Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009648.D
Acq On : 07 Feb 2020 15:01
Operator : CG/JU
Sample : L1324-10MS 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Feb 10 12:55:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 07 15:21:46 2020
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : GAT66MS

Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	172727	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	731707	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	450036	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	865977	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	772694	20.00	ng/ul	0.00
85) Perylene-d12	23.17	264	858578	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.09	96	439	0.10	ng/uL	0.02
5) Phenol-d5	6.63	99	22598	1.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	18672	1.85	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	18214	1.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	18615	1.55	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	10885	2.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	8776	1.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.83	165	17277	1.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	16529	1.35	ng/ul	0.03
43) Dimethylphthalate-d6	13.50	166	62080	1.89	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	67508	1.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	5883	0.95	ng/ul	0.00
57) Fluorene-d10	15.07	176	51750	1.79	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.21	200	66	0.01	ng/ul	-0.01
70) Anthracene-d10	16.93	188	76214m	1.94	ng/ul	0.00
78) Pyrene-d10	19.24	212	79084	1.95	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.04	264	77099	1.82	ng/ul	0.01
Target Compounds						Qvalue
6) Phenol	6.66	94	27439	1.704	ng/ul#	90
10) 2-Chlorophenol	7.01	128	19931	1.732	ng/ul#	92
14) Acetophenone	8.22	105	32392	1.687	ng/ul#	34
15) N-Nitroso-di-n-propylamine	8.24	70	17231	1.695	ng/ul#	96
28) Naphthalene	10.25	128	15168505	382.272	ng/ul	98
33) 4-Chloro-3-methylphenol	11.50	107	21662	1.609	ng/ul#	1
34) 2-Methylnaphthalene	11.88	142	10108399	364.024	ng/ul	97
40) 1,1'-Biphenyl	12.89	154	1095319	31.260	ng/ul	99
47) Acenaphthylene	13.80	152	6079778	139.956	ng/ul	98
49) Acenaphthene	14.13	153	517121	17.511	ng/ul	99
52) 4-Nitrophenol	14.33	109	9270	1.670	ng/ul#	40
53) Dibenzofuran	14.47	168	498592	12.124	ng/ul	93
54) 2,4-Dinitrotoluene	14.49	165	40151m	4.021	ng/ul	
58) Fluorene	15.13	166	3004679	87.426	ng/ul	98
68) Pentachlorophenol	16.50	266	7462	1.322	ng/ul	90
69) Phenanthrene	16.89	178	11912204	241.207	ng/ul	97
71) Anthracene	16.97	178	3096993	61.804	ng/ul	99
74) Carbazole	17.24	167	77654	1.780	ng/ul#	81
76) Fluoranthene	18.91	202	6420716	113.913	ng/ul	98
79) Pyrene	19.28	202	12202574m	216.332	ng/ul	
82) Benzo(a)anthracene	21.03	228	3758511m	70.450	ng/ul	
84) Chrysene	21.09	228	3186944	60.004	ng/ul	97
87) Benzo(b)fluoranthene	22.56	252	3840243	71.490	ng/ul#	98

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009648.D
Acq On : 07 Feb 2020 15:01
Operator : CG/JU
Sample : L1324-10MS 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Feb 10 12:55:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 07 15:21:46 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT66MS

Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
88) Benzo(k)fluoranthene	22.59	252	996883m	18.844 ng/ul	
90) Benzo(a)pyrene	23.09	252	3703554	74.414 ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.24	276	1767539	29.872 ng/ul	94
92) Dibenzo(a,h)anthracene	25.24	278	553455	11.112 ng/ul#	81
93) Benzo(g,h,i)perylene	25.87	276	1860526	37.517 ng/ul	96

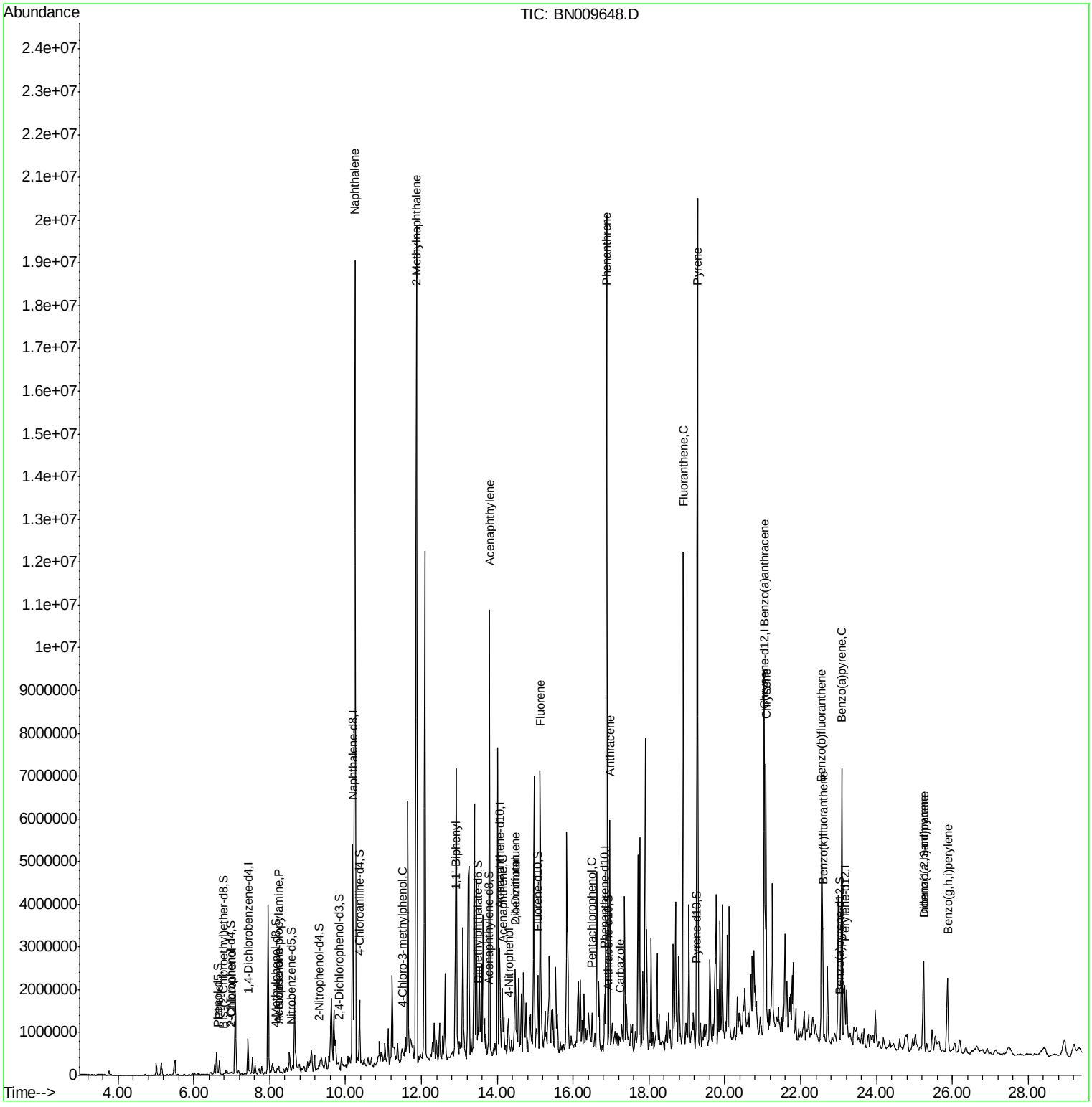
(#) = qualifier out of range (m) = manual integration (+) = signals summed

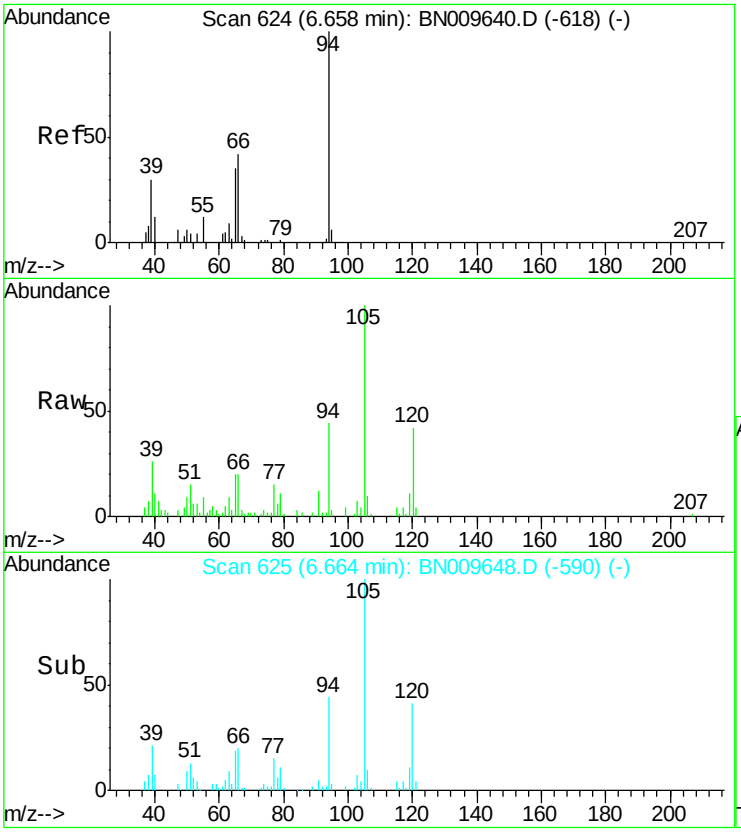
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009648.D
Acq On : 07 Feb 2020 15:01
Operator : CG/JU
Sample : L1324-10MS 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Feb 10 12:55:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 07 15:21:46 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT66MS

Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

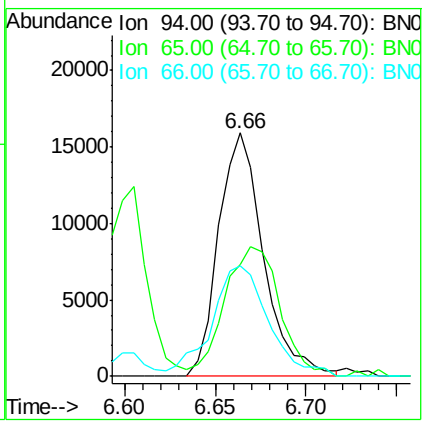




#6
Phenol
Concen: 1.704 ng/ul
RT: 6.66 min Scan# 625
Delta R.T. 0.01 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

