

Data File : BN009691.D
Acq On : 10 Feb 2020 18:36
Operator : CG/JU
Sample : L1324-14ME
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAT69ME

Quant Time: Feb 11 01:41:01 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	108133	20.00	ng/ul	0.00
18) Naphthalene-d8	10.17	136	469198	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.06	164	290146	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.82	188	595683	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	568969	20.00	ng/ul	0.00
85) Perylene-d12	23.14	264	573428	20.00	ng/ul	-0.02

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.07	96	6717	2.55	ng/uL	0.00
5) Phenol-d5	6.63	99	174870	18.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	128634	20.31	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	140416	20.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.14	113	147488	19.64	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	70530	20.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	74170	19.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.82	165	142039	19.47	ng/ul	0.00
29) 4-Chloroaniline-d4	10.33	131	155745	19.86	ng/ul	0.00
43) Dimethylphthalate-d6	13.49	166	414277	19.56	ng/ul	0.00
46) Acenaphthylene-d8	13.75	160	560066	21.88	ng/ul	0.00
51) 4-Nitrophenol-d4	14.31	143	60127	15.03	ng/ul	0.00
57) Fluorene-d10	15.07	176	405067	21.75	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	50053	13.45	ng/ul	0.00
70) Anthracene-d10	16.92	188	635653	23.48	ng/ul	0.00
78) Pyrene-d10	19.23	212	663958	22.20	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	661411	23.43	ng/ul	-0.01

Target Compounds					Qvalue
44) Dimethylphthalate	13.54	163	39381	1.752	ng/ul 98
47) Acenaphthylene	13.78	152	710440	25.366	ng/ul 99
58) Fluorene	15.15	166	29649	1.338	ng/ul# 45
69) Phenanthrene	16.86	178	109669	3.228	ng/ul 99
71) Anthracene	16.96	178	372375	10.803	ng/ul 98
76) Fluoranthene	18.89	202	1936378	49.943	ng/ul 99
79) Pyrene	19.26	202	5802559	139.704	ng/ul 96
80) Butylbenzylphthalate	20.19	149	24453	1.469	ng/ul# 92
82) Benzo(a)anthracene	21.07	228	1619180	41.217	ng/ul 93
84) Chrysene	21.07	228	1619647	41.414	ng/ul 97
87) Benzo(b)fluoranthene	22.53	252	1572020	43.817	ng/ul 97
88) Benzo(k)fluoranthene	22.53	252	1572020	44.492	ng/ul 97
90) Benzo(a)pyrene	23.06	252	1387635	41.746	ng/ul 96
91) Indeno(1,2,3-cd)pyrene	25.21	276	668359	16.912	ng/ul 94
92) Dibenzo(a,h)anthracene	25.21	278	227793	6.848	ng/ul# 92
93) Benzo(g,h,i)perylene	25.83	276	608091	18.360	ng/ul 94

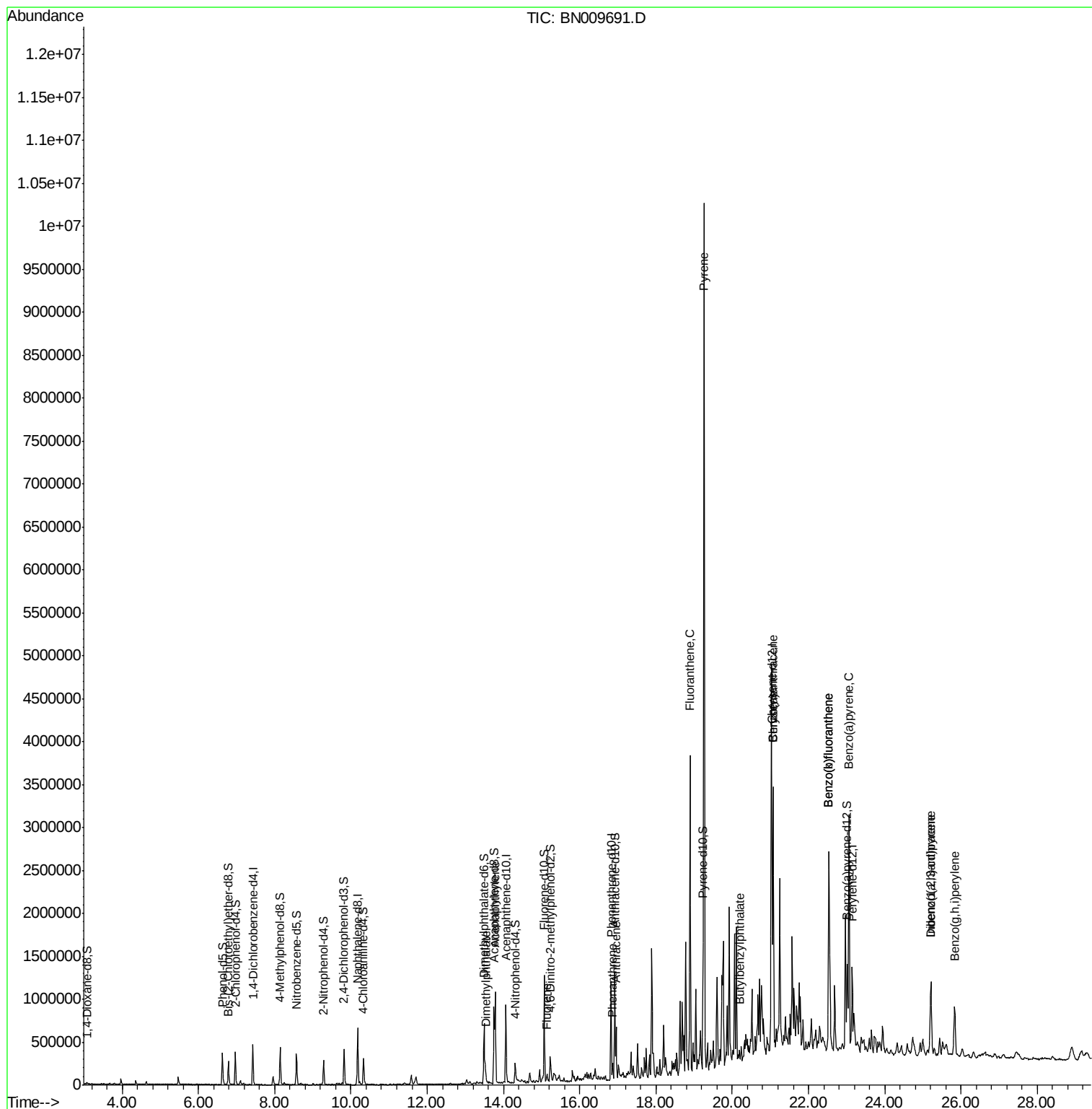
(#) = qualifier out of range (m) = manual integration (+) = signals summed

