

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 01:39:26 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

					Qvalue	
17) Hexachloroethane	8.45	117	20694	4.962	ng/ul#	8
30) 4-Chloroaniline	10.25	127	2829164	283.835	ng/ul#	8
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
41) 2-Chloronaphthalene	13.03	162	22184	1.019	ng/ul#	52
44) Dimethylphthalate	13.54	163	68645	2.489	ng/ul#	96
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
54) 2,4-Dinitrotoluene	14.44	165	16980	2.150	ng/ul#	54
58) Fluorene	15.13	166	2373194	87.301	ng/ul	97
60) 4-Nitroaniline	15.13	138	29110	4.677	ng/ul#	14
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	21.07	228	1648428	34.397	ng/ul	95
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	22.53	252	1216380	27.820	ng/ul	95
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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021020\
Quantitation Report (Not Reviewed)

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

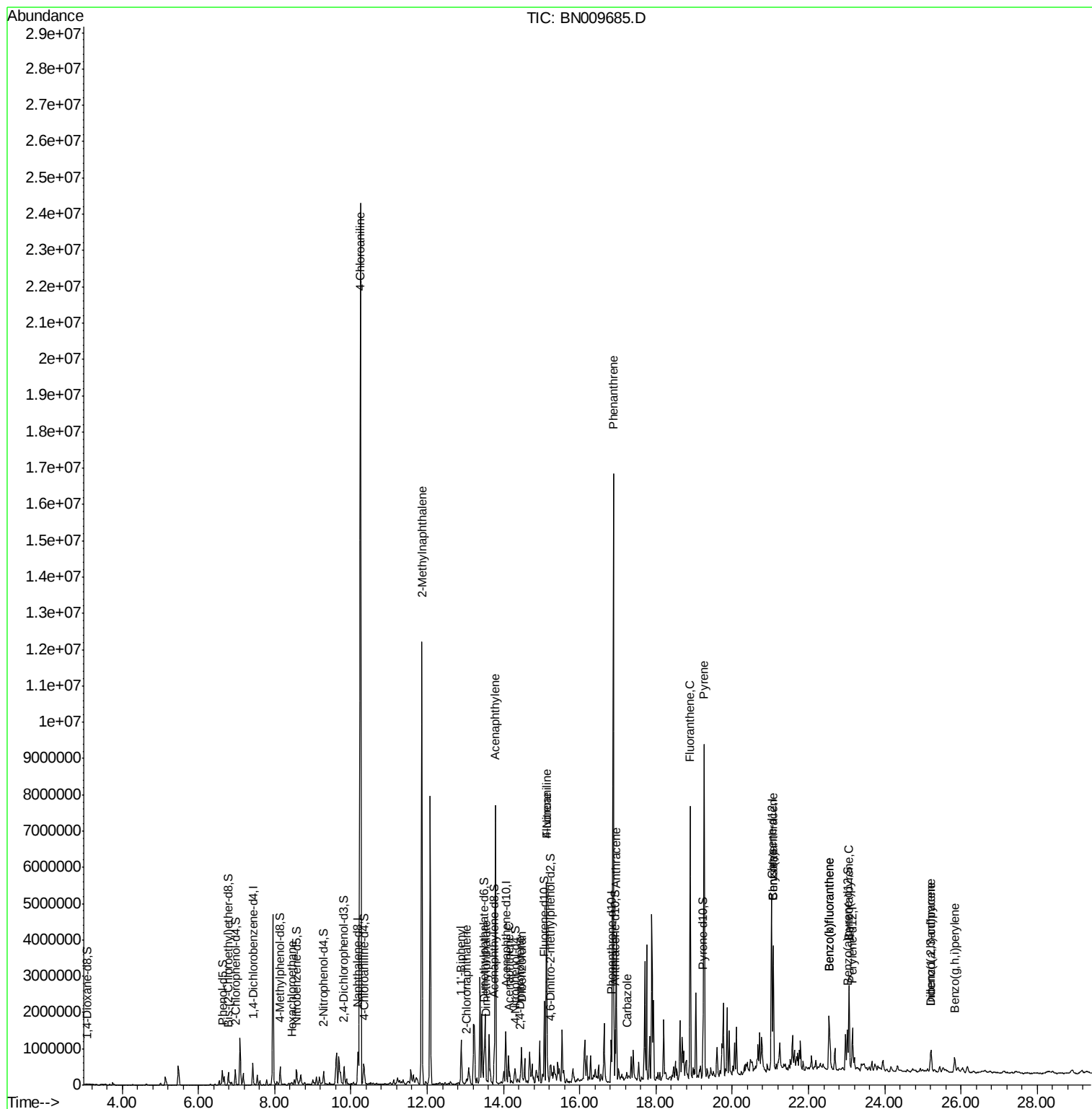
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Dibenzo(a,h)anthracene	25.21	278	156490	3.801	ng/ul#	84
93) Benzo(g,h,i)perylene	25.83	276	402093	9.810	ng/ul	95

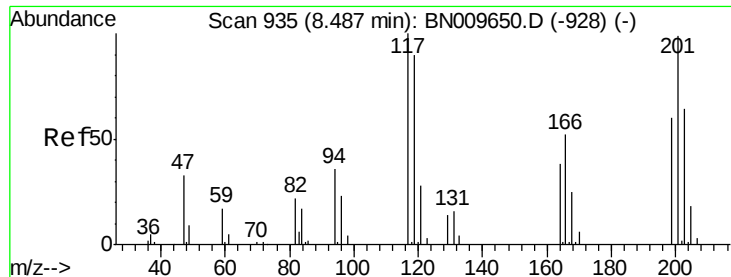
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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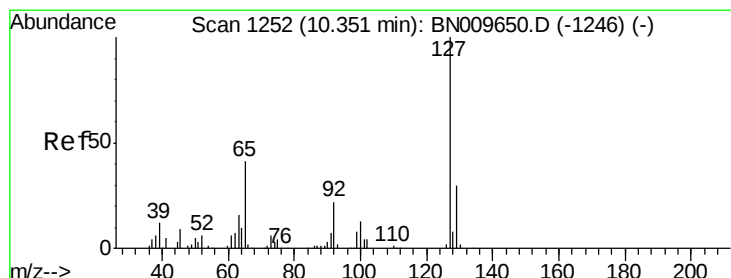
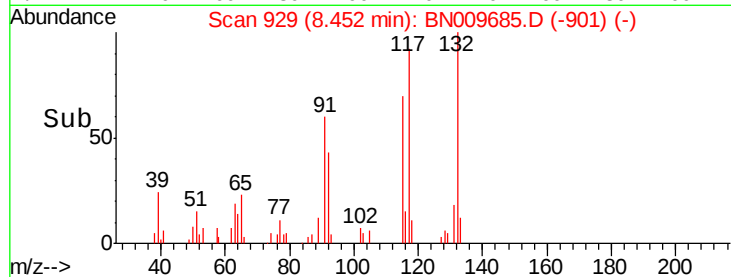
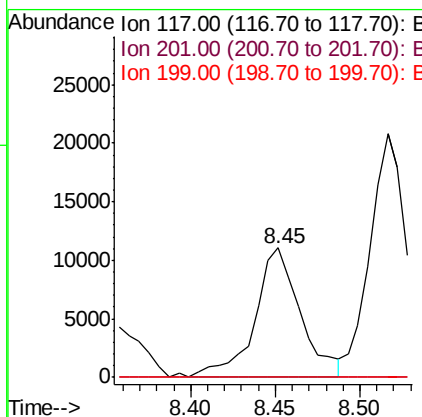
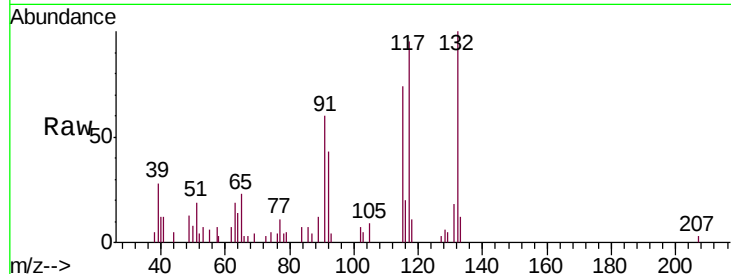




#17
Hexachloroethane
Concen: 4.962 ng/ul
RT: 8.45 min Scan# 929
Delta R.T. -0.04 min
Lab File: BN009685.D
Acq: 10 Feb 2020 15:00

