

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
 Data File : BN009702.D
 Acq On : 11 Feb 2020 11:51
 Operator : CG/JU
 Sample : L1324-04MEDL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAT61MEDL

Manual Integrations
 APPROVED

mohammad
 2/13/2020 3:33:06 PM

Quant Time: Feb 12 01:12:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 12 00:52:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	128506	20.00	ng/ul	0.00
18) Naphthalene-d8	10.17	136	529160	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.06	164	344743	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.82	188	737527	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	701747	20.00	ng/ul	0.00
85) Perylene-d12	23.15	264	707174	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	661	0.21	ng/uL	0.00
5) Phenol-d5	6.63	99	12352	1.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	11671	1.55	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	10879	1.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	9798	1.10	ng/ul	0.00
19) Nitrobenzene-d5	8.57	128	6061	1.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.28	143	5646	1.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.83	165	10542	1.28	ng/ul	0.02
29) 4-Chloroaniline-d4	10.34	131	8974m	1.01	ng/ul	0.01
43) Dimethylphthalate-d6	13.49	166	51357	2.04	ng/ul	0.00
46) Acenaphthylene-d8	13.75	160	49752	1.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.35	143	3184m	0.67	ng/ul	0.05
57) Fluorene-d10	15.06	176	45910	2.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	2984	0.65	ng/ul	0.01
70) Anthracene-d10	16.92	188	66885	2.00	ng/ul	0.00
78) Pyrene-d10	19.23	212	69332	1.88	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	65067	1.87	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.22	128	3266655	113.837	ng/ul	99
34) 2-Methylnaphthalene	11.85	142	910789	45.354	ng/ul	99
40) 1,1'-Biphenyl	12.89	154	210215	7.832	ng/ul	98
47) Acenaphthylene	13.78	152	823312	24.741	ng/ul	99
49) Acenaphthene	14.13	153	54705	2.418	ng/ul	97
53) Dibenzofuran	14.47	168	72000	2.286	ng/ul	98
58) Fluorene	15.12	166	428421	16.273	ng/ul	100
69) Phenanthrene	16.86	178	2323513	55.242	ng/ul	99
71) Anthracene	16.95	178	425364	9.967	ng/ul	98
76) Fluoranthene	18.89	202	967009	20.144	ng/ul	99
79) Pyrene	19.26	202	1304871	25.472	ng/ul	100
82) Benzo(a)anthracene	21.02	228	485050m	10.011	ng/ul	
84) Chrysene	21.07	228	408304	8.465	ng/ul	100
87) Benzo(b)fluoranthene	22.53	252	295582	6.681	ng/ul	98
88) Benzo(k)fluoranthene	22.57	252	107320	2.463	ng/ul	98
90) Benzo(a)pyrene	23.06	252	281292	6.862	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	25.21	276	131562	2.699	ng/ul	94
92) Dibenzo(a,h)anthracene	25.20	278	42037m	1.025	ng/ul	
93) Benzo(g,h,i)perylene	25.83	276	119234	2.919	ng/ul	97

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

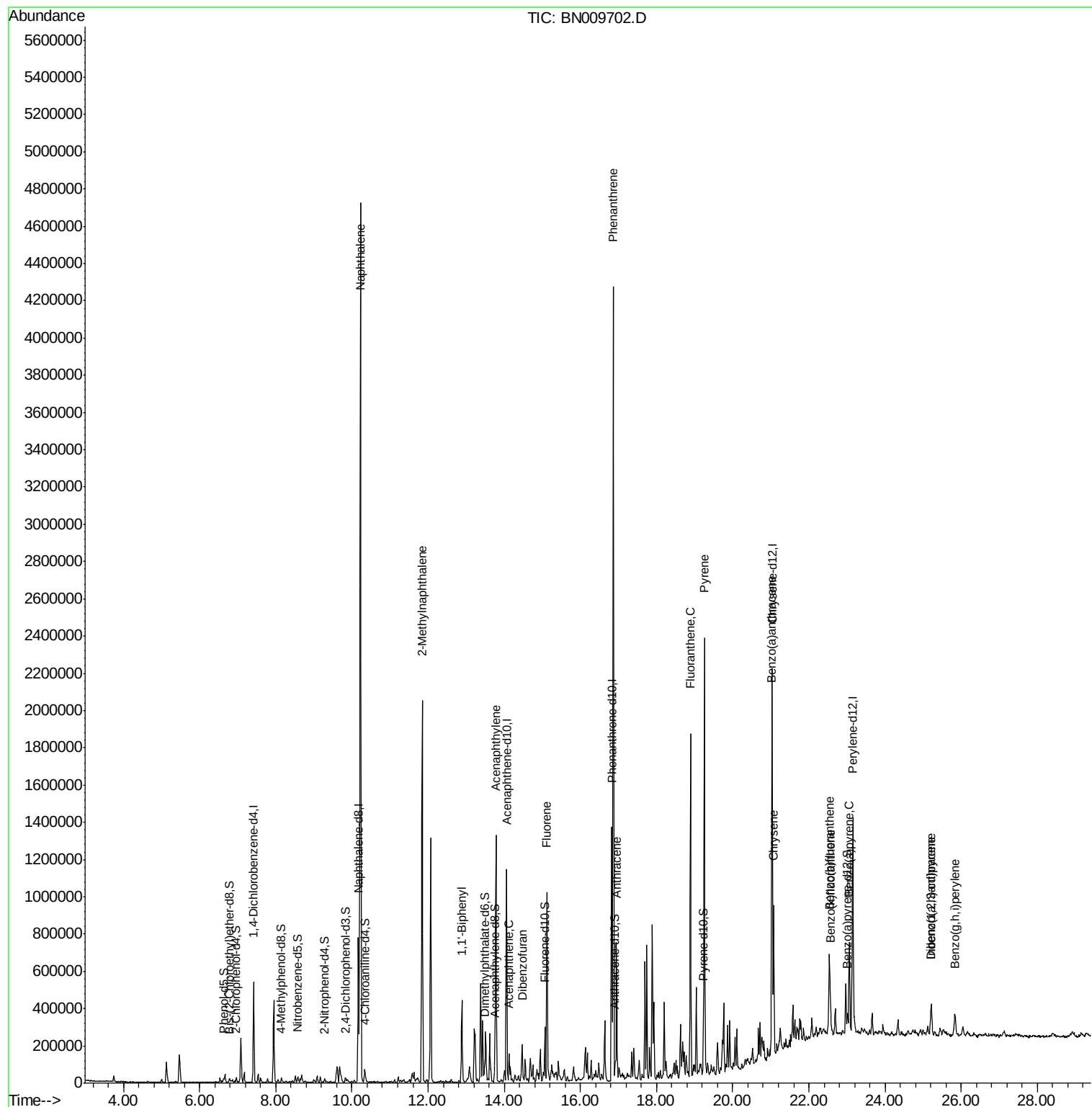
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021120\
Data File : BN009702.D
Acq On : 11 Feb 2020 11:51
Operator : CG/JU
Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

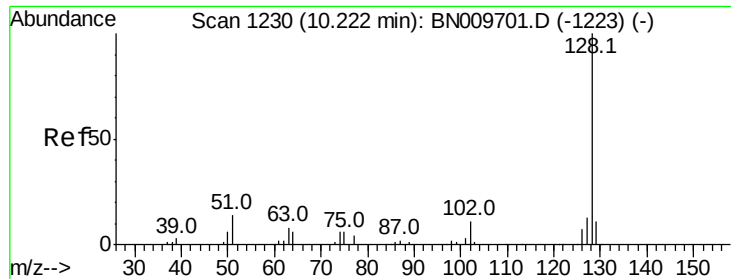
Instrument :
BNA_N
ClientSampleId :
GAT61MEDL

