

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
 Data File : BN009690.D
 Acq On : 10 Feb 2020 18:00
 Operator : CG/JU
 Sample : L1324-03DL2 20X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAT60DL2

Manual Integrations
 APPROVED

mohammad
 2/12/2020 9:51:32 AM

Quant Time: Feb 11 04:00:55 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	129160	20.00	ng/ul	0.00
18) Naphthalene-d8	10.18	136	558135	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.06	164	354209	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.82	188	742561	20.00	ng/ul	0.00
77) Chrysene-d12	21.03	240	701406	20.00	ng/ul	-0.01
85) Perylene-d12	23.14	264	709055	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.65	99	7098	0.63	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.80	67	4859	0.64	ng/ul	0.01
9) 2-Chlorophenol-d4	6.98	132	5360	0.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	5059	0.56	ng/ul	0.02
19) Nitrobenzene-d5	8.59	128	2252m	0.54	ng/ul	0.02
22) 2-Nitrophenol-d4	9.29	143	2584	0.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	4239	0.49	ng/ul	0.02
29) 4-Chloroaniline-d4	10.36	131	3788	0.41	ng/ul	0.02
43) Dimethylphthalate-d6	13.50	166	21413	0.83	ng/ul	0.00
46) Acenaphthylene-d8	13.75	160	24021	0.77	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.07	176	19479	0.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.25	200	862	0.19	ng/ul	0.03
70) Anthracene-d10	16.92	188	30964	0.92	ng/ul	0.00
78) Pyrene-d10	19.23	212	32533	0.88	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.01	264	31341	0.90	ng/ul	-0.02

Target Compounds

					Ovalue
28) Naphthalene	10.23	128	1305578	43.135	ng/ul 99
34) 2-Methylnaphthalene	11.85	142	353300	16.680	ng/ul 99
40) 1,1'-Biphenyl	12.89	154	73664	2.671	ng/ul 95
47) Acenaphthylene	13.78	152	235786	6.896	ng/ul 95
49) Acenaphthene	14.13	153	23264	1.001	ng/ul 94
58) Fluorene	15.13	166	144236	5.332	ng/ul 100
69) Phenanthrene	16.86	178	1154000	27.251	ng/ul 99
71) Anthracene	16.96	178	245668	5.717	ng/ul 100
76) Fluoranthene	18.89	202	491326	10.166	ng/ul 100
79) Pyrene	19.26	202	711818	13.902	ng/ul 97
82) Benzo(a)anthracene	21.02	228	232934	4.810	ng/ul 95
84) Chrysene	21.07	228	203910	4.229	ng/ul 97
87) Benzo(b)fluoranthene	22.53	252	142597	3.214	ng/ul 98
88) Benzo(k)fluoranthene	22.56	252	60135m	1.376	ng/ul
90) Benzo(a)pyrene	23.05	252	171517	4.173	ng/ul 93
91) Indeno(1,2,3-cd)pyrene	25.20	276	69501	1.422	ng/ul 98
93) Benzo(g,h,i)perylene	25.83	276	75824	1.851	ng/ul 98

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

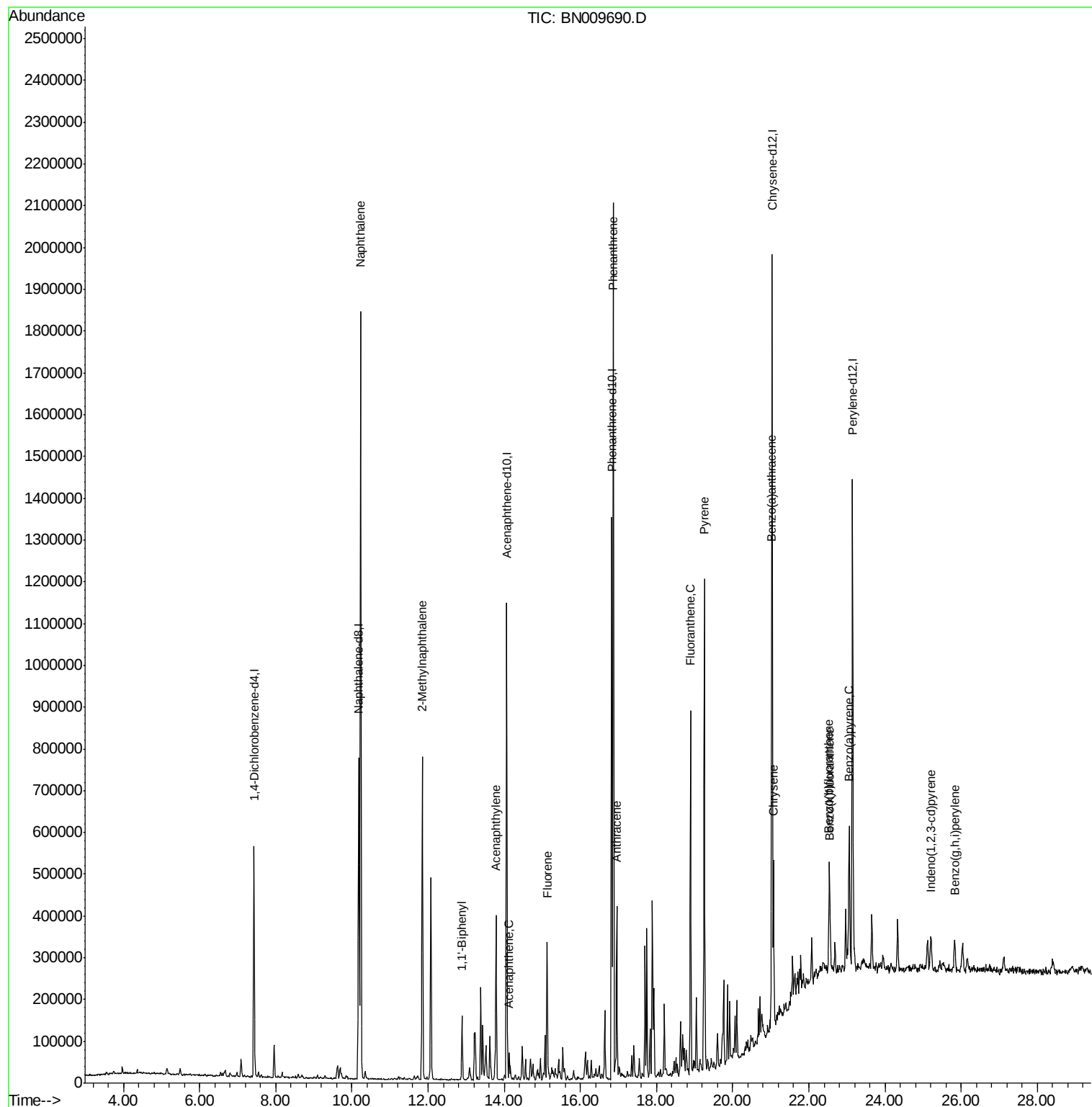
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021020\
Data File : BN009690.D
Acq On : 10 Feb 2020 18:00
Operator : CG/JU
Sample : L1324-03DL2 20X
Misc :
ALS Vial : 13 Sample Multiplier: 1

