

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN020620\
 Data File : BN009644.D
 Acq On : 07 Feb 2020 12:36
 Operator : CG/JU
 Sample : L1324-08DL 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT65DL

Quant Time: Feb 07 15:24:47 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	159492	20.00	ng/ul	0.00
18) Naphthalene-d8	10.18	136	685026	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	411238	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	843168	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	777276	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	873032	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	1204	0.31	ng/uL	0.00
5) Phenol-d5	6.64	99	36476	2.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	30297	3.24	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	30634	2.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	16343	1.48	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	15433	3.03	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	15213	2.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.83	165	27435	2.58	ng/ul	0.00
29) 4-Chloroaniline-d4	10.34	131	21561	1.88	ng/ul	0.00
43) Dimethylphthalate-d6	13.50	166	97283	3.24	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	120137	3.31	ng/ul	0.00
51) 4-Nitrophenol-d4	14.29	143	786	0.14	ng/ul	-0.02
57) Fluorene-d10	15.07	176	92298	3.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	7708	1.46	ng/ul	0.00
70) Anthracene-d10	16.93	188	137719	3.59	ng/ul	0.00
78) Pyrene-d10	19.23	212	153511	3.76	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	150970	3.51	ng/ul	0.00

Target Compounds

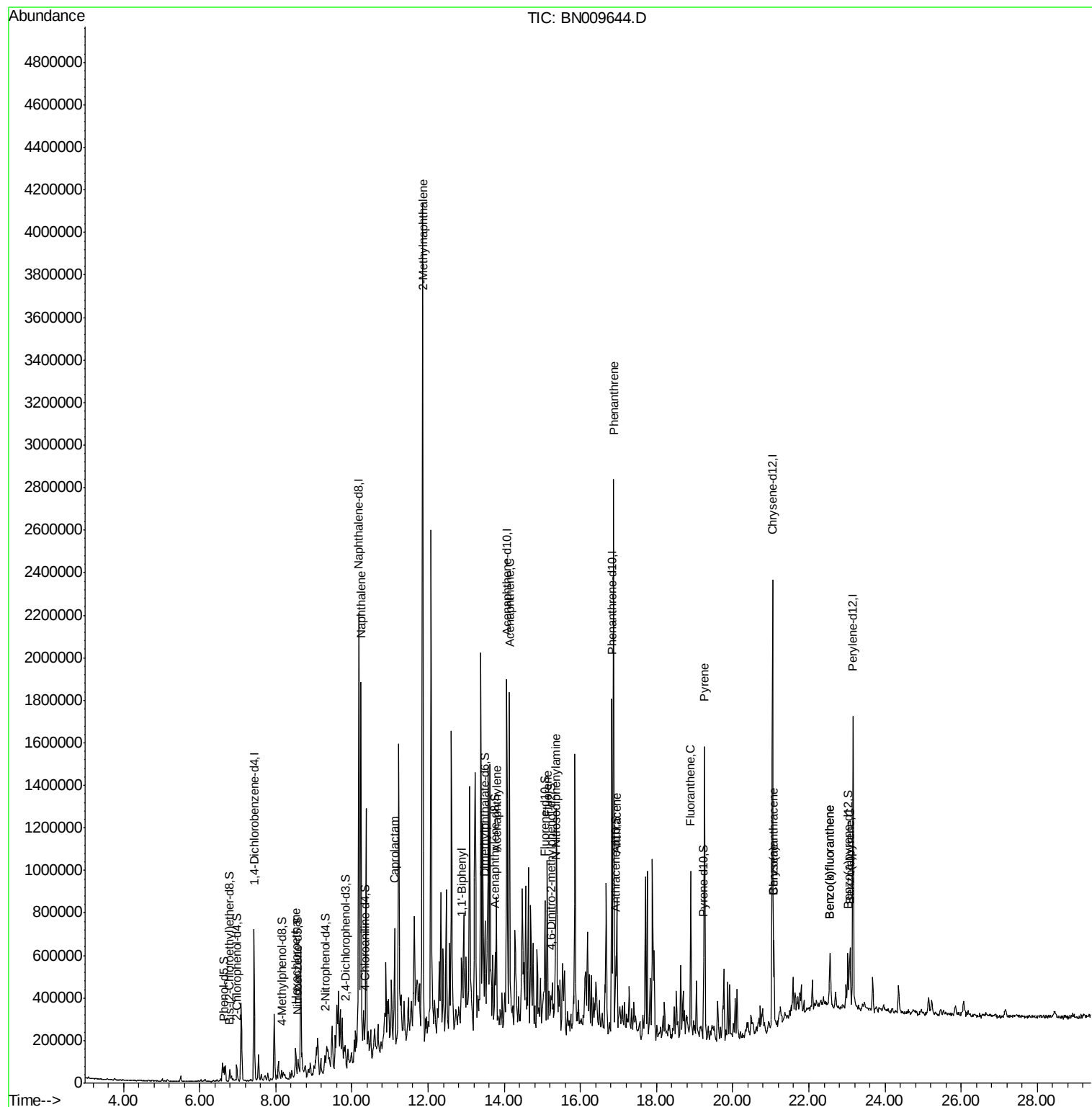
						Qvalue
17) Hexachloroethane	8.52	117	22405	4.65	ng/ul#	8
28) Naphthalene	10.23	128	1196782	32.22	ng/ul	99
32) Caprolactam	11.13	113	6629	1.83	ng/ul#	1
34) 2-Methylnaphthalene	11.86	142	1534375	59.02	ng/ul	96
40) 1,1'-Biphenyl	12.89	154	51468	1.61	ng/ul	96
47) Acenaphthylene	13.79	152	115027	2.90	ng/ul#	87
49) Acenaphthene	14.13	153	536372	19.88	ng/ul	98
58) Fluorene	15.13	166	284417	9.06	ng/ul	99
64) N-Nitrosodiphenylamine	15.36	169	38141	1.51	ng/ul#	91
69) Phenanthrene	16.87	178	1343364	27.94	ng/ul	98
71) Anthracene	16.96	178	336758	6.90	ng/ul	98
76) Fluoranthene	18.90	202	401473	7.32	ng/ul	99
79) Pyrene	19.26	202	780829	13.76	ng/ul	97
82) Benzo(a)anthracene	21.08	228	203771	3.80	ng/ul	94
84) Chrysene	21.08	228	203771	3.81	ng/ul	99
87) Benzo(b)fluoranthene	22.55	252	168079	3.08	ng/ul#	93
88) Benzo(k)fluoranthene	22.55	252	168079	3.12	ng/ul#	93
90) Benzo(a)pyrene	23.07	252	143298	2.83	ng/ul#	94

