

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\
 Data File : BN007685.D
 Acq On : 17 Sep 2019 03:38
 Operator : HP/JU
 Sample : K4634-09MEDL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F2D27MEDL

Manual Integrations
 APPROVED

mohammad
 9/17/2019 4:10:29 PM

Quant Time: Sep 17 14:21:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 16 18:09:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	614345	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	2631367	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	1721687	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	3654244	20.00	ng/ul	0.00
77) Chrysene-d12	21.27	240	3428422	20.00	ng/ul	0.00
85) Perylene-d12	23.49	264	3896064	20.00	ng/ul	0.00

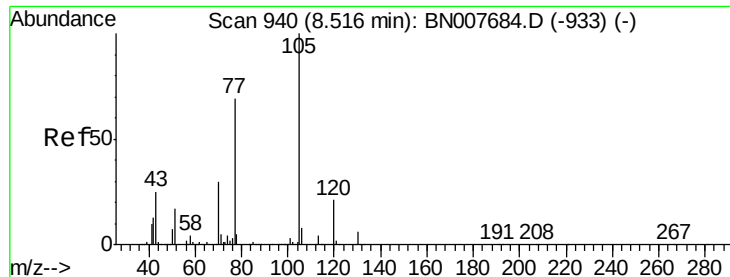
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	9732	0.60	ng/uL	0.00
5) Phenol-d5	6.88	99	225125	3.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	121343	3.67	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	167381	4.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	171942	3.86	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	76015	3.96	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	70673	3.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	169952	3.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	80654m	1.45	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	541925	3.96	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	617587	3.94	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	58477	2.40	ng/ul	0.00
57) Fluorene-d10	15.32	176	489479	4.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	18201	0.92	ng/ul	0.00
70) Anthracene-d10	17.17	188	749602	4.12	ng/ul	0.00
78) Pyrene-d10	19.47	212	867742	4.70	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.35	264	861792	4.25	ng/ul	0.00

Target Compounds

					Ovalue
14) Acetophenone	8.52	105	94187	1.305	ng/ul 95
44) Dimethylphthalate	13.79	163	150233	1.076	ng/ul 99
49) Acenaphthene	14.39	153	562987	4.842	ng/ul 99
53) Dibenzofuran	14.73	168	298339	1.769	ng/ul 100
58) Fluorene	15.37	166	314576	2.318	ng/ul 98
69) Phenanthrene	17.12	178	10579910	48.822	ng/ul 98
71) Anthracene	17.20	178	2022266	9.323	ng/ul 99
74) Carbazole	17.47	167	1756661	9.575	ng/ul 99
76) Fluoranthene	19.13	202	16354224m	68.797	ng/ul
79) Pyrene	19.49	202	16639902m	72.889	ng/ul
82) Benzo(a)anthracene	21.25	228	13150495	53.830	ng/ul# 87
84) Chrysene	21.30	228	14317785	62.993	ng/ul# 86
87) Benzo(b)fluoranthene	22.84	252	20272022	80.458	ng/ul 93
88) Benzo(k)fluoranthene	22.87	252	6895895	28.164	ng/ul 97
90) Benzo(a)pyrene	23.40	252	15170242	62.277	ng/ul 97
91) Indeno(1,2,3-cd)pyrene	25.72	276	10764361	37.612	ng/ul 96
92) Dibenzo(a,h)anthracene	25.72	278	2988095	12.518	ng/ul# 92
93) Benzo(g,h,i)perylene	26.40	276	10975190	46.779	ng/ul 99

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



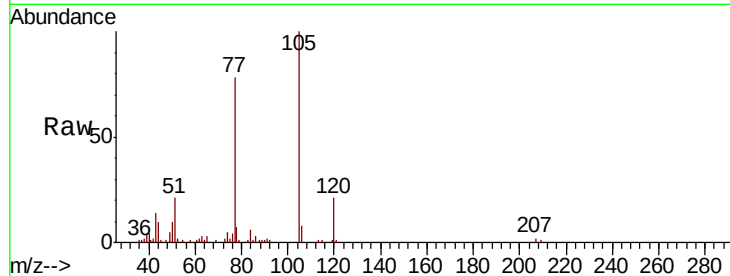
#14
Acetophenone
Concen: 1.305 ng/ul
RT: 8.52 min Scan# 940
Delta R.T. -0.00 min
Lab File: BN007685.D
Acq: 17 Sep 2019 03:38

Instrument :
BNA_N
ClientSampleId :
F2D27MEDL

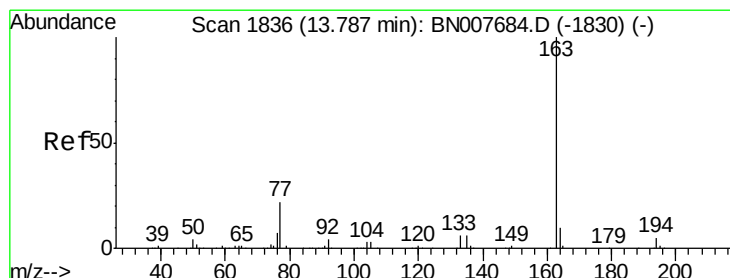
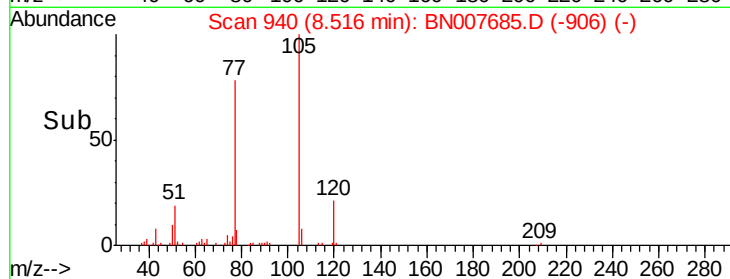
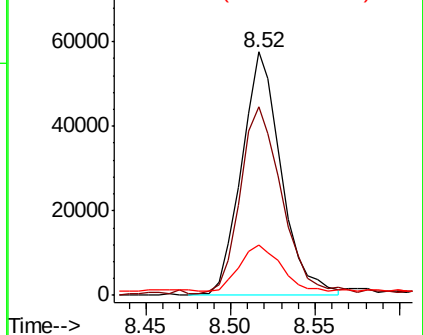
Tot Ion:	105	Resp:	94187
Ion Ratio	Lower	Upper	
105	100		
77	77.5	66.5	99.7
51	20.8	16.3	24.5