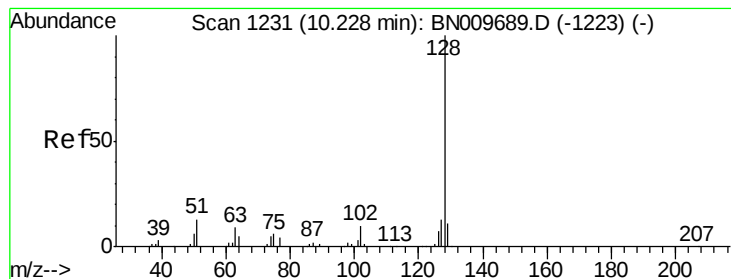
Instrument :
BNA_N
ClientSampleId :
GAT60DL2

Manual Integrations
APPROVED

mohammad
2/12/2020 9:51:32 AM

Quant Time: Feb 11 04:00:55 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





#28

Naphthalene

Concen: 43.135 ng/ul

RT: 10.23 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BN009690.D

Acq: 10 Feb 2020 18:00

Instrument :

BNA_N

ClientSampled :

GAT60DL2

Tot Ion:128 Resp: 1305578

Ion Ratio Lower Upper

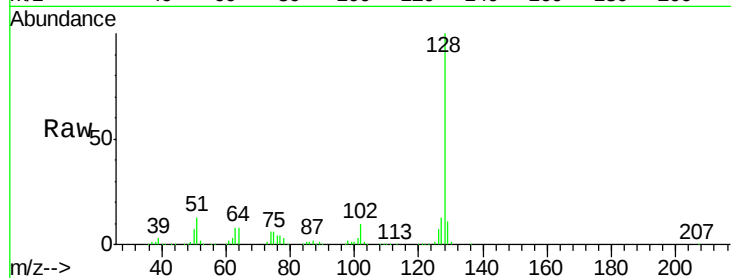
128 100

129 10.8 8.7 13.1

127 13.1 10.7 16.1

Manual Integrations
APPROVED

mohammad
2/12/2020 9:51:32 AM



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

10.23

800000

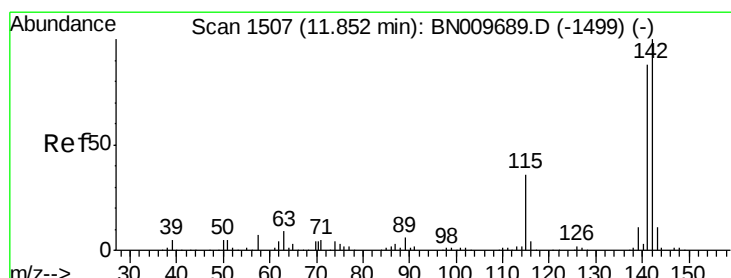
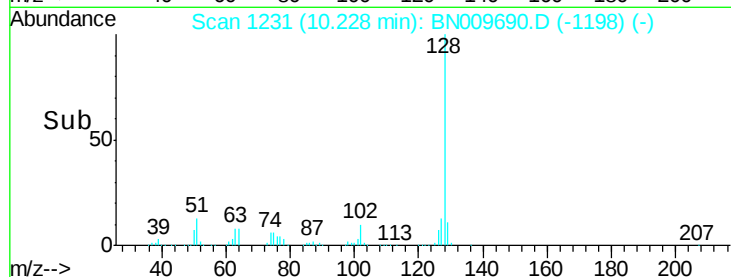
600000