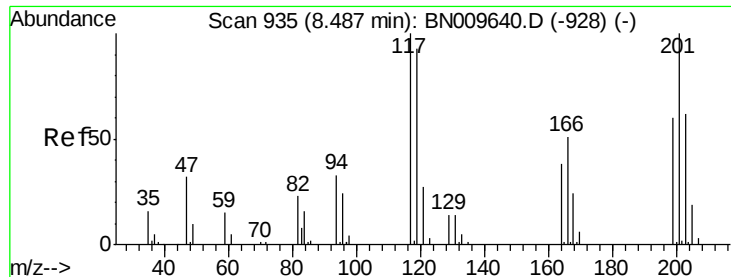
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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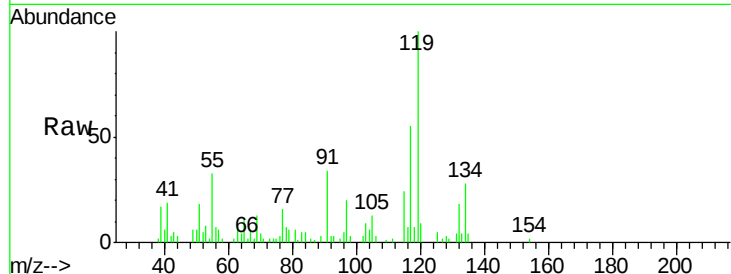




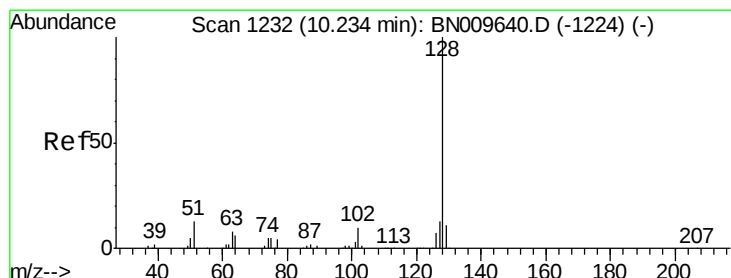
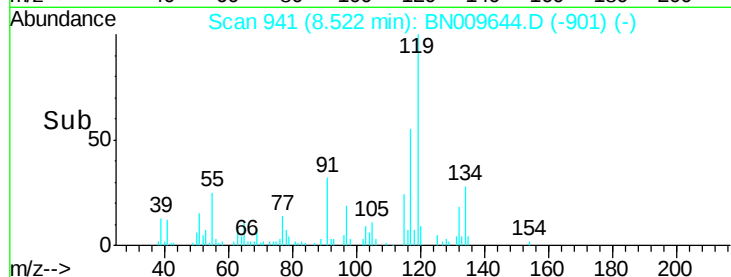
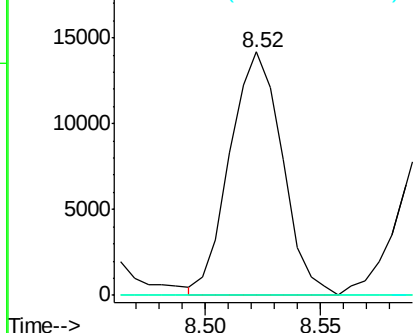
#17
Hexachloroethane
Concen: 4.65 ng/ul
RT: 8.52 min Scan# 941
Delta R.T. 0.04 min
Lab File: BN009644.D
Acq: 07 Feb 2020 12:36

Instrument :
BNA_N
ClientSampleId :
GAT65DL

Tgt Ion:117 Resp: 22405
Ion Ratio Lower Upper
117 100
201 0.0 78.8 118.2#
199 0.0 49.0 73.4#

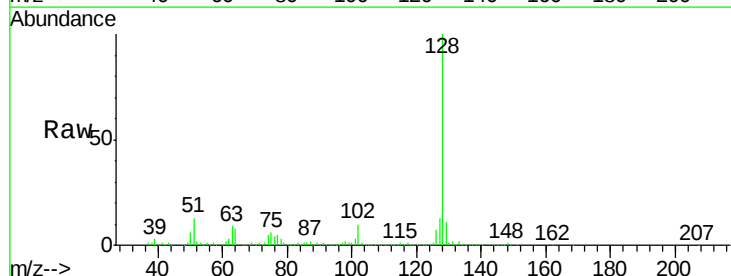


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

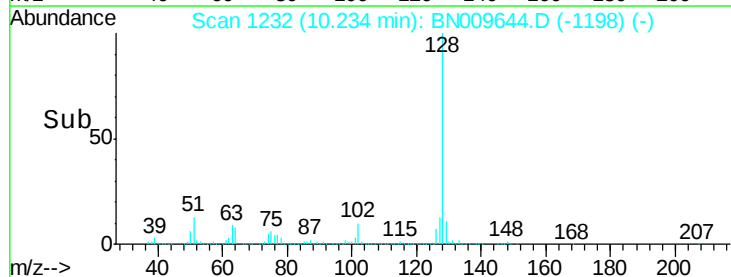
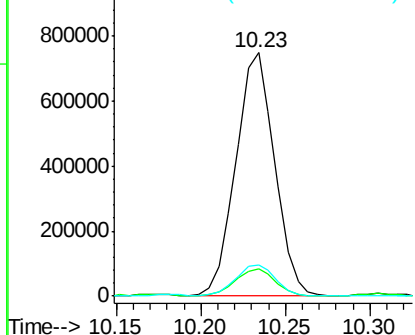


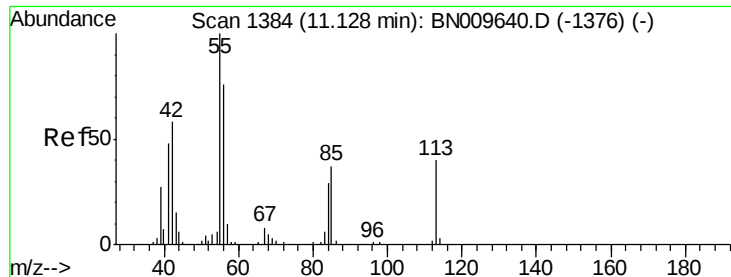
#28
Naphthalene
Concen: 32.22 ng/ul
RT: 10.23 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BN009644.D
Acq: 07 Feb 2020 12:36

Tgt Ion:128 Resp: 1196782
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.6 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





#32

Caprolactam

Concen: 1.83 ng/ul

RT: 11.13 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BN009644.D

Acq: 07 Feb 2020 12:36

Instrument :

BNA_N

ClientSampled :