Manual Integrations
APPROVED

mohammad
9/17/2019 4:10:29 PM

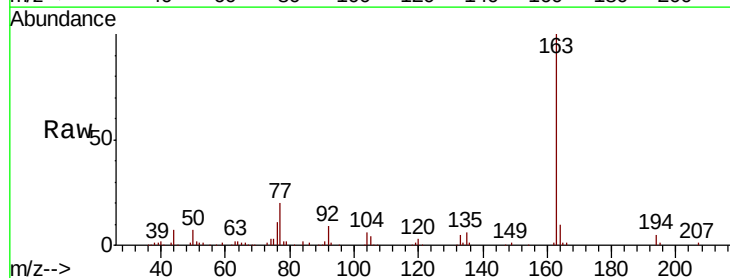


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BNO
Ion 51.00 (50.70 to 51.70): BNO

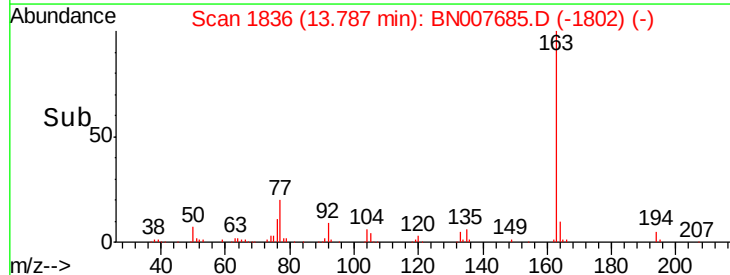
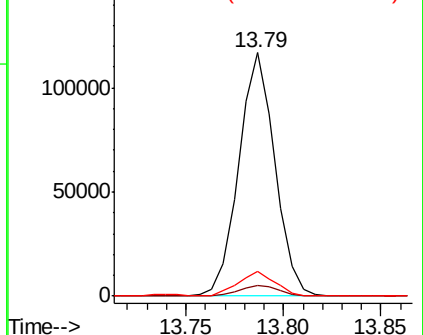


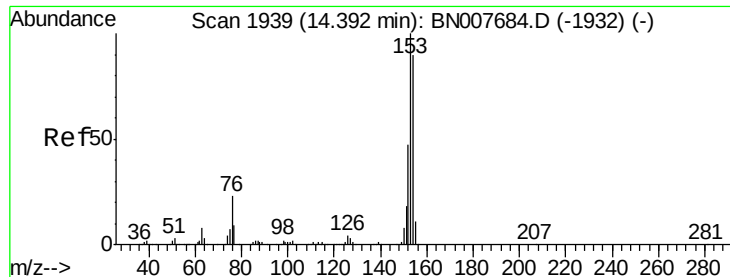
#44
Dimethylphthalate
Concen: 1.076 ng/ul
RT: 13.79 min Scan# 1836
Delta R.T. -0.00 min
Lab File: BN007685.D
Acq: 17 Sep 2019 03:38

Tgt Ion:	163	Resp:	150233
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.4	5.2
164	10.0	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 4.842 ng/ul

RT: 14.39 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BN007685.D

Acq: 17 Sep 2019 03:38

Instrument :

BNA_N

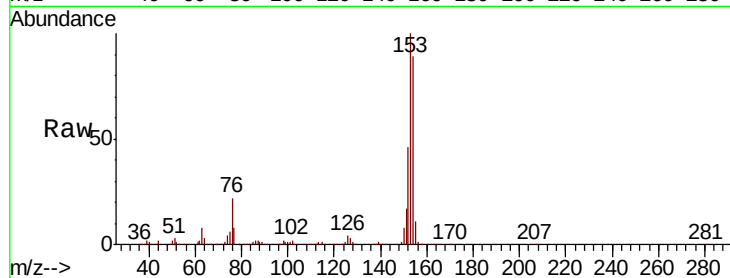
ClientSampled :

F2D27MEDL

Tot Ion:	153	Resp:	562987
Ion Ratio		Lower	Upper
153	100		
152	46.5	37.8	56.8
154	89.0	70.3	105.5

Manual Integrations
APPROVED

mohammad
9/17/2019 4:10:29 PM

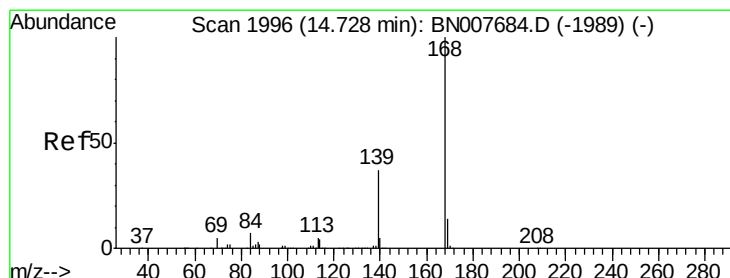
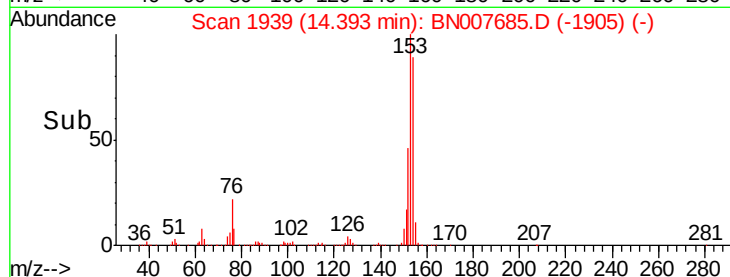
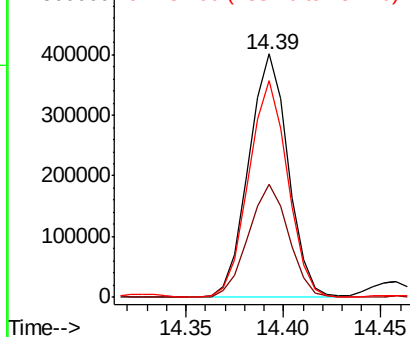


Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.769 ng/ul

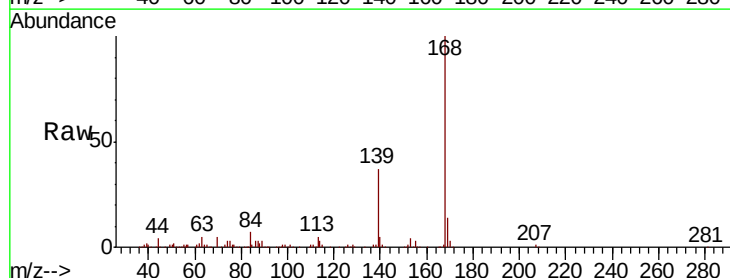
RT: 14.73 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BN007685.D

