

Data File : BN009682.D
Acq On : 10 Feb 2020 12:36
Operator : CG/JU
Sample : L1324-03DL2 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAT60DL2

Quant Time: Feb 11 01:38:40 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	63439	20.00	ng/ul	0.00
18) Naphthalene-d8	10.18	136	269600	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.06	164	167681	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.82	188	351600	20.00	ng/ul	0.00
77) Chrysene-d12	21.03	240	348655	20.00	ng/ul	-0.01
85) Perylene-d12	23.14	264	357172	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.64	99	6704	1.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	5122	1.38	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	5230	1.28	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	4465	1.01	ng/ul	0.01
19) Nitrobenzene-d5	8.59	128	2369	1.18	ng/ul	0.02
22) 2-Nitrophenol-d4	9.30	143	2352	1.05	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.85	165	4430	1.06	ng/ul	0.03
29) 4-Chloroaniline-d4	10.36	131	2090	0.46	ng/ul	0.02
43) Dimethylphthalate-d6	13.50	166	20882	1.71	ng/ul	0.00
46) Acenaphthylene-d8	13.75	160	23245	1.57	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.07	176	19499	1.81	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	308	0.14	ng/ul	0.02
70) Anthracene-d10	16.92	188	30676	1.92	ng/ul	0.00
78) Pyrene-d10	19.23	212	31337	1.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	32970	1.87	ng/ul	-0.01

Target Compounds

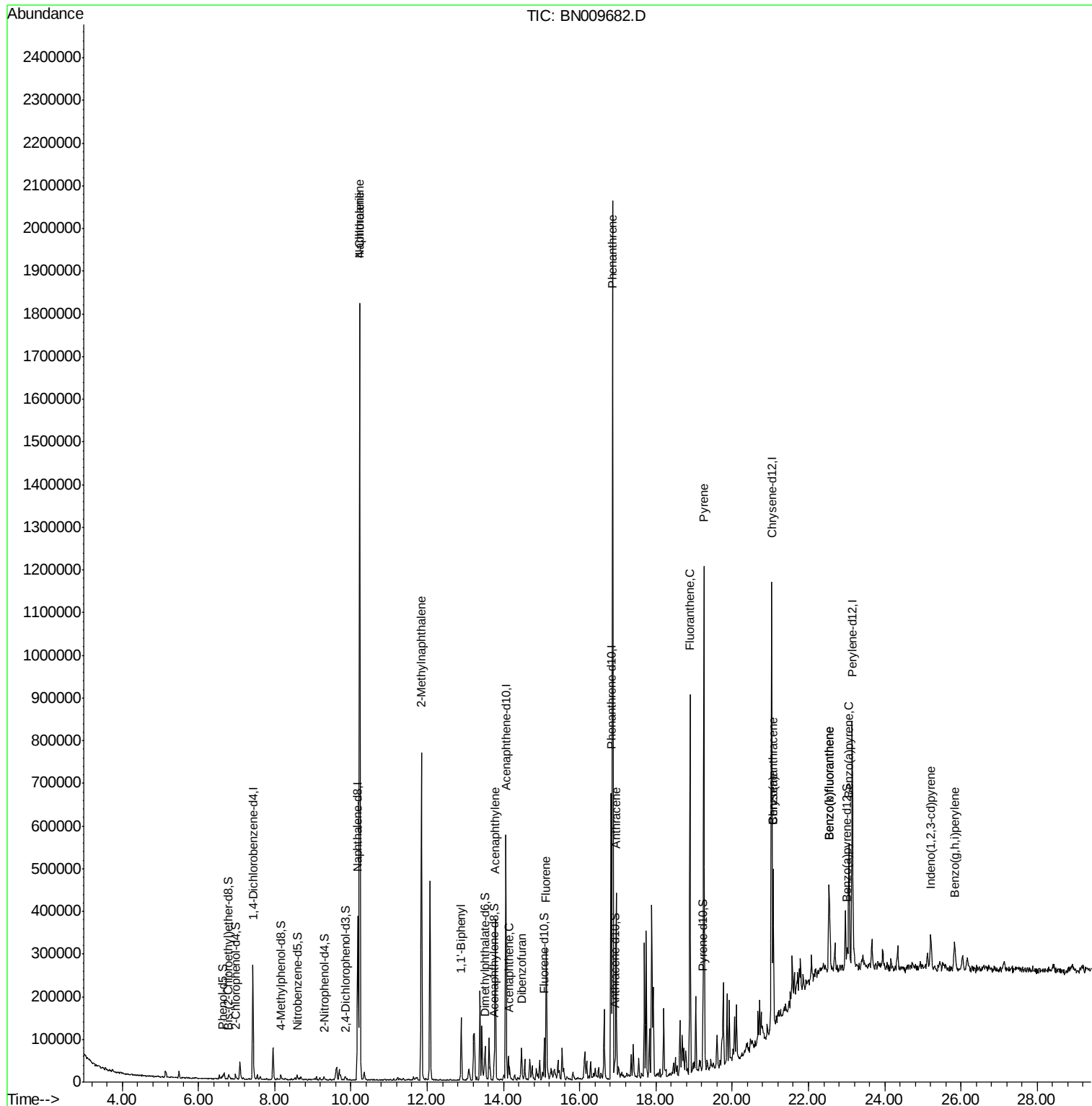
					Qvalue
28) Naphthalene	10.23	128	1269131	86.807 ng/ul	99
30) 4-Chloroaniline	10.23	127	163695	35.173 ng/ul#	6
34) 2-Methylnaphthalene	11.85	142	344986	33.718 ng/ul	99
40) 1,1'-Biphenyl	12.89	154	71710	5.493 ng/ul	99
47) Acenaphthylene	13.78	152	230351	14.232 ng/ul	100
49) Acenaphthene	14.13	153	21476	1.952 ng/ul	96
53) Dibenzofuran	14.47	168	26021	1.698 ng/ul	99
58) Fluorene	15.13	166	139182	10.869 ng/ul	99
69) Phenanthrene	16.86	178	1102322	54.975 ng/ul	99
71) Anthracene	16.96	178	253823	12.476 ng/ul	98
76) Fluoranthene	18.89	202	474796	20.747 ng/ul	98
79) Pyrene	19.26	202	678869	26.673 ng/ul	97
82) Benzo(a)anthracene	21.07	228	196772	8.174 ng/ul	95
84) Chrysene	21.07	228	196772	8.211 ng/ul	99
87) Benzo(b)fluoranthene	22.53	252	145666	6.518 ng/ul#	92
88) Benzo(k)fluoranthene	22.53	252	145666	6.619 ng/ul#	92
90) Benzo(a)pyrene	23.06	252	175926	8.497 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.21	276	65741	2.671 ng/ul	93
93) Benzo(g,h,i)perylene	25.83	276	67405	3.267 ng/ul	96

