

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
 Data File : BN009685.D
 Acq On : 10 Feb 2020 15:00
 Operator : CG/JU
 Sample : L1324-16ME
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT71ME

Manual Integrations
 APPROVED

mohammad
 2/12/2020 9:51:20 AM

Quant Time: Feb 11 10:17:05 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	138152	20.00	ng/ul	0.00
18) Naphthalene-d8	10.18	136	577406	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	355963	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	732931	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	694104	20.00	ng/ul	0.00
85) Perylene-d12	23.15	264	709615	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	9892	2.94	ng/uL	0.00
5) Phenol-d5	6.63	99	197000	16.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	152211	18.81	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	158023	17.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.14	113	167852	17.49	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	85799	19.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.28	143	91719	19.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.82	165	159982	17.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.33	131	196959	20.41	ng/ul	0.00
43) Dimethylphthalate-d6	13.49	166	565739	21.77	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	617803	19.68	ng/ul	0.00
51) 4-Nitrophenol-d4	14.31	143	73400	14.96	ng/ul	0.00
57) Fluorene-d10	15.07	176	480453	21.03	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	56194	12.28	ng/ul	0.01
70) Anthracene-d10	16.93	188	710306	21.33	ng/ul	0.00
78) Pyrene-d10	19.23	212	749189	20.53	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	732528	20.97	ng/ul	-0.01

Target Compounds

					Ovalue
28) Naphthalene	10.24	128	18929480m	604.540	ng/ul
34) 2-Methylnaphthalene	11.86	142	5561930	253.822	ng/ul 98
40) 1,1'-Biphenyl	12.89	154	582353	21.012	ng/ul 100
47) Acenaphthylene	13.79	152	4613221	134.261	ng/ul 99
49) Acenaphthene	14.13	153	293043	12.545	ng/ul 97
53) Dibenzofuran	14.47	168	330657	10.166	ng/ul 96
58) Fluorene	15.13	166	2373194	87.301	ng/ul 97
69) Phenanthrene	16.88	178	10389008	248.551	ng/ul 99
71) Anthracene	16.96	178	2295454	54.124	ng/ul 100
74) Carbazole	17.23	167	85513	2.316	ng/ul# 91
76) Fluoranthene	18.90	202	4013062	84.122	ng/ul 99
79) Pyrene	19.27	202	5501942	108.585	ng/ul 99
82) Benzo(a)anthracene	21.03	228	1974841m	41.208	ng/ul
84) Chrysene	21.07	228	1648428	34.551	ng/ul 100
87) Benzo(b)fluoranthene	22.53	252	1216380	27.398	ng/ul 95
88) Benzo(k)fluoranthene	22.57	252	335065m	7.663	ng/ul
90) Benzo(a)pyrene	23.06	252	1275200	31.001	ng/ul 96
91) Indeno(1,2,3-cd)pyrene	25.21	276	488088	9.980	ng/ul 97
92) Dibenzo(a,h)anthracene	25.21	278	156490	3.801	ng/ul# 84
93) Benzo(g,h,i)perylene	25.83	276	402093	9.810	ng/ul 95

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

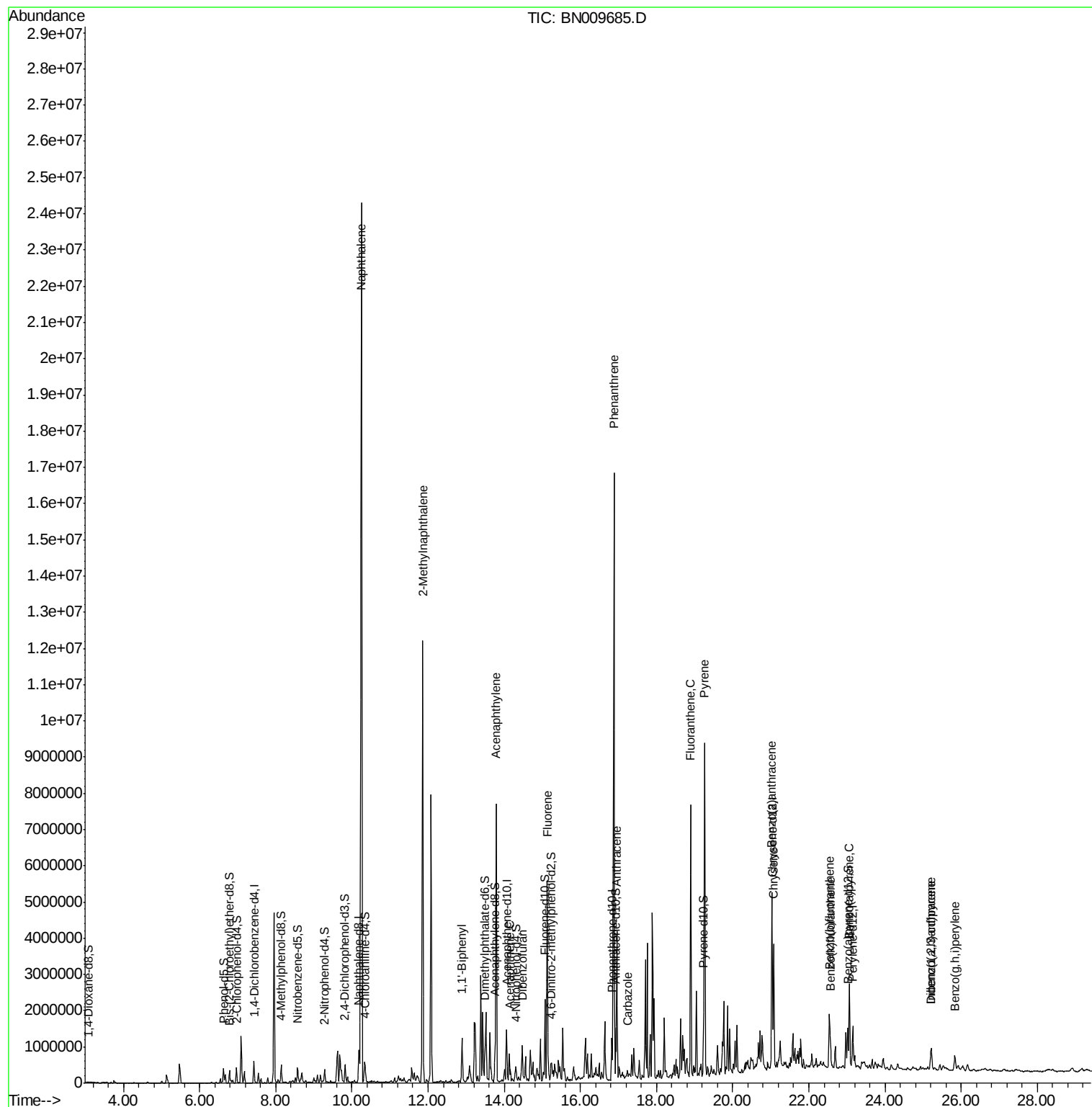
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009685.D
Acq On : 10 Feb 2020 15:00
Operator : CG/JU
Sample : L1324-16ME
Misc :
ALS Vial : 9 Sample Multiplier: 1

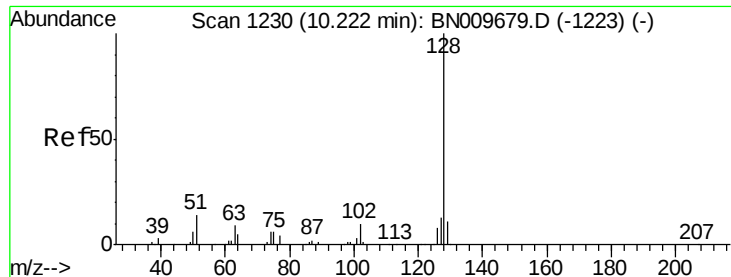
Instrument :
BNA_N
ClientSampleId :
GAT71ME

