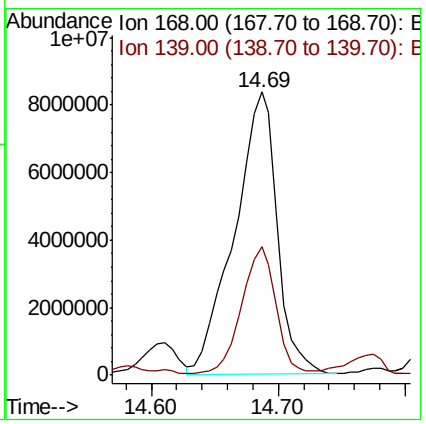
#53
Dibenzofuran
Concen: 218.713 ng/ul
RT: 14.69 min Scan# 1989
Delta R.T. 0.05 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

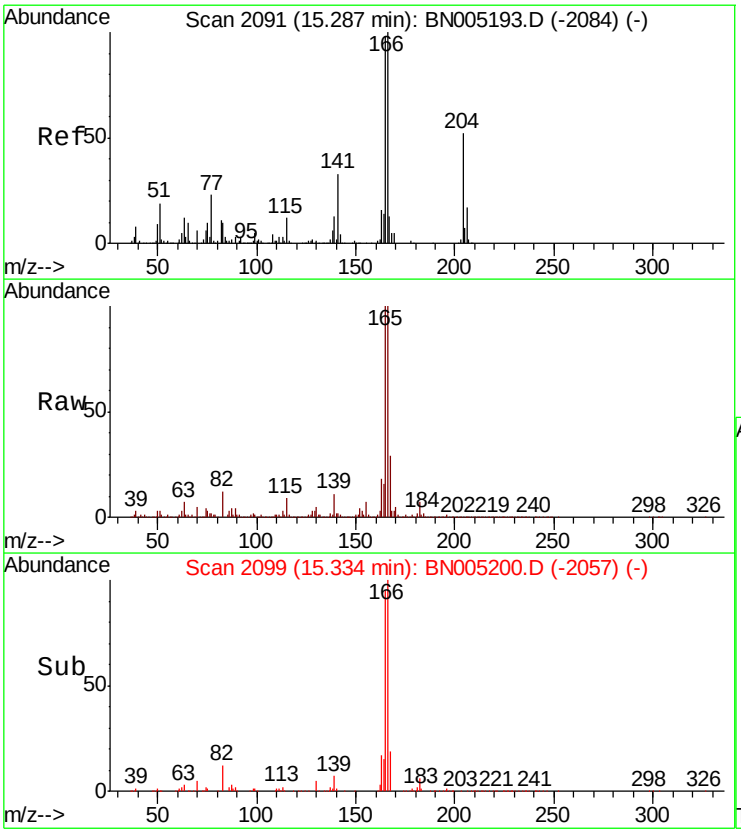
Tgt Ion:168 Resp:19637341

Ion	Ratio	Lower	Upper
168	100		
139	45.2	30.9	46.3

Instrument :
BNA_N
ClientSampleId :
GAHR1

Manual Integrations APPROVED
Sohil
4/23/2019 4:20:01 PM

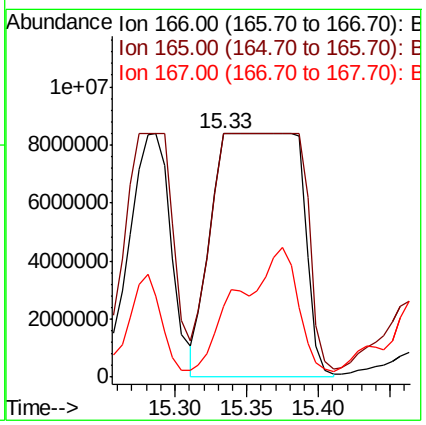


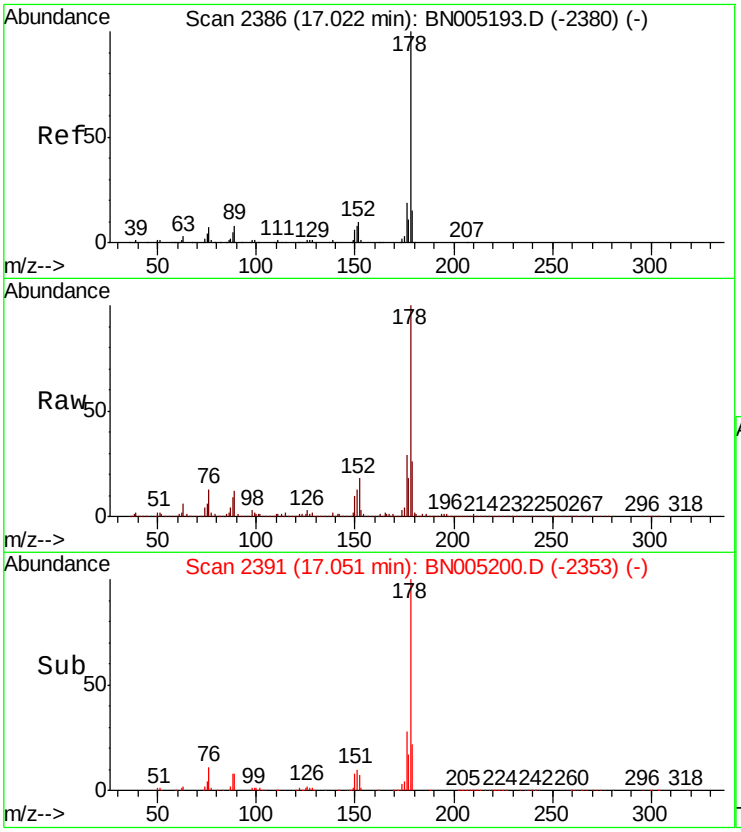


#58
Fluorene
Concen: 514.106 ng/ul m
RT: 15.33 min Scan# 2099
Delta R.T. 0.05 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