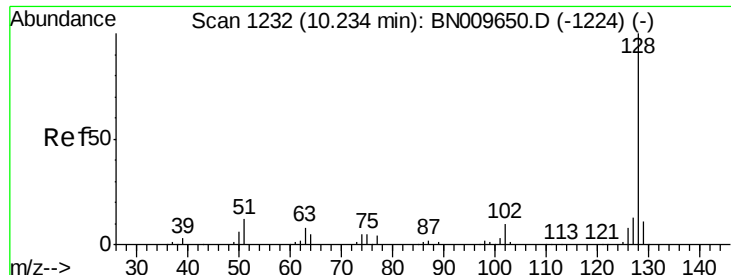
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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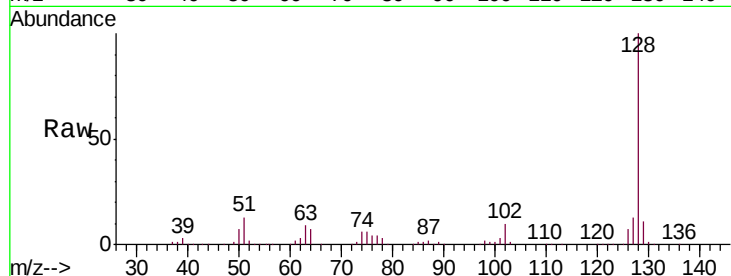




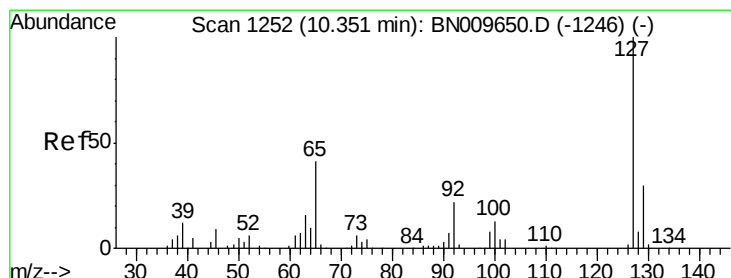
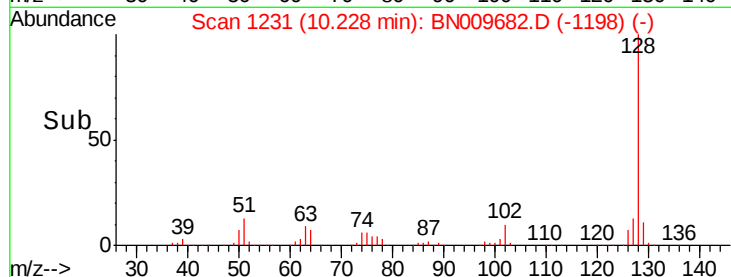
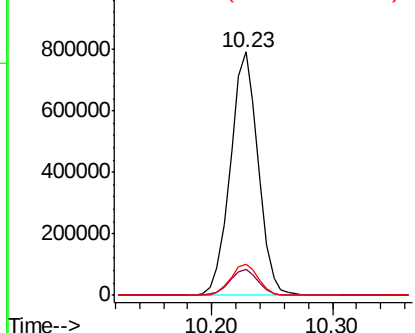
#28
Naphthalene
Concen: 86.807 ng/ul
RT: 10.23 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BN009682.D
Acq: 10 Feb 2020 12:36

Instrument :
BNA_N
ClientSampleId :
GAT60DL2

Tgt Ion:128 Resp: 1269131
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 12.9 10.7 16.1

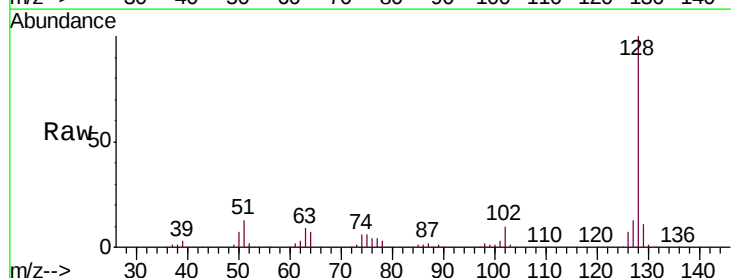


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

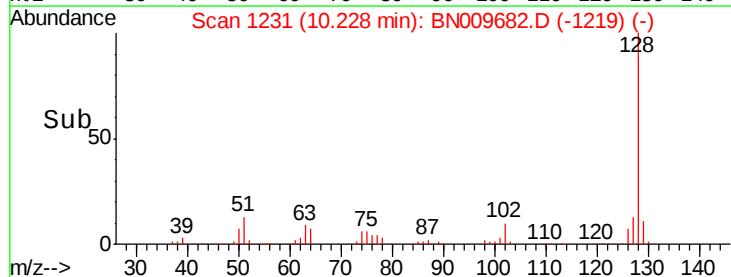
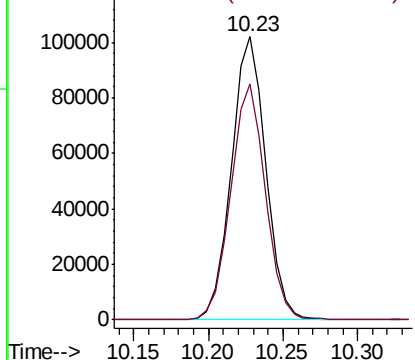


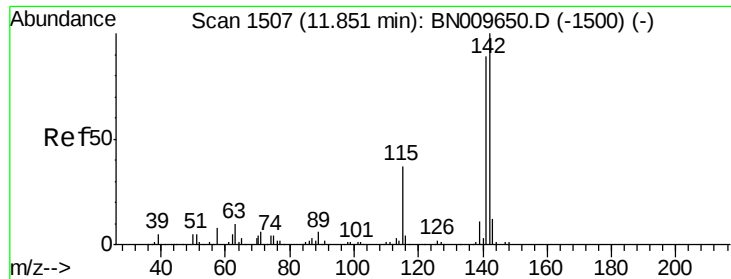
#30
4-Chloroaniline
Concen: 35.173 ng/ul
RT: 10.23 min Scan# 1231
Delta R.T. -0.13 min
Lab File: BN009682.D
Acq: 10 Feb 2020 12:36

Tgt Ion:127 Resp: 163695
Ion Ratio Lower Upper
127 100
129 83.4 25.2 37.8#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

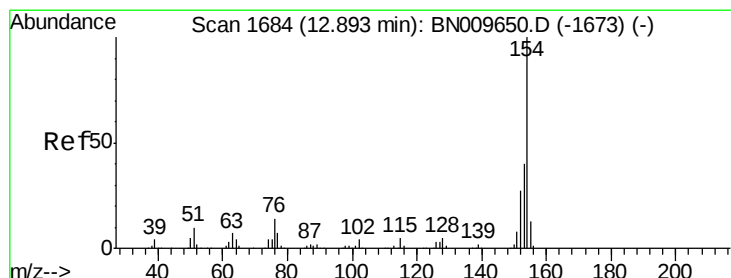
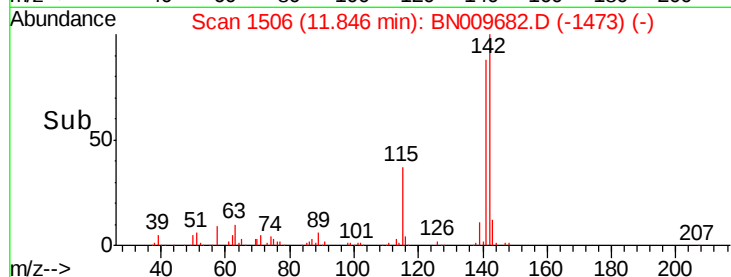
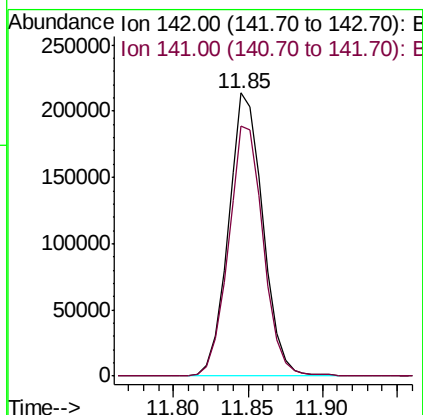
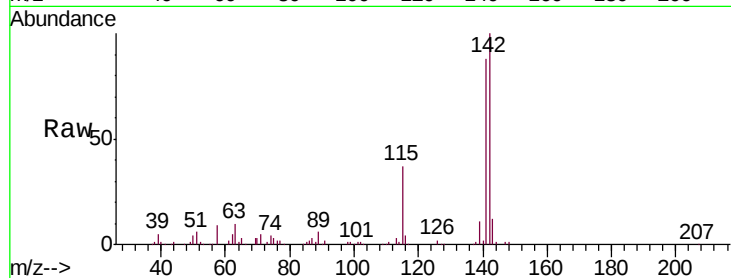