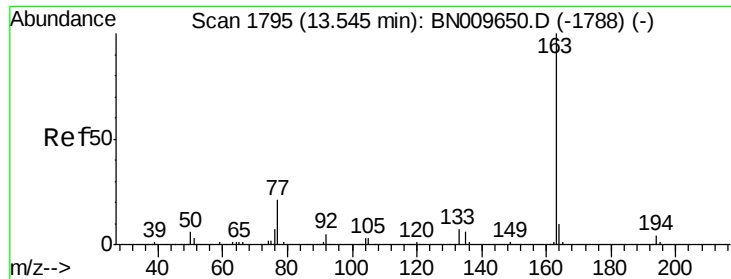
Data File : BN009691.D

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 07 15:21:46 2020
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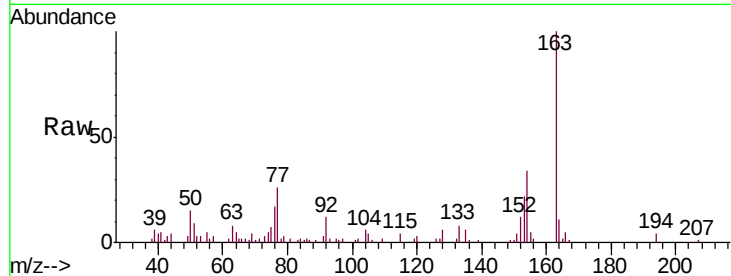




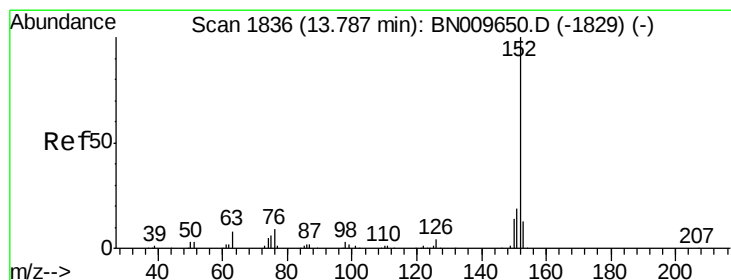
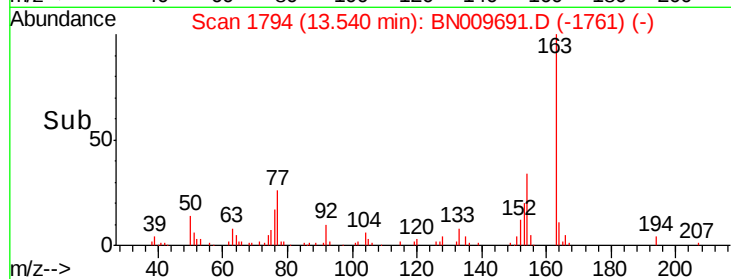
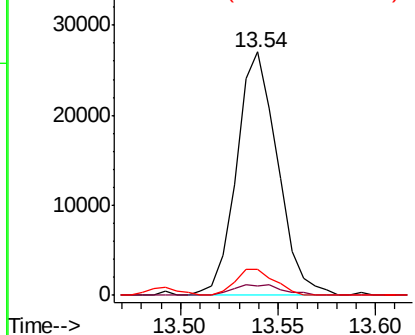
#44
Dimethylphthalate
Concen: 1.752 ng/ul
RT: 13.54 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BN009691.D
Acq: 10 Feb 2020 18:36

Instrument :
BNA_N
ClientSampleId :
GAT69ME

Tgt Ion:163 Resp: 39381
Ion Ratio Lower Upper
163 100
194 4.0 3.5 5.3
164 10.9 8.0 12.0

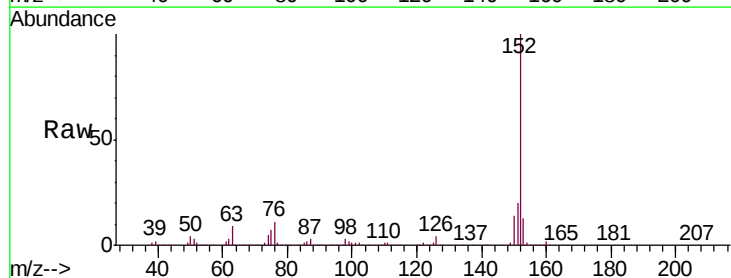


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

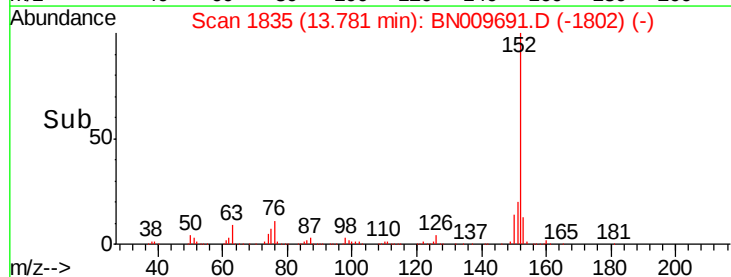
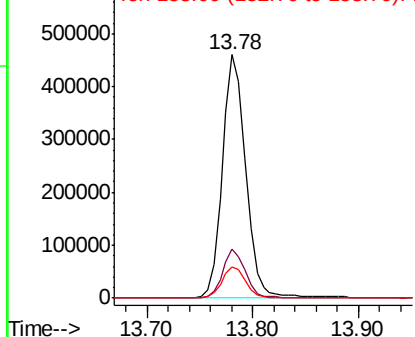


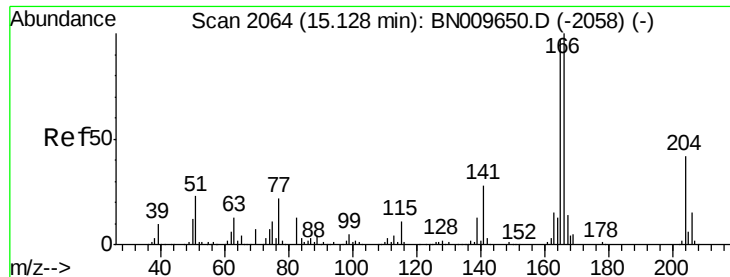
#47
Acenaphthylene
Concen: 25.366 ng/ul
RT: 13.78 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BN009691.D
Acq: 10 Feb 2020 18:36