Tgt Ion:166 Resp:36018920

Ion	Ratio	Lower	Upper
166	100		
165	100.0	80.0	120.0
167	29.0	10.7	16.1#

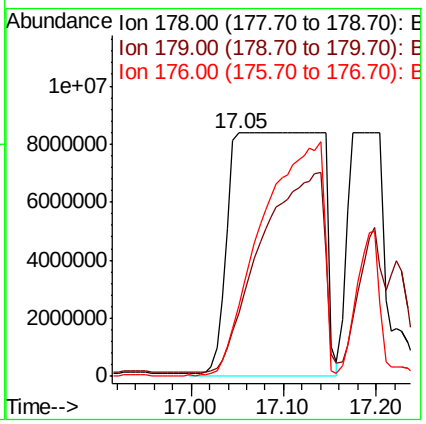




#69
Phenanthrene
Concen: 518.239 ng/ul m
RT: 17.05 min Scan# 2391
Delta R.T. 0.02 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

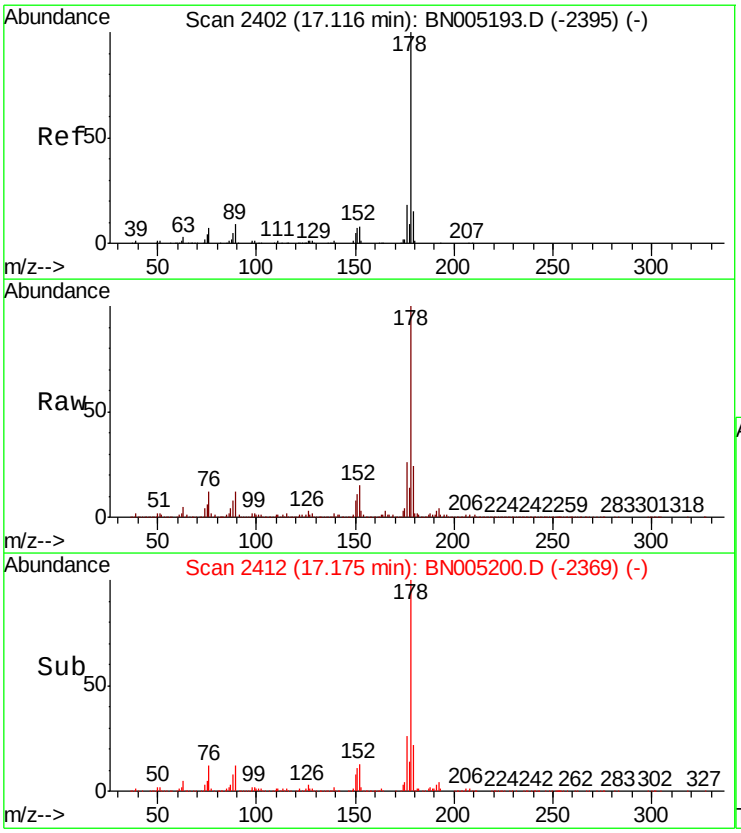
Tgt Ion:178 Resp:57072775

Ion	Ratio	Lower	Upper
178	100		
179	25.9	12.2	18.4#
176	28.9	15.1	22.7#



Instrument :
BNA_N
ClientSampleId :
GAHR1

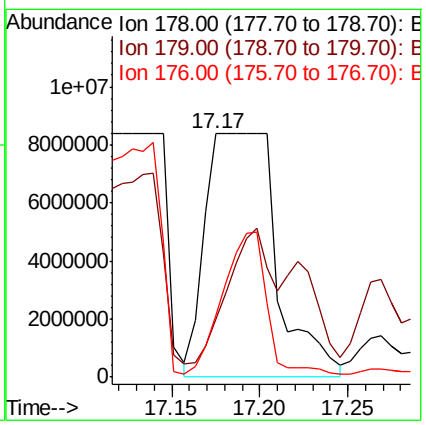
Manual Integrations APPROVED
Sohil
4/23/2019 4:20:01 PM

