

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\
 Data File : BN009550.D
 Acq On : 04 Feb 2020 04:10
 Operator : CG/JU
 Sample : L1271-10DL2 30X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAT01DL2

Manual Integrations
 APPROVED

mohammad
 2/4/2020 6:15:09 PM

Quant Time: Feb 04 04:49:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 04 02:55:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	130278	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	550555	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.08	164	353837	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	746266	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	716261	20.00	ng/ul	0.00
85) Perylene-d12	23.15	264	791677	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.65	99	4808	0.42	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.81	67	3793	0.50	ng/ul	0.01
9) 2-Chlorophenol-d4	7.00	132	3367m	0.40	ng/ul	0.01
13) 4-Methylphenol-d8	8.16	113	2439	0.27	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	1812m	0.44	ng/ul	0.01
22) 2-Nitrophenol-d4	9.30	143	1597	0.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	3311	0.39	ng/ul	0.02
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	13.50	166	16832	0.65	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	16760	0.54	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
57) Fluorene-d10	15.08	176	14631	0.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	16.93	188	23467m	0.69	ng/ul	0.00
78) Pyrene-d10	19.23	212	24421	0.65	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	23878	0.61	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.24	128	1096482	36.726	ng/ul 100
34) 2-Methylnaphthalene	11.86	142	1167048	55.856	ng/ul 98
40) 1,1'-Biphenyl	12.90	154	104714	3.801	ng/ul 97
47) Acenaphthylene	13.79	152	317229	9.288	ng/ul 99
49) Acenaphthene	14.14	153	46790	2.015	ng/ul 99
53) Dibenzofuran	14.49	168	45948	1.421	ng/ul 95
58) Fluorene	15.13	166	261252	9.668	ng/ul 99
69) Phenanthrene	16.87	178	1267753	29.788	ng/ul 99
71) Anthracene	16.96	178	185020	4.285	ng/ul 98
76) Fluoranthene	18.90	202	291420	6.000	ng/ul 99
79) Pyrene	19.26	202	458911	8.777	ng/ul 97
82) Benzo(a)anthracene	21.02	228	151985	3.073	ng/ul 92
84) Chrysene	21.07	228	141438	2.873	ng/ul 99
87) Benzo(b)fluoranthene	22.54	252	77879	1.572	ng/ul 98
90) Benzo(a)pyrene	23.06	252	75546	1.646	ng/ul# 94

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

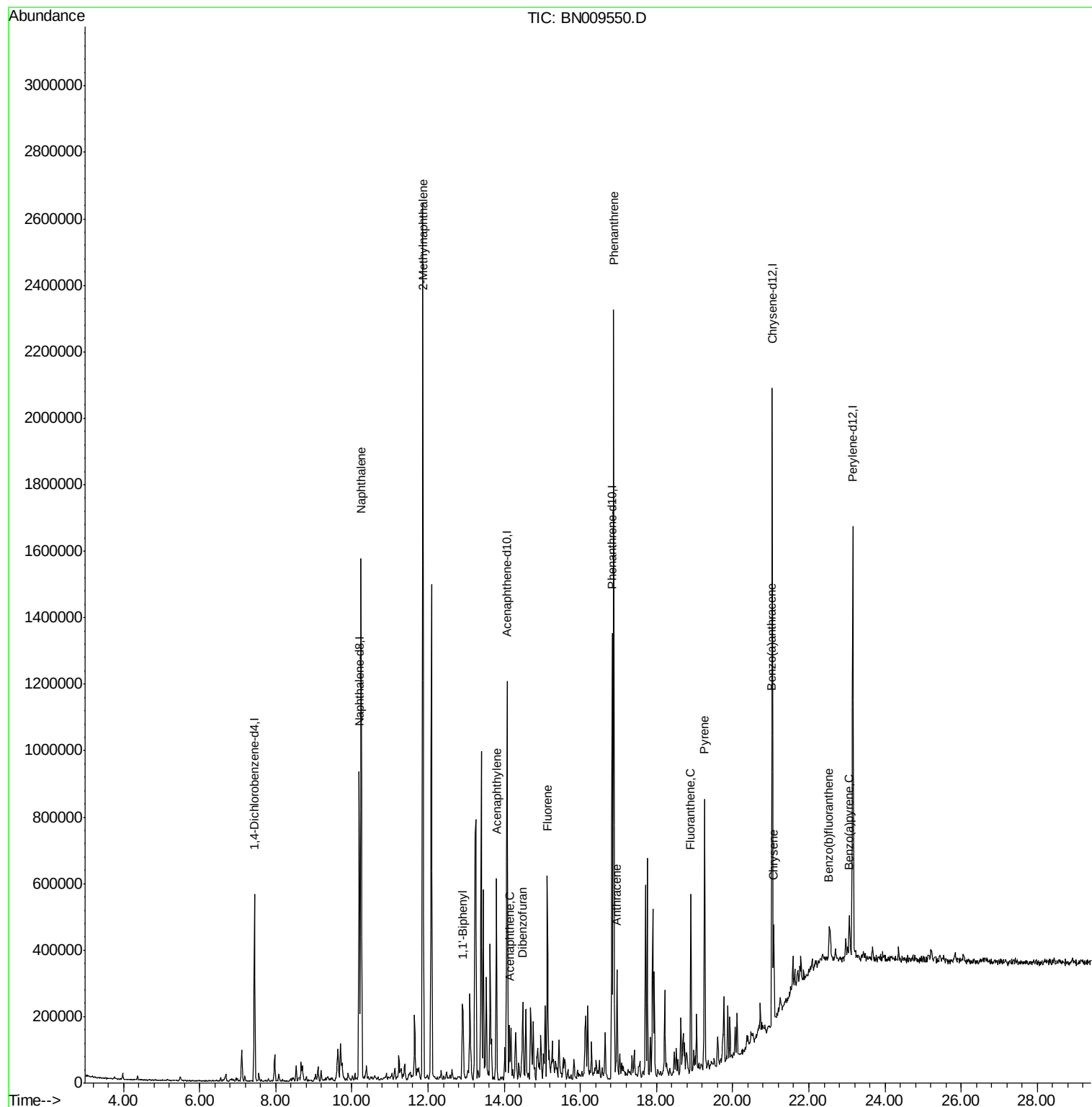
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN020320\
Data File : BN009550.D
Acq On : 04 Feb 2020 04:10
Operator : CG/JU
Sample : L1271-10DL2 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