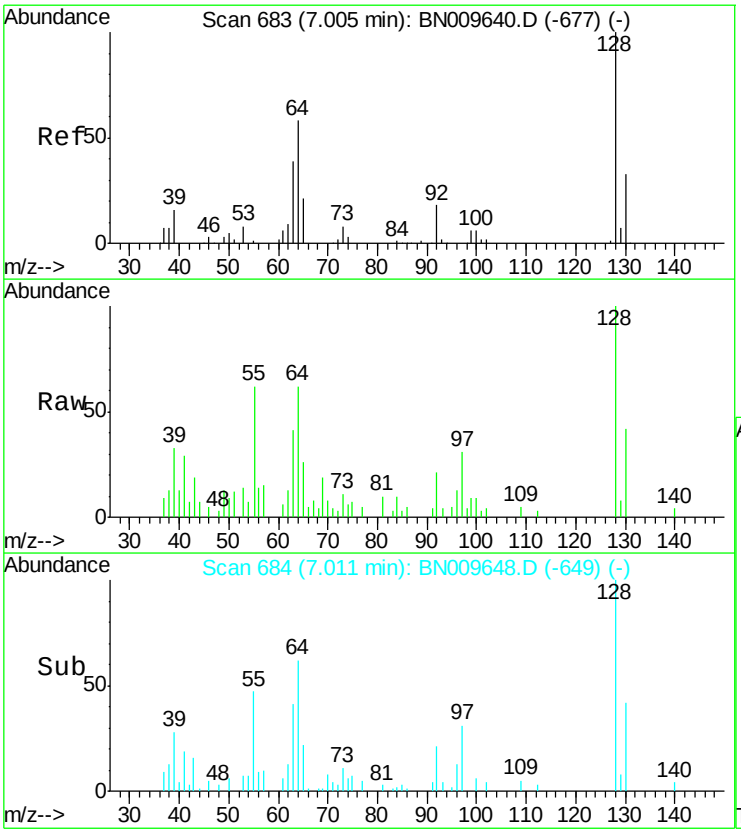
Tgt Ion: 94 Resp: 27439

Ion	Ratio	Lower	Upper
94	100		
65	46.1	29.8	44.6#
66	45.5	39.5	59.3



Instrument :
BNA_N
ClientSampleId :
GAT66MS

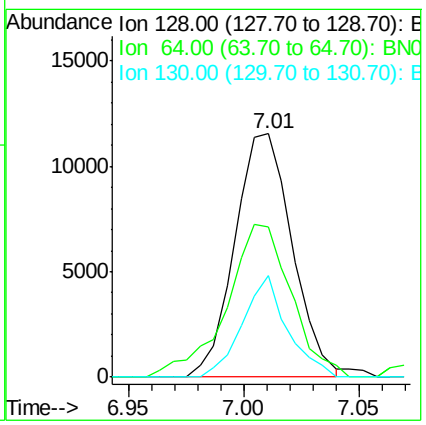
Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

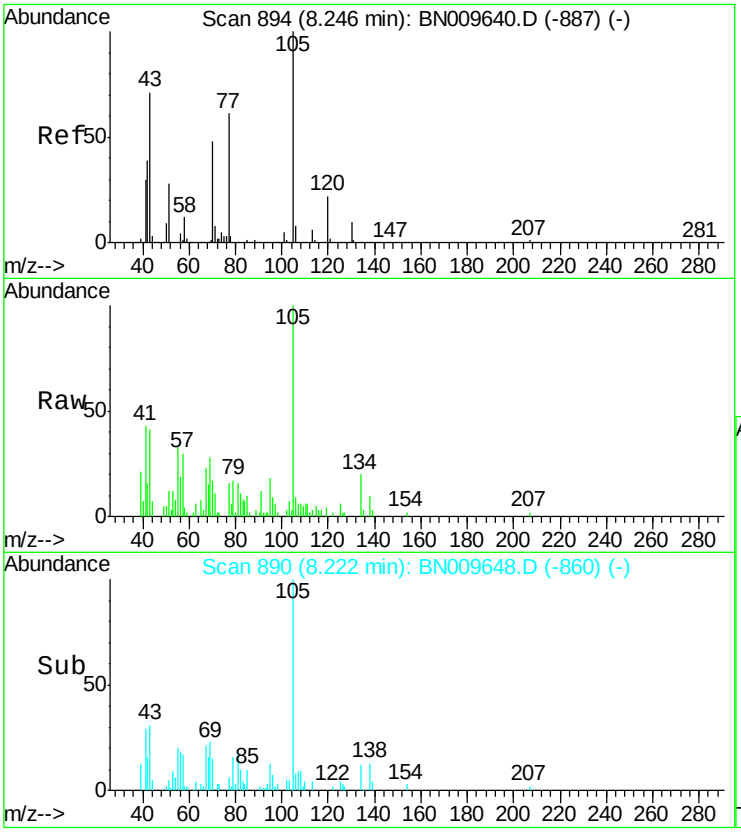


#10
2-Chlorophenol
Concen: 1.732 ng/ul
RT: 7.01 min Scan# 684
Delta R.T. 0.01 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

Tgt Ion:128 Resp: 19931

Ion	Ratio	Lower	Upper
128	100		
64	61.8	51.6	77.4
130	41.7	25.5	38.3#

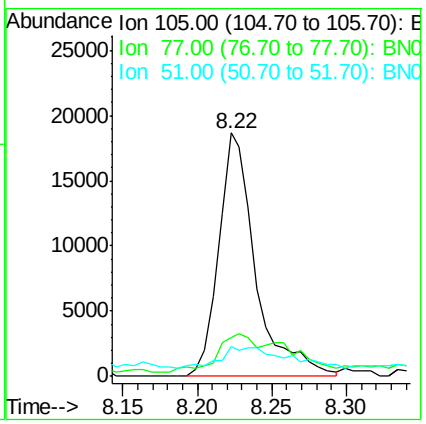




#14
Acetophenone
Concen: 1.687 ng/ul
RT: 8.22 min Scan# 890
Delta R.T. -0.02 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

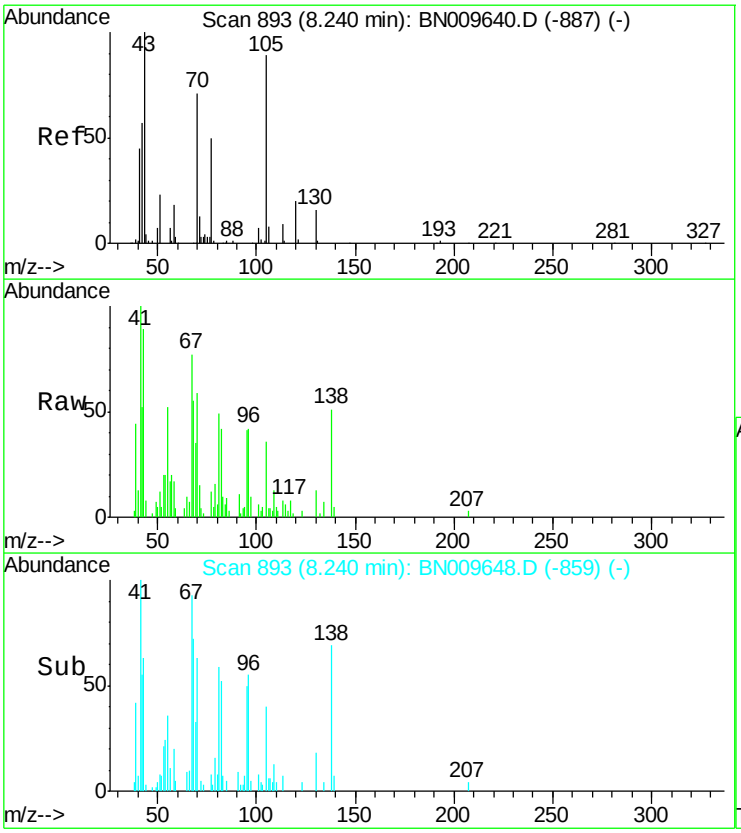
Tgt Ion:105 Resp: 32392

Ion	Ratio	Lower	Upper
105	100		
77	15.9	67.7	101.5#
51	12.2	34.3	51.5#



Instrument :
BNA_N
ClientSampleId :
GAT66MS

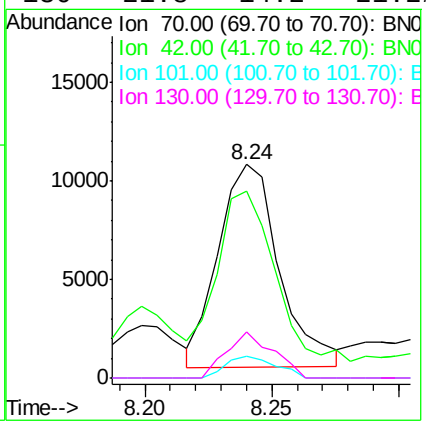
Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

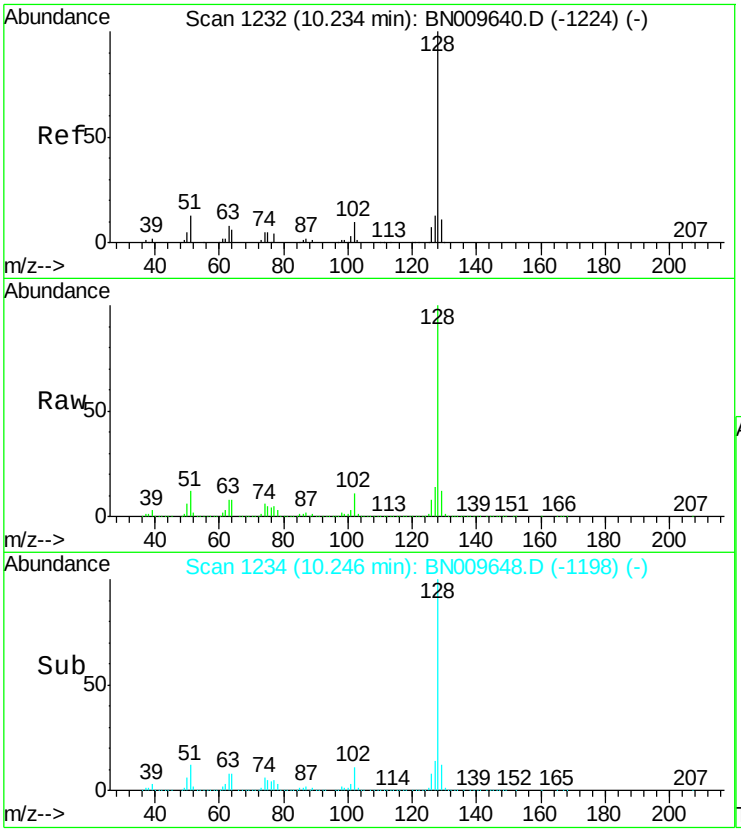


#15
N-Nitroso-di-n-propylamine
Concen: 1.695 ng/ul
RT: 8.24 min Scan# 893
Delta R.T. 0.00 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

Tgt Ion: 70 Resp: 17231

Ion	Ratio	Lower	Upper
70	100		
42	87.6	68.3	102.5
101	10.2	7.4	11.0
130	21.8	14.2	21.2#





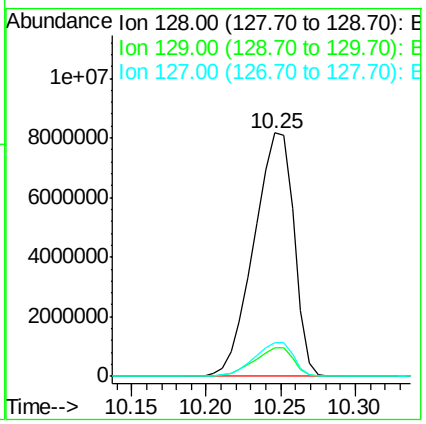
#28
Naphthalene
Concen: 382.272 ng/ul
RT: 10.25 min Scan# 1234
Delta R.T. 0.01 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

