

Data File : BN009702.D
Acq On : 11 Feb 2020 11:51
Operator : CG/JU
Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAT61MEDL

Quant Time: Feb 12 00:54:49 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 00:52:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	128506	20.00	ng/ul	0.00
18) Naphthalene-d8	10.17	136	529160	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.06	164	344743	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.82	188	737527	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	701747	20.00	ng/ul	0.00
85) Perylene-d12	23.15	264	707174	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.08	96	661	0.21	ng/uL	0.00
5) Phenol-d5	6.63	99	12352	1.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	11671	1.55	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	10879	1.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	9798	1.10	ng/ul	0.00
19) Nitrobenzene-d5	8.57	128	6061	1.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.28	143	5646	1.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.83	165	10542	1.28	ng/ul	0.02
29) 4-Chloroaniline-d4	10.34	131	6053	0.68	ng/ul	0.01
43) Dimethylphthalate-d6	13.49	166	51357	2.04	ng/ul	0.00
46) Acenaphthylene-d8	13.75	160	49752	1.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	1265	0.27	ng/ul	0.03
57) Fluorene-d10	15.06	176	45910	2.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	2984	0.65	ng/ul	0.01
70) Anthracene-d10	16.92	188	66885	2.00	ng/ul	0.00
78) Pyrene-d10	19.23	212	69332	1.88	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	65067	1.87	ng/ul	0.00

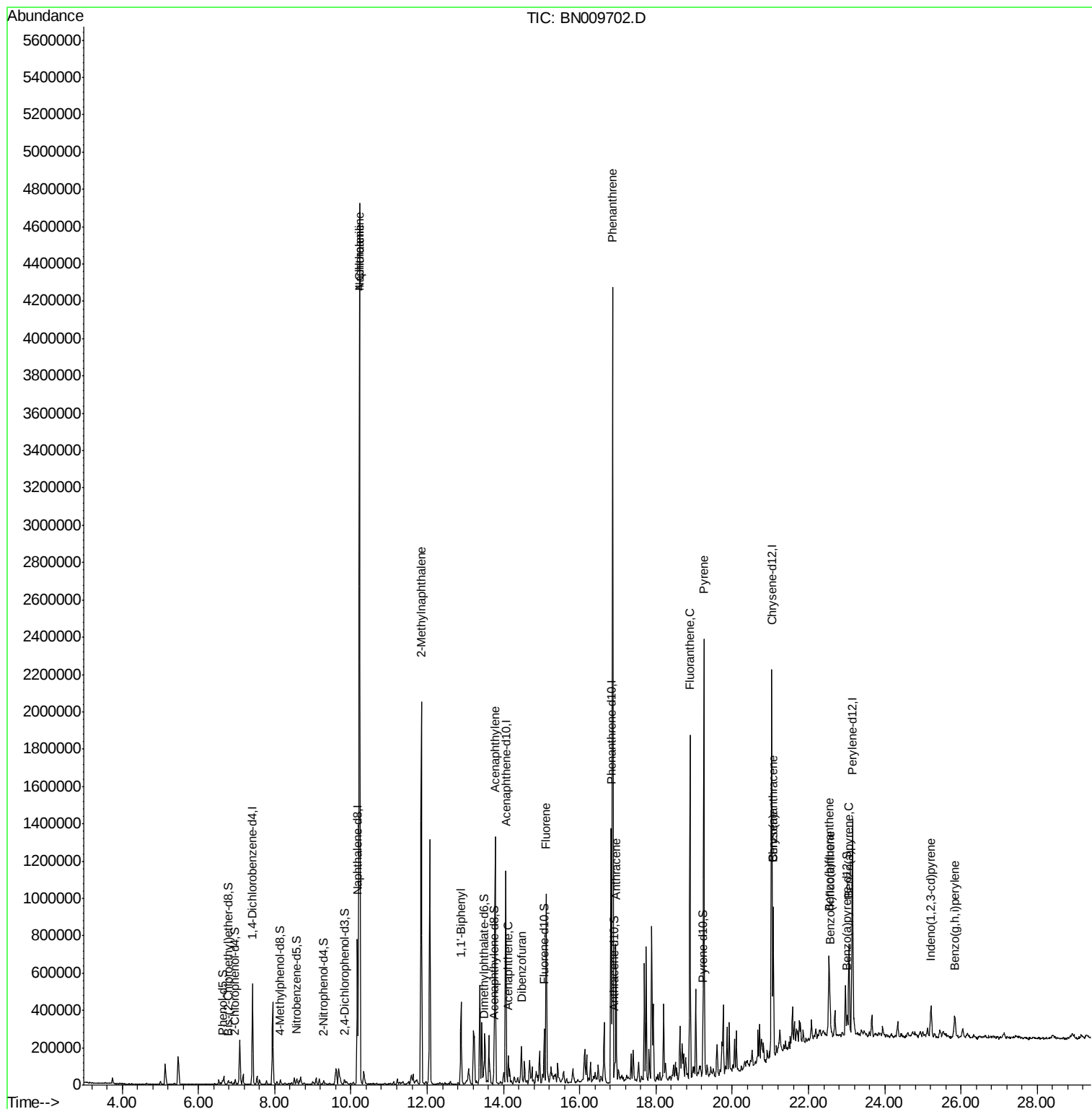
Target Compounds				Qvalue		
28) Naphthalene	10.22	128	3266655	113.837	ng/ul	99
30) 4-Chloroaniline	10.22	127	424839	46.508	ng/ul#	1
34) 2-Methylnaphthalene	11.85	142	910789	45.354	ng/ul	99
40) 1,1'-Biphenyl	12.89	154	210215	7.832	ng/ul	98
47) Acenaphthylene	13.78	152	823312	24.741	ng/ul	99
49) Acenaphthene	14.13	153	54705	2.418	ng/ul	97
53) Dibenzofuran	14.47	168	72000	2.286	ng/ul	98
58) Fluorene	15.12	166	428421	16.273	ng/ul	100
69) Phenanthrene	16.86	178	2323513	55.242	ng/ul	99
71) Anthracene	16.95	178	425364	9.967	ng/ul	98
76) Fluoranthene	18.89	202	967009	20.144	ng/ul	99
79) Pyrene	19.26	202	1304871	25.472	ng/ul	100
82) Benzo(a)anthracene	21.07	228	408161	8.424	ng/ul	95
84) Chrysene	21.07	228	408304	8.465	ng/ul	100
87) Benzo(b)fluoranthene	22.53	252	295582	6.681	ng/ul	98
88) Benzo(k)fluoranthene	22.57	252	107320	2.463	ng/ul	98
90) Benzo(a)pyrene	23.06	252	281292	6.862	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	25.21	276	131562	2.699	ng/ul	94
93) Benzo(g,h,i)perylene	25.83	276	119234	2.919	ng/ul	97

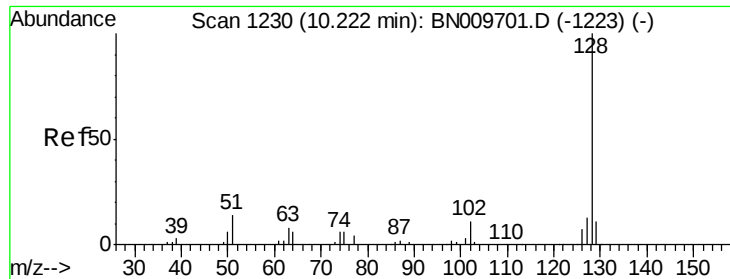
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 113.837 ng/ul

