

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009520.D
 Acq On : 31 Jan 2020 20:36
 Operator : CG/JU
 Sample : L1271-11 5X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT02

Manual Integrations
 APPROVED

mohammad
 2/3/2020 4:08:56 PM

Quant Time: Feb 01 01:35:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	191258	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.20	136	785067	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.09	164	498773	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.85	188	941317	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	840652	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	889731	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	2223	0.48	ng/uL	0.01
5) Phenol-d5	6.65	99	47071	2.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	35308	2.93	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	37155	3.00	ng/ul	-0.01
13) 4-Methylphenol-d8	8.16	113	37965	2.81	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	18605	3.26	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.31	143	19344	3.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.84	165	37589	3.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.38	131	6121m	0.43	ng/ul	0.02
43) Dimethylphthalate-d6	13.52	166	136588	3.70	ng/ul	0.00
46) Acenaphthylene-d8	13.78	160	142862	3.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	24844	3.62	ng/ul	0.00
57) Fluorene-d10	15.09	176	112545	3.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	15753	2.76	ng/ul	0.00
70) Anthracene-d10	16.95	188	155498	3.57	ng/ul	0.00
78) Pyrene-d10	19.25	212	158022	3.49	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	153258	3.41	ng/ul	0.00

Target Compounds

					Ovalue	
34) 2-Methylnaphthalene	11.87	142	232172	7.983	ng/ul	98
40) 1,1'-Biphenyl	12.92	154	2153923	57.031	ng/ul	99
47) Acenaphthylene	13.81	152	3383353	71.554	ng/ul	97
49) Acenaphthene	14.15	153	556439	17.250	ng/ul	97
53) Dibenzofuran	14.49	168	720618	16.078	ng/ul	95
58) Fluorene	15.15	166	3124754	83.205	ng/ul	94
64) N-Nitrosodiphenylamine	15.37	169	69051	2.477	ng/ul#	81
69) Phenanthrene	16.90	178	14966426	281.782	ng/ul	96
71) Anthracene	16.97	178	720692	13.327	ng/ul	99
76) Fluoranthene	18.92	202	3013279	49.490	ng/ul	99
79) Pyrene	19.28	202	4447722	73.071	ng/ul	99
82) Benzo(a)anthracene	21.04	228	1434225m	25.053	ng/ul	
84) Chrysene	21.09	228	1372821	24.617	ng/ul	98
87) Benzo(b)fluoranthene	22.55	252	783838	13.933	ng/ul	97
88) Benzo(k)fluoranthene	22.58	252	203219m	3.674	ng/ul	
90) Benzo(a)pyrene	23.07	252	300683	5.954	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.23	276	283191	4.628	ng/ul	95
92) Dibenzo(a,h)anthracene	25.24	278	106241	2.058	ng/ul	98
93) Benzo(g,h,i)perylene	25.86	276	214120	4.206	ng/ul	98

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

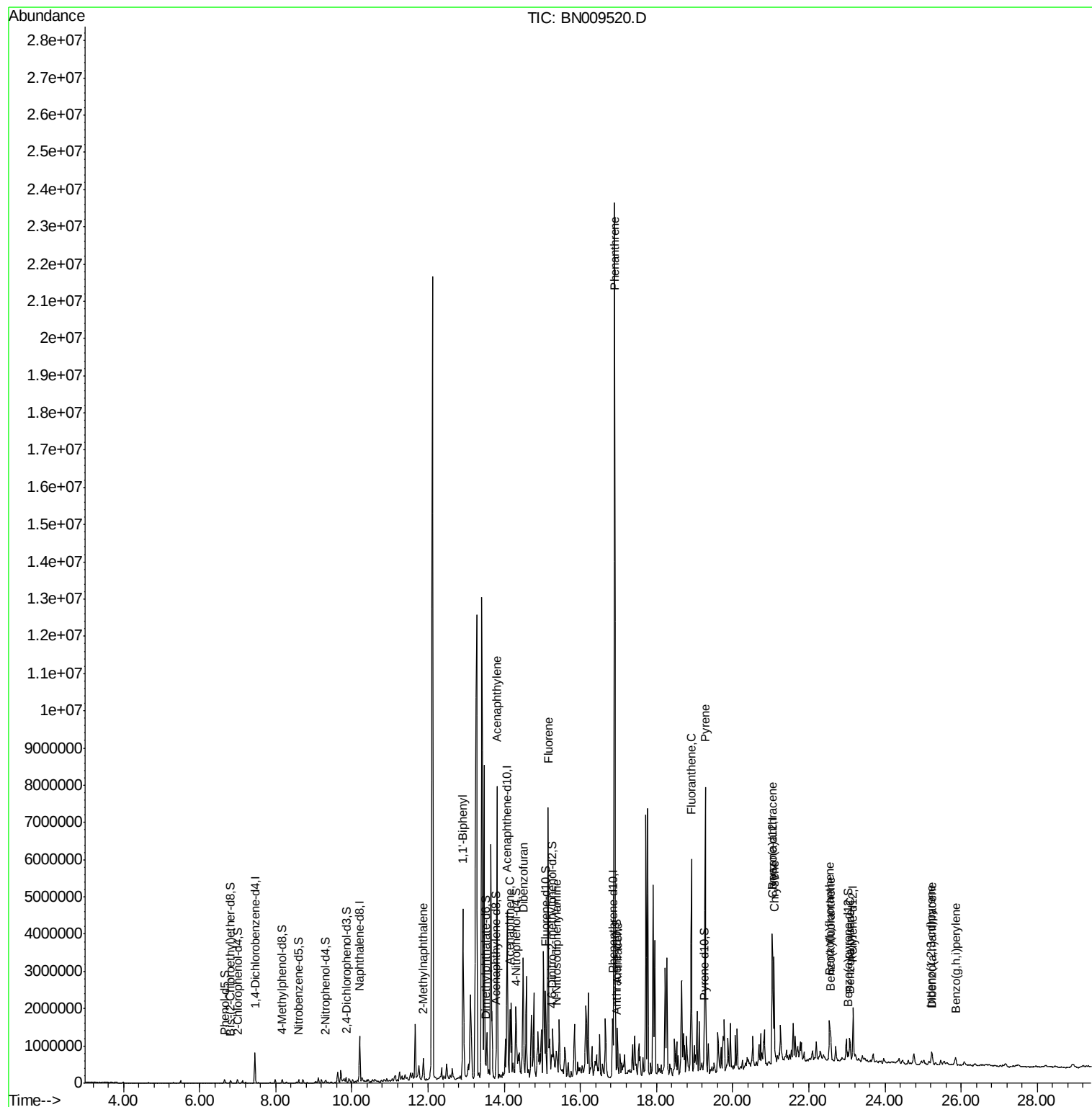
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009520.D
Acq On : 31 Jan 2020 20:36
Operator : CG/JU
Sample : L1271-11 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

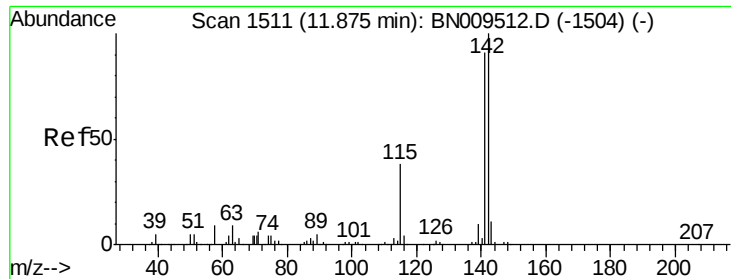
Instrument :
BNA_N
ClientSampleId :
GAT02