Tgt Ion:152 Resp: 710440
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 12.8 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





#58

Fluorene

Concen: 1.338 ng/ul

RT: 15.15 min Scan# 2067

Delta R.T. 0.01 min

Lab File: BN009691.D

Acq: 10 Feb 2020 18:36

Instrument :

BNA_N

ClientSampleId :

GAT69ME

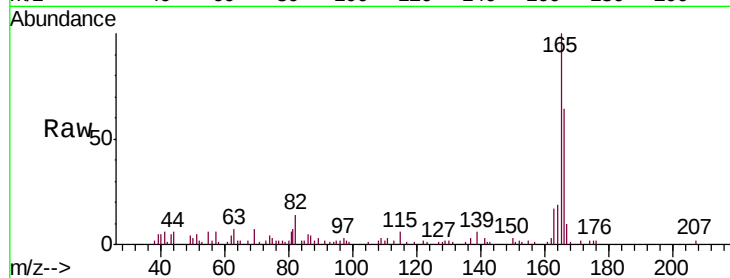
Tgt Ion:166 Resp: 29649

Ion Ratio Lower Upper

166 100

165 157.0 76.7 115.1#

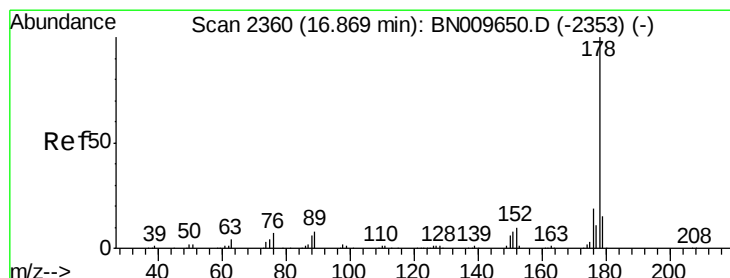
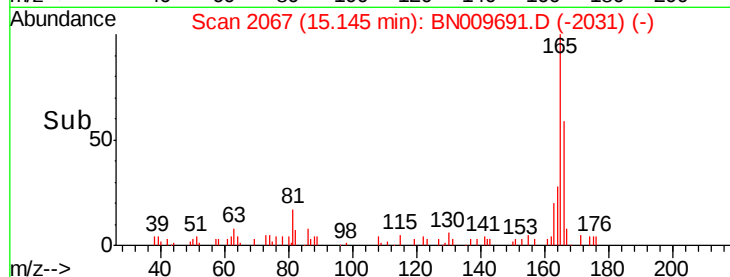
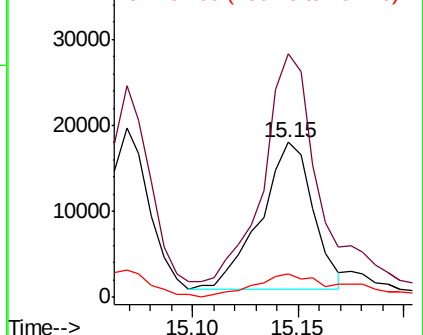
167 15.0 11.1 16.7



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



#69

Phenanthrene

Concen: 3.228 ng/ul

RT: 16.86 min Scan# 2359

Delta R.T. -0.01 min

Lab File: BN009691.D

Acq: 10 Feb 2020 18:36

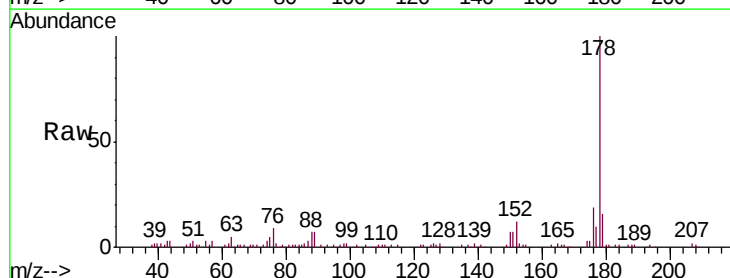
Tgt Ion:178 Resp: 109669

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.2

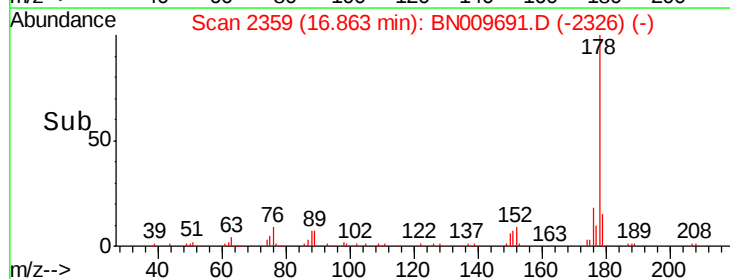
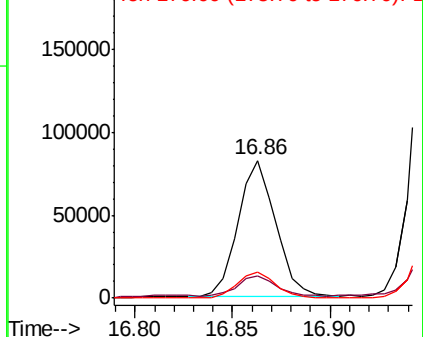
176 18.6 14.8 22.2