Quant Time: Feb 11 10:17:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
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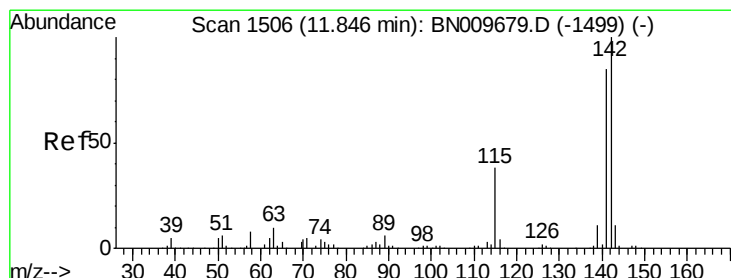
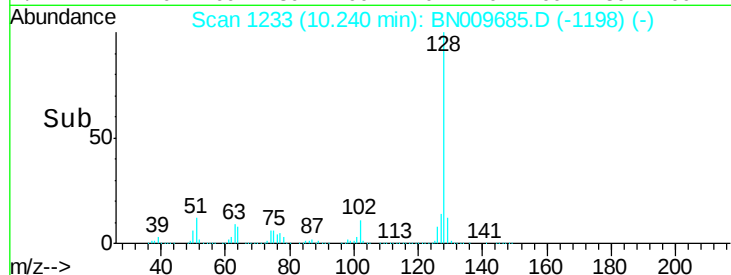
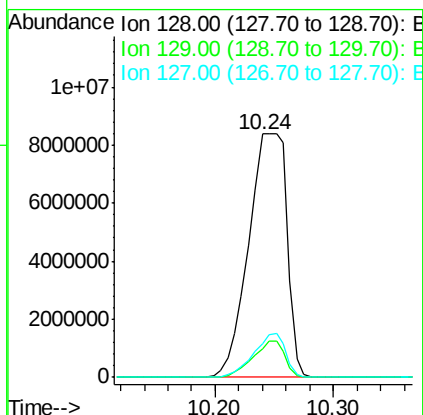
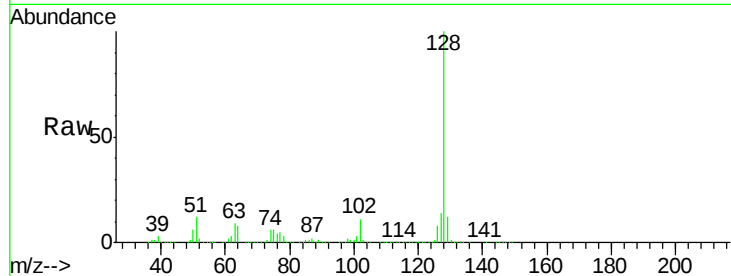
#28
Naphthalene
Concen: 604.540 ng/ul m
RT: 10.24 min Scan# 1233
Delta R.T. 0.01 min
Lab File: BN009685.D
Acq: 10 Feb 2020 15:00

Instrument :
BNA_N
ClientSampleId :
GAT71ME

Tot Ion:128 Resp:18929480
Ion Ratio Lower Upper
128 100
129 11.8 8.7 13.1
127 14.0 10.7 16.1

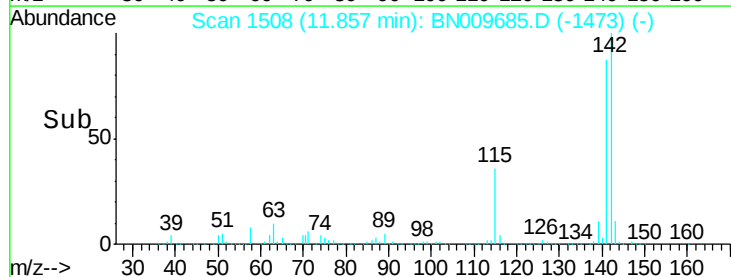
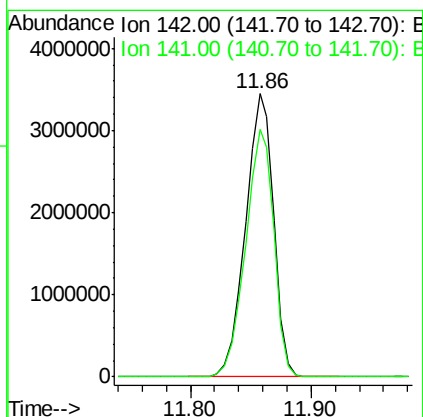
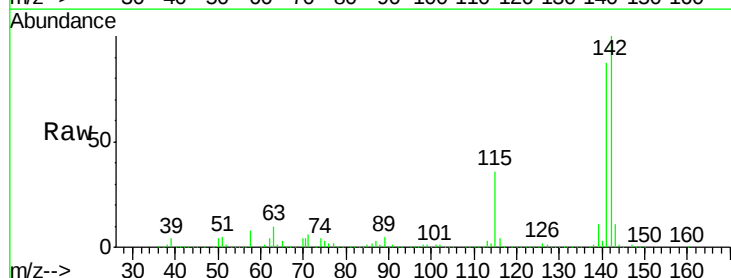
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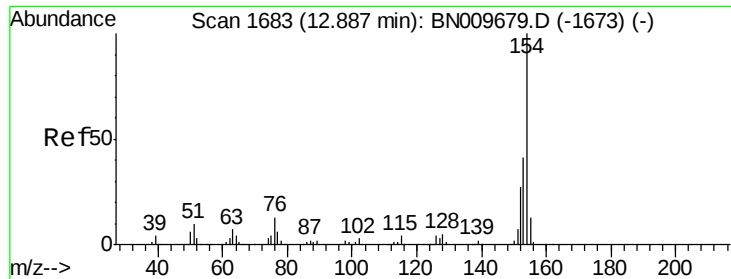
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#34
2-Methylnaphthalene
Concen: 253.822 ng/ul
RT: 11.86 min Scan# 1508
Delta R.T. 0.01 min
Lab File: BN009685.D
Acq: 10 Feb 2020 15:00

Tgt Ion:142 Resp: 5561930
Ion Ratio Lower Upper
142 100
141 87.3 71.5 107.3





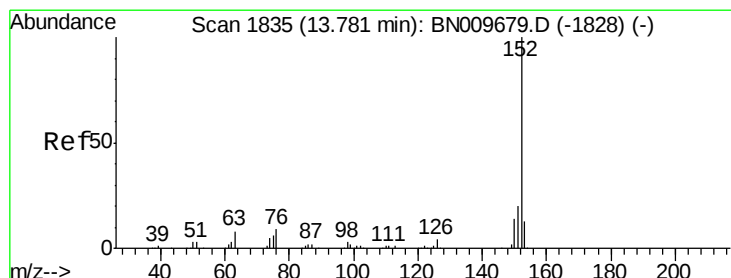
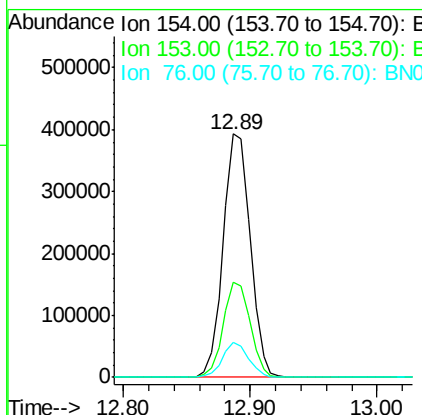
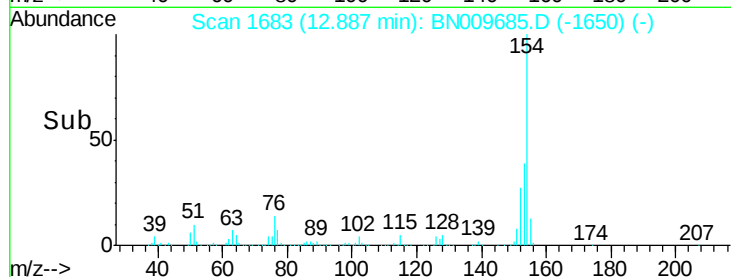
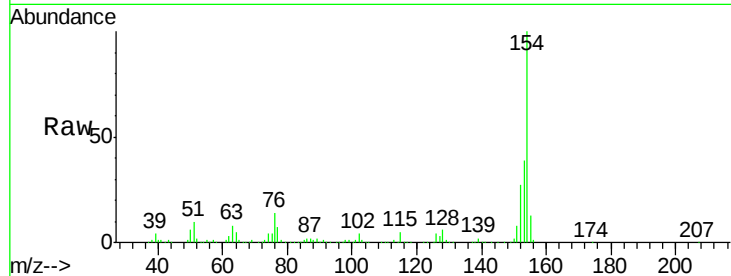
#40
1,1'-Biphenyl
Concen: 21.012 ng/ul
RT: 12.89 min Scan# 1683
Delta R.T. -0.01 min
Lab File: BN009685.D
Acq: 10 Feb 2020 15:00