Manual Integrations
APPROVED

mohammad
2/3/2020 4:08:56 PM

Quant Time: Feb 01 01:35:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:13:20 2020
Response via : Initial Calibration





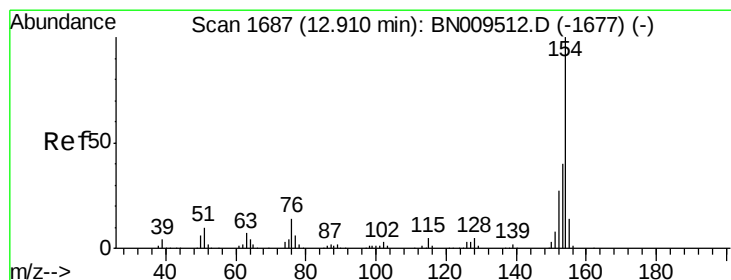
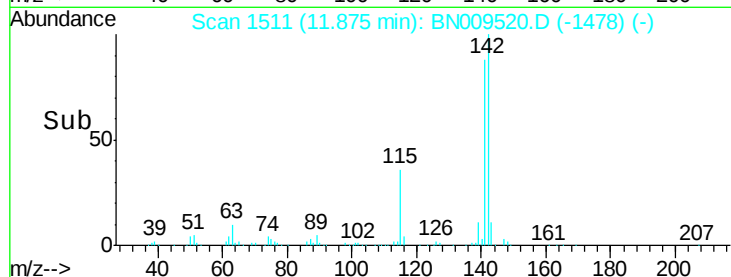
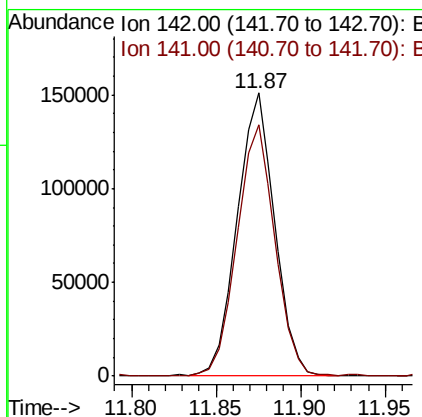
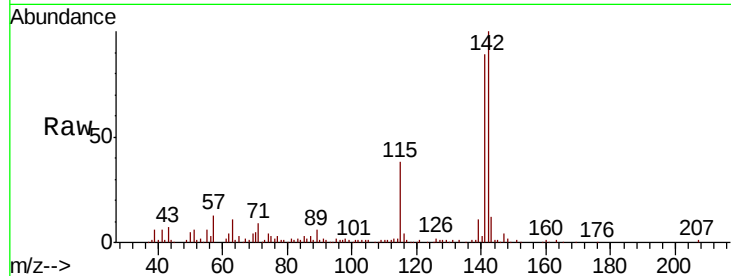
#34
2-Methylnaphthalene
Concen: 7.983 ng/ul
RT: 11.87 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BN009520.D
Acq: 31 Jan 2020 20:36

Instrument :
BNA_N
ClientSampleId :
GAT02

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	69.3	103.9

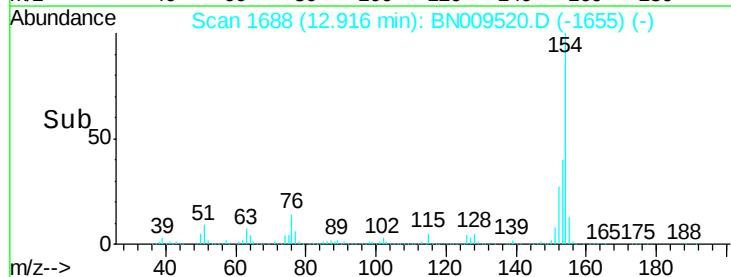
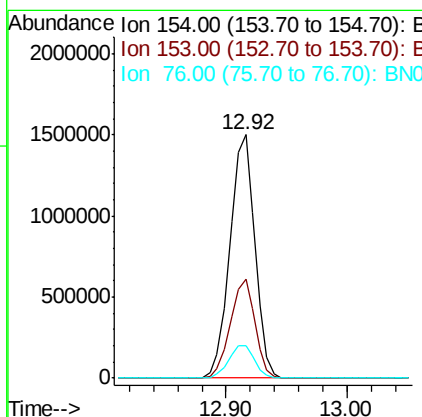
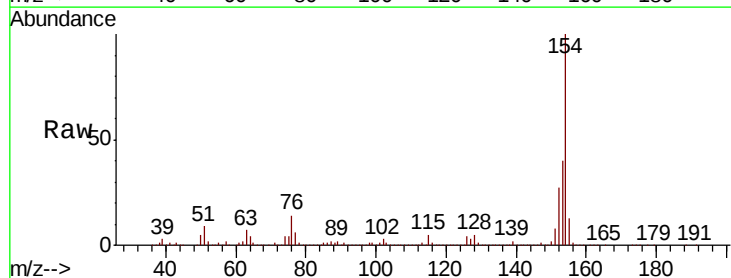
Manual Integrations
APPROVED

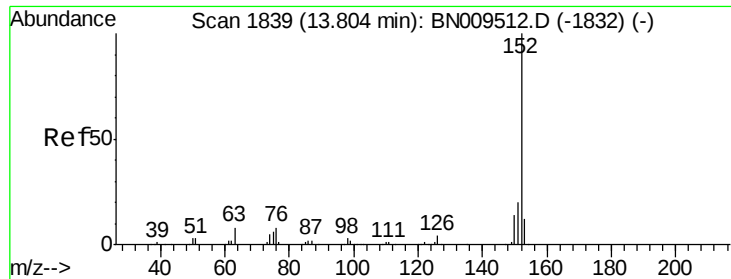
mohammad
2/3/2020 4:08:56 PM



#40
1,1'-Biphenyl
Concen: 57.031 ng/ul
RT: 12.92 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BN009520.D
Acq: 31 Jan 2020 20:36

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.5	32.6	49.0
76	13.5	11.4	17.0





#47

Acenaphthylene

Concen: 71.554 ng/ul

RT: 13.81 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

Instrument :

BNA_N

ClientSampleId :