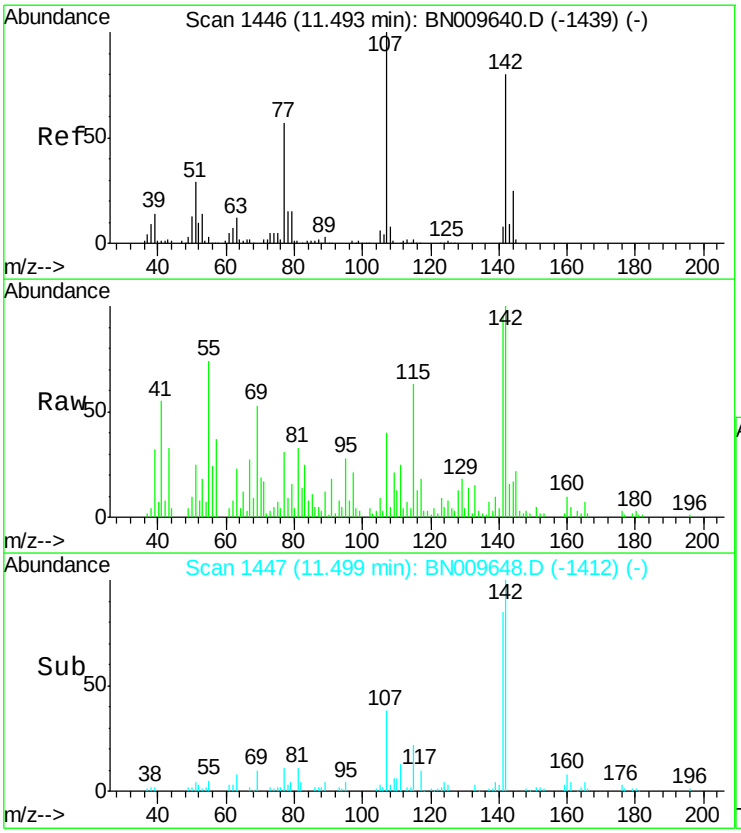
Tgt Ion:128 Resp:15168505

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.7	13.1
127	14.0	10.7	16.1

Instrument :
BNA_N
ClientSampleId :
GAT66MS

Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

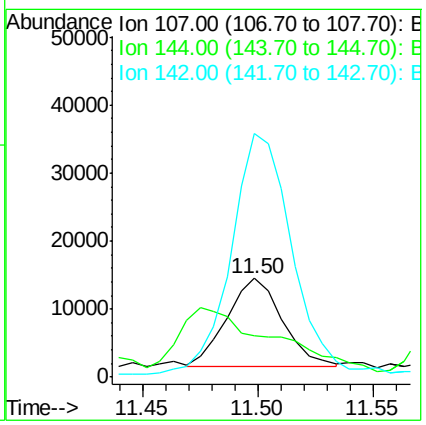


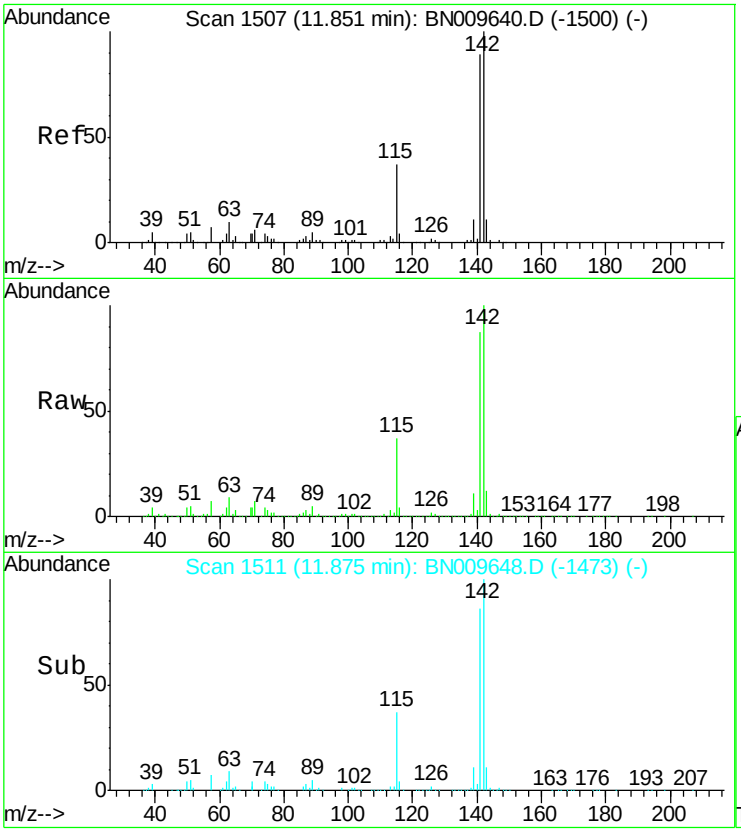


#33
4-Chloro-3-methylphenol
Concen: 1.609 ng/ul
RT: 11.50 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

Tgt Ion:107 Resp: 21662

Ion	Ratio	Lower	Upper
107	100		
144	41.6	19.2	28.8#
142	247.0	61.3	91.9#





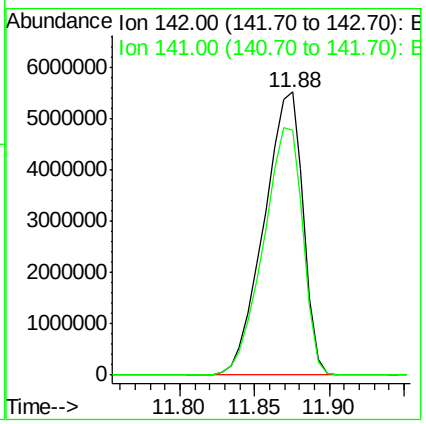
#34
2-Methylnaphthalene
Concen: 364.024 ng/ul
RT: 11.88 min Scan# 1511
Delta R.T. 0.02 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

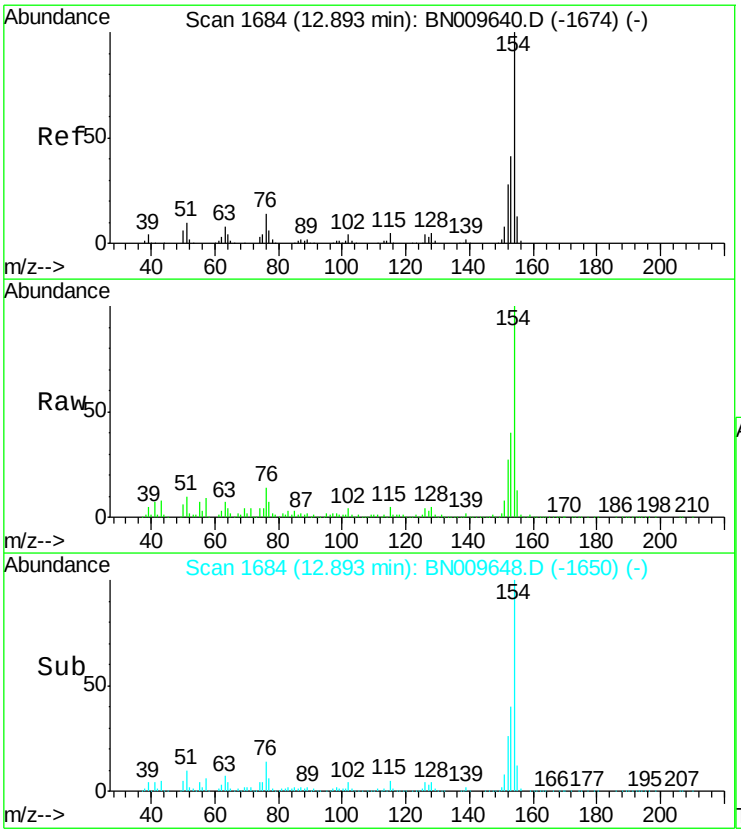
Tgt Ion:142 Resp:10108399

Ion	Ratio	Lower	Upper
142	100		
141	86.7	71.5	107.3

Instrument :
BNA_N
ClientSampleId :
GAT66MS

Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

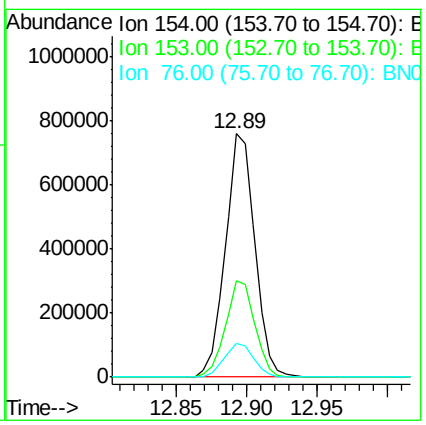


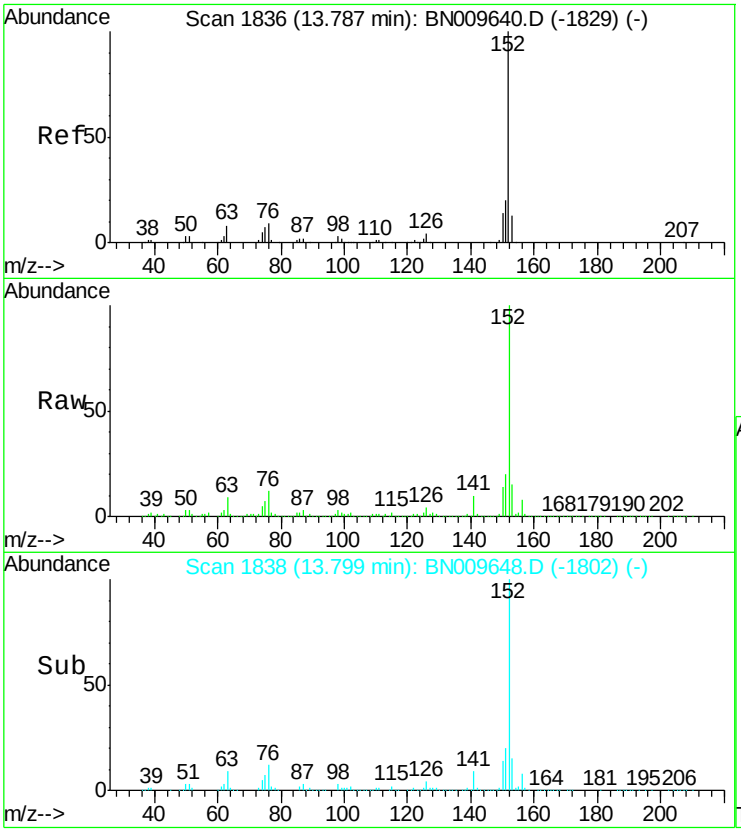


#40
1,1'-Biphenyl
Concen: 31.260 ng/ul
RT: 12.89 min Scan# 1684
Delta R.T. 0.00 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