Acq: 17 Sep 2019 03:38

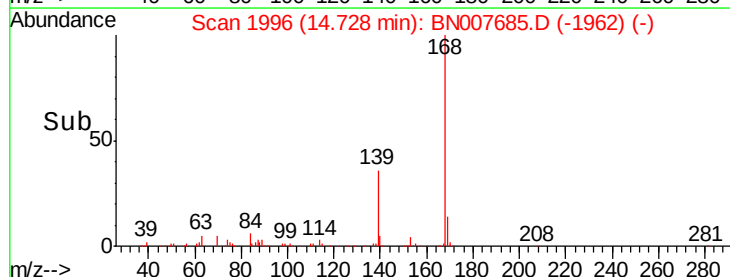
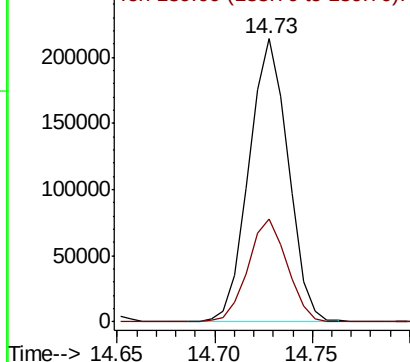
Tgt Ion:	168	Resp:	298339
Ion Ratio		Lower	Upper
168	100		
139	36.5	29.1	43.7

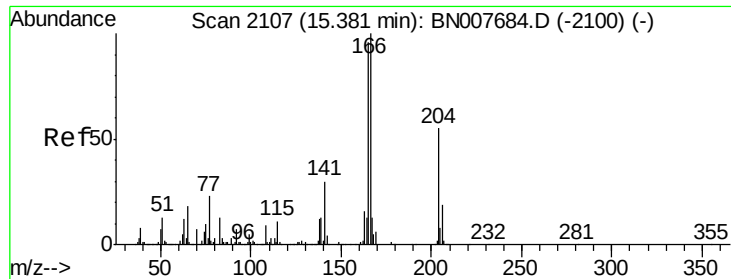


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





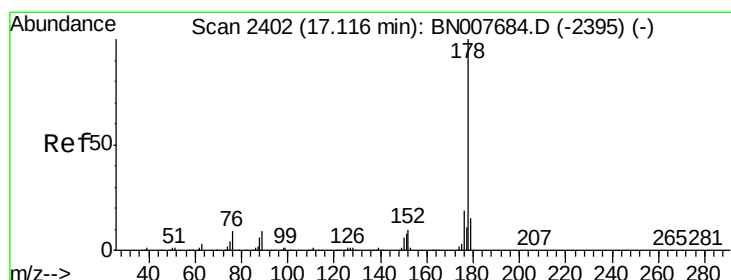
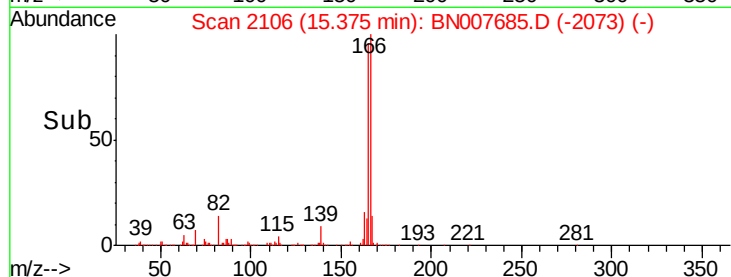
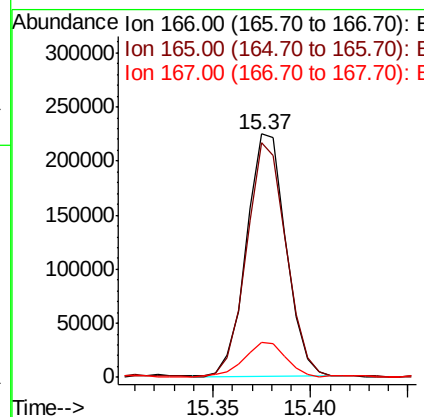
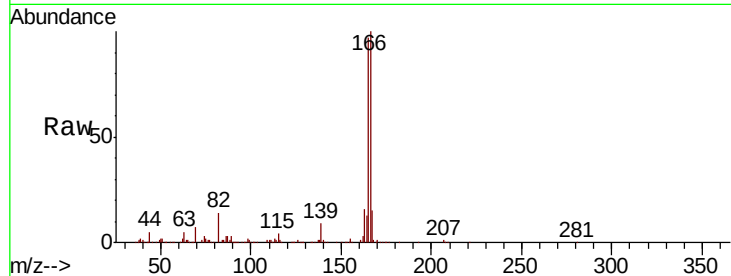
#58
 Fluorene
 Concen: 2.318 ng/ul
 RT: 15.37 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: BN007685.D
 Acq: 17 Sep 2019 03:38

Instrument :
 BNA_N
 ClientSampleId :
 F2D27MEDL

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.6	118.0
167	14.5	10.8	16.2

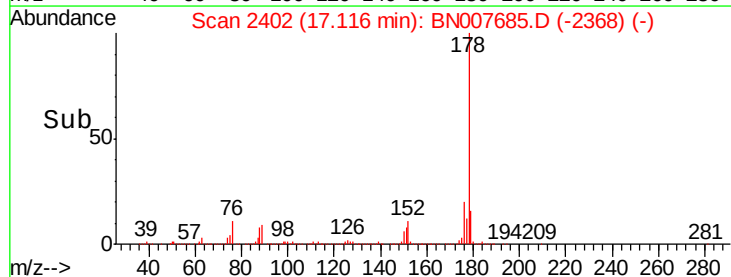
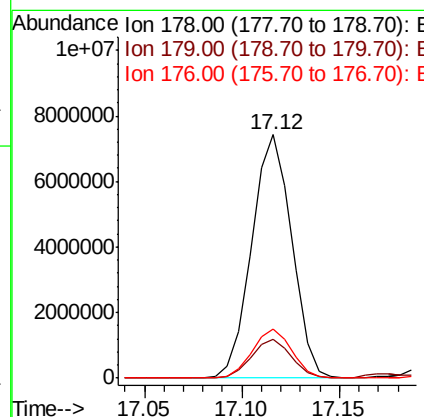
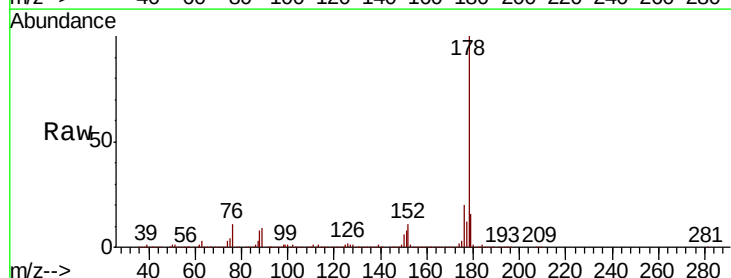
Manual Integrations
 APPROVED

