

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009608.D
 Acq On : 06 Feb 2020 13:56
 Operator : CG/JU
 Sample : L1323-16
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT54

Quant Time: Feb 06 21:08:25 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	139364	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.18	136	578469	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.07	164	353488	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.83	188	730635	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	667479	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	729742	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	7859	2.31	ng/uL	0.00
5) Phenol-d5	6.63	99	149786	12.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	110816	13.57	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	122378	13.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	118205	12.21	ng/ul	-0.01
19) Nitrobenzene-d5	8.58	128	57413	13.35	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.29	143	62091	12.93	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.82	165	116402	12.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.33	131	111771	11.56	ng/ul	0.00
43) Dimethylphthalate-d6	13.49	166	370591	14.36	ng/ul	-0.01
46) Acenaphthylene-d8	13.76	160	440212	14.12	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.31	143	43853	9.00	ng/ul	0.00
57) Fluorene-d10	15.07	176	329160	14.51	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	46306	10.15	ng/ul	0.00
70) Anthracene-d10	16.93	188	510485	15.38	ng/ul	0.00
78) Pyrene-d10	19.23	212	564325	16.08	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	575463	16.02	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.66	94	27391	2.109	ng/ul 95
14) Acetophenone	8.26	105	20709	1.337	ng/ul 98
28) Naphthalene	10.23	128	355886	11.345	ng/ul 99
34) 2-Methylnaphthalene	11.86	142	1304811	59.436	ng/ul 100
40) 1,1'-Biphenyl	12.89	154	176352	6.408	ng/ul 98
44) Dimethylphthalate	13.55	163	73820	2.696	ng/ul# 97
47) Acenaphthylene	13.79	152	1050779	30.795	ng/ul 99
49) Acenaphthene	14.13	153	123147	5.309	ng/ul 95
53) Dibenzofuran	14.47	168	85359	2.643	ng/ul 89
54) 2,4-Dinitrotoluene	14.45	165	10081	1.285	ng/ul# 38
58) Fluorene	15.13	166	594403	22.019	ng/ul 97
60) 4-Nitroaniline	15.13	138	7701	1.246	ng/ul# 10
69) Phenanthrene	16.87	178	3177611	76.261	ng/ul 99
71) Anthracene	16.96	178	597076	14.123	ng/ul 99
76) Fluoranthene	18.90	202	1353970	28.471	ng/ul 98
79) Pyrene	19.26	202	2775376	56.959	ng/ul 97
82) Benzo(a)anthracene	21.08	228	898005	19.485	ng/ul 94
84) Chrysene	21.08	228	898005	19.573	ng/ul 99
87) Benzo(b)fluoranthene	22.69	252	229237	5.021	ng/ul 97
88) Benzo(k)fluoranthene	22.69	252	258268	5.744	ng/ul 96
90) Benzo(a)pyrene	23.07	252	852760	20.159	ng/ul 97
91) Indeno(1,2,3-cd)pyrene	25.22	276	329531	6.552	ng/ul 96
92) Dibenz(a,h)anthracene	25.22	278	111970	2.645	ng/ul# 91