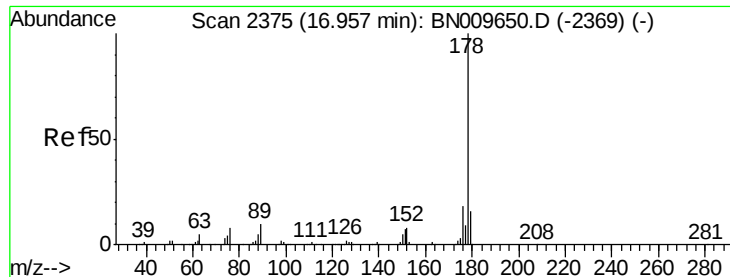


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

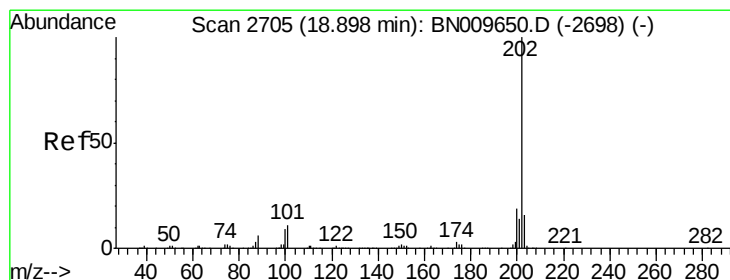
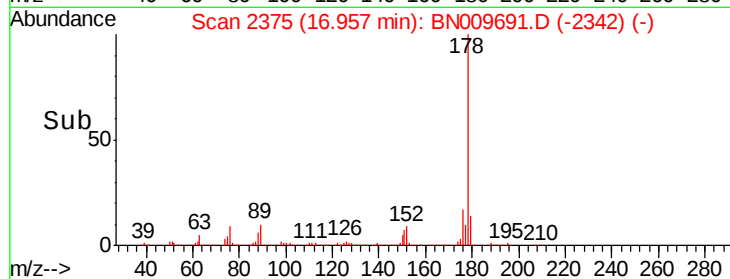
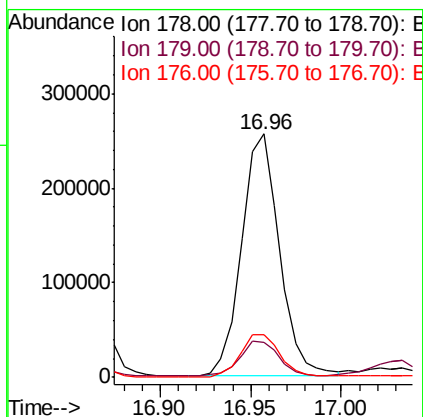
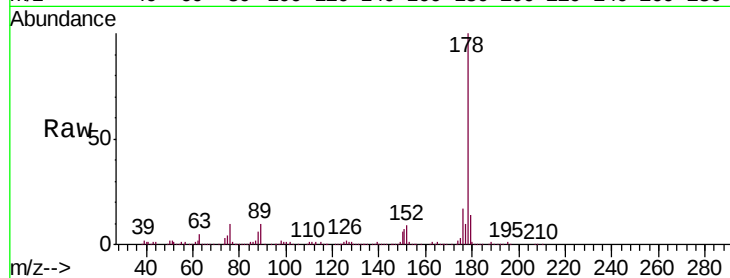




#71
 Anthracene
 Concen: 10.803 ng/ul
 RT: 16.96 min Scan# 2375
 Delta R.T. -0.01 min
 Lab File: BN009691.D
 Acq: 10 Feb 2020 18:36

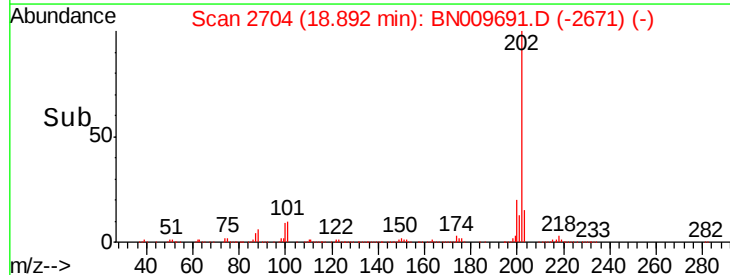
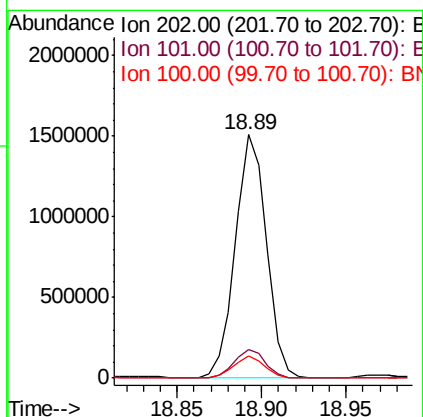
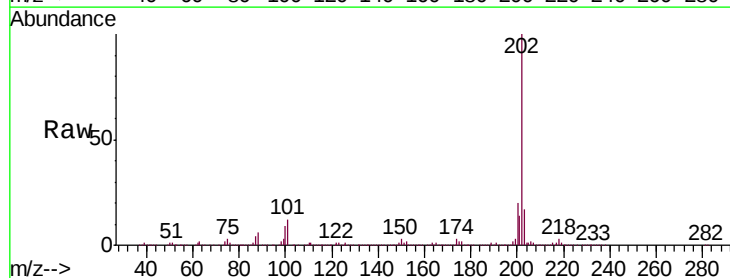
Instrument :
 BNA_N
 ClientSampleId :
 GAT69ME

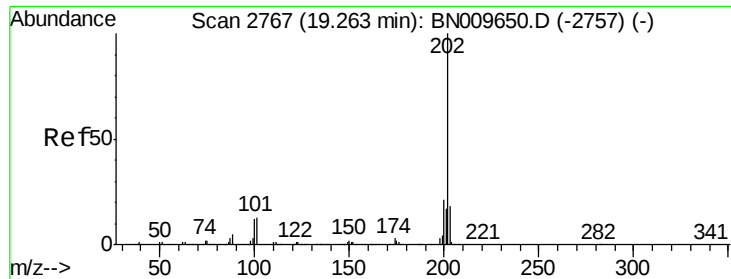
Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.4	12.1	18.1
176	17.4	14.6	21.8



#76
 Fluoranthene
 Concen: 49.943 ng/ul
 RT: 18.89 min Scan# 2704
 Delta R.T. -0.01 min
 Lab File: BN009691.D
 Acq: 10 Feb 2020 18:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.2	13.8
100	9.0	6.9	10.3





#79

Pyrene

Concen: 139.704 ng/ul

RT: 19.26 min Scan# 2767

Delta R.T. -0.00 min

Lab File: BN009691.D

Acq: 10 Feb 2020 18:36

Instrument :

BNA_N

ClientSampleId :