400000

200000

0

10.15 10.20 10.25 10.30



#34

2-Methylnaphthalene

Concen: 16.680 ng/ul

RT: 11.85 min Scan# 1506

Delta R.T. -0.01 min

Lab File: BN009690.D

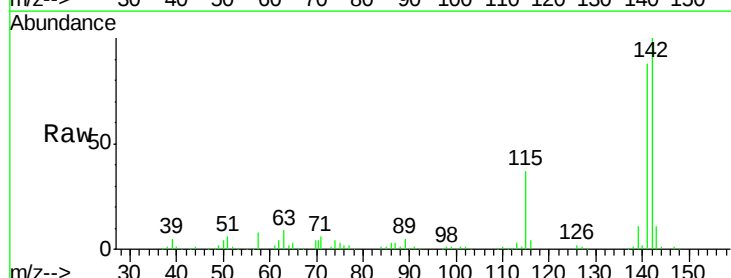
Acq: 10 Feb 2020 18:00

Tgt Ion:142 Resp: 353300

Ion Ratio Lower Upper

142 100

141 88.5 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

250000

200000

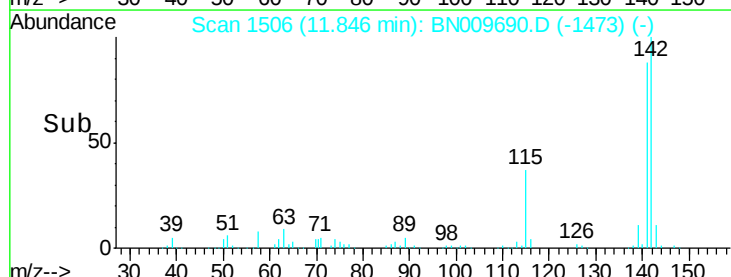
150000

100000

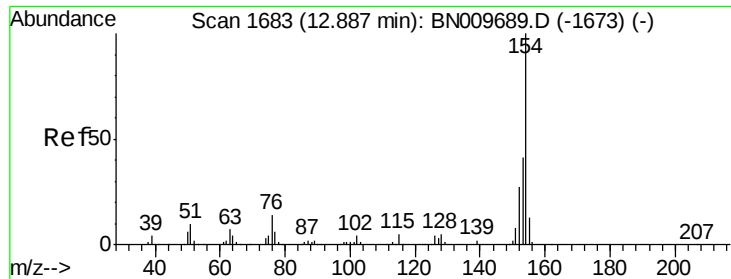
50000

0

11.80 11.85 11.90



Time-->



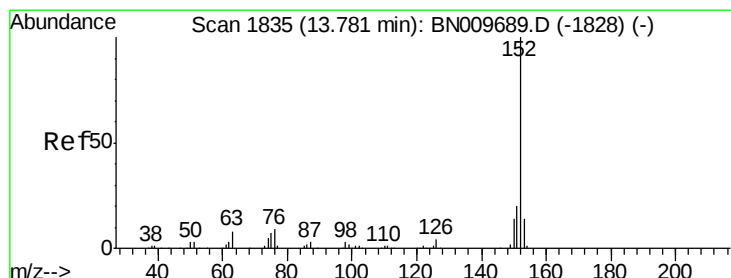
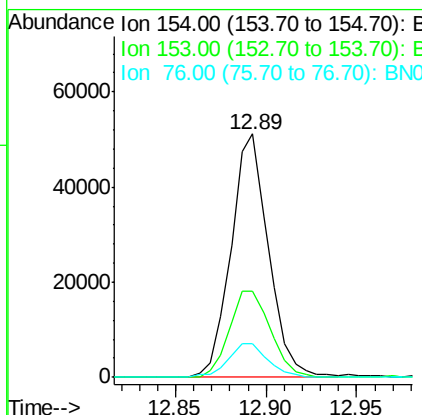
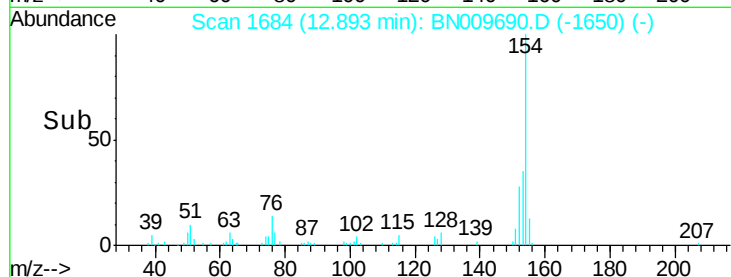
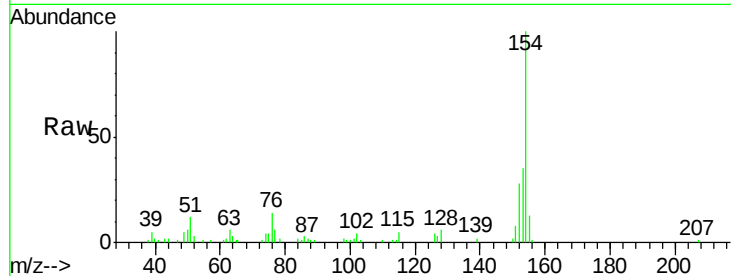
#40
 1,1'-Biphenyl
 Concen: 2.671 ng/ul
 RT: 12.89 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: BN009690.D
 Acq: 10 Feb 2020 18:00

Instrument :
 BNA_N
 ClientSampleId :
 GAT60DL2

Tot Ion:	154	Resp:	73664
Ion Ratio	Lower	Upper	
154	100		
153	35.5	31.2	46.8
76	13.6	11.4	17.2

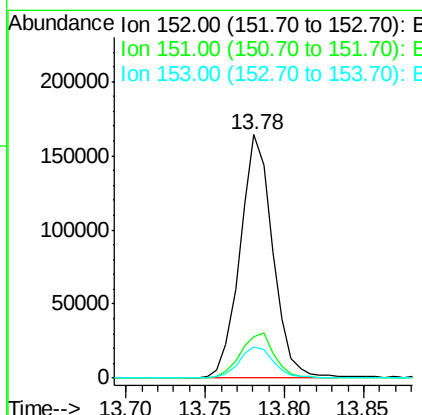
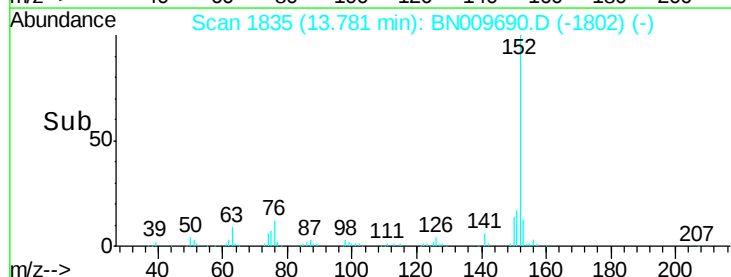
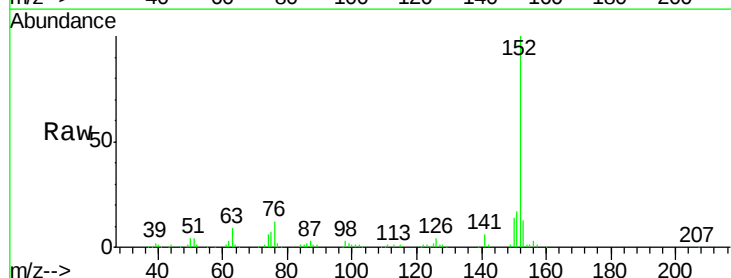
Manual Integrations
 APPROVED

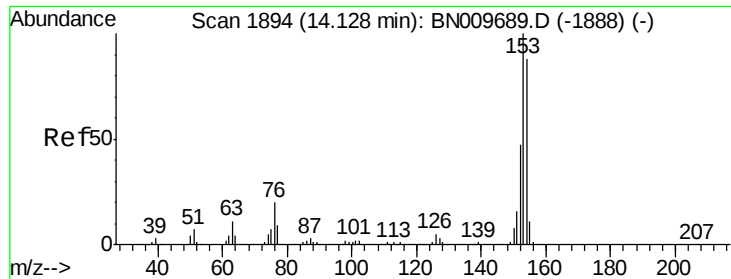
mohammad
 2/12/2020 9:51:32 AM



#47
 Acenaphthylene
 Concen: 6.896 ng/ul
 RT: 13.78 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: BN009690.D
 Acq: 10 Feb 2020 18:00

Tgt Ion:	152	Resp:	235786
Ion Ratio	Lower	Upper	
152	100		
151	16.7	16.2	24.2
153	13.0	10.6	15.8





#49

Acenaphthene

Concen: 1.001 ng/ul

RT: 14.13 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN009690.D

Acq: 10 Feb 2020 18:00

Instrument :

BNA_N

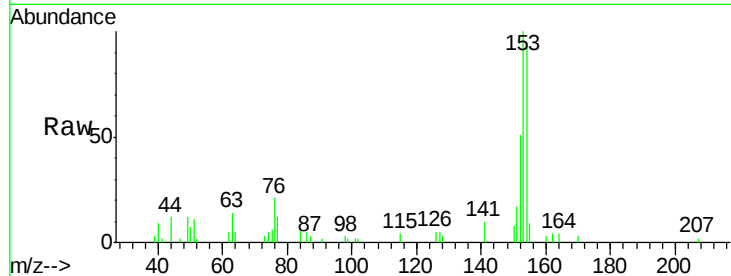
ClientSampleId :