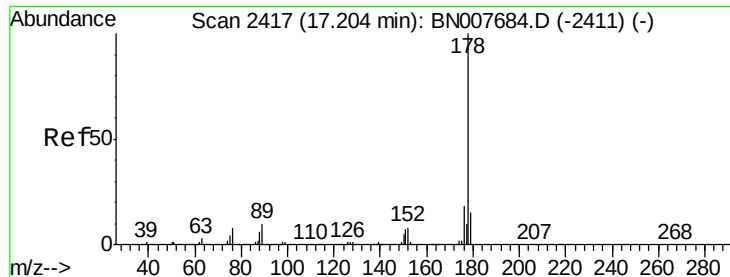
mohammad
 9/17/2019 4:10:29 PM



#69
 Phenanthrene
 Concen: 48.822 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. -0.00 min
 Lab File: BN007685.D
 Acq: 17 Sep 2019 03:38

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.9	17.9
176	19.9	15.2	22.8





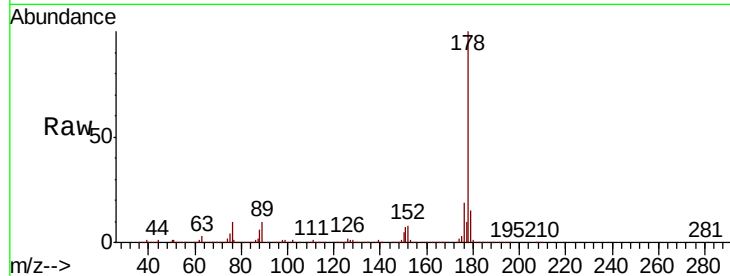
#71
 Anthracene
 Concen: 9.323 ng/ul
 RT: 17.20 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: BN007685.D
 Acq: 17 Sep 2019 03:38

Instrument :
 BNA_N
 ClientSampleId :
 F2D27MEDL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.7	19.1
176	18.6	15.1	22.7

Manual Integrations
 APPROVED

mohammad
 9/17/2019 4:10:29 PM

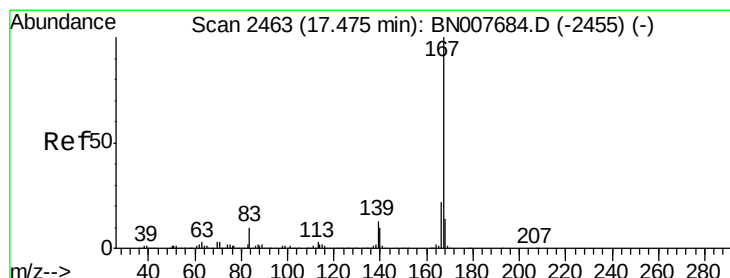
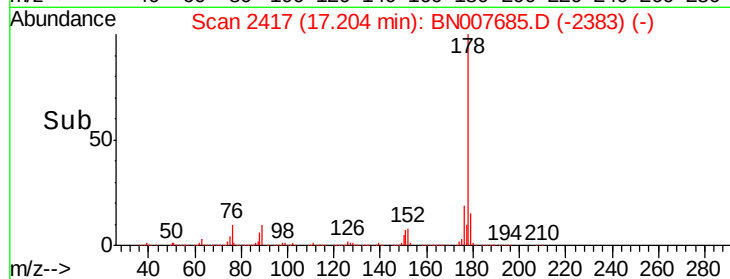
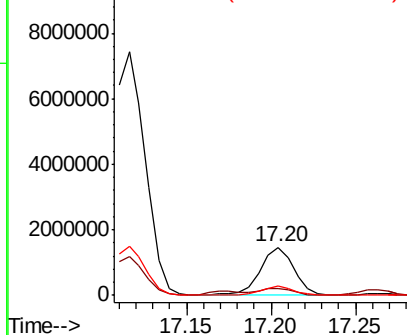


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74
 Carbazole
 Concen: 9.575 ng/ul
 RT: 17.47 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: BN007685.D
 Acq: 17 Sep 2019 03:38

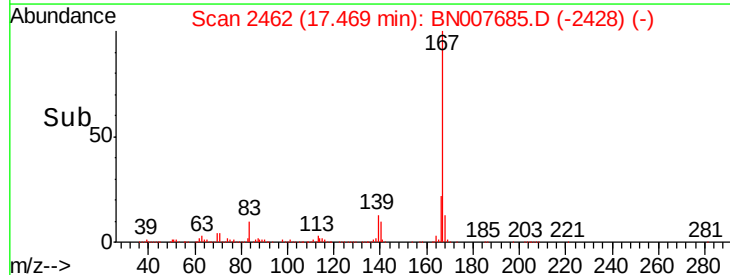
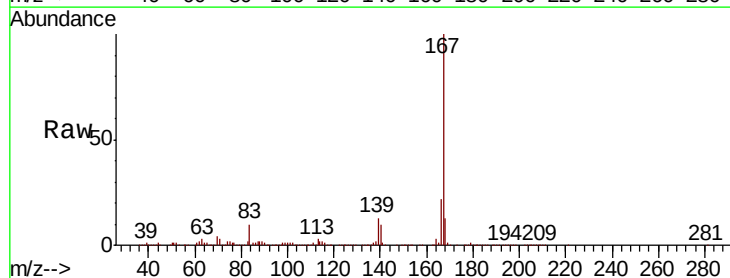
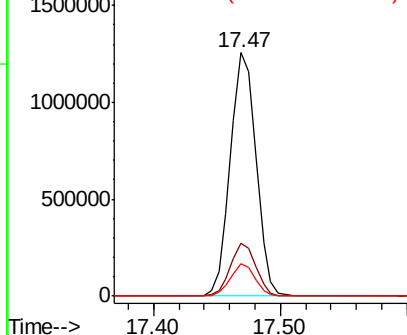
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.4
139	13.1	10.1	15.1

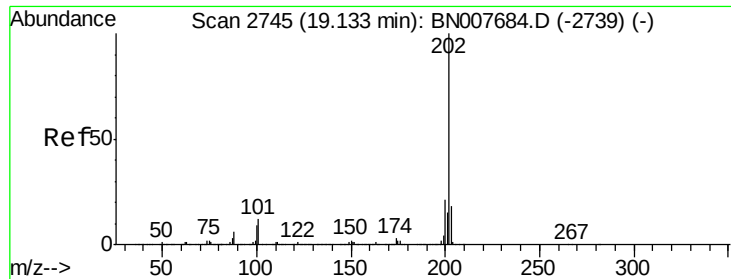
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Fluoranthene

Concen: 68.797 ng/ul m

RT: 19.13 min Scan# 2745

Delta R.T. -0.00 min

Lab File: BN007685.D

Acq: 17 Sep 2019 03:38

Instrument :

BNA_N

ClientSampleId :