#34
 2-Methylnaphthalene
 Concen: 33.718 ng/ul
 RT: 11.85 min Scan# 1506
 Delta R.T. -0.01 min
 Lab File: BN009682.D
 Acq: 10 Feb 2020 12:36

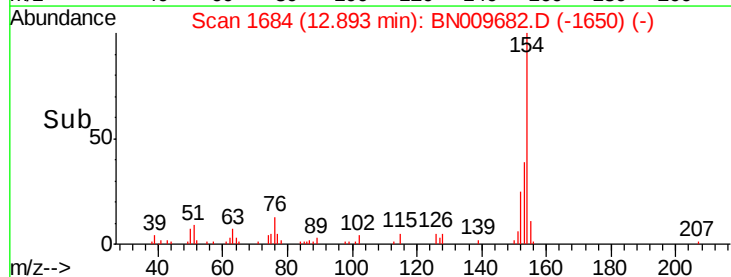
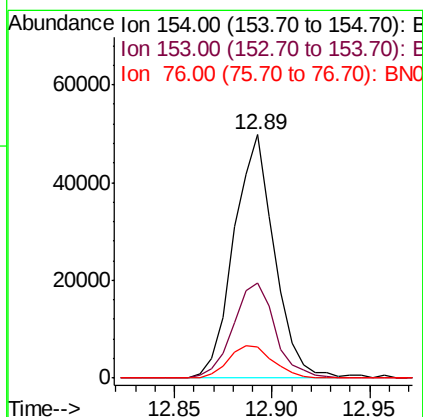
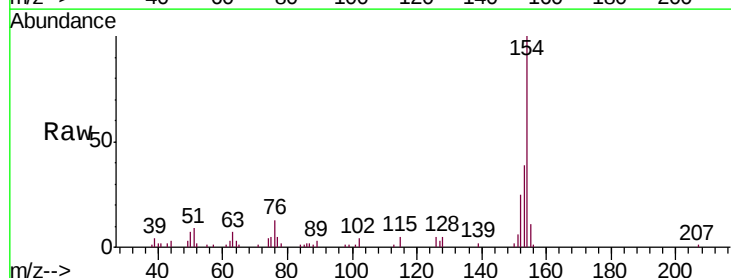
Instrument :
 BNA_N
 ClientSampleId :
 GAT60DL2

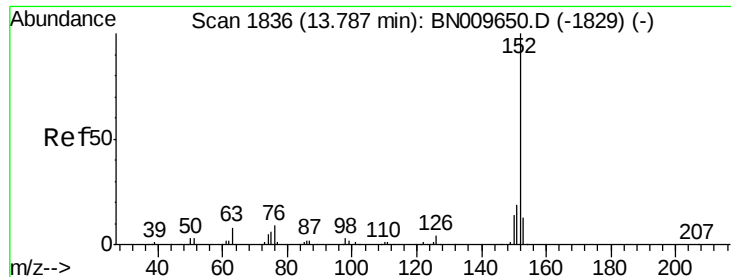
Tgt Ion:142 Resp: 344986
 Ion Ratio Lower Upper
 142 100
 141 88.3 71.5 107.3



#40
 1,1'-Biphenyl
 Concen: 5.493 ng/ul
 RT: 12.89 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: BN009682.D
 Acq: 10 Feb 2020 12:36

Tgt Ion:154 Resp: 71710
 Ion Ratio Lower Upper
 154 100
 153 39.2 31.2 46.8
 76 12.6 11.4 17.2





#47

Acenaphthylene

Concen: 14.232 ng/ul

RT: 13.78 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_N

ClientSampleId :

GAT60DL2

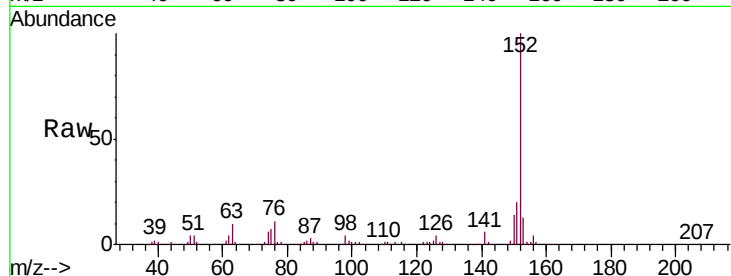
Tgt Ion:152 Resp: 230351

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

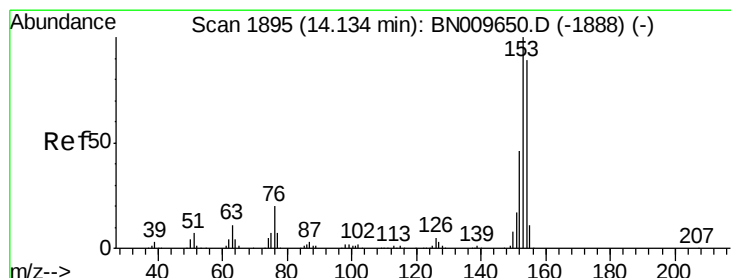
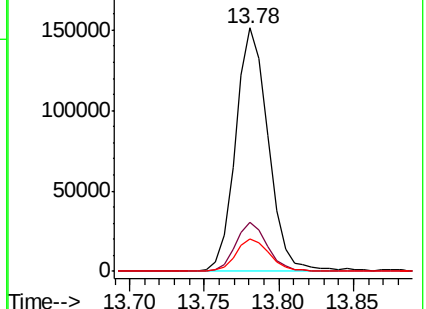
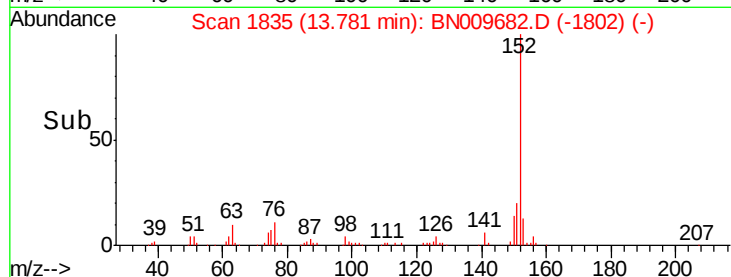
153 13.3 10.6 15.8



