

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009614.D
 Acq On : 06 Feb 2020 17:59
 Operator : CG/JU
 Sample : L1323-03DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT43DL

Quant Time: Feb 06 21:09:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 03 16:39:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	158759	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.19	136	668637	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	412673	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.83	188	855557	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	794443	20.00	ng/ul	0.00
85) Perylene-d12	23.15	264	886703	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	580	0.15	ng/uL	0.01
5) Phenol-d5	6.65	99	13738	0.99	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	9721	1.05	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	11113	1.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	10033	0.91	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	4681	0.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	4986	0.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.84	165	9819	0.94	ng/ul	0.01
29) 4-Chloroaniline-d4	10.36	131	2130	0.19	ng/ul	0.02
43) Dimethylphthalate-d6	13.50	166	39161	1.30	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	43128	1.18	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.29	143	1509	0.27	ng/ul	-0.02
57) Fluorene-d10	15.07	176	37038	1.40	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	2846	0.53	ng/ul	0.01
70) Anthracene-d10	16.93	188	53949	1.39	ng/ul	0.00
78) Pyrene-d10	19.23	212	58300	1.40	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	60048	1.38	ng/ul	0.00

Target Compounds

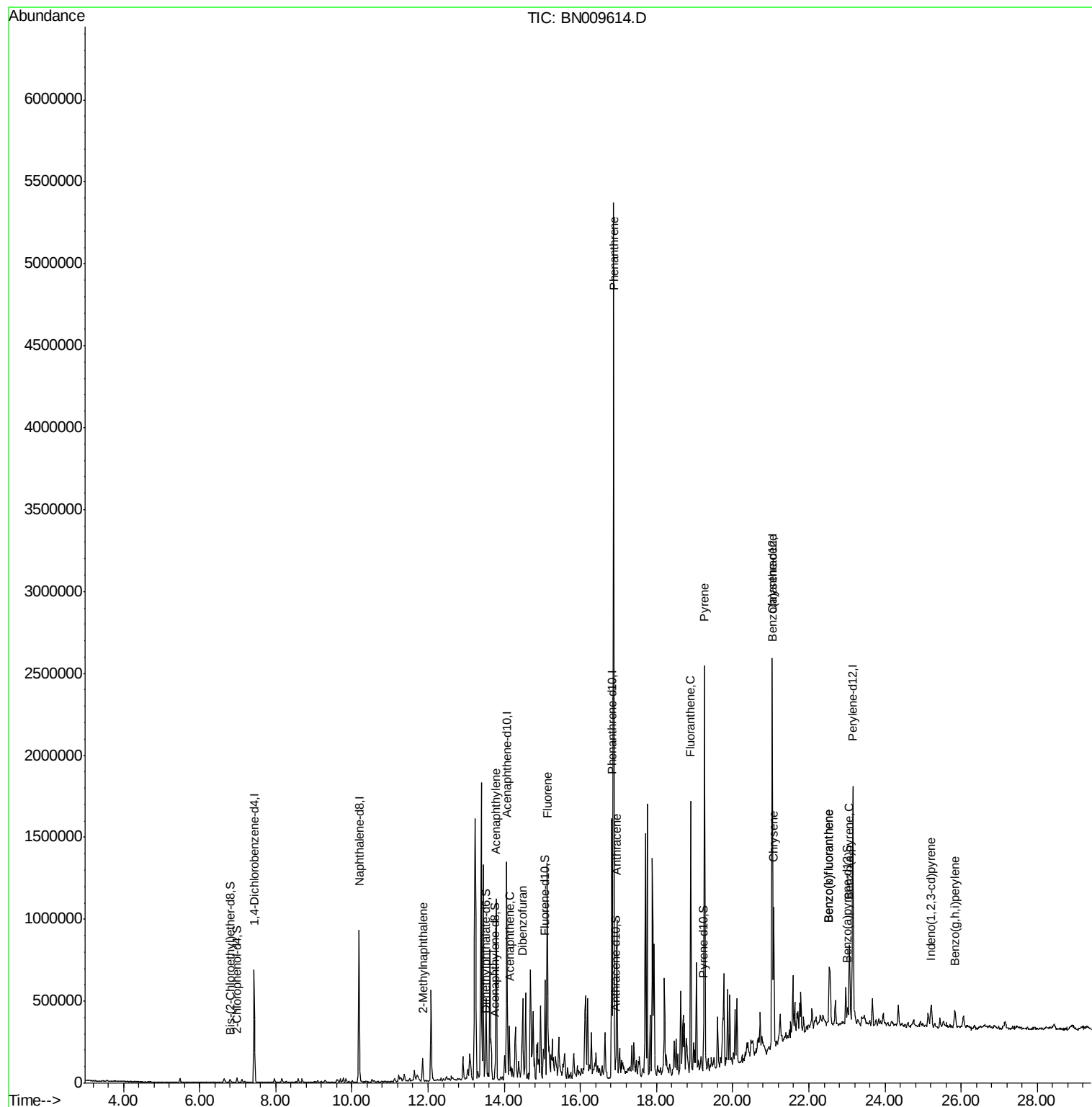
					Ovalue
34) 2-Methylnaphthalene	11.86	142	62922	2.480	ng/ul 98
47) Acenaphthylene	13.79	152	594556	14.926	ng/ul 98
49) Acenaphthene	14.14	153	100669	3.717	ng/ul 97
53) Dibenzofuran	14.47	168	74332	1.971	ng/ul# 82
58) Fluorene	15.13	166	594548	18.866	ng/ul 99
69) Phenanthrene	16.87	178	3104604	63.630	ng/ul 100
71) Anthracene	16.96	178	550954	11.129	ng/ul 99
76) Fluoranthene	18.90	202	828048	14.870	ng/ul 99
79) Pvrene	19.26	202	1400335	24.146	ng/ul 96
82) Benzo(a)anthracene	21.03	228	477727	8.709	ng/ul# 76
84) Chrysene	21.07	228	422417	7.736	ng/ul 94
87) Benzo(b)fluoranthene	22.53	252	283412	5.109	ng/ul 95
88) Benzo(k)fluoranthene	22.53	252	283412	5.187	ng/ul 95
90) Benzo(a)pyrene	23.06	252	286173	5.568	ng/ul 95
91) Indeno(1,2,3-cd)pyrene	25.21	276	107510	1.759	ng/ul 94
93) Benzo(g,h,i)perylene	25.83	276	99330	1.939	ng/ul 99