RT: 10.22 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BN009702.D

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BNA_N

ClientSampleId :

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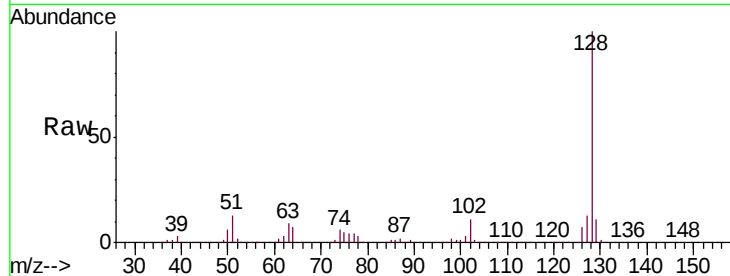
Tgt Ion:128 Resp: 3266655

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

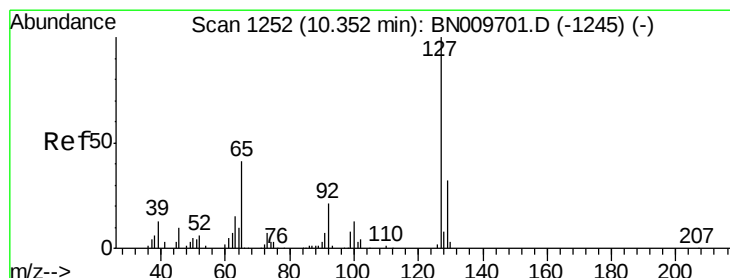
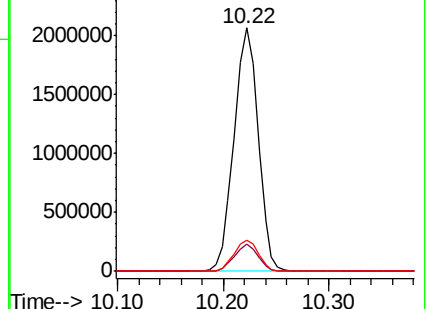
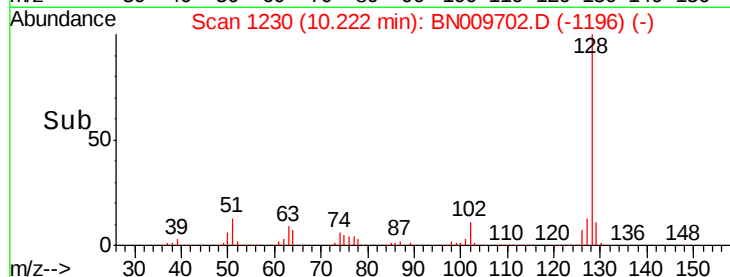
127 12.9 10.7 16.1



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: 46.508 ng/ul

RT: 10.22 min Scan# 1230

Delta R.T. -0.13 min

Lab File: BN009702.D

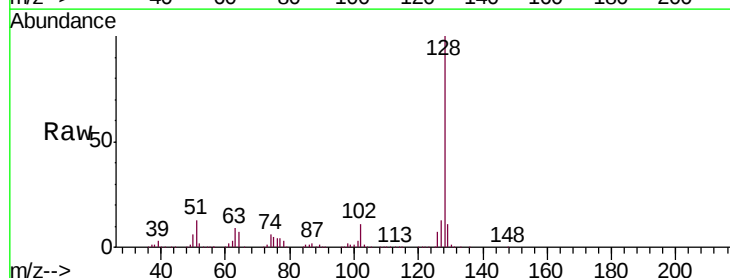
Acq: 11 Feb 2020 11:51

Tgt Ion:127 Resp: 424839

Ion Ratio Lower Upper

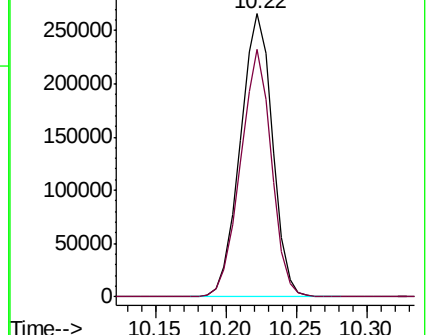
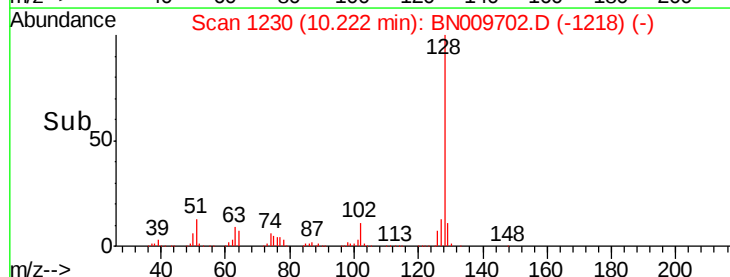
127 100

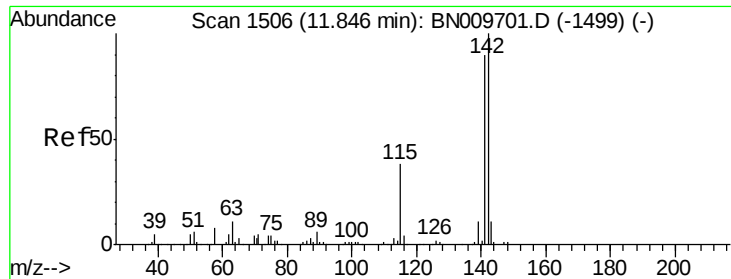
129 87.5 25.2 37.8#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

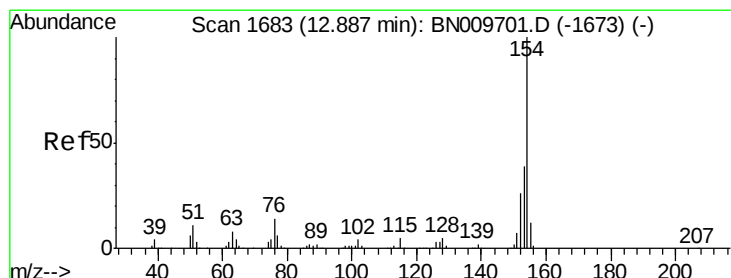
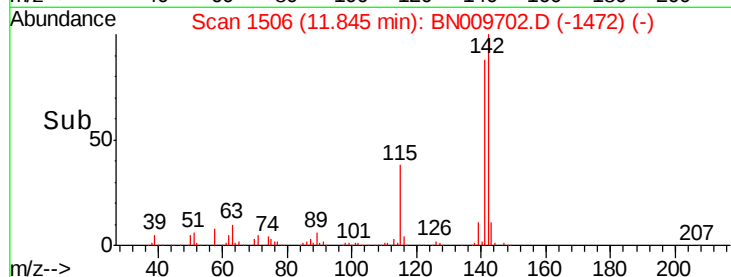
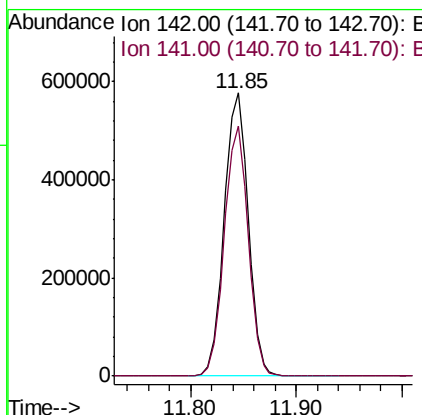
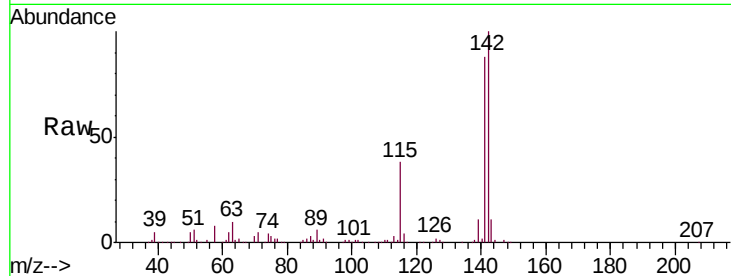