Manual Integrations
APPROVED

mohammad
2/13/2020 3:33:06 PM

Quant Time: Feb 12 01:12:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 00:52:44 2020
Response via : Initial Calibration





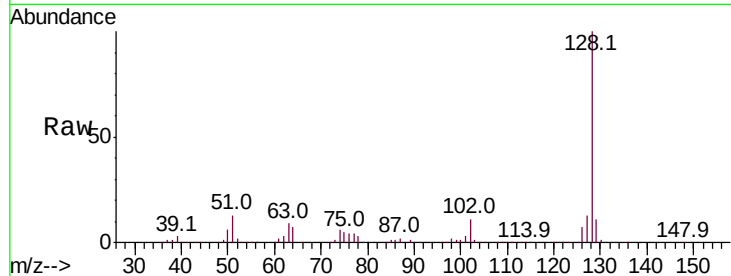
#28
Naphthalene
Concen: 113.837 ng/ul
RT: 10.22 min Scan# 1230
Delta R.T. -0.00 min
Lab File: BN009702.D
Acq: 11 Feb 2020 11:51

Instrument :
BNA_N
ClientSampled :
GAT61MEDL

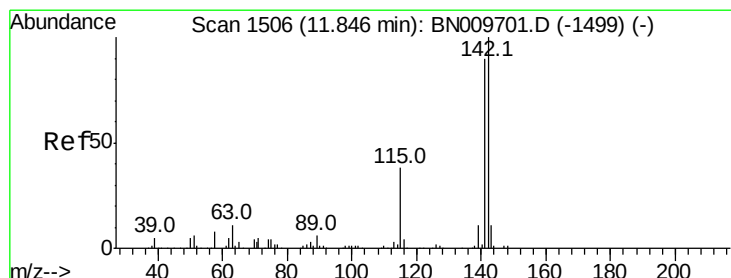
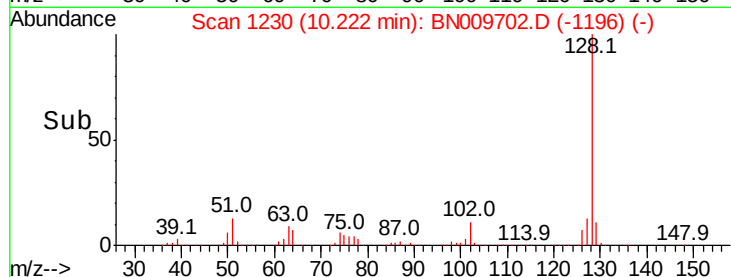
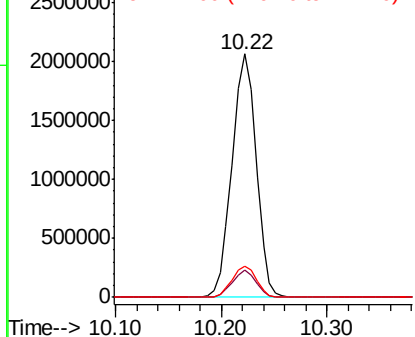
Tot Ion:128 Resp: 3266655
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 12.9 10.7 16.1

Manual Integrations
APPROVED

mohammad
2/13/2020 3:33:06 PM

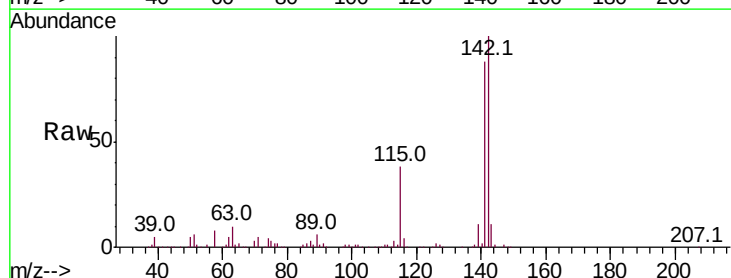


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

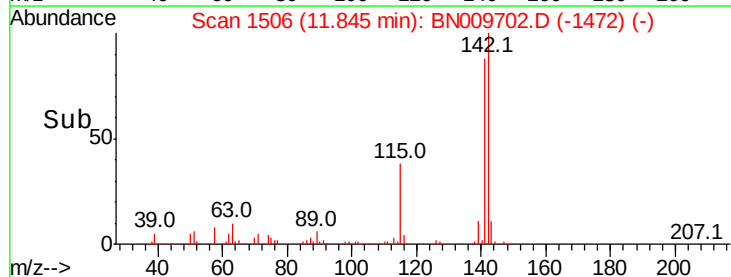
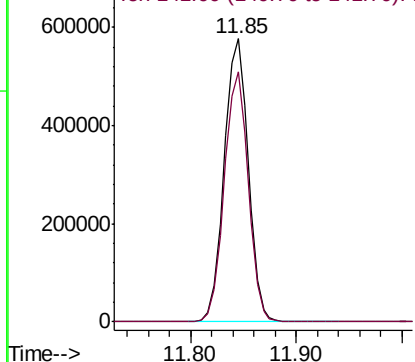


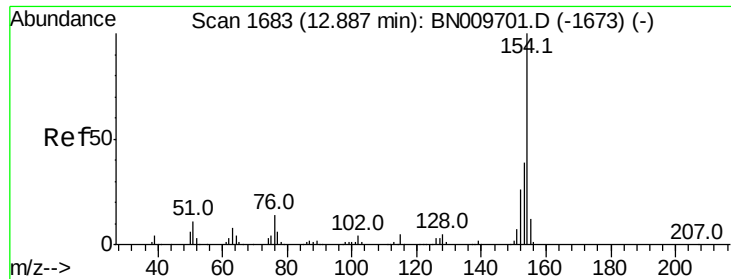
#34
2-Methylnaphthalene
Concen: 45.354 ng/ul
RT: 11.85 min Scan# 1506
Delta R.T. -0.00 min
Lab File: BN009702.D
Acq: 11 Feb 2020 11:51

Tgt Ion:142 Resp: 910789
Ion Ratio Lower Upper
142 100
141 88.4 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





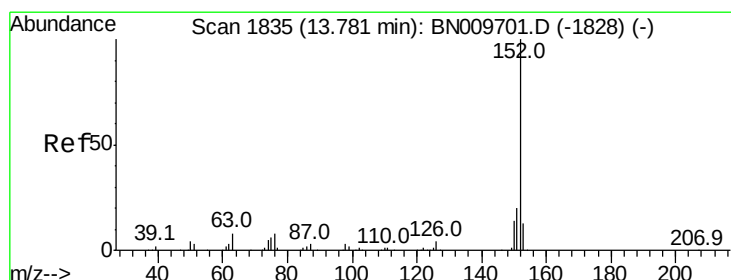
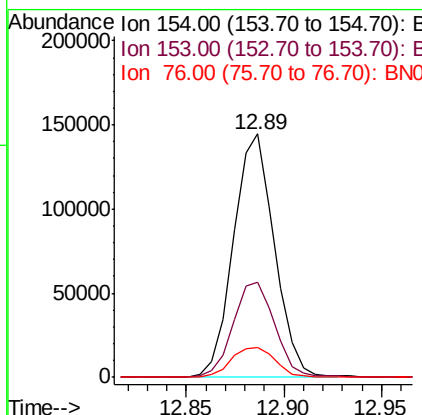
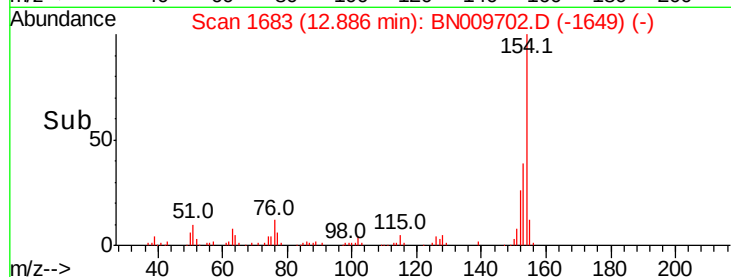
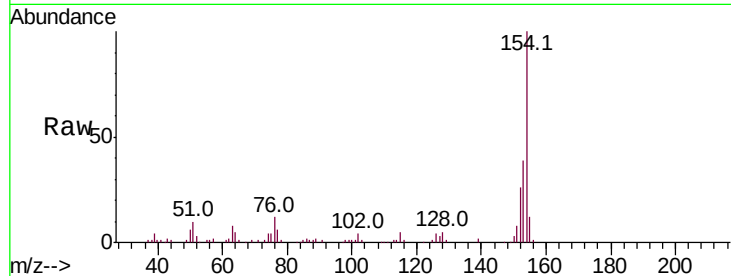
#40
 1,1'-Biphenyl
 Concen: 7.832 ng/ul
 RT: 12.89 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: BN009702.D
 Acq: 11 Feb 2020 11:51