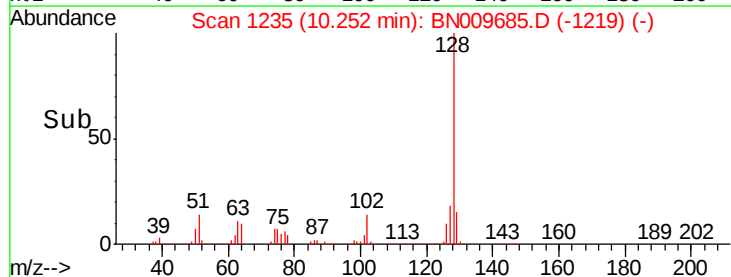
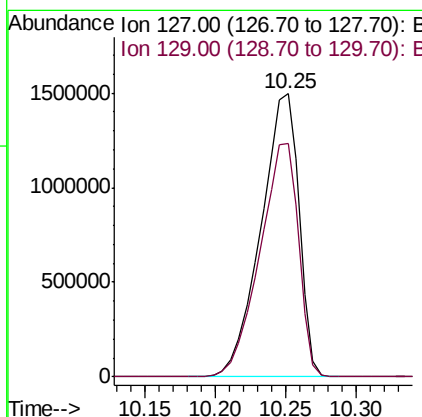
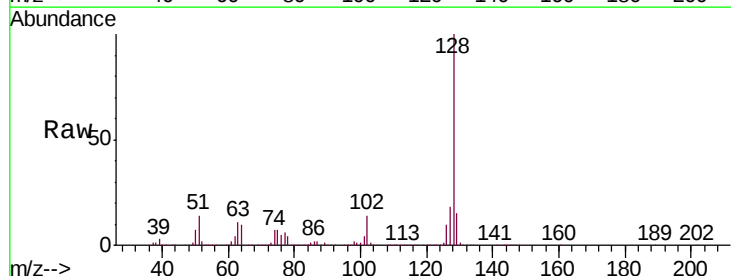
Instrument :
BNA_N
ClientSampled :
GAT71ME

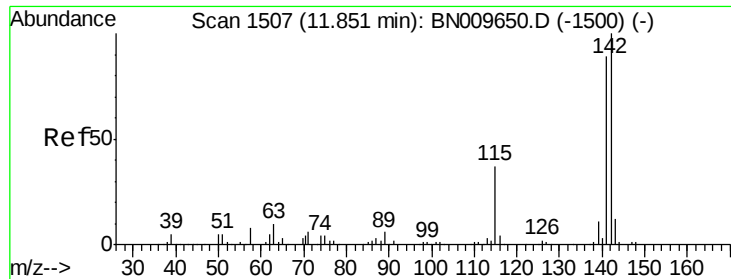
Tgt Ion:117 Resp: 20694
Ion Ratio Lower Upper
117 100
201 0.0 78.8 118.2#
199 0.0 49.0 73.4#



#30
4-Chloroaniline
Concen: 283.835 ng/ul
RT: 10.25 min Scan# 1235
Delta R.T. -0.11 min
Lab File: BN009685.D
Acq: 10 Feb 2020 15:00

Tgt Ion:127 Resp: 2829164
Ion Ratio Lower Upper
127 100
129 82.6 25.2 37.8#

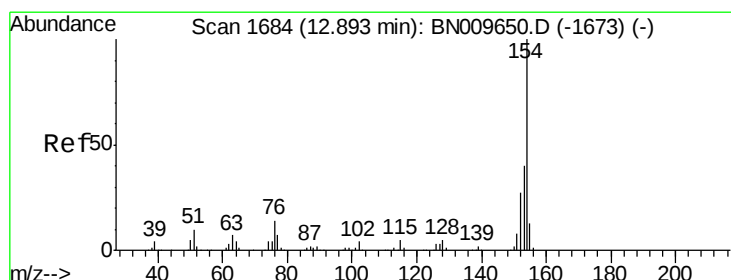
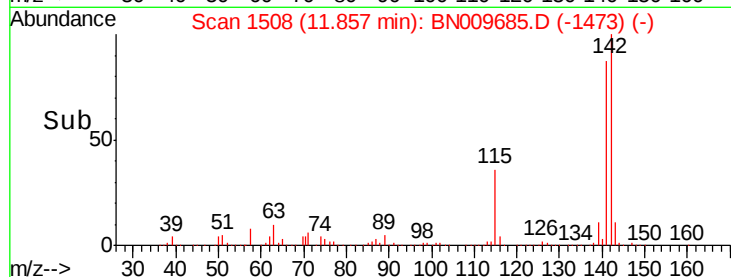
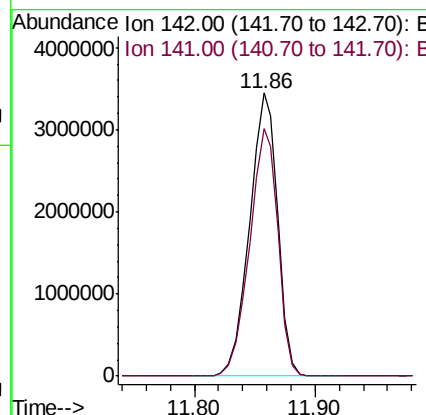
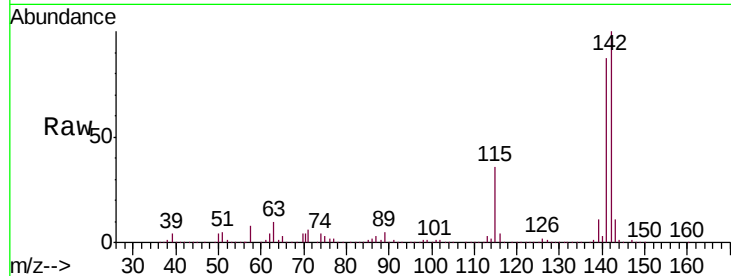




#34
2-Methylnaphthalene
Concen: 253.822 ng/ul
RT: 11.86 min Scan# 1508
Delta R.T. 0.01 min
Lab File: BN009685.D
Acq: 10 Feb 2020 15:00

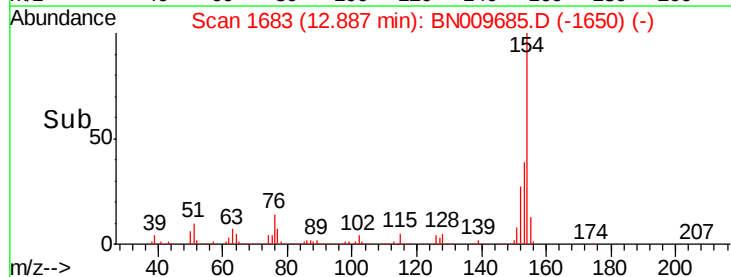
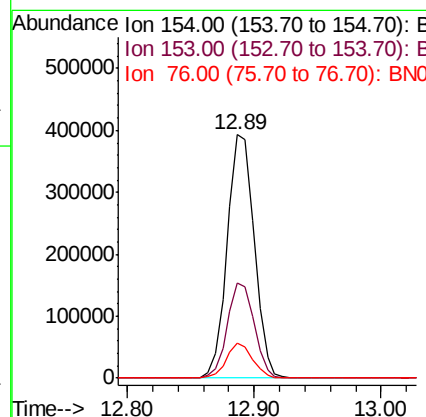
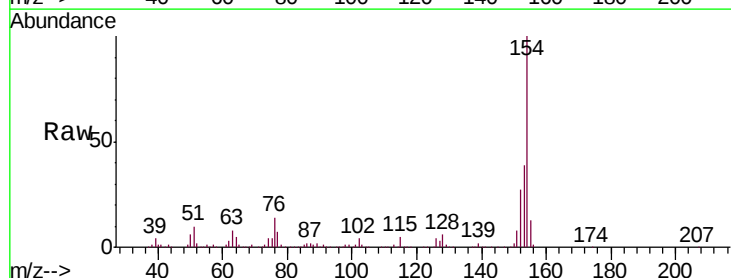
Instrument :
BNA_N
ClientSampleId :
GAT71ME

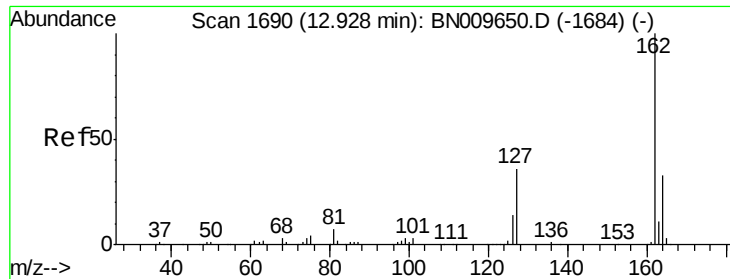
Tgt Ion:142 Resp: 5561930
Ion Ratio Lower Upper
142 100
141 87.3 71.5 107.3



#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

Tgt Ion:154 Resp: 582353
Ion Ratio Lower Upper
154 100
153 39.0 31.2 46.8
76 14.3 11.4 17.2