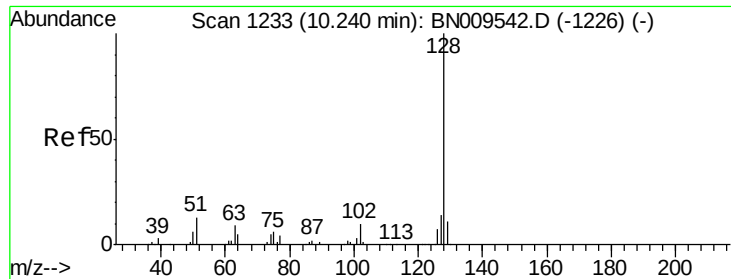
Instrument :
BNA_N
ClientSampleId :
GAT01DL2

Manual Integrations
APPROVED

mohammad
2/4/2020 6:15:09 PM

Quant Time: Feb 04 04:49:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 04 02:55:31 2020
Response via : Initial Calibration





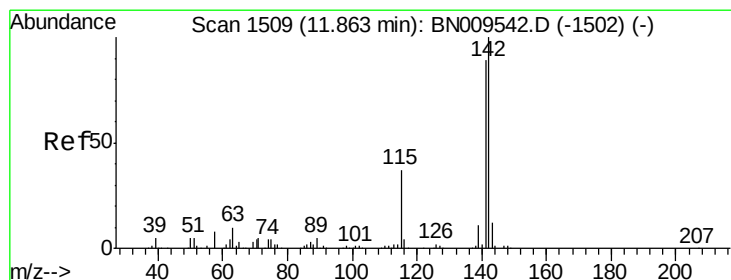
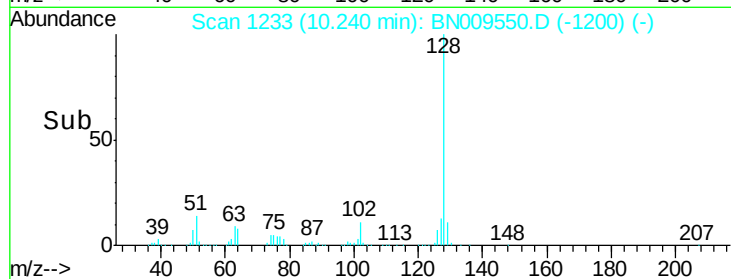
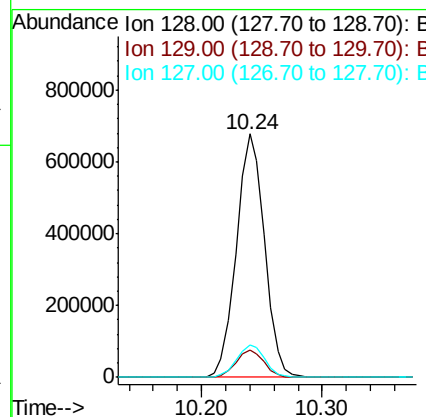
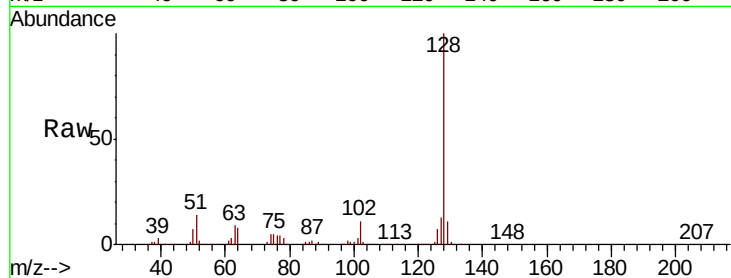
#28
Naphthalene
Concen: 36.726 ng/ul
RT: 10.24 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BN009550.D
Acq: 04 Feb 2020 04:10

Instrument :
BNA_N
ClientSampleId :
GAT01DL2

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.3	10.7	16.1

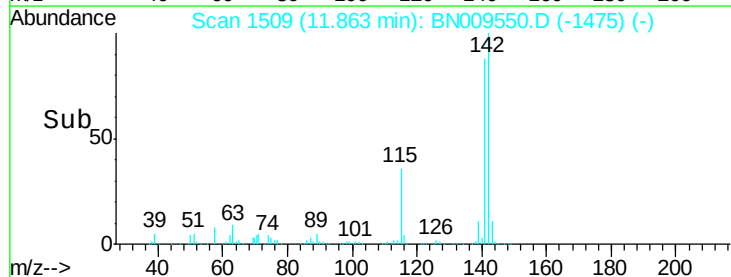
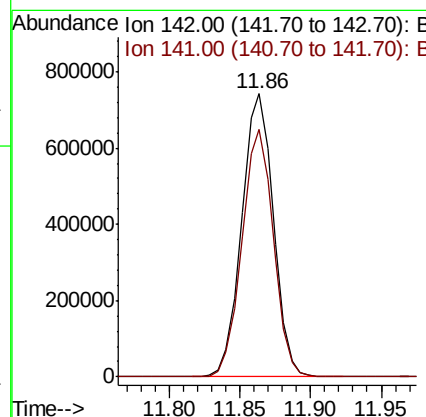
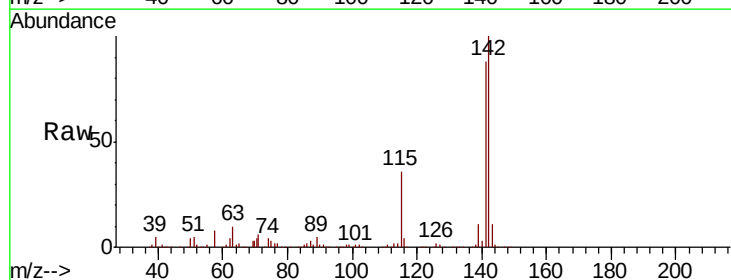
Manual Integrations
APPROVED