Instrument :
 BNA_N
 ClientSampleId :
 GAT61MEDL

Tot Ion	Ratio	Resp	Lower	Upper
154	100	210215		
153	38.8		31.2	46.8
76	12.2		11.4	17.2

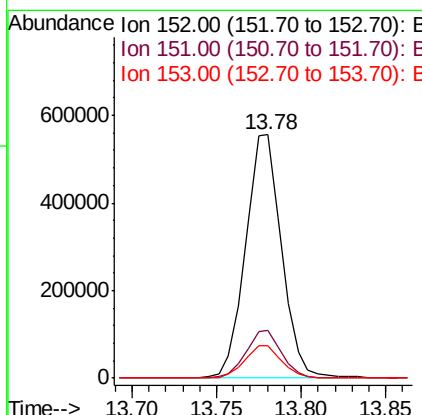
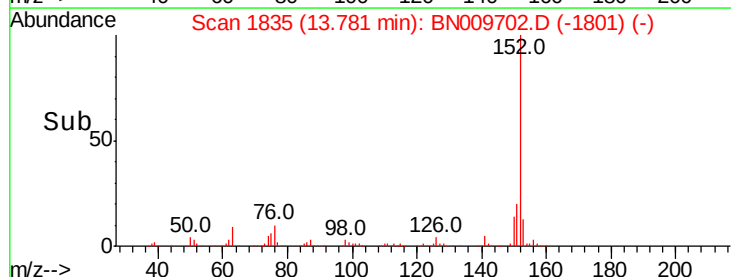
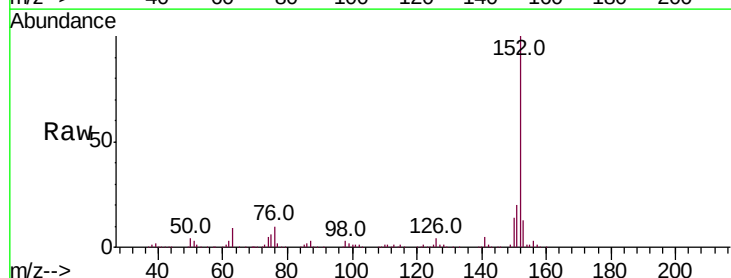
Manual Integrations
 APPROVED

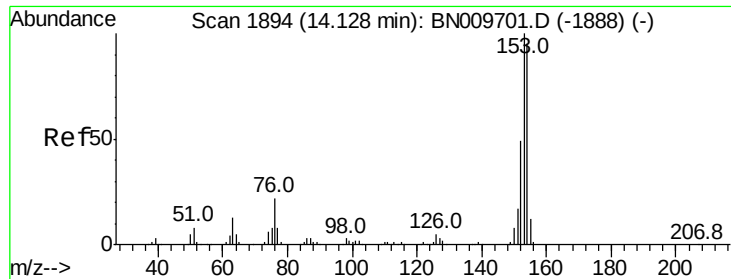
mohammad
 2/13/2020 3:33:06 PM



#47
 Acenaphthylene
 Concen: 24.741 ng/ul
 RT: 13.78 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: BN009702.D
 Acq: 11 Feb 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	823312		
151	19.6		16.2	24.2
153	13.1		10.6	15.8





#49

Acenaphthene

Concen: 2.418 ng/ul

RT: 14.13 min Scan# 1894

Delta R.T. -0.00 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

Instrument :

BNA_N

ClientSampled :

GAT61MEDL

Tot Ion:153 Resp: 54705

Ion Ratio Lower Upper

153 100

152 45.2 37.3 55.9

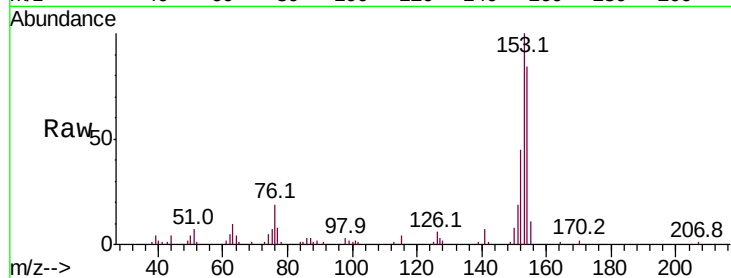
154 84.4 70.2 105.2

Manual Integrations

APPROVED

mohammad

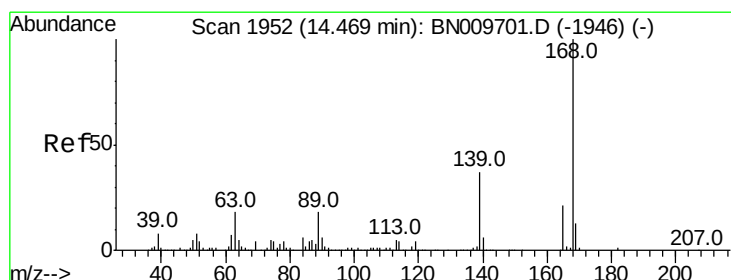
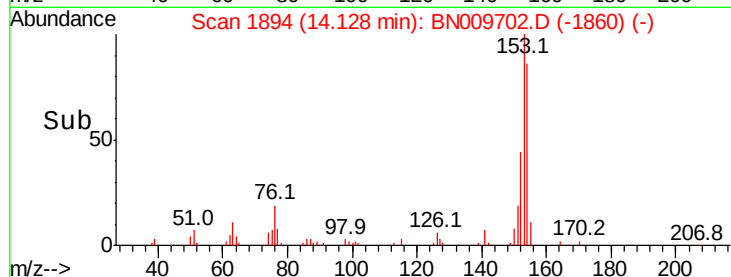
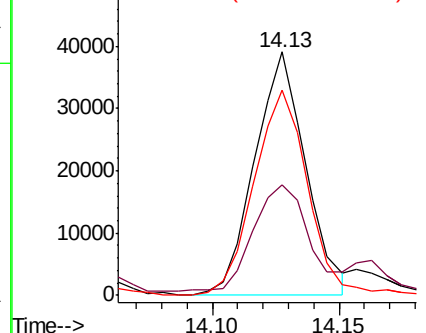
2/13/2020 3:33:06 PM