Instrument :
BNA_N
ClientSampleId :
GAT71ME

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	39.0	31.2	46.8	
76	14.3	11.4	17.2	

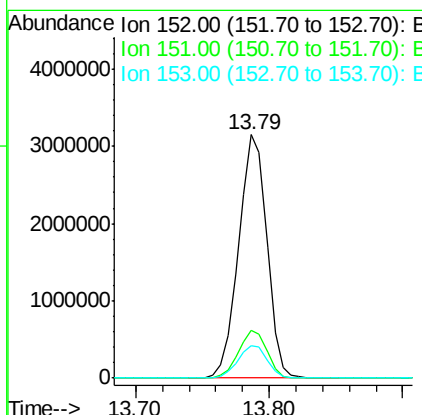
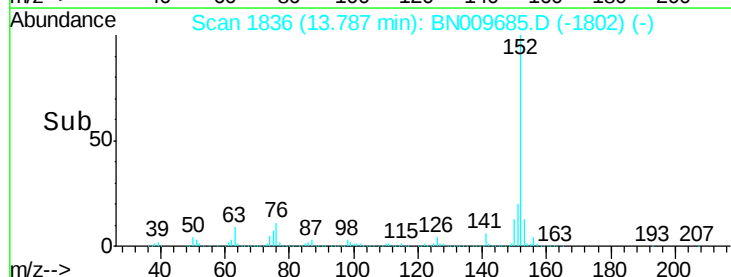
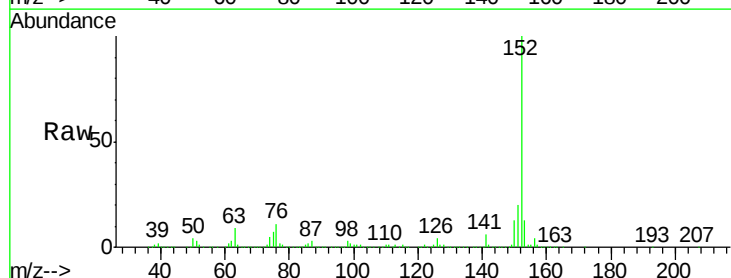
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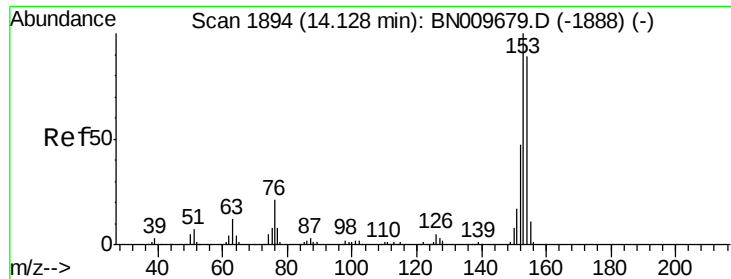
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#47
Acenaphthylene
Concen: 134.261 ng/ul
RT: 13.79 min Scan# 1836
Delta R.T. 0.00 min
Lab File: BN009685.D
Acq: 10 Feb 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	19.6	16.2	24.2	
153	13.4	10.6	15.8	





#49

Acenaphthene

Concen: 12.545 ng/ul

RT: 14.13 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BN009685.D

Acq: 10 Feb 2020 15:00

Instrument :

BNA_N

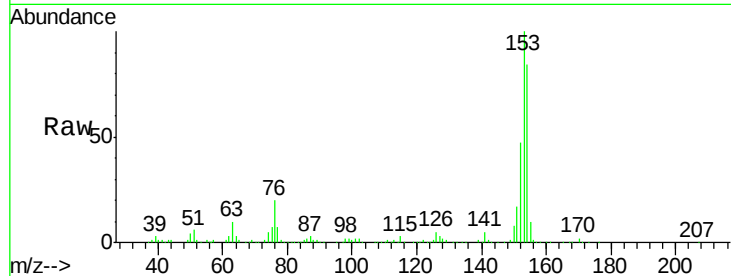
ClientSampled :

GAT71ME

Tot Ion:	153	Resp:	293043
Ion Ratio	Lower	Upper	
153	100		
152	46.9	37.3	55.9
154	84.1	70.2	105.2

Manual Integrations
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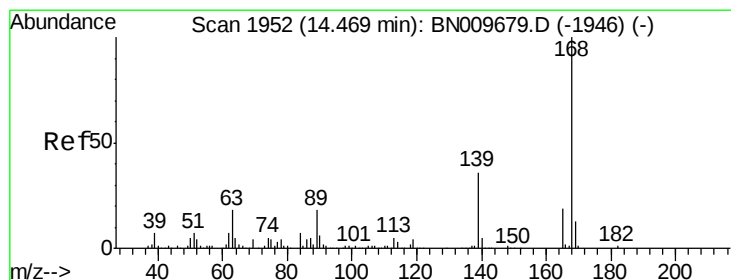
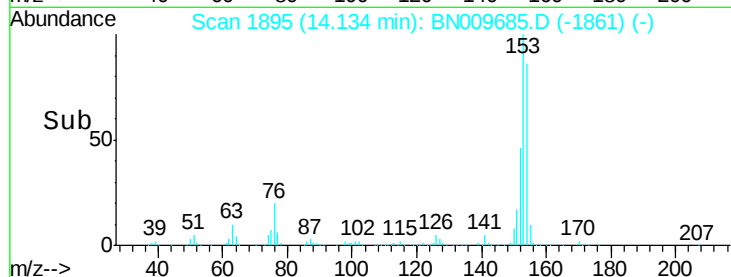
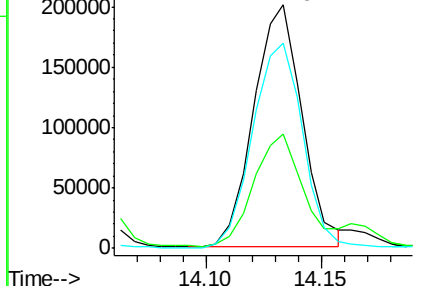
mohammad
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 10.166 ng/ul

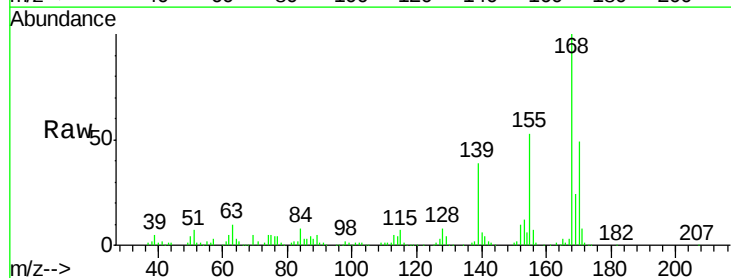
RT: 14.47 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BN009685.D