GAT60DL2

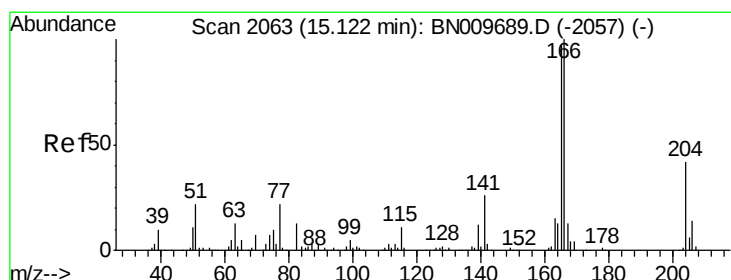
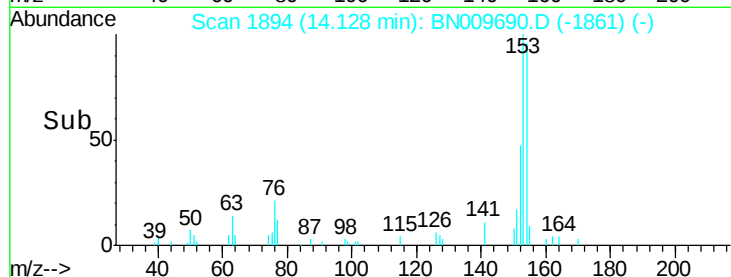
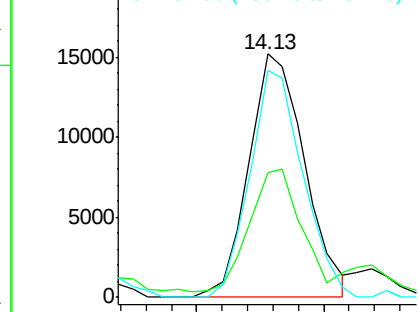
Tot Ion:153	Resp:	23264
Ion Ratio	Lower	Upper
153	100	
152	51.0	37.3 55.9
154	93.5	70.2 105.2

Manual Integrations
APPROVED

mohammad
2/12/2020 9:51:32 AM



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



#58

Fluorene

Concen: 5.332 ng/ul

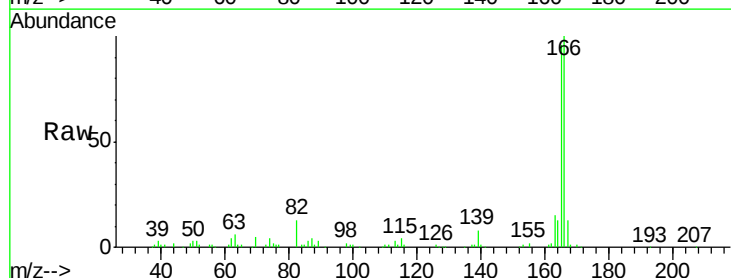
RT: 15.13 min Scan# 2064

Delta R.T. -0.01 min

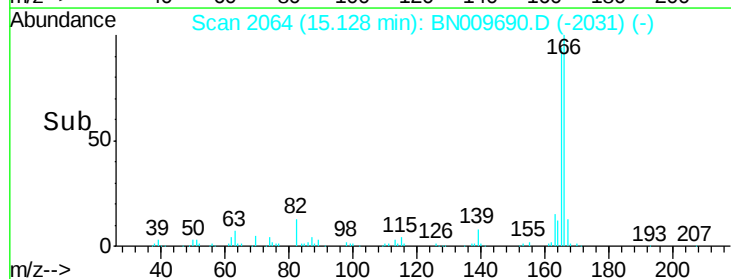
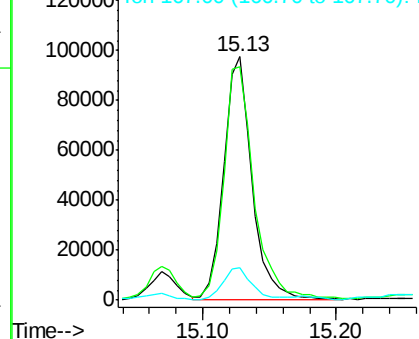
Lab File: BN009690.D

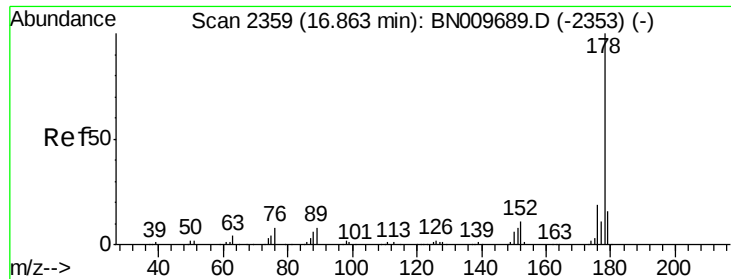
Acq: 10 Feb 2020 18:00

Tgt Ion:166	Resp:	144236
Ion Ratio	Lower	Upper
166	100	
165	96.1	76.7 115.1
167	13.1	11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





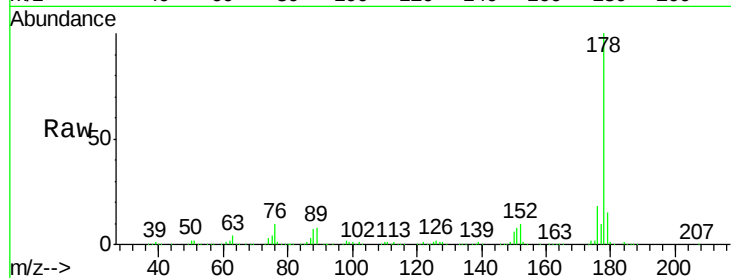
#69
Phenanthrene
Concen: 27.251 ng/ul
RT: 16.86 min Scan# 2359
Delta R.T. -0.01 min
Lab File: BN009690.D
Acq: 10 Feb 2020 18:00

Instrument :
BNA_N
ClientSampleId :
GAT60DL2

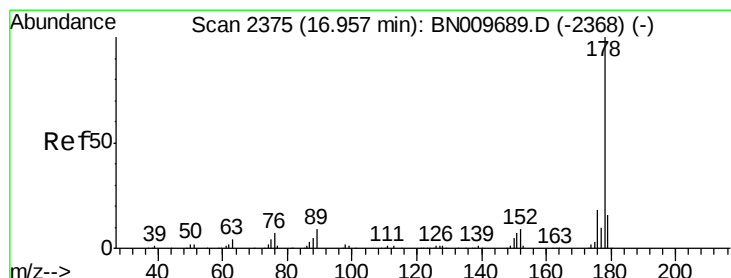
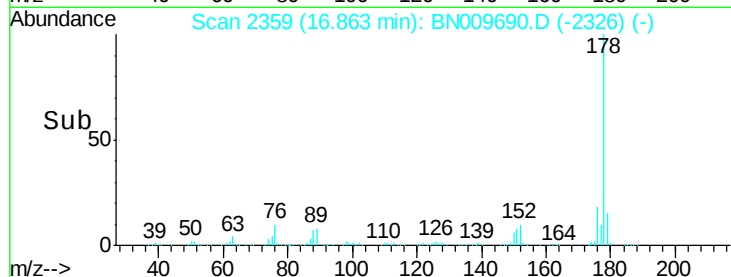
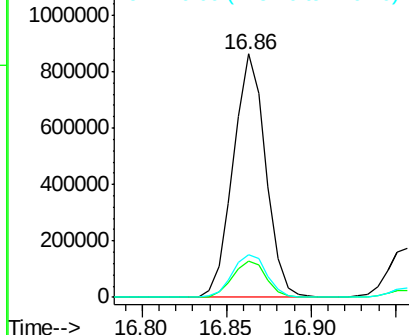
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.2	18.2
176	17.8	14.8	22.2