Tgt Ion:154 Resp: 1095319

Ion	Ratio	Lower	Upper
154	100		
153	39.7	31.2	46.8
76	14.0	11.4	17.2

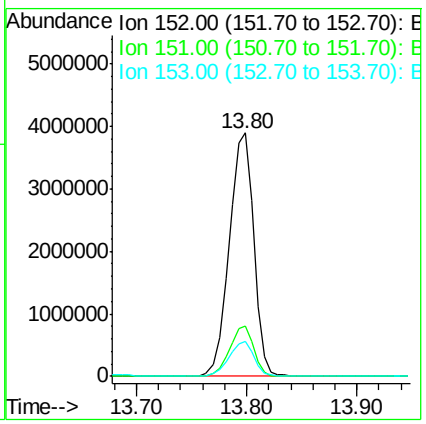




#47
Acenaphthylene
Concen: 139.956 ng/ul
RT: 13.80 min Scan# 1838
Delta R.T. 0.01 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

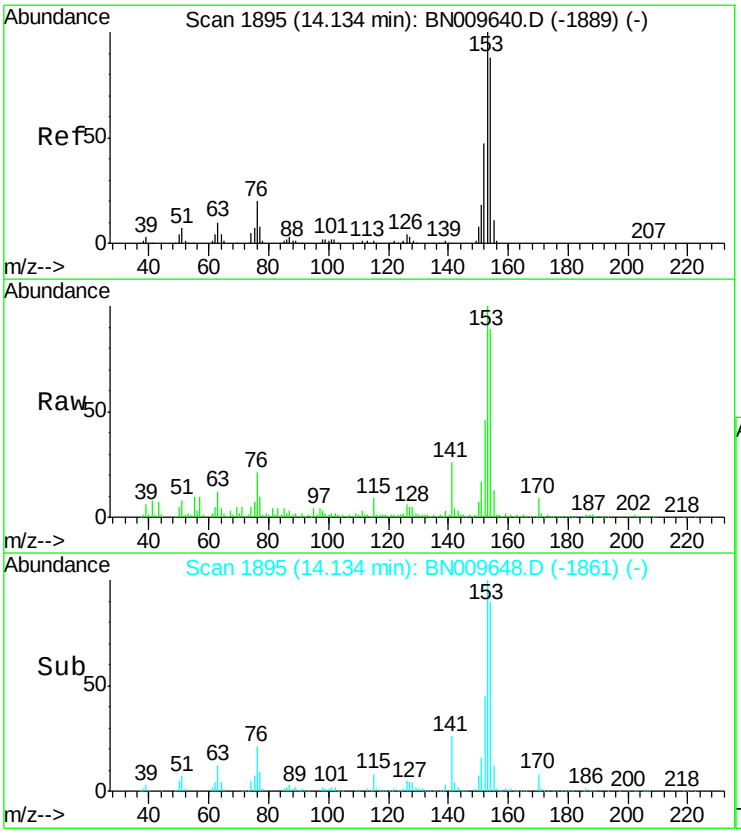
Tgt Ion:152 Resp: 6079778

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	14.6	10.6	15.8



Instrument :
BNA_N
ClientSampleId :
GAT66MS

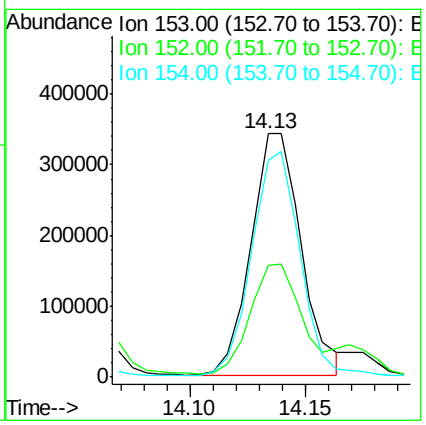
Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

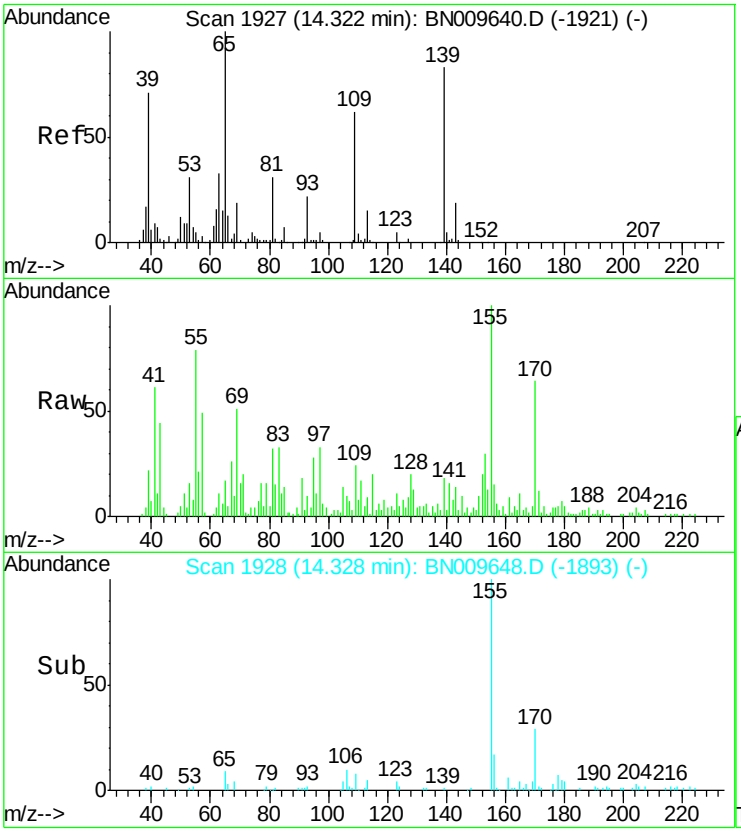


#49
Acenaphthene
Concen: 17.511 ng/ul
RT: 14.13 min Scan# 1895
Delta R.T. 0.00 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

Tgt Ion:153 Resp: 517121

Ion	Ratio	Lower	Upper
153	100		
152	46.0	37.3	55.9
154	88.8	70.2	105.2





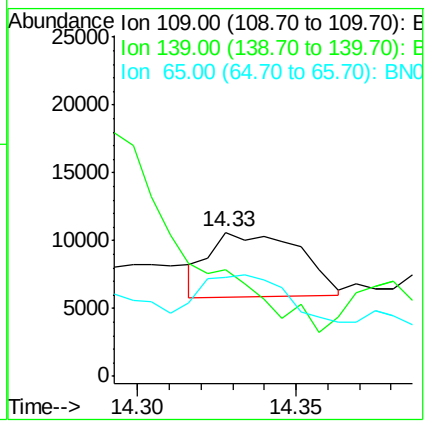
#52
4-Nitrophenol
Concen: 1.670 ng/ul
RT: 14.33 min Scan# 1928
Delta R.T. 0.01 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

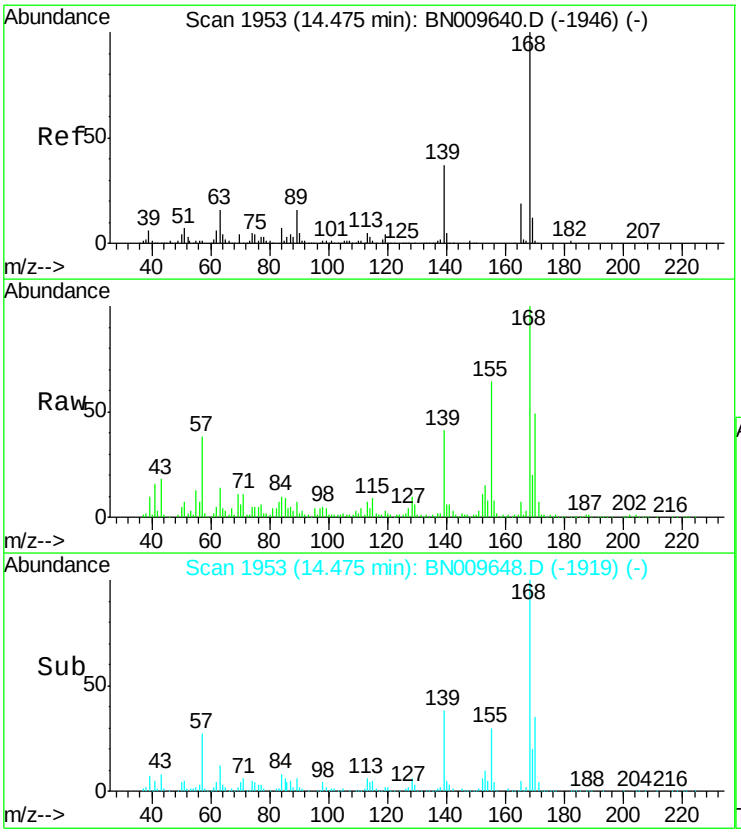
Tgt Ion:109 Resp: 9270

Ion	Ratio	Lower	Upper
109	100		
139	73.7	97.4	146.2#
65	69.0	134.6	201.8#

Instrument :
BNA_N
ClientSampleId :
GAT66MS

Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

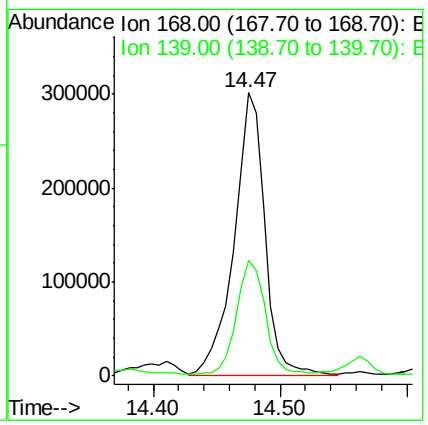


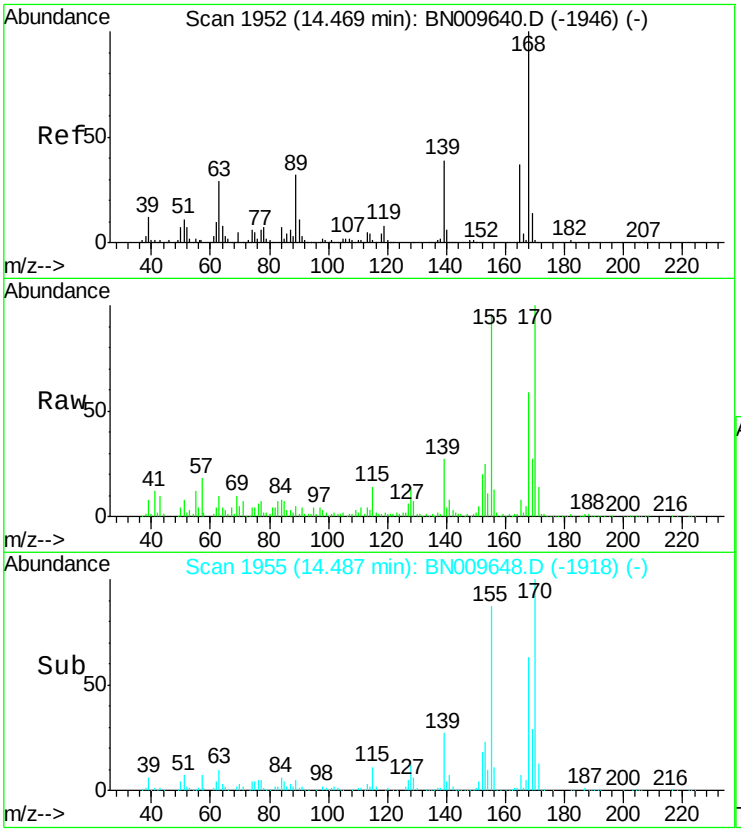


#53
Dibenzofuran
Concen: 12.124 ng/ul
RT: 14.47 min Scan# 1953
Delta R.T. 0.00 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