F2D27MEDL

Tot Ion:202 Resp:16354224

Ion Ratio Lower Upper

202 100

101 20.0 9.4 14.2#

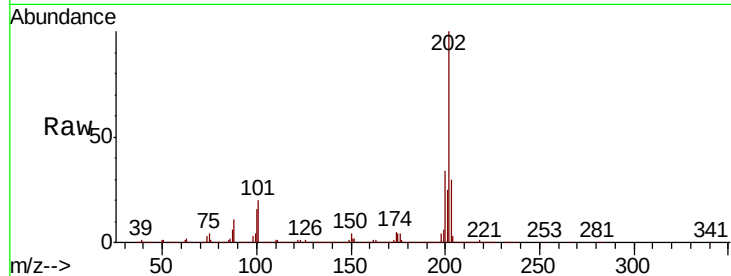
100 15.5 7.1 10.7#

Manual Integrations

APPROVED

mohammad

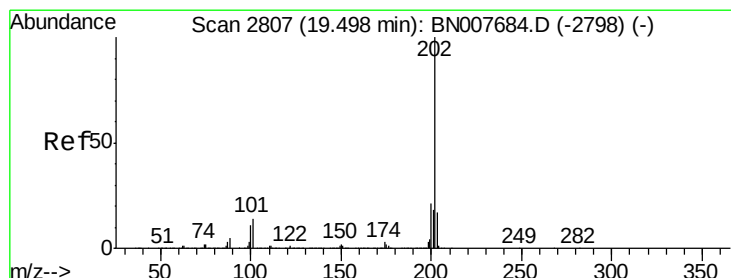
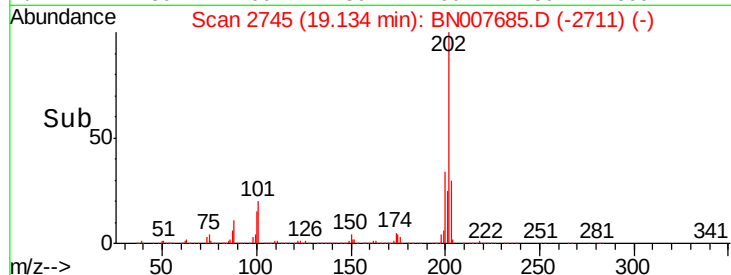
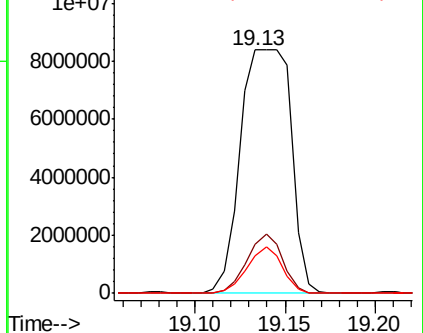
9/17/2019 4:10:29 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 72.889 ng/ul m

RT: 19.49 min Scan# 2806

Delta R.T. -0.01 min

Lab File: BN007685.D

Acq: 17 Sep 2019 03:38

Tgt Ion:202 Resp:16639902

Ion Ratio Lower Upper

202 100

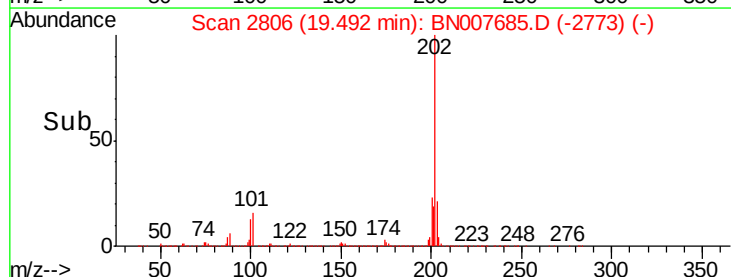
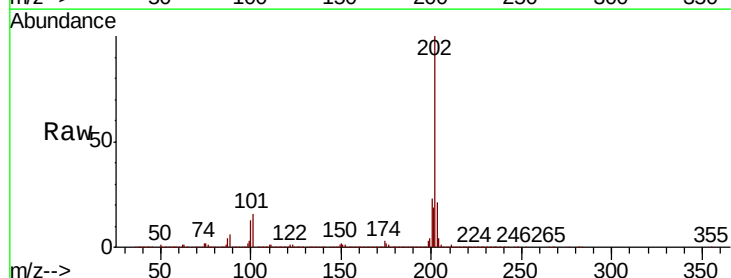
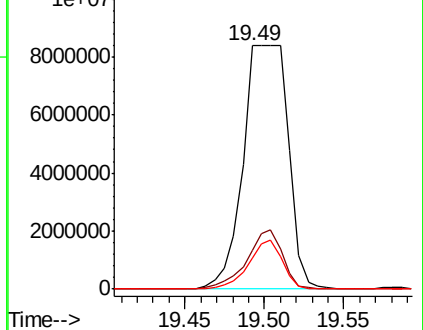
101 15.7 11.2 16.8