GAT65DL

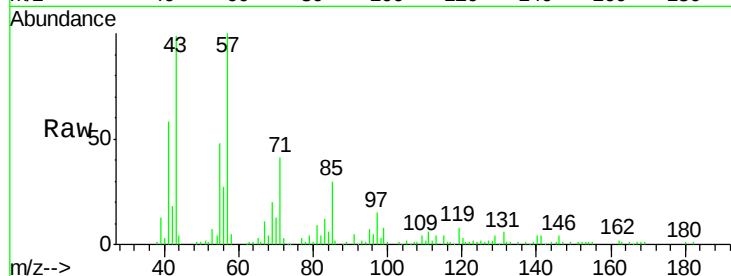
Tgt Ion:113 Resp: 6629

Ion Ratio Lower Upper

113 100

55 1121.7 207.0 310.6#

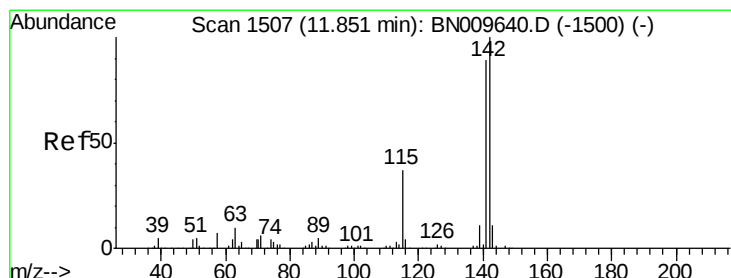
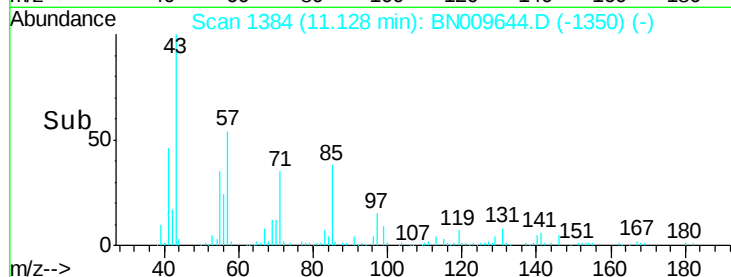
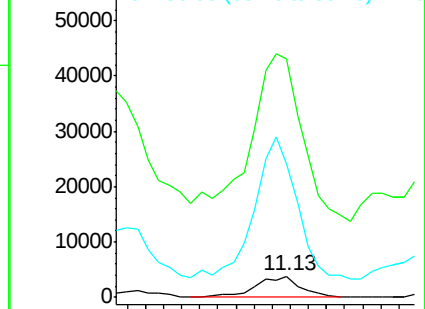
56 629.8 159.3 238.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNC

Ion 56.00 (55.70 to 56.70): BNC



#34

2-Methylnaphthalene

Concen: 59.02 ng/ul

RT: 11.86 min Scan# 1508

Delta R.T. 0.01 min

Lab File: BN009644.D

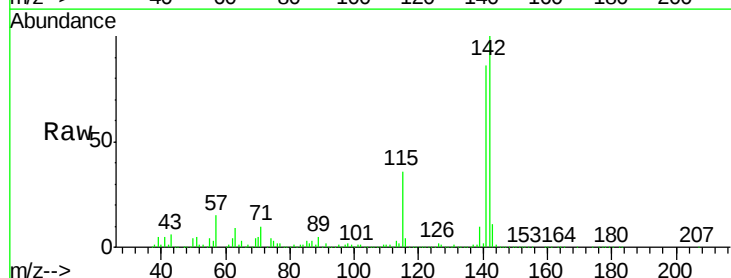
Acq: 07 Feb 2020 12:36

Tgt Ion:142 Resp: 1534375

Ion Ratio Lower Upper

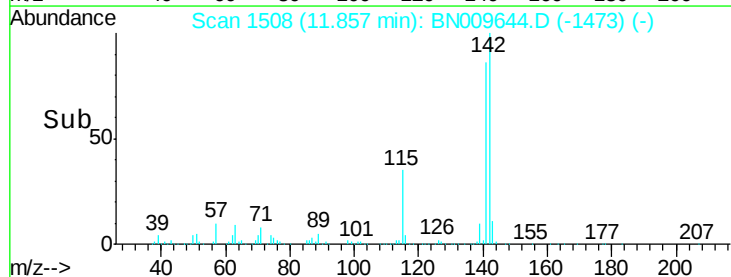
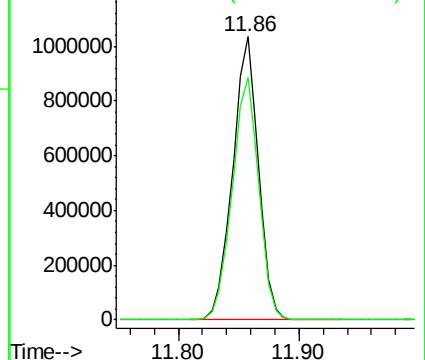
142 100

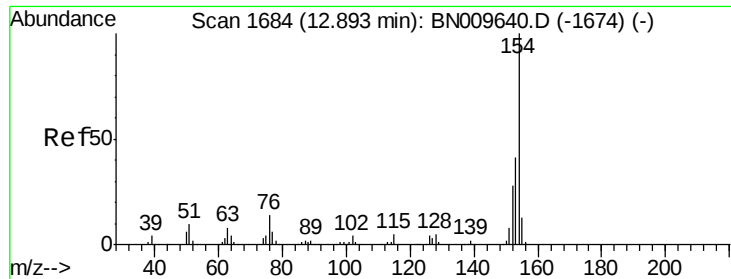
141 85.8 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 1.61 ng/ul

RT: 12.89 min Scan# 1684

Delta R.T. 0.00 min

Lab File: BN009644.D

Acq: 07 Feb 2020 12:36

Instrument :

BNA_N

ClientSampleId :

GAT65DL

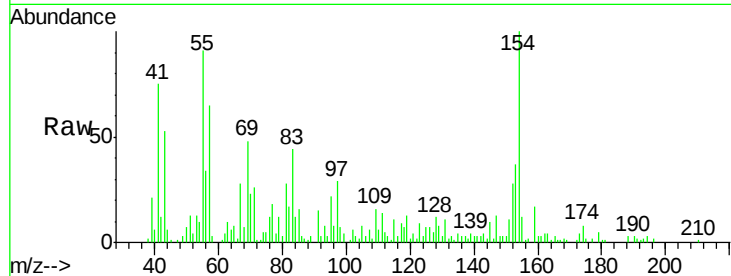
Tgt Ion:154 Resp: 51468

Ion Ratio Lower Upper

154 100

153 36.8 31.2 46.8

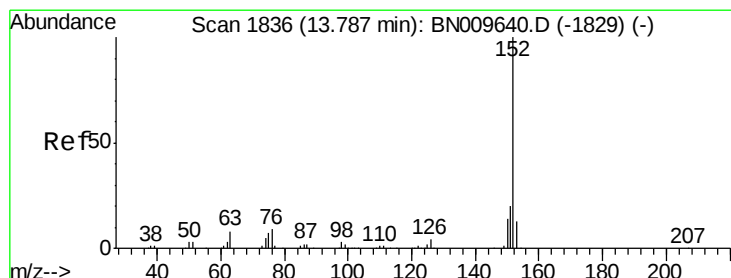
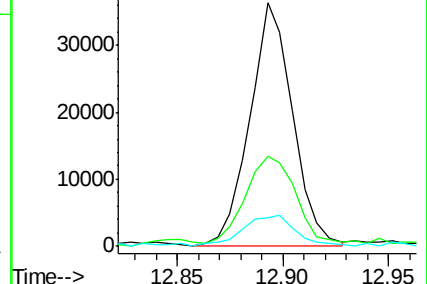
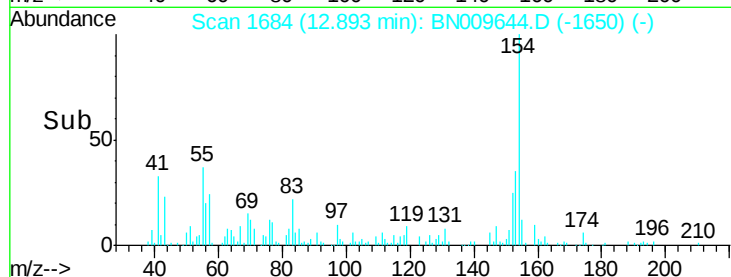
76 11.9 11.4 17.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC



#47

Acenaphthylene

Concen: 2.90 ng/ul

RT: 13.79 min Scan# 1836

Delta R.T. 0.00 min

Lab File: BN009644.D

Acq: 07 Feb 2020 12:36

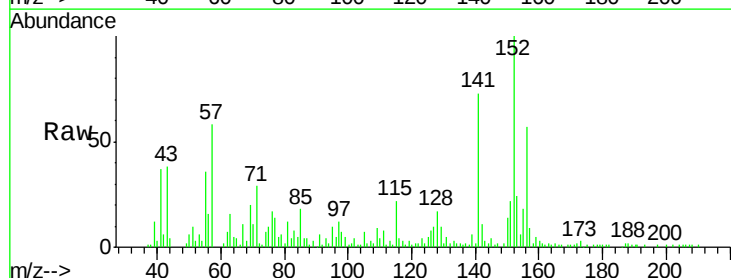
Tgt Ion:152 Resp: 115027

Ion Ratio Lower Upper

152 100

151 22.4 16.2 24.2

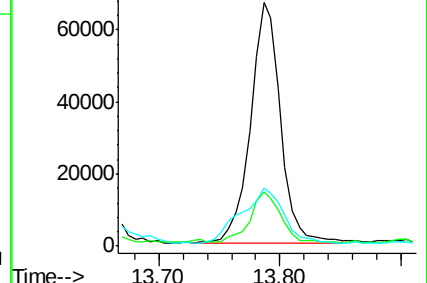
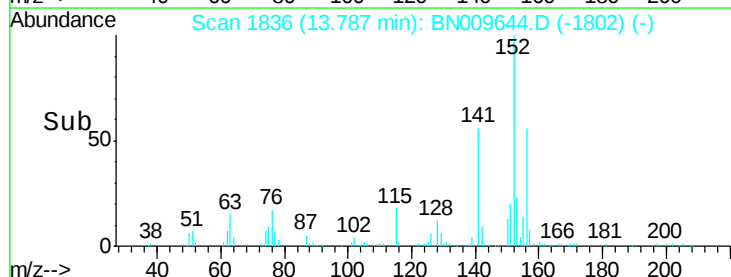
153 23.7 10.6 15.8#

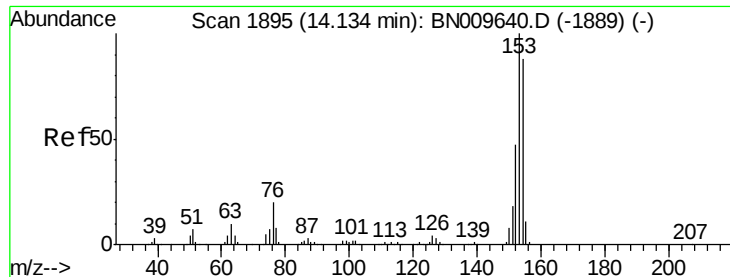


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 19.88 ng/ul

RT: 14.13 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BN009644.D

Acq: 07 Feb 2020 12:36

Instrument :

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GAT65DL

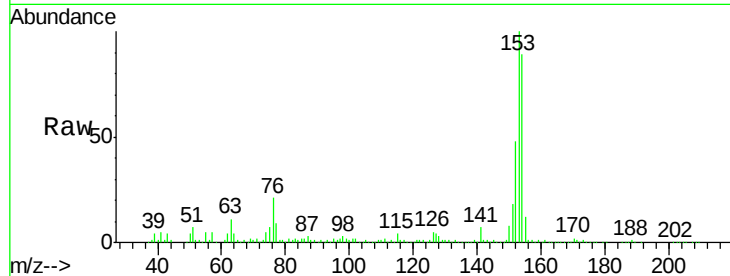
Tgt Ion:153 Resp: 536372

Ion Ratio Lower Upper

153 100

152 47.5 37.3 55.9

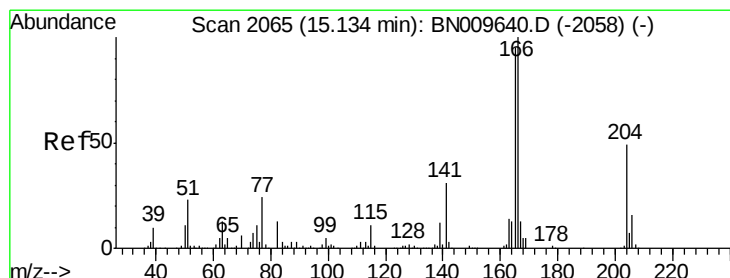
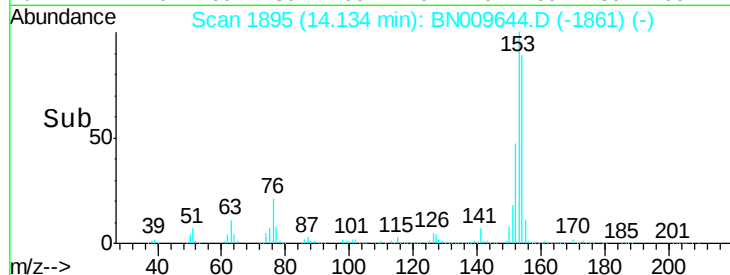
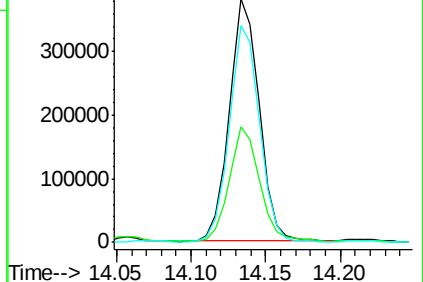
154 89.2 70.2 105.2