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: 1.952 ng/ul

RT: 14.13 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

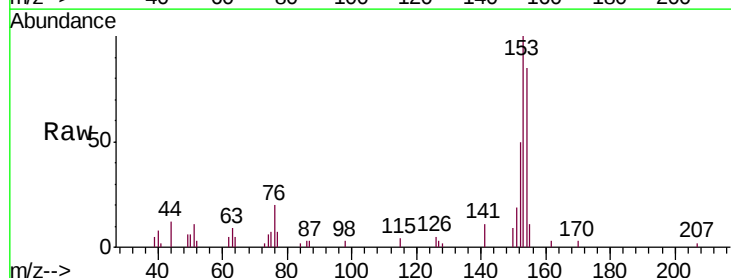
Tgt Ion:153 Resp: 21476

Ion Ratio Lower Upper

153 100

152 50.0 37.3 55.9

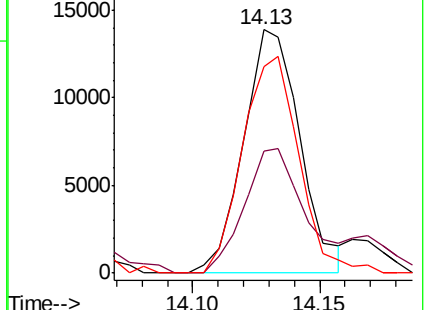
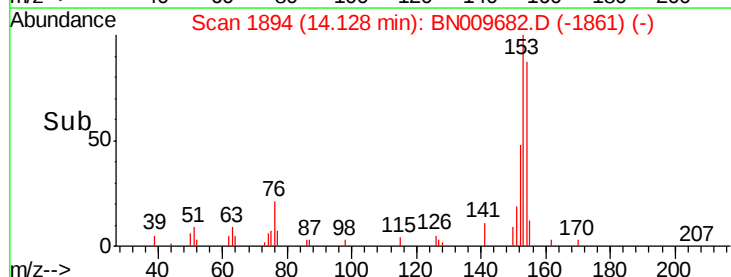
154 84.7 70.2 105.2

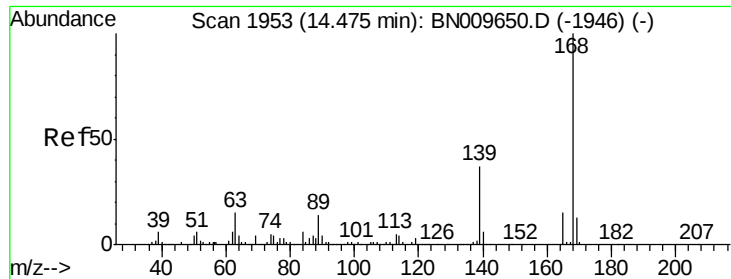


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzo(f,h)quinoxaline

Concen: 1.698 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_N

ClientSampleId :

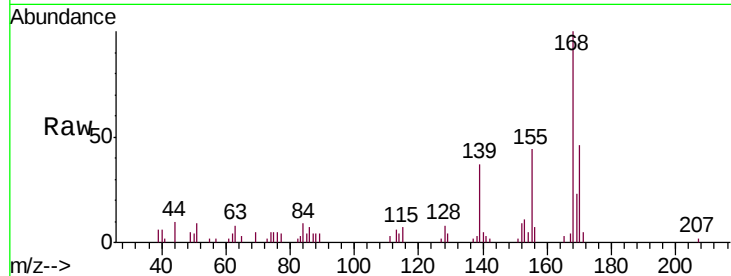
GAT60DL2

Tgt Ion:168 Resp: 26021

Ion Ratio Lower Upper

168 100

139 36.5 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.47

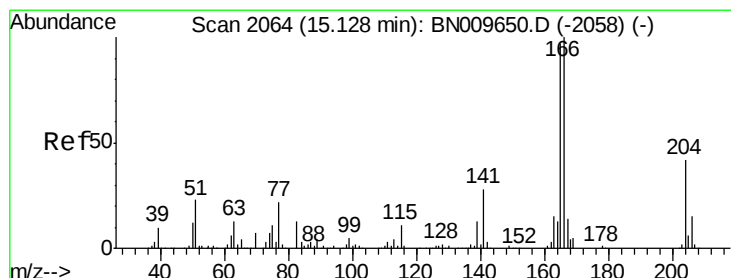
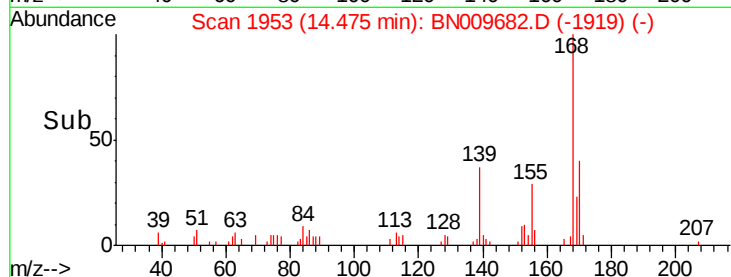
15000

10000

5000

0

Time-->



#58

Fluorene

Concen: 10.869 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. -0.01 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

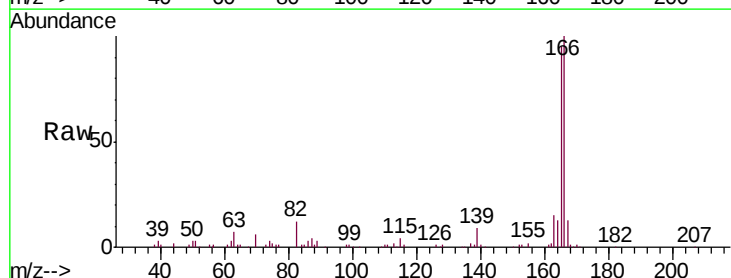
Tgt Ion:166 Resp: 139182

Ion Ratio Lower Upper

166 100

165 95.1 76.7 115.1

167 13.4 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.13

120000

100000

80000

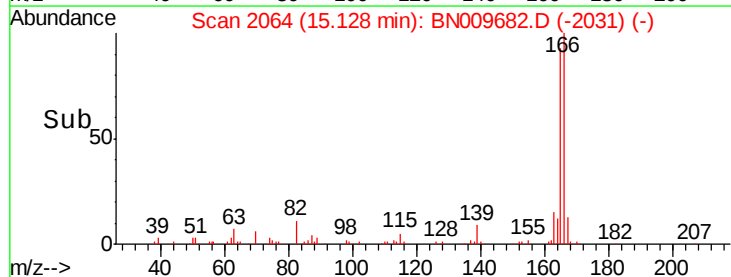
60000

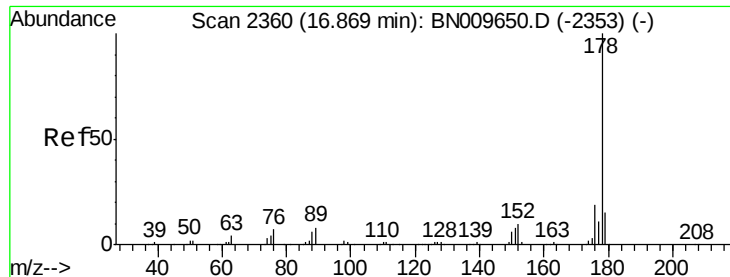
40000

20000

0

Time-->





#69

Phenanthrene

Concen: 54.975 ng/ul

RT: 16.86 min Scan# 2359

Delta R.T. -0.01 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_N

ClientSampled :