Manual Integrations
APPROVED

mohammad
2/12/2020 9:51:32 AM



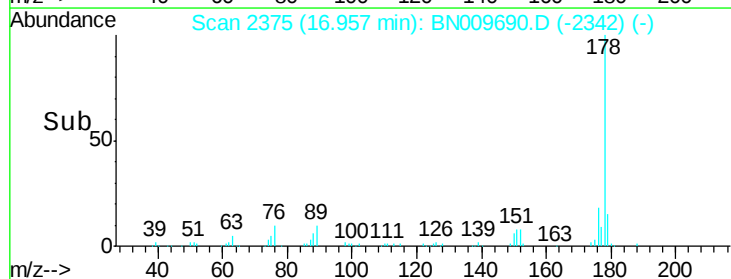
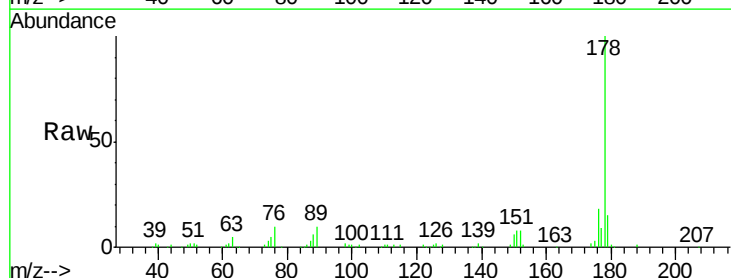
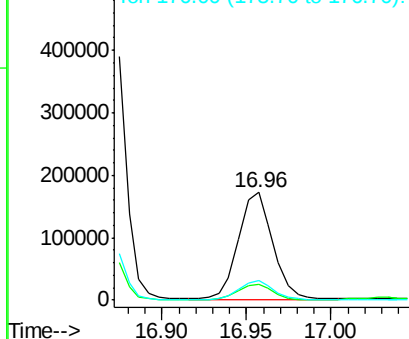
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

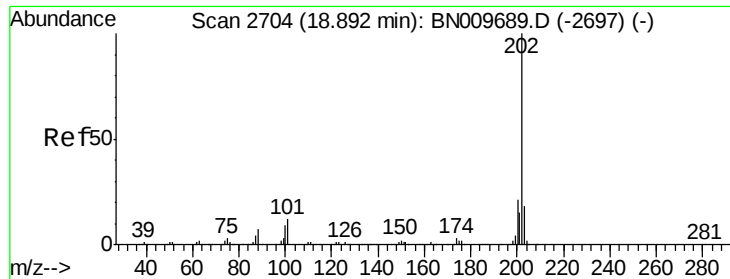


#71
Anthracene
Concen: 5.717 ng/ul
RT: 16.96 min Scan# 2375
Delta R.T. -0.01 min
Lab File: BN009690.D
Acq: 10 Feb 2020 18:00

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.1	18.1
176	18.1	14.6	21.8

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: 10.166 ng/ul

RT: 18.89 min Scan# 2704

Delta R.T. -0.01 min

Lab File: BN009690.D

Acq: 10 Feb 2020 18:00

Instrument :

BNA_N

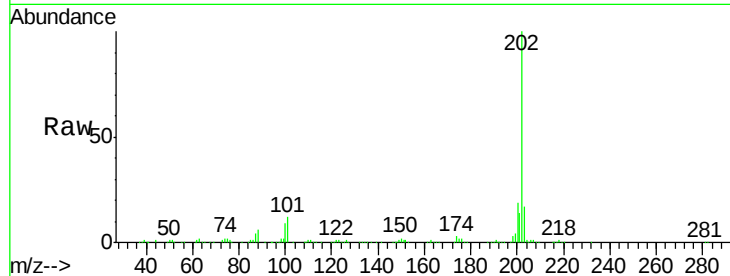
ClientSampleId :

GAT60DL2

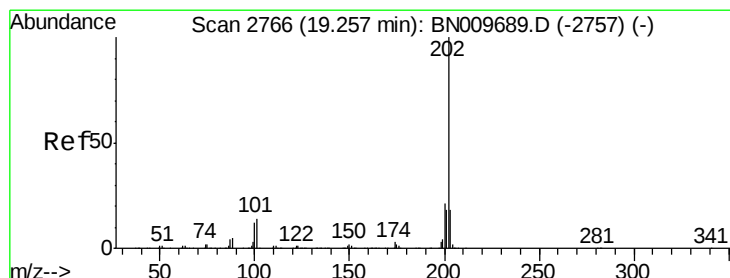
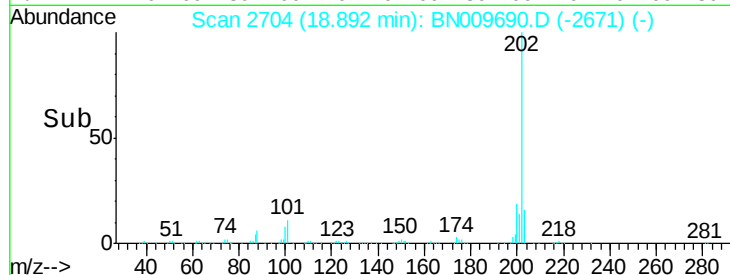
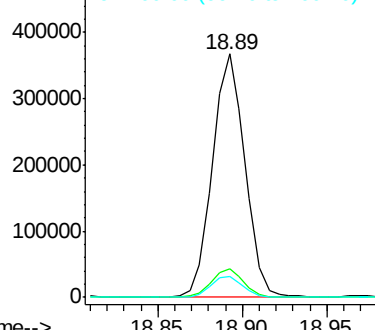
Tot Ion:	202	Resp:	491326
Ion Ratio	Lower	Upper	
202	100		
101	11.8	9.2	13.8
100	8.6	6.9	10.3