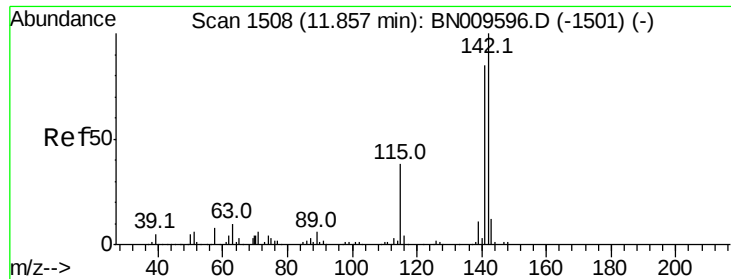
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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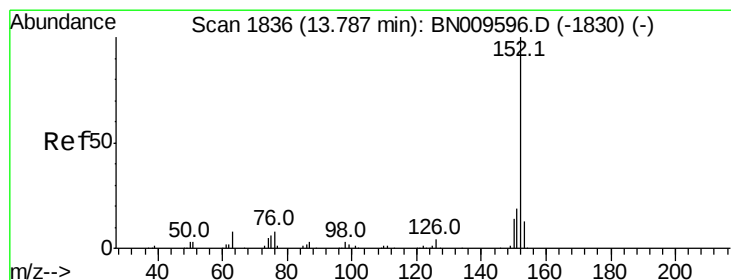
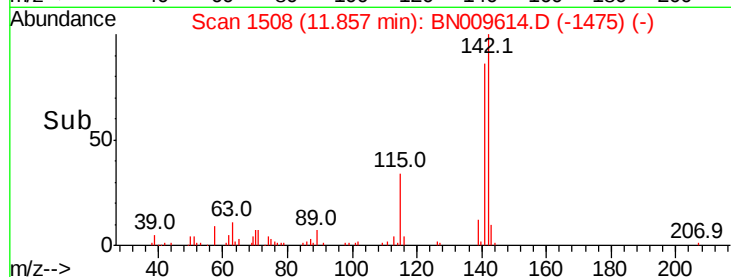
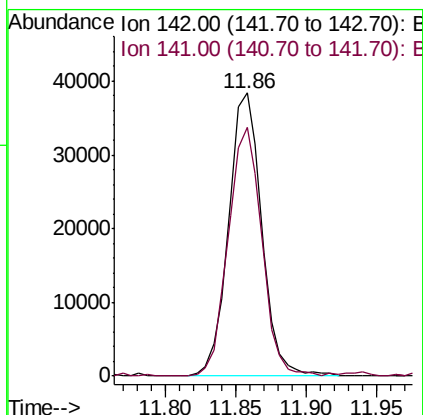
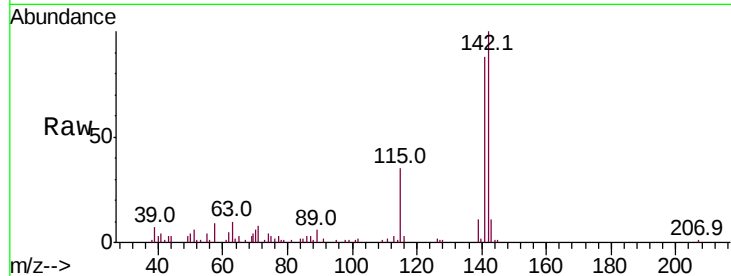




#34
 2-Methylnaphthalene
 Concen: 2.480 ng/ul
 RT: 11.86 min Scan# 1508
 Delta R.T. -0.01 min
 Lab File: BN009614.D
 Acq: 06 Feb 2020 17:59

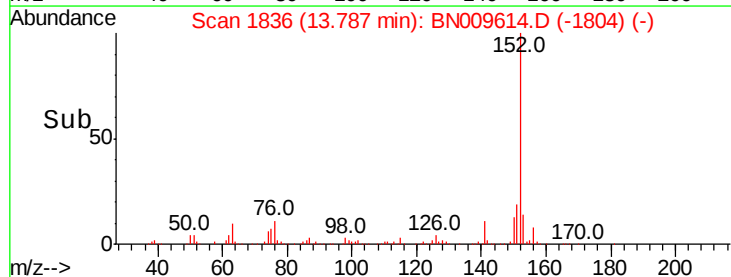
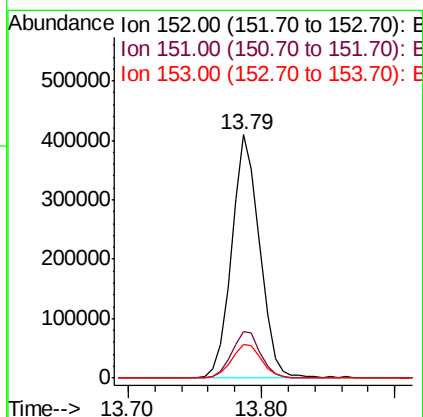
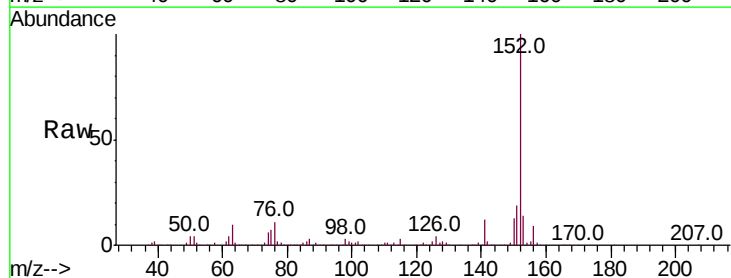
Instrument :
 BNA_N
 ClientSampleId :
 GAT43DL

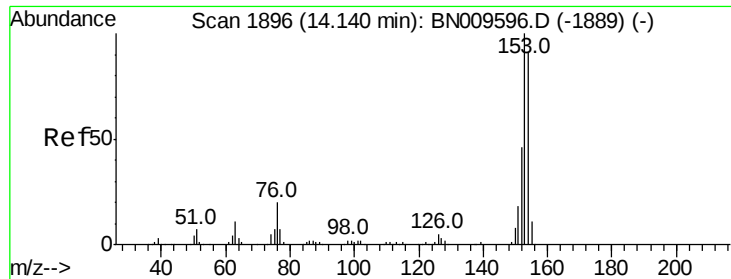
Tot Ion:142 Resp: 62922
 Ion Ratio Lower Upper
 142 100
 141 88.0 71.5 107.3