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



#58

Fluorene

Concen: 9.06 ng/ul

RT: 15.13 min Scan# 2065

Delta R.T. 0.00 min

Lab File: BN009644.D

Acq: 07 Feb 2020 12:36

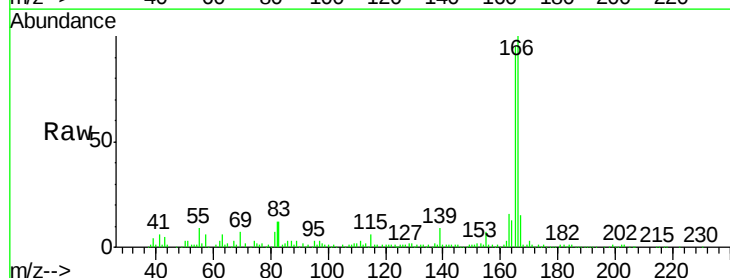
Tgt Ion:166 Resp: 284417

Ion Ratio Lower Upper

166 100

165 95.0 76.7 115.1

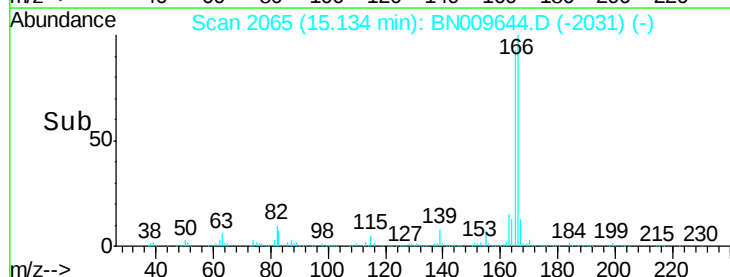
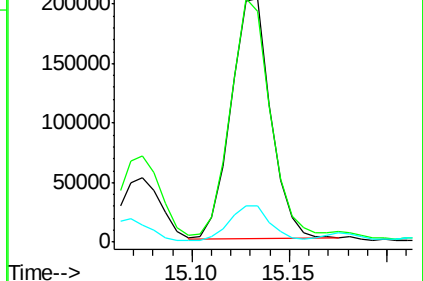
167 14.8 11.1 16.7

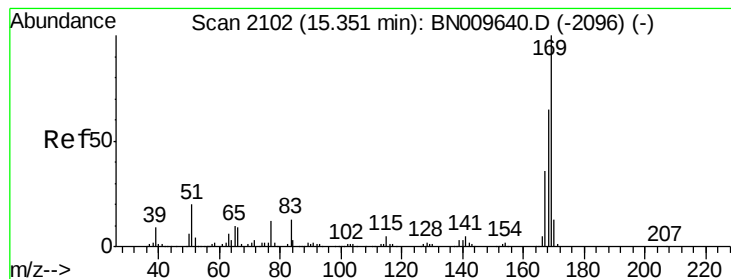


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

N-Nitrosodiphenylamine

Concen: 1.51 ng/ul

RT: 15.36 min Scan# 2103

Delta R.T. 0.01 min

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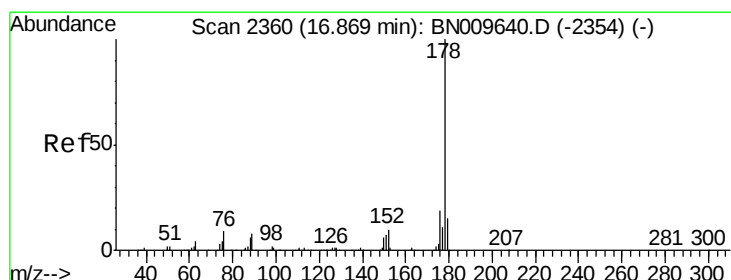
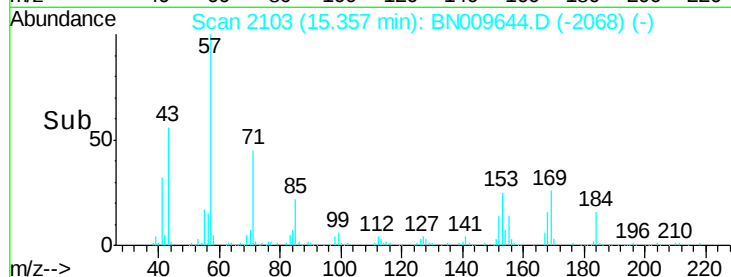
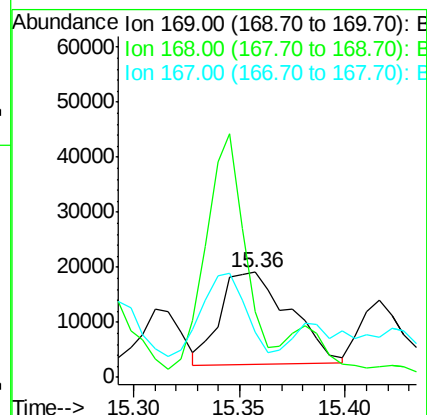
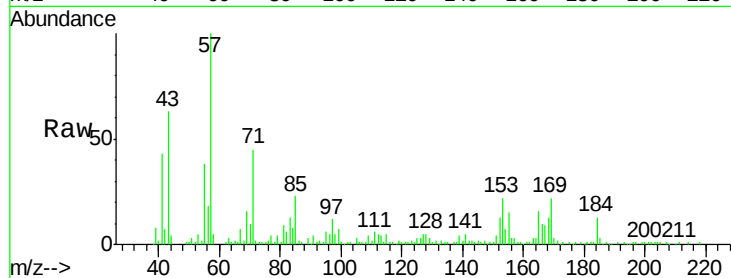
Tgt Ion:169 Resp: 38141

Ion Ratio Lower Upper

169 100

168 62.2 53.8 80.8

167 42.9 27.5 41.3#



#69

Phenanthrene

Concen: 27.94 ng/ul

RT: 16.87 min Scan# 2360

Delta R.T. 0.00 min

Lab File: BN009644.D

Acq: 07 Feb 2020 12:36

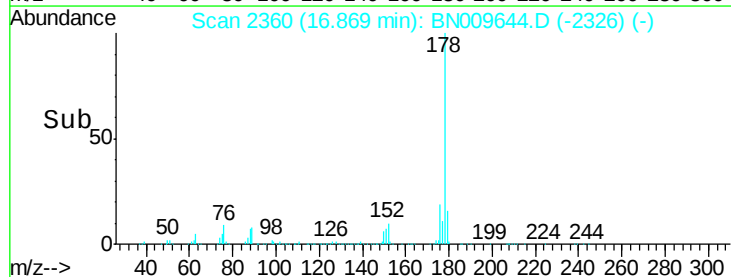
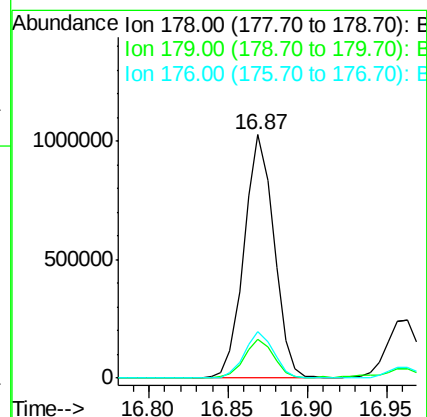
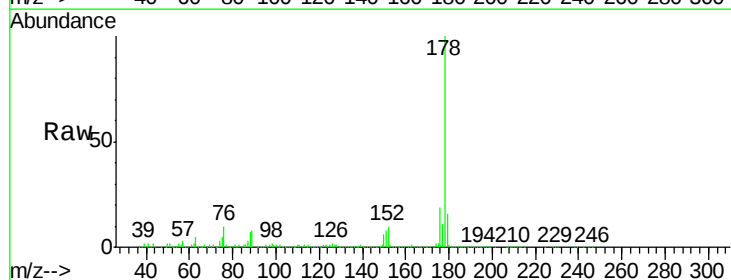
Tgt Ion:178 Resp: 1343364