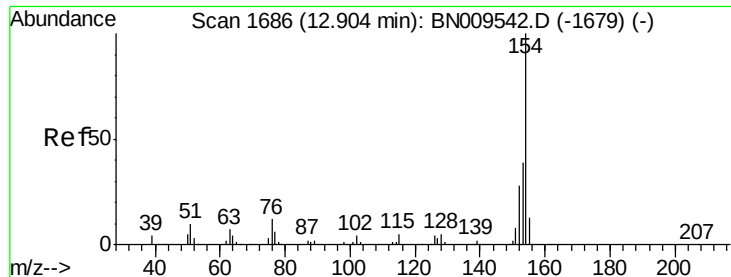
mohammad
2/4/2020 6:15:09 PM



#34
2-Methylnaphthalene
Concen: 55.856 ng/ul
RT: 11.86 min Scan# 1509
Delta R.T. 0.00 min
Lab File: BN009550.D
Acq: 04 Feb 2020 04:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.5	107.3





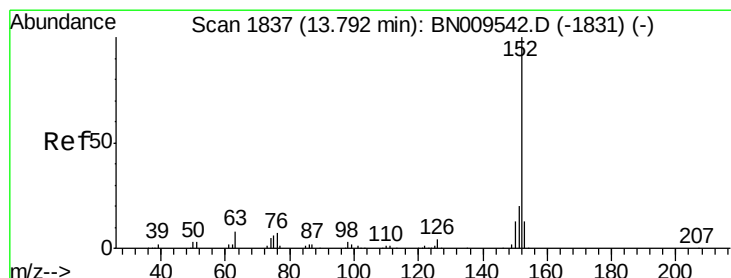
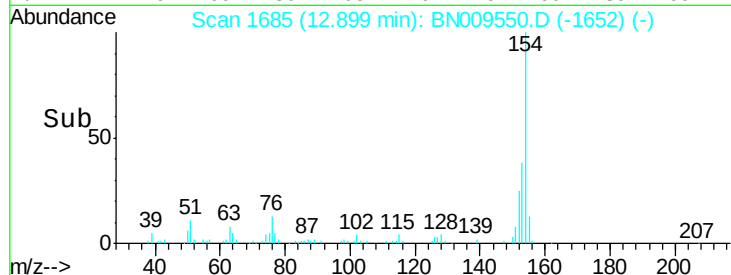
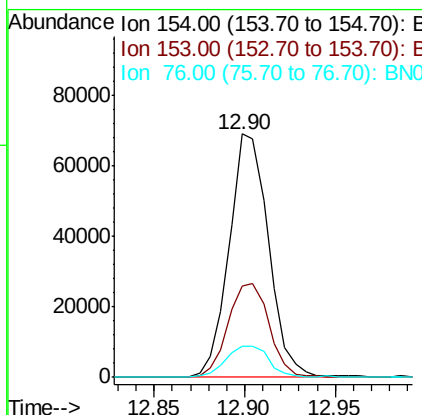
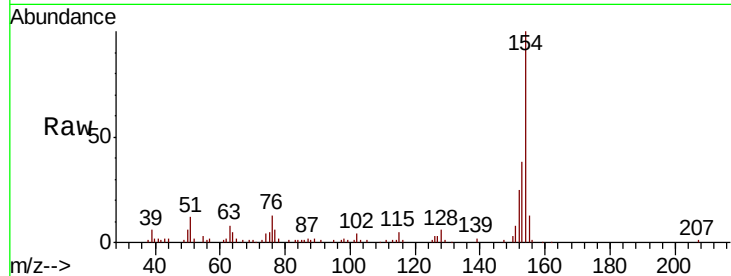
#40
 1,1'-Biphenyl
 Concen: 3.801 ng/ul
 RT: 12.90 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: BN009550.D
 Acq: 04 Feb 2020 04:10

Instrument :
 BNA_N
 ClientSampleId :
 GAT01DL2

Tot Ion:	154	Resp:	104714
Ion Ratio	Lower	Upper	
154	100		
153	37.6	31.2	46.8
76	12.8	11.4	17.2

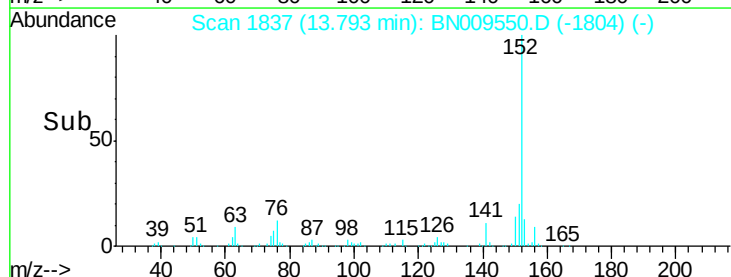
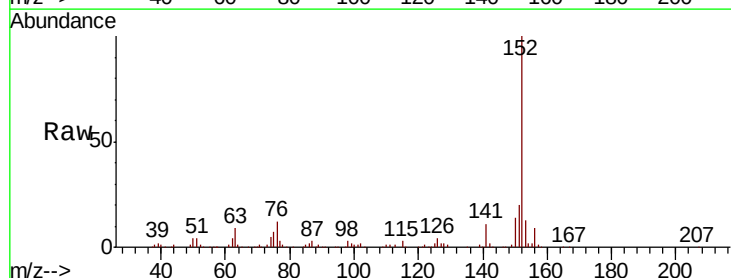
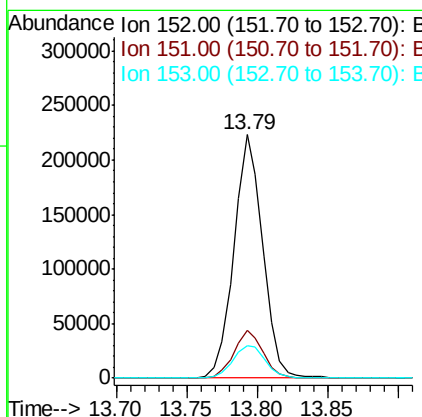
Manual Integrations
 APPROVED