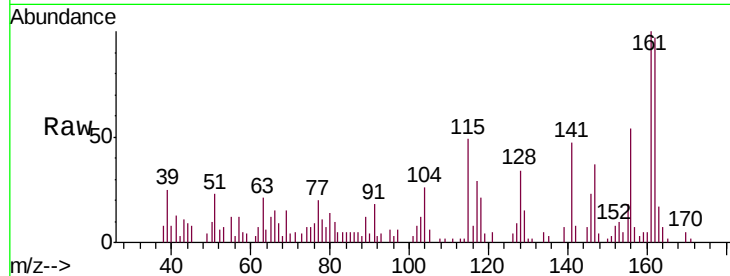




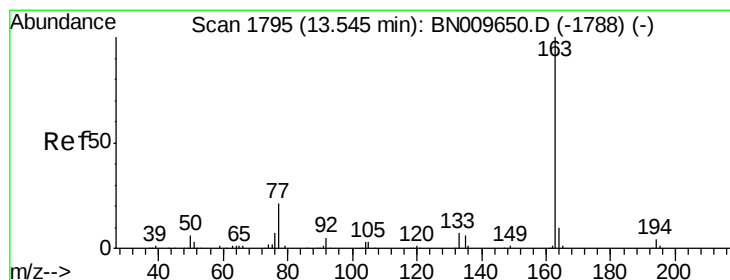
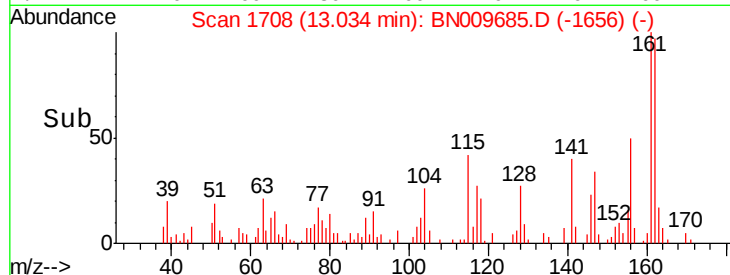
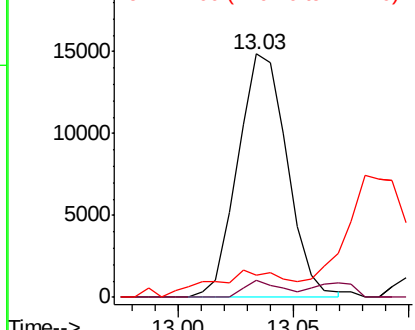
#41
2-Chloronaphthalene
Concen: 1.019 ng/ul
RT: 13.03 min Scan# 1708
Delta R.T. 0.11 min
Lab File: BN009685.D
Acq: 10 Feb 2020 15:00

Instrument :
BNA_N
ClientSampleId :
GAT71ME

Tgt Ion:162 Resp: 22184
Ion Ratio Lower Upper
162 100
164 6.8 27.0 40.4#
127 9.3 31.8 47.8#

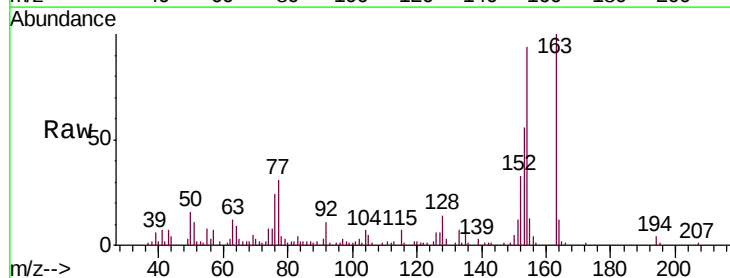


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 127.00 (126.70 to 127.70): E

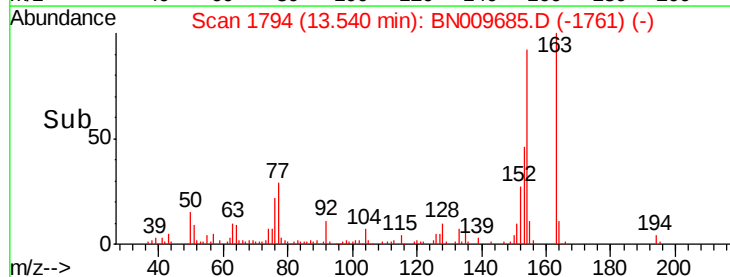
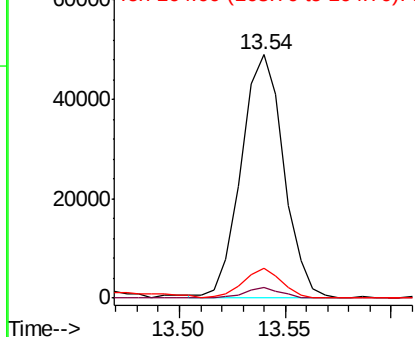


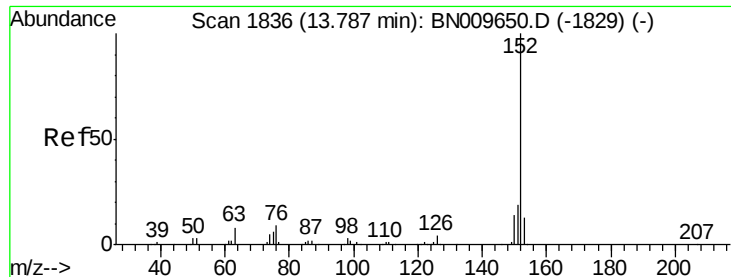
#44
Dimethylphthalate
Concen: 2.489 ng/ul
RT: 13.54 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BN009685.D
Acq: 10 Feb 2020 15:00

Tgt Ion:163 Resp: 68645
Ion Ratio Lower Upper
163 100
194 4.4 3.5 5.3
164 12.2 8.0 12.0#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#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

Instrument :

BNA_N

ClientSampleId :

GAT71ME

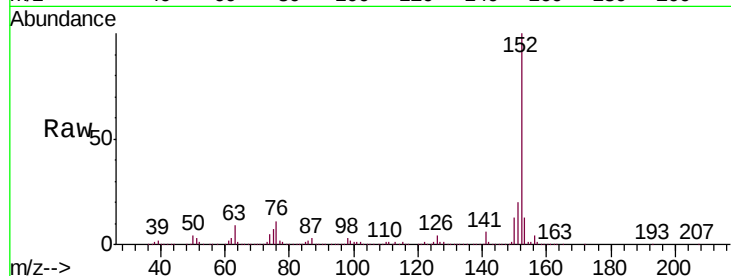
Tgt Ion:152 Resp: 4613221

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.2

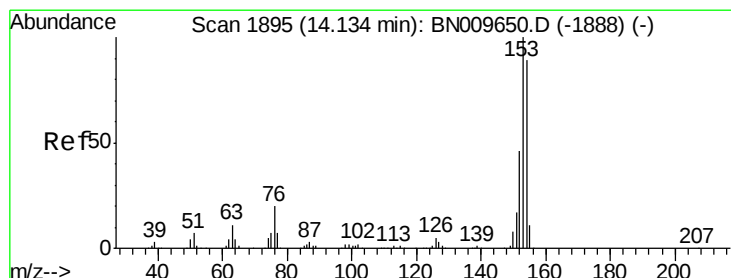
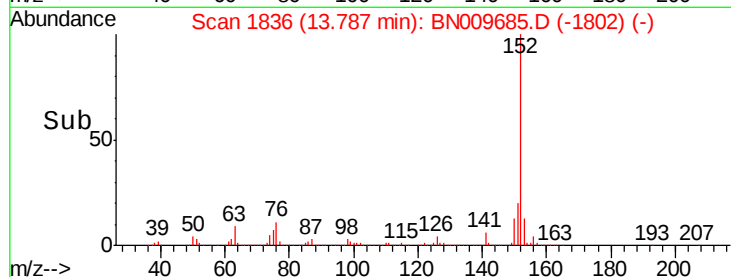
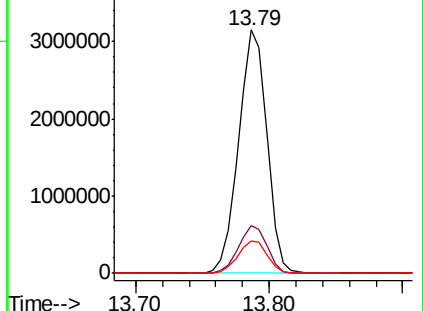
153 13.4 10.6 15.8



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: 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

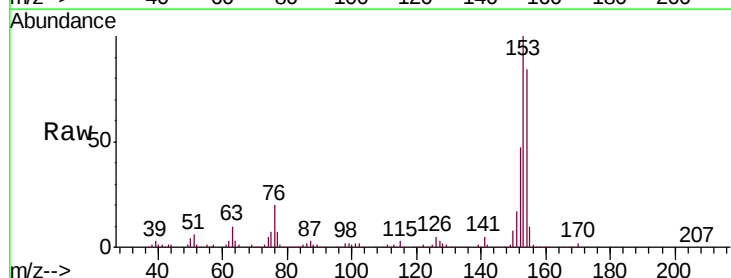
Tgt Ion:153 Resp: 293043

Ion Ratio Lower Upper

153 100

152 46.9 37.3 55.9

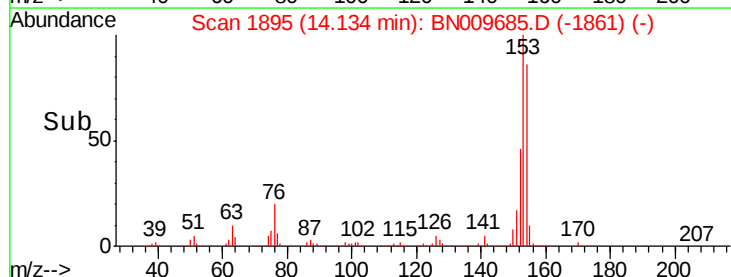
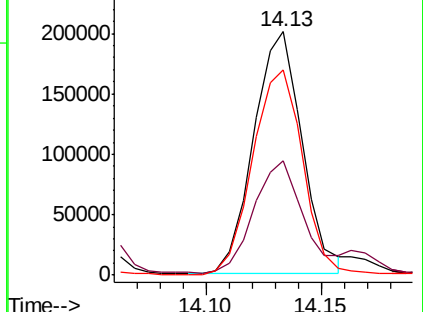
154 84.1 70.2 105.2