Manual Integrations
APPROVED

mohammad
2/12/2020 9:51:32 AM



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: 13.902 ng/ul

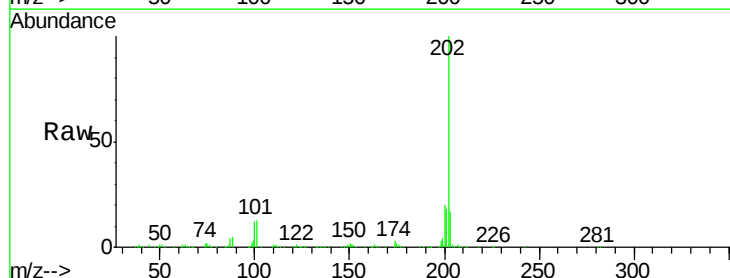
RT: 19.26 min Scan# 2766

Delta R.T. -0.01 min

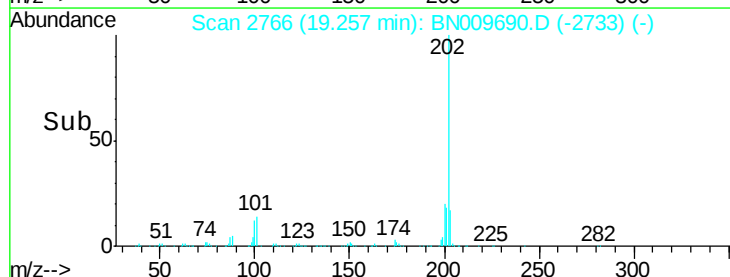
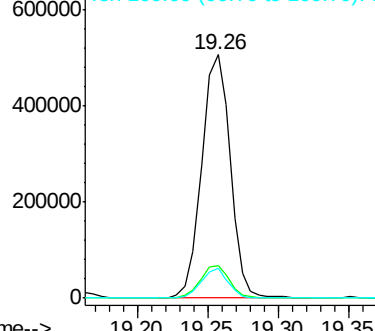
Lab File: BN009690.D

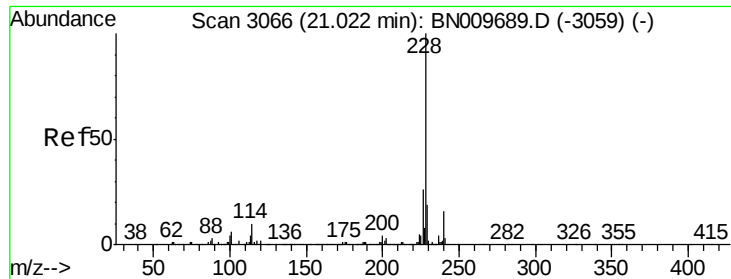
Acq: 10 Feb 2020 18:00

Tgt Ion:	202	Resp:	711818
Ion Ratio	Lower	Upper	
202	100		
101	13.5	10.3	15.5
100	12.1	8.4	12.6



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: 4.810 ng/ul

RT: 21.02 min Scan# 3065

Delta R.T. -0.02 min

Lab File: BN009690.D

Acq: 10 Feb 2020 18:00

Instrument :

BNA_N

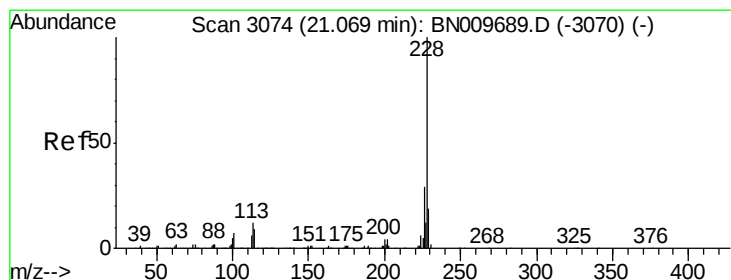
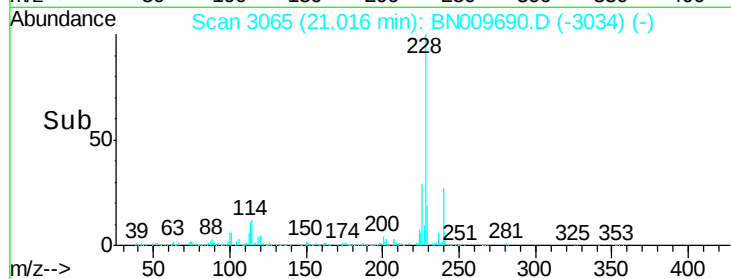
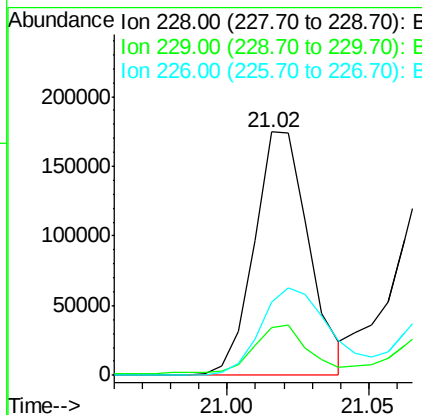
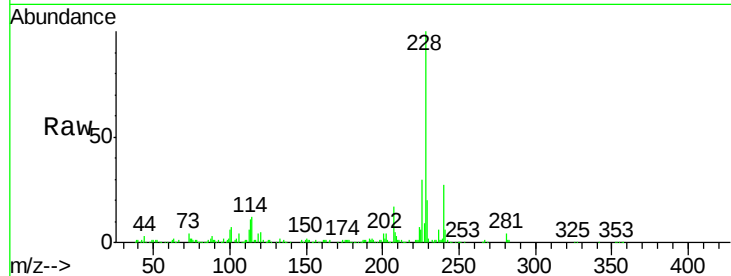
ClientSampleId :

GAT60DL2

Tot Ion:	228	Resp:	232934
Ion Ratio	Lower	Upper	
228	100		
229	19.6	15.0	22.4
226	30.0	20.9	31.3

Manual Integrations
APPROVED

mohammad
2/12/2020 9:51:32 AM



#84

Chrysene

Concen: 4.229 ng/ul

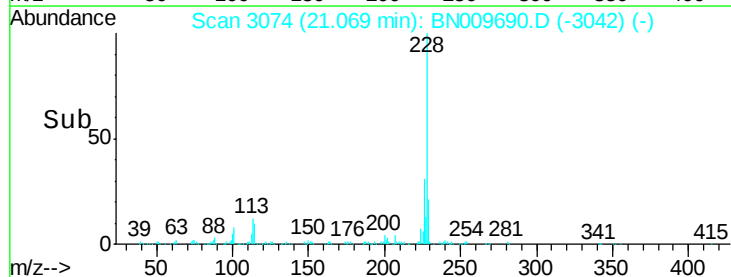
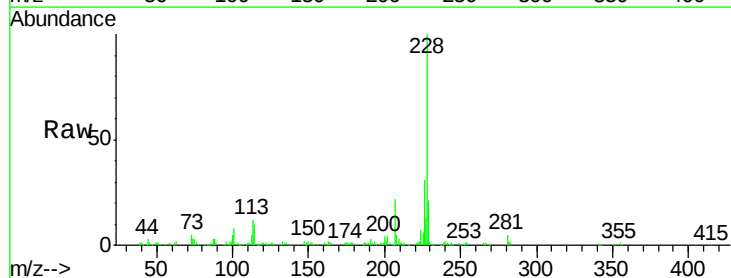
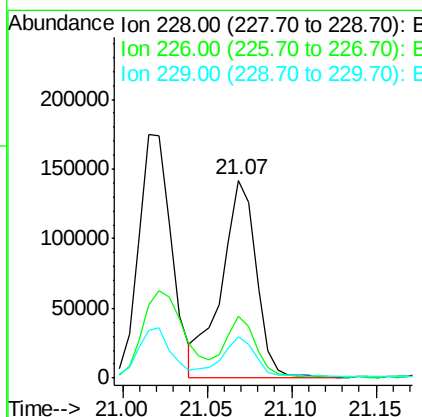
RT: 21.07 min Scan# 3074