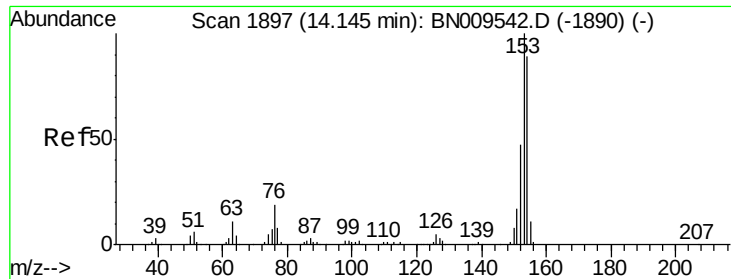
mohammad
 2/4/2020 6:15:09 PM



#47
 Acenaphthylene
 Concen: 9.288 ng/ul
 RT: 13.79 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BN009550.D
 Acq: 04 Feb 2020 04:10

Tgt Ion:	152	Resp:	317229
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.2	24.2
153	13.5	10.6	15.8





#49

Acenaphthene

Concen: 2.015 ng/ul

RT: 14.14 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN009550.D

Acq: 04 Feb 2020 04:10

Instrument :

BNA_N

ClientSampleId :

GAT01DL2

Tot Ion:153 Resp: 46790

Ion Ratio Lower Upper

153 100

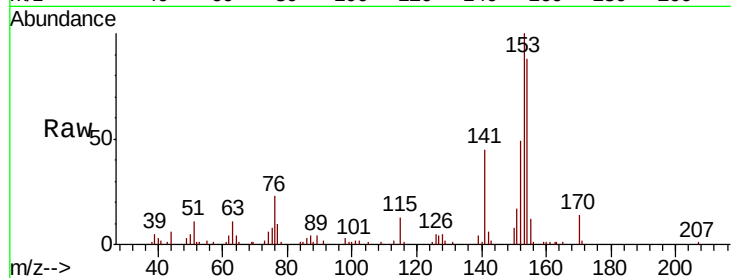
152 49.1 37.3 55.9

154 87.8 70.2 105.2

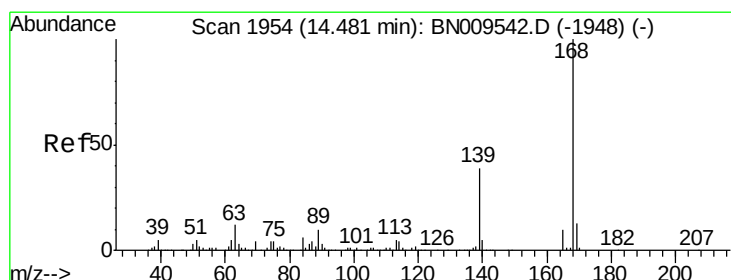
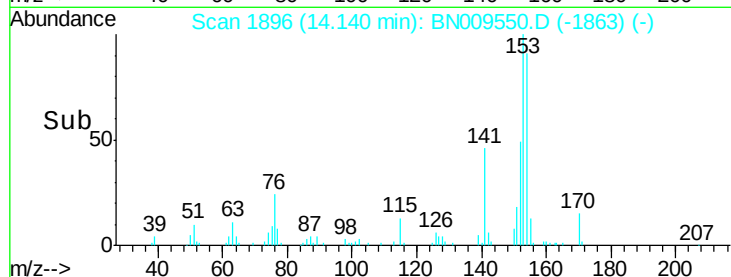
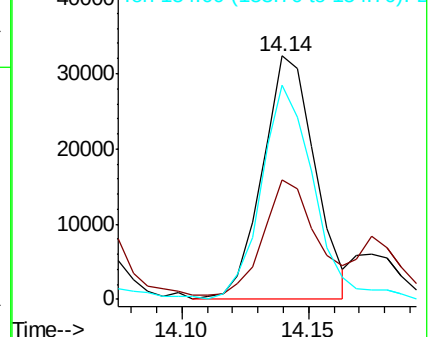
Manual Integrations
APPROVED

mohammad

2/4/2020 6:15:09 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: 1.421 ng/ul

RT: 14.49 min Scan# 1955

Delta R.T. 0.00 min

Lab File: BN009550.D

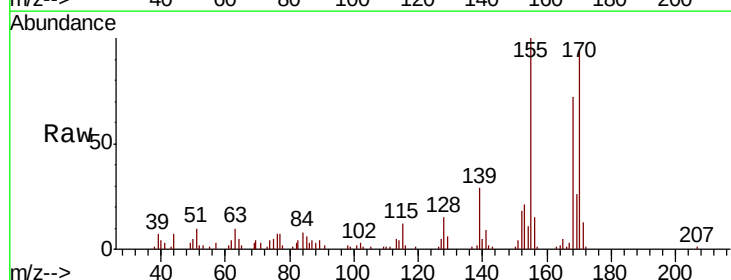
Acq: 04 Feb 2020 04:10

Tgt Ion:168 Resp: 45948

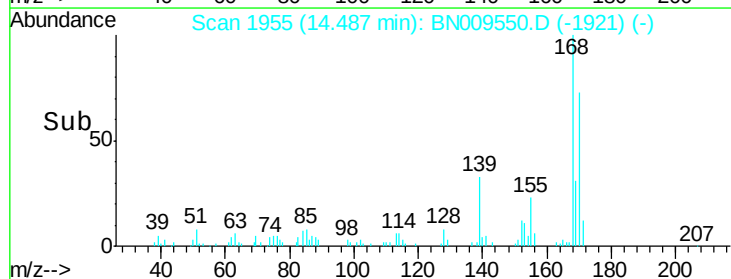
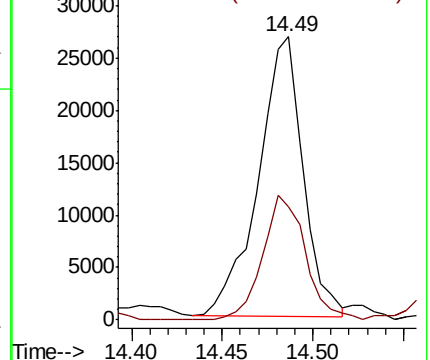
Ion Ratio Lower Upper