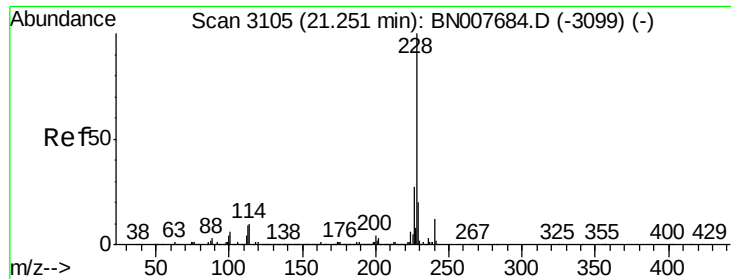
100 12.7 9.4 14.0

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





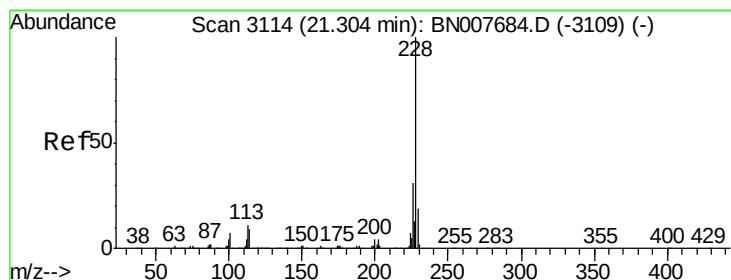
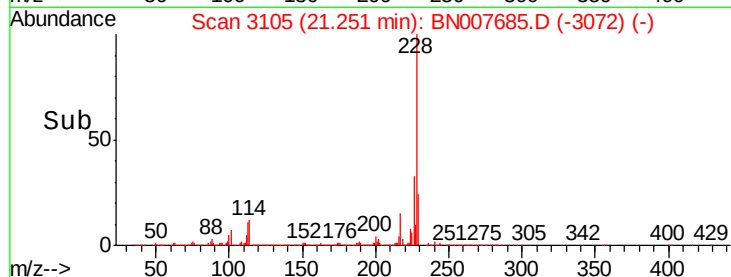
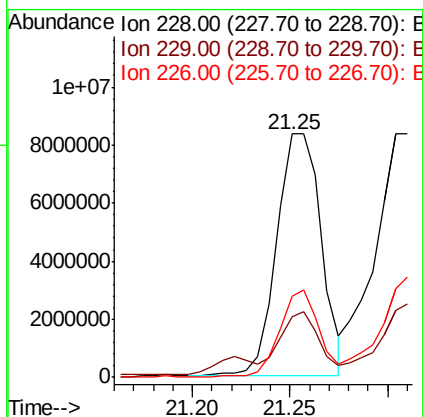
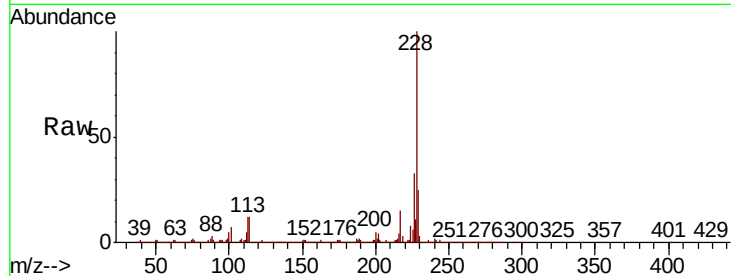
#82
Benzo(a)anthracene
Concen: 53.830 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BN007685.D
Acq: 17 Sep 2019 03:38

Instrument :
BNA_N
ClientSampleId :
F2D27MEDL

Tot Ion:228 Resp:13150495
Ion Ratio Lower Upper
228 100
229 24.7 15.7 23.5#
226 33.4 20.9 31.3#

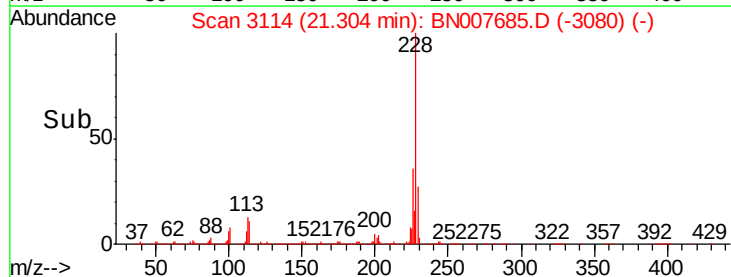
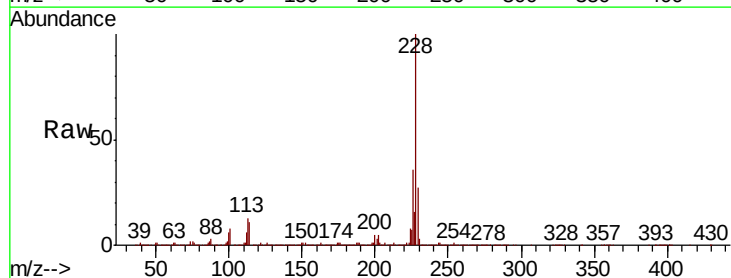
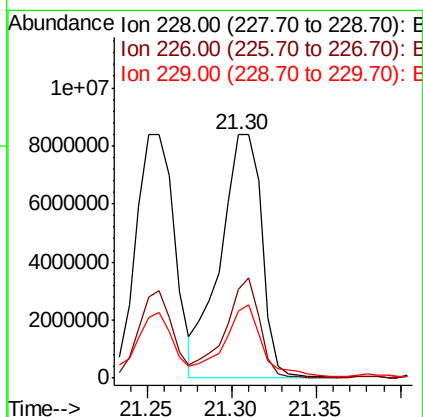
Manual Integrations
APPROVED

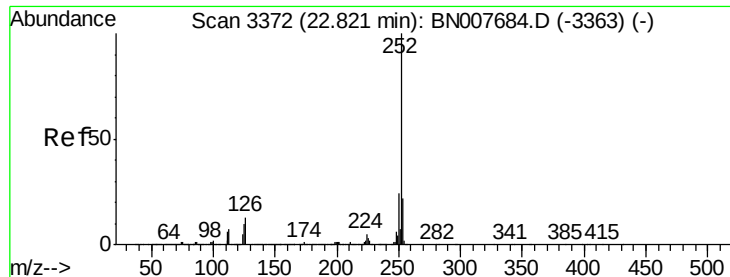
mohammad
9/17/2019 4:10:29 PM



#84
Chrysene
Concen: 62.993 ng/ul
RT: 21.30 min Scan# 3114
Delta R.T. -0.00 min
Lab File: BN007685.D
Acq: 17 Sep 2019 03:38

Tgt Ion:228 Resp:14317785
Ion Ratio Lower Upper
228 100
226 36.4 24.2 36.4#
229 27.3 15.5 23.3#





#87

Benzo(b)fluoranthene

Concen: 80.458 ng/ul

RT: 22.84 min Scan# 3375

Delta R.T. 0.01 min

Lab File: BN007685.D

Acq: 17 Sep 2019 03:38

Instrument :
BNA_N

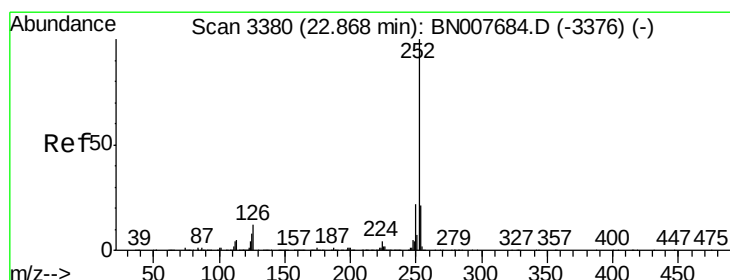
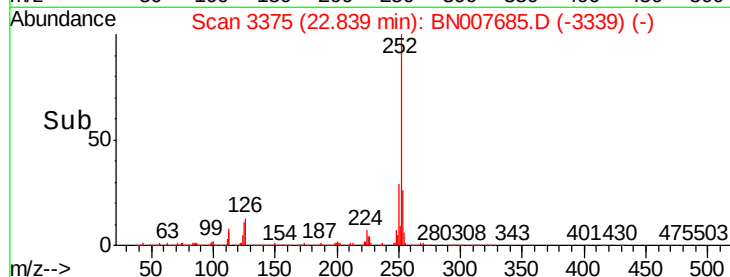
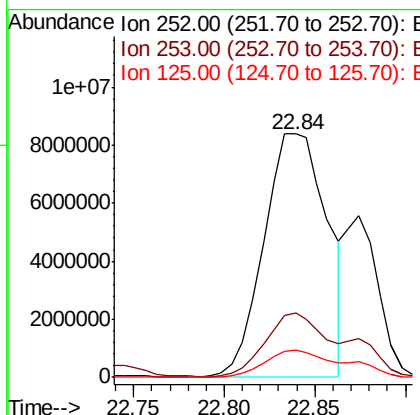
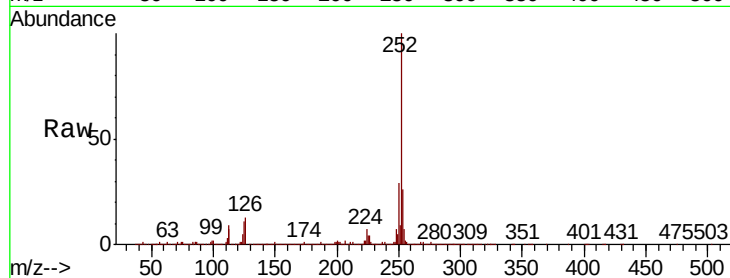
ClientSampleId :
F2D27MEDL