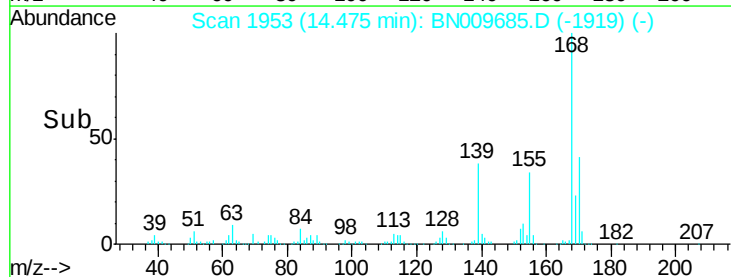
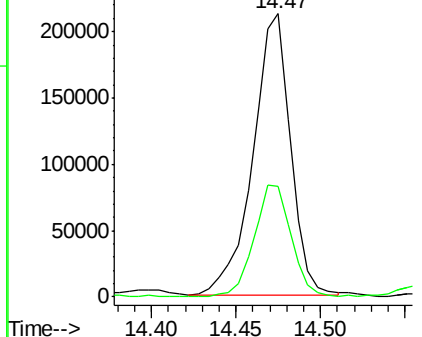
Acq: 10 Feb 2020 15:00

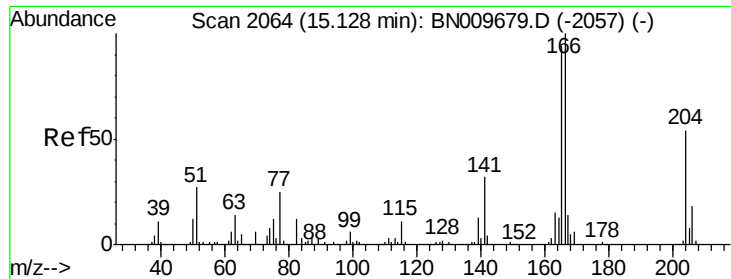
Tgt Ion:	168	Resp:	330657
Ion Ratio	Lower	Upper	
168	100		
139	39.1	29.5	44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





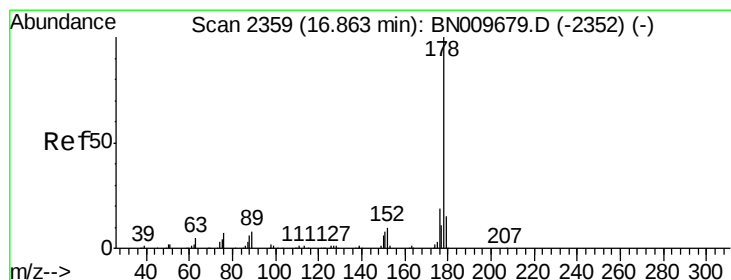
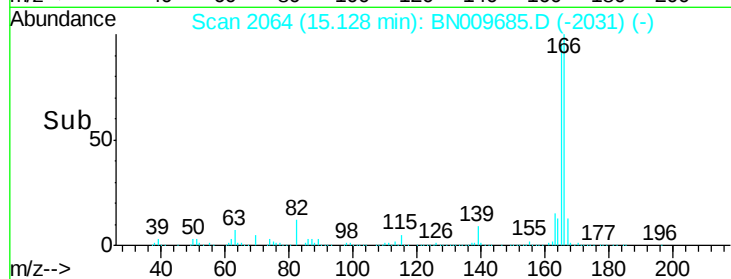
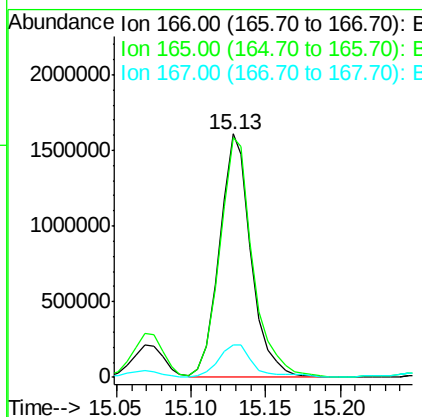
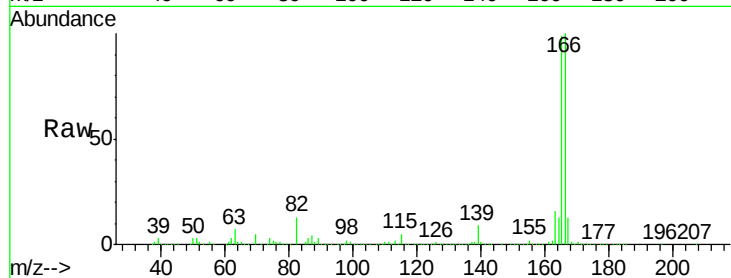
#58
Fluorene
 Concen: 87.301 ng/ul
 RT: 15.13 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: BN009685.D
 Acq: 10 Feb 2020 15:00

Instrument :
 BNA_N
 ClientSampleId :
 GAT71ME

Tot Ion:166 Resp: 2373194
 Ion Ratio Lower Upper
 166 100
 165 98.6 76.7 115.1
 167 13.5 11.1 16.7

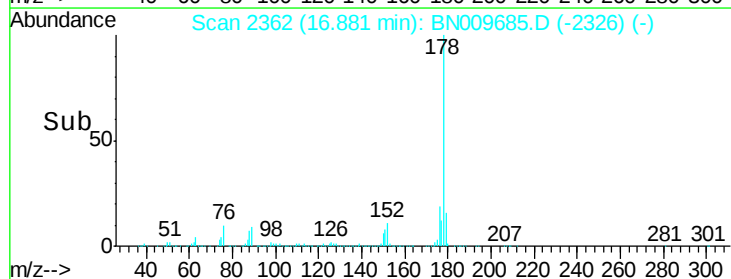
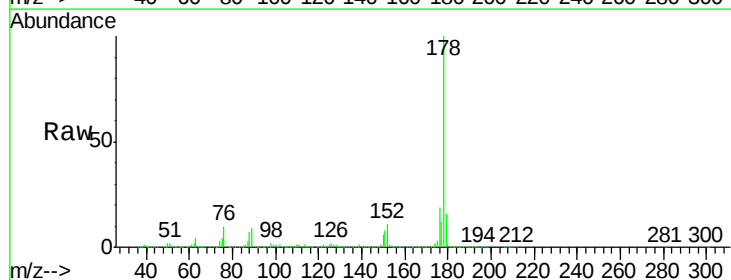
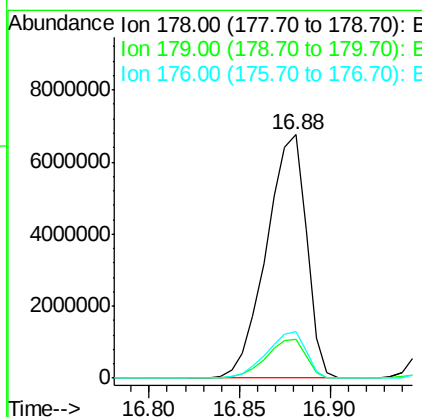
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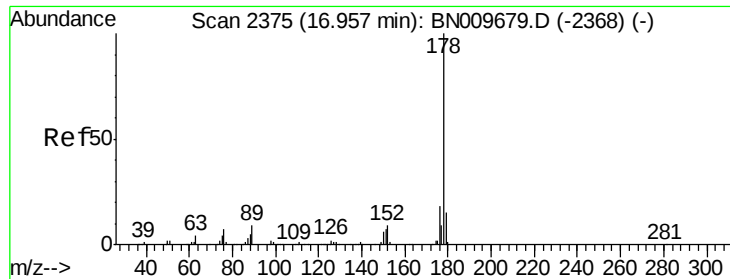
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#69
Phenanthrene
 Concen: 248.551 ng/ul
 RT: 16.88 min Scan# 2362
 Delta R.T. 0.01 min
 Lab File: BN009685.D
 Acq: 10 Feb 2020 15:00

Tgt Ion:178 Resp:10389008
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.2 18.2
 176 18.8 14.8 22.2