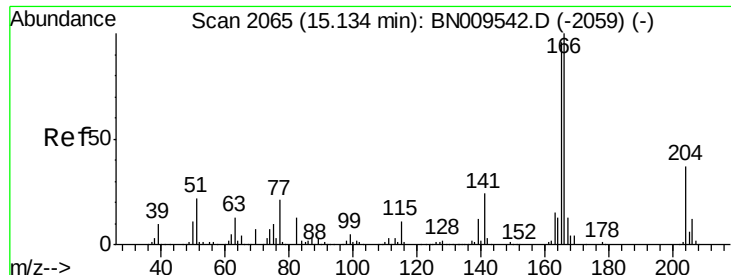
168 100

139 39.8 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





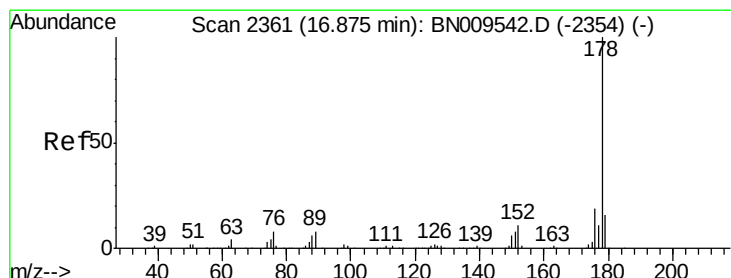
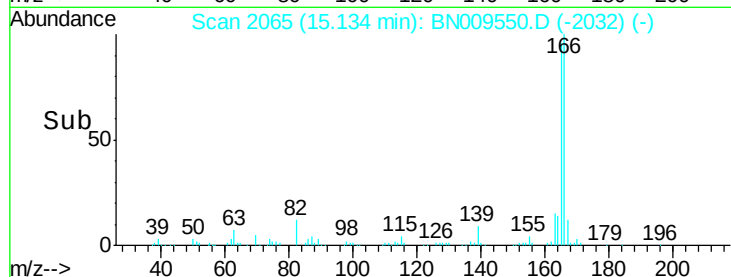
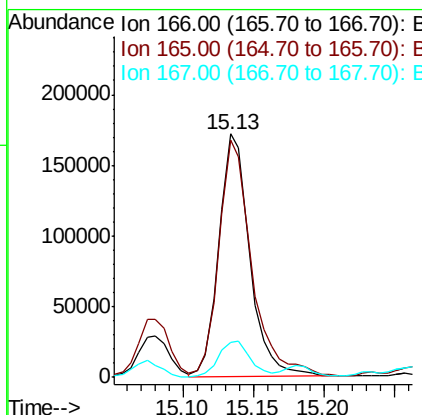
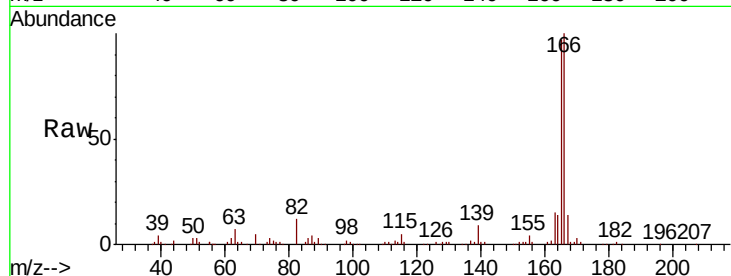
#58
 Fluorene
 Concen: 9.668 ng/ul
 RT: 15.13 min Scan# 2065
 Delta R.T. -0.01 min
 Lab File: BN009550.D
 Acq: 04 Feb 2020 04:10

Instrument :
 BNA_N
 ClientSampleId :
 GAT01DL2

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.2	76.7	115.1
167	14.4	11.1	16.7

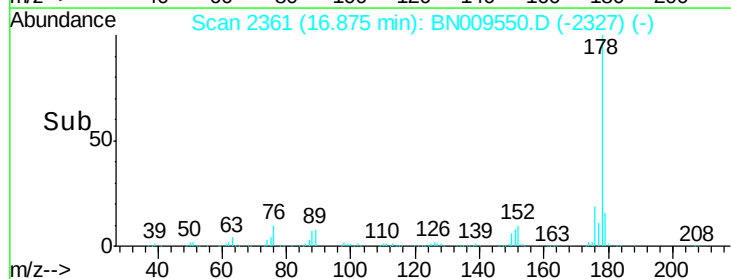
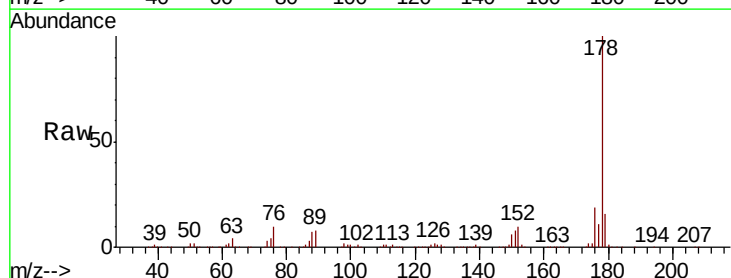
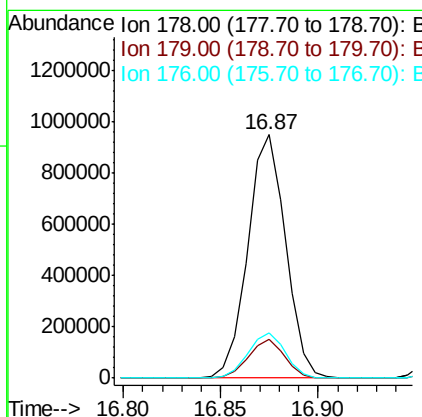
Manual Integrations
 APPROVED

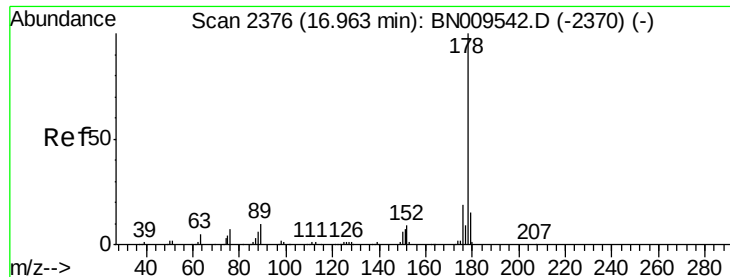
mohammad
 2/4/2020 6:15:09 PM



#69
 Phenanthrene
 Concen: 29.788 ng/ul
 RT: 16.87 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: BN009550.D
 Acq: 04 Feb 2020 04:10