#34
 2-Methylnaphthalene
 Concen: 45.354 ng/ul
 RT: 11.85 min Scan# 1506
 Delta R.T. -0.00 min
 Lab File: BN009702.D
 Acq: 11 Feb 2020 11:51

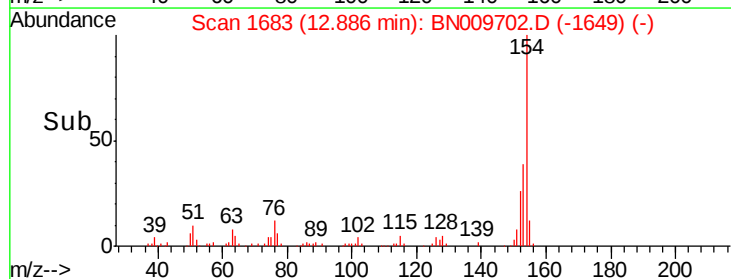
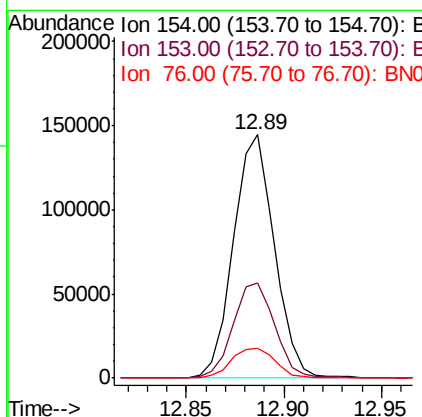
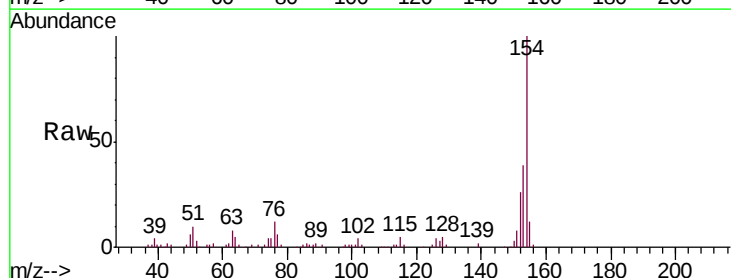
Instrument :
 BNA_N
 ClientSampleId :
 GAT61MEDL

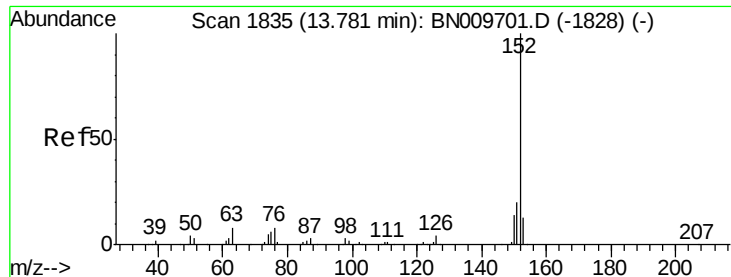
Tgt Ion:142 Resp: 910789
 Ion Ratio Lower Upper
 142 100
 141 88.4 71.5 107.3



#40
 1,1'-Biphenyl
 Concen: 7.832 ng/ul
 RT: 12.89 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: BN009702.D
 Acq: 11 Feb 2020 11:51

Tgt Ion:154 Resp: 210215
 Ion Ratio Lower Upper
 154 100
 153 38.8 31.2 46.8
 76 12.2 11.4 17.2





#47

Acenaphthylene

Concen: 24.741 ng/ul

RT: 13.78 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

Instrument :

BNA_N

ClientSampleId :

GAT61MEDL

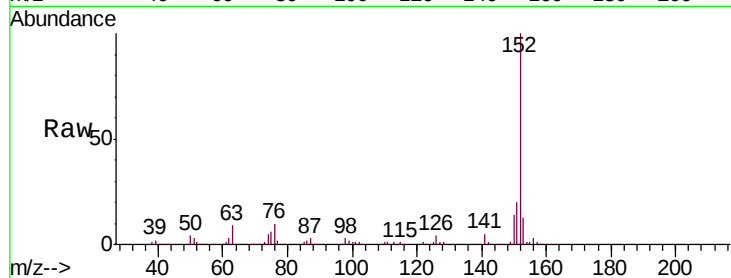
Tgt Ion:152 Resp: 823312

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.2

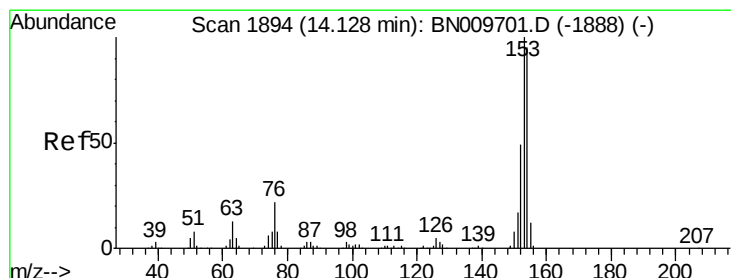
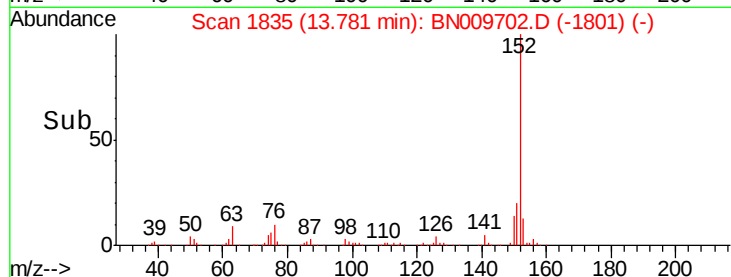
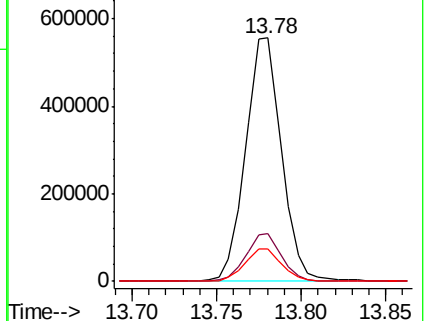
153 13.1 10.6 15.8