GAT60DL2

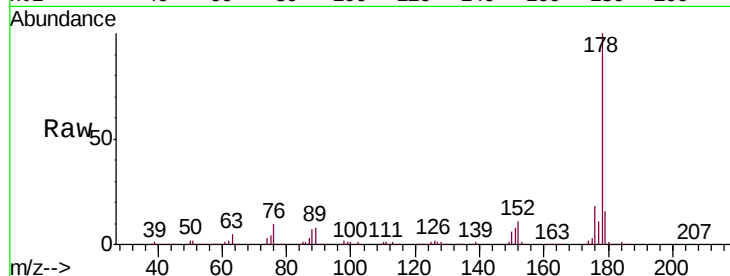
Tgt Ion:178 Resp: 1102322

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.2

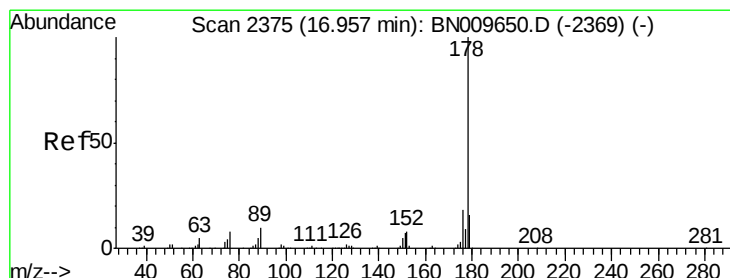
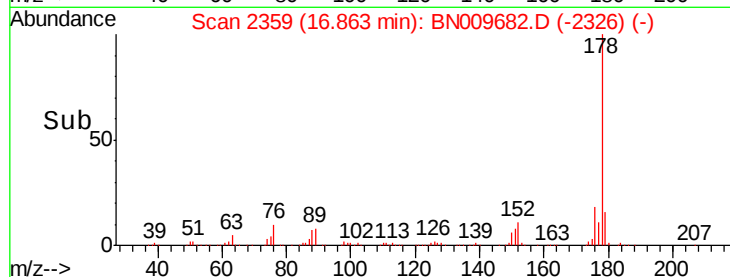
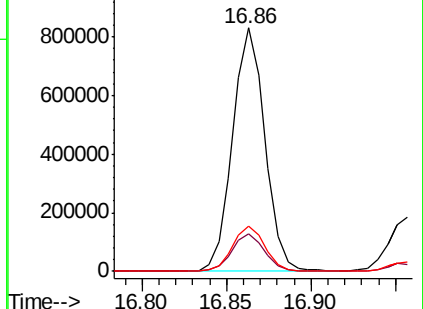
176 18.3 14.8 22.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 12.476 ng/ul

RT: 16.96 min Scan# 2375

Delta R.T. -0.01 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

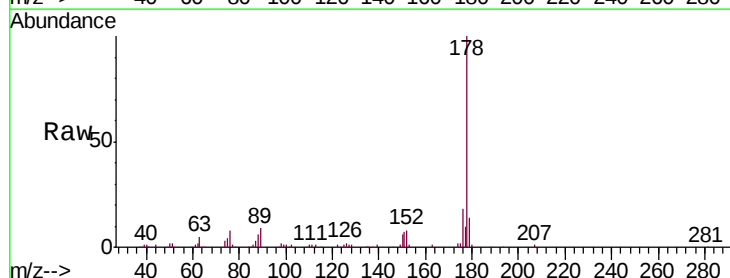
Tgt Ion:178 Resp: 253823

Ion Ratio Lower Upper

178 100

179 13.6 12.1 18.1

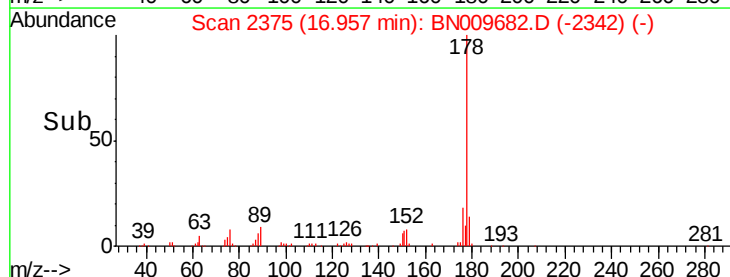
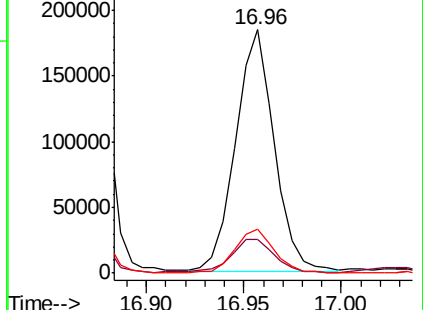
176 18.1 14.6 21.8

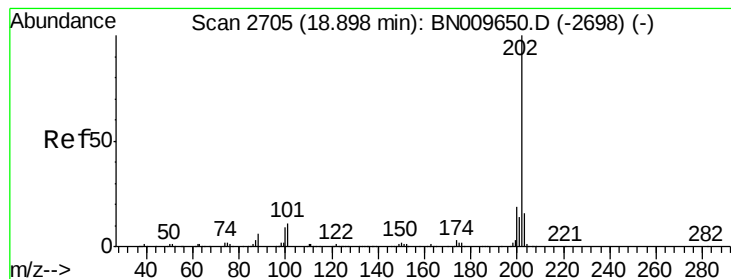


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 20.747 ng/ul

RT: 18.89 min Scan# 2704

Delta R.T. -0.01 min

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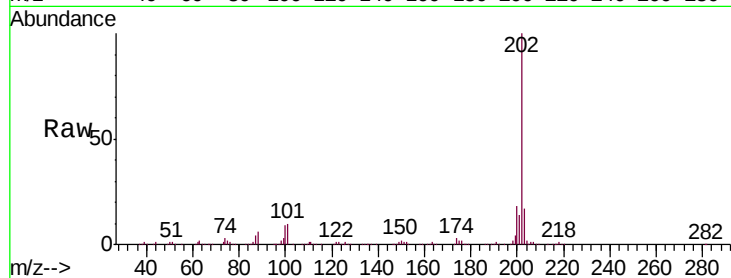
Tgt Ion:202 Resp: 474796

Ion Ratio Lower Upper

202 100

101 10.3 9.2 13.8

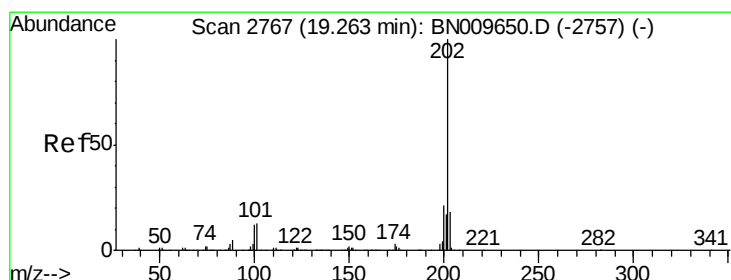
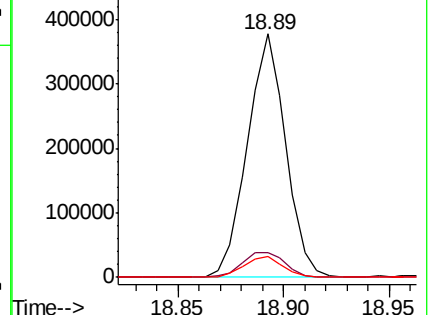
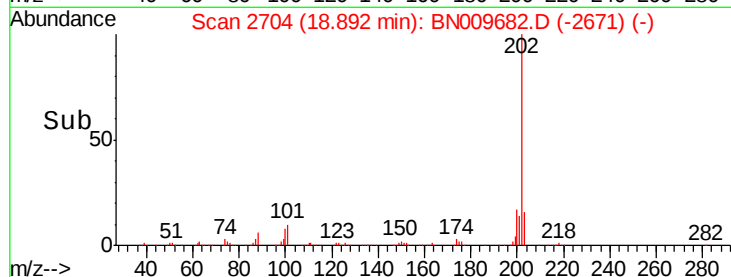
100 8.5 6.9 10.3