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.2
176	18.7	14.8	22.2





#71

Anthracene

Concen: 4.285 ng/ul

RT: 16.96 min Scan# 2376

Delta R.T. -0.01 min

Lab File: BN009550.D

Acq: 04 Feb 2020 04:10

Instrument :

BNA_N

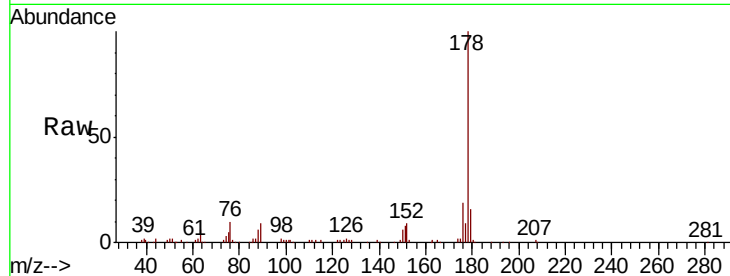
ClientSampleId :

GAT01DL2

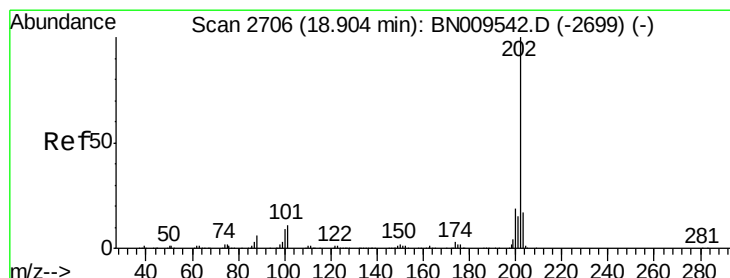
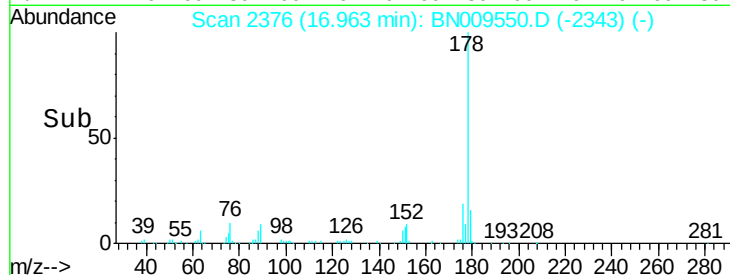
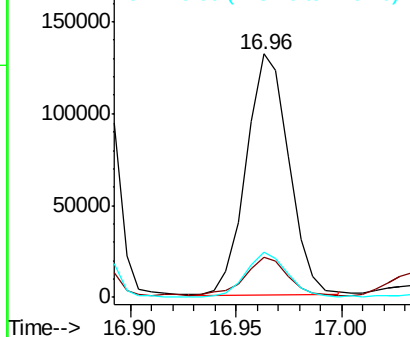
Tot Ion:	178	Resp:	185020
Ion Ratio		Lower	Upper
178	100		
179	16.5	12.1	18.1
176	18.7	14.6	21.8

Manual Integrations
APPROVED

mohammad
2/4/2020 6:15:09 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: 6.000 ng/ul

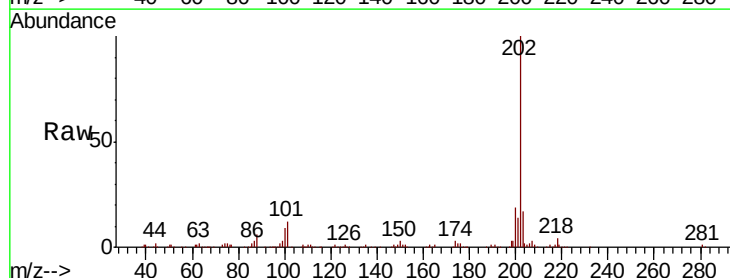
RT: 18.90 min Scan# 2705

Delta R.T. -0.01 min

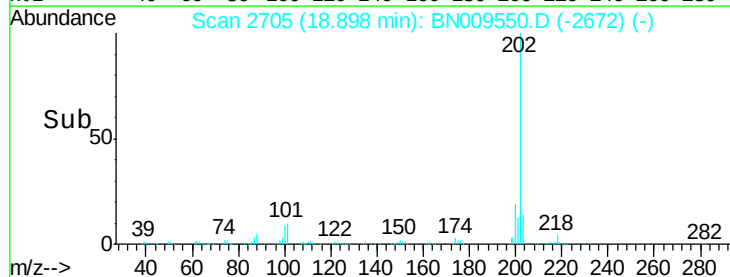
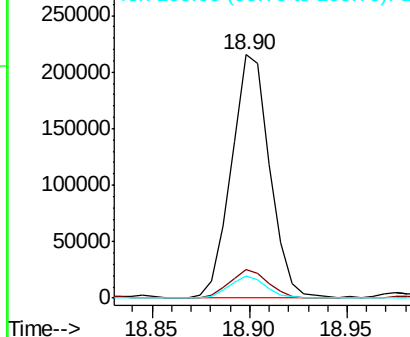
Lab File: BN009550.D

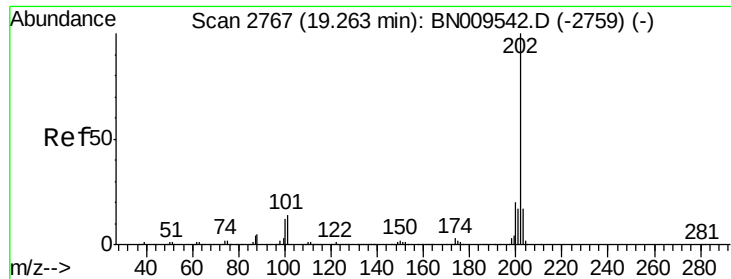
Acq: 04 Feb 2020 04:10

Tgt Ion:	202	Resp:	291420
Ion Ratio		Lower	Upper
202	100		
101	11.8	9.2	13.8
100	9.3	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: 8.777 ng/ul