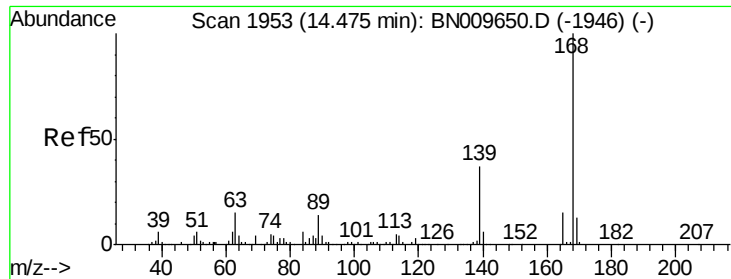


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 10.166 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. 0.00 min

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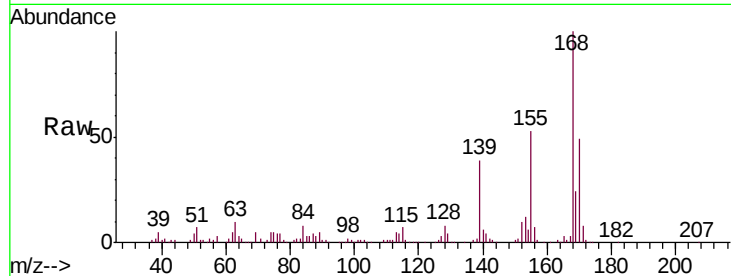
GAT71ME

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

250000

200000

150000

100000

50000

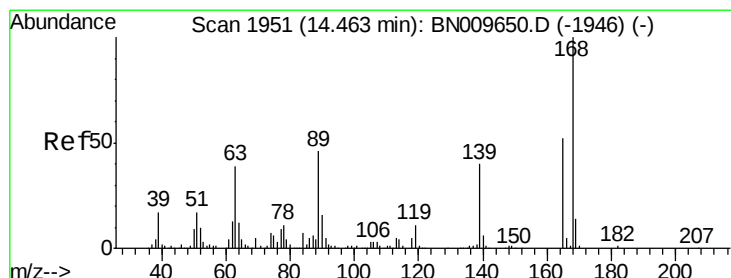
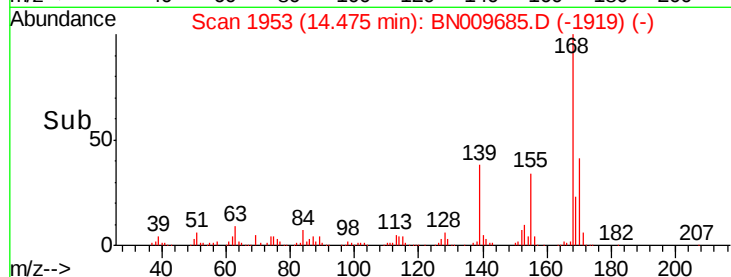
0

14.40

14.45

14.50

Time-->



#54

2,4-Dinitrotoluene

Concen: 2.150 ng/ul

RT: 14.44 min Scan# 1947

Delta R.T. -0.03 min

Lab File: BN009685.D

Acq: 10 Feb 2020 15:00

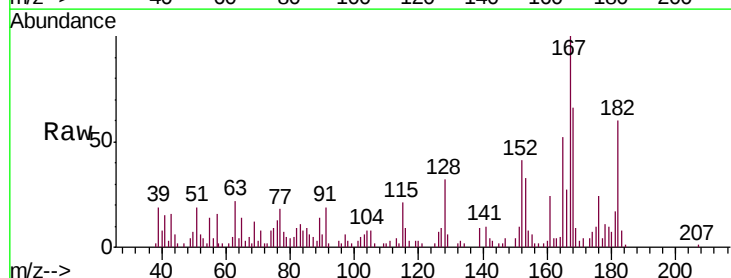
Tgt Ion:165 Resp: 16980

Ion Ratio Lower Upper

165 100

63 42.0 55.0 82.4#

182 115.2 2.4 3.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BN0

Ion 182.00 (181.70 to 182.70): E

30000

25000

20000

15000

10000

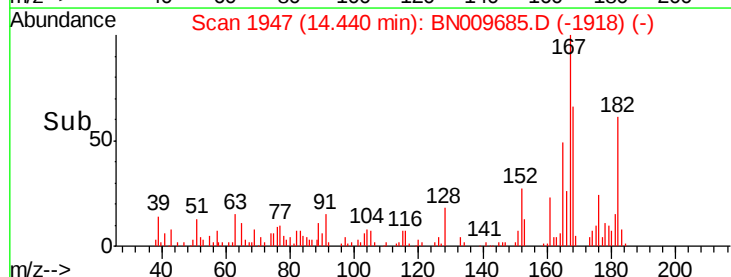
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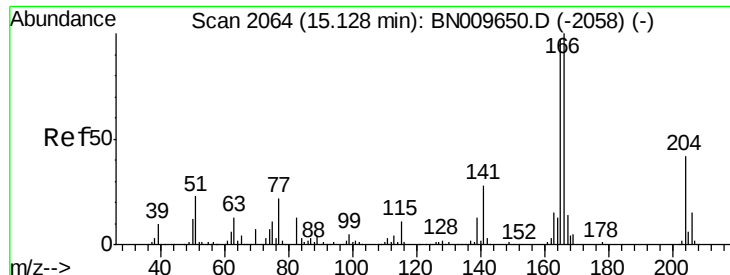
0

14.40

14.45

Time-->





#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

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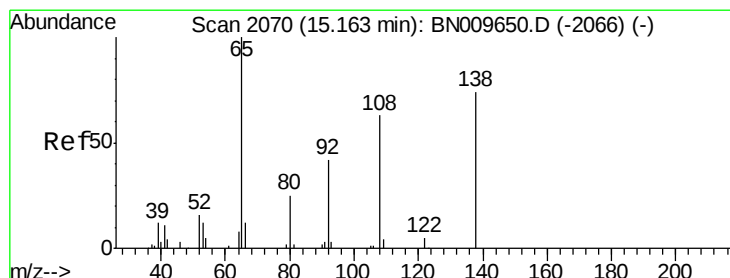
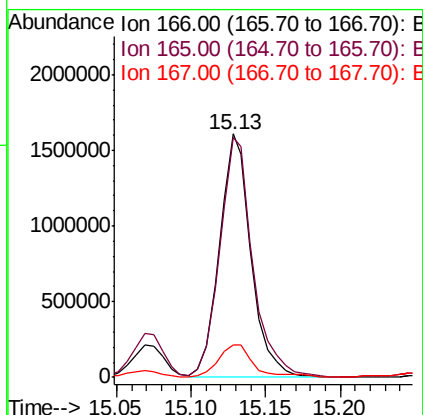
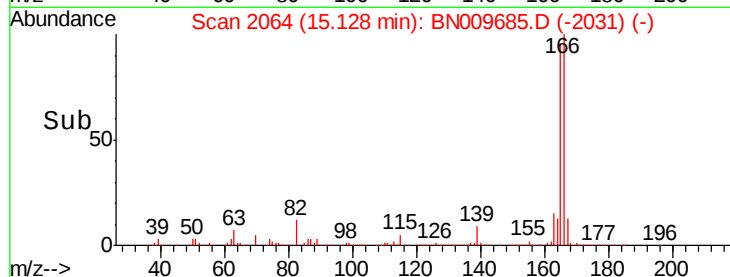
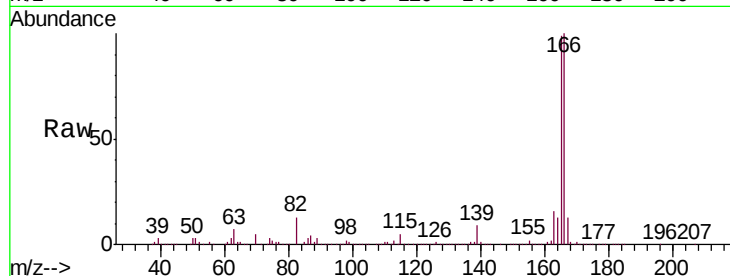
Tgt Ion:166 Resp: 2373194