GAT02

Tot Ion:152 Resp: 3383353

Ion Ratio Lower Upper

152 100

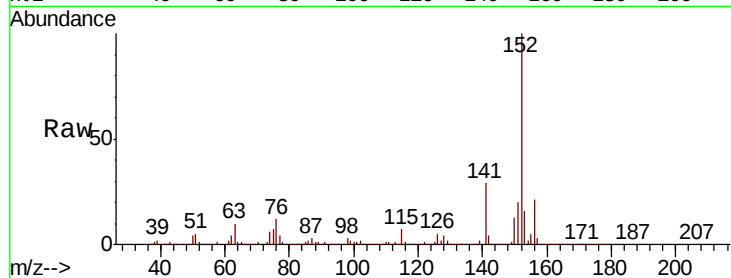
151 19.9 16.2 24.4

153 15.6 10.8 16.2

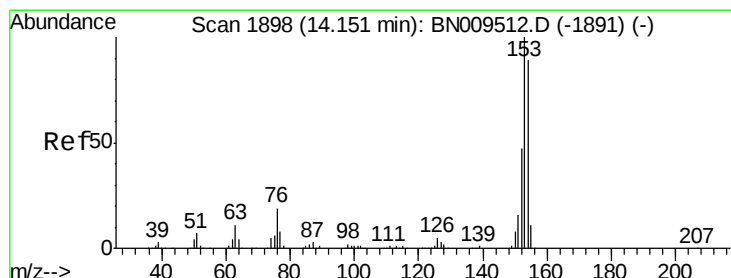
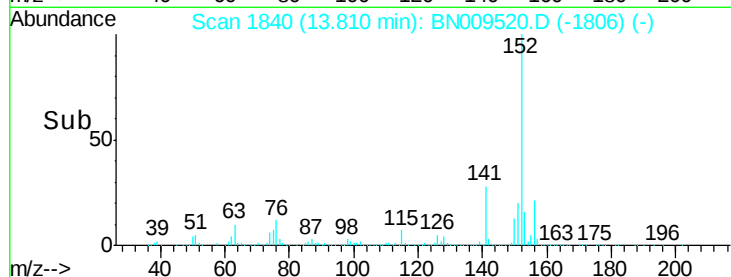
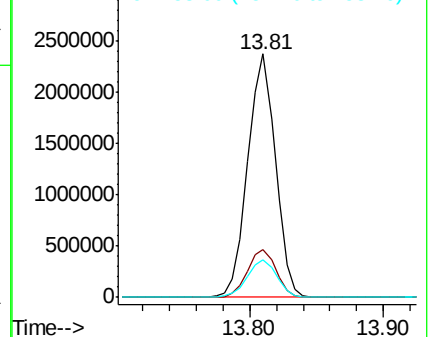
Manual Integrations
APPROVED

mohammad

2/3/2020 4:08:56 PM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 17.250 ng/ul

RT: 14.15 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

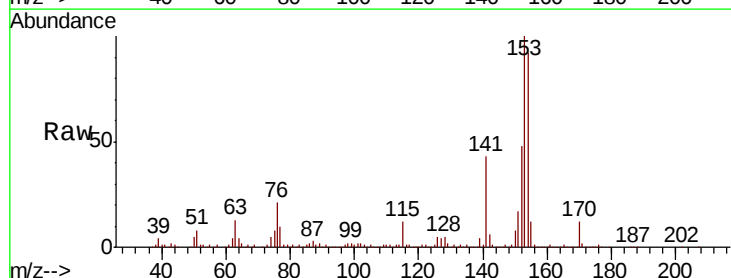
Tgt Ion:153 Resp: 556439

Ion Ratio Lower Upper

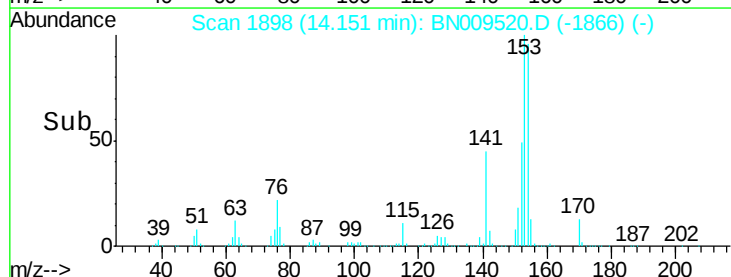
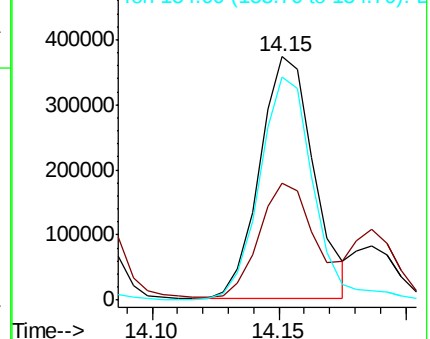
153 100

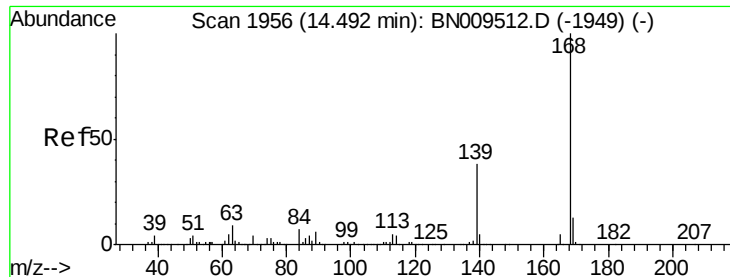
152 48.2 36.3 54.5

154 91.9 71.4 107.0



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

Dibenzenofuran

Concen: 16.078 ng/ul

RT: 14.49 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

Instrument :

BNA_N

ClientSampleId :

GAT02

Tot Ion:168 Resp: 720618

Ion Ratio Lower Upper

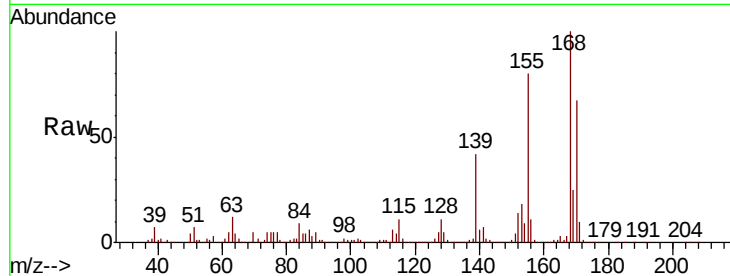
168 100

139 42.1 31.4 47.2

Manual Integrations
APPROVED

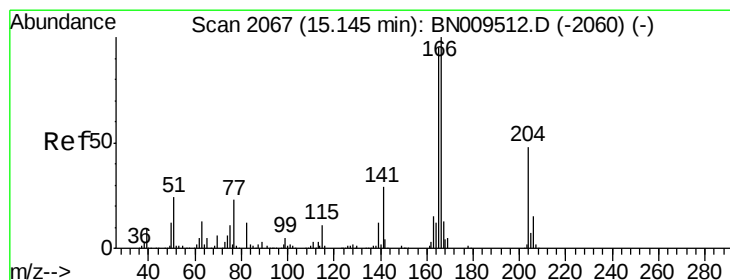
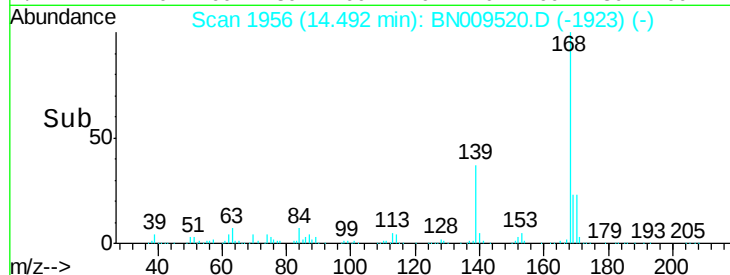
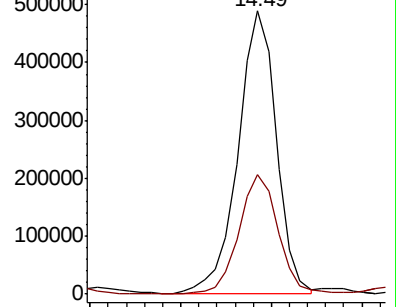
mohammad

2/3/2020 4:08:56 PM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 83.205 ng/ul