RT: 19.26 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BN009550.D

Acq: 04 Feb 2020 04:10

Instrument :

BNA_N

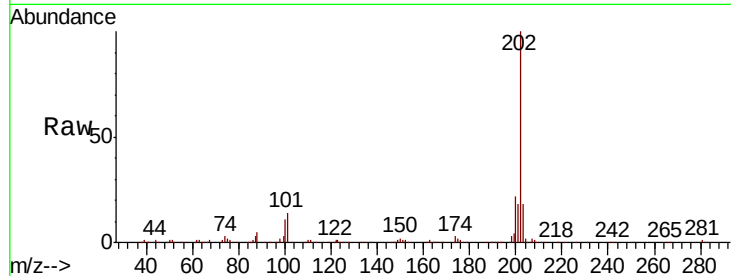
ClientSampleId :

GAT01DL2

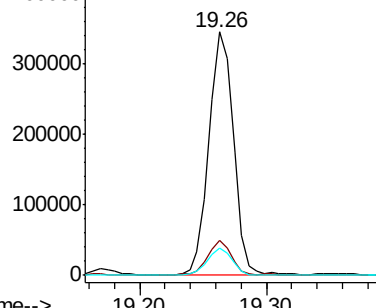
Tot Ion:	202	Resp:	458911
Ion Ratio	Lower	Upper	
202	100		
101	14.3	10.3	15.5
100	11.2	8.4	12.6

Manual Integrations
APPROVED

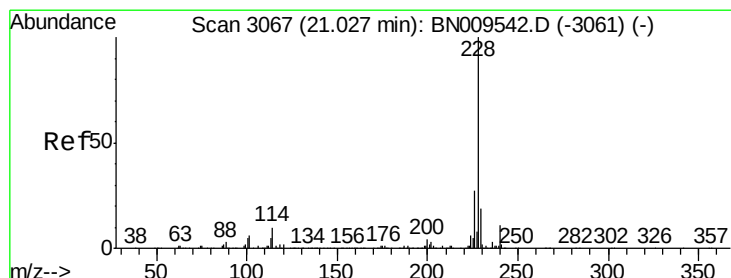
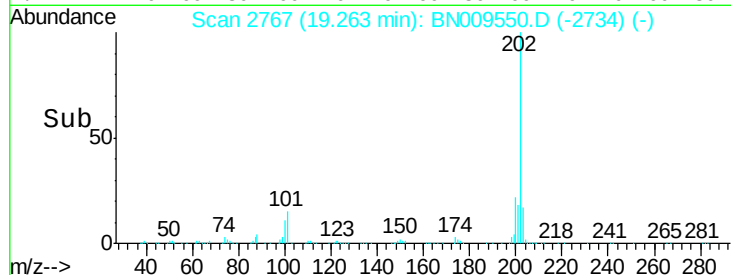
mohammad
2/4/2020 6:15:09 PM



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): E



Time-->



#82

Benzo(a)anthracene

Concen: 3.073 ng/ul

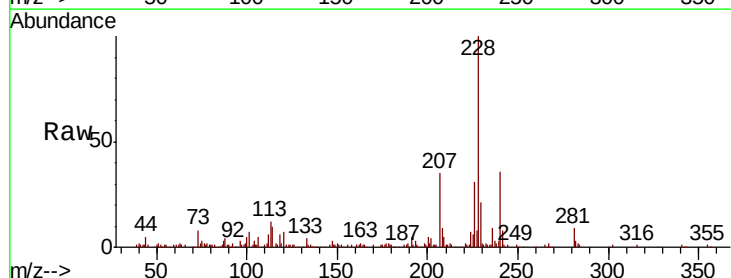
RT: 21.02 min Scan# 3066

Delta R.T. -0.01 min

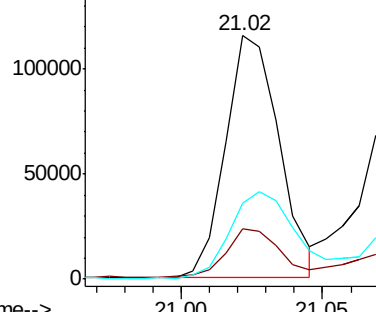
Lab File: BN009550.D

Acq: 04 Feb 2020 04:10

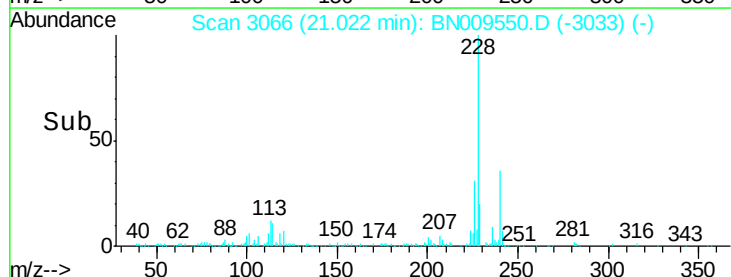
Tgt Ion:	228	Resp:	151985
Ion Ratio	Lower	Upper	
228	100		
229	20.6	15.0	22.4
226	31.2	20.9	31.3

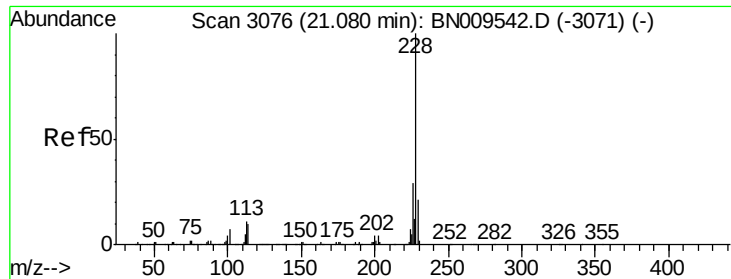


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



Time-->





#84

Chrysene

Concen: 2.873 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BN009550.D

Acq: 04 Feb 2020 04:10

Instrument :