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: 2.286 ng/ul

RT: 14.47 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BN009702.D

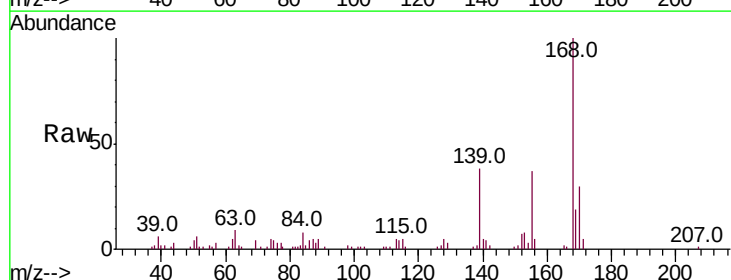
Acq: 11 Feb 2020 11:51

Tgt Ion:168 Resp: 72000

Ion Ratio Lower Upper

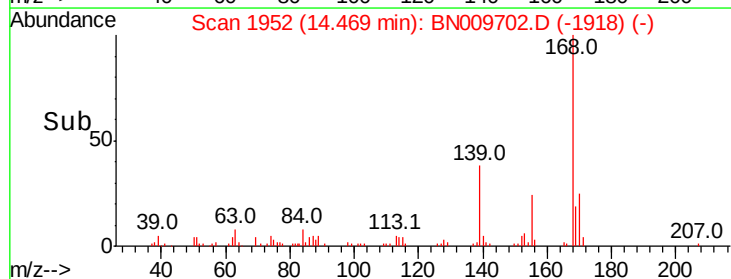
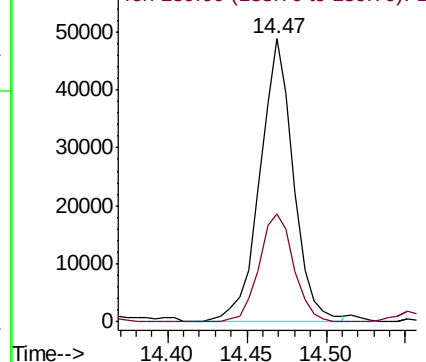
168 100

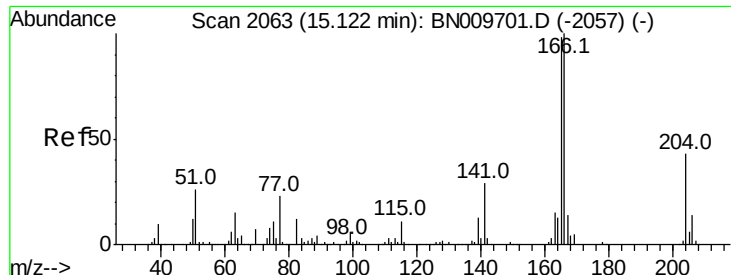
139 38.2 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





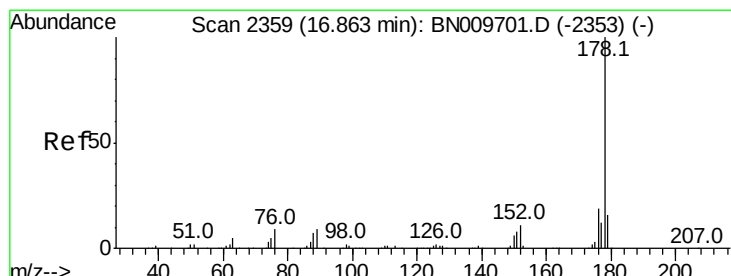
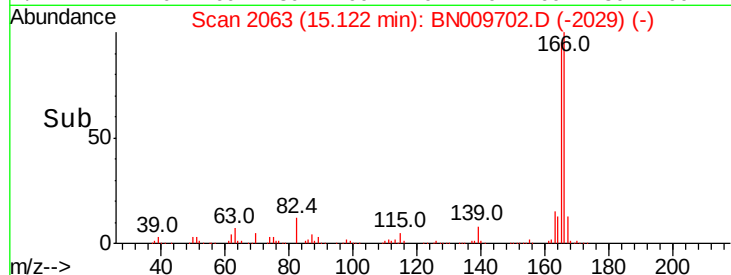
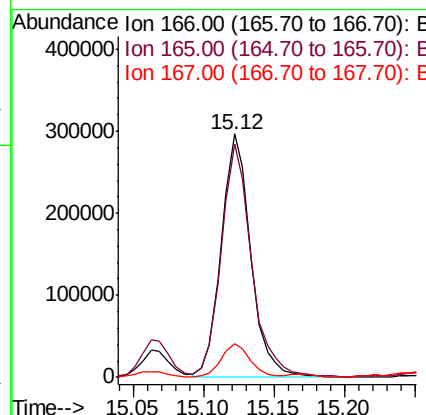
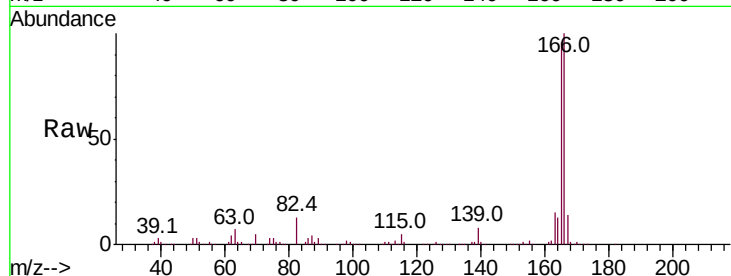
#58
 Fluorene
 Concen: 16.273 ng/ul
 RT: 15.12 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: BN009702.D
 Acq: 11 Feb 2020 11:51

Instrument :
 BNA_N
 ClientSampleId :
 GAT61MEDL

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.7	76.7	115.1
167	13.7	11.1	16.7

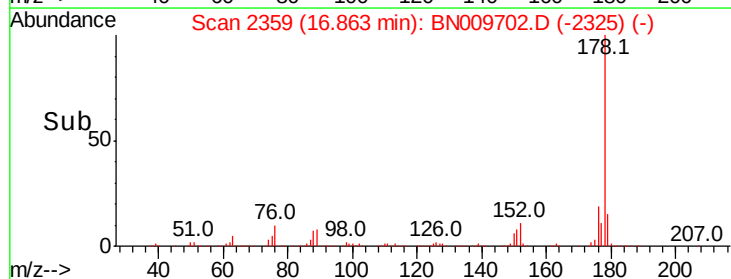
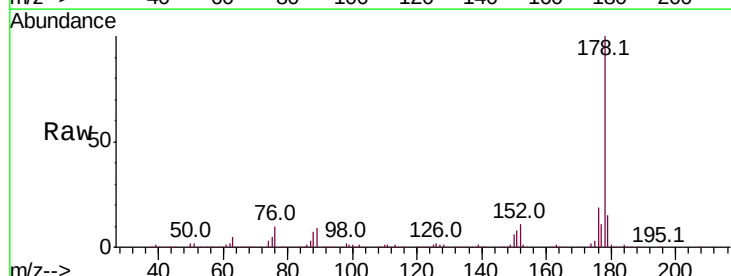
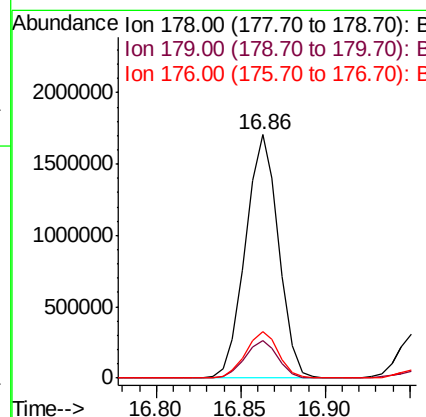
Manual Integrations
 APPROVED