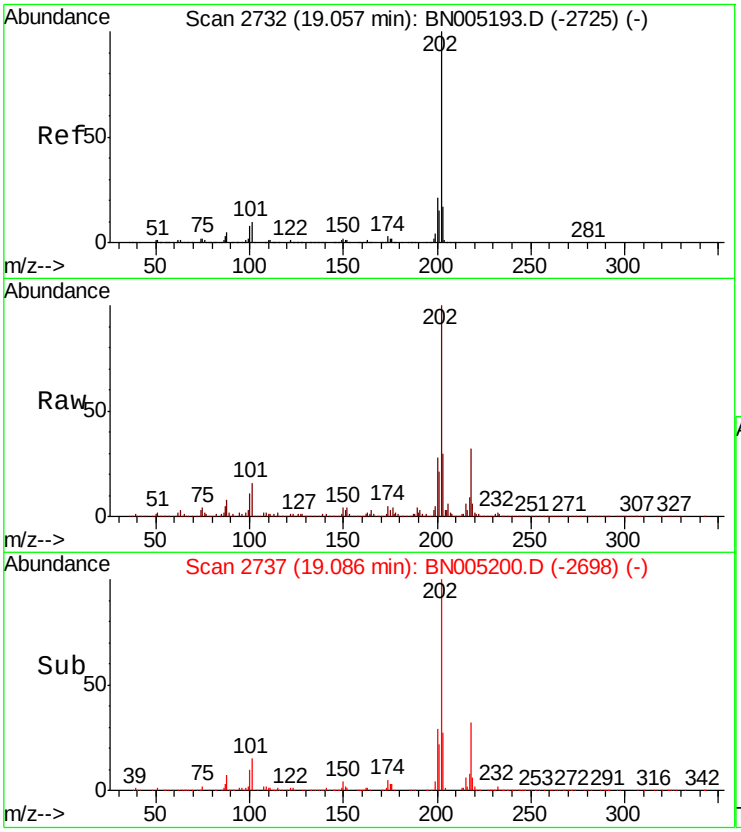


#71
Anthracene
Concen: 212.770 ng/ul m
RT: 17.17 min Scan# 2412
Delta R.T. 0.05 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

Tgt Ion:178 Resp:23870062

Ion	Ratio	Lower	Upper
178	100		
179	23.7	12.3	18.5#
176	25.6	15.1	22.7#





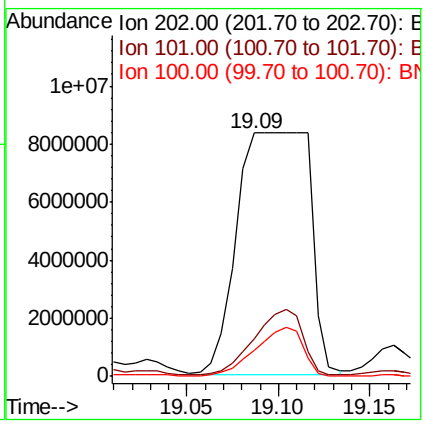
#76
Fluoranthene
Concen: 188.673 ng/ul m
RT: 19.09 min Scan# 2737
Delta R.T. 0.03 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