BNA_N

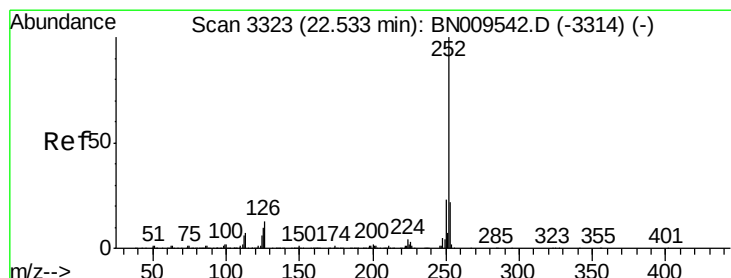
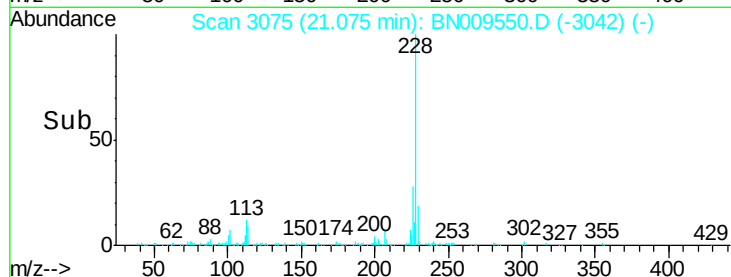
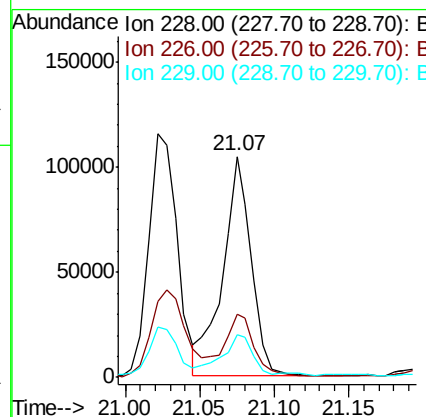
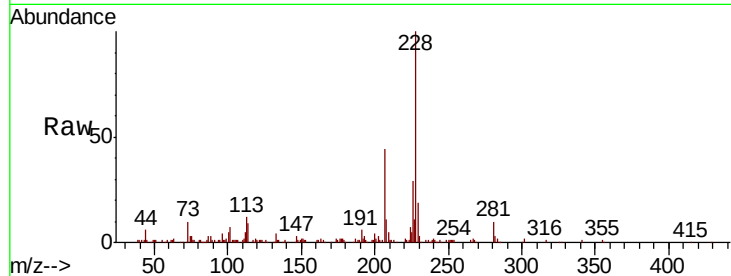
ClientSampleId :

GAT01DL2

Tot Ion:	228	Resp:	141438
Ion Ratio	Lower	Upper	
228	100		
226	28.7	23.5	35.3
229	19.5	15.8	23.8

Manual Integrations
APPROVED

mohammad
2/4/2020 6:15:09 PM



#87

Benzo(b)fluoranthene

Concen: 1.572 ng/ul

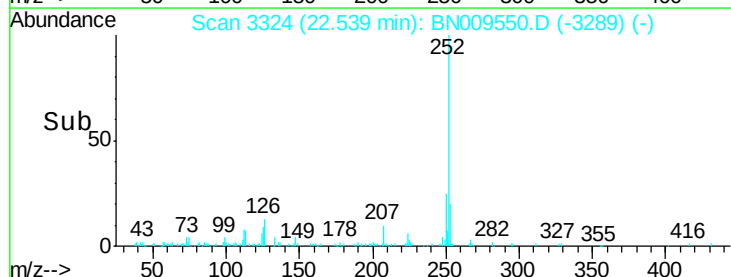
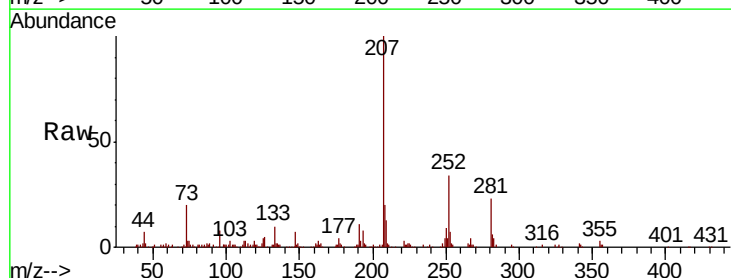
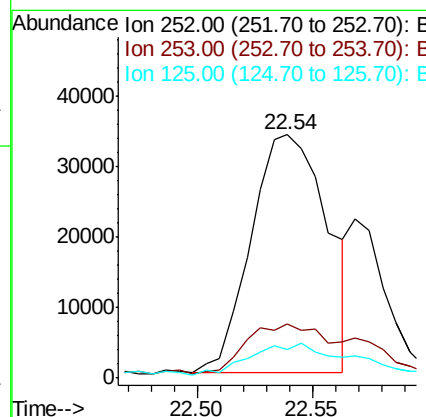
RT: 22.54 min Scan# 3324

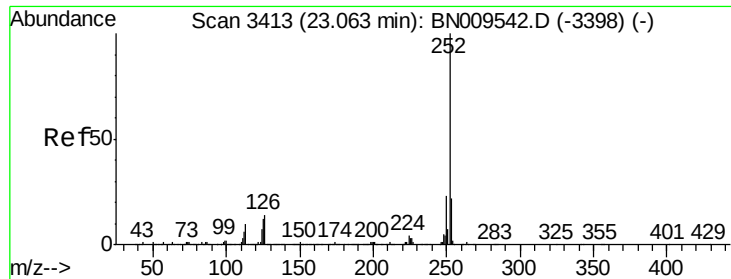
Delta R.T. 0.01 min

Lab File: BN009550.D

Acq: 04 Feb 2020 04:10

Tgt Ion:	252	Resp:	77879
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.0	25.6
125	11.8	8.2	12.2





#90
 Benzo(a)pyrene
 Concen: 1.646 ng/ul
 RT: 23.06 min Scan# 3413
 Delta R.T. -0.01 min
 Lab File: BN009550.D
 Acq: 04 Feb 2020 04:10

Instrument :
 BNA_N
 ClientSampleId :
 GAT01DL2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	15.8	23.8
125	13.2	8.7	13.1

Manual Integrations
 APPROVED

mohammad
 2/4/2020 6:15:09 PM