RT: 15.15 min Scan# 2068

Delta R.T. -0.00 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

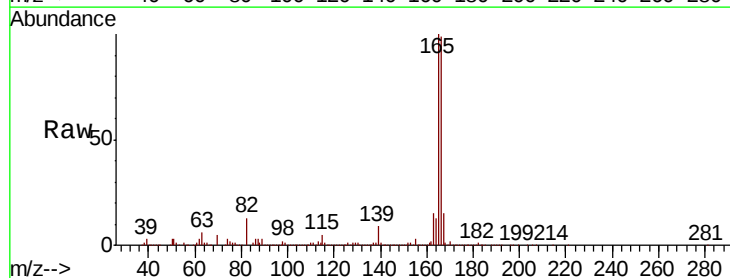
Tgt Ion:166 Resp: 3124754

Ion Ratio Lower Upper

166 100

165 101.1 76.5 114.7

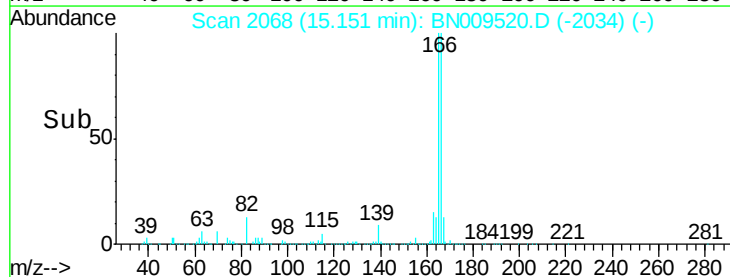
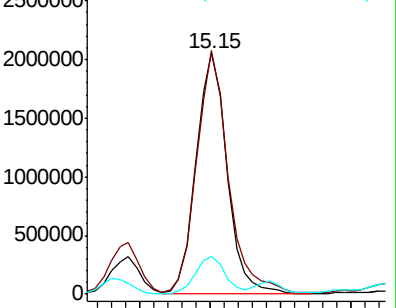
167 15.7 10.9 16.3

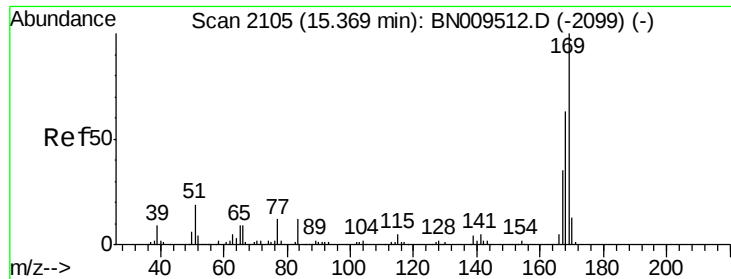


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

N-Nitrosodiphenylamine

Concen: 2.477 ng/ul

RT: 15.37 min Scan# 2105

Delta R.T. -0.01 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

Instrument :

BNA_N

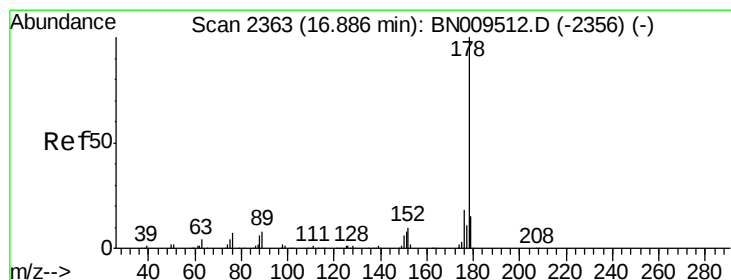
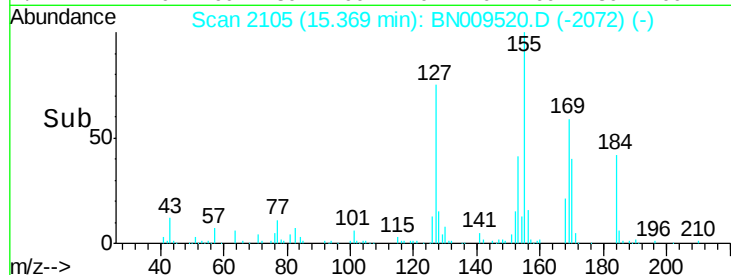
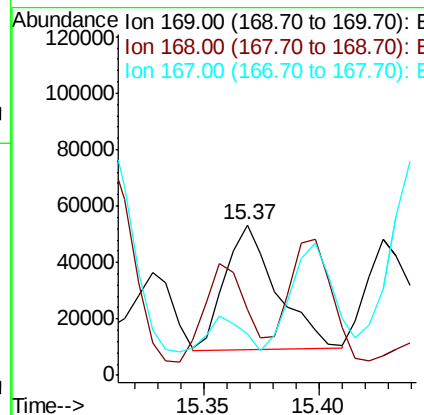
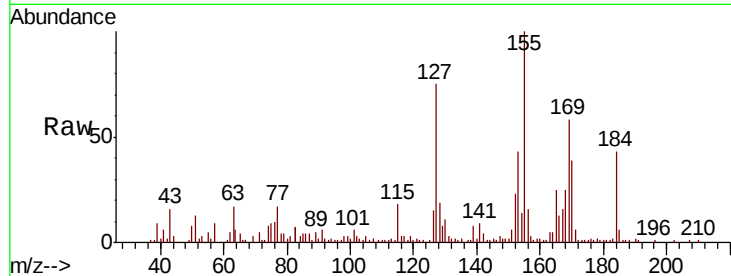
ClientSampled :

GAT02

Tot Ion:	169	Resp:	69051
Ion Ratio	Lower	Upper	
169	100		
168	44.1	49.8	74.8#
167	27.5	27.6	41.4#

Manual Integrations
APPROVED

mohammad
2/3/2020 4:08:56 PM



#69

Phenanthrene

Concen: 281.782 ng/ul

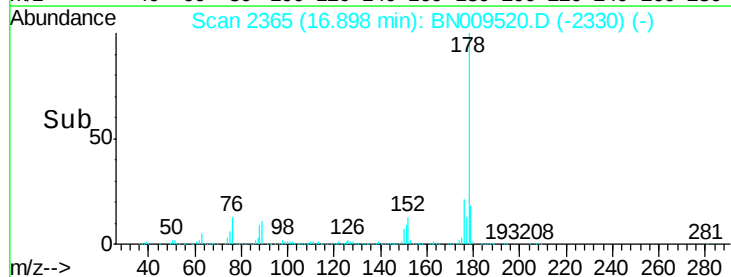
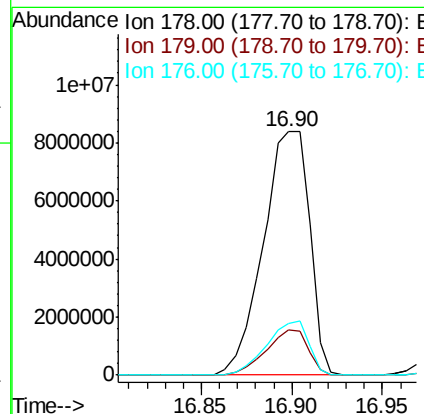
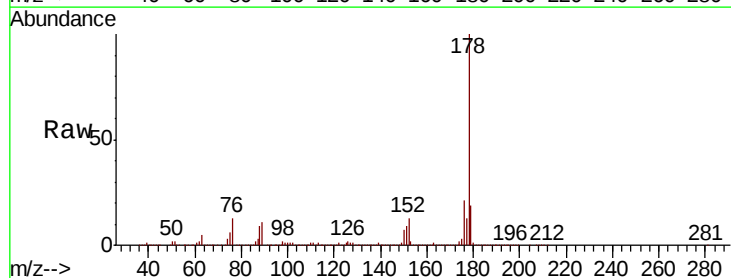
RT: 16.90 min Scan# 2365

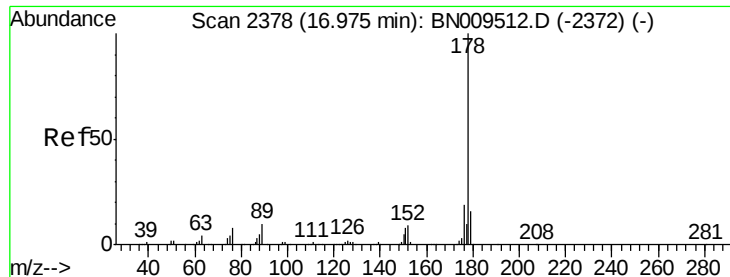
Delta R.T. 0.01 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