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: 2.418 ng/ul

RT: 14.13 min Scan# 1894

Delta R.T. -0.00 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

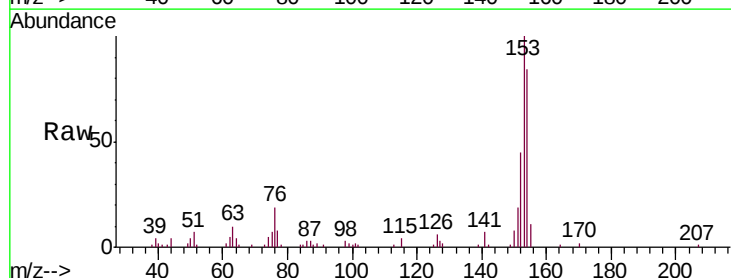
Tgt Ion:153 Resp: 54705

Ion Ratio Lower Upper

153 100

152 45.2 37.3 55.9

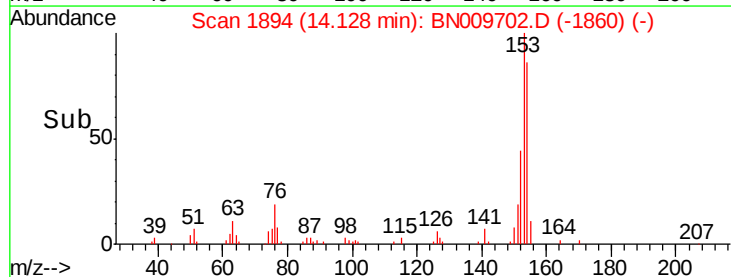
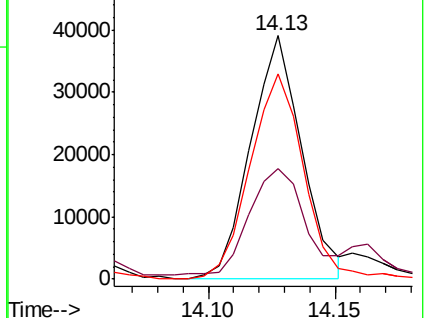
154 84.4 70.2 105.2

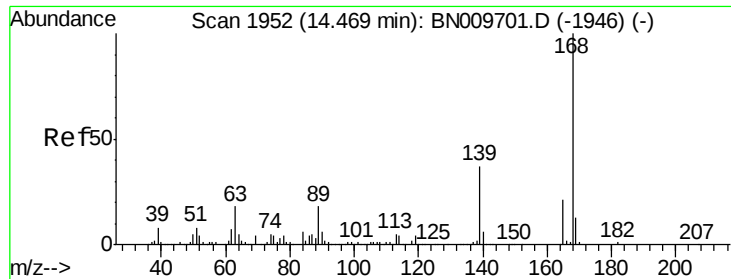


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzo(f,h)quinoxaline

Concen: 2.286 ng/ul

RT: 14.47 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

Instrument :

BNA_N

ClientSampleId :

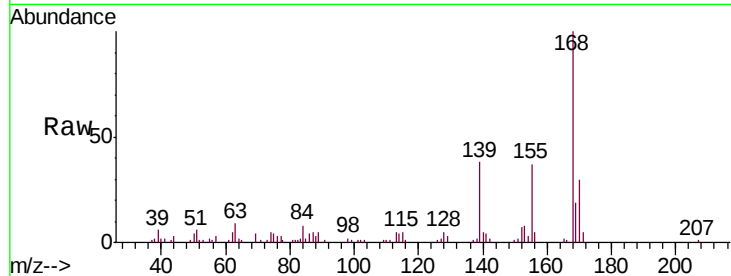
GAT61MEDL

Tgt Ion:168 Resp: 72000

Ion Ratio Lower Upper

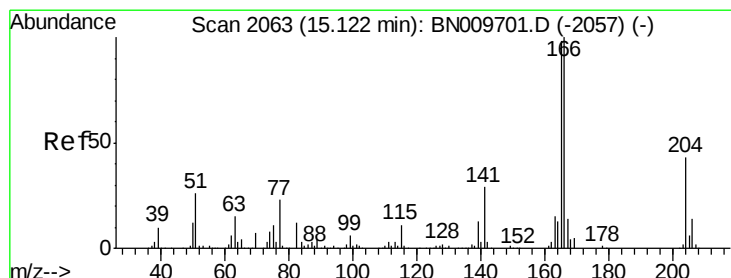
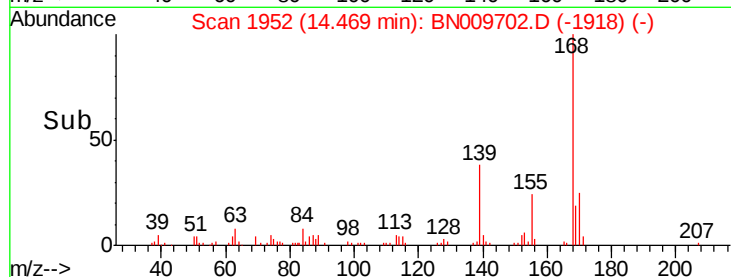
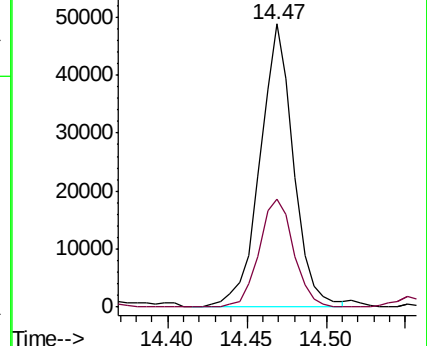
168 100

139 38.2 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: 16.273 ng/ul

RT: 15.12 min Scan# 2063

Delta R.T. -0.00 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

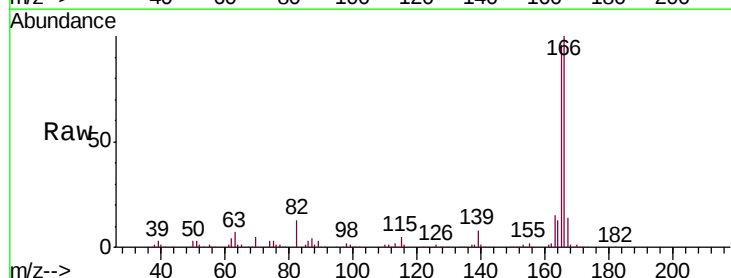
Tgt Ion:166 Resp: 428421

Ion Ratio Lower Upper

166 100

165 95.7 76.7 115.1

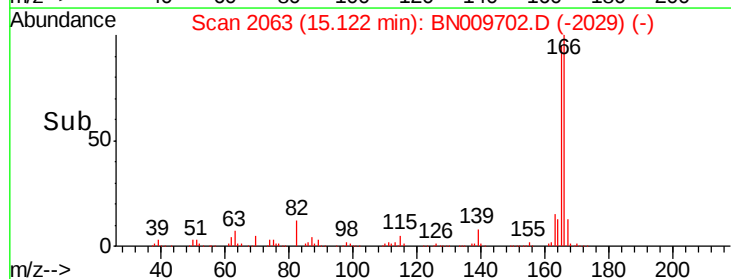
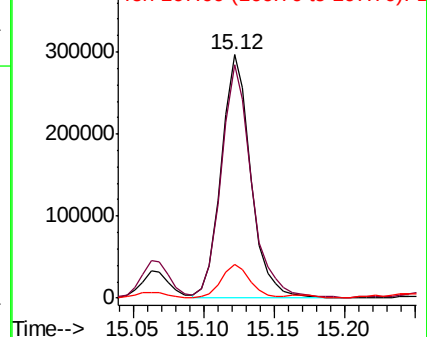
167 13.7 11.1 16.7