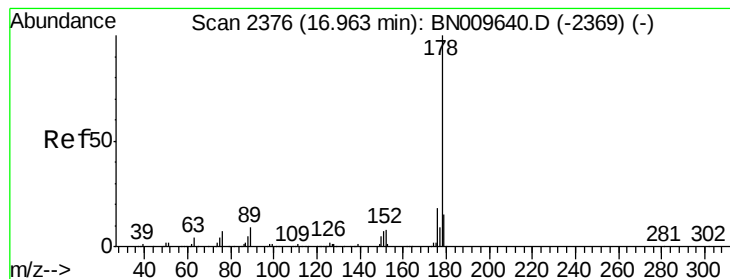
Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.2

176 19.3 14.8 22.2





#71

Anthracene

Concen: 6.90 ng/ul

RT: 16.96 min Scan# 2376

Delta R.T. 0.00 min

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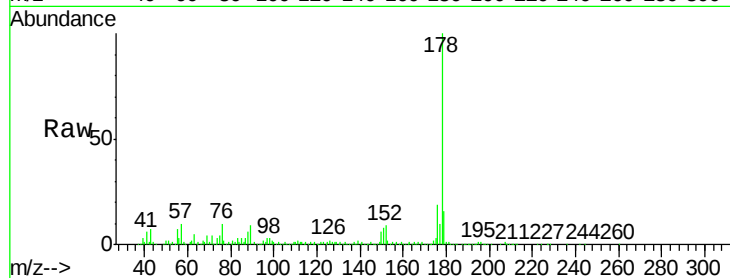
Tgt Ion:178 Resp: 336758

Ion Ratio Lower Upper

178 100

179 16.1 12.1 18.1

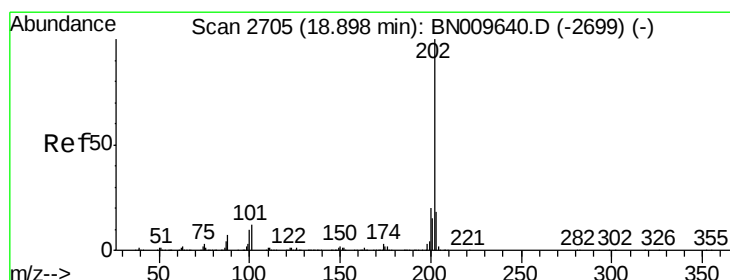
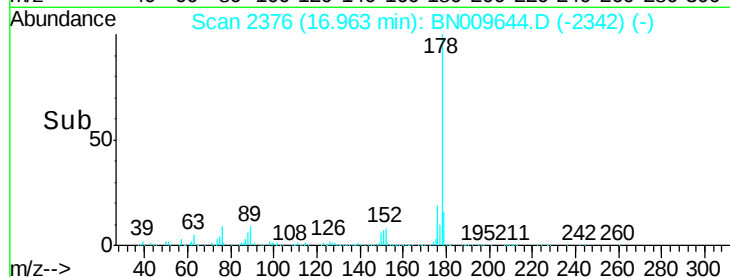
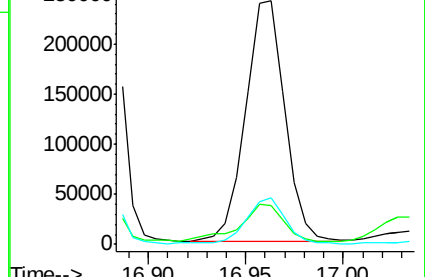
176 19.1 14.6 21.8



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: 7.32 ng/ul

RT: 18.90 min Scan# 2705

Delta R.T. 0.00 min

Lab File: BN009644.D

Acq: 07 Feb 2020 12:36

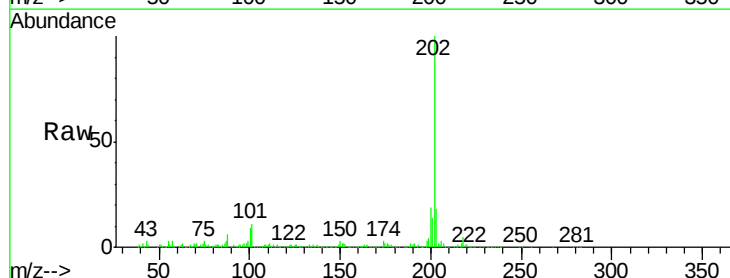
Tgt Ion:202 Resp: 401473

Ion Ratio Lower Upper

202 100

101 11.3 9.2 13.8

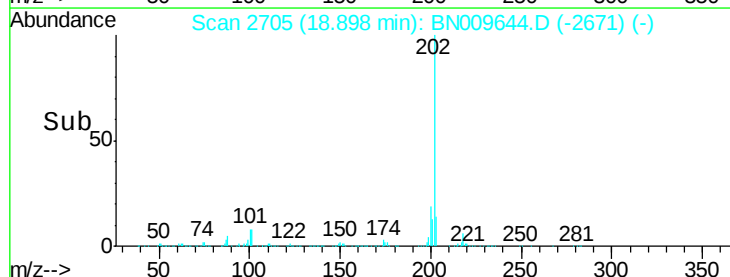
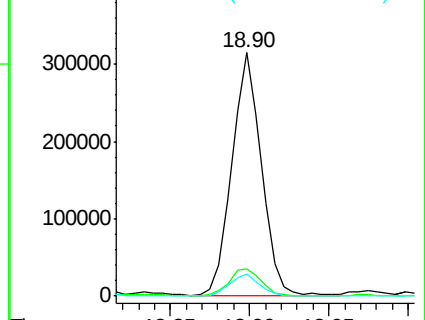
100 8.9 6.9 10.3