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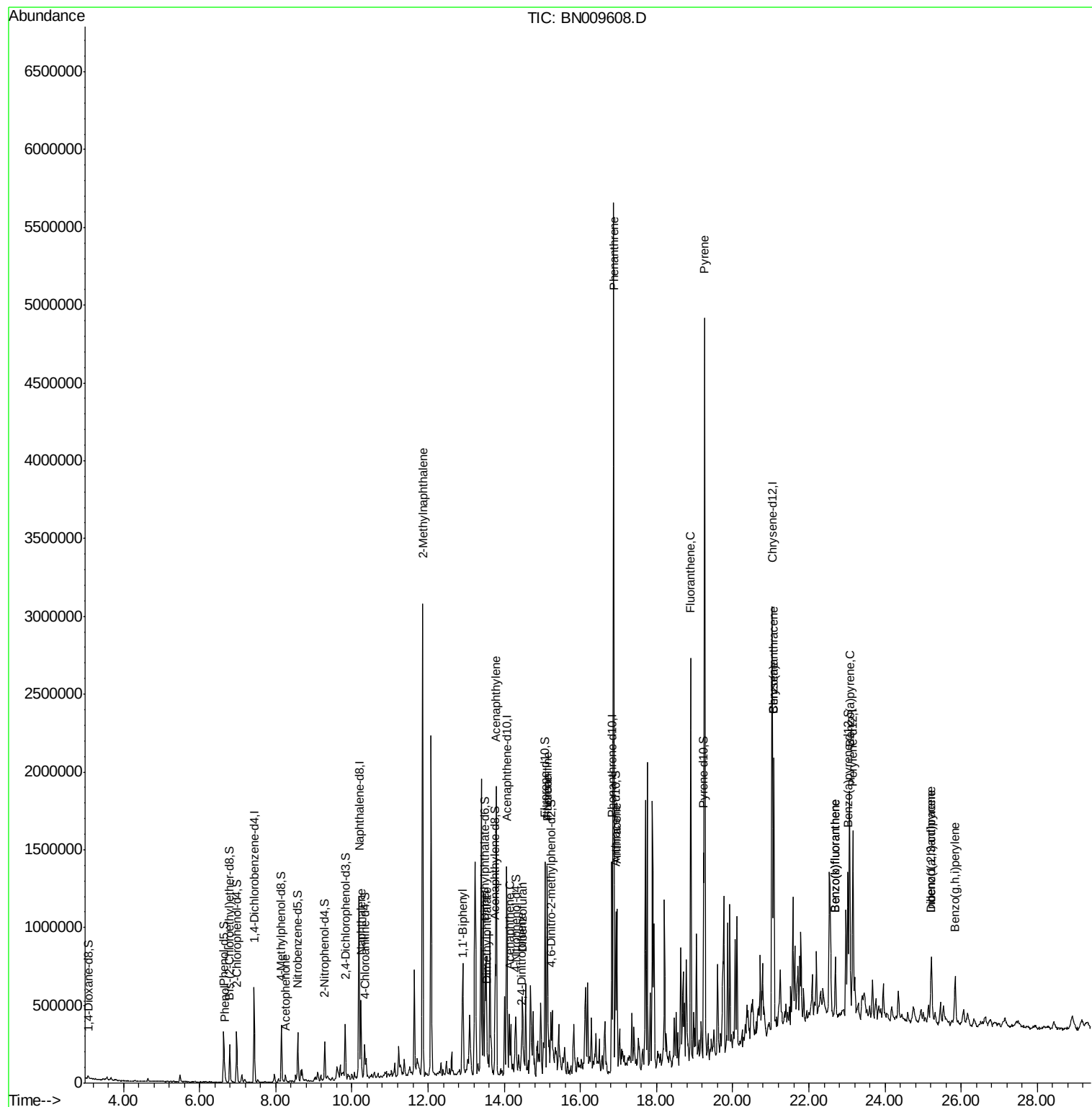
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(q,h,i)perylene	25.84	276	303240	7.194	ng/ul#	91

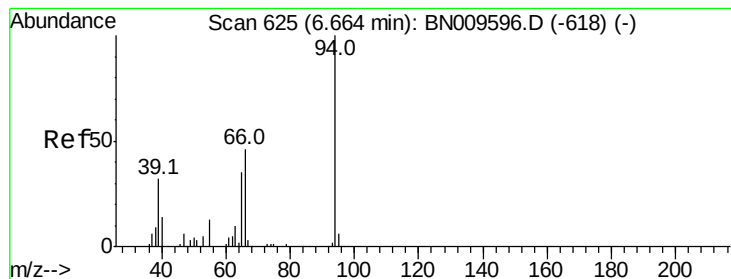
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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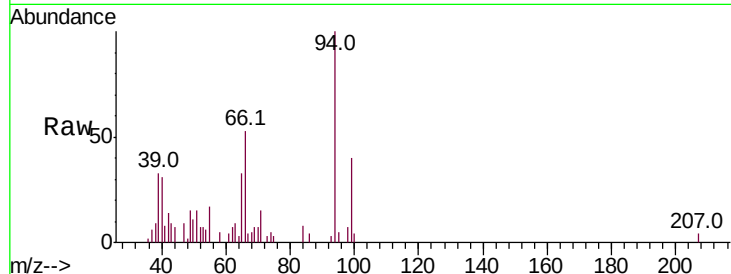
#6

Phenol

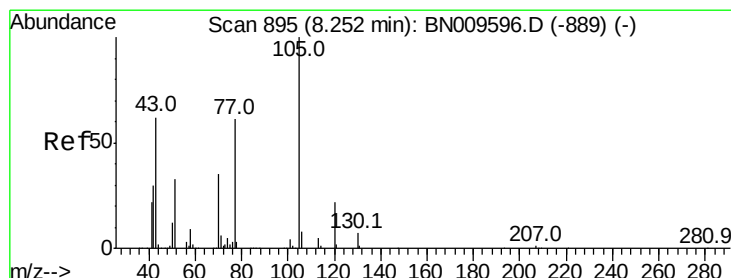
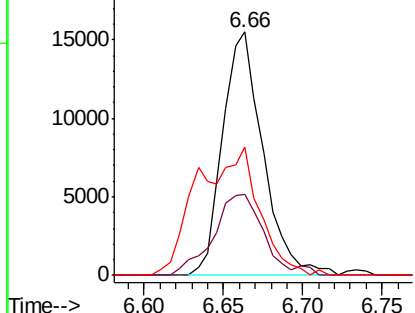
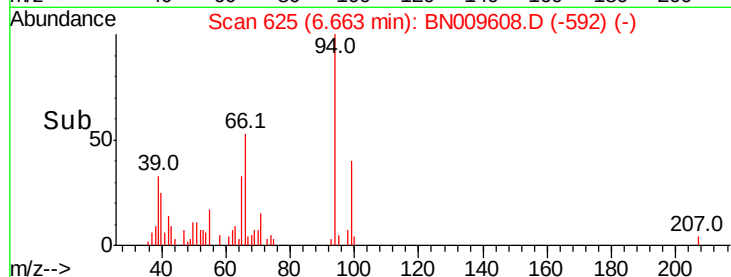
Concen: 2.109 ng/ul
 RT: 6.66 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BN009608.D
 Acq: 06 Feb 2020 13:56