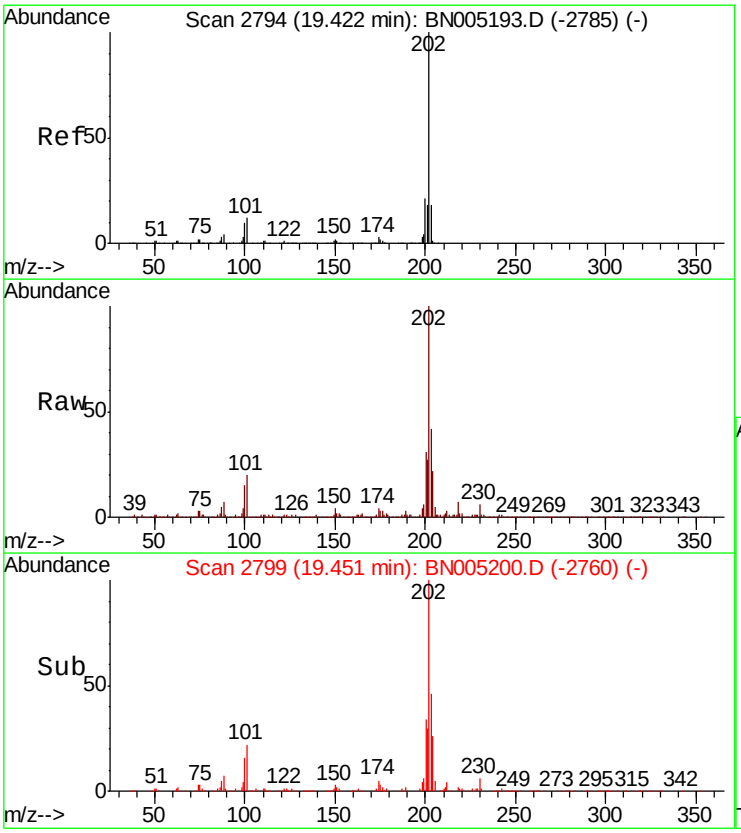
Tgt Ion:202 Resp:23047015

Ion	Ratio	Lower	Upper
202	100		
101	15.7	8.6	12.8#
100	10.8	6.3	9.5#

Instrument :
BNA_N
ClientSampleId :
GAHR1

Manual Integrations APPROVED
Sohil
4/23/2019 4:20:01 PM

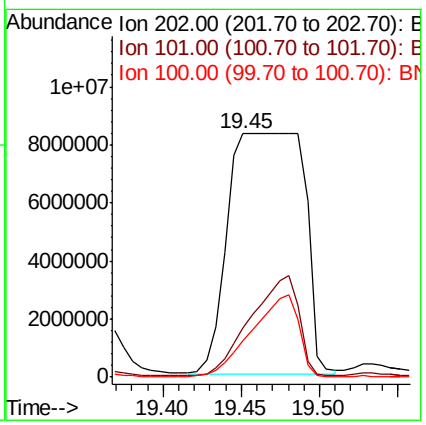


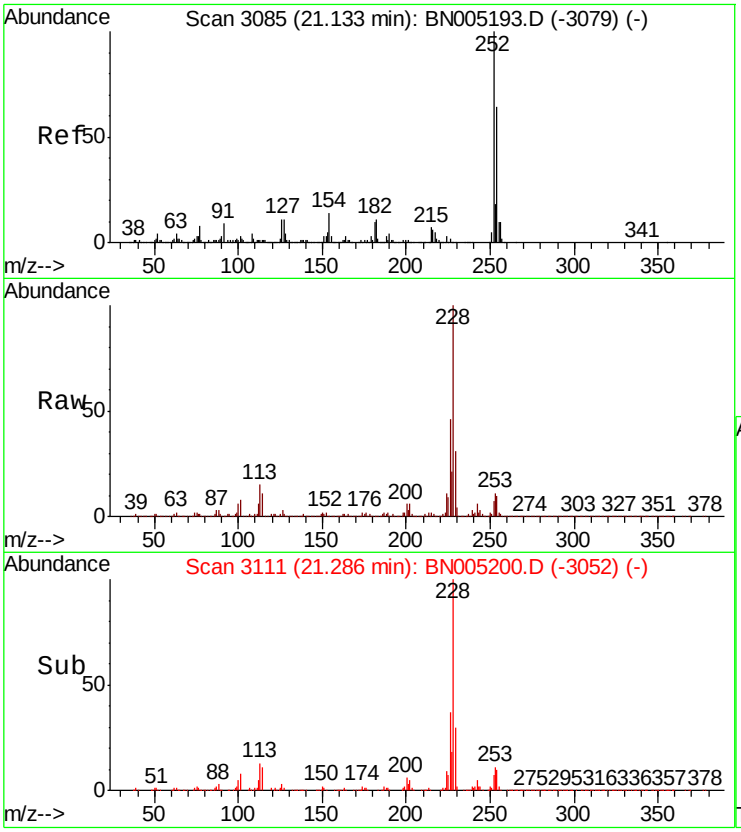


#79
Pyrene
Concen: 3318.361 ng/ul m
RT: 19.45 min Scan# 2799
Delta R.T. 0.03 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

Tgt Ion:202 Resp:27860039

Ion	Ratio	Lower	Upper
202	100		
101	20.1	10.3	15.5#
100	14.6	7.9	11.9#





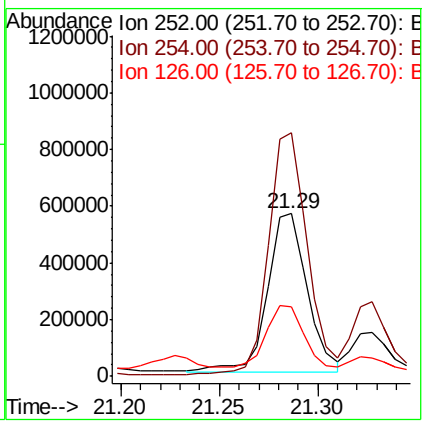
#81
3,3'-Dichlorobenzidine
Concen: 305.003 ng/ul m
RT: 21.29 min Scan# 3111
Delta R.T. 0.15 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