Tgt Ion:	178	Resp:	14966426
Ion Ratio	Lower	Upper	
178	100		
179	18.5	13.3	19.9
176	21.4	15.5	23.3





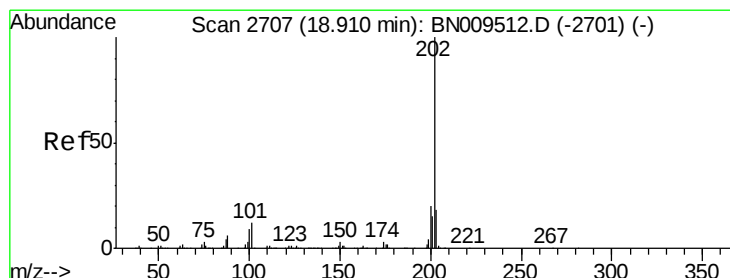
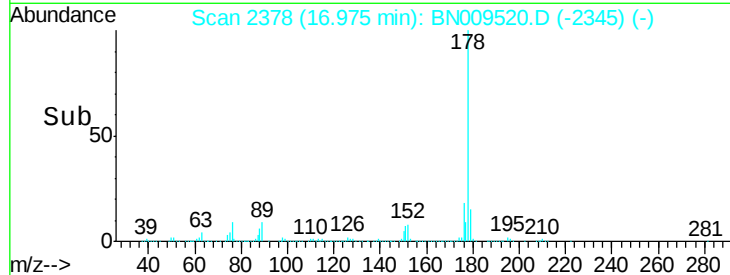
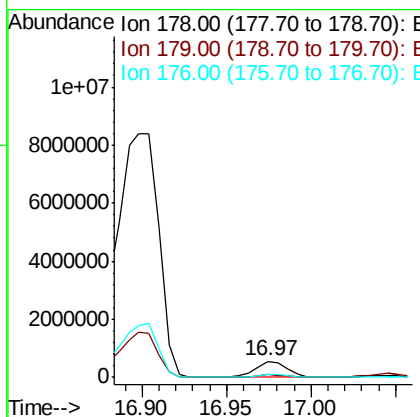
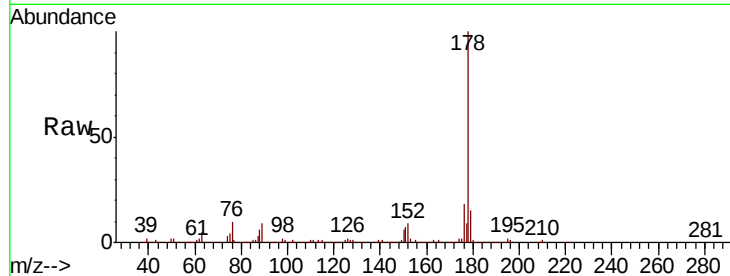
#71
 Anthracene
 Concen: 13.327 ng/ul
 RT: 16.97 min Scan# 2378
 Delta R.T. -0.01 min
 Lab File: BN009520.D
 Acq: 31 Jan 2020 20:36

Instrument :
 BNA_N
 ClientSampled :
 GAT02

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.8	17.6
176	18.0	14.6	22.0

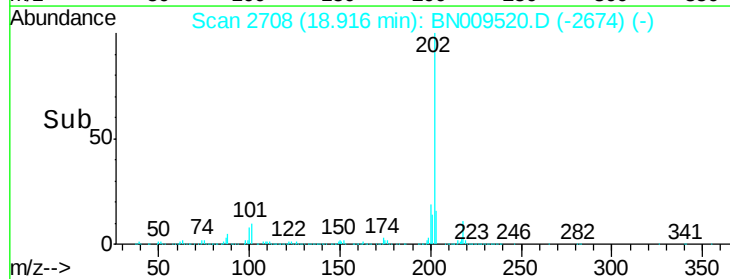
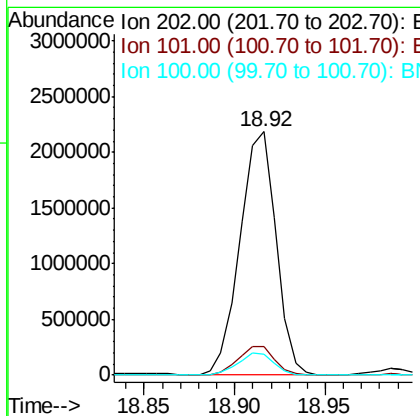
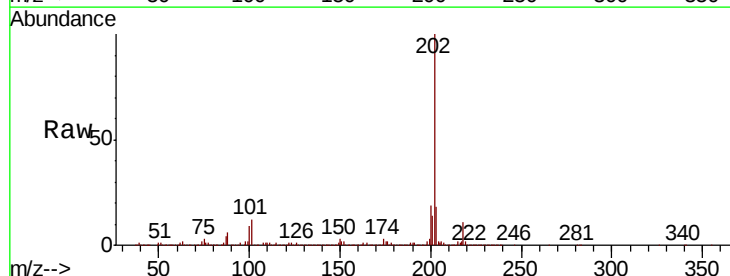
Manual Integrations
 APPROVED

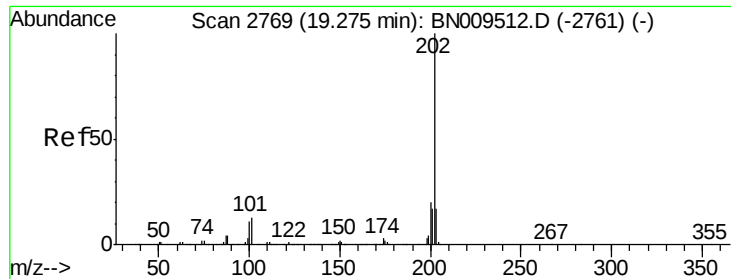
mohammad
 2/3/2020 4:08:56 PM



#76
 Fluoranthene
 Concen: 49.490 ng/ul
 RT: 18.92 min Scan# 2708
 Delta R.T. -0.00 min
 Lab File: BN009520.D
 Acq: 31 Jan 2020 20:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.7	14.5
100	8.6	7.1	10.7





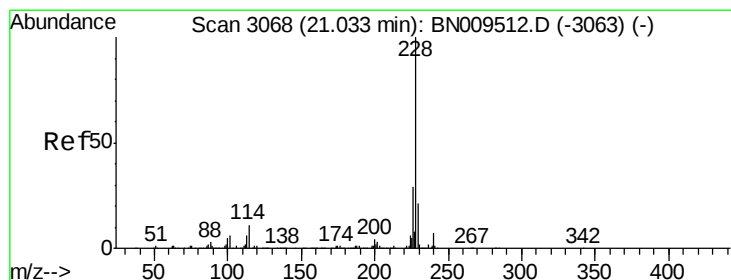
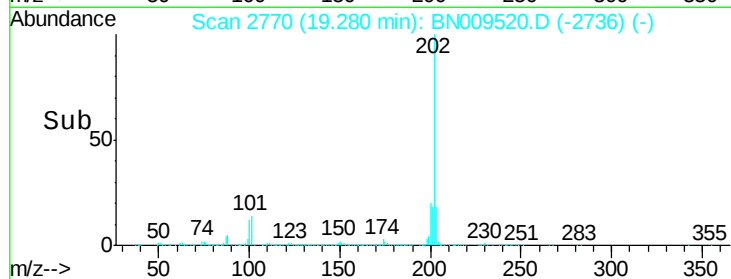
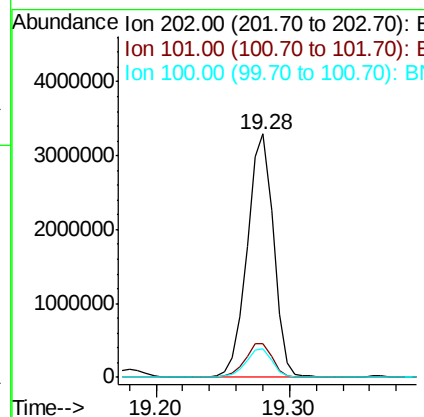
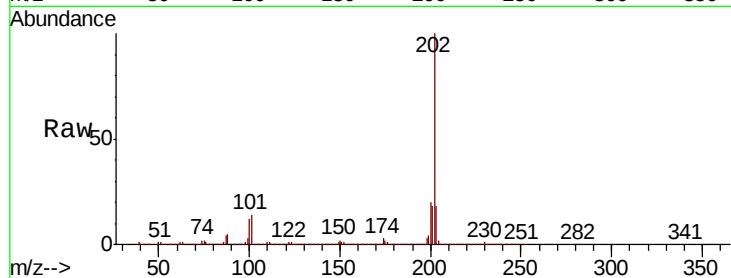
#79
Pvrene
Concen: 73.071 ng/ul
RT: 19.28 min Scan# 2770
Delta R.T. -0.00 min
Lab File: BN009520.D
Acq: 31 Jan 2020 20:36