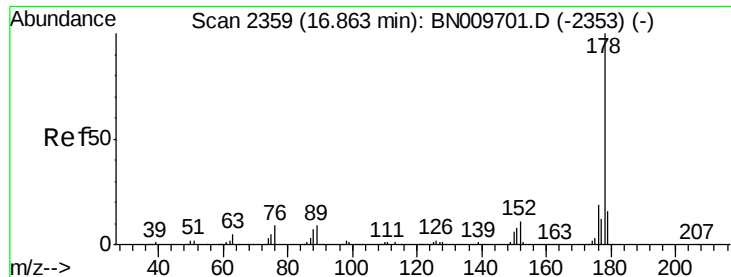


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 55.242 ng/ul

RT: 16.86 min Scan# 2359

Delta R.T. -0.00 min

Lab File: BN009702.D

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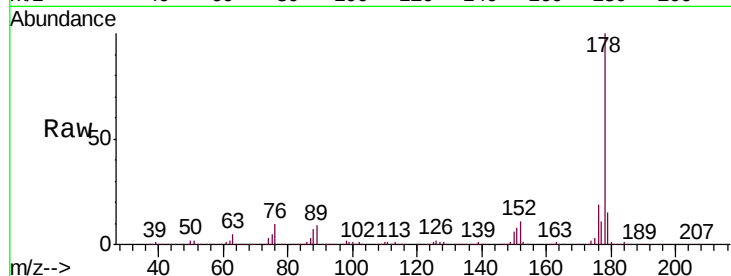
Tgt Ion:178 Resp: 2323513

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

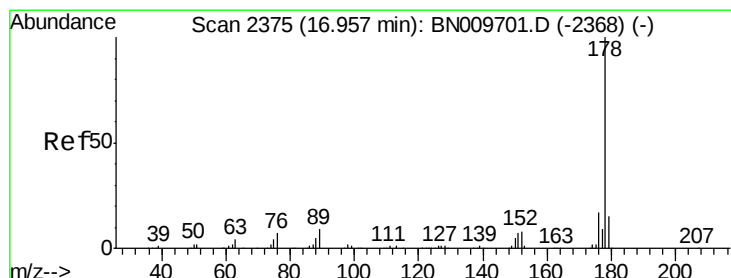
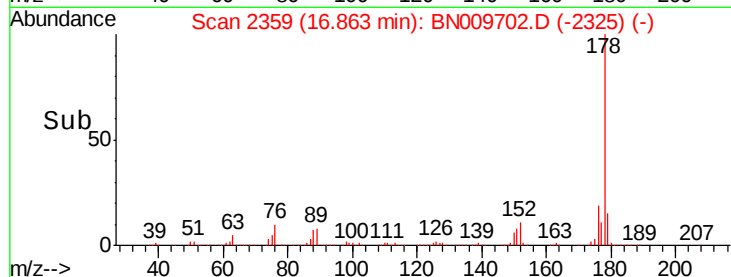
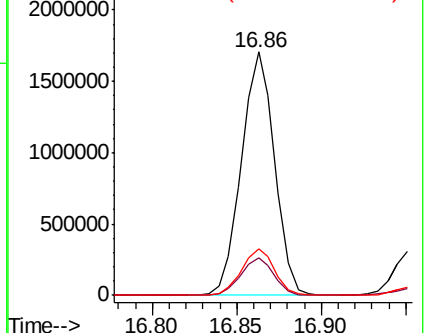
176 19.2 14.8 22.2



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: 9.967 ng/ul

RT: 16.95 min Scan# 2374

Delta R.T. -0.01 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

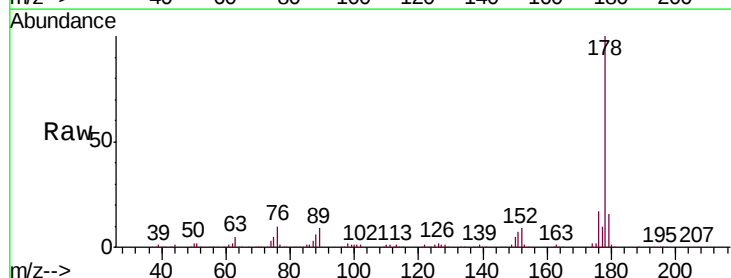
Tgt Ion:178 Resp: 425364

Ion Ratio Lower Upper

178 100

179 15.8 12.1 18.1

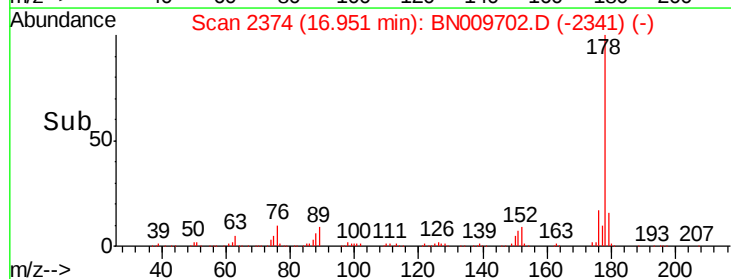
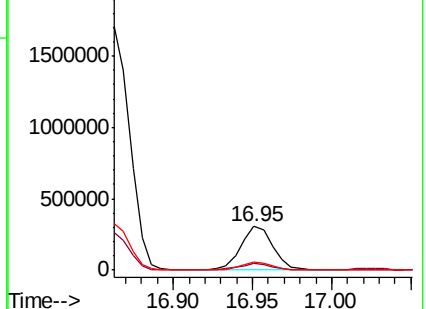
176 17.4 14.6 21.8

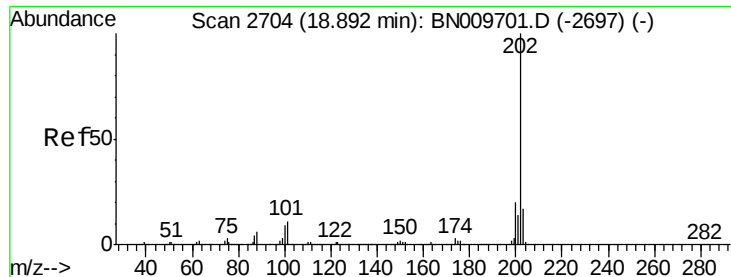


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 20.144 ng/ul

RT: 18.89 min Scan# 2704

Delta R.T. -0.00 min

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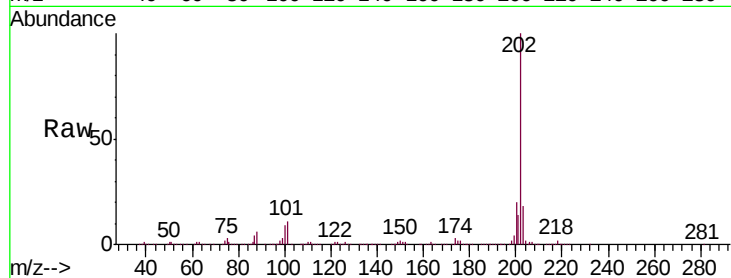
Tgt Ion:202 Resp: 967009