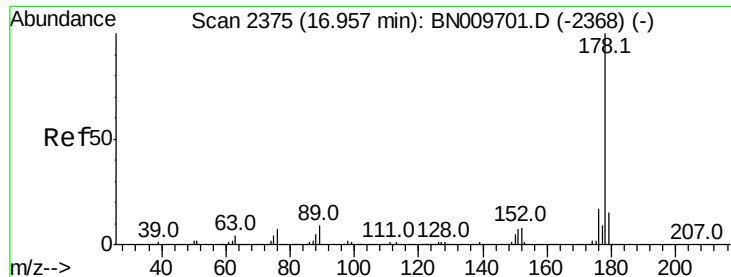
mohammad
 2/13/2020 3:33:06 PM



#69
 Phenanthrene
 Concen: 55.242 ng/ul
 RT: 16.86 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: BN009702.D
 Acq: 11 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	19.2	14.8	22.2





#71

Anthracene

Concen: 9.967 ng/ul

RT: 16.95 min Scan# 2374

Delta R.T. -0.01 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

Instrument :

BNA_N

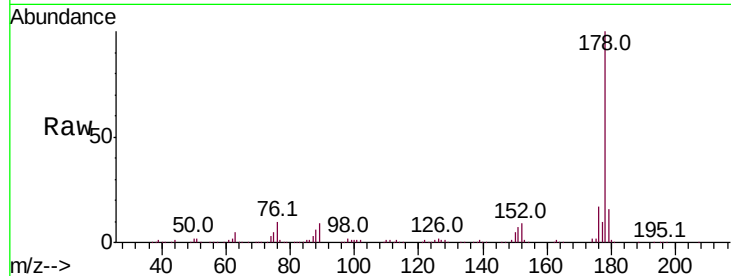
ClientSampleId :

GAT61MEDL

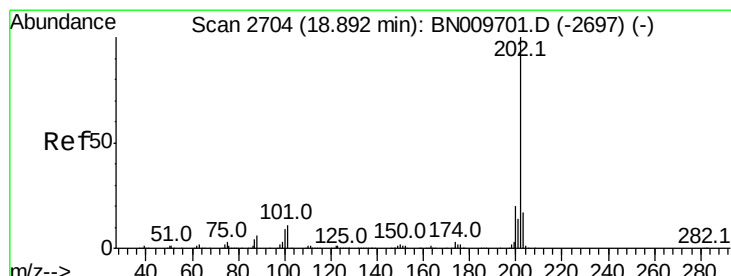
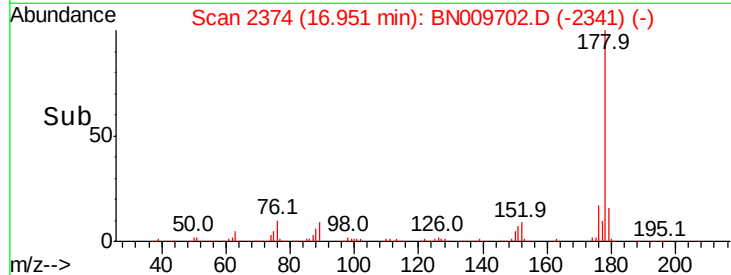
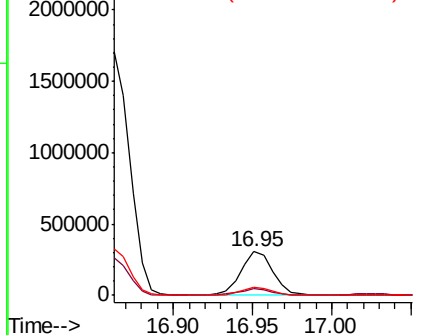
Tot Ion:	178	Resp:	425364
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.1	18.1
176	17.4	14.6	21.8

Manual Integrations
APPROVED

mohammad
2/13/2020 3:33:06 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



#76

Fluoranthene

Concen: 20.144 ng/ul

RT: 18.89 min Scan# 2704

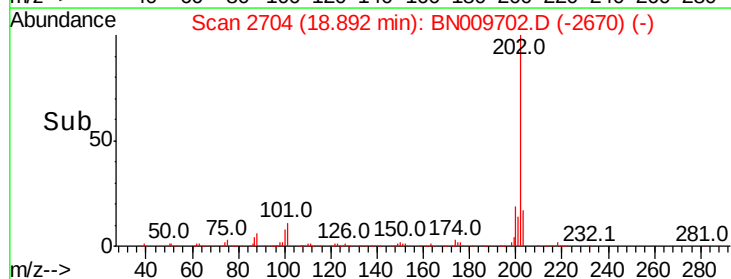
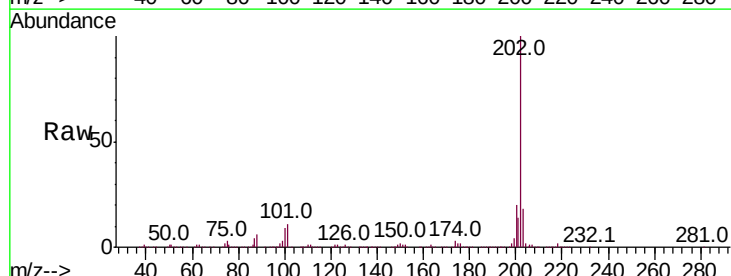
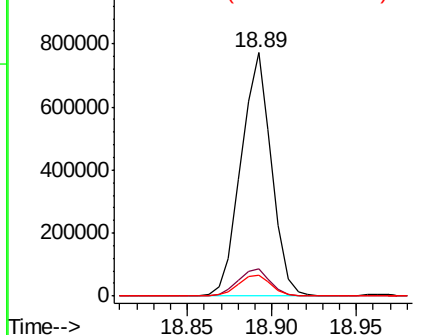
Delta R.T. -0.00 min

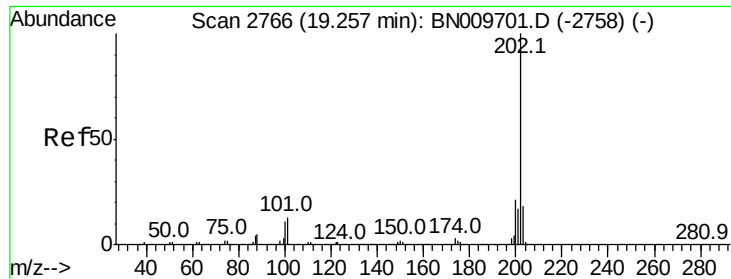
Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

Tgt Ion:	202	Resp:	967009
Ion Ratio	Lower	Upper	
202	100		
101	11.2	9.2	13.8
100	8.7	6.9	10.3

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





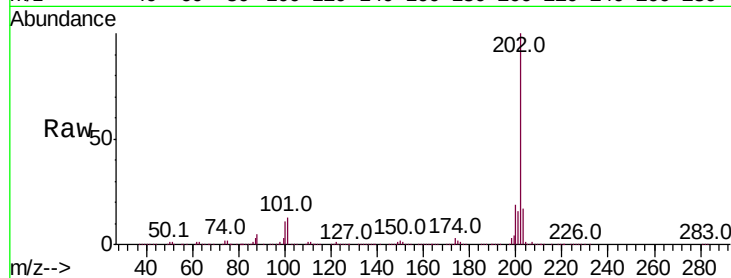
#79
 Pvrene
 Concen: 25.472 ng/ul
 RT: 19.26 min Scan# 2766
 Delta R.T. -0.00 min
 Lab File: BN009702.D
 Acq: 11 Feb 2020 11:51