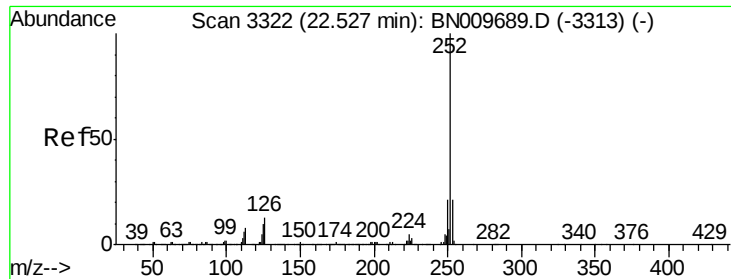
Delta R.T. -0.01 min

Lab File: BN009690.D

Acq: 10 Feb 2020 18:00

Tgt Ion:	228	Resp:	203910
Ion Ratio	Lower	Upper	
228	100		
226	31.0	23.5	35.3
229	20.9	15.8	23.8





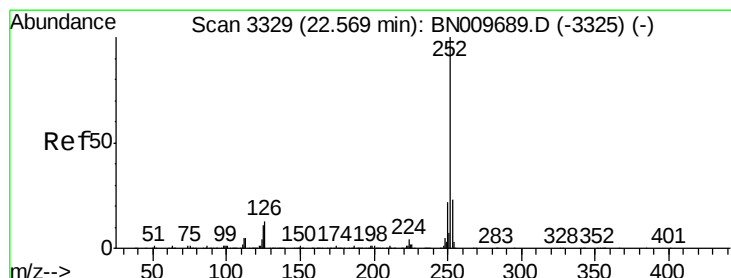
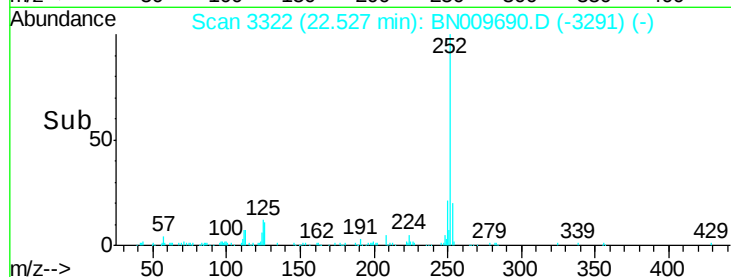
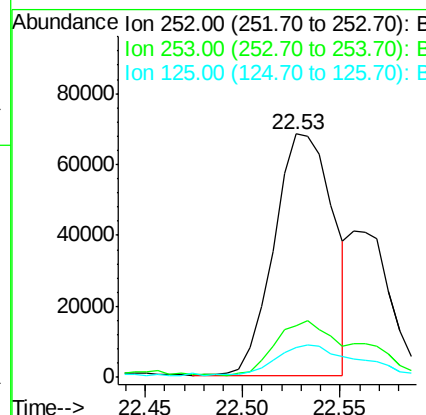
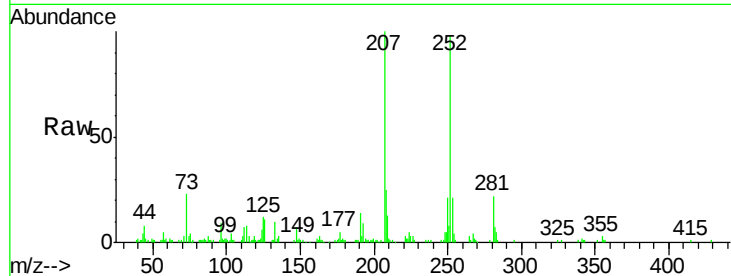
#87
Benzo(b)fluoranthene
Concen: 3.214 ng/ul
RT: 22.53 min Scan# 3322
Delta R.T. -0.02 min
Lab File: BN009690.D
Acq: 10 Feb 2020 18:00

Instrument :
BNA_N
ClientSampleId :
GAT60DL2

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.6
125	12.2	8.2	12.2

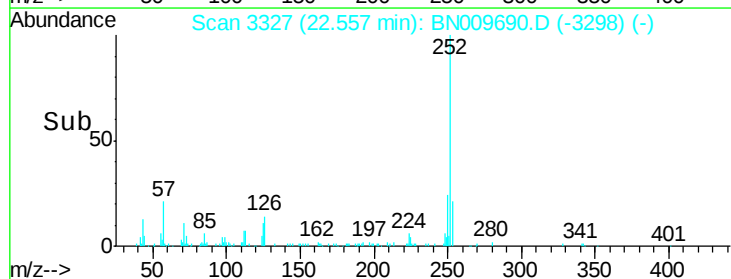
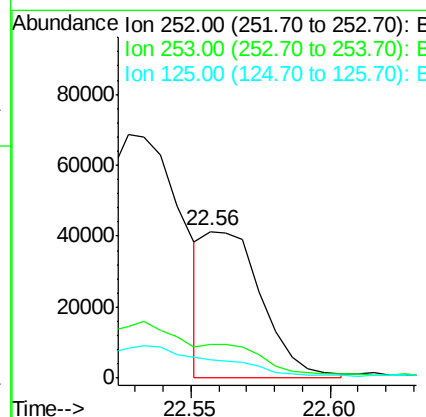
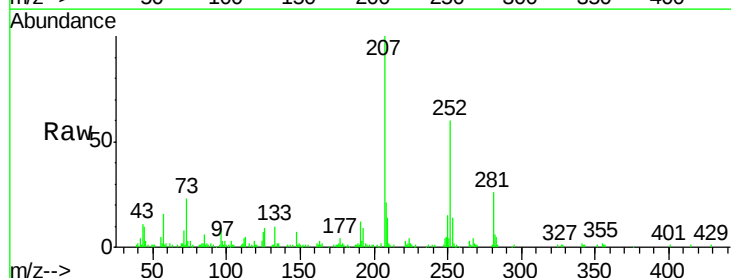
Manual Integrations
APPROVED

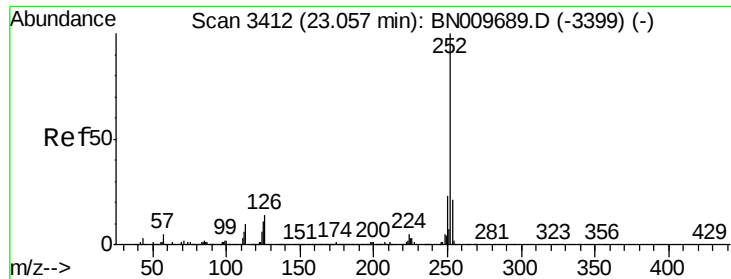
mohammad
2/12/2020 9:51:32 AM



#88
Benzo(k)fluoranthene
Concen: 1.376 ng/ul m
RT: 22.56 min Scan# 3327
Delta R.T. -0.03 min
Lab File: BN009690.D
Acq: 10 Feb 2020 18:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	12.1	8.0	12.0#