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

Pyrene

Concen: 26.673 ng/ul

RT: 19.26 min Scan# 2766

Delta R.T. -0.01 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

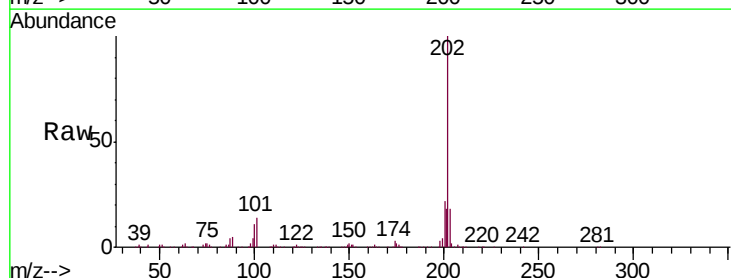
Tgt Ion:202 Resp: 678869

Ion Ratio Lower Upper

202 100

101 14.3 10.3 15.5

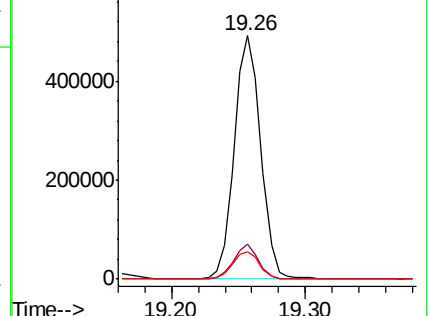
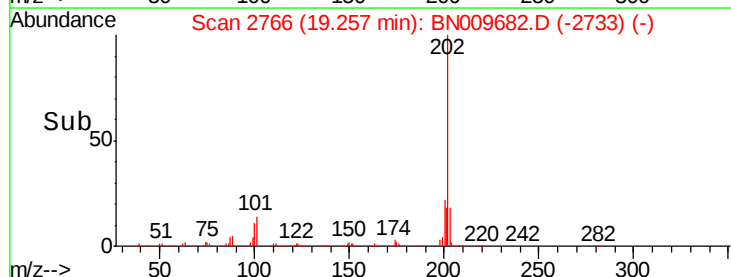
100 11.3 8.4 12.6

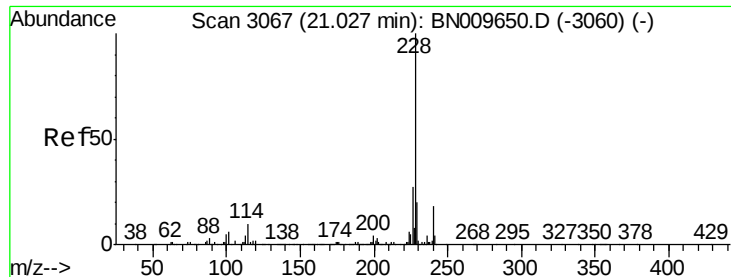


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 8.174 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. 0.04 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

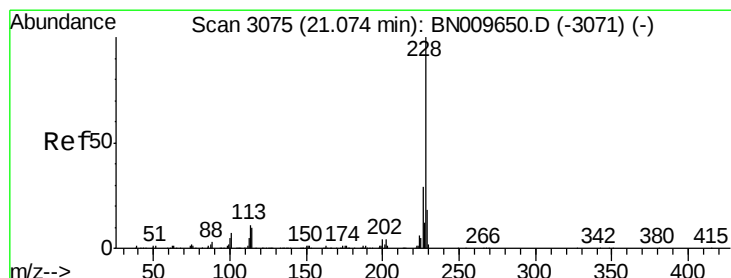
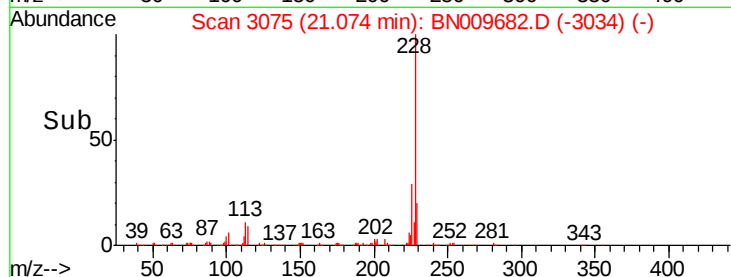
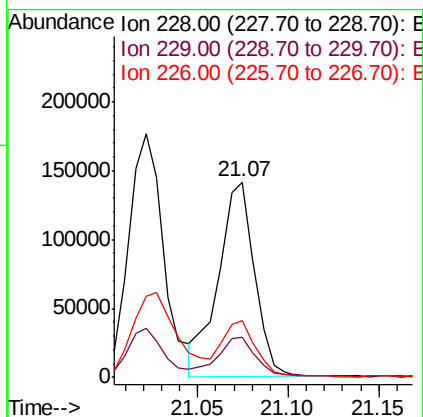
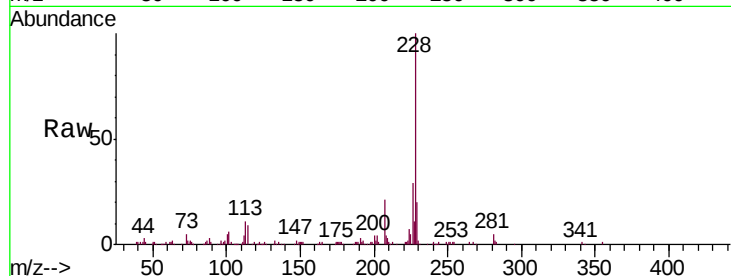
Instrument :

BNA_N

ClientSampleId :

GAT60DL2

Tgt Ion:	228	Resp:	196772
Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.0	22.4
226	29.1	20.9	31.3