#47
 Acenaphthylene
 Concen: 14.926 ng/ul
 RT: 13.79 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: BN009614.D
 Acq: 06 Feb 2020 17:59

Tgt Ion:152 Resp: 594556
 Ion Ratio Lower Upper
 152 100
 151 19.2 16.2 24.2
 153 13.9 10.6 15.8





#49

Acenaphthene

Concen: 3.717 ng/ul

RT: 14.14 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN009614.D

Acq: 06 Feb 2020 17:59

Instrument :

BNA_N

ClientSampleId :

GAT43DL

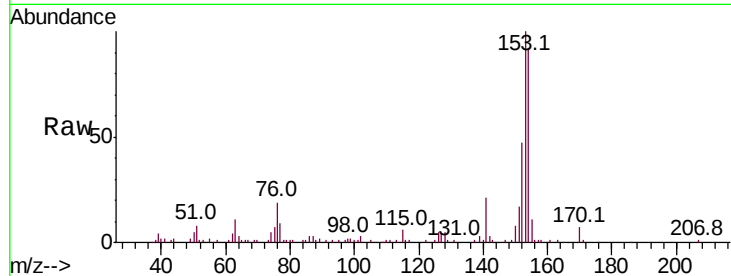
Tot Ion:153 Resp: 100669

Ion Ratio Lower Upper

153 100

152 46.7 37.3 55.9

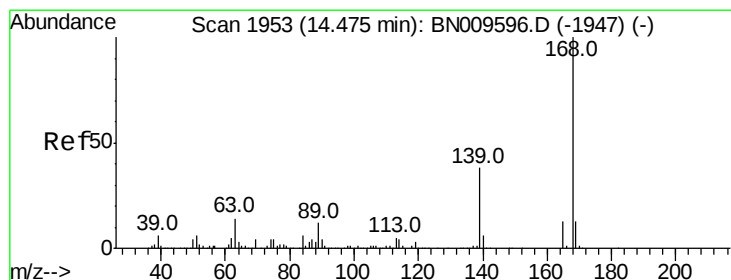
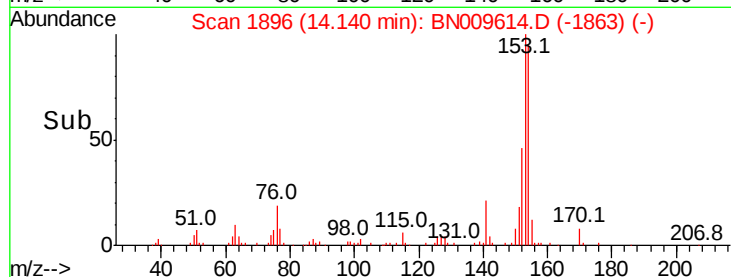
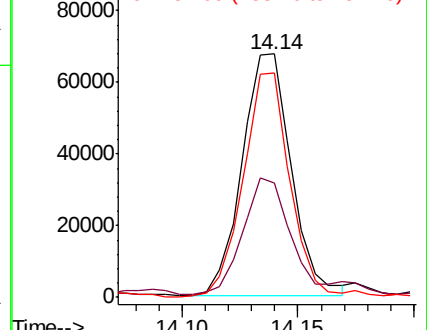
154 92.0 70.2 105.2



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

Dibenzofuran

Concen: 1.971 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN009614.D

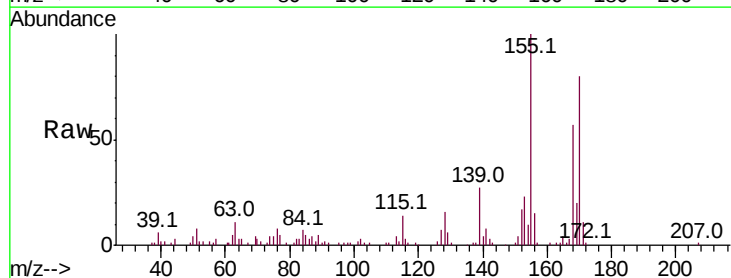
Acq: 06 Feb 2020 17:59

Tgt Ion:168 Resp: 74332

Ion Ratio Lower Upper

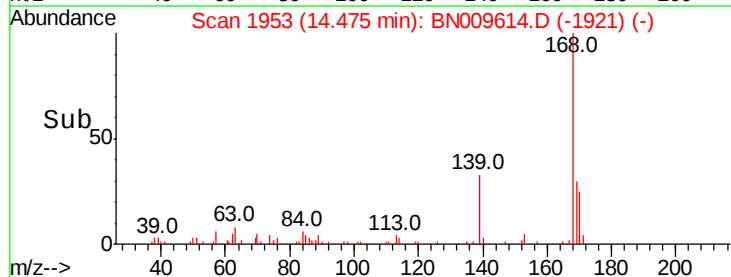
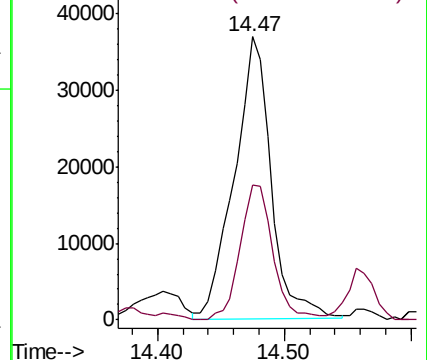
168 100

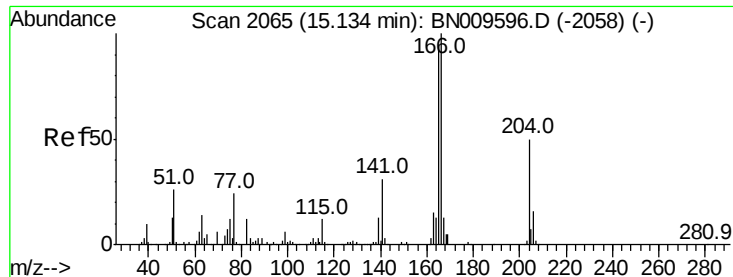
139 47.9 29.5 44.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 18.866 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. -0.01 min

Lab File: BN009614.D

Acq: 06 Feb 2020 17:59

Instrument :

BNA_N

ClientSampleId :