GAT69ME

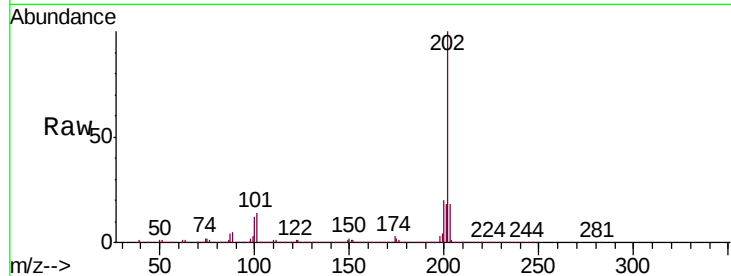
Tgt Ion:202 Resp: 5802559

Ion Ratio Lower Upper

202 100

101 14.4 10.3 15.5

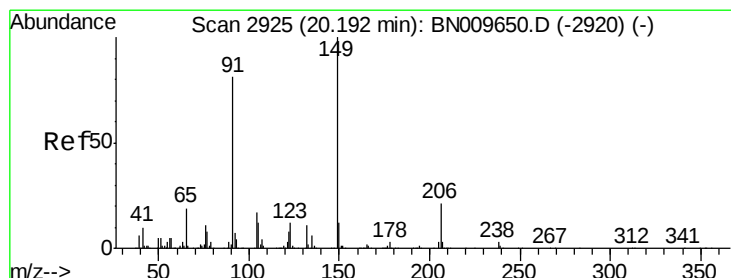
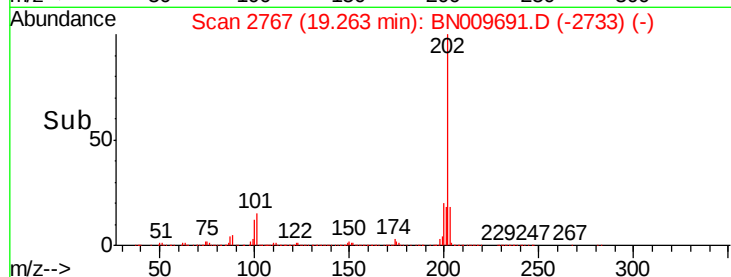
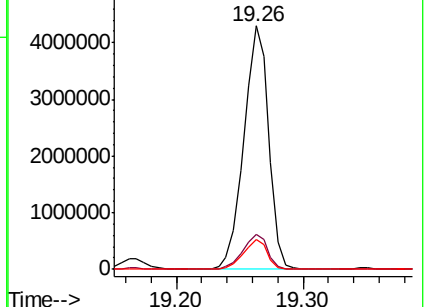
100 12.2 8.4 12.6



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



#80

Butylbenzylphthalate

Concen: 1.469 ng/ul

RT: 20.19 min Scan# 2924

Delta R.T. -0.01 min

Lab File: BN009691.D

Acq: 10 Feb 2020 18:36

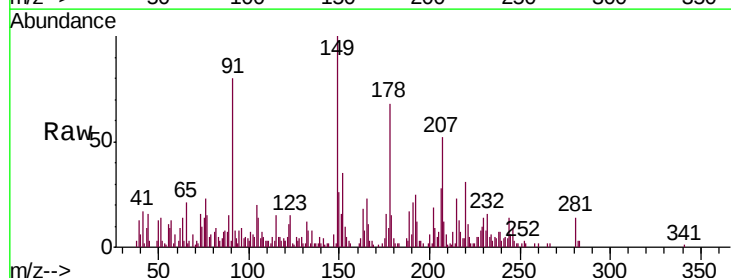
Tgt Ion:149 Resp: 24453

Ion Ratio Lower Upper

149 100

91 80.0 59.8 89.8

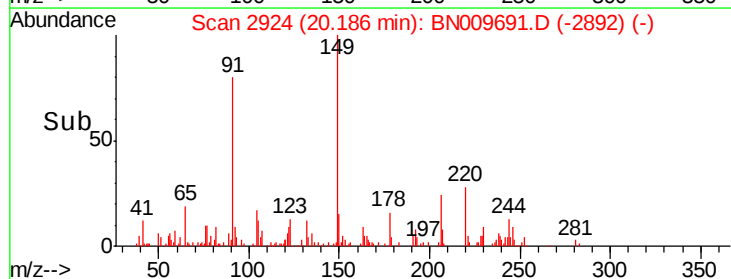
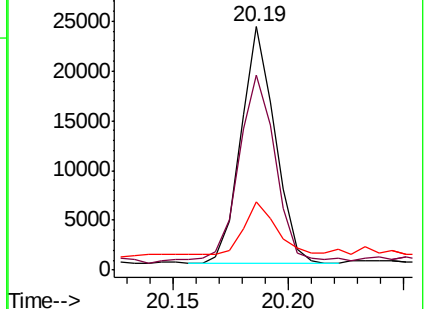
206 28.0 16.2 24.2#

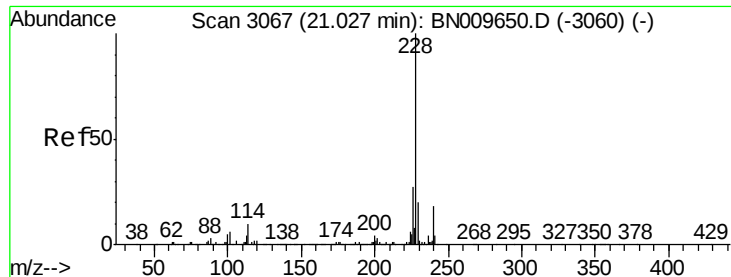


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E





#82

Benzo(a)anthracene

Concen: 41.217 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. 0.04 min

Lab File: BN009691.D

Acq: 10 Feb 2020 18:36

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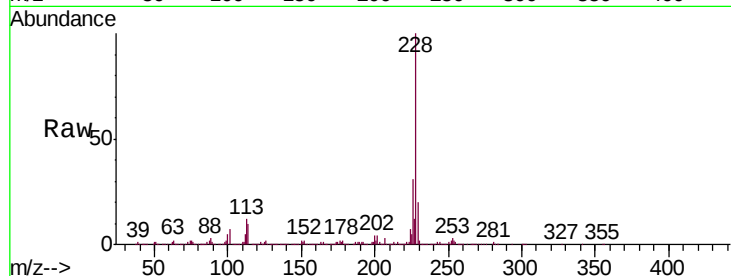
Tgt Ion:228 Resp: 1619180