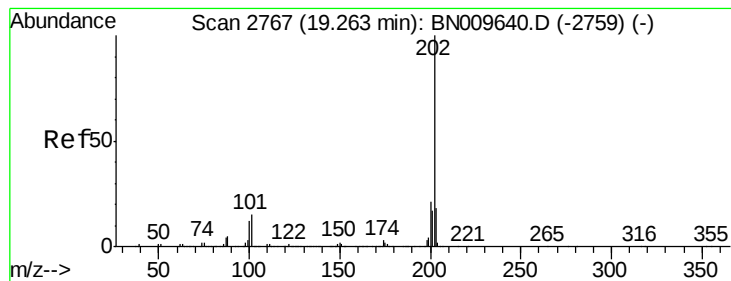


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pyrene

Concen: 13.76 ng/ul

RT: 19.26 min Scan# 2767

Delta R.T. 0.00 min

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GAT65DL

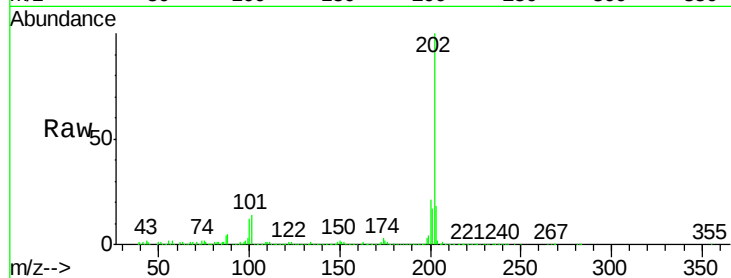
Tgt Ion:202 Resp: 780829

Ion Ratio Lower Upper

202 100

101 14.2 10.3 15.5

100 11.8 8.4 12.6

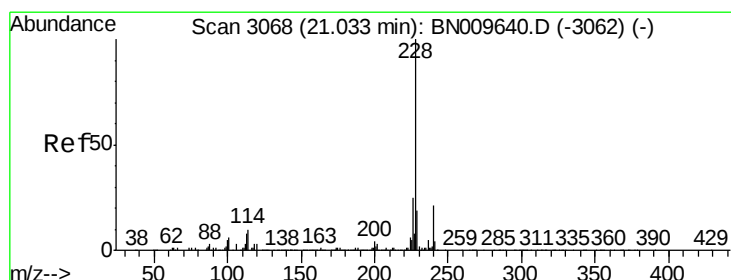
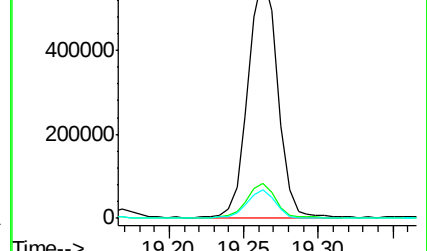
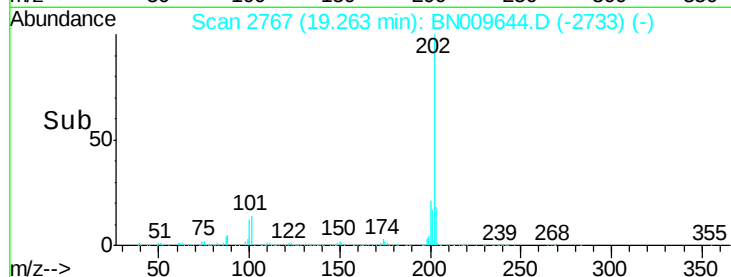


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



#82

Benzo(a)anthracene

Concen: 3.80 ng/ul

RT: 21.08 min Scan# 3076

Delta R.T. 0.05 min

Lab File: BN009644.D

Acq: 07 Feb 2020 12:36

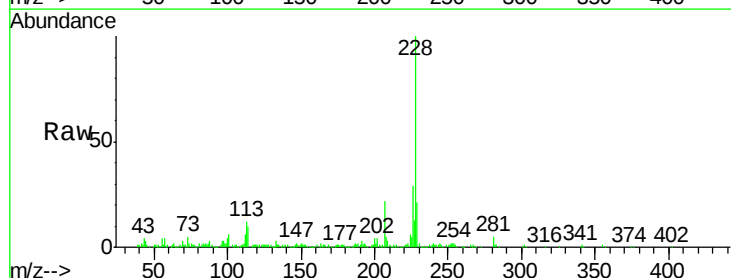
Tgt Ion:228 Resp: 203771

Ion Ratio Lower Upper

228 100

229 20.9 15.0 22.4

226 29.4 20.9 31.3

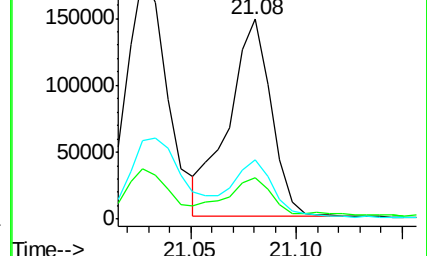
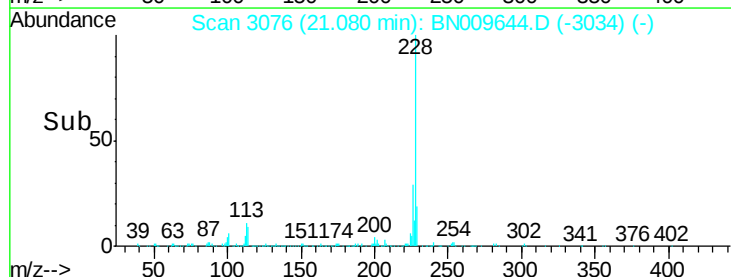


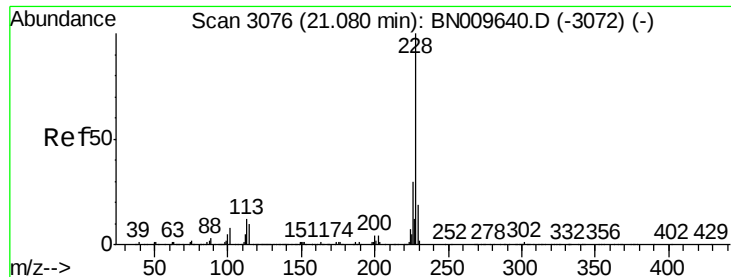
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->

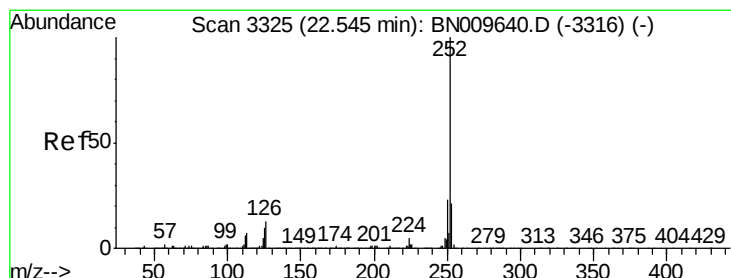
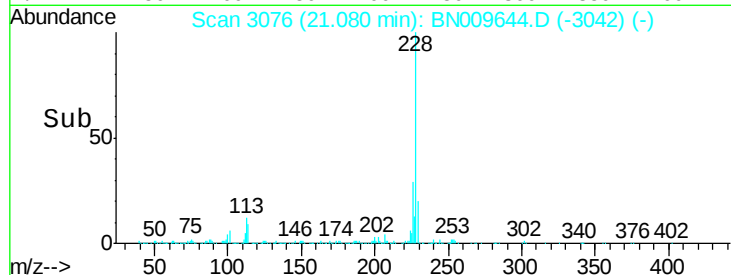
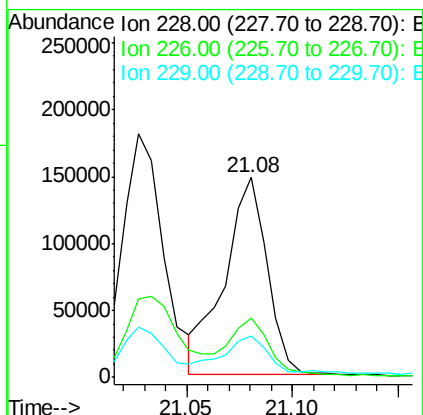
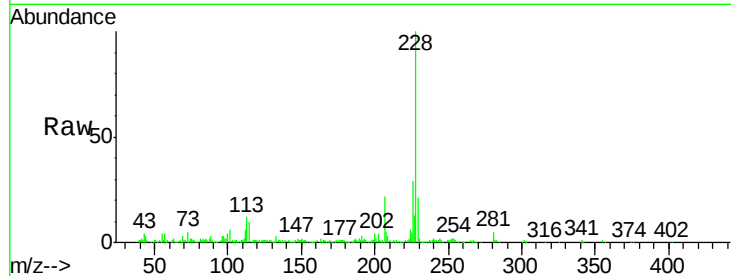