GAT43DL

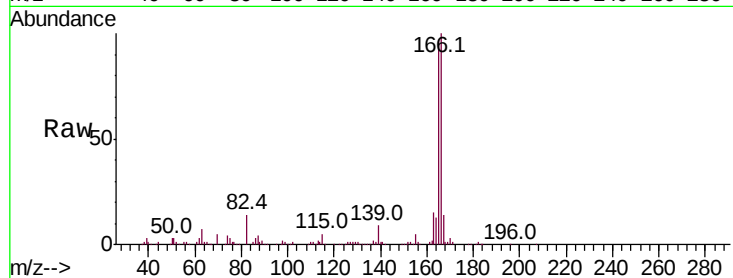
Tot Ion:166 Resp: 594548

Ion Ratio Lower Upper

166 100

165 97.2 76.7 115.1

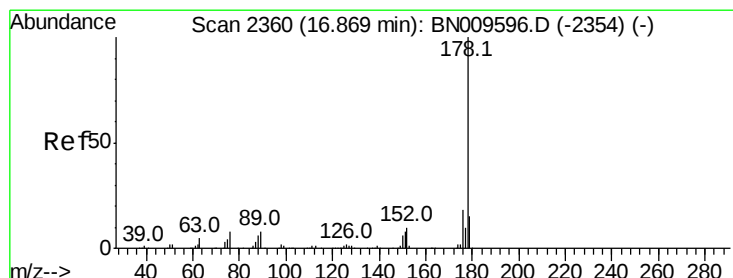
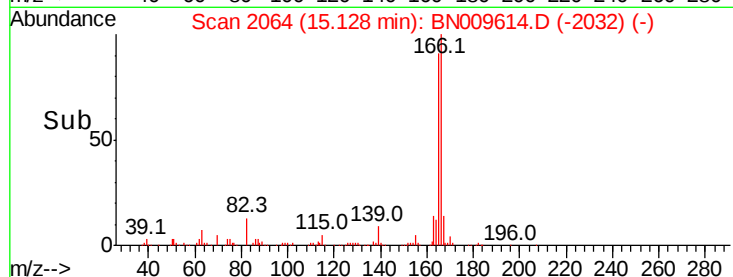
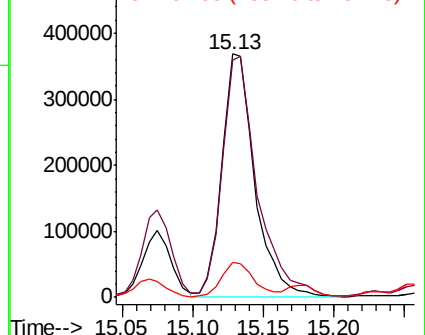
167 14.4 11.1 16.7



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



#69

Phenanthrene

Concen: 63.630 ng/ul

RT: 16.87 min Scan# 2361

Delta R.T. 0.00 min

Lab File: BN009614.D

Acq: 06 Feb 2020 17:59

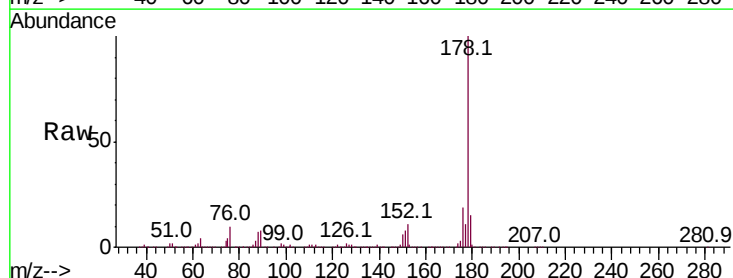
Tgt Ion:178 Resp: 3104604

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.2

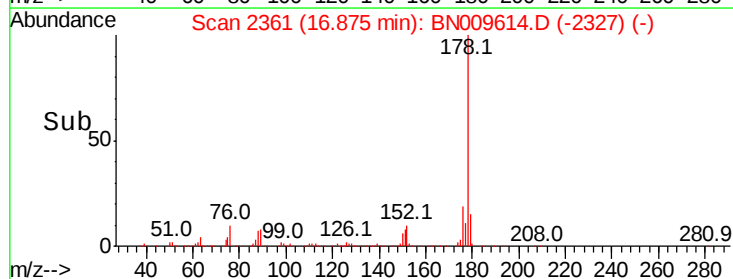
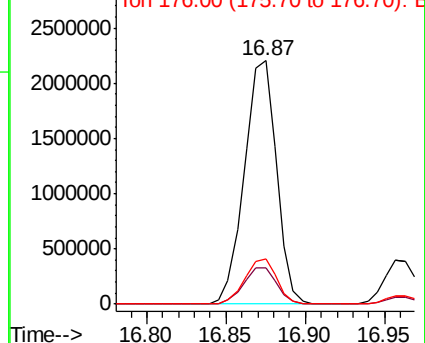
176 18.8 14.8 22.2

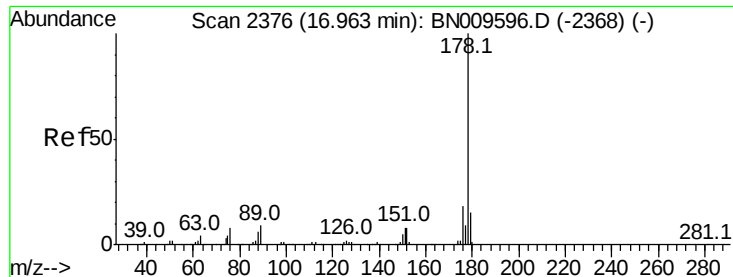


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

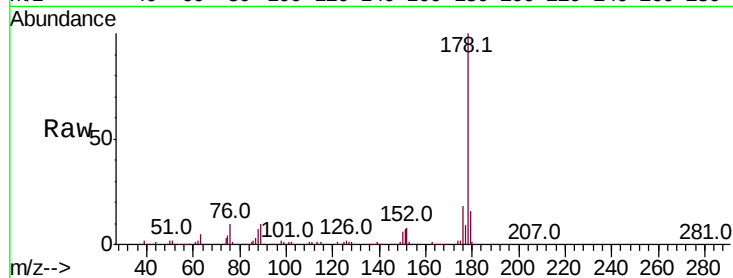




#71
 Anthracene
 Concen: 11.129 ng/ul
 RT: 16.96 min Scan# 2375
 Delta R.T. -0.01 min
 Lab File: BN009614.D
 Acq: 06 Feb 2020 17:59