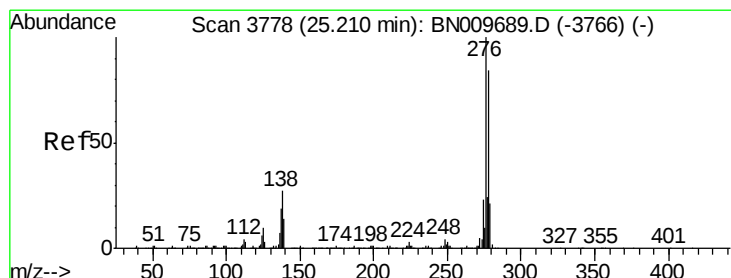
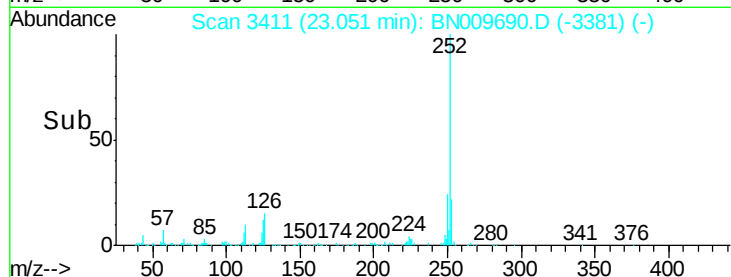
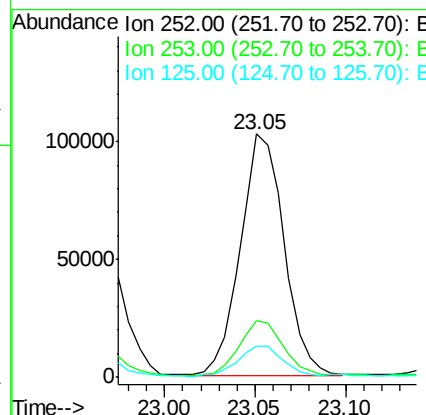
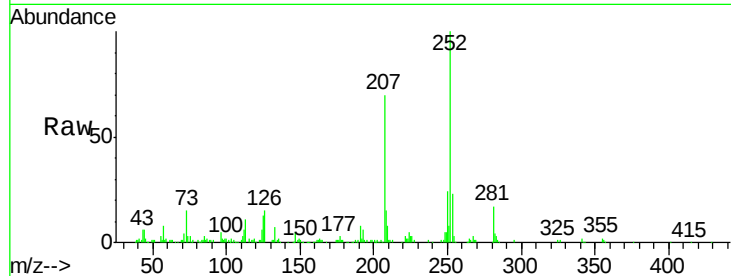
#90
Benzo(a)pyrene
Concen: 4.173 ng/ul
RT: 23.05 min Scan# 3411
Delta R.T. -0.02 min
Lab File: BN009690.D
Acq: 10 Feb 2020 18:00

Instrument :
BNA_N
ClientSampled :
GAT60DL2

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.2	15.8	23.8
125	12.7	8.7	13.1

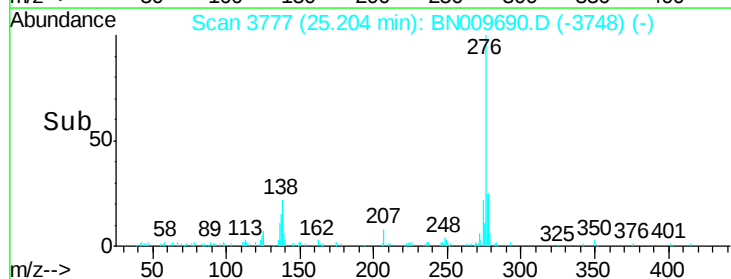
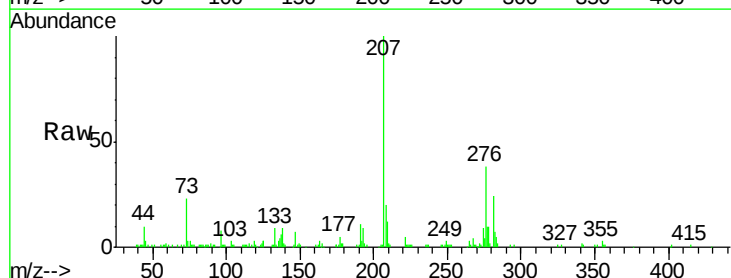
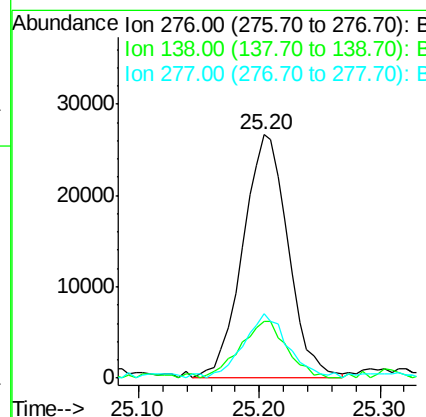
Manual Integrations
APPROVED

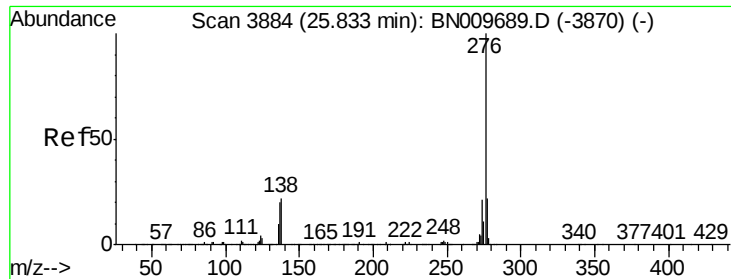
mohammad
2/12/2020 9:51:32 AM



#91
Indeno(1,2,3-cd)pyrene
Concen: 1.422 ng/ul
RT: 25.20 min Scan# 3777
Delta R.T. -0.03 min
Lab File: BN009690.D
Acq: 10 Feb 2020 18:00

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	23.1	20.3	30.5
277	26.5	21.2	31.8





#93
 Benzo(a,h,i)perylene
 Concen: 1.851 ng/ul
 RT: 25.83 min Scan# 3884
 Delta R.T. -0.02 min
 Lab File: BN009690.D
 Acq: 10 Feb 2020 18:00

Instrument :
 BNA_N
 ClientSampleId :
 GAT60DL2

Tot Ion:	276	Resp:	75824
Ion Ratio	Lower	Upper	
276	100		
138	18.4	16.0	24.0
277	21.1	17.0	25.6

Manual Integrations
 APPROVED

mohammad
 2/12/2020 9:51:32 AM