#84
Chrysene
Concen: 3.81 ng/ul
RT: 21.08 min Scan# 3076
Delta R.T. 0.00 min
Lab File: BN009644.D
Acq: 07 Feb 2020 12:36

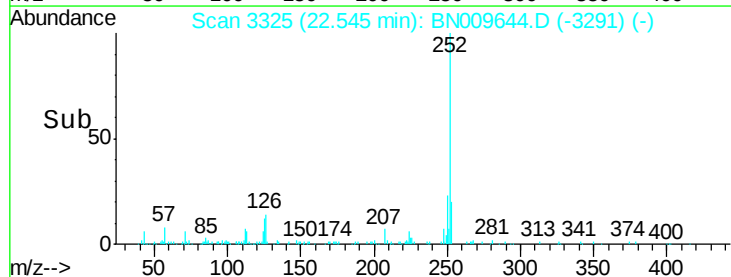
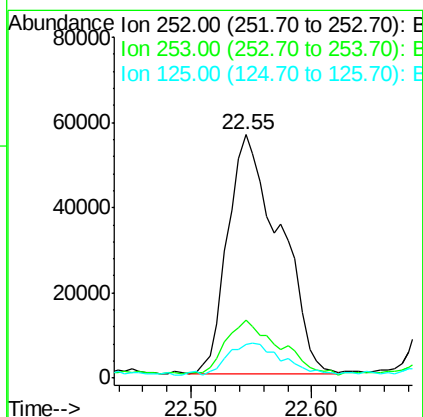
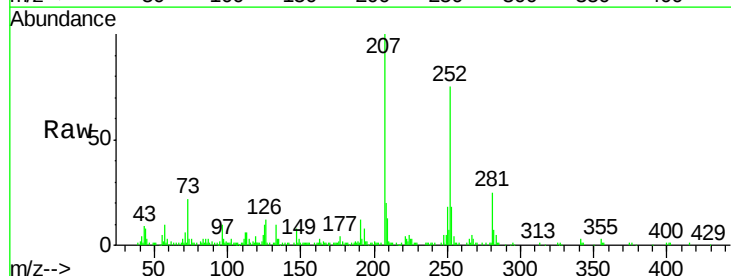
Instrument :
BNA_N
ClientSampled :
GAT65DL

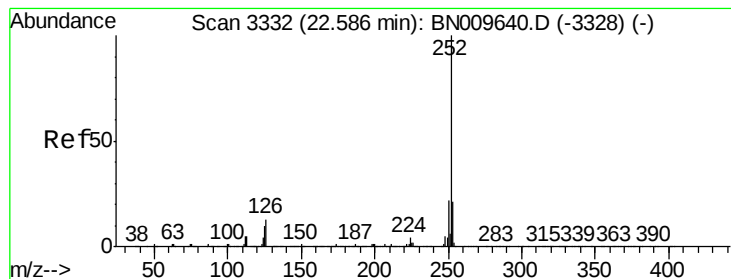
Tgt Ion: 228 Resp: 203771
Ion Ratio Lower Upper
228 100
226 29.4 23.5 35.3
229 20.9 15.8 23.8



#87
Benzo(b)fluoranthene
Concen: 3.08 ng/ul
RT: 22.55 min Scan# 3325
Delta R.T. 0.00 min
Lab File: BN009644.D
Acq: 07 Feb 2020 12:36

Tgt Ion: 252 Resp: 168079
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 14.0 8.2 12.2#





#88

Benzo(k)fluoranthene

Concen: 3.12 ng/ul

RT: 22.55 min Scan# 3325

Delta R.T. -0.04 min

Lab File: BN009644.D

Acq: 07 Feb 2020 12:36

Instrument :

BNA_N

ClientSampleId :

GAT65DL

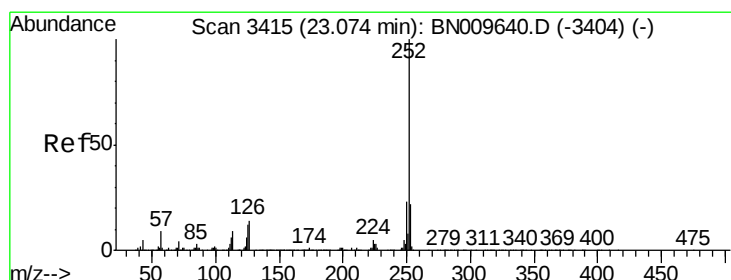
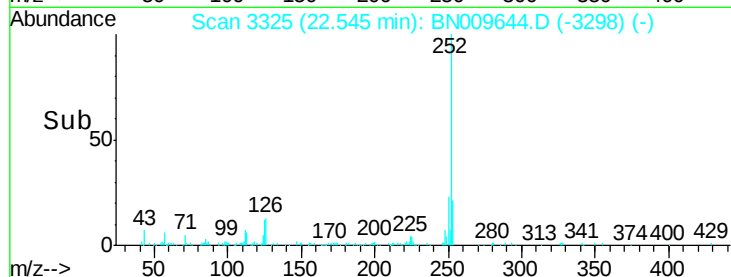
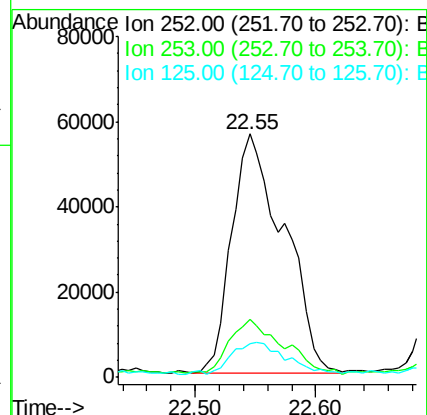
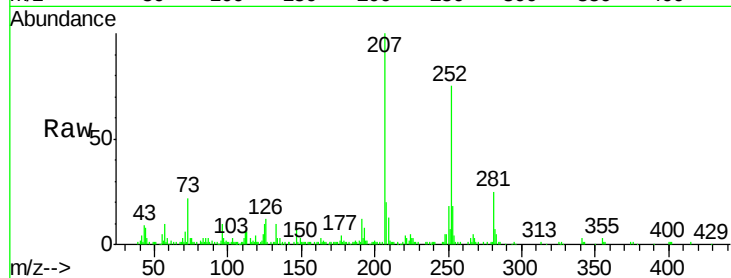
Tgt Ion:252 Resp: 168079

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.4

125 14.0 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 2.83 ng/ul

RT: 23.07 min Scan# 3414

Delta R.T. -0.01 min

Lab File: BN009644.D

Acq: 07 Feb 2020 12:36

Tgt Ion:252 Resp: 143298

Ion Ratio Lower Upper

252 100

253 22.2 15.8 23.8

125 13.4 8.7 13.1#