Tot Ion:252 Resp:20272022

Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.6	26.4
125	11.2	8.0	12.0

Manual Integrations
APPROVED

mohammad
9/17/2019 4:10:29 PM



#88

Benzo(k)fluoranthene

Concen: 28.164 ng/ul

RT: 22.87 min Scan# 3381

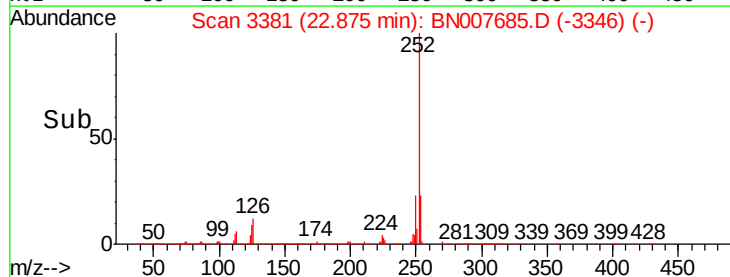
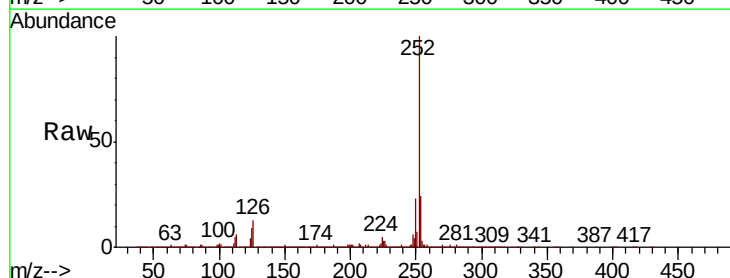
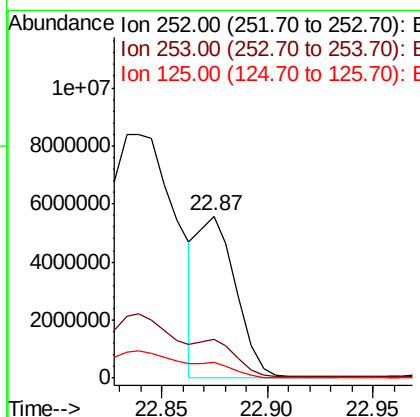
Delta R.T. 0.01 min

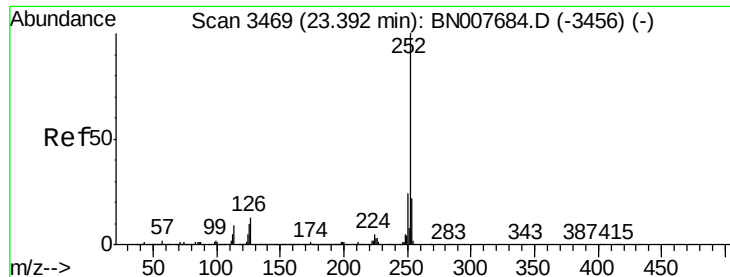
Lab File: BN007685.D

Acq: 17 Sep 2019 03:38

Tgt Ion:252 Resp: 6895895

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	9.5	8.2	12.4





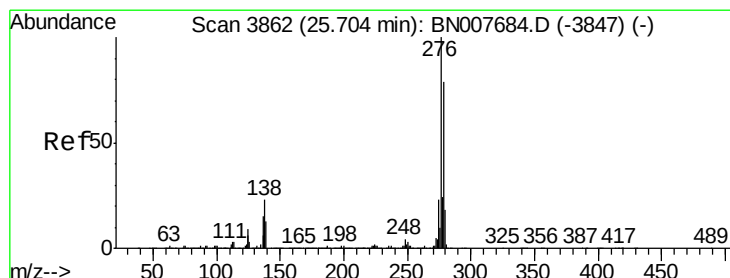
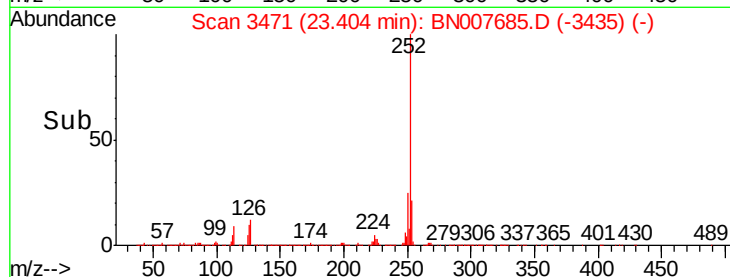
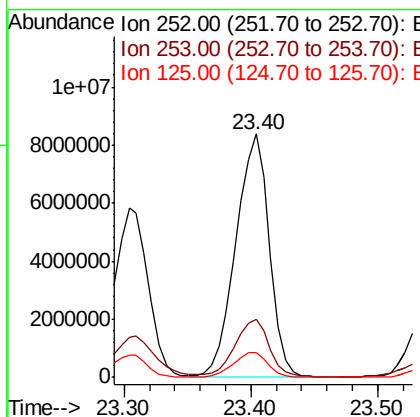
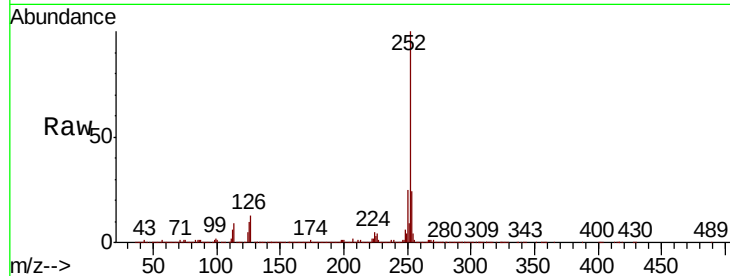
#90
Benzo(a)pyrene
Concen: 62.277 ng/ul
RT: 23.40 min Scan# 3471
Delta R.T. 0.01 min
Lab File: BN007685.D
Acq: 17 Sep 2019 03:38