Instrument :
BNA_N
ClientSampleId :
GAT02

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.7	10.9	16.3
100	11.6	8.6	12.8

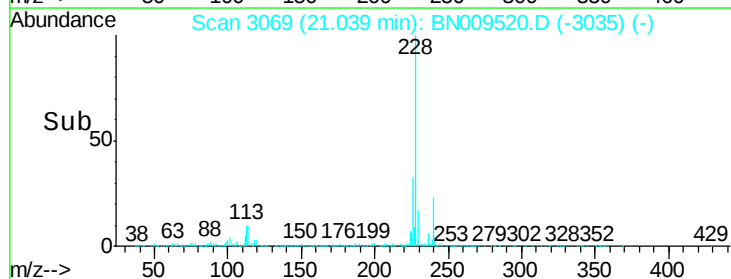
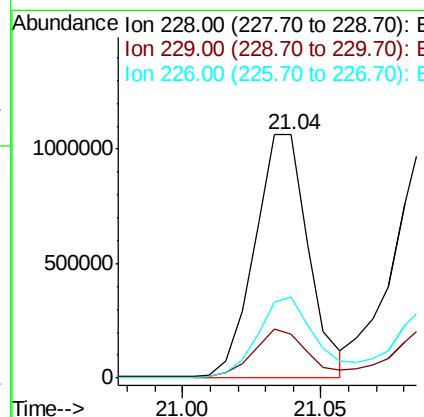
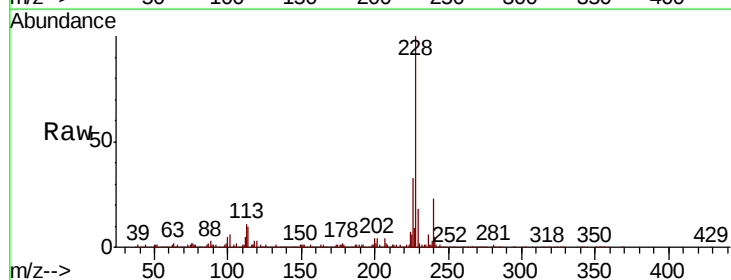
Manual Integrations
APPROVED

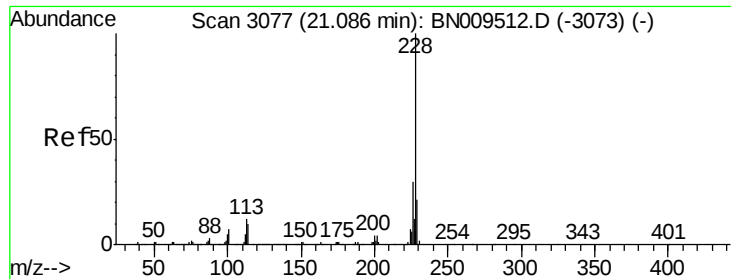
mohammad
2/3/2020 4:08:56 PM



#82
Benzo(a)anthracene
Concen: 25.053 ng/ul m
RT: 21.04 min Scan# 3069
Delta R.T. -0.00 min
Lab File: BN009520.D
Acq: 31 Jan 2020 20:36

Tgt Ion	Ratio	Lower	Upper
228	100		
229	18.2	15.9	23.9
226	33.5	20.9	31.3#





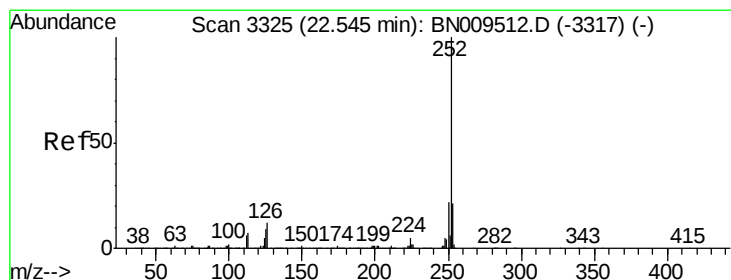
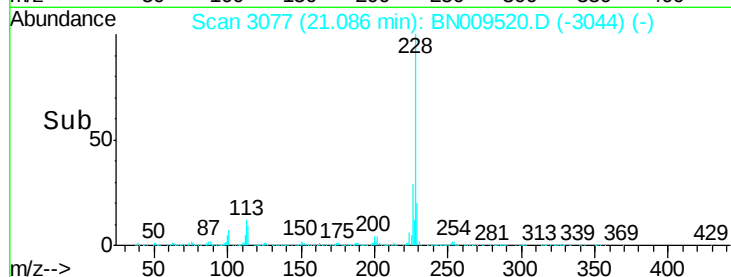
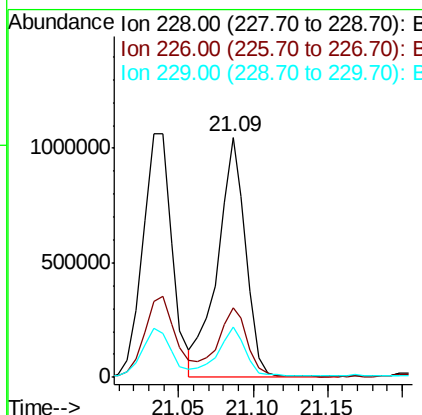
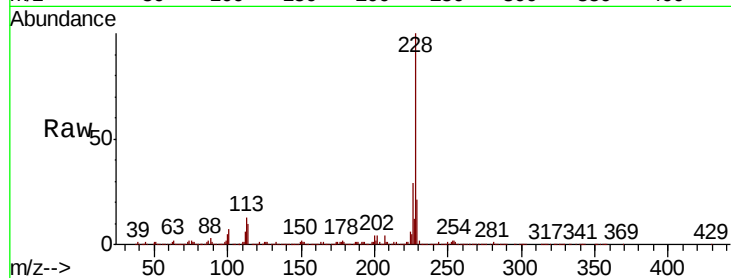
#84
Chrysene
Concen: 24.617 ng/ul
RT: 21.09 min Scan# 3077
Delta R.T. -0.01 min
Lab File: BN009520.D
Acq: 31 Jan 2020 20:36