Instrument :
 BNA_N
 ClientSampled :
 GAT61MEDL

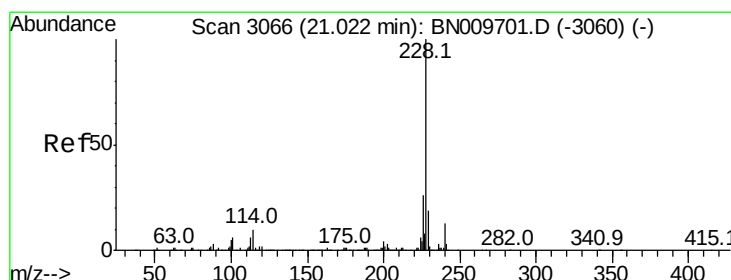
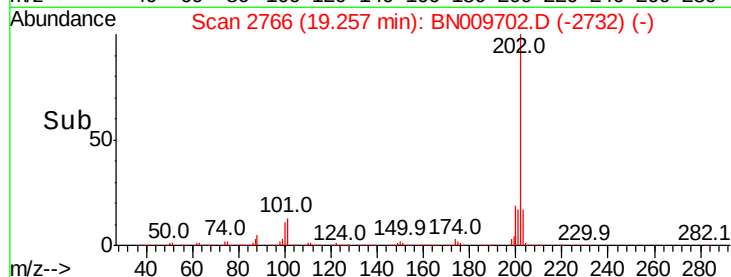
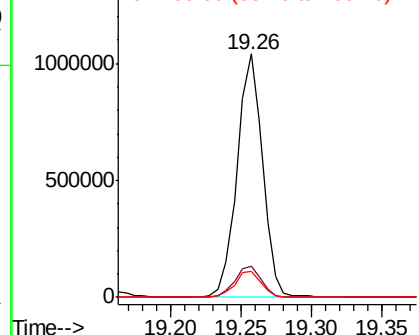
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.7	10.3	15.5
100	10.6	8.4	12.6

Manual Integrations
 APPROVED

mohammad
 2/13/2020 3:33:06 PM



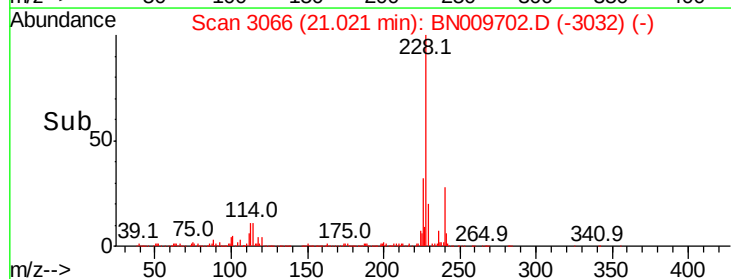
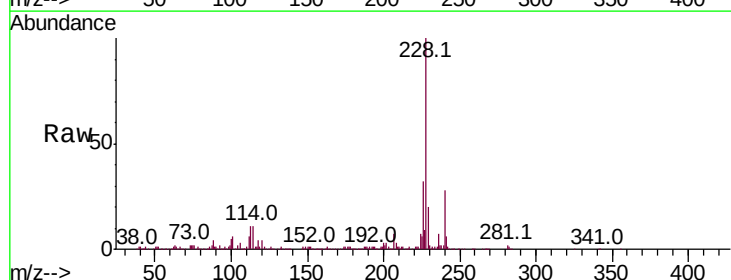
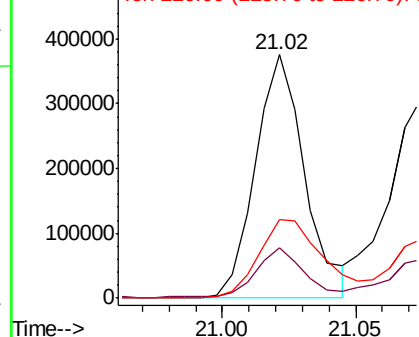
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

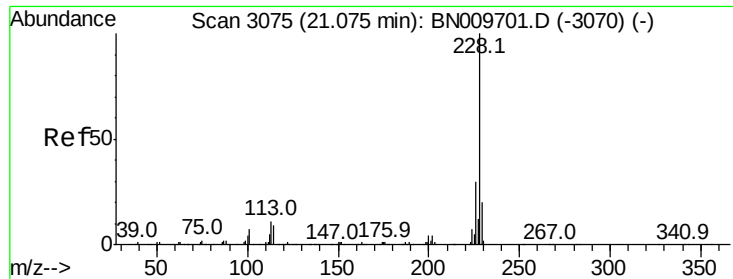


#82
 Benzo(a)anthracene
 Concen: 10.011 ng/ul m
 RT: 21.02 min Scan# 3066
 Delta R.T. -0.00 min
 Lab File: BN009702.D
 Acq: 11 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.0	22.4
226	32.1	20.9	31.3#

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 229.00 (228.70 to 229.70): E
 Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 8.465 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. -0.00 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

Instrument :

BNA_N

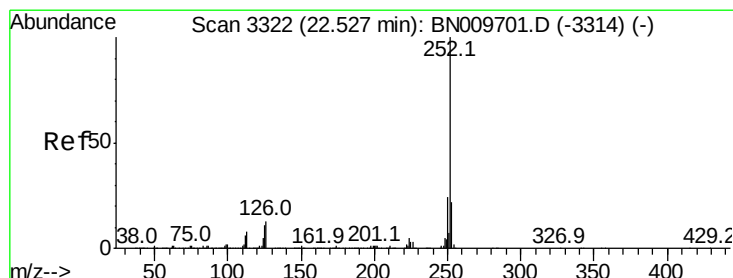
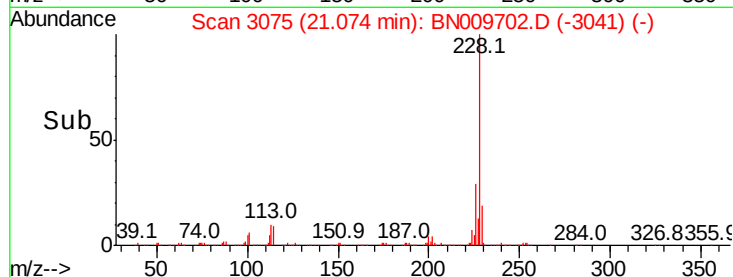
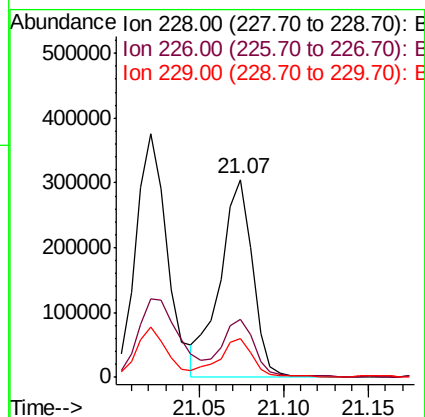
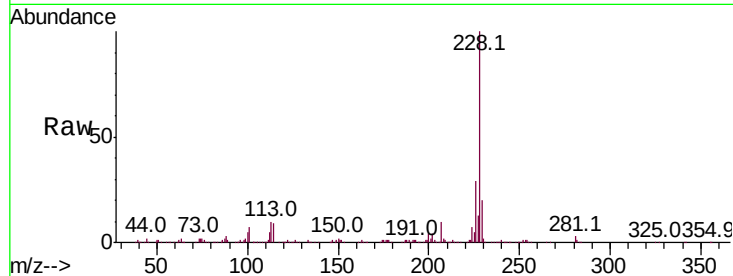
ClientSampled :

GAT61MEDL

Tot Ion:	228	Resp:	408304
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.5	35.3
229	19.6	15.8	23.8