Tgt Ion:168 Resp: 498592

Ion	Ratio	Lower	Upper
168	100		
139	41.1	29.5	44.3





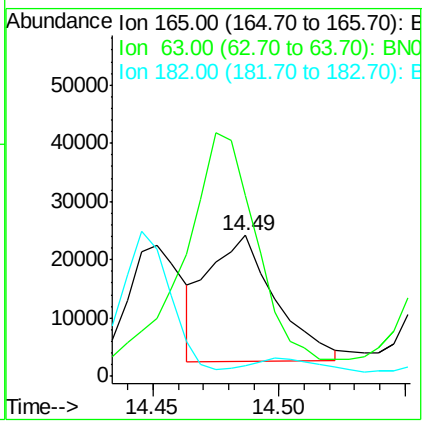
#54
2,4-Dinitrotoluene
Concen: 4.021 ng/ul m
RT: 14.49 min Scan# 1955
Delta R.T. 0.02 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

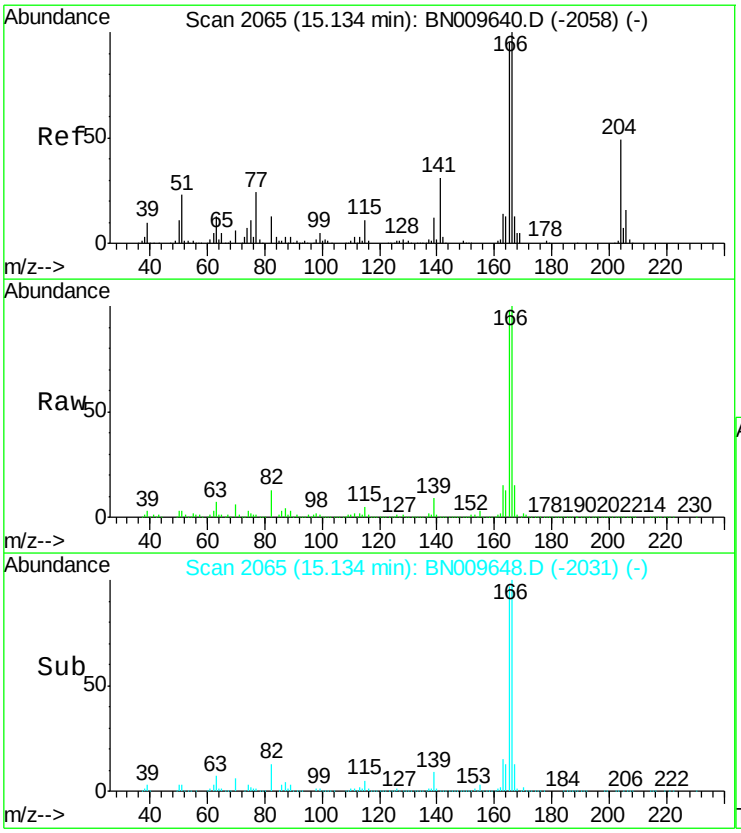
Tgt Ion:165 Resp: 40151

Ion	Ratio	Lower	Upper
165	100		
63	128.5	55.0	82.4#
182	7.3	2.4	3.6#

Instrument :
BNA_N
ClientSampleId :
GAT66MS

Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

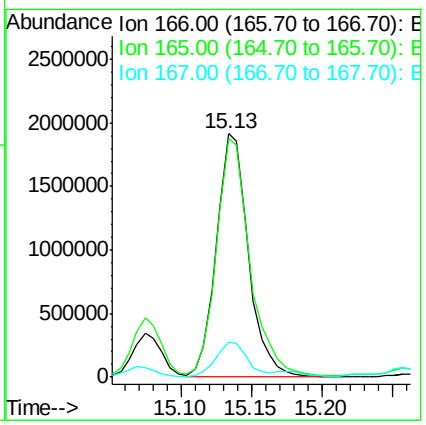


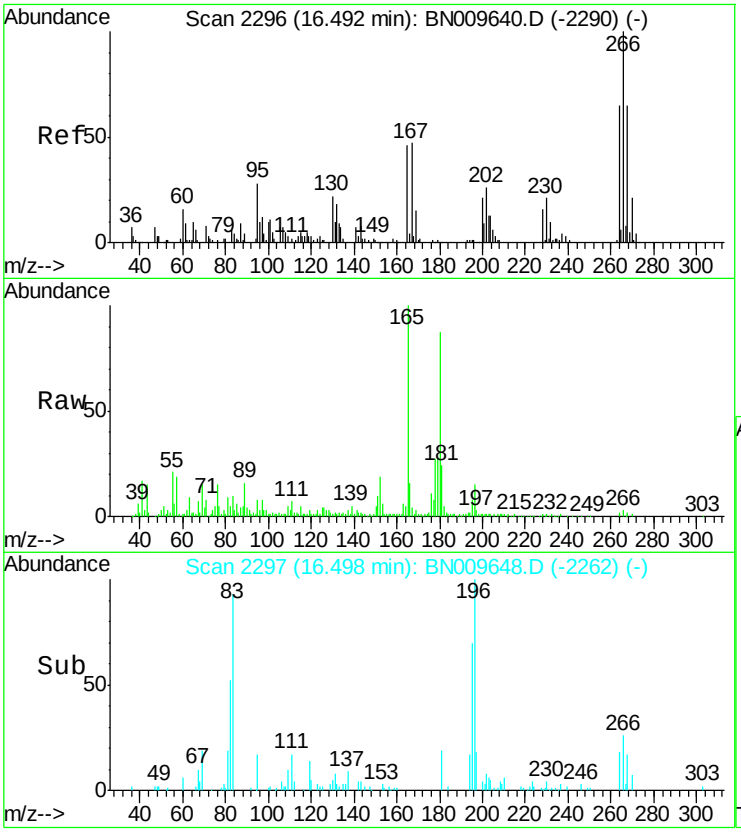


#58
Fluorene
Concen: 87.426 ng/ul
RT: 15.13 min Scan# 2065
Delta R.T. 0.00 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

Tgt Ion:166 Resp: 3004679

Ion	Ratio	Lower	Upper
166	100		
165	97.8	76.7	115.1
167	14.6	11.1	16.7

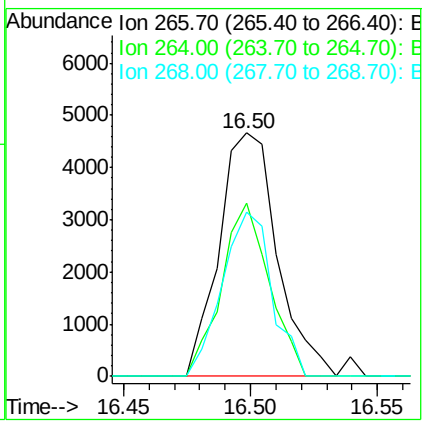




#68
Pentachlorophenol
Concen: 1.322 ng/ul
RT: 16.50 min Scan# 2297
Delta R.T. 0.01 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

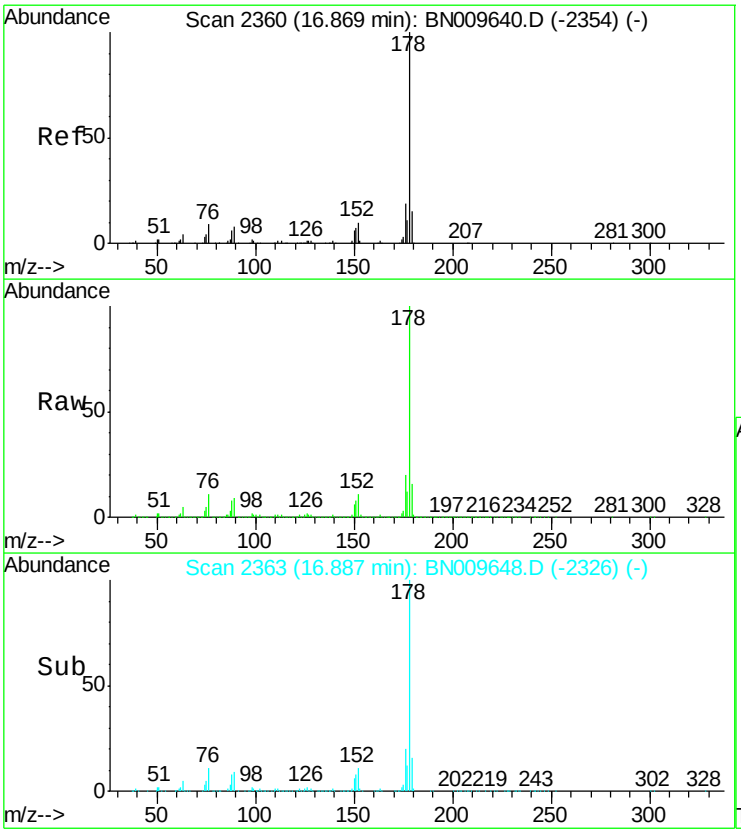
Tgt Ion:266 Resp: 7462

Ion	Ratio	Lower	Upper
266	100		
264	71.1	48.1	72.1
268	67.5	50.4	75.6



Instrument :
BNA_N
ClientSampleId :
GAT66MS

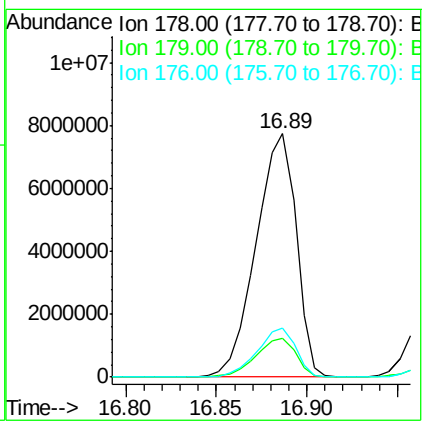
Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

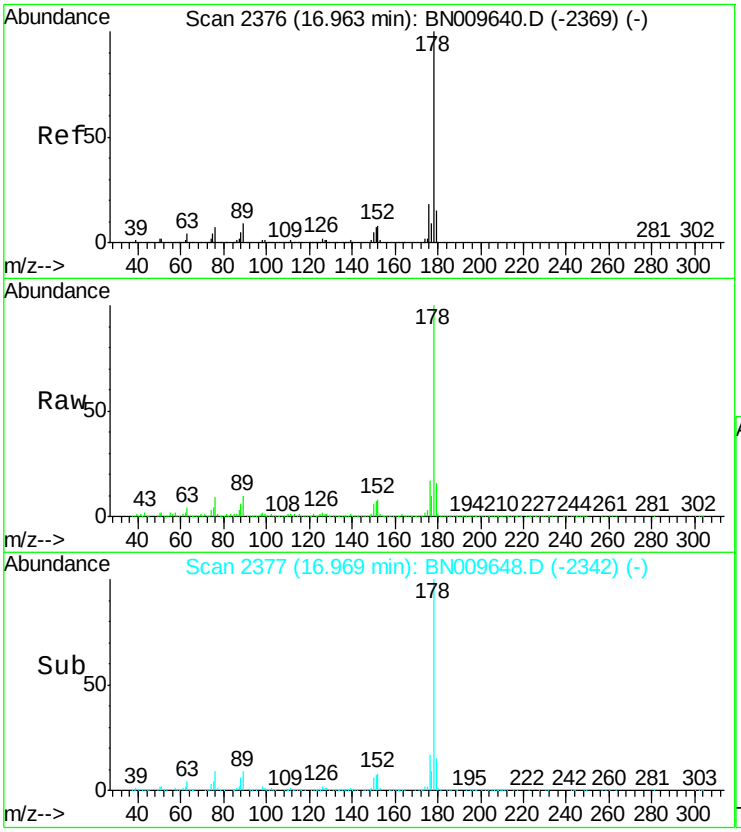


#69
Phenanthrene
Concen: 241.207 ng/ul
RT: 16.89 min Scan# 2363
Delta R.T. 0.02 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