Ion Ratio Lower Upper

166 100

165 98.6 76.7 115.1

167 13.5 11.1 16.7



#60

4-Nitroaniline

Concen: 4.677 ng/ul

RT: 15.13 min Scan# 2065

Delta R.T. -0.04 min

Lab File: BN009685.D

Acq: 10 Feb 2020 15:00

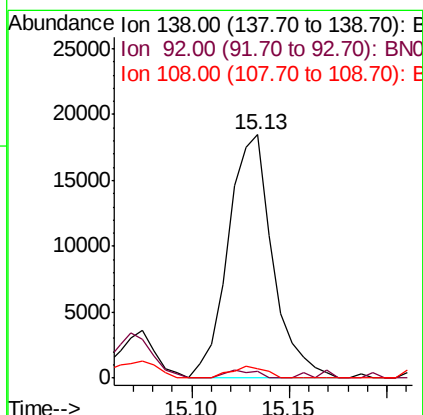
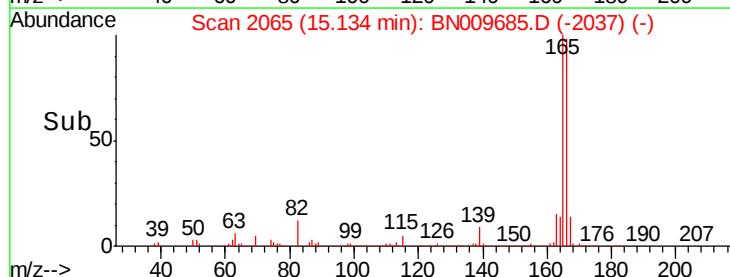
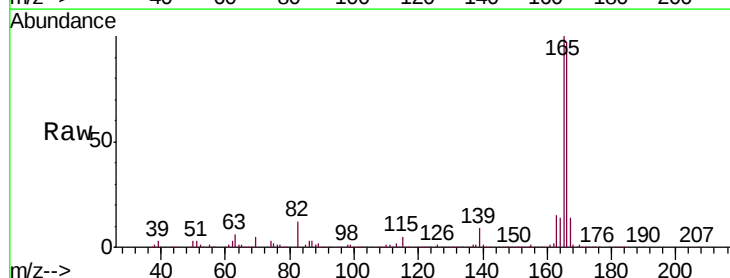
Tgt Ion:138 Resp: 29110

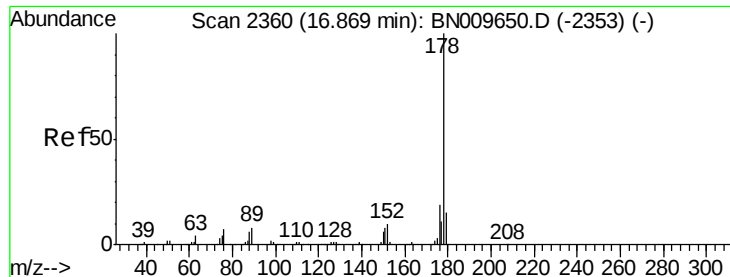
Ion Ratio Lower Upper

138 100

92 2.9 46.1 69.1#

108 3.9 75.1 112.7#





#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

Instrument :

BNA_N

ClientSampleId :

GAT71ME

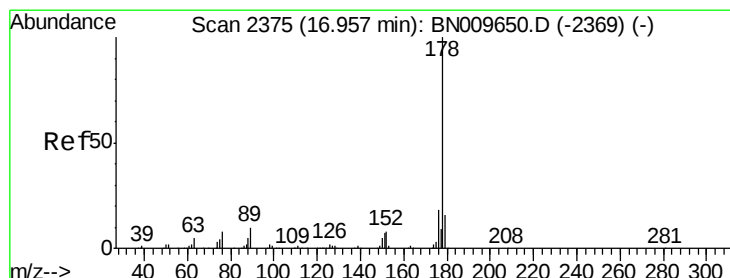
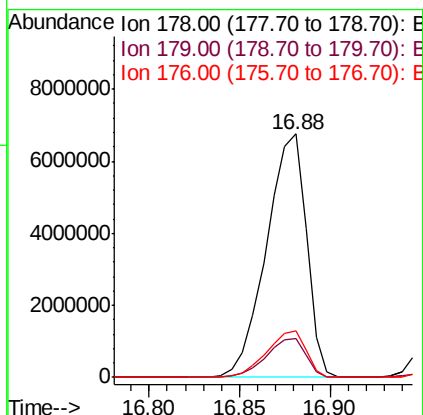
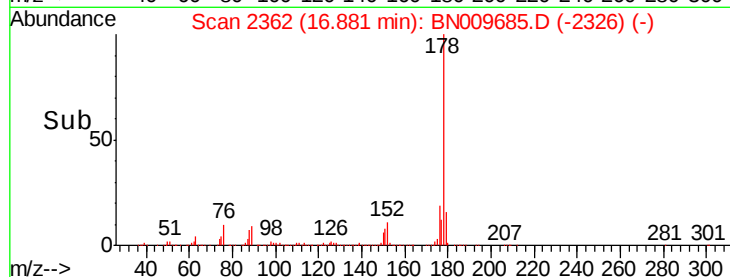
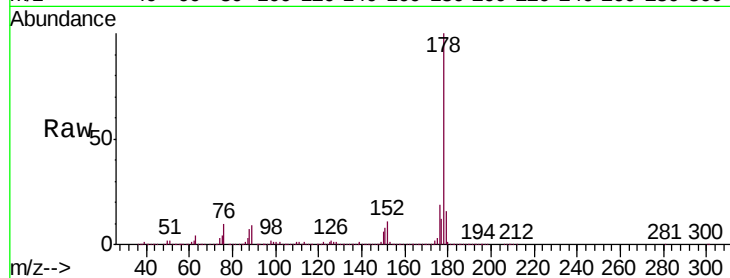
Tgt Ion:178 Resp:10389008

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

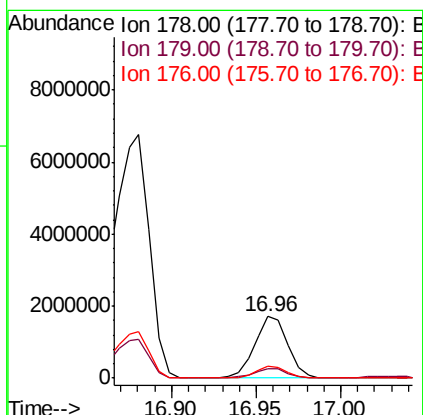
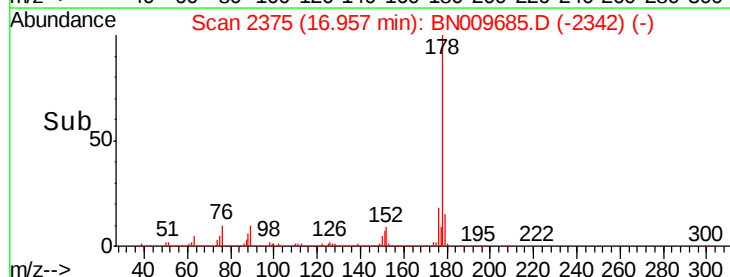
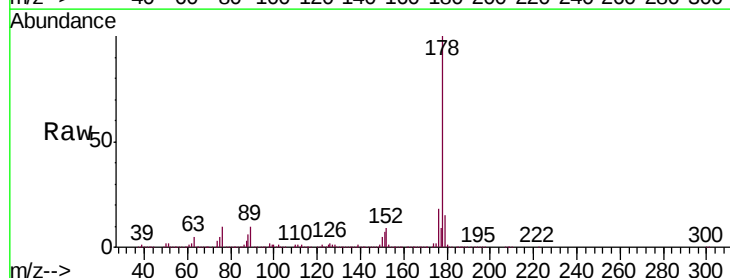
Tgt Ion:178 Resp: 2295454