Instrument :
BNA_N
ClientSampleId :
GAT02

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.9	34.3
229	20.7	15.4	23.0

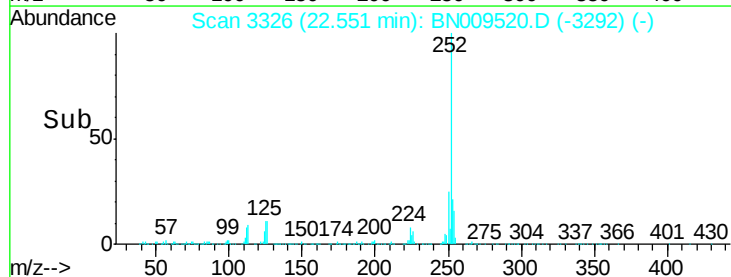
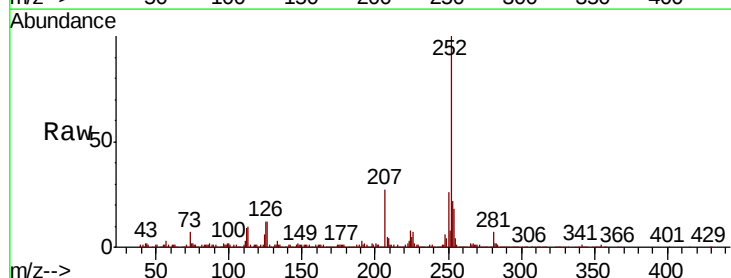
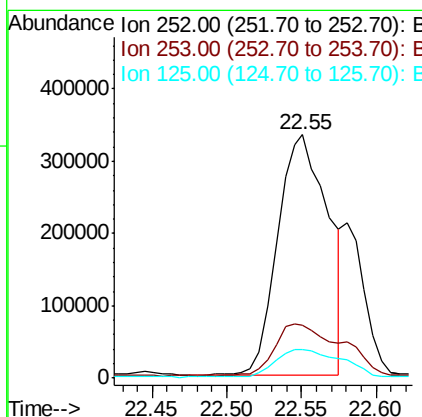
Manual Integrations
APPROVED

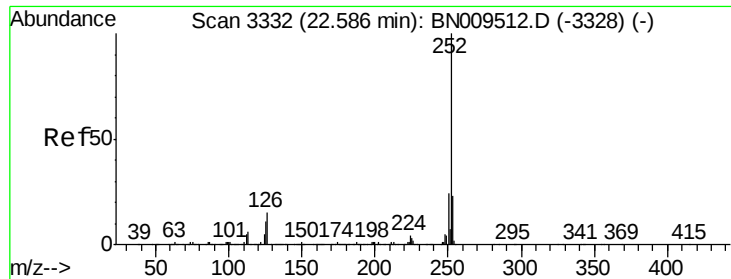
mohammad
2/3/2020 4:08:56 PM



#87
Benzo(b)fluoranthene
Concen: 13.933 ng/ul
RT: 22.55 min Scan# 3326
Delta R.T. -0.00 min
Lab File: BN009520.D
Acq: 31 Jan 2020 20:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.5	24.7
125	11.7	8.2	12.2





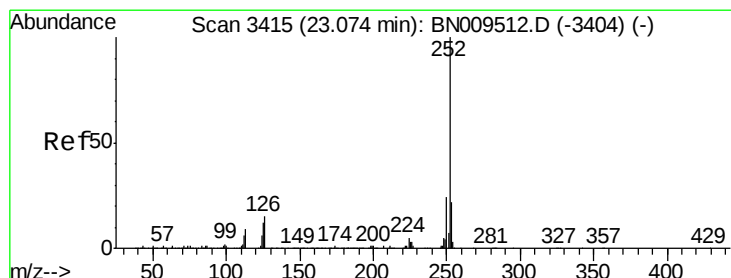
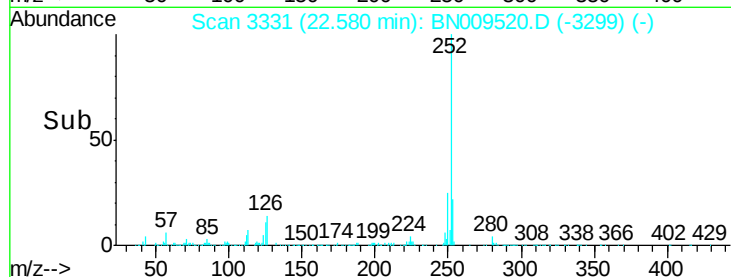
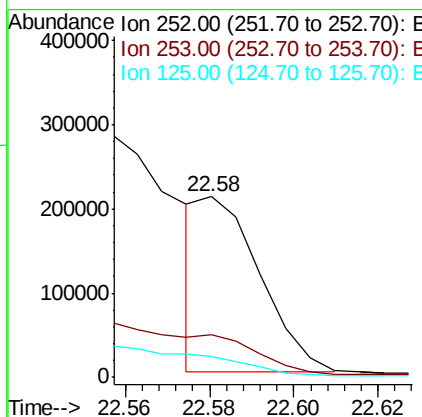
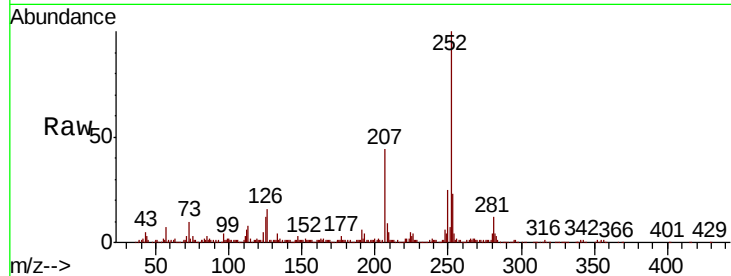
#88
Benzo(k)fluoranthene
Concen: 3.674 ng/ul
RT: 22.58 min Scan# 3331
Delta R.T. -0.01 min
Lab File: BN009520.D
Acq: 31 Jan 2020 20:36

Instrument :
BNA_N
ClientSampleId :
GAT02

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.4
125	11.6	7.8	11.8

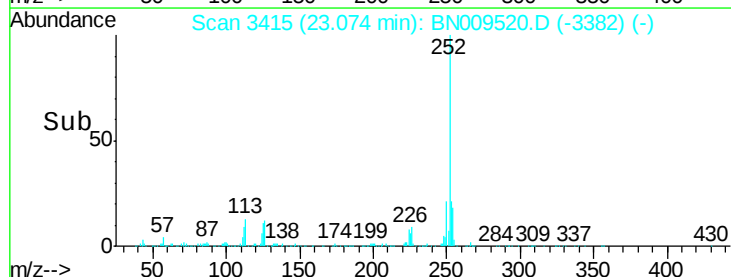
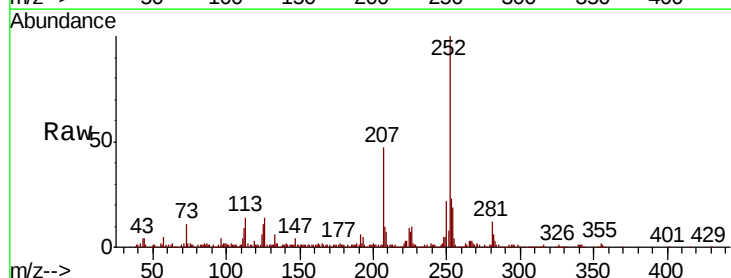
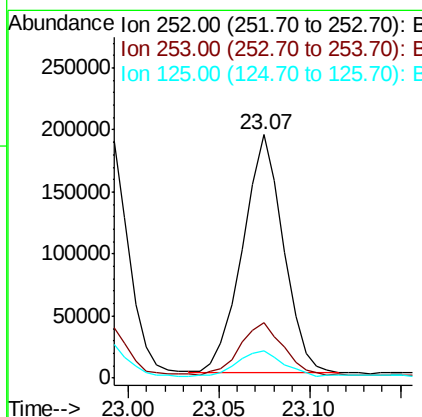
Manual Integrations
APPROVED