#84

Chrysene

Concen: 8.211 ng/ul

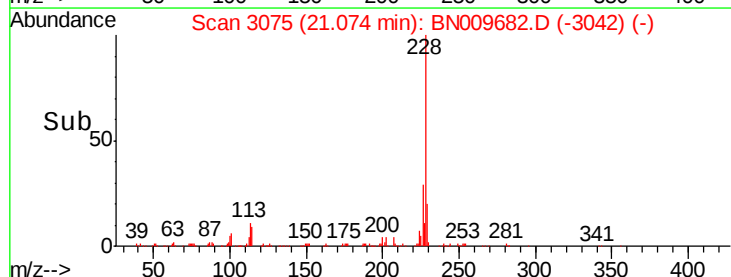
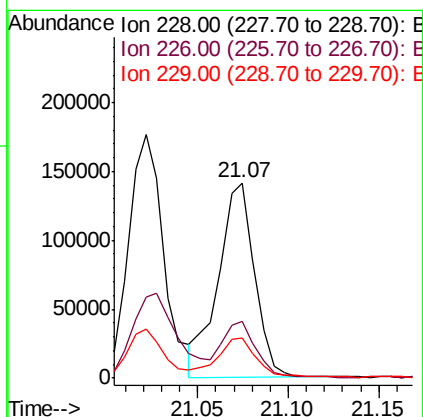
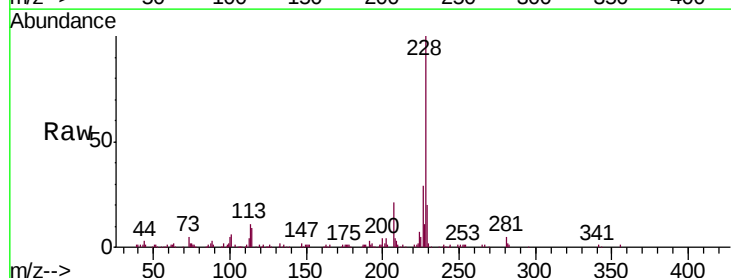
RT: 21.07 min Scan# 3075

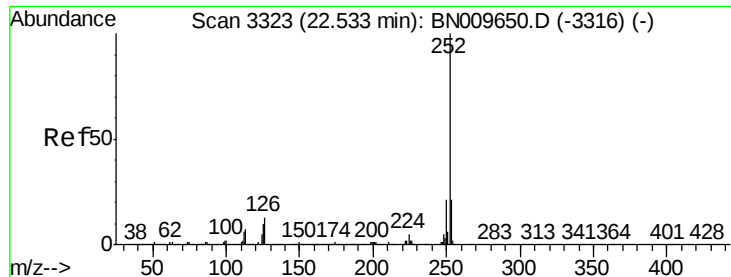
Delta R.T. -0.01 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

Tgt Ion:	228	Resp:	196772
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.5	35.3
229	20.4	15.8	23.8





#87

Benzo(b)fluoranthene

Concen: 6.518 ng/ul

RT: 22.53 min Scan# 3323

Delta R.T. -0.01 min

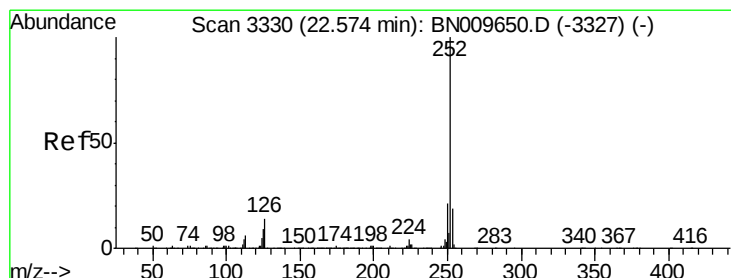
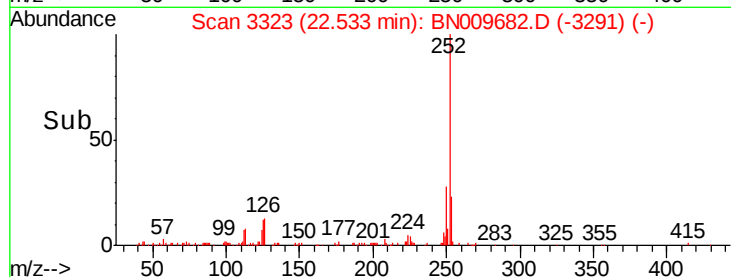
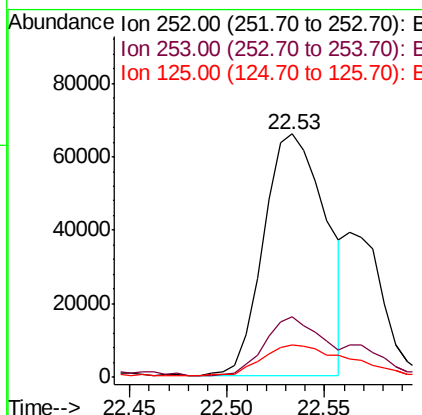
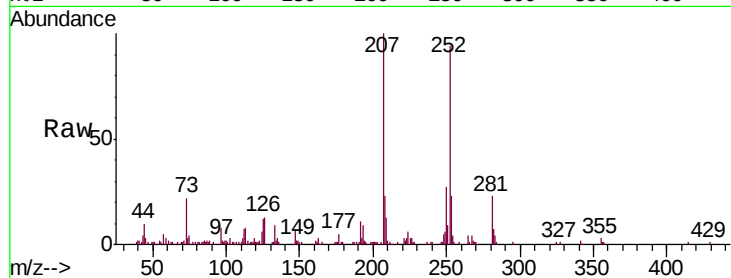
Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

Instrument :
BNA_N
ClientSampleId :
GAT60DL2

Tgt Ion:252 Resp: 145666

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.0	25.6
125	13.1	8.2	12.2#



#88

Benzo(k)fluoranthene

Concen: 6.619 ng/ul

RT: 22.53 min Scan# 3323

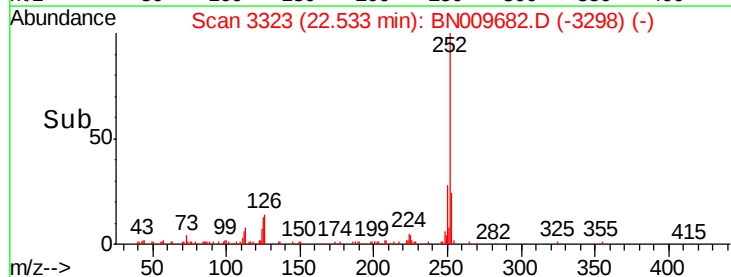
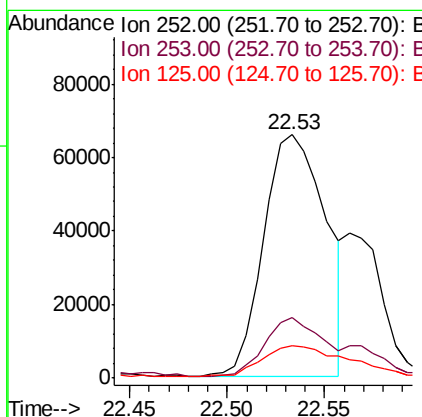
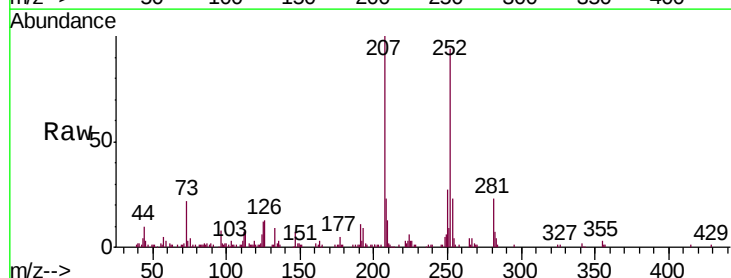
Delta R.T. -0.05 min