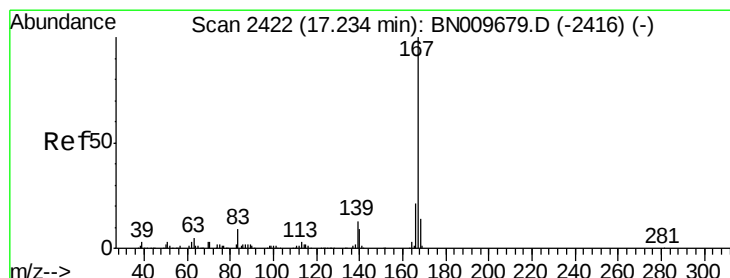
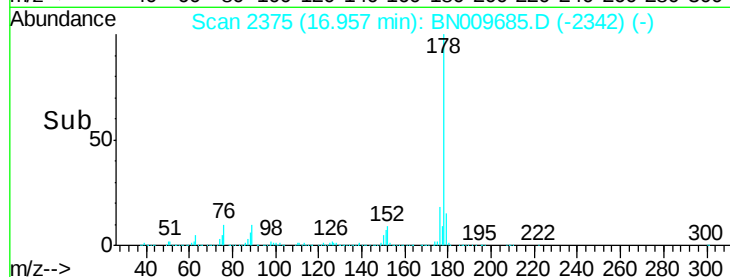
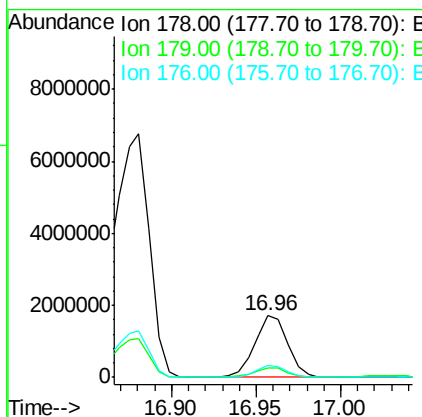
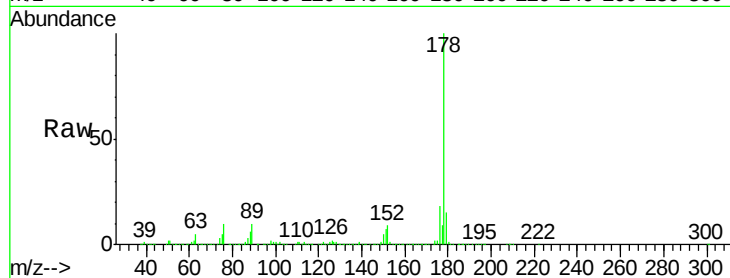
#71
 Anthracene
 Concen: 54.124 ng/ul
 RT: 16.96 min Scan# 2375
 Delta R.T. -0.01 min
 Lab File: BN009685.D
 Acq: 10 Feb 2020 15:00

Instrument :
 BNA_N
 ClientSampleId :
 GAT71ME

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.1	18.1
176	18.4	14.6	21.8

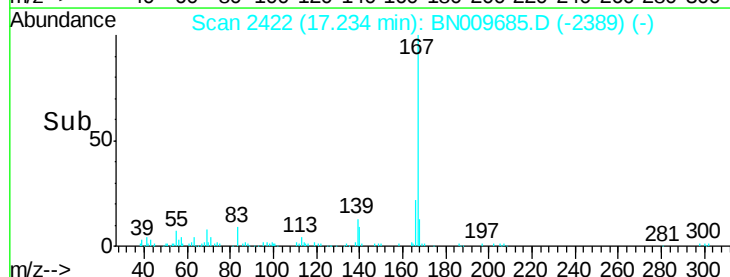
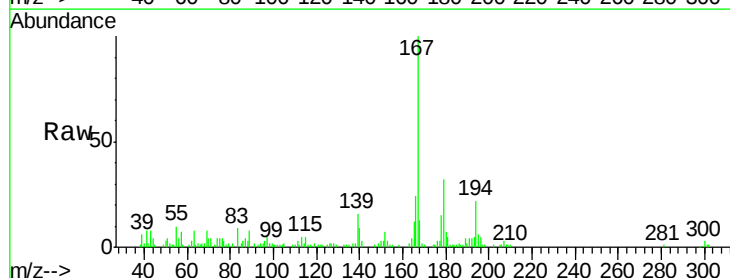
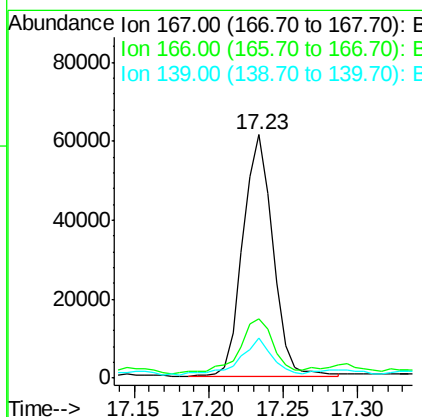
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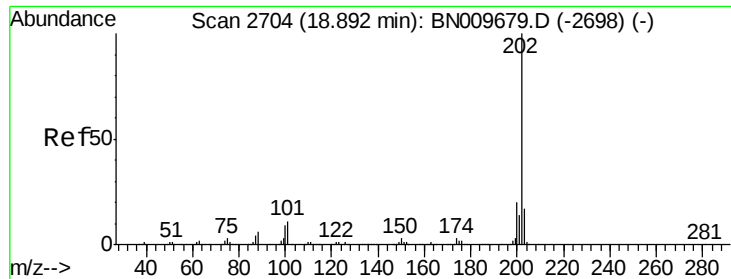
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#74
 Carbazole
 Concen: 2.316 ng/ul
 RT: 17.23 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BN009685.D
 Acq: 10 Feb 2020 15:00

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.4	16.2	24.4#
139	16.3	10.4	15.6#





#76

Fluoranthene

Concen: 84.122 ng/ul

RT: 18.90 min Scan# 2705

Delta R.T. 0.00 min

Lab File: BN009685.D

Acq: 10 Feb 2020 15:00

Instrument :

BNA_N

ClientSampleId :

GAT71ME

Tot Ion:202 Resp: 4013062

Ion Ratio Lower Upper

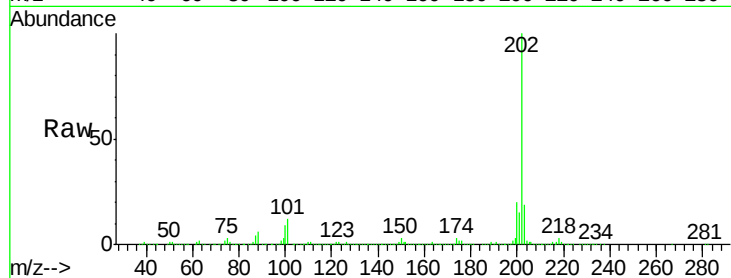
202 100

101 11.6 9.2 13.8

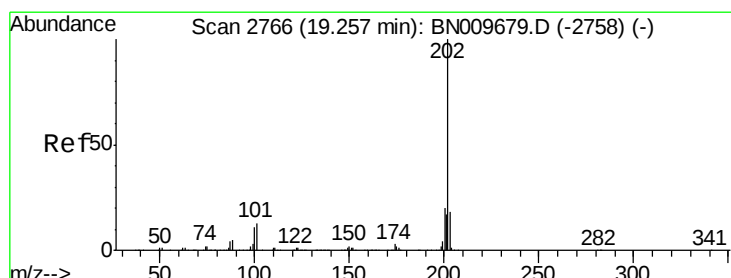
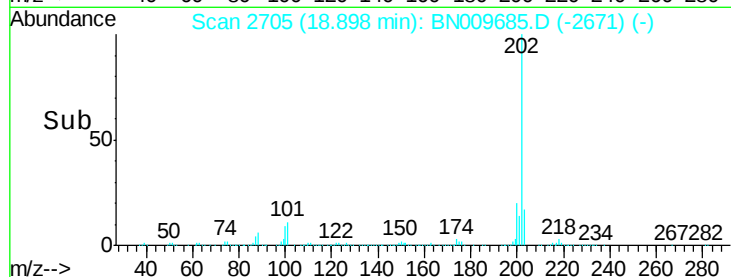
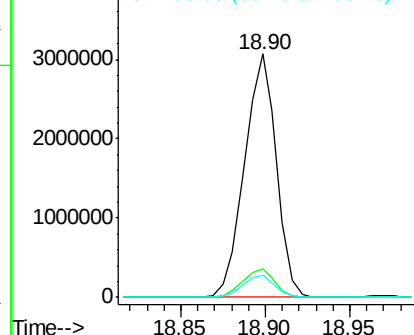
100 9.2 6.9 10.3