Ion Ratio Lower Upper

202 100

101 11.2 9.2 13.8

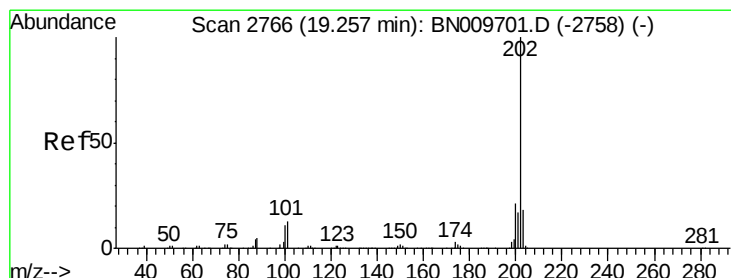
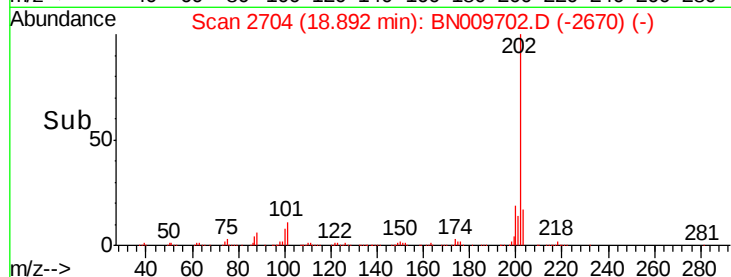
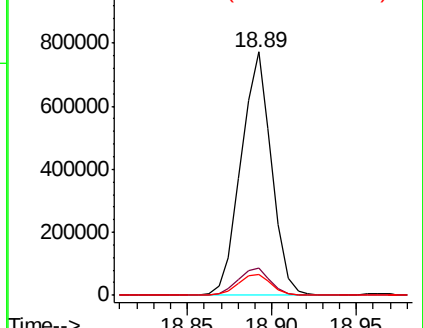
100 8.7 6.9 10.3



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: 25.472 ng/ul

RT: 19.26 min Scan# 2766

Delta R.T. -0.00 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

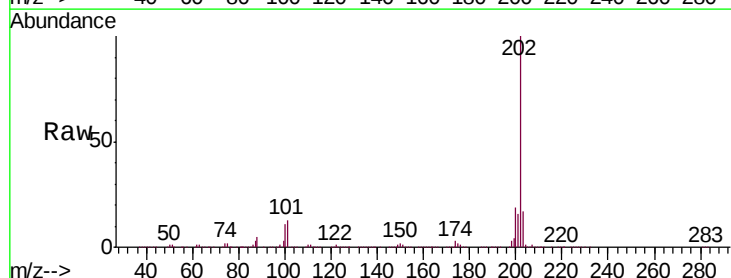
Tgt Ion:202 Resp: 1304871

Ion Ratio Lower Upper

202 100

101 12.7 10.3 15.5

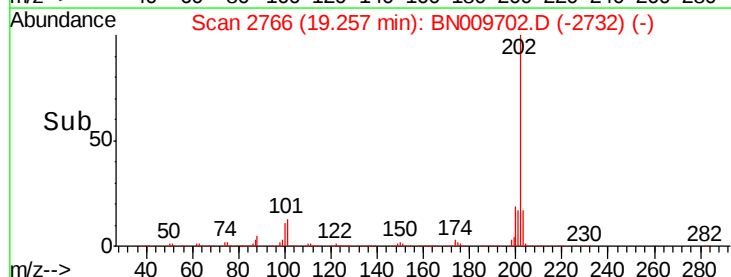
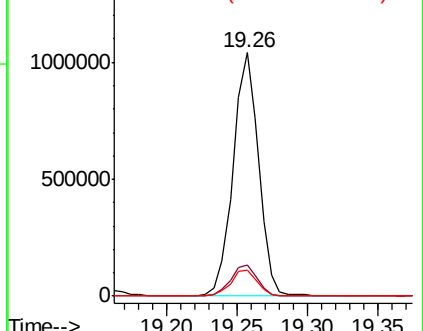
100 10.6 8.4 12.6

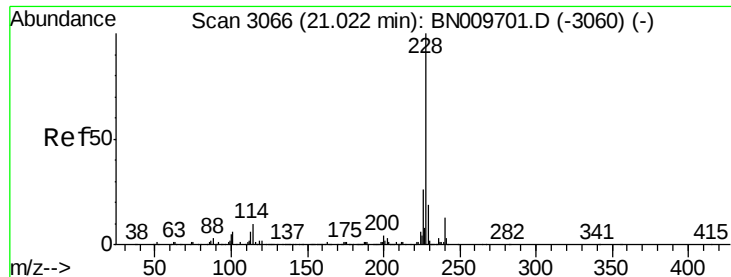


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 8.424 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. 0.05 min

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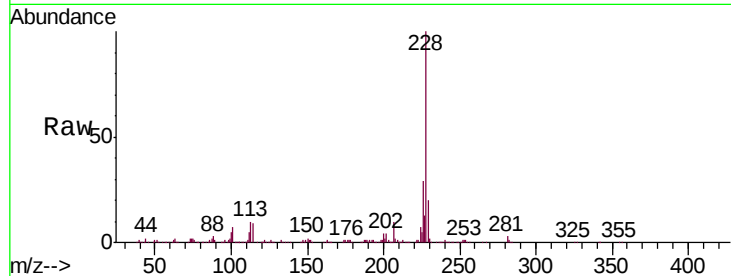
Tgt Ion:228 Resp: 408161

Ion Ratio Lower Upper

228 100

229 19.6 15.0 22.4

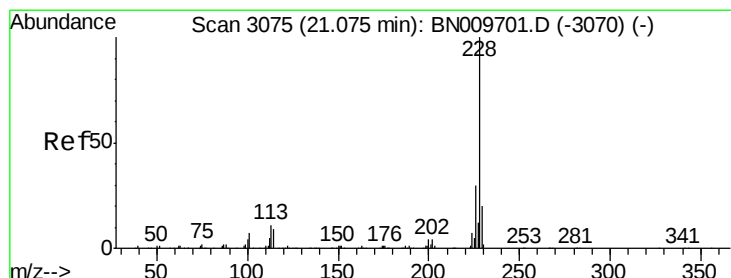
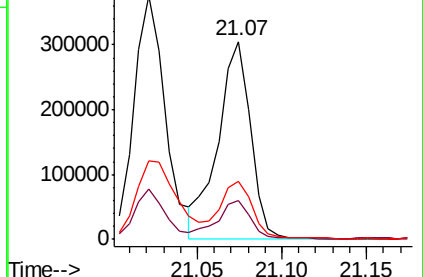
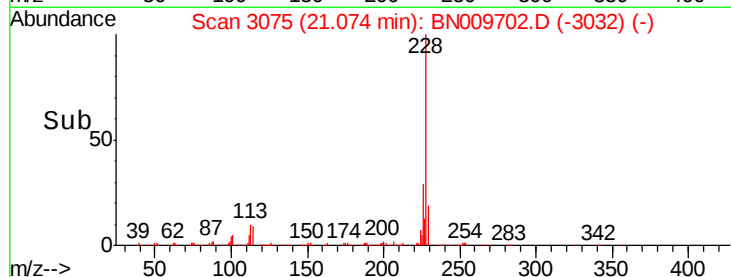
226 29.5 20.9 31.3



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: 8.465 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. -0.00 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