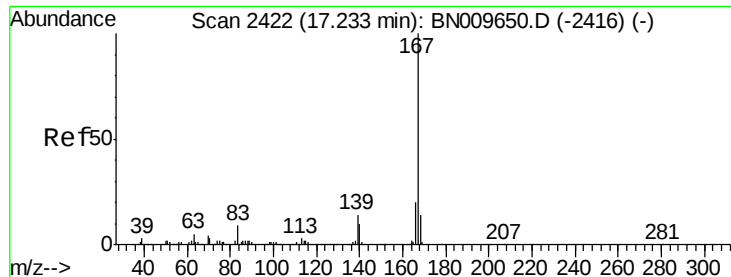
Ion Ratio Lower Upper

178 100

179 14.9 12.1 18.1

176 18.4 14.6 21.8

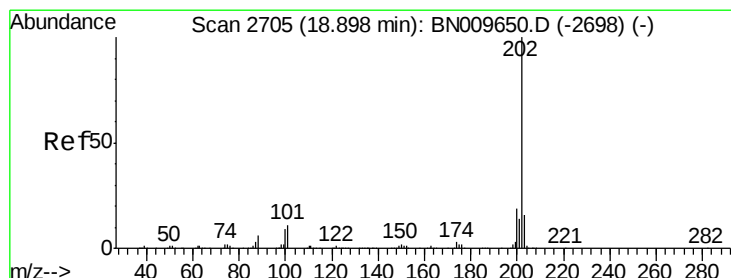
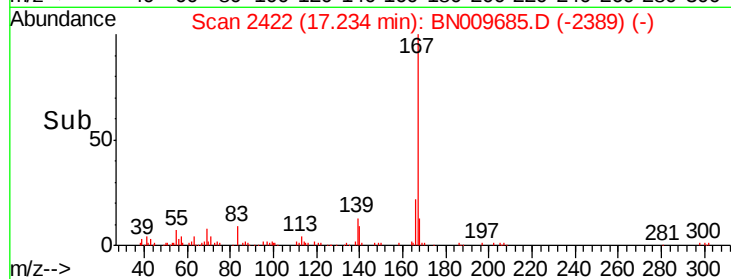
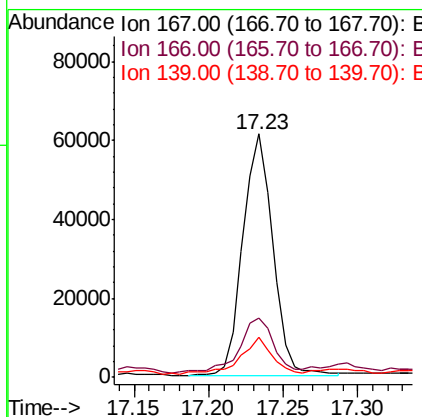
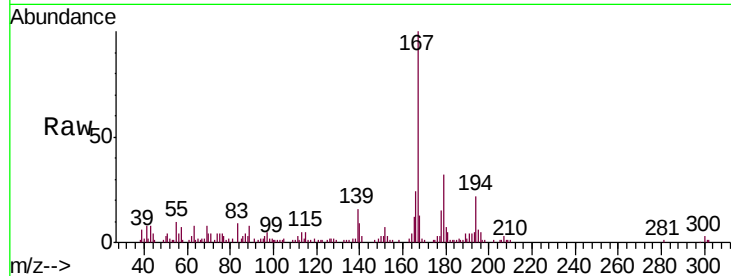




#74
 Carbazole
 Concen: 2.316 ng/ul
 RT: 17.23 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BN009685.D
 Acq: 10 Feb 2020 15:00

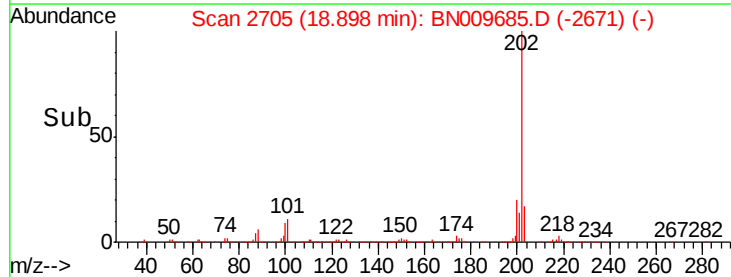
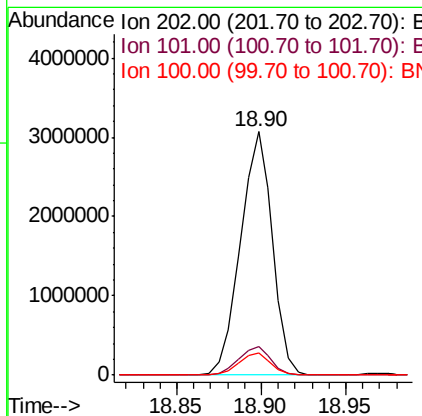
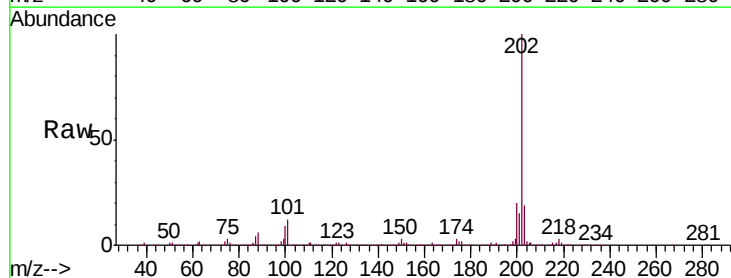
Instrument :
 BNA_N
 ClientSampleId :
 GAT71ME

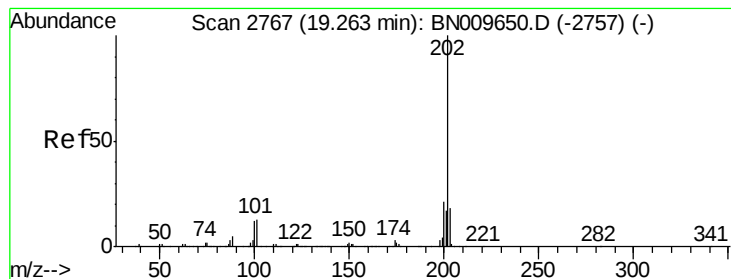
Tgt Ion:167 Resp: 85513
 Ion Ratio Lower Upper
 167 100
 166 24.4 16.2 24.4#
 139 16.3 10.4 15.6#



#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

Tgt Ion:202 Resp: 4013062
 Ion Ratio Lower Upper
 202 100
 101 11.6 9.2 13.8
 100 9.2 6.9 10.3





#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

Instrument :

BNA_N

ClientSampleId :

GAT71ME

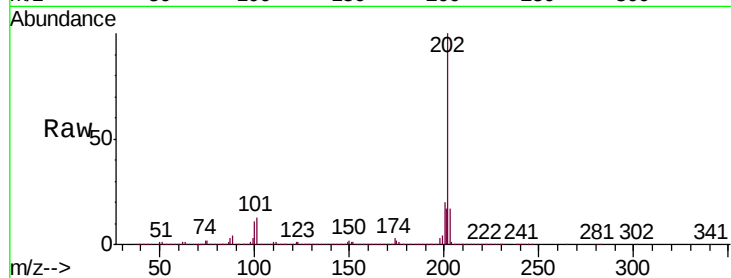
Tgt Ion:202 Resp: 5501942

Ion Ratio Lower Upper

202 100

101 13.2 10.3 15.5

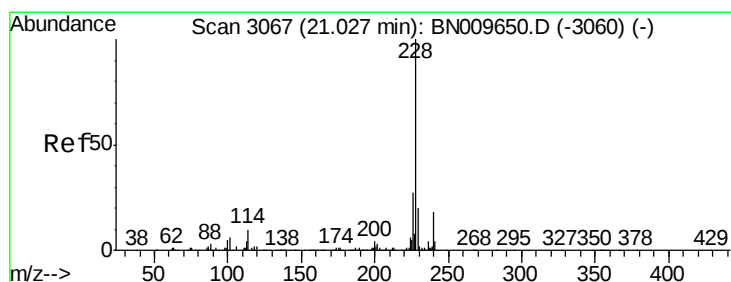
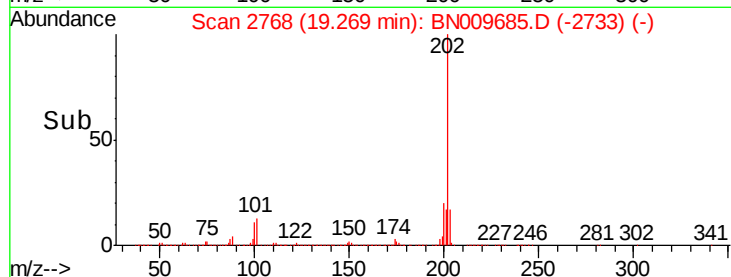
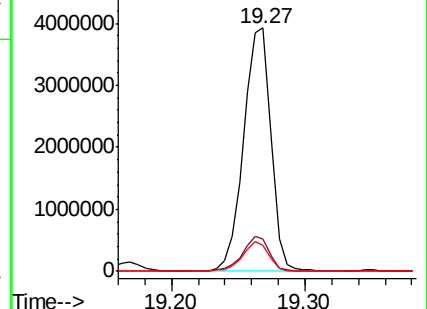
100 10.8 8.4 12.6



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: 34.397 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. 0.04 min

Lab File: BN009685.D

Acq: 10 Feb 2020 15:00

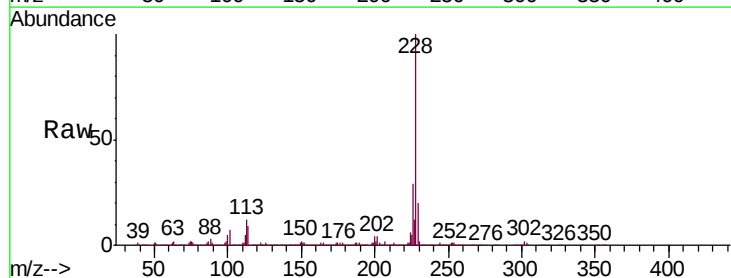
Tgt Ion:228 Resp: 1648428

Ion Ratio Lower Upper

228 100

229 19.9 15.0 22.4

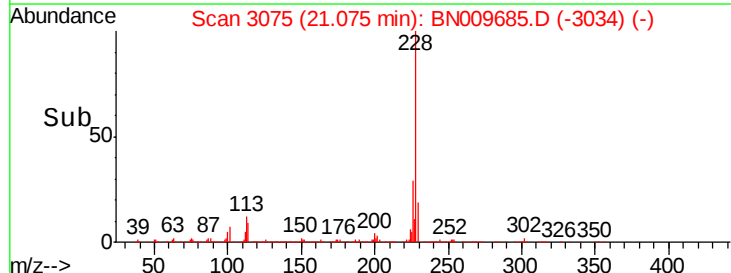
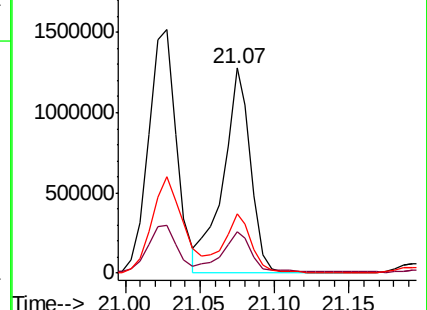
226 29.2 20.9 31.3