Ion Ratio Lower Upper

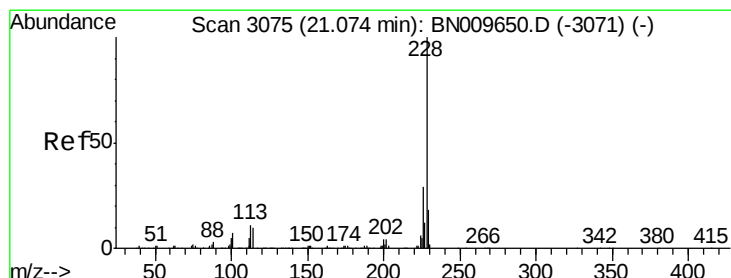
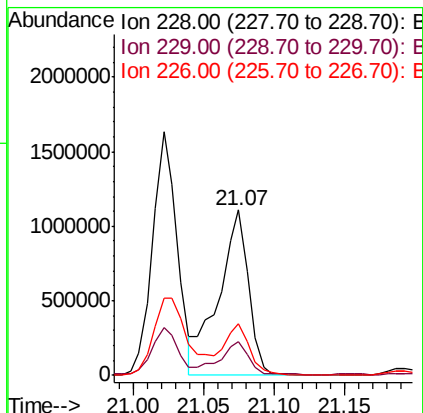
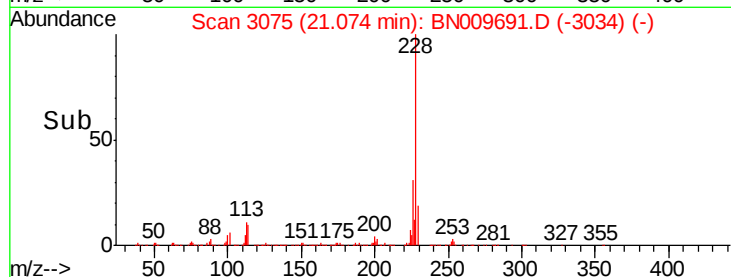
228 100

229 20.4 15.0 22.4

226 31.3 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: 41.414 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BN009691.D

Acq: 10 Feb 2020 18:36

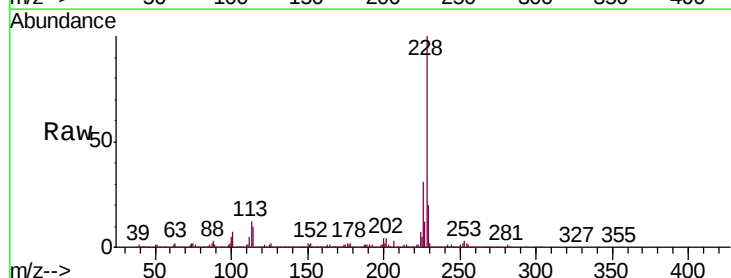
Tgt Ion:228 Resp: 1619647

Ion Ratio Lower Upper

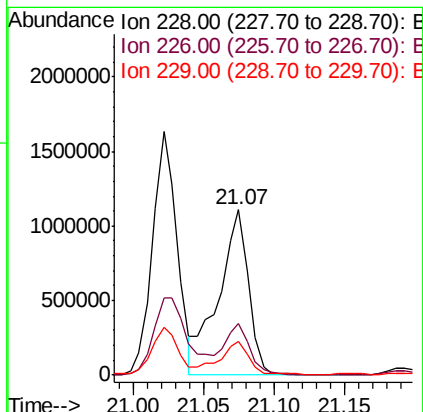
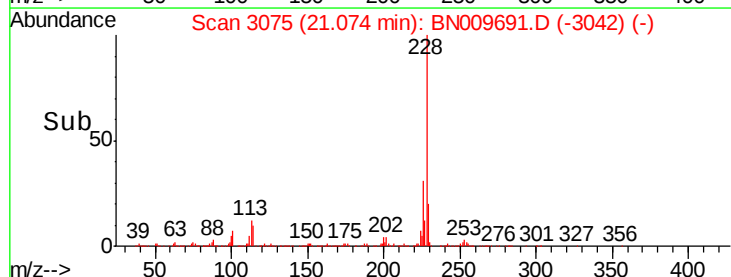
228 100

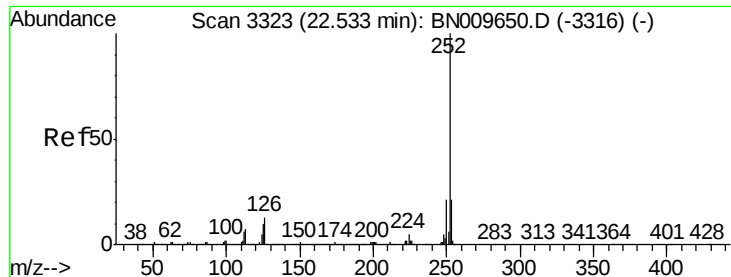
226 31.3 23.5 35.3

229 20.4 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: 43.817 ng/u1

RT: 22.53 min Scan# 3323

Delta R.T. -0.01 min

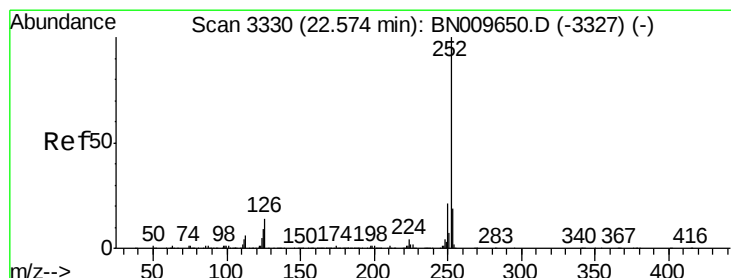
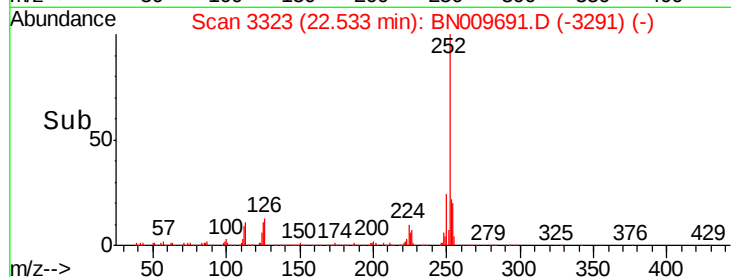
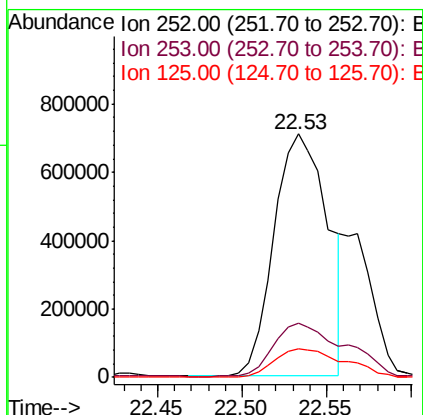
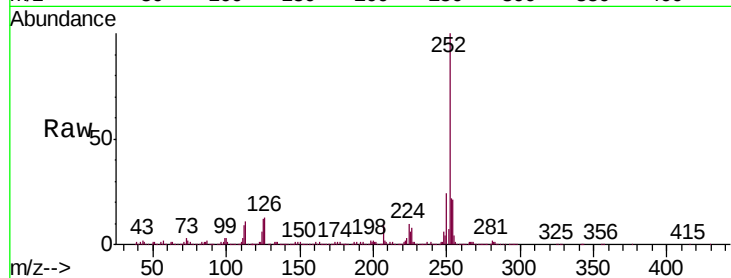
Lab File: BN009691.D