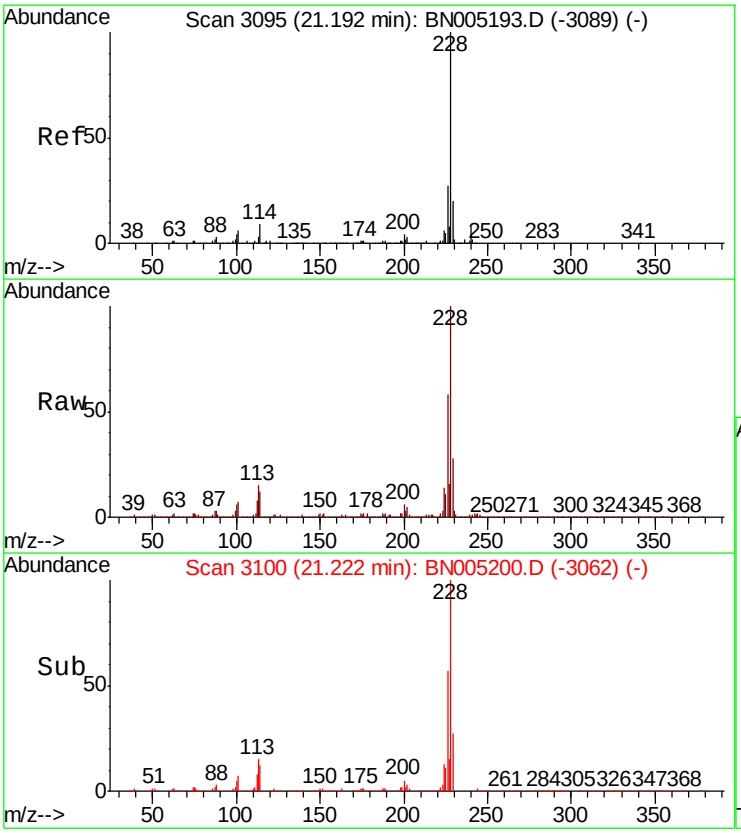
Tgt Ion:252 Resp: 794602

Ion	Ratio	Lower	Upper
252	100		
254	149.9	51.1	76.7#
126	43.0	9.4	14.0#

Instrument :
BNA_N
ClientSampleId :
GAHR1

Manual Integrations APPROVED
Sohil
4/23/2019 4:20:01 PM

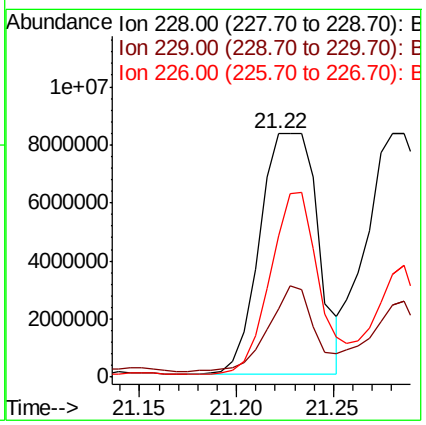


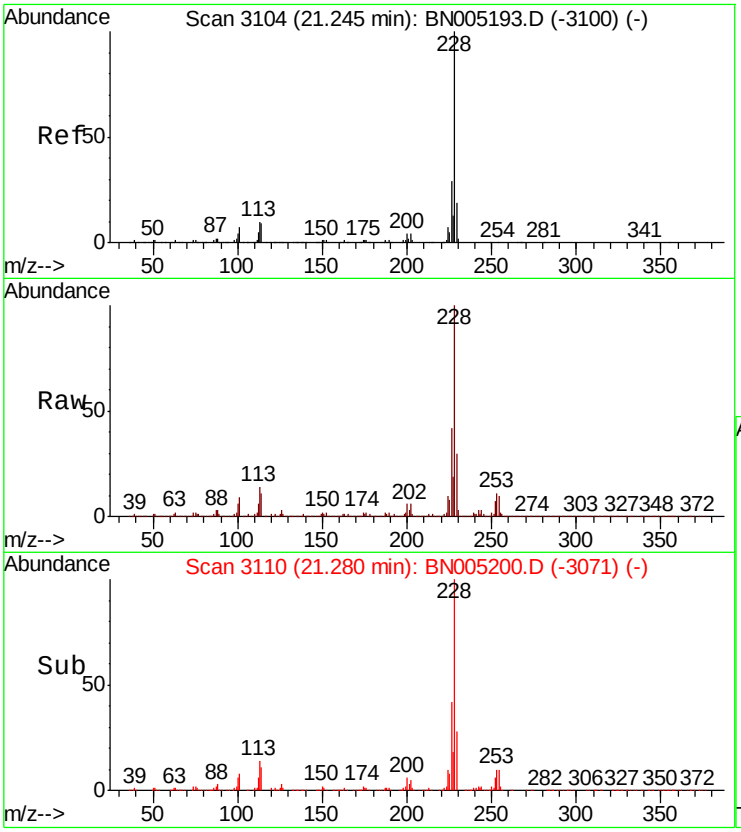


#82
Benzo(a)anthracene
Concen: 2122.773 ng/ul m
RT: 21.22 min Scan# 3100
Delta R.T. 0.02 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

Tgt Ion:228 Resp:17219749

Ion	Ratio	Lower	Upper
228	100		
229	28.2	15.8	23.6#
226	58.1	21.4	32.2#

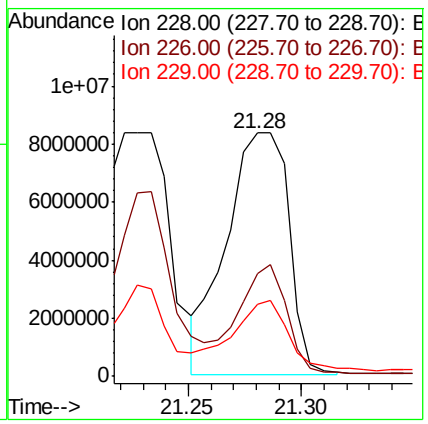




#84
Chrysene
Concen: 2130.562 ng/ul m
RT: 21.28 min Scan# 3110
Delta R.T. 0.03 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