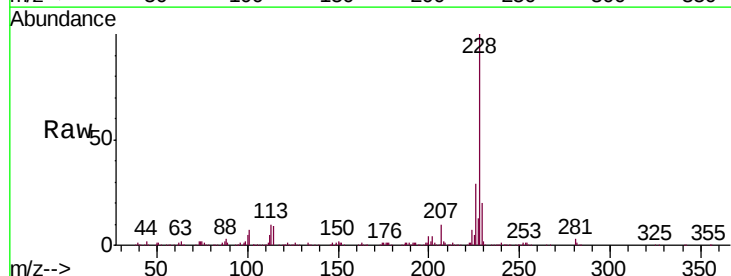
Tgt Ion:228 Resp: 408304

Ion Ratio Lower Upper

228 100

226 29.5 23.5 35.3

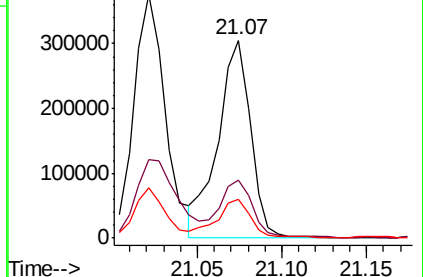
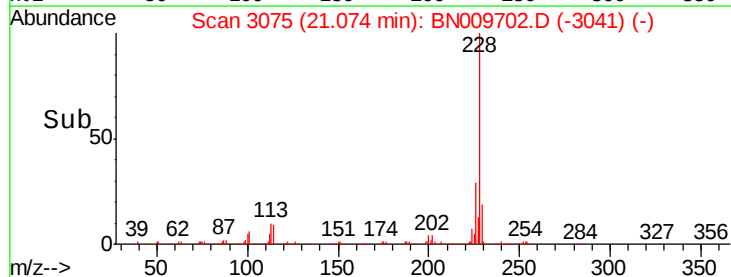
229 19.6 15.8 23.8

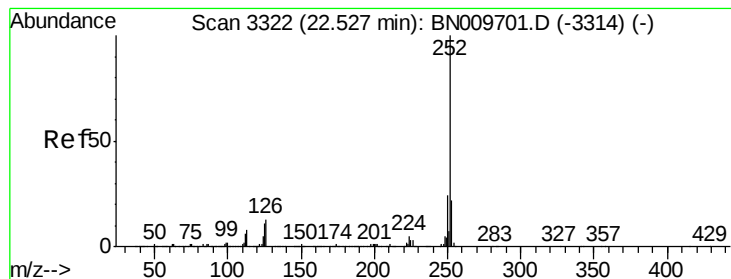


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 6.681 ng/ul

RT: 22.53 min Scan# 3323

Delta R.T. 0.01 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

Instrument :

BNA_N

ClientSampleId :

GAT61MEDL

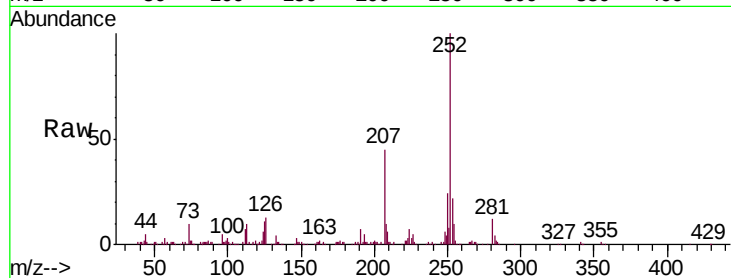
Tgt Ion:252 Resp: 295582

Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.6

125 11.5 8.2 12.2

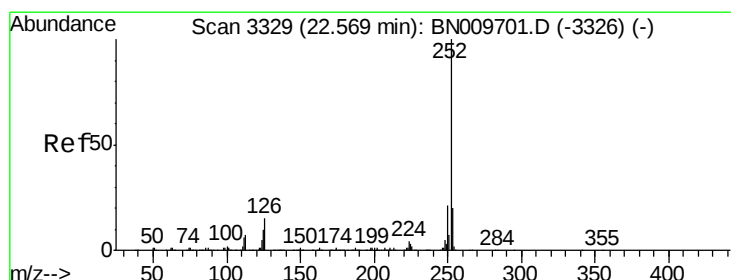
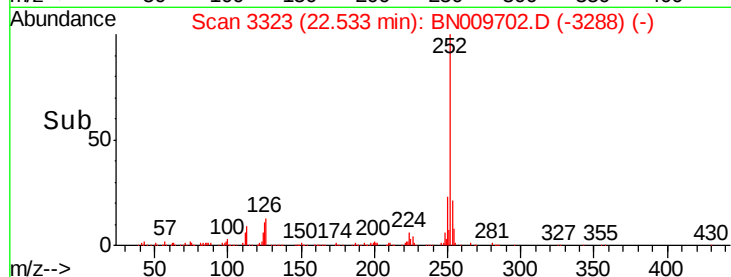
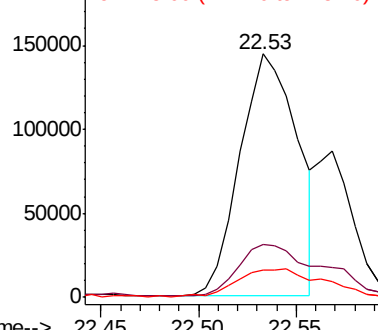


Abundance

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: 2.463 ng/ul

RT: 22.57 min Scan# 3329

Delta R.T. -0.00 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

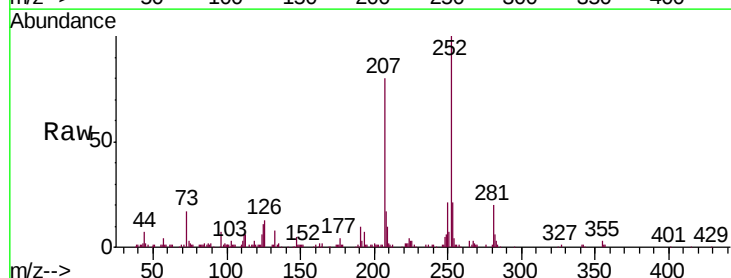
Tgt Ion:252 Resp: 107320

Ion Ratio Lower Upper

252 100

253 20.5 17.0 25.4

125 11.2 8.0 12.0

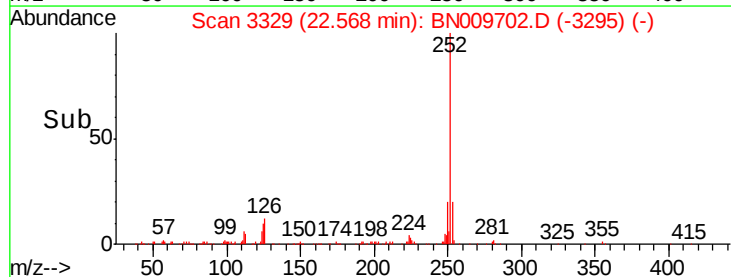
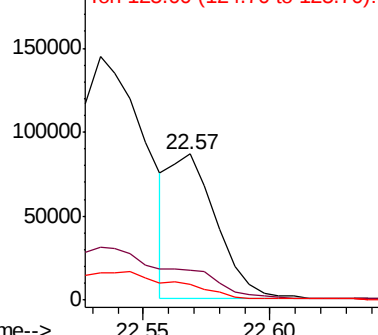