Acq: 10 Feb 2020 18:36

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Tgt Ion:252 Resp: 1572020

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	11.5	8.2	12.2



#88

Benzo(k)fluoranthene

Concen: 44.492 ng/u1

RT: 22.53 min Scan# 3323

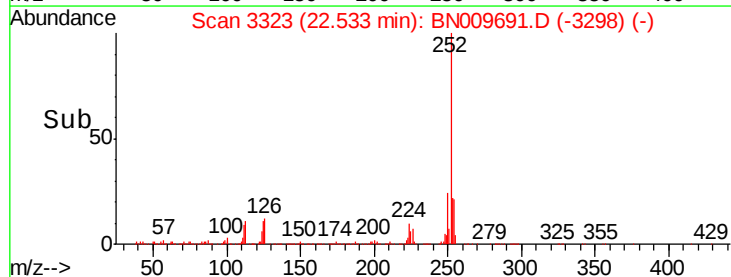
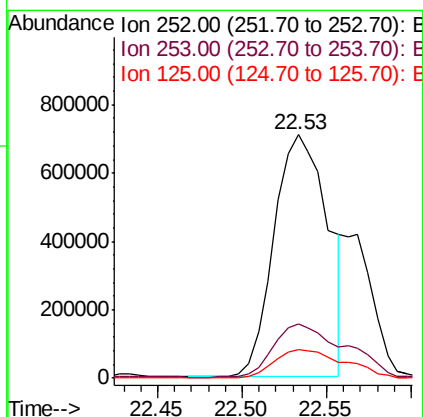
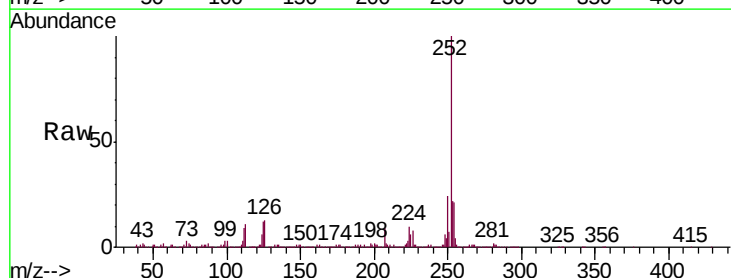
Delta R.T. -0.05 min

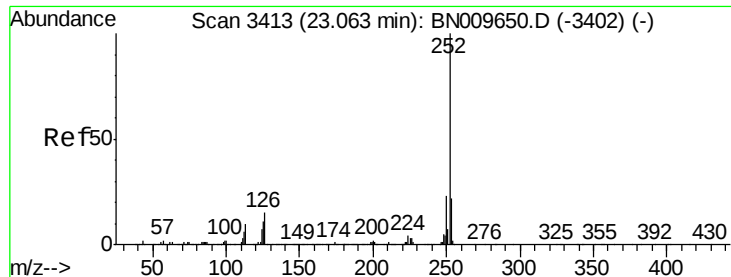
Lab File: BN009691.D

Acq: 10 Feb 2020 18:36

Tgt Ion:252 Resp: 1572020

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.4
125	11.5	8.0	12.0





#90

Benzo(a)pyrene

Concen: 41.746 ng/ul

RT: 23.06 min Scan# 3413

Delta R.T. -0.01 min

Lab File: BN009691.D

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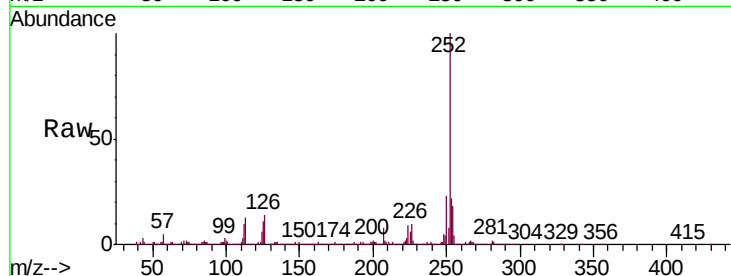
Tgt Ion:252 Resp: 1387635

Ion Ratio Lower Upper

252 100

253 22.0 15.8 23.8

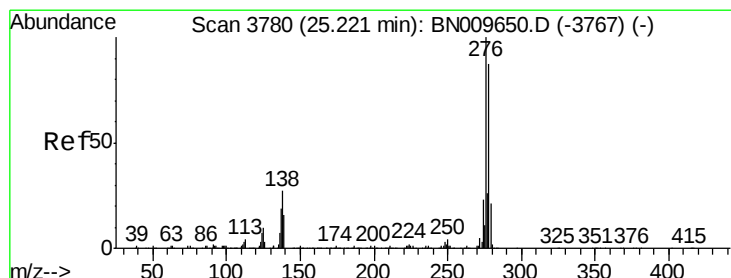
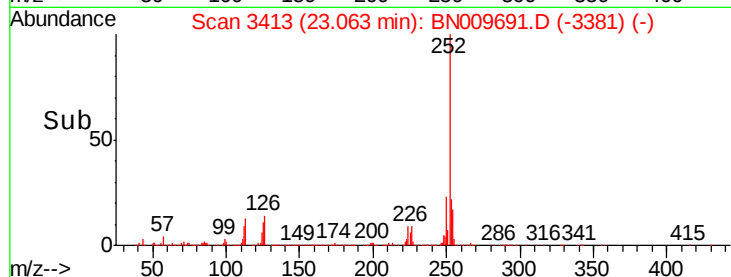
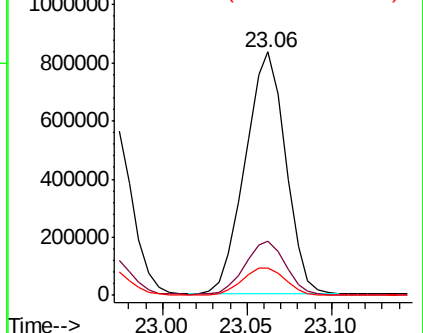
125 11.3 8.7 13.1