Tgt Ion:178 Resp:11912204

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.2	18.2
176	19.9	14.8	22.2

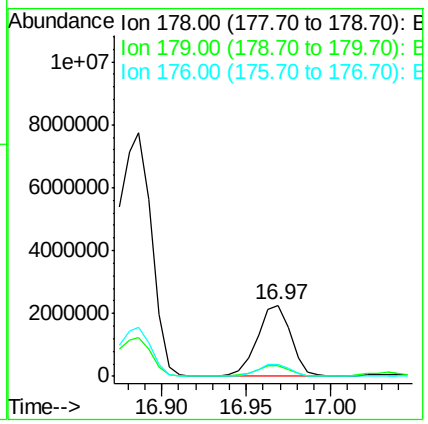




#71
Anthracene
Concen: 61.804 ng/ul
RT: 16.97 min Scan# 2377
Delta R.T. 0.01 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

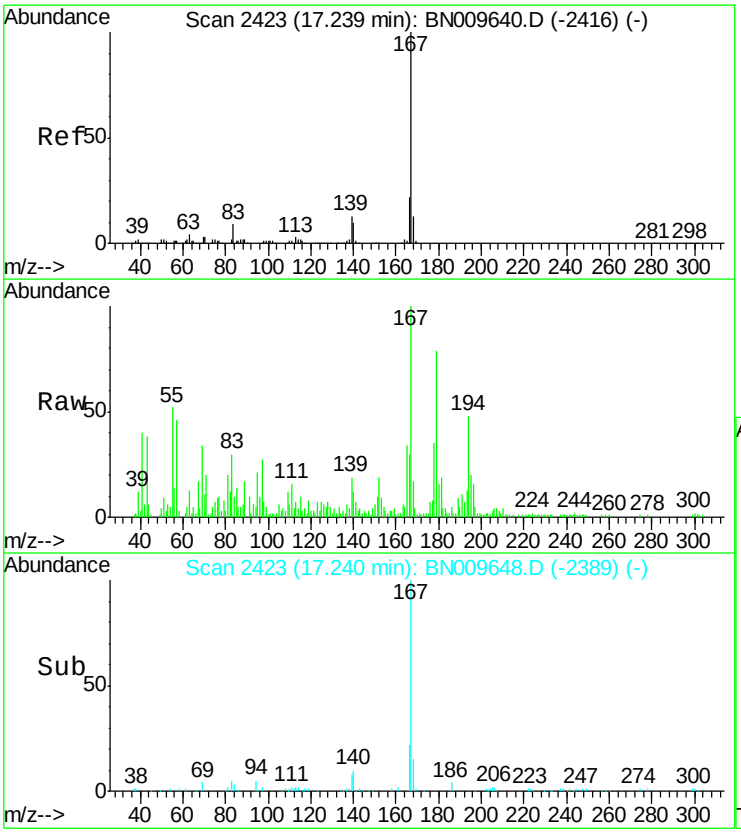
Tgt Ion:178 Resp: 3096993

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.1	18.1
176	17.4	14.6	21.8



Instrument :
BNA_N
ClientSampleId :
GAT66MS

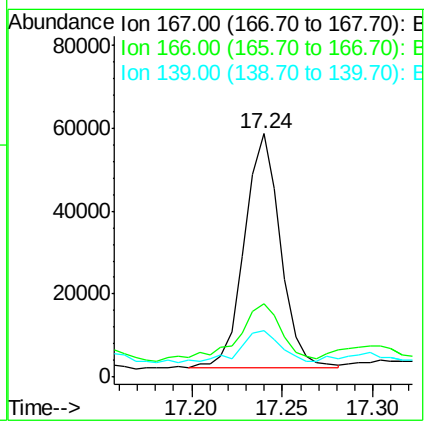
Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

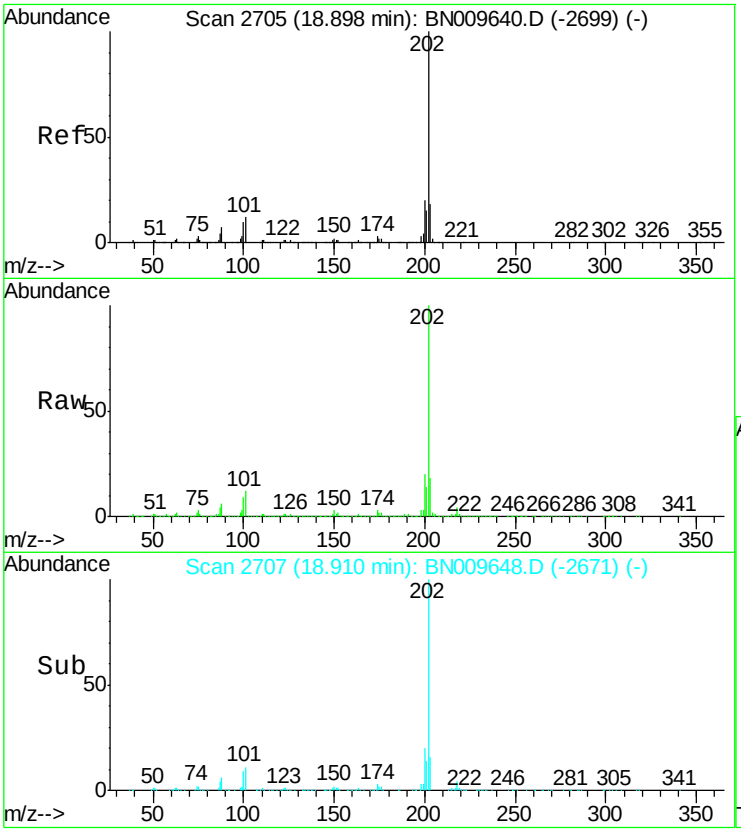


#74
Carbazole
Concen: 1.780 ng/ul
RT: 17.24 min Scan# 2423
Delta R.T. 0.00 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

Tgt Ion:167 Resp: 77654

Ion	Ratio	Lower	Upper
167	100		
166	30.2	16.2	24.4#
139	18.8	10.4	15.6#

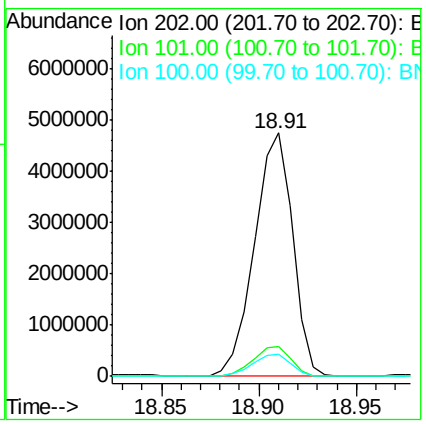




#76
Fluoranthene
Concen: 113.913 ng/ul
RT: 18.91 min Scan# 2707
Delta R.T. 0.01 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

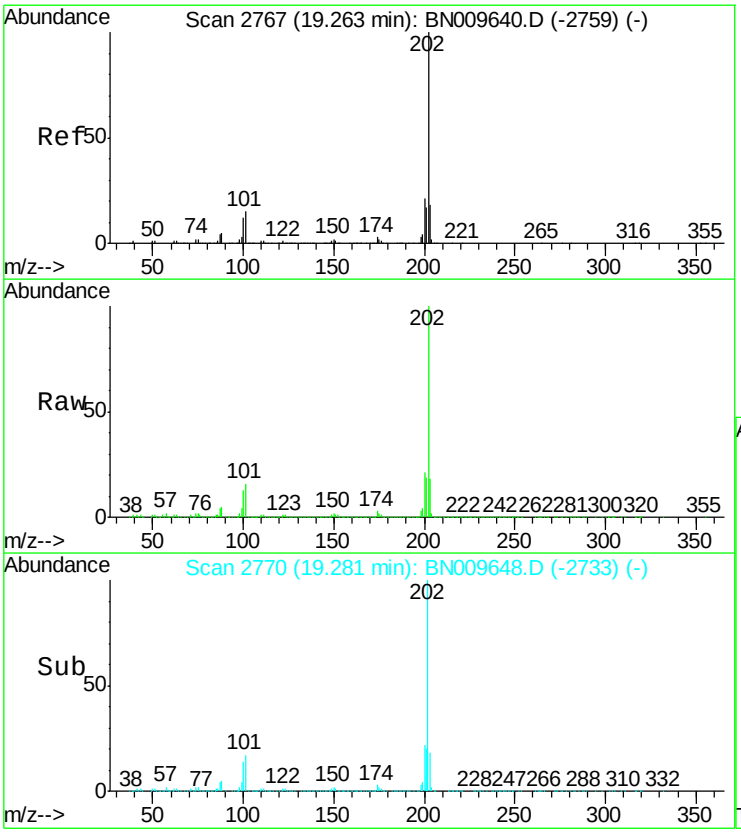
Tgt Ion:202 Resp: 6420716

Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.2	13.8
100	9.2	6.9	10.3



Instrument :
BNA_N
ClientSampleId :
GAT66MS

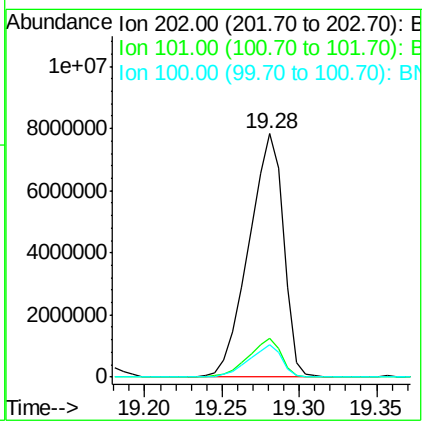
Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