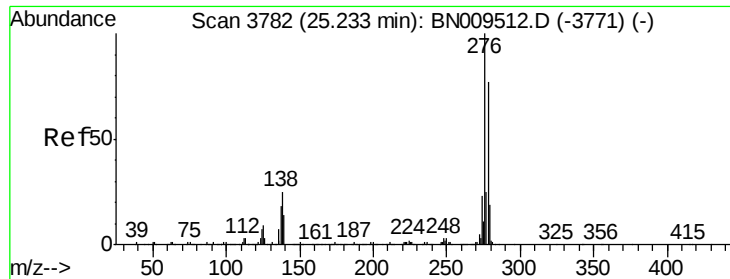
mohammad
2/3/2020 4:08:56 PM



#90
Benzo(a)pyrene
Concen: 5.954 ng/ul
RT: 23.07 min Scan# 3415
Delta R.T. -0.01 min
Lab File: BN009520.D
Acq: 31 Jan 2020 20:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	11.5	9.8	14.6





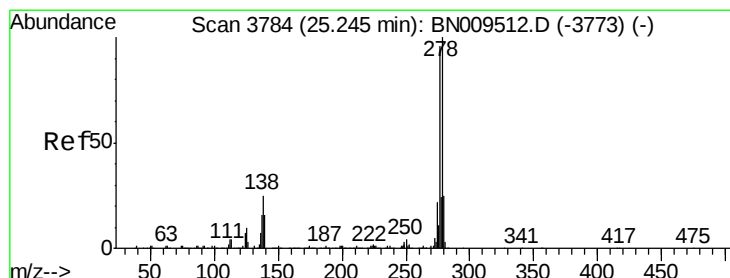
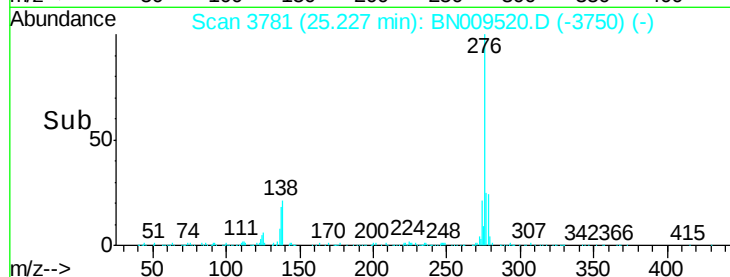
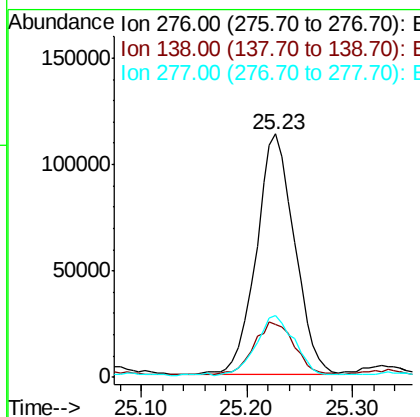
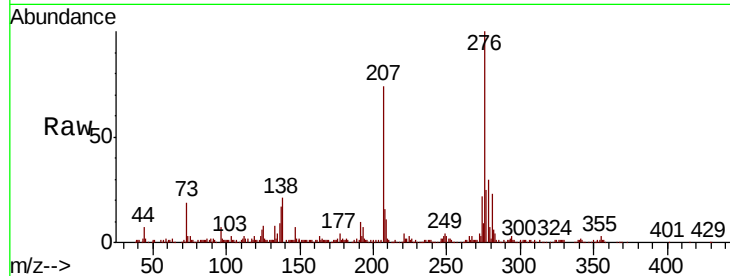
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 4.628 ng/ul
 RT: 25.23 min Scan# 3781
 Delta R.T. -0.02 min
 Lab File: BN009520.D
 Acq: 31 Jan 2020 20:36

Instrument :
 BNA_N
 ClientSampleId :
 GAT02

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	21.4	32.0
277	25.3	20.4	30.6

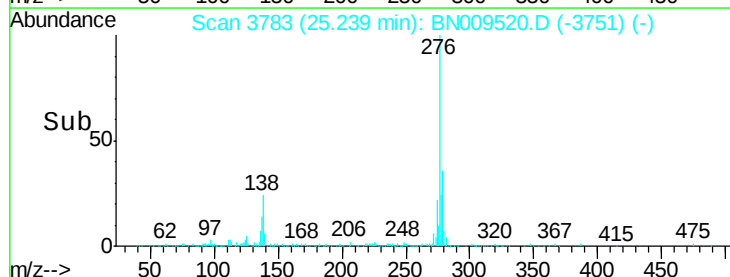
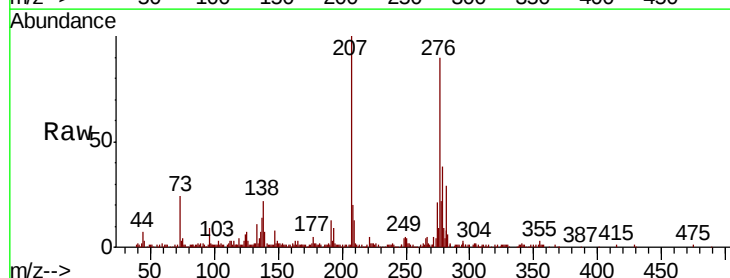
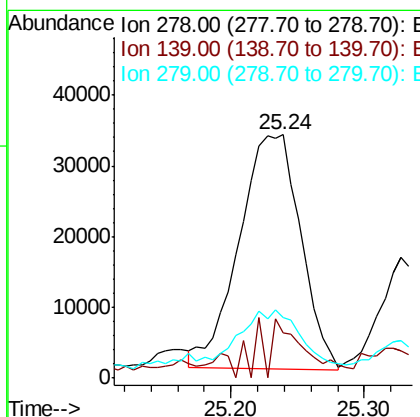
Manual Integrations
 APPROVED

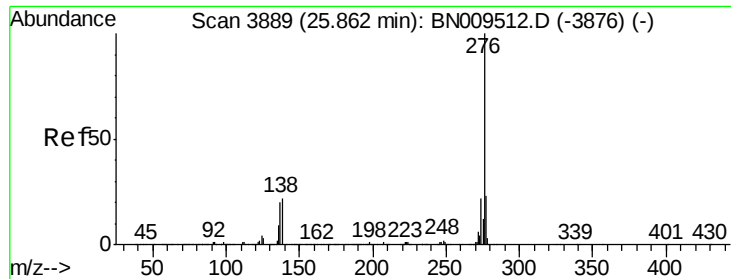
mohammad
 2/3/2020 4:08:56 PM



#92
 Dibenzo(a,h)anthracene
 Concen: 2.058 ng/ul
 RT: 25.24 min Scan# 3783
 Delta R.T. -0.01 min
 Lab File: BN009520.D
 Acq: 31 Jan 2020 20:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	13.9	20.9
279	24.7	19.3	28.9





#93

Benzo(a,h,i)perylene

Concen: 4.206 ng/ul

RT: 25.86 min Scan# 3888

Delta R.T. -0.02 min

Lab File: BN009520.D

Acq: 31 Jan 2020 20:36

Instrument :

BNA_N

ClientSampleId :

GAT02

Tot Ion:	276	Resp:	214120
Ion Ratio	Lower	Upper	
276	100		
138	22.2	16.6	24.8
277	22.5	18.7	28.1

Manual Integrations
APPROVED

mohammad
2/3/2020 4:08:56 PM