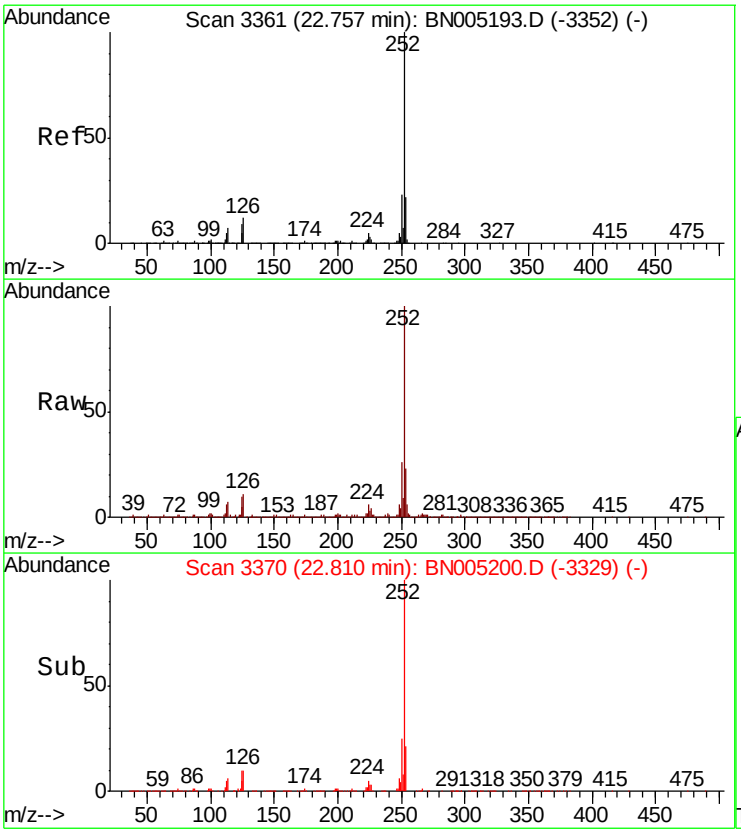
Tgt Ion:228 Resp:16040164

Ion	Ratio	Lower	Upper
228	100		
226	42.3	24.0	36.0#
229	29.7	15.4	23.0#



Instrument :
BNA_N
ClientSampleId :
GAHR1

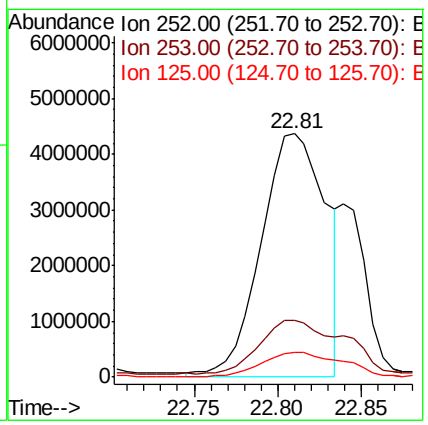
Manual Integrations APPROVED
Sohil
4/23/2019 4:20:01 PM

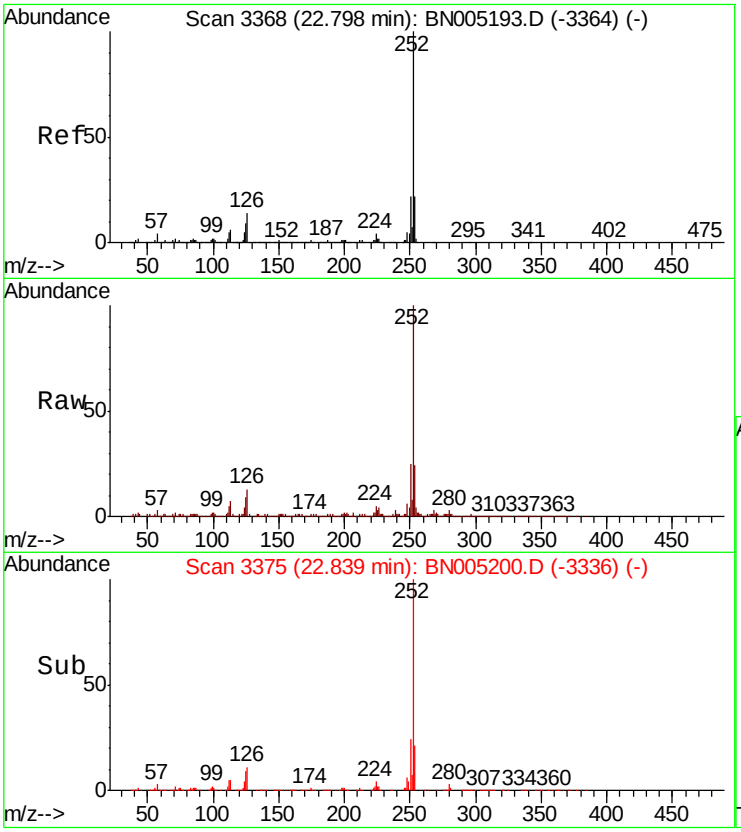


#87
Benzo(b)fluoranthene
Concen: 119.740 ng/ul m
RT: 22.81 min Scan# 3370
Delta R.T. 0.04 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

Tgt Ion:252 Resp:11740141

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	10.2	8.4	12.6

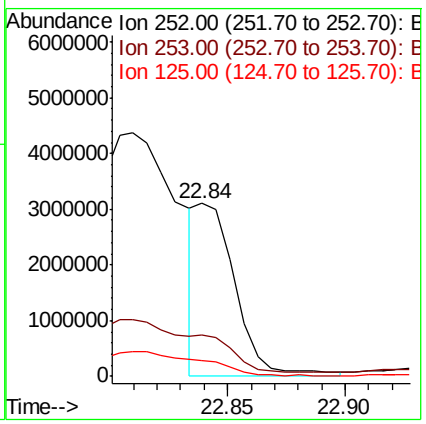




#88
Benzo(k)fluoranthene
Concen: 38.134 ng/ul m
RT: 22.84 min Scan# 3375
Delta R.T. 0.03 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