Instrument :
 BNA_N
 ClientSampleId :
 GAT43DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.1	18.1
176	17.7	14.6	21.8

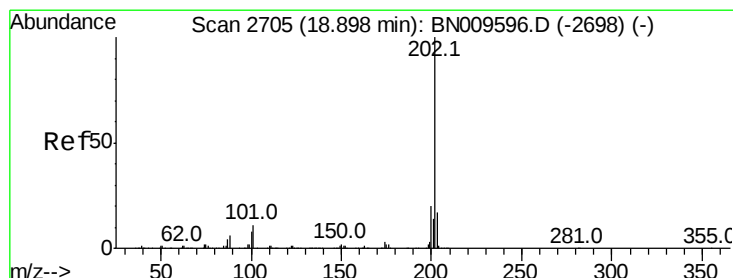
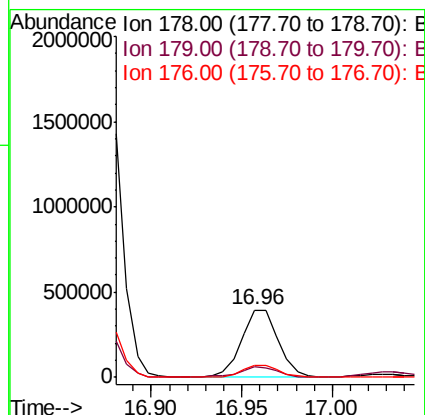
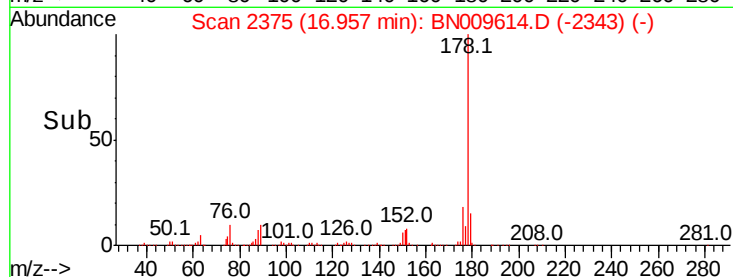


Abundance

Ion 178.00 (177.70 to 178.70): E

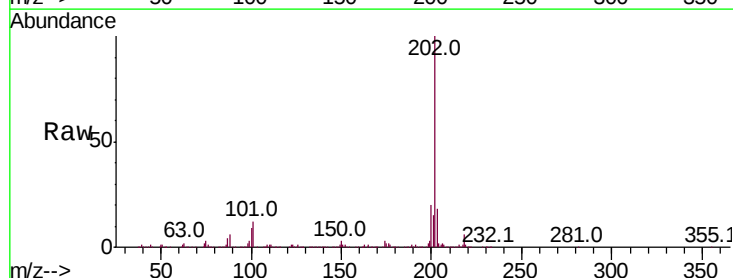
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#76
 Fluoranthene
 Concen: 14.870 ng/ul
 RT: 18.90 min Scan# 2705
 Delta R.T. -0.01 min
 Lab File: BN009614.D
 Acq: 06 Feb 2020 17:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.2	13.8
100	8.8	6.9	10.3

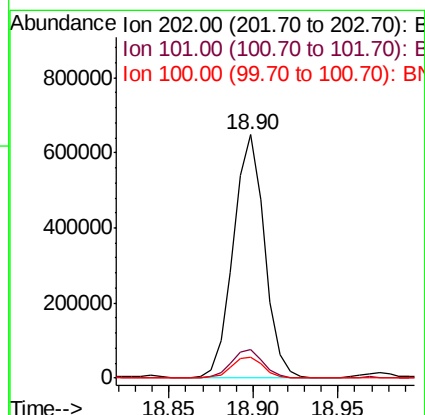
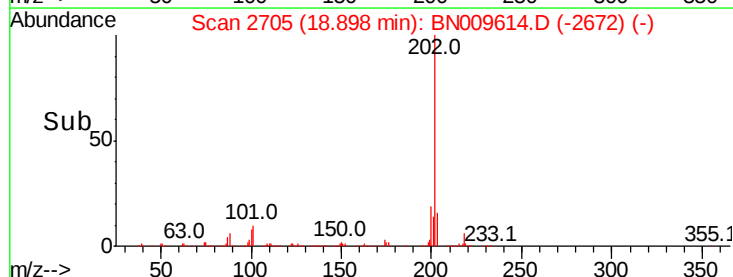


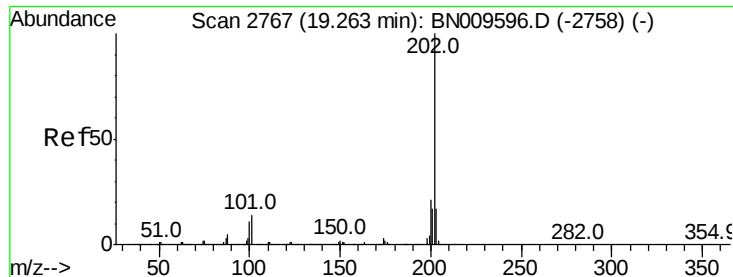
Abundance

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

Pvrene

Concen: 24.146 ng/ul

RT: 19.26 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BN009614.D

Acq: 06 Feb 2020 17:59

Instrument :

BNA_N

ClientSampleId :