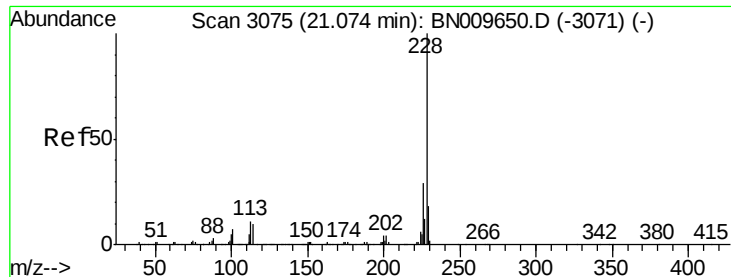


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#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

Instrument :

BNA_N

ClientSampleId :

GAT71ME

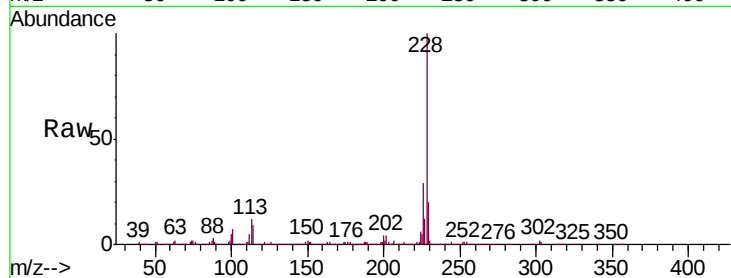
Tgt Ion:228 Resp: 1648428

Ion Ratio Lower Upper

228 100

226 29.2 23.5 35.3

229 19.9 15.8 23.8

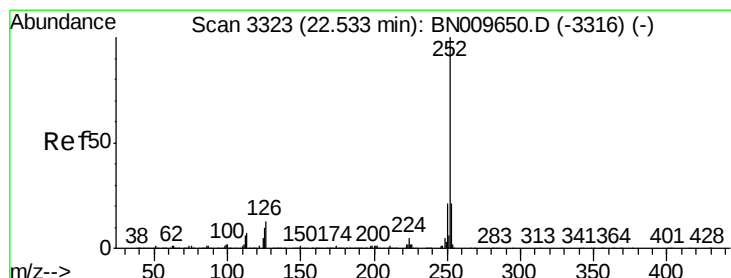
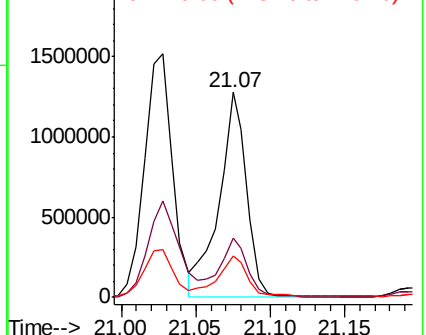
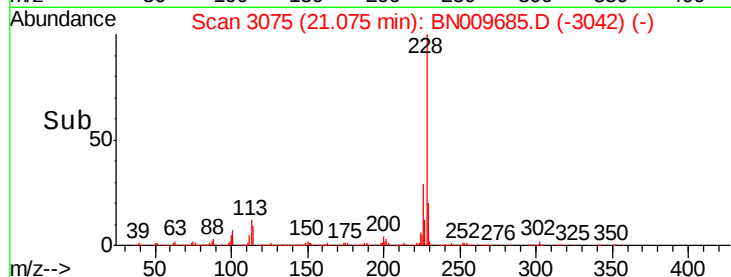


Abundance

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

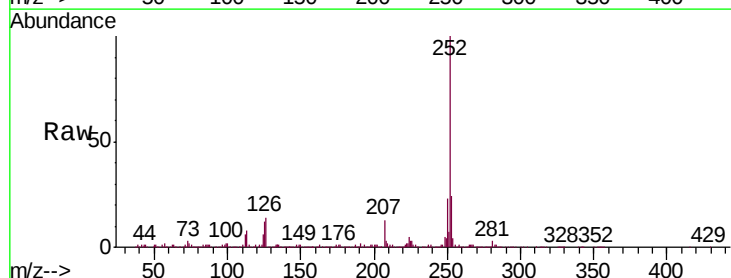
Tgt Ion:252 Resp: 1216380

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

125 11.9 8.2 12.2

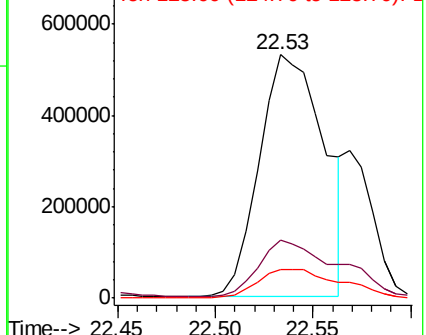
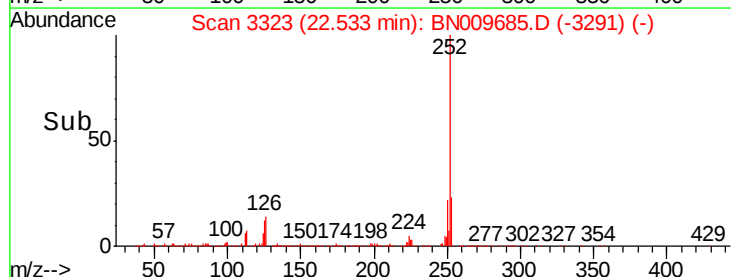


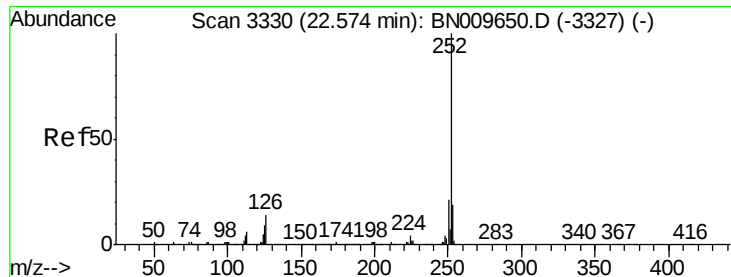
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 27.820 ng/ul

RT: 22.53 min Scan# 3323

Delta R.T. -0.05 min

Lab File: BN009685.D

Acq: 10 Feb 2020 15:00

Instrument :

BNA_N

ClientSampleId :

GAT71ME

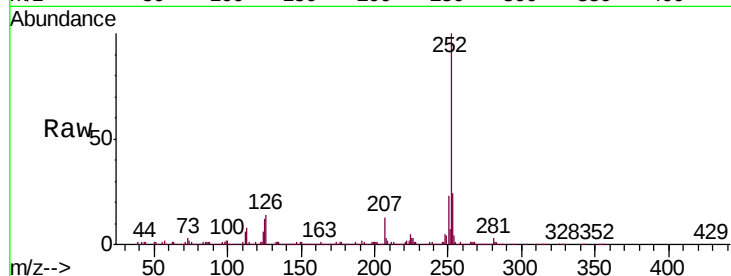
Tgt Ion:252 Resp: 1216380

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.4

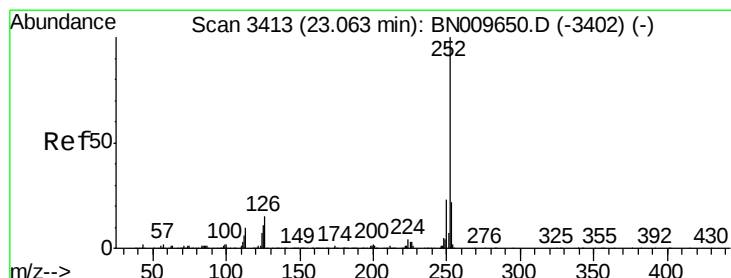
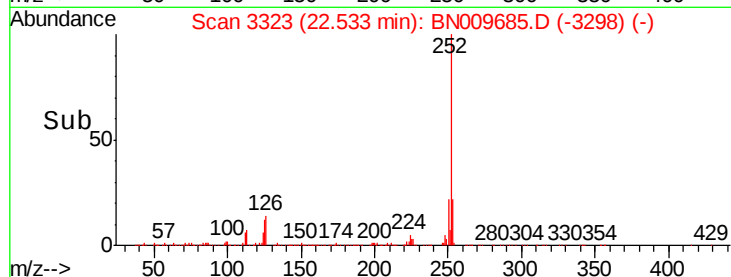
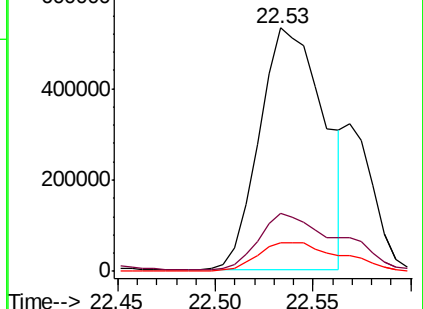
125 11.9 8.0 12.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#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