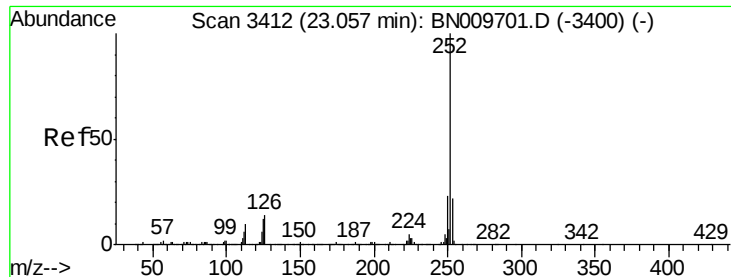
Abundance

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: 6.862 ng/u1

RT: 23.06 min Scan# 3412

Delta R.T. -0.00 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

Instrument :

BNA_N

ClientSampleId :

GAT61MEDL

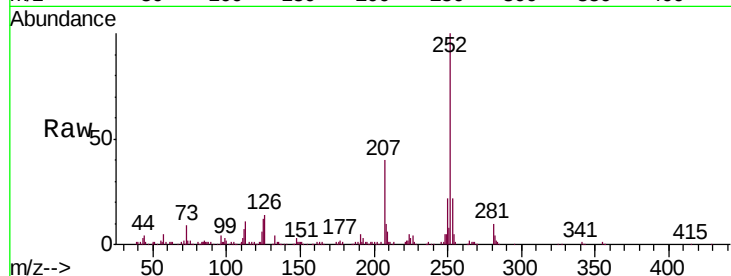
Tgt Ion:252 Resp: 281292

Ion Ratio Lower Upper

252 100

253 22.2 15.8 23.8

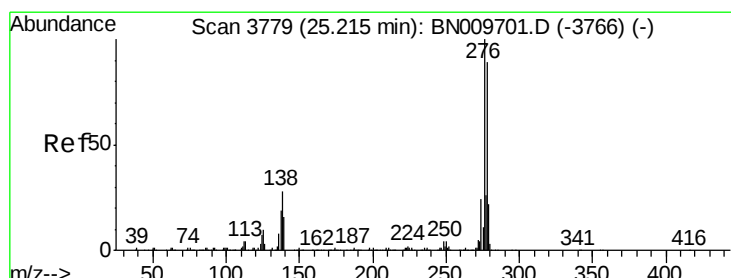
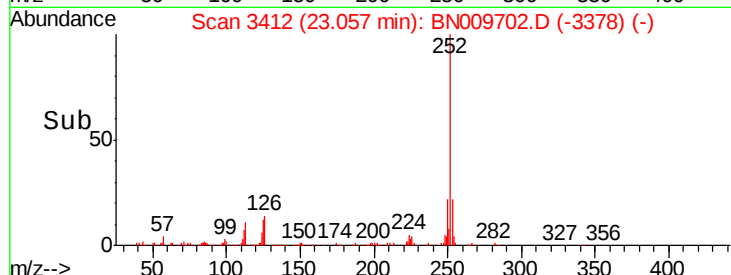
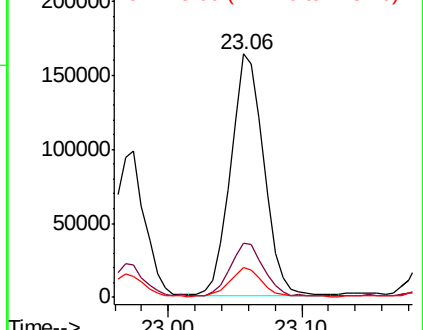
125 12.1 8.7 13.1



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: 2.699 ng/u1

RT: 25.21 min Scan# 3778

Delta R.T. -0.01 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

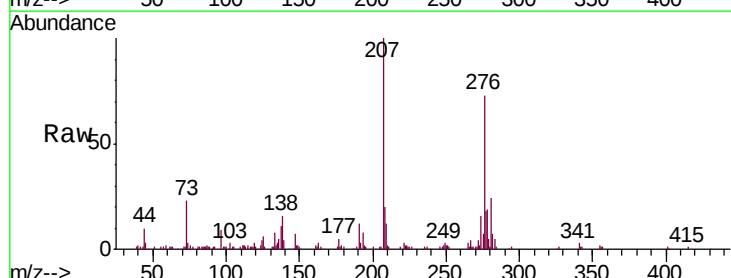
Tgt Ion:276 Resp: 131562

Ion Ratio Lower Upper

276 100

138 21.5 20.3 30.5

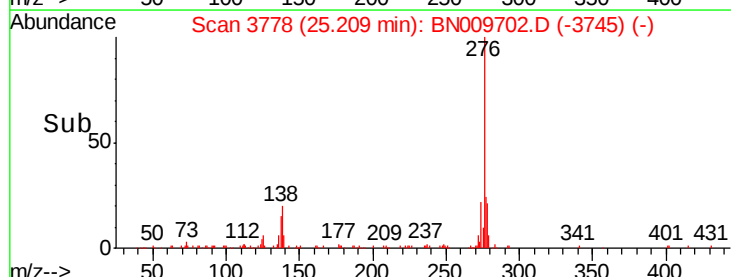
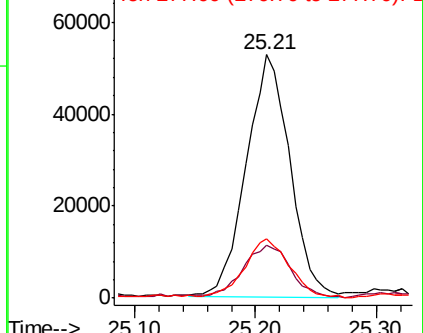
277 24.5 21.2 31.8

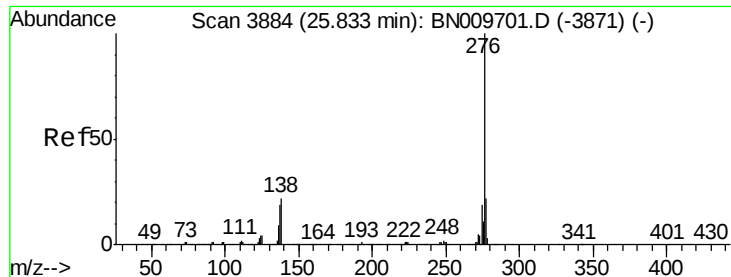


Abundance Ion 276.00 (275.70 to 276.70): E

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: 2.919 ng/ul

RT: 25.83 min Scan# 3884

Delta R.T. -0.00 min

Lab File: BN009702.D

Acq: 11 Feb 2020 11:51

Instrument :

BNA_N

ClientSampleId :

GAT61MEDL

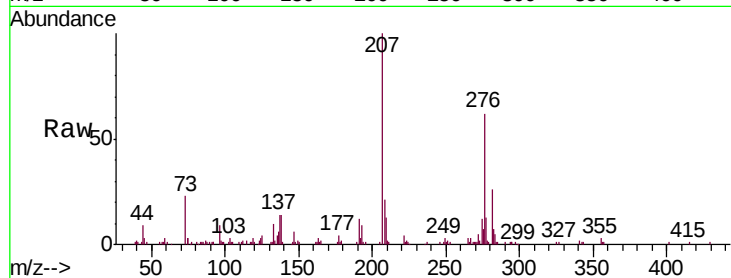
Tgt Ion: 276 Resp: 119234

Ion Ratio Lower Upper

276 100

138 22.0 16.0 24.0

277 20.7 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