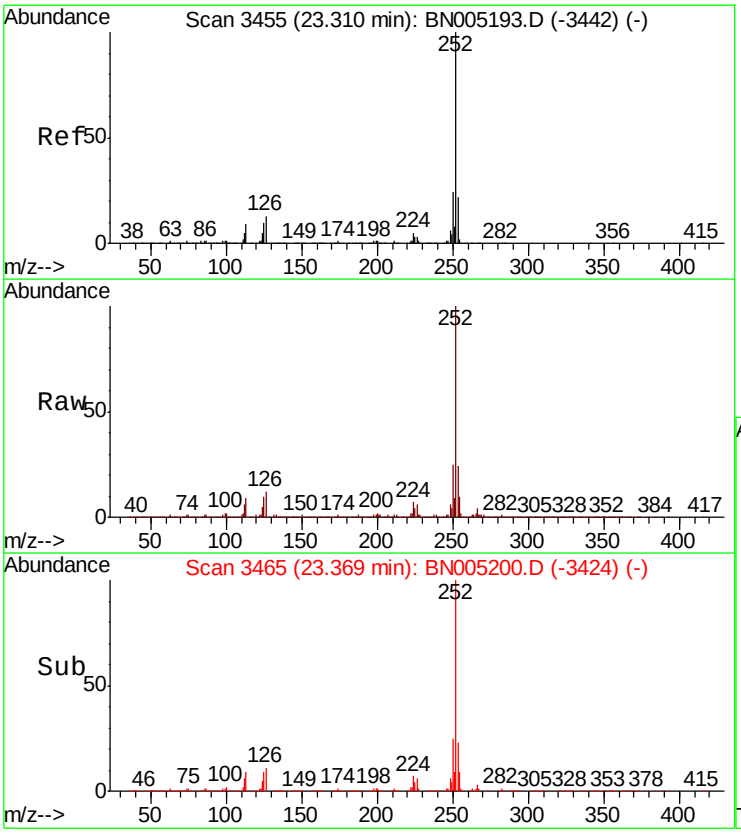
Tgt Ion:252 Resp: 3570923

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	9.2	7.5	11.3



Instrument :
BNA_N
ClientSampleId :
GAHR1

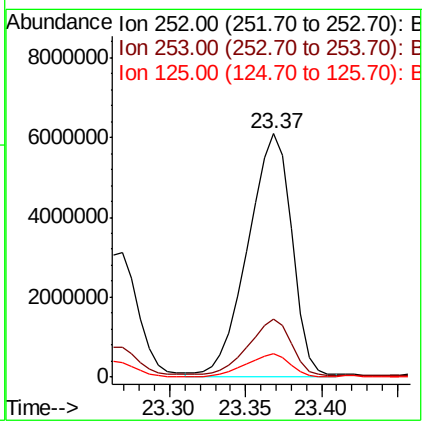
Manual Integrations APPROVED
Sohil
4/23/2019 4:20:01 PM

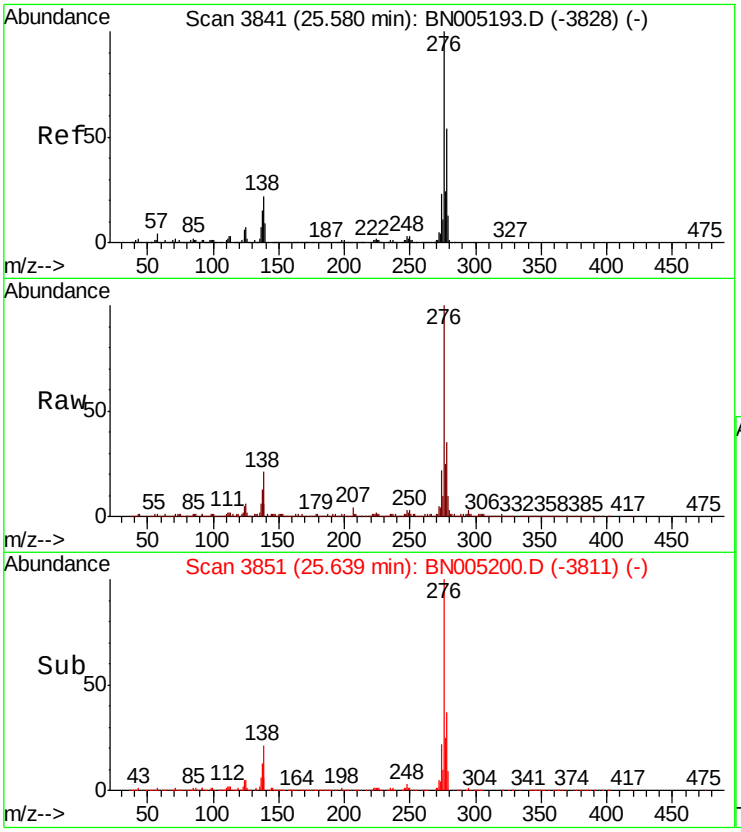


#90
Benzo(a)pyrene
Concen: 133.763 ng/ul m
RT: 23.37 min Scan# 3465
Delta R.T. 0.04 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

Tgt Ion:252 Resp:12327598

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.3	25.9
125	9.6	8.6	13.0

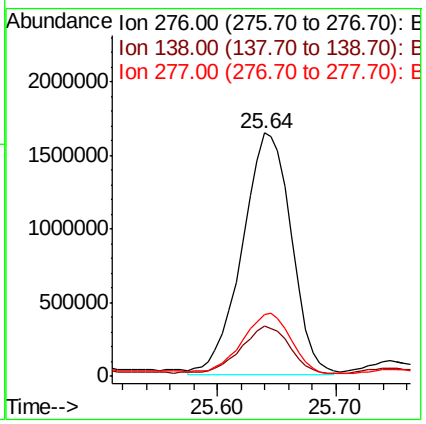




#91
Indeno(1,2,3-cd)pyrene
Concen: 46.527 ng/ul m
RT: 25.64 min Scan# 3851
Delta R.T. 0.04 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