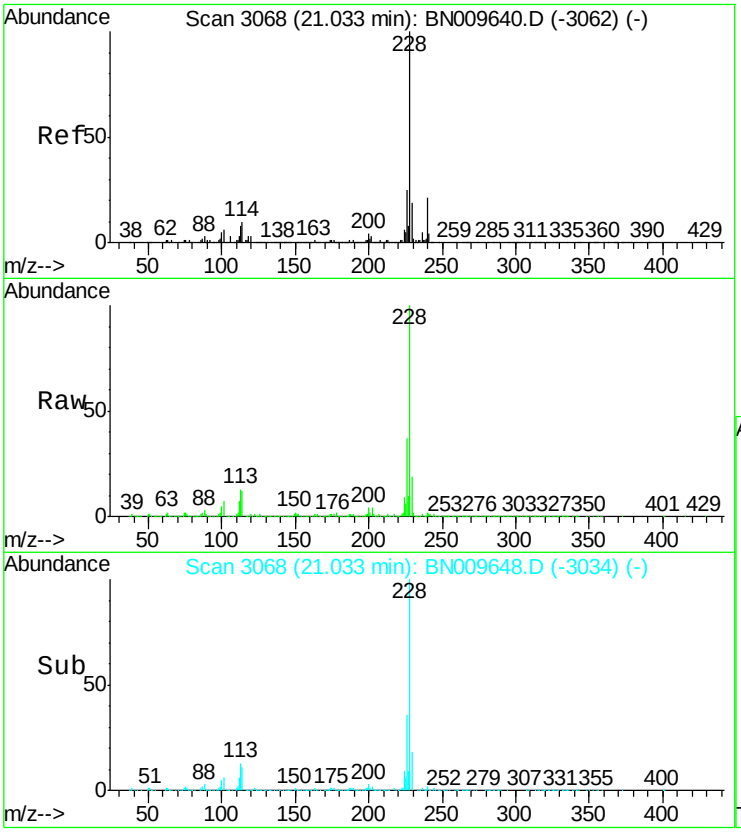


#79
Pyrene
Concen: 216.332 ng/ul m
RT: 19.28 min Scan# 2770
Delta R.T. 0.02 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

Tgt Ion:202 Resp:12202574

Ion	Ratio	Lower	Upper
202	100		
101	16.1	10.3	15.5#
100	13.5	8.4	12.6#

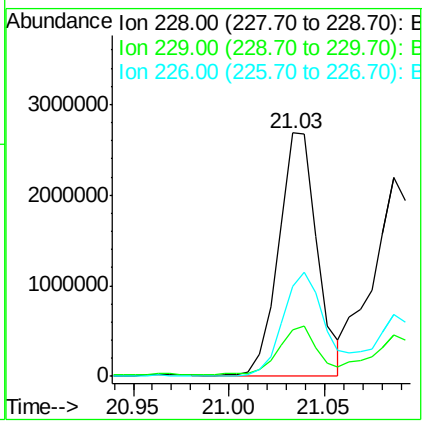




#82
Benzo(a)anthracene
Concen: 70.450 ng/ul m
RT: 21.03 min Scan# 3068
Delta R.T. 0.00 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

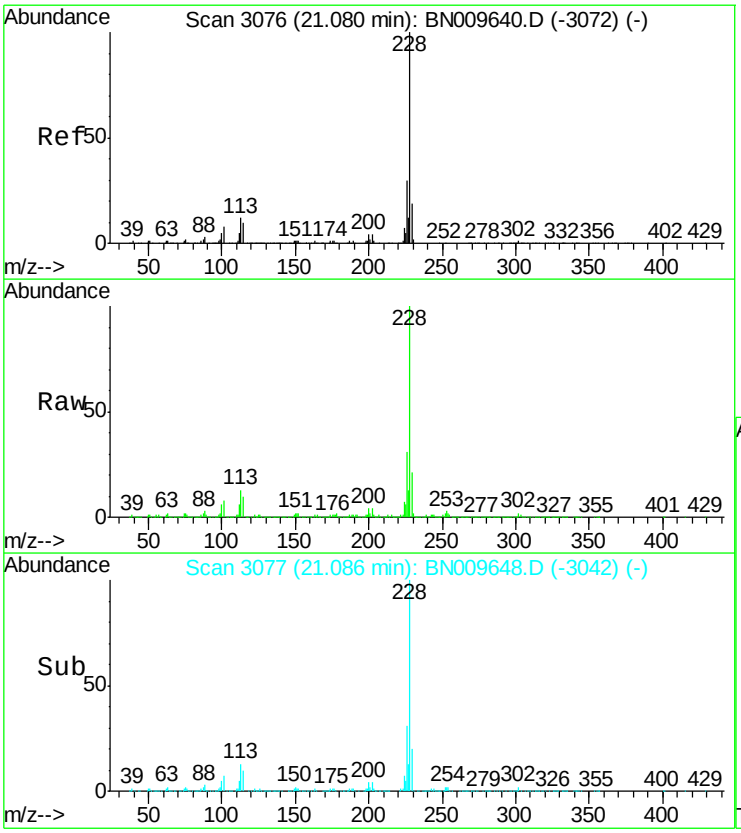
Tgt Ion:228 Resp: 3758511

Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.0	22.4
226	36.9	20.9	31.3#



Instrument :
BNA_N
ClientSampleId :
GAT66MS

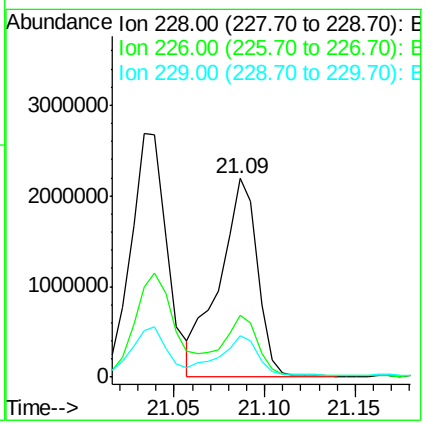
Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

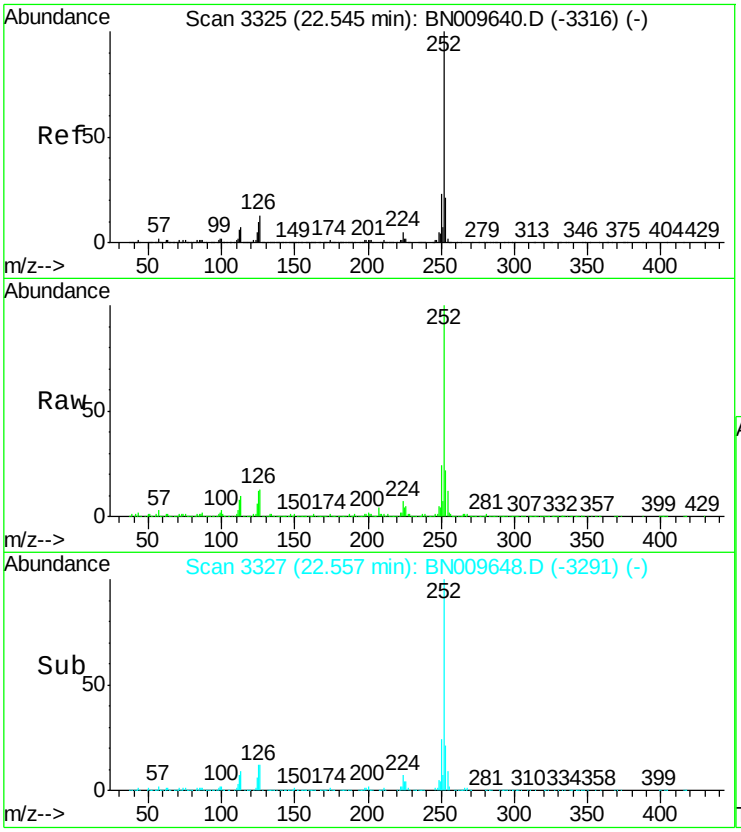


#84
Chrysene
Concen: 60.004 ng/ul
RT: 21.09 min Scan# 3077
Delta R.T. 0.01 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

Tgt Ion:228 Resp: 3186944

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.5	35.3
229	20.9	15.8	23.8

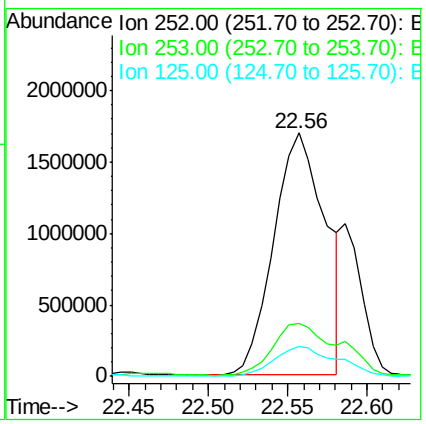




#87
Benzo(b)fluoranthene
Concen: 71.490 ng/ul
RT: 22.56 min Scan# 3327
Delta R.T. 0.01 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

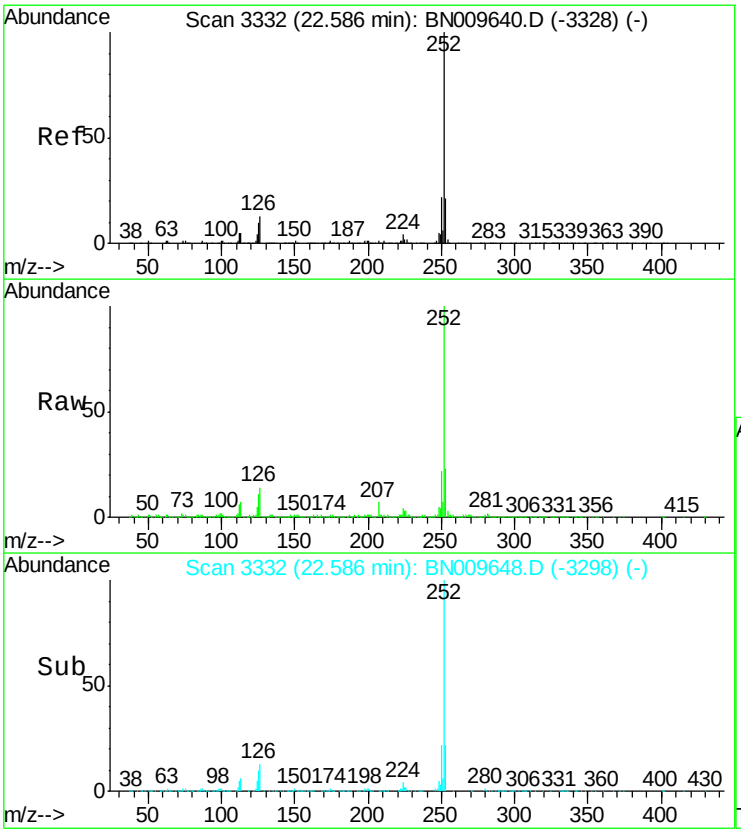
Tgt Ion:252 Resp: 3840243

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	12.4	8.2	12.2#



Instrument :
BNA_N
ClientSampleId :
GAT66MS

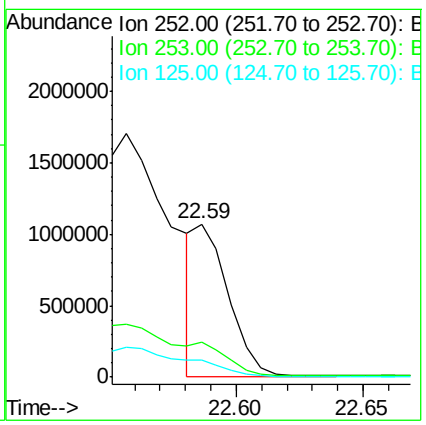
Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