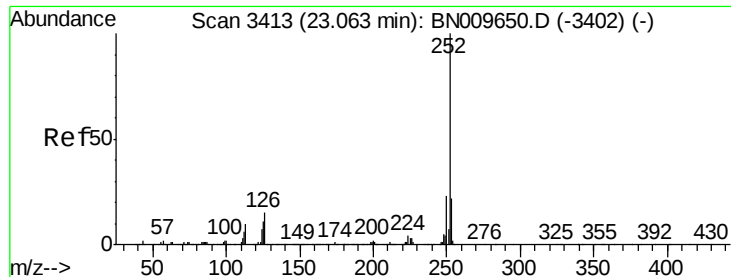
Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

Tgt Ion:252 Resp: 145666

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.0	25.4
125	13.1	8.0	12.0#





#90

Benzo(a)pyrene

Concen: 8.497 ng/ul

RT: 23.06 min Scan# 3412

Delta R.T. -0.02 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_N

ClientSampleId :

GAT60DL2

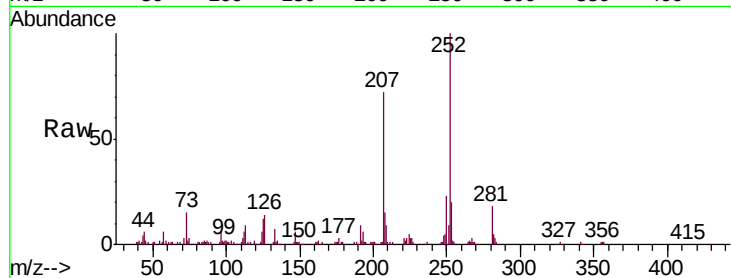
Tgt Ion:252 Resp: 175926

Ion Ratio Lower Upper

252 100

253 20.2 15.8 23.8

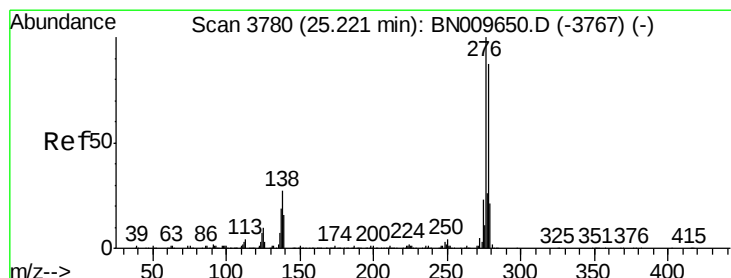
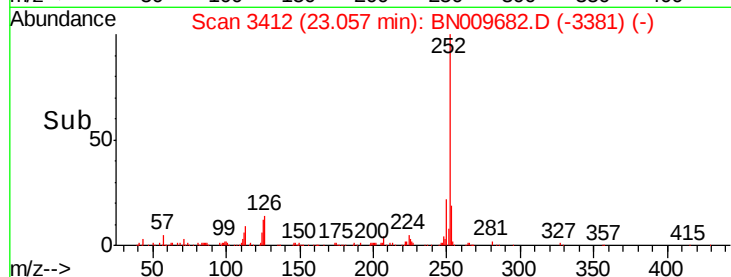
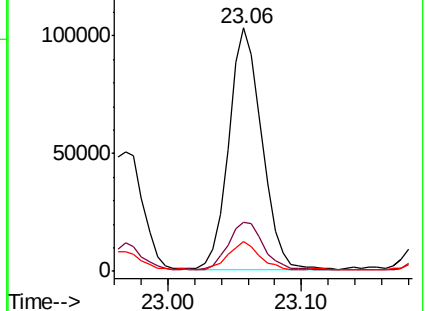
125 12.3 8.7 13.1



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: 2.671 ng/ul

RT: 25.21 min Scan# 3778

Delta R.T. -0.02 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

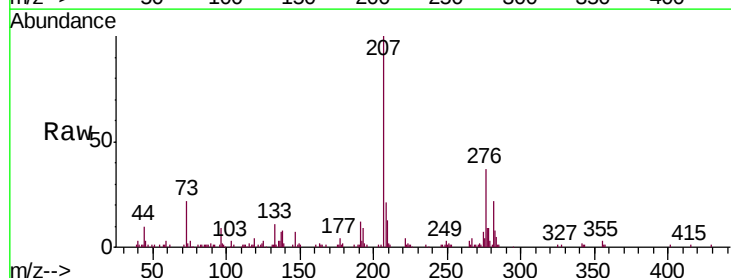
Tgt Ion:276 Resp: 65741

Ion Ratio Lower Upper

276 100

138 21.5 20.3 30.5

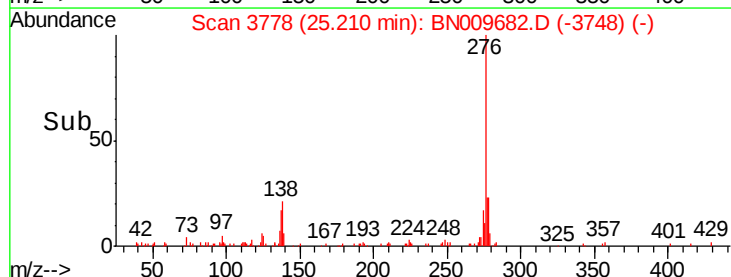
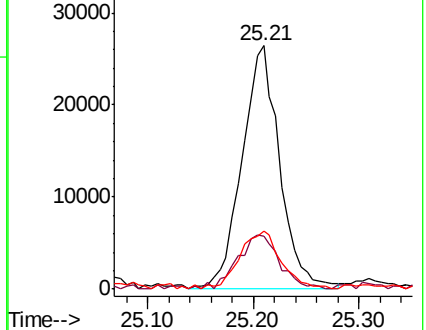
277 23.7 21.2 31.8

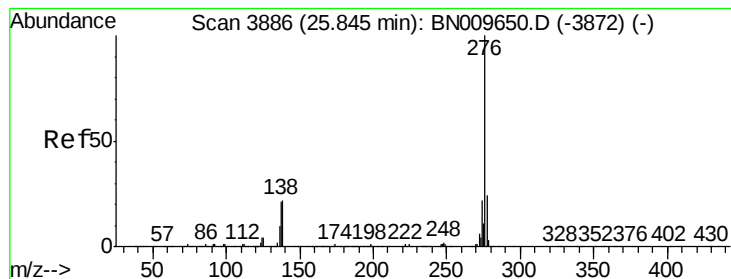


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Benzo(g,h,i)perylene

Concen: 3.267 ng/ul

RT: 25.83 min Scan# 3884

Delta R.T. -0.02 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_N

ClientSampleId :

GAT60DL2

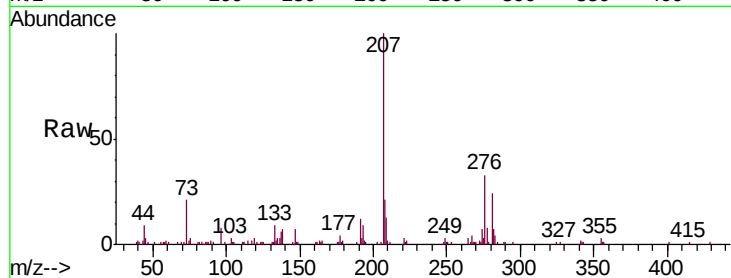
Tgt Ion: 276 Resp: 67405

Ion Ratio Lower Upper

276 100

138 19.7 16.0 24.0

277 24.8 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