Instrument :
BNA_N
ClientSampled :
F2D27MEDL

Tot Ion:252 Resp:15170242
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 10.1 9.2 13.8

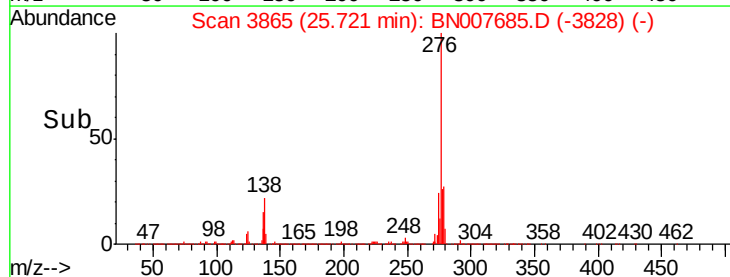
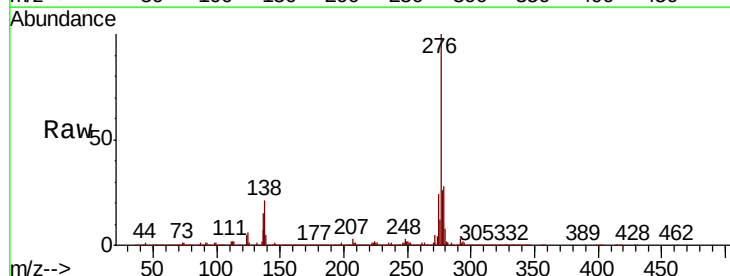
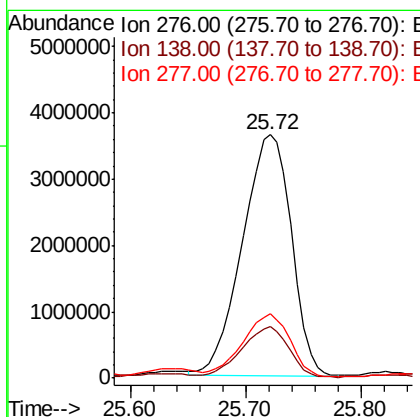
Manual Integrations
APPROVED

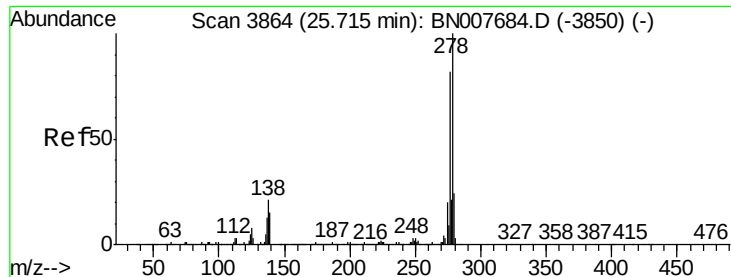
mohammad
9/17/2019 4:10:29 PM



#91
Indeno(1,2,3-cd)pyrene
Concen: 37.612 ng/ul
RT: 25.72 min Scan# 3865
Delta R.T. 0.02 min
Lab File: BN007685.D
Acq: 17 Sep 2019 03:38

Tgt Ion:276 Resp:10764361
Ion Ratio Lower Upper
276 100
138 21.4 19.1 28.7
277 26.4 19.7 29.5





#92

Dibenzo(a,h)anthracene

Concen: 12.518 ng/ul

RT: 25.72 min Scan# 3865

Delta R.T. 0.00 min

Lab File: BN007685.D

Acq: 17 Sep 2019 03:38

Instrument :

BNA_N

ClientSampled :

F2D27MEDL

Tot Ion:278 Resp: 2988095

Ion Ratio Lower Upper

278 100

139 19.2 12.6 19.0#

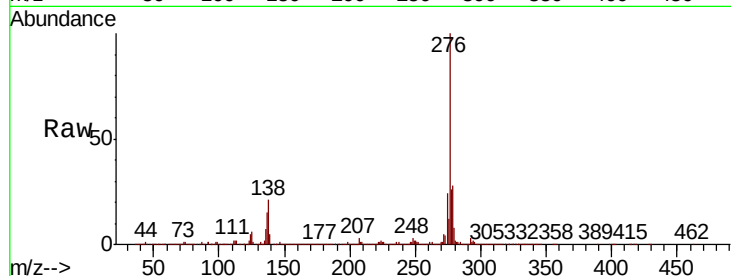
279 28.0 19.4 29.2

Manual Integrations

APPROVED

mohammad

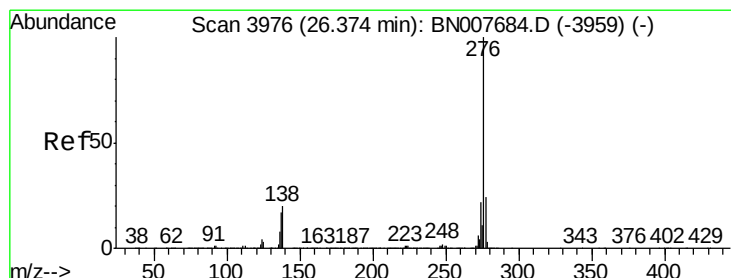
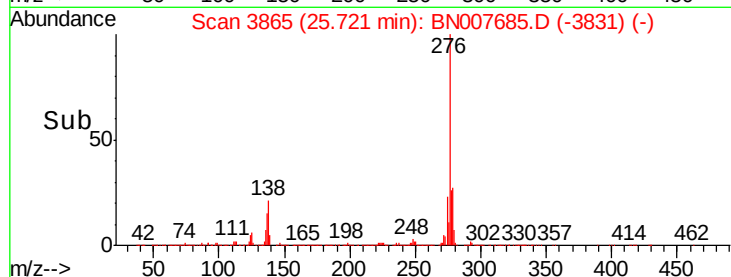
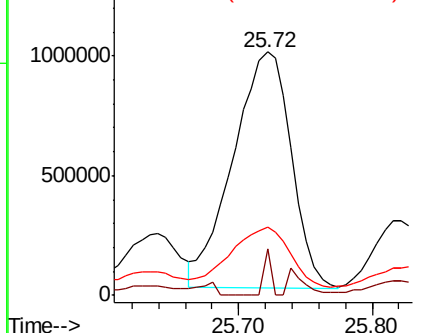
9/17/2019 4:10:29 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 46.779 ng/ul

RT: 26.40 min Scan# 3981

Delta R.T. 0.02 min

Lab File: BN007685.D

Acq: 17 Sep 2019 03:38

Tgt Ion:276 Resp:10975190

Ion Ratio Lower Upper

276 100

138 19.8 16.5 24.7

277 23.9 18.7 28.1

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