Manual Integrations
APPROVED

mohammad
2/13/2020 3:33:06 PM



#87

Benzo(b)fluoranthene

Concen: 6.681 ng/ul

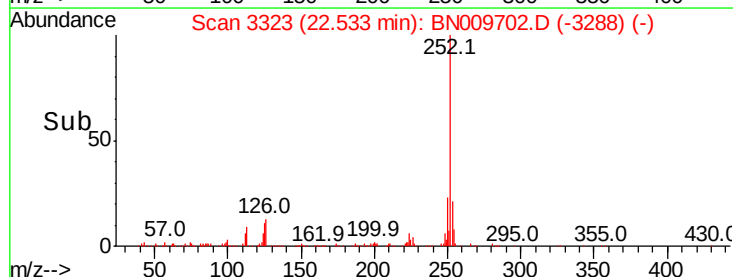
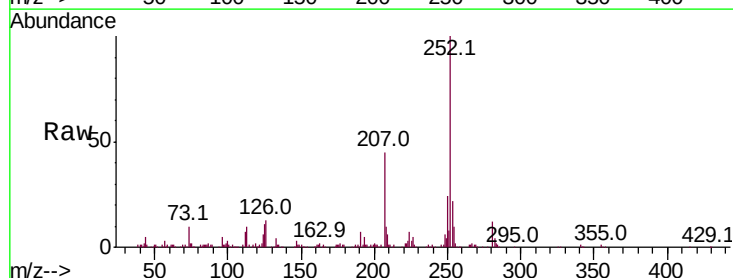
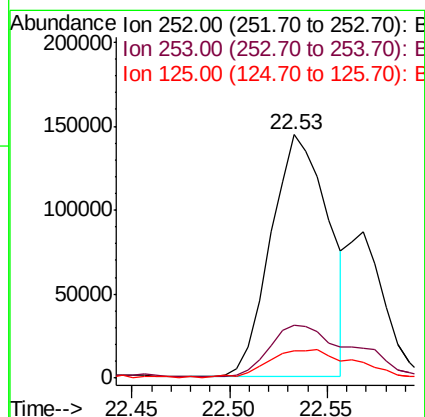
RT: 22.53 min Scan# 3323

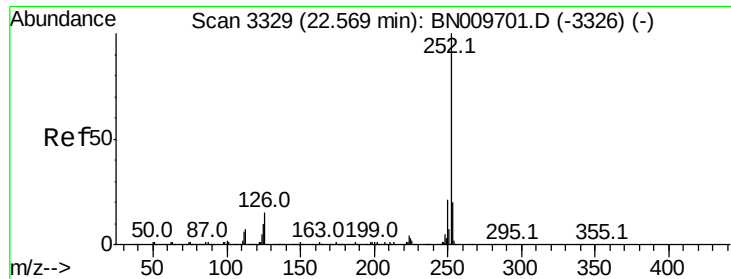
Delta R.T. 0.01 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

Tgt Ion:	252	Resp:	295582
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.0	25.6
125	11.5	8.2	12.2





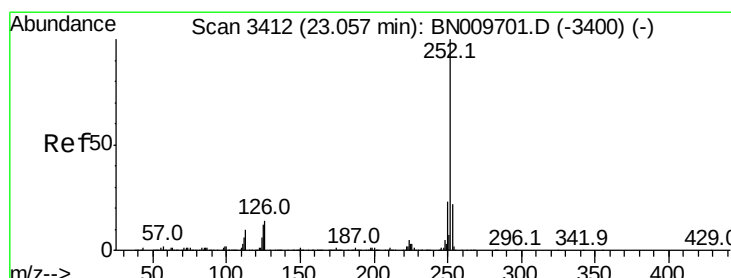
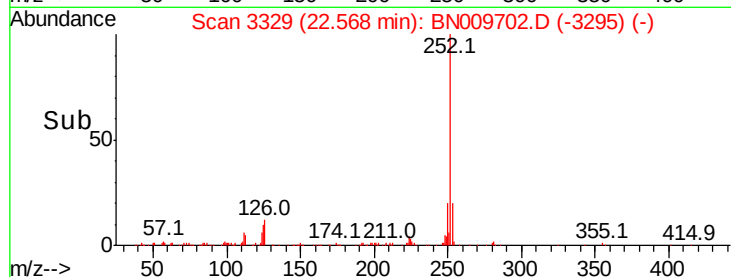
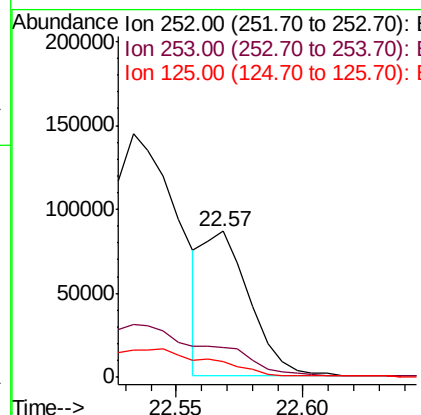
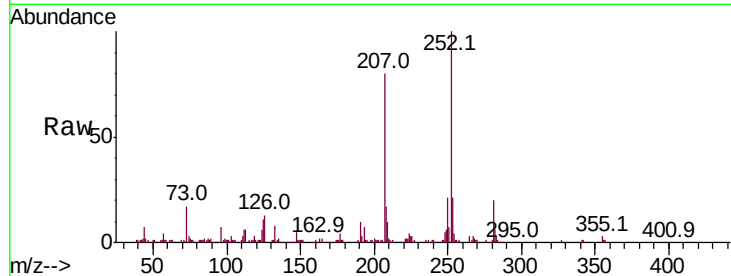
#88
Benzo(k)fluoranthene
Concen: 2.463 ng/ul
RT: 22.57 min Scan# 3329
Delta R.T. -0.00 min
Lab File: BN009702.D
Acq: 11 Feb 2020 11:51

Instrument :
BNA_N
ClientSampleId :
GAT61MEDL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	107320		
253	20.5	17.0	25.4	
125	11.2	8.0	12.0	

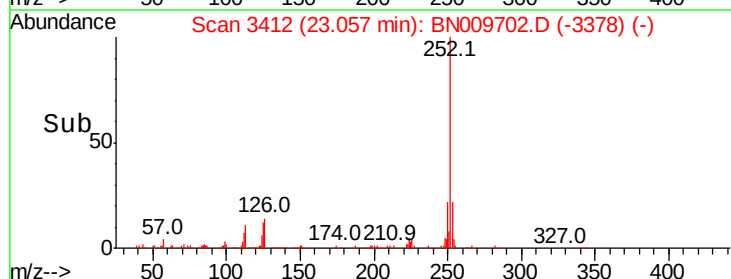
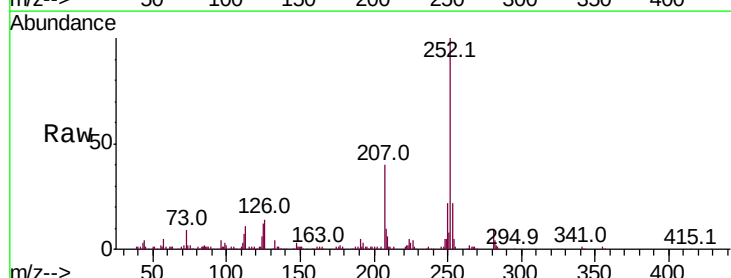
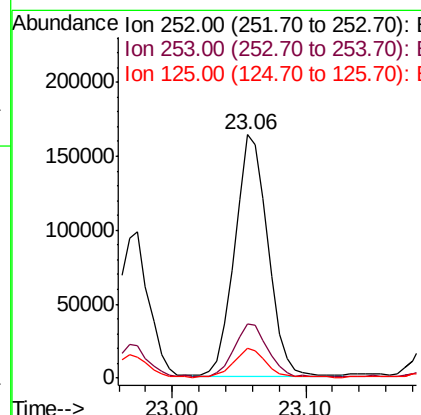
Manual Integrations
APPROVED