GAT43DL

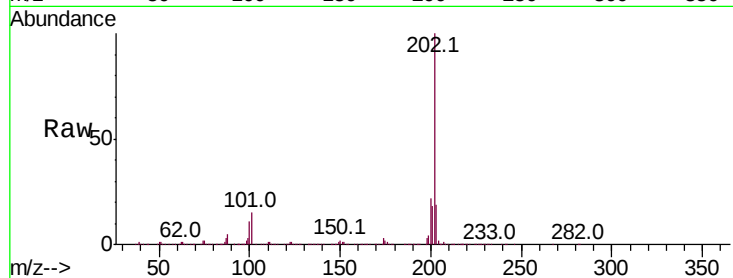
Tot Ion:202 Resp: 1400335

Ion Ratio Lower Upper

202 100

101 14.7 10.3 15.5

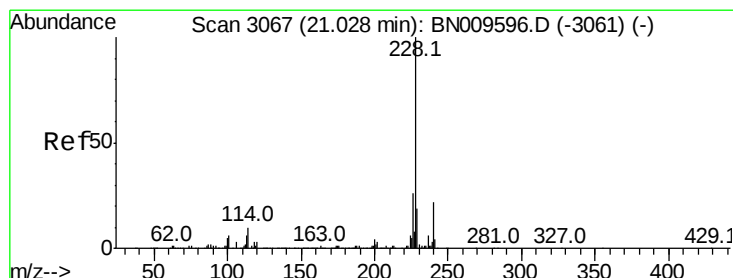
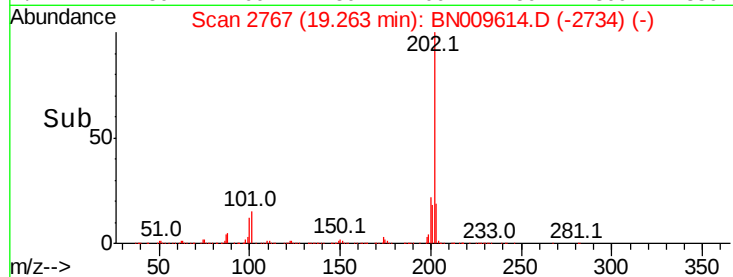
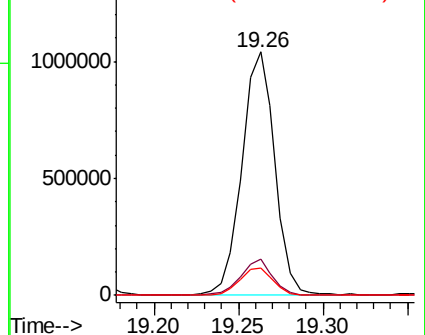
100 11.5 8.4 12.6



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: 8.709 ng/ul

RT: 21.03 min Scan# 3067

Delta R.T. 0.00 min

Lab File: BN009614.D

Acq: 06 Feb 2020 17:59

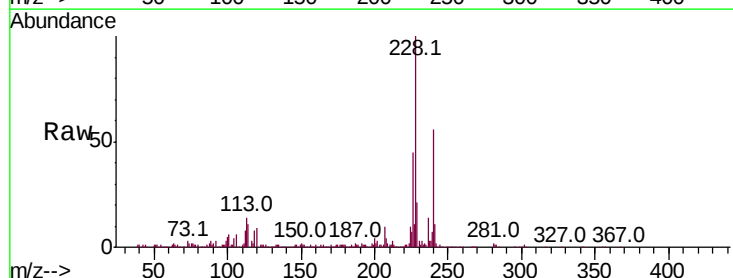
Tgt Ion:228 Resp: 477727

Ion Ratio Lower Upper

228 100

229 21.2 15.0 22.4

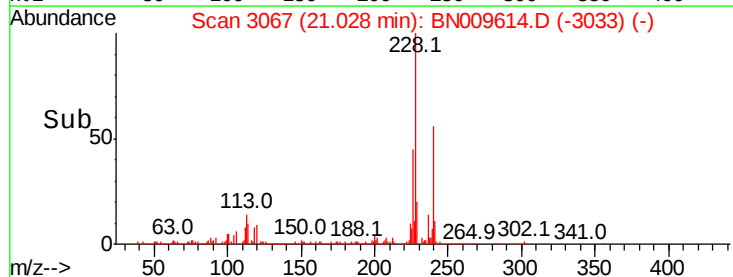
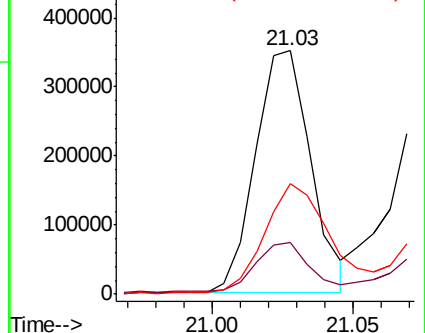
226 45.3 20.9 31.3#

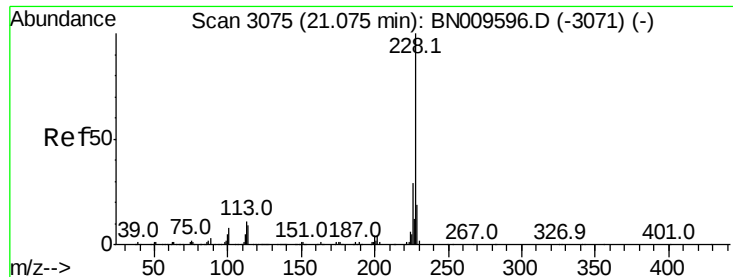


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 7.736 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BN009614.D

Acq: 06 Feb 2020 17:59

Instrument :

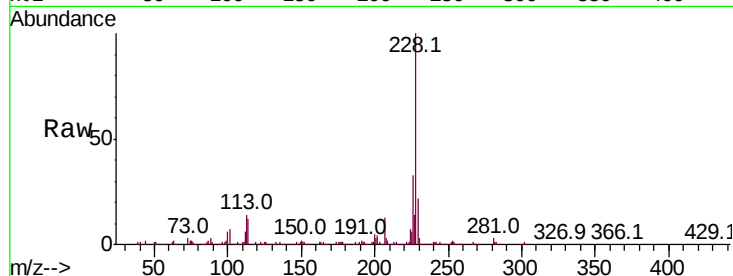
BNA_N

ClientSampleId :

GAT43DL

Tot Ion:228 Resp: 422417

Ion	Ratio	Lower	Upper
228	100		
226	32.8	23.5	35.3
229	22.0	15.8	23.8

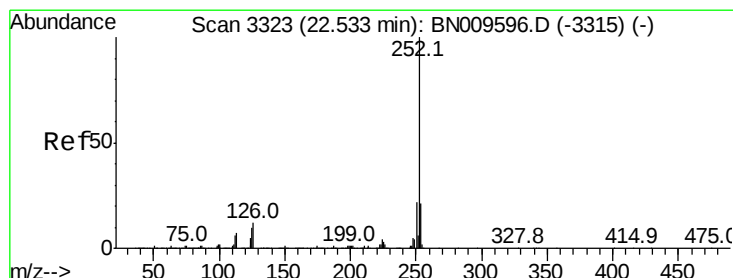
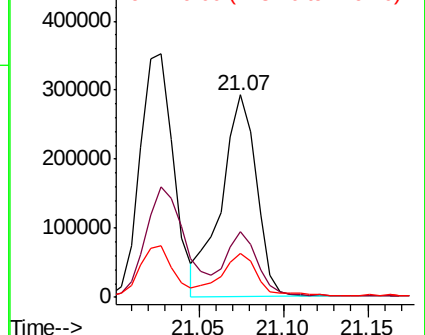
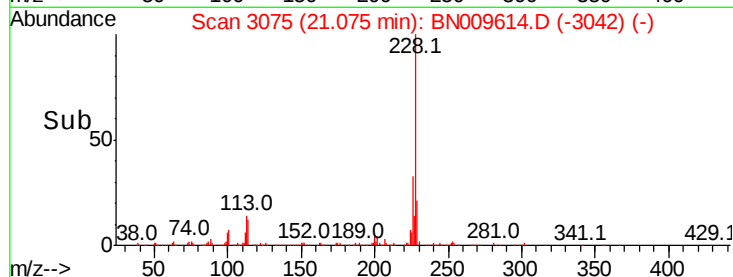