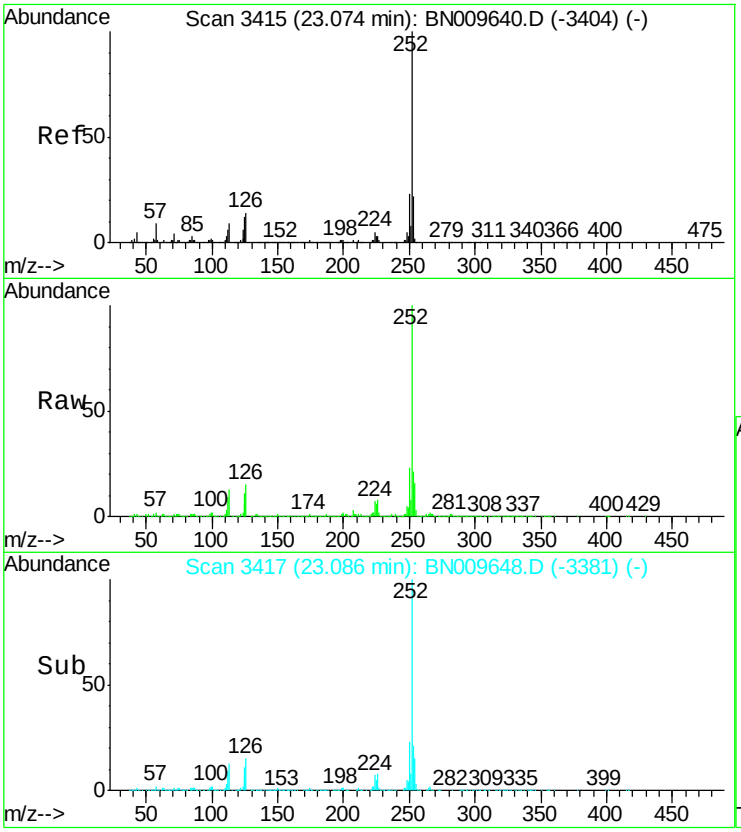


#88
Benzo(k)fluoranthene
Concen: 18.844 ng/ul m
RT: 22.59 min Scan# 3332
Delta R.T. 0.00 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

Tgt Ion:252 Resp: 996883

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.4
125	11.0	8.0	12.0

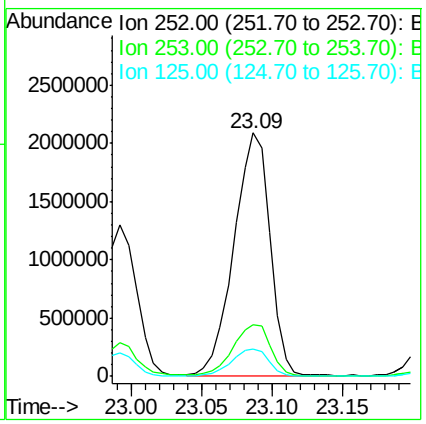




#90
Benzo(a)pyrene
Concen: 74.414 ng/ul
RT: 23.09 min Scan# 3417
Delta R.T. 0.01 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

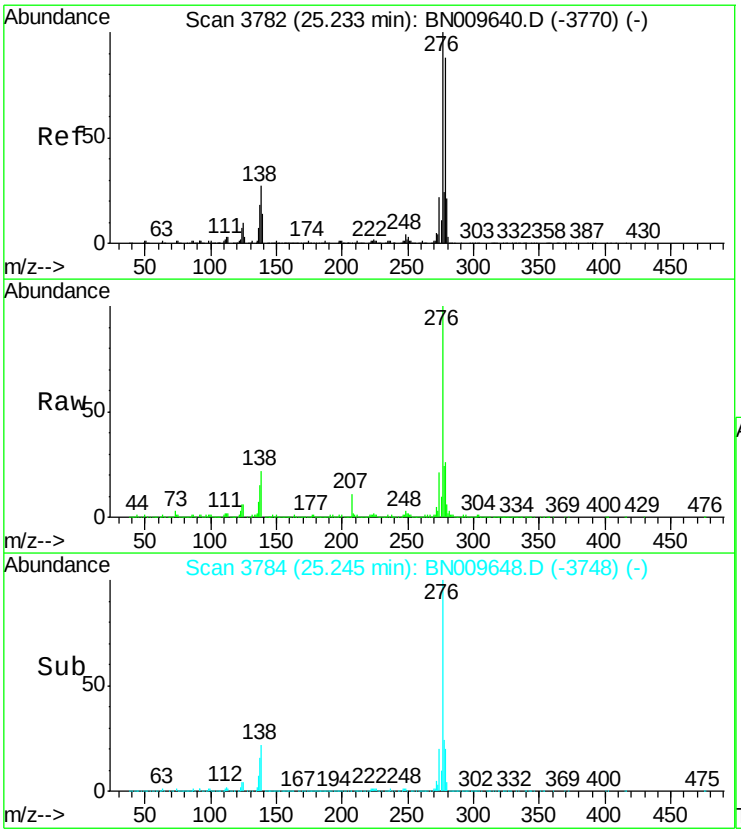
Tgt Ion:252 Resp: 3703554

Ion	Ratio	Lower	Upper
252	100		
253	21.4	15.8	23.8
125	11.5	8.7	13.1



Instrument :
BNA_N
ClientSampleId :
GAT66MS

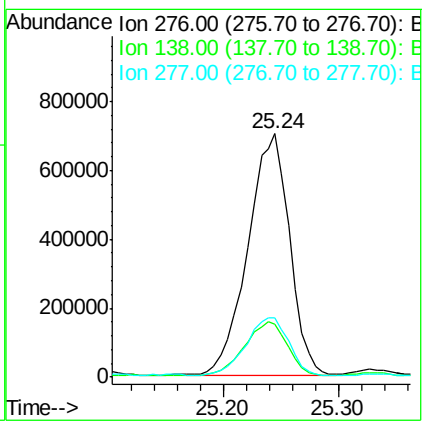
Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM

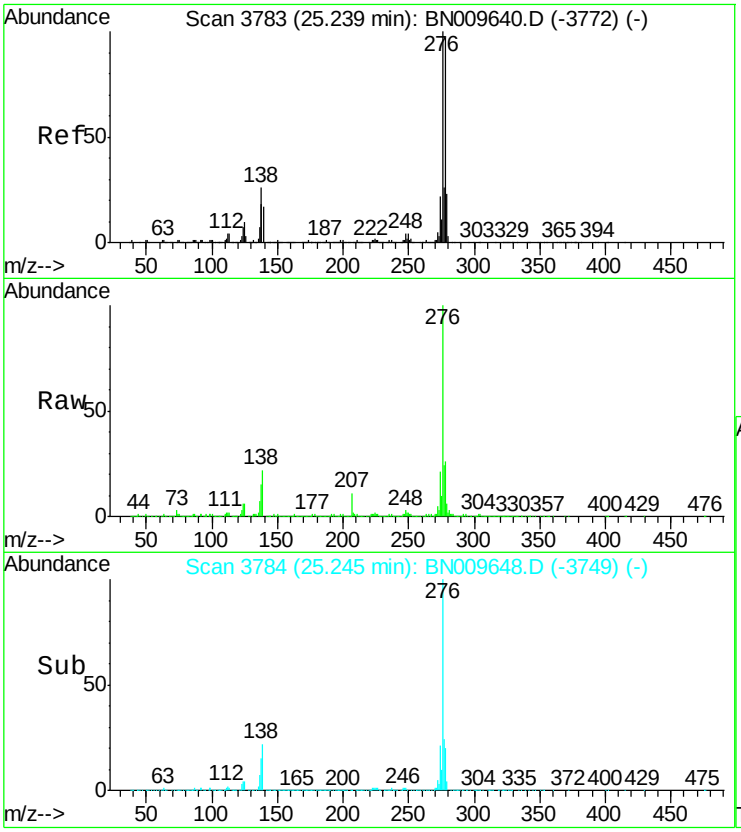


#91
Indeno(1,2,3-cd)pyrene
Concen: 29.872 ng/ul
RT: 25.24 min Scan# 3784
Delta R.T. 0.01 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

Tgt Ion:276 Resp: 1767539

Ion	Ratio	Lower	Upper
276	100		
138	21.8	20.3	30.5
277	24.2	21.2	31.8





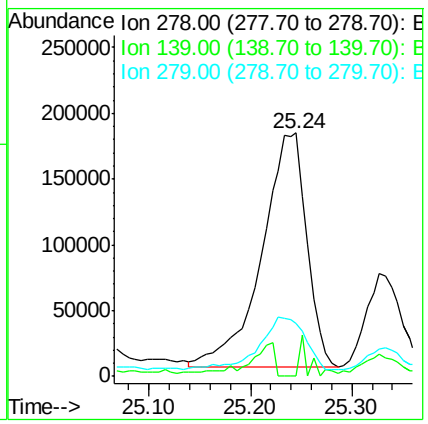
#92
Dibenzo(a,h)anthracene
Concen: 11.112 ng/ul
RT: 25.24 min Scan# 3784
Delta R.T. 0.01 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

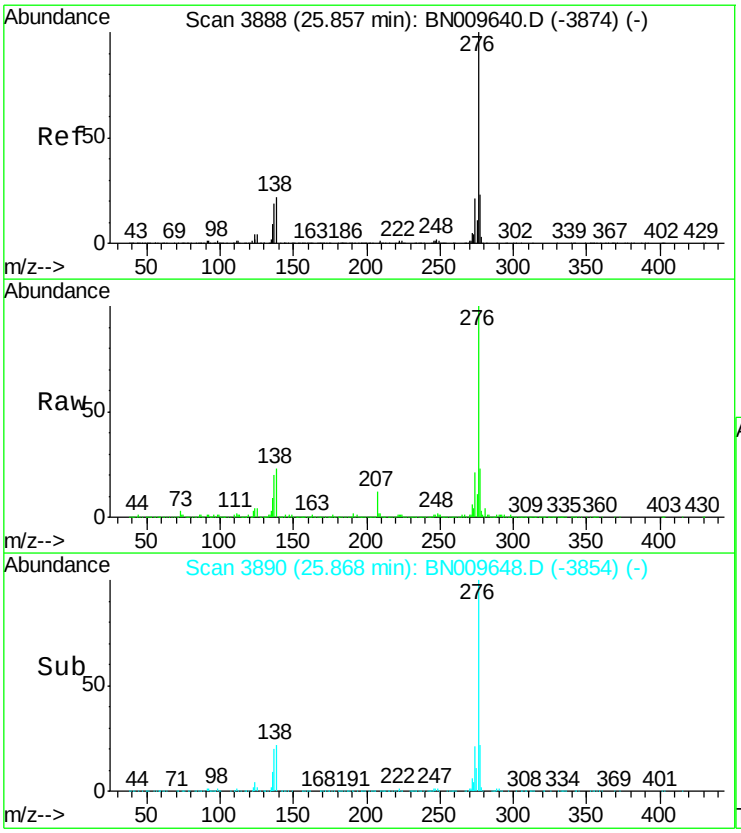
Tgt Ion:278 Resp: 553455

Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	21.6	19.8	29.8

Instrument :
BNA_N
ClientSampleId :
GAT66MS

Manual Integrations APPROVED
mohammad
2/11/2020 8:23:22 AM





#93
Benzo(g,h,i)perylene
Concen: 37.517 ng/ul
RT: 25.87 min Scan# 3890
Delta R.T. 0.01 min
Lab File: BN009648.D
Acq: 07 Feb 2020 15:01

Tgt Ion:276 Resp: 1860526

Ion	Ratio	Lower	Upper
276	100		
138	22.6	16.0	24.0
277	22.8	17.0	25.6