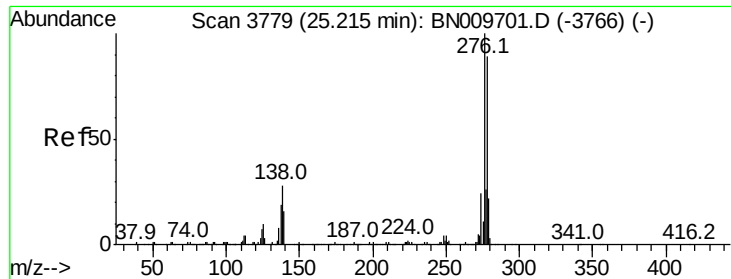
mohammad
2/13/2020 3:33:06 PM



#90
Benzo(a)pyrene
Concen: 6.862 ng/ul
RT: 23.06 min Scan# 3412
Delta R.T. -0.00 min
Lab File: BN009702.D
Acq: 11 Feb 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	281292		
253	22.2	15.8	23.8	
125	12.1	8.7	13.1	





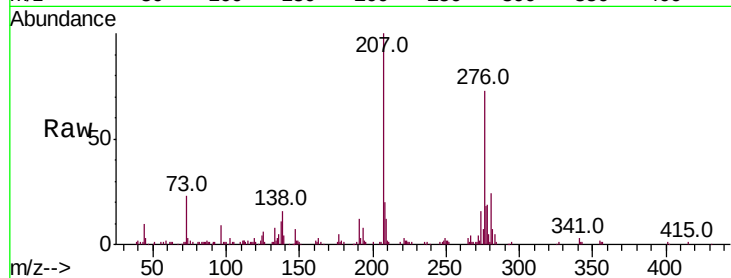
#91
Indeno(1,2,3-cd)pyrene
Concen: 2.699 ng/ul
RT: 25.21 min Scan# 3778
Delta R.T. -0.01 min
Lab File: BN009702.D
Acq: 11 Feb 2020 11:51

Instrument :
BNA_N
ClientSampleId :
GAT61MEDL

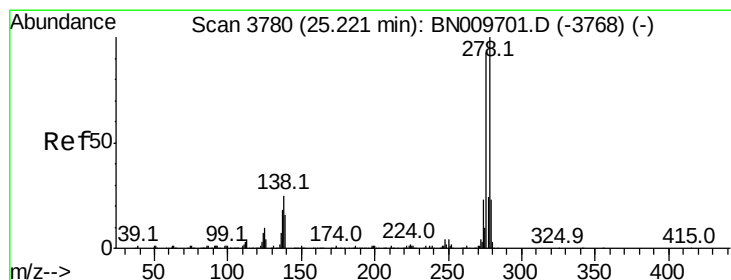
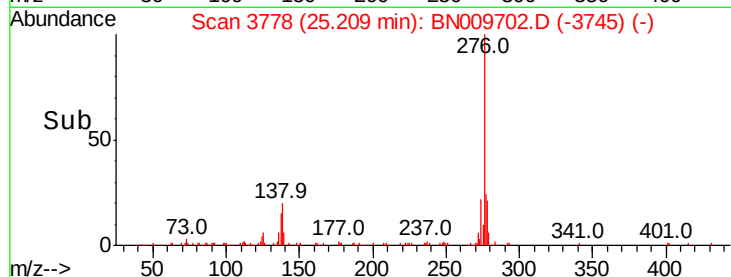
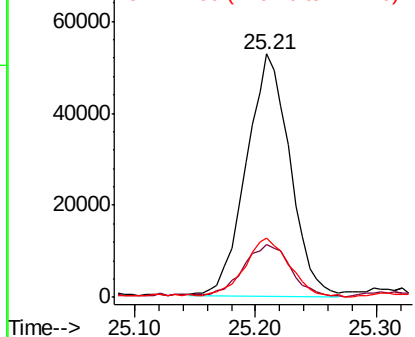
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	20.3	30.5
277	24.5	21.2	31.8

Manual Integrations
APPROVED

mohammad
2/13/2020 3:33:06 PM



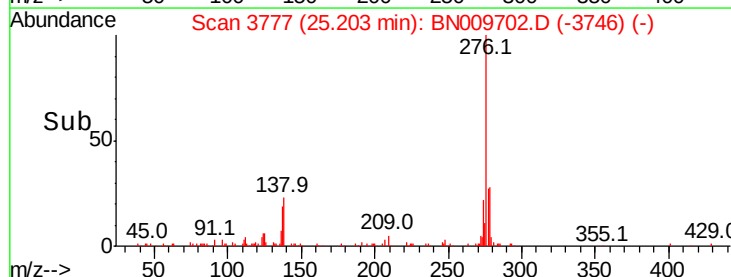
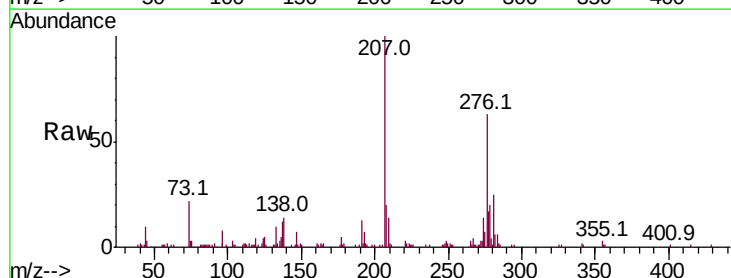
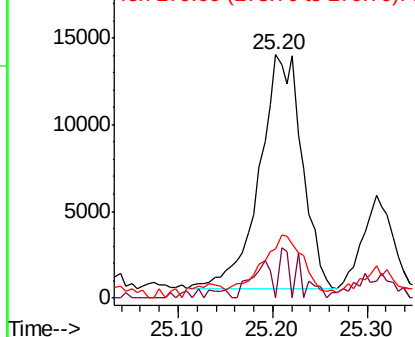
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

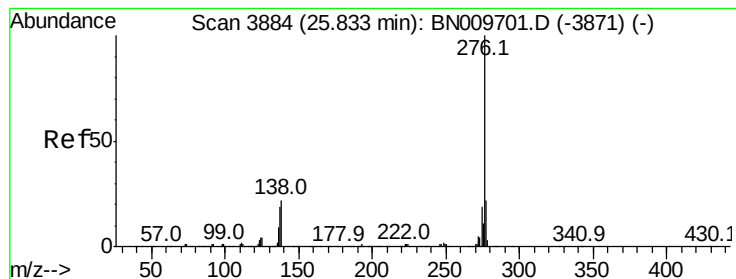


#92
Dibenzo(a,h)anthracene
Concen: 1.025 ng/ul m
RT: 25.20 min Scan# 3777
Delta R.T. -0.02 min
Lab File: BN009702.D
Acq: 11 Feb 2020 11:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	20.0	19.8	29.8

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(a,h,i)perylene

Concen: 2.919 ng/ul

RT: 25.83 min Scan# 3884

Delta R.T. -0.00 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

Instrument :

BNA_N

ClientSampleId :

GAT61MEDL

Tot Ion:	276	Resp:	119234
Ion Ratio	Lower	Upper	
276	100		
138	22.0	16.0	24.0
277	20.7	17.0	25.6

Manual Integrations
APPROVED

mohammad
2/13/2020 3:33:06 PM