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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: 108.585 ng/ul

RT: 19.27 min Scan# 2768

Delta R.T. 0.01 min

Lab File: BN009685.D

Acq: 10 Feb 2020 15:00

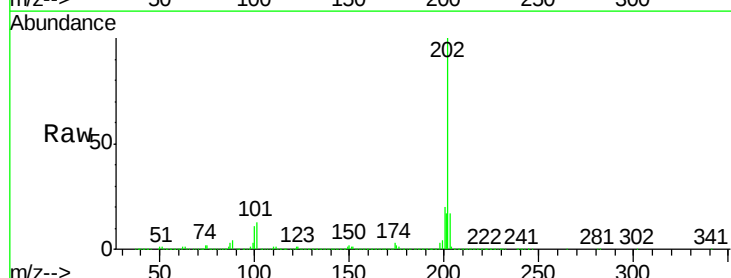
Tgt Ion:202 Resp: 5501942

Ion Ratio Lower Upper

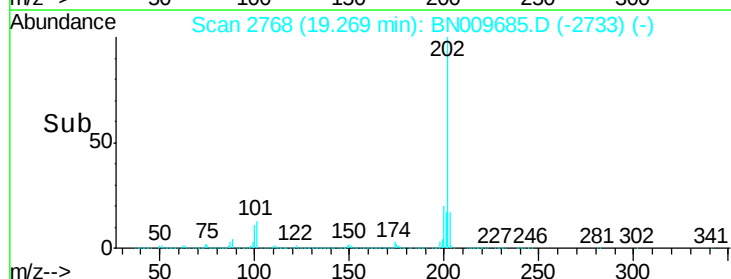
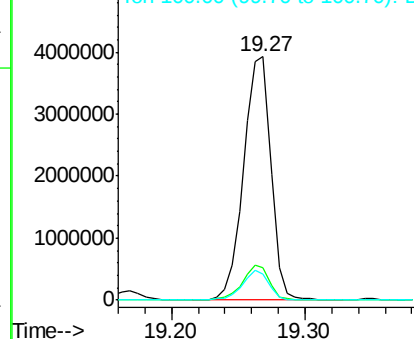
202 100

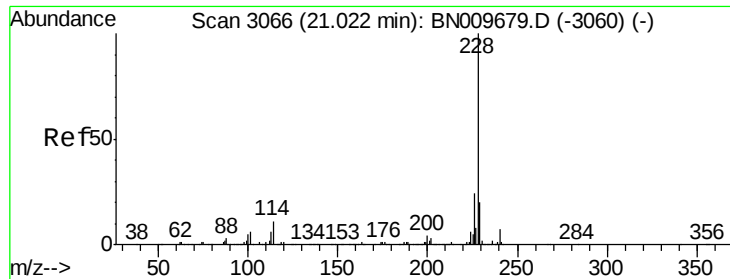
101 13.2 10.3 15.5

100 10.8 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: 41.208 ng/ul

RT: 21.03 min Scan# 3067

Delta R.T. -0.01 min

Lab File: BN009685.D

Acq: 10 Feb 2020 15:00

Instrument :

BNA_N

ClientSampleId :

GAT71ME

Tot Ion:228 Resp: 1974841

Ion Ratio Lower Upper

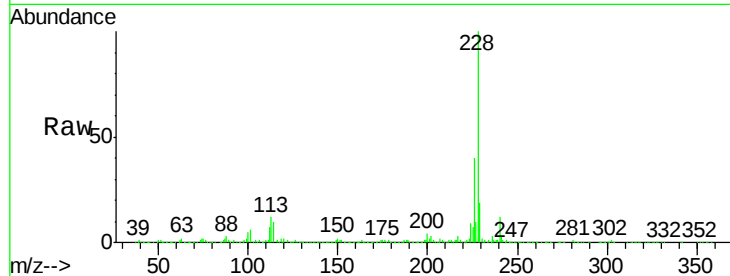
228 100

229 19.4 15.0 22.4

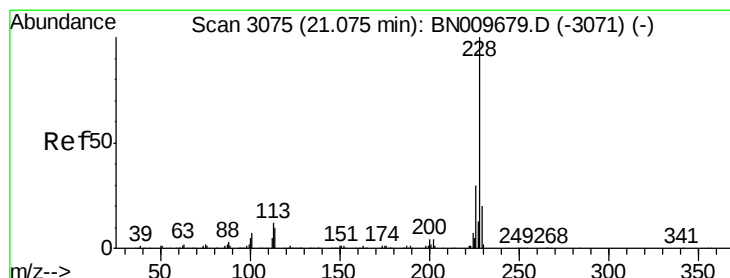
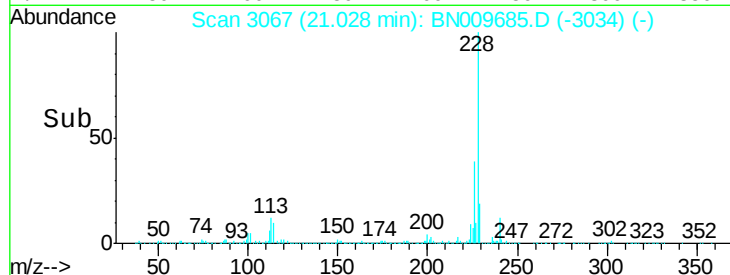
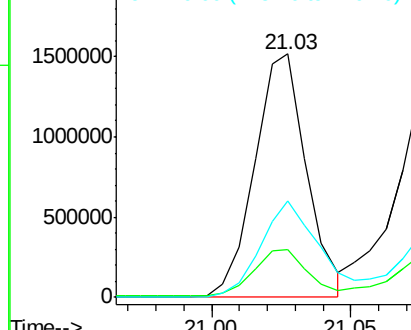
226 39.6 20.9 31.3#

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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: 34.551 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BN009685.D

Acq: 10 Feb 2020 15:00

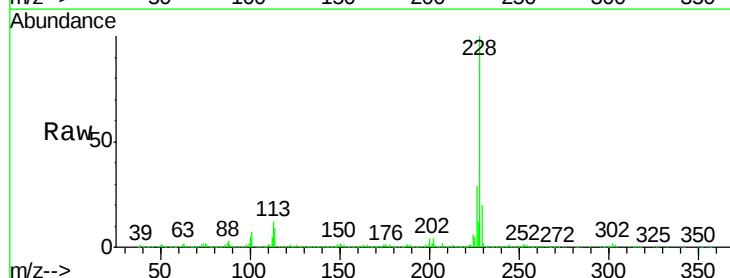
Tgt Ion:228 Resp: 1648428

Ion Ratio Lower Upper

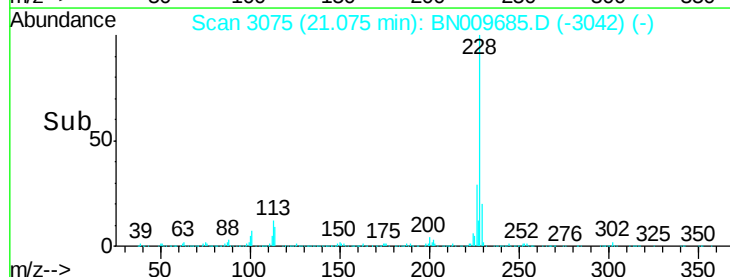
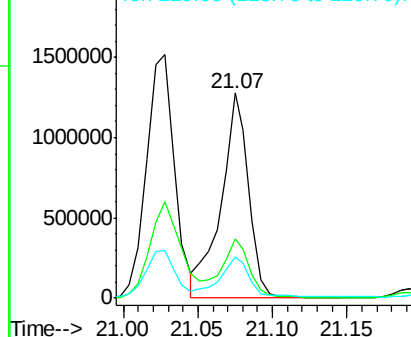
228 100