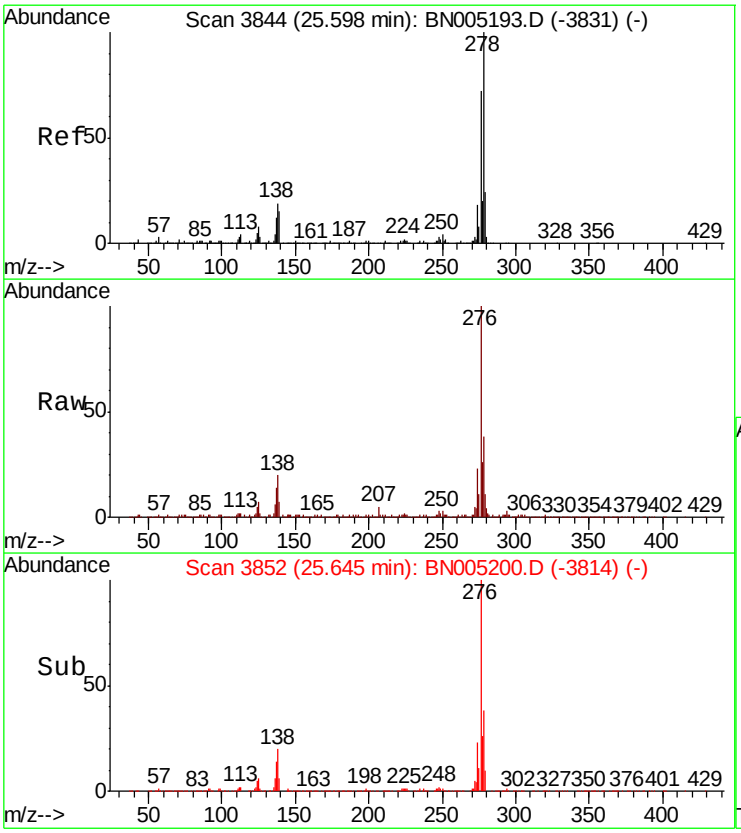
Tgt Ion:276 Resp: 4740818

Ion	Ratio	Lower	Upper
276	100		
138	20.6	17.9	26.9
277	25.3	19.7	29.5



Instrument :
BNA_N
ClientSampleId :
GAHR1

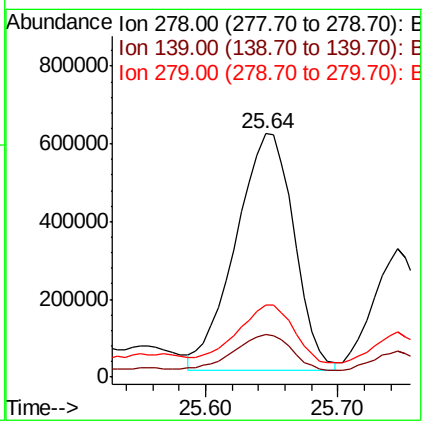
Manual Integrations APPROVED
Sohil
4/23/2019 4:20:01 PM

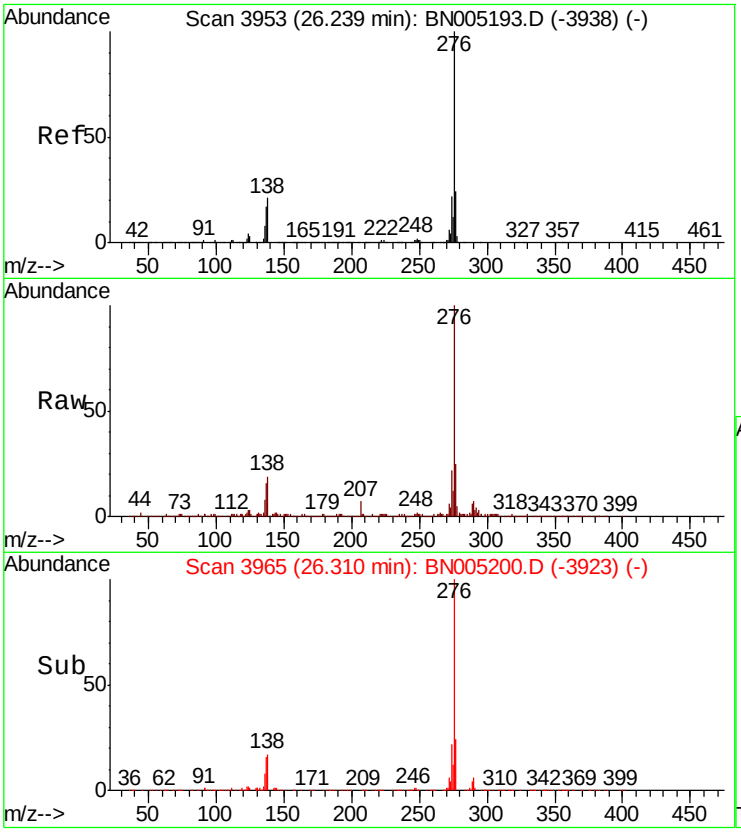


#92
Dibenzo(a,h)anthracene
Concen: 21.470 ng/ul m
RT: 25.64 min Scan# 3852
Delta R.T. 0.02 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

Tgt Ion:278 Resp: 1856540

Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.1	19.7
279	29.4	19.4	29.0#

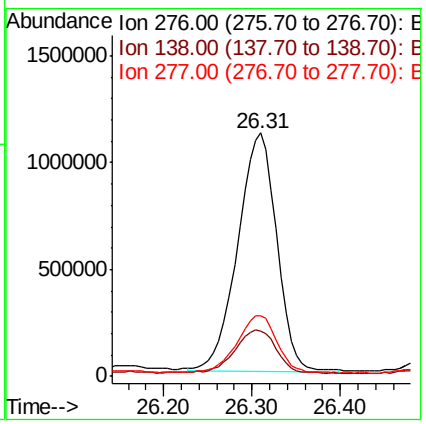




#93
Benzo(g,h,i)perylene
Concen: 40.797 ng/ul m
RT: 26.31 min Scan# 3965
Delta R.T. 0.05 min
Lab File: BN005200.D
Acq: 23 Apr 2019 06:47

Tgt Ion:276 Resp: 3437238

Ion	Ratio	Lower	Upper
276	100		
138	18.8	16.7	25.1
277	25.0	18.2	27.2



Instrument :
BNA_N
ClientSampleId :
GAHR1

Manual Integrations APPROVED
Sohil
4/23/2019 4:20:01 PM