Abundance

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: 5.109 ng/ul

RT: 22.53 min Scan# 3323

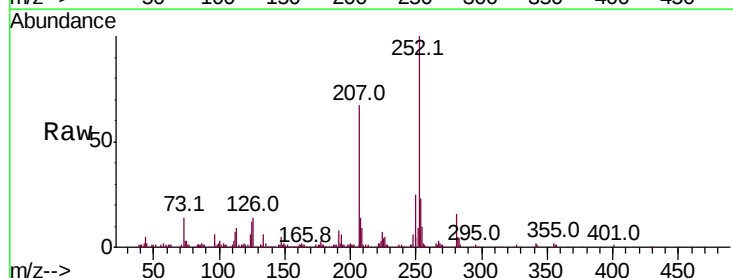
Delta R.T. 0.00 min

Lab File: BN009614.D

Acq: 06 Feb 2020 17:59

Tgt Ion:252 Resp: 283412

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	12.0	8.2	12.2

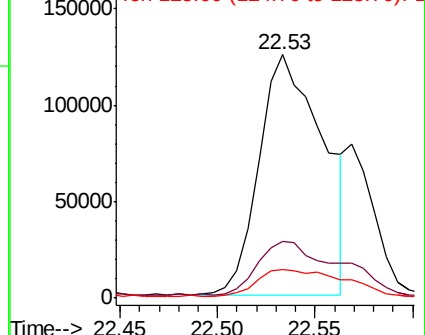
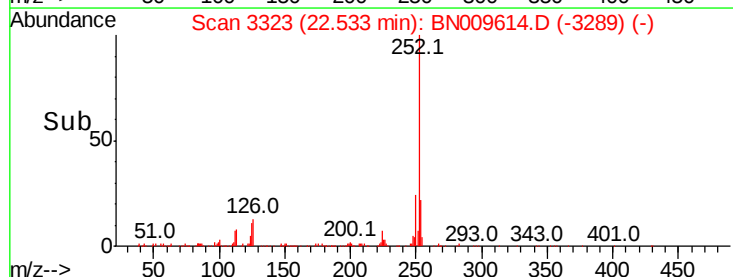


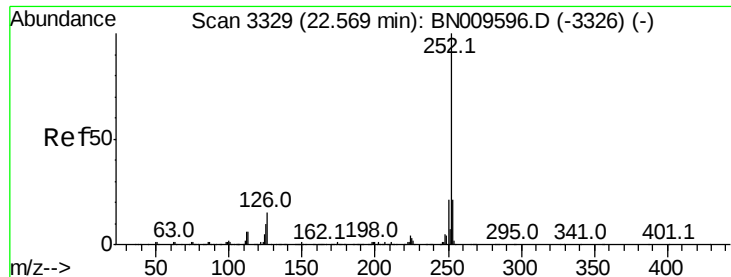
Abundance

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: 5.187 ng/ul

RT: 22.53 min Scan# 3323

Delta R.T. -0.04 min

Lab File: BN009614.D

Acq: 06 Feb 2020 17:59

Instrument :

BNA_N

ClientSampleId :

GAT43DL

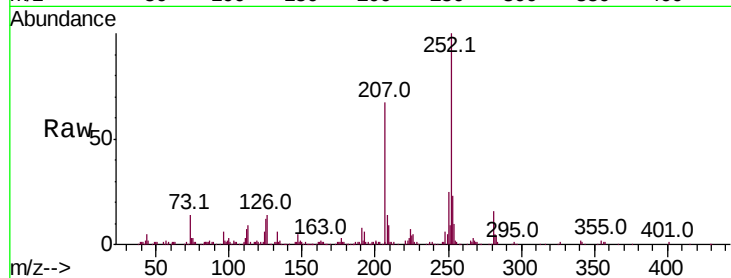
Tot Ion:252 Resp: 283412

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.4

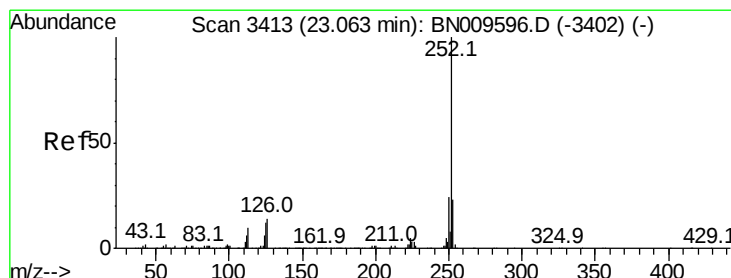
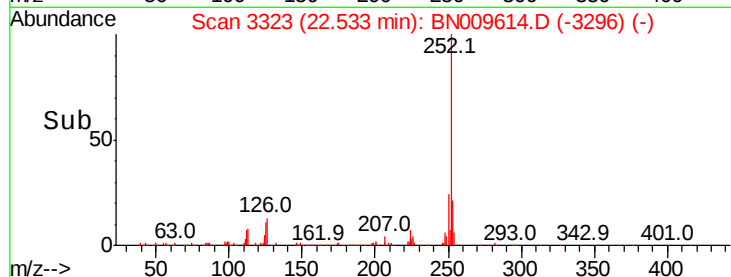
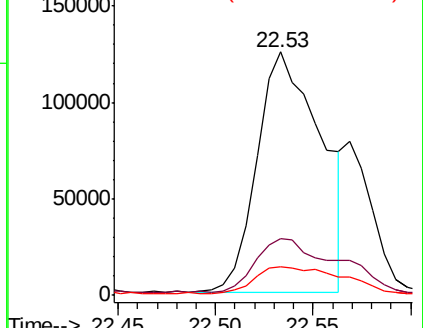
125 12.0 8.0 12.0