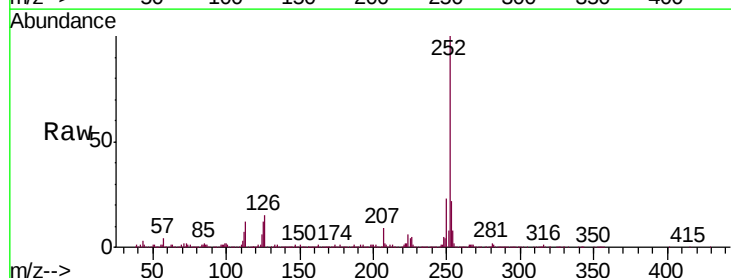
Tgt Ion:252 Resp: 1275200

Ion Ratio Lower Upper

252 100

253 22.2 15.8 23.8

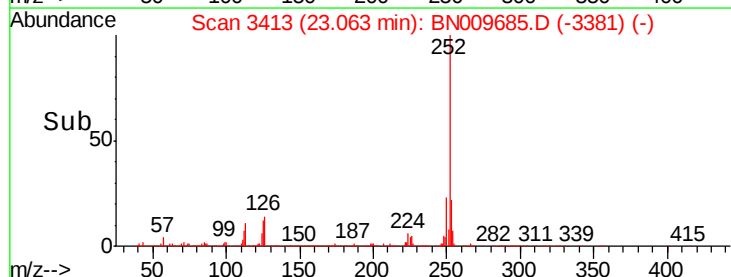
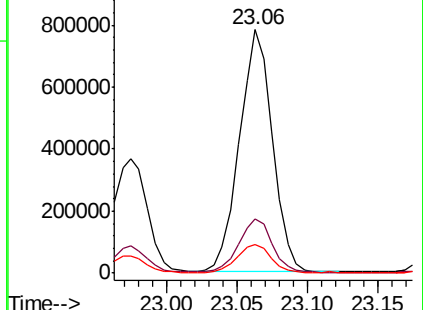
125 11.8 8.7 13.1

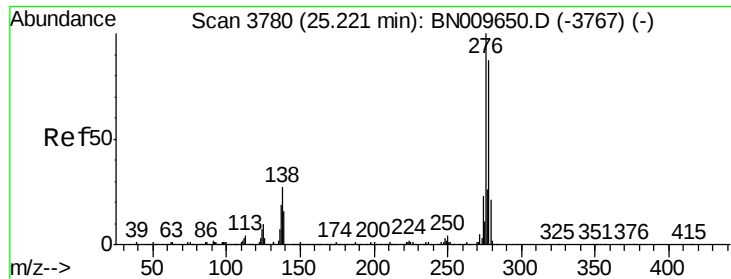


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



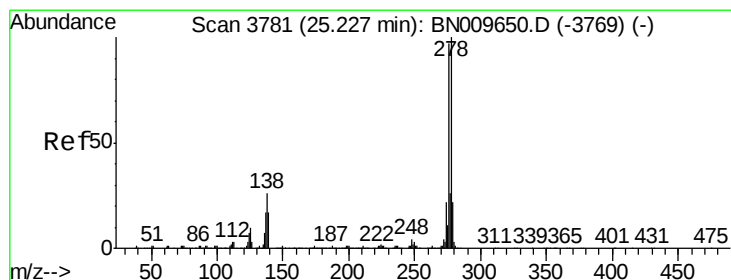
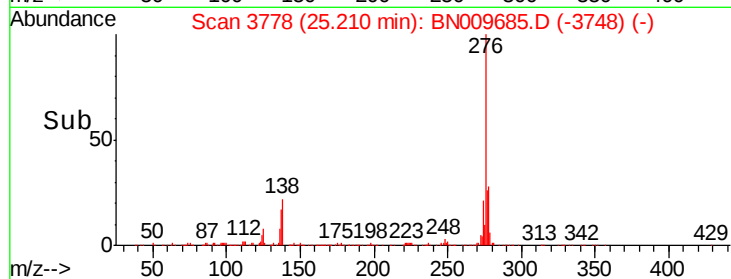
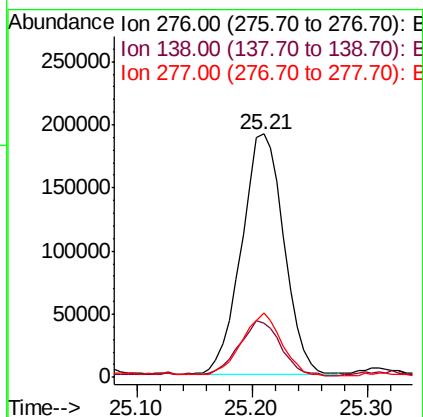
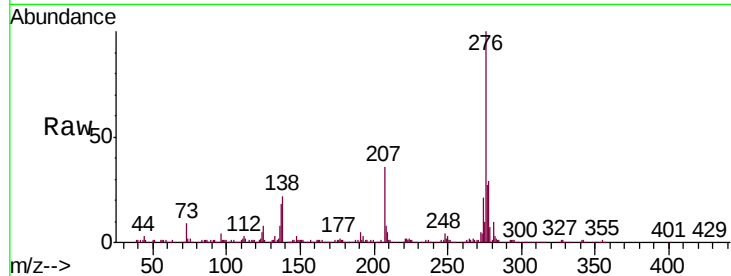


#91

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

Instrument :
BNA_N
ClientSampleId :
GAT71ME

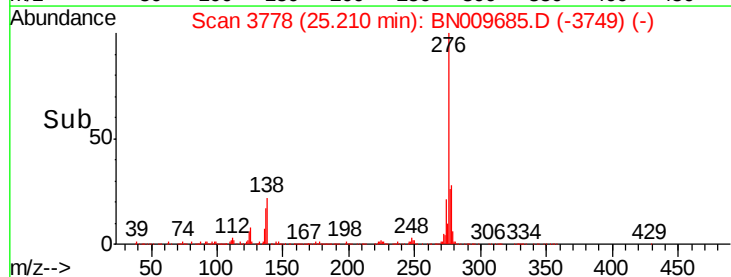
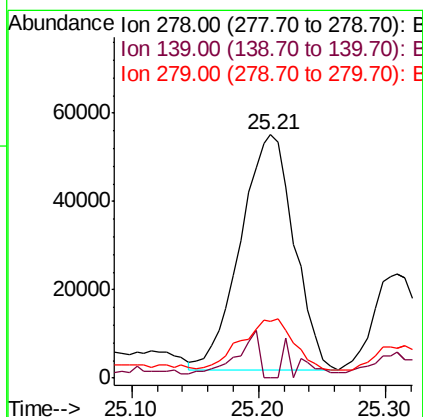
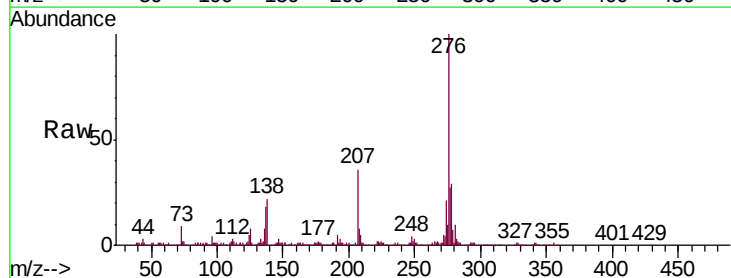
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.3	30.5
277	26.7	21.2	31.8

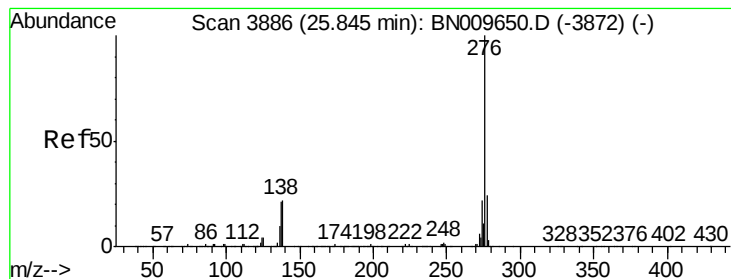


#92

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

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	23.3	19.8	29.8





#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

Instrument :

BNA_N

ClientSampleId :

GAT71ME

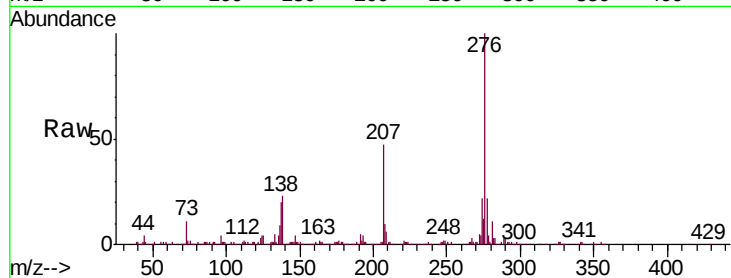
Tgt Ion: 276 Resp: 402093

Ion Ratio Lower Upper

276 100

138 23.5 16.0 24.0

277 22.3 17.0 25.6



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