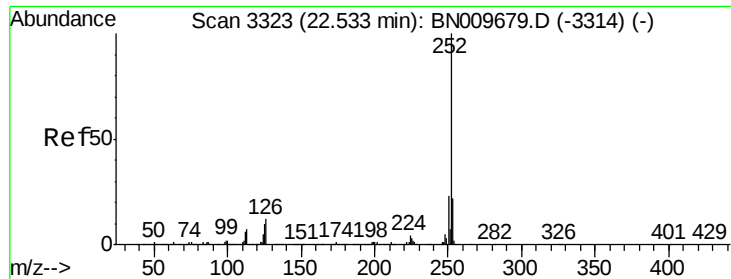
226 29.2 23.5 35.3

229 19.9 15.8 23.8



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





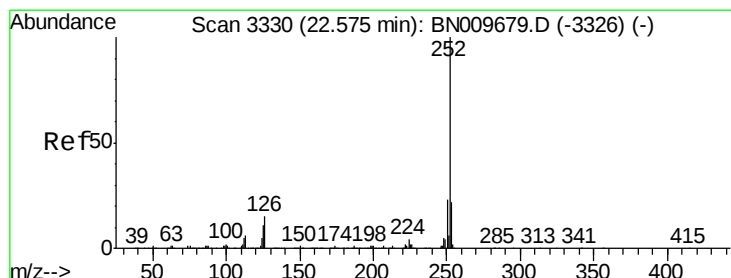
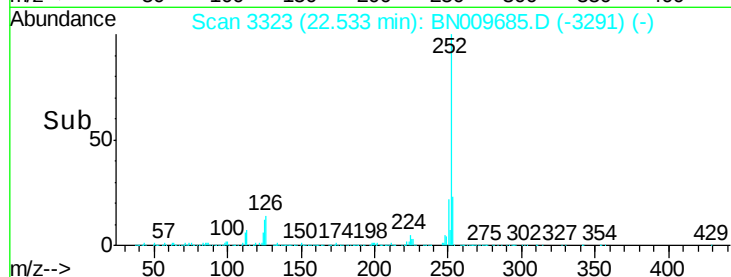
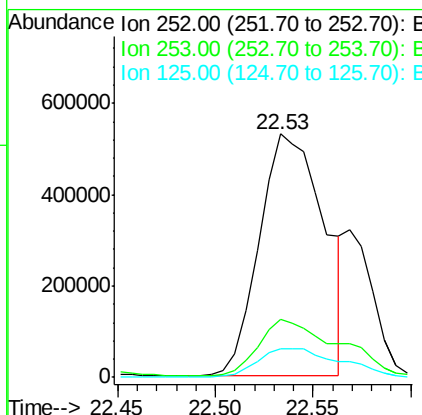
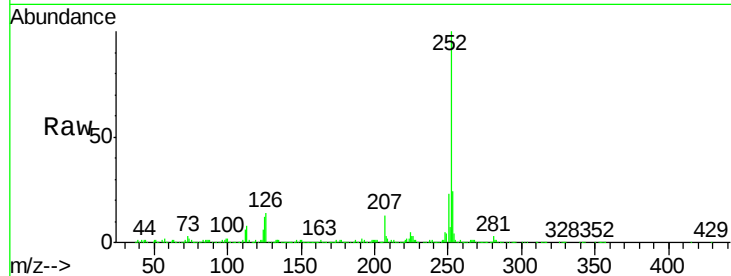
#87
Benzo(b)fluoranthene
Concen: 27.398 ng/ul
RT: 22.53 min Scan# 3323
Delta R.T. -0.01 min
Lab File: BN009685.D
Acq: 10 Feb 2020 15:00

Instrument :
BNA_N
ClientSampleId :
GAT71ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	11.9	8.2	12.2

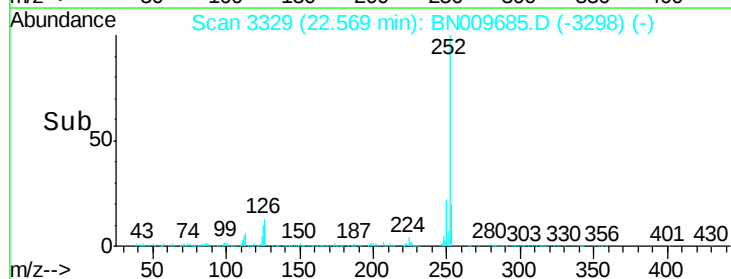
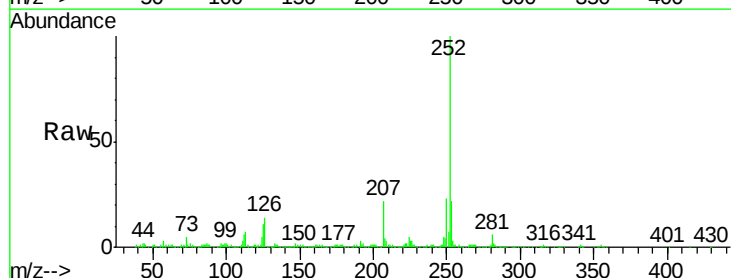
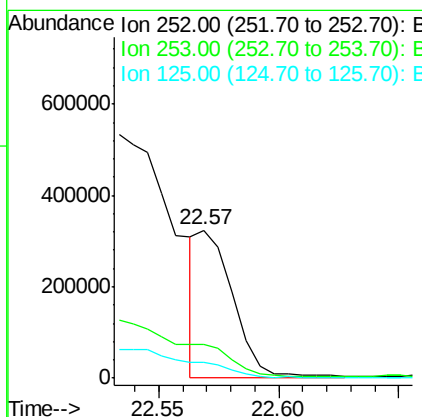
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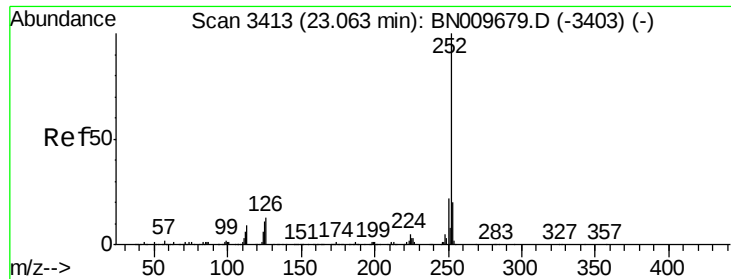
mohammad
2/12/2020 9:51:20 AM



#88
Benzo(k)fluoranthene
Concen: 7.663 ng/ul m
RT: 22.57 min Scan# 3329
Delta R.T. -0.02 min
Lab File: BN009685.D
Acq: 10 Feb 2020 15:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.4
125	11.0	8.0	12.0