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: 5.568 ng/ul

RT: 23.06 min Scan# 3413

Delta R.T. -0.01 min

Lab File: BN009614.D

Acq: 06 Feb 2020 17:59

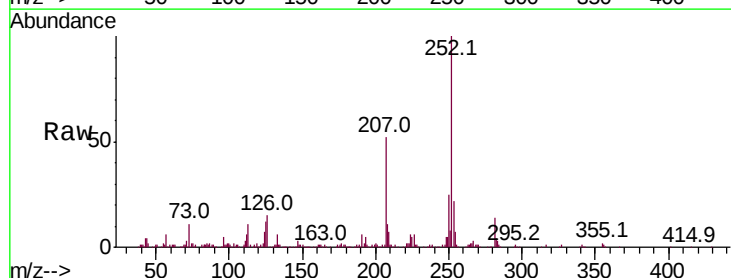
Tgt Ion:252 Resp: 286173

Ion Ratio Lower Upper

252 100

253 22.4 15.8 23.8

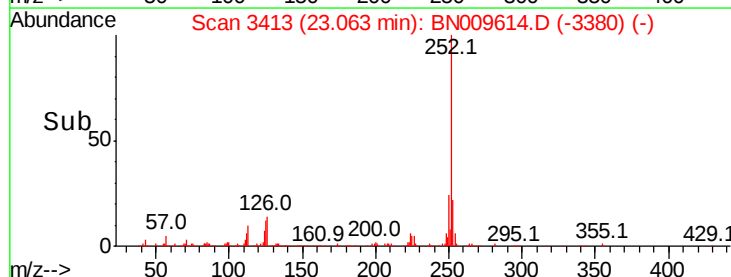
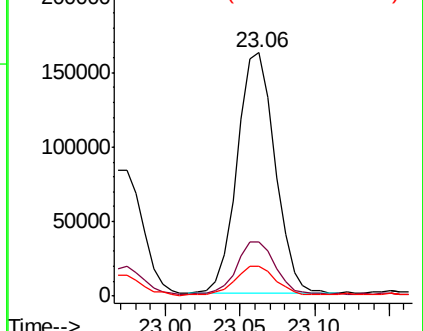
125 12.3 8.7 13.1

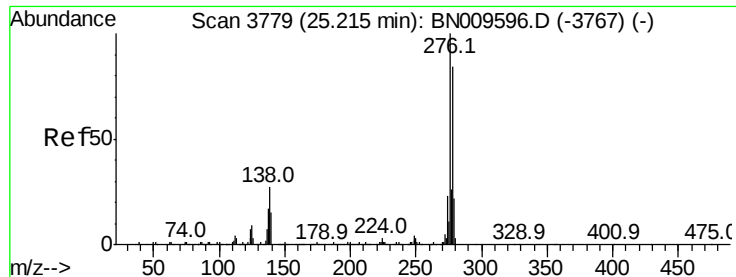


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



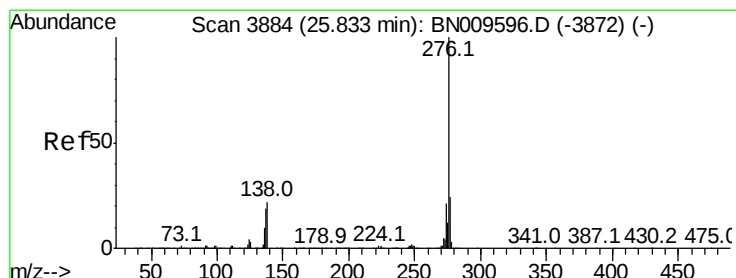
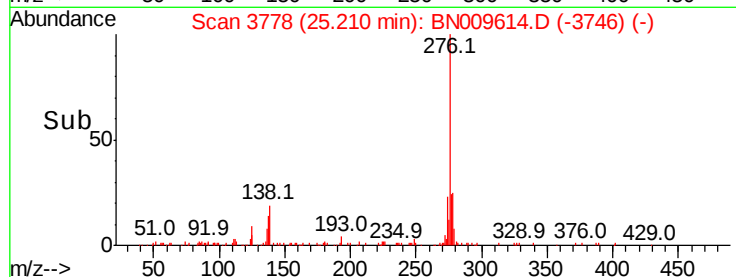
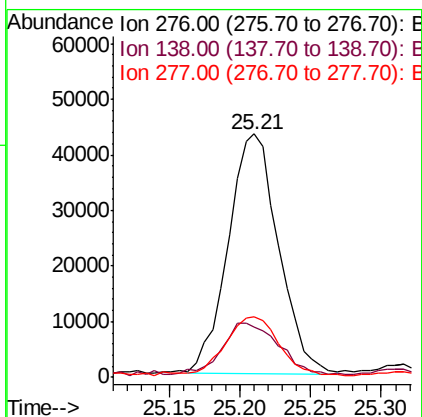
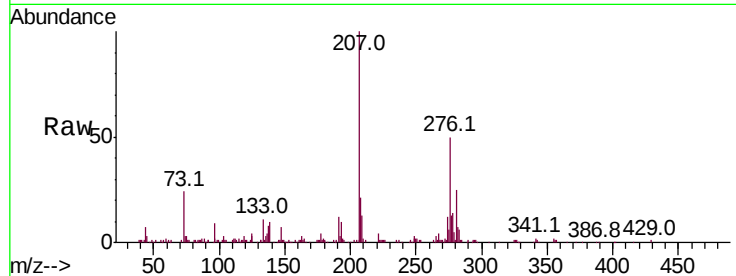


#91

Indeno(1,2,3-cd)pyrene
Concen: 1.759 ng/ul
RT: 25.21 min Scan# 3778
Delta R.T. -0.01 min
Lab File: BN009614.D
Acq: 06 Feb 2020 17:59

Instrument :
BNA_N
ClientSampleId :
GAT43DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	20.3	30.5
277	24.9	21.2	31.8



#93

Benzo(g,h,i)perylene
Concen: 1.939 ng/ul
RT: 25.83 min Scan# 3884
Delta R.T. -0.02 min
Lab File: BN009614.D
Acq: 06 Feb 2020 17:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.0	16.0	24.0
277	21.0	17.0	25.6