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: 16.912 ng/ul

RT: 25.21 min Scan# 3778

Delta R.T. -0.02 min

Lab File: BN009691.D

Acq: 10 Feb 2020 18:36

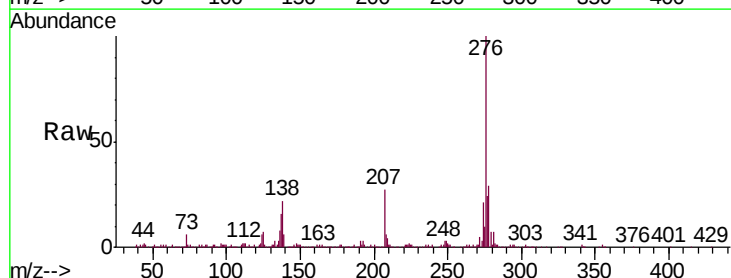
Tgt Ion:276 Resp: 668359

Ion Ratio Lower Upper

276 100

138 22.2 20.3 30.5

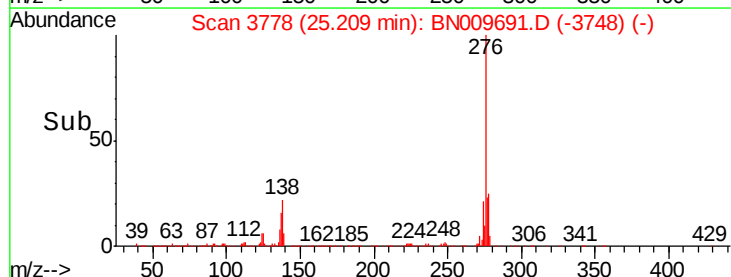
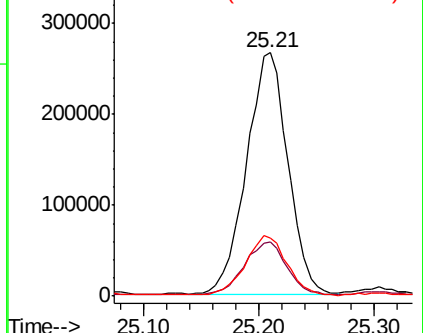
277 23.7 21.2 31.8

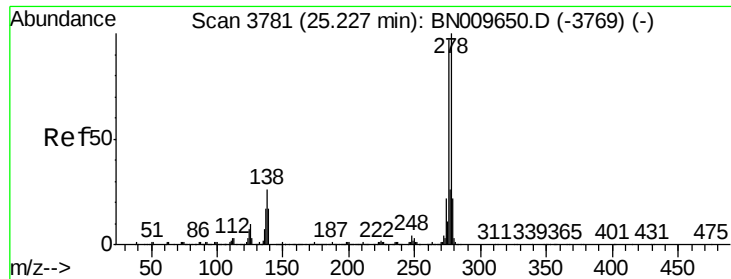


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 6.848 ng/ul

RT: 25.21 min Scan# 3778

Delta R.T. -0.03 min

Lab File: BN009691.D

Acq: 10 Feb 2020 18:36

Instrument :

BNA_N

ClientSampled :

GAT69ME

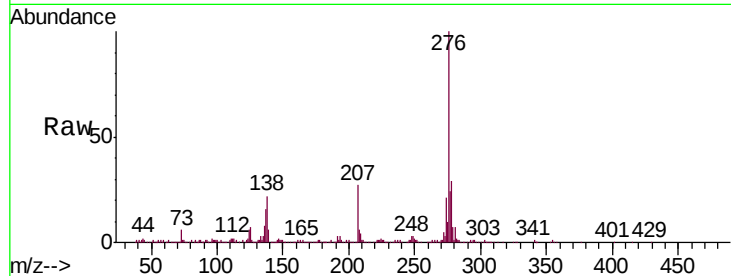
Tgt Ion:278 Resp: 227793

Ion Ratio Lower Upper

278 100

139 22.0 12.7 19.1#

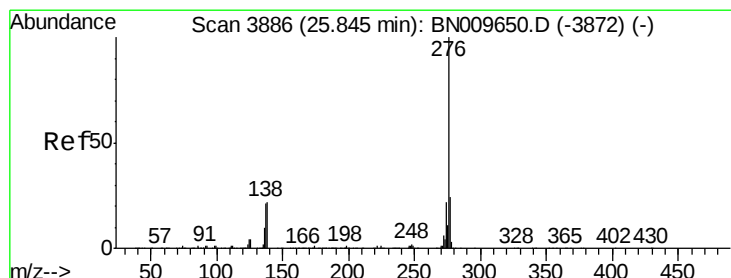
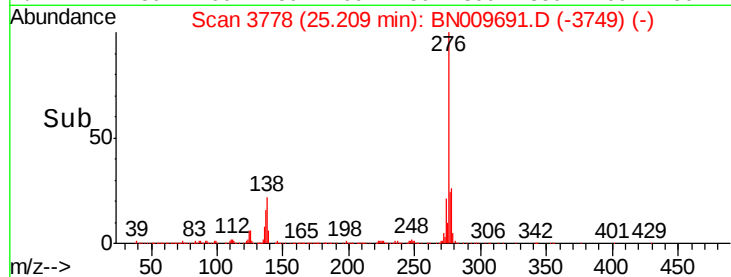
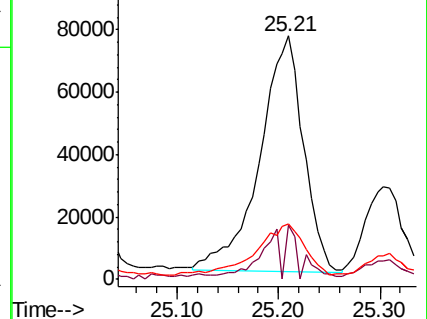
279 22.7 19.8 29.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 18.360 ng/ul

RT: 25.83 min Scan# 3884

Delta R.T. -0.02 min

Lab File: BN009691.D

Acq: 10 Feb 2020 18:36

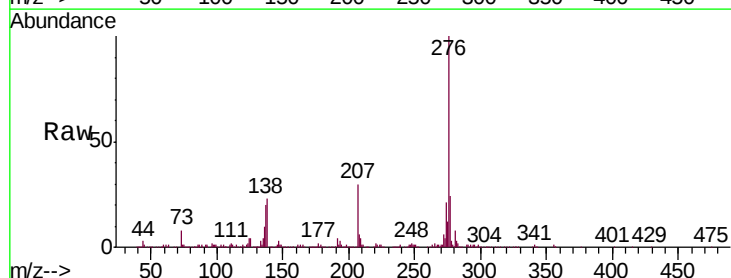
Tgt Ion:276 Resp: 608091

Ion Ratio Lower Upper

276 100

138 23.2 16.0 24.0

277 23.9 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