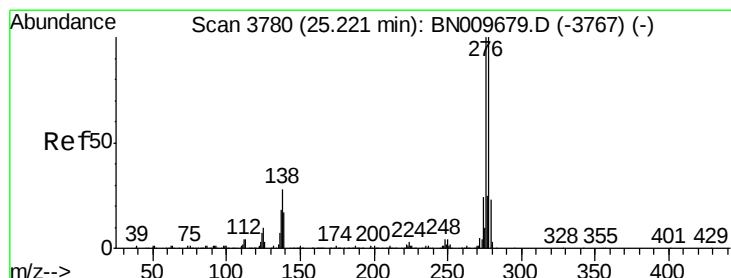
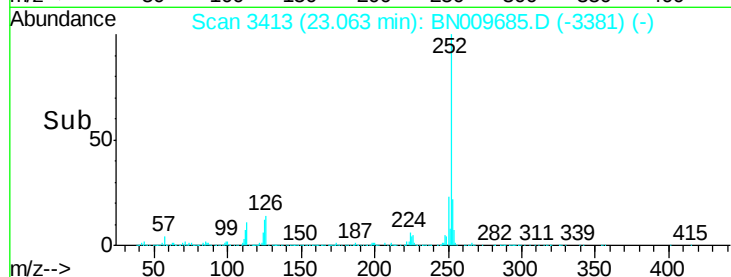
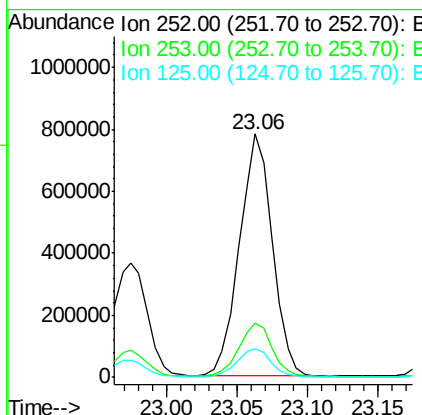
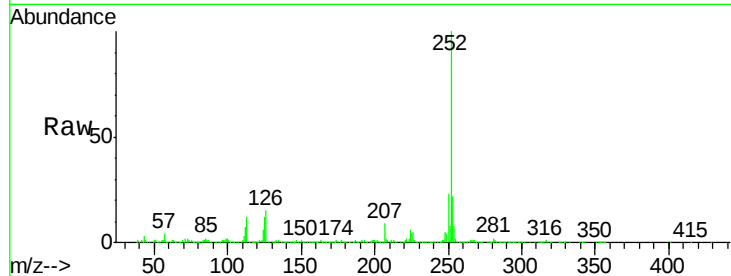
#90
Benzo(a)pyrene
Concen: 31.001 ng/uL
RT: 23.06 min Scan# 3413
Delta R.T. -0.01 min
Lab File: BN009685.D
Acq: 10 Feb 2020 15:00

Instrument :
BNA_N
ClientSampled :
GAT71ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	15.8	23.8
125	11.8	8.7	13.1

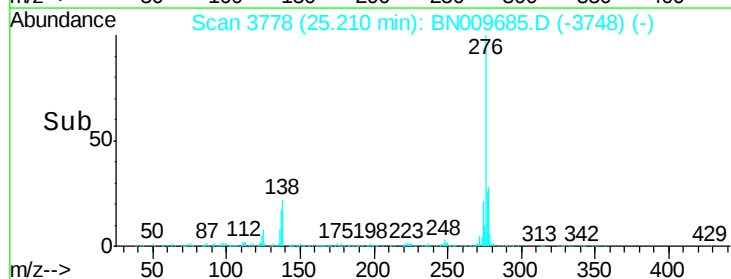
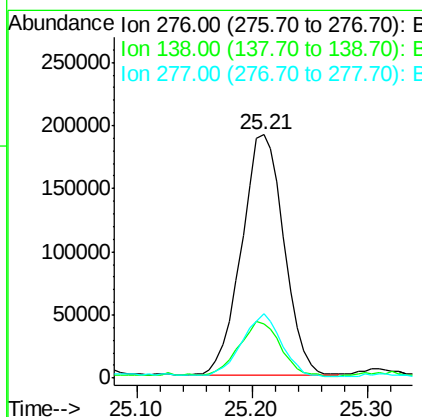
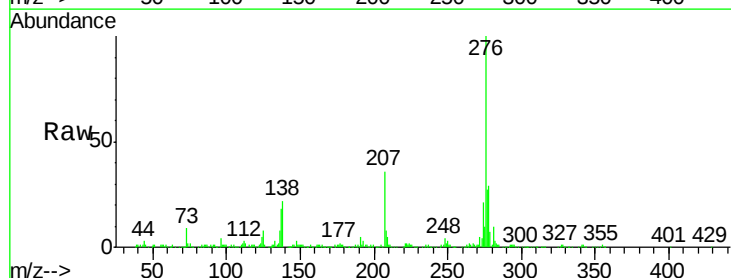
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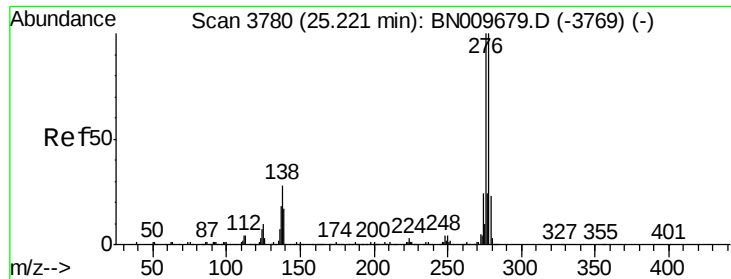
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#91
Indeno(1,2,3-cd)pyrene
Concen: 9.980 ng/uL
RT: 25.21 min Scan# 3778
Delta R.T. -0.02 min
Lab File: BN009685.D
Acq: 10 Feb 2020 15:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.3	30.5
277	26.7	21.2	31.8





#92

Dibenzo(a,h)anthracene

Concen: 3.801 ng/ul

RT: 25.21 min Scan# 3778

Delta R.T. -0.03 min

Lab File: BN009685.D

Acq: 10 Feb 2020 15:00

Instrument :

BNA_N

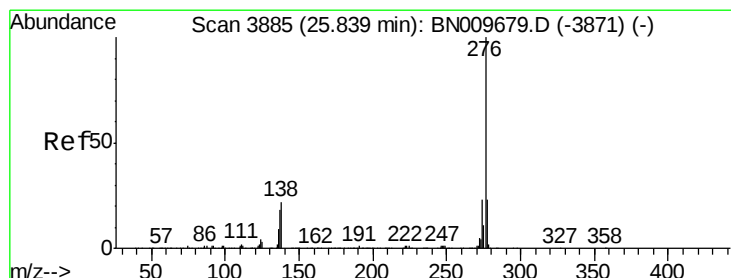
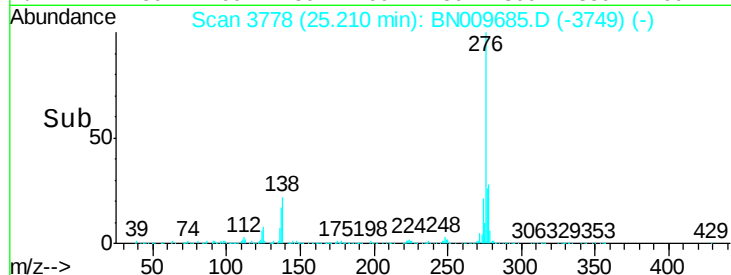
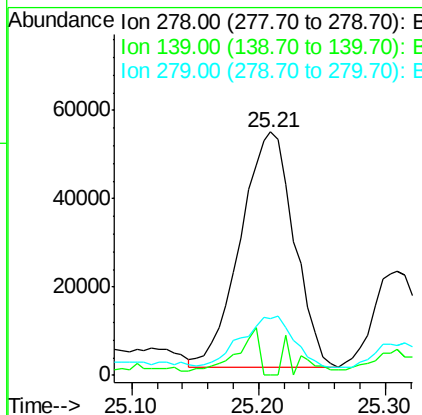
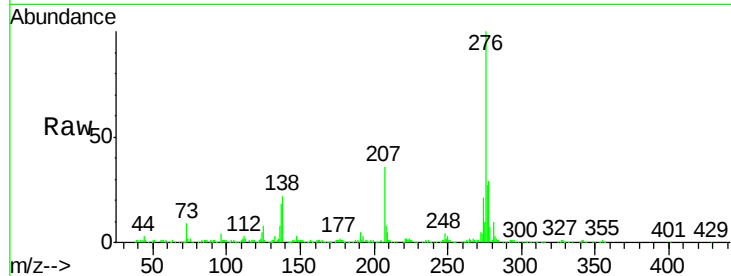
ClientSampleId :

GAT71ME

Tot Ion:	278	Resp:	156490
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.7	19.1#
279	23.3	19.8	29.8

Manual Integrations
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mohammad
2/12/2020 9:51:20 AM



#93

Benzo(g,h,i)perylene

Concen: 9.810 ng/ul

RT: 25.83 min Scan# 3884

Delta R.T. -0.02 min

Lab File: BN009685.D

Acq: 10 Feb 2020 15:00

Tgt Ion:	276	Resp:	402093
Ion Ratio	Lower	Upper	
276	100		
138	23.5	16.0	24.0
277	22.3	17.0	25.6