Instrument :
 BNA_N
 ClientSampleId :
 GAT54

Tot Ion: 94 Resp: 27391
 Ion Ratio Lower Upper
 94 100
 65 33.4 29.8 44.6
 66 52.6 39.5 59.3



Abundance Ion 94.00 (93.70 to 94.70): BN0
 Ion 65.00 (64.70 to 65.70): BN0
 Ion 66.00 (65.70 to 66.70): BN0

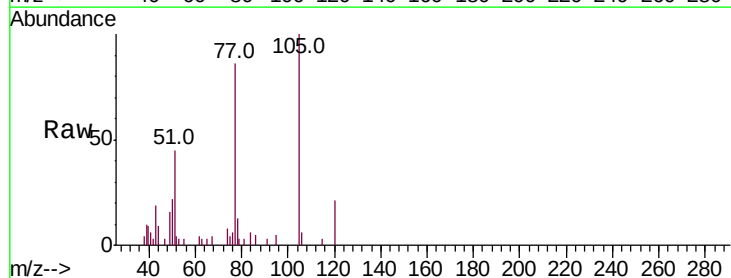


#14

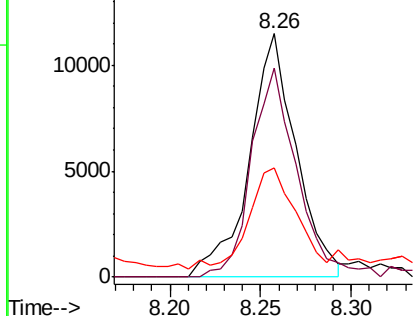
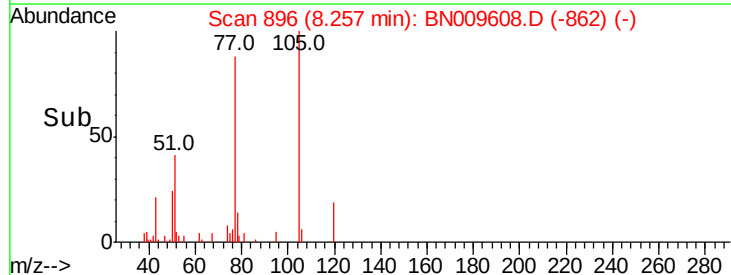
Acetophenone

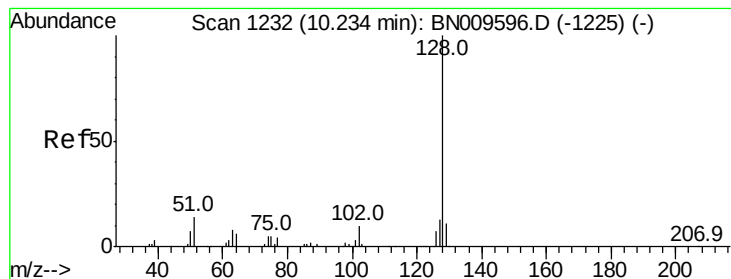
Concen: 1.337 ng/ul
 RT: 8.26 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: BN009608.D
 Acq: 06 Feb 2020 13:56

Tgt Ion: 105 Resp: 20709
 Ion Ratio Lower Upper
 105 100
 77 85.8 67.7 101.5
 51 44.8 34.3 51.5



Abundance Ion 105.00 (104.70 to 105.70): E
 Ion 77.00 (76.70 to 77.70): BN0
 Ion 51.00 (50.70 to 51.70): BN0





#28

Naphthalene

Concen: 11.345 ng/ul

RT: 10.23 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BN009608.D

Acq: 06 Feb 2020 13:56

Instrument :

BNA_N

ClientSampleId :

GAT54

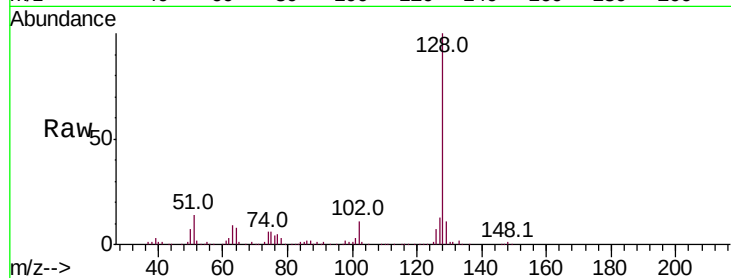
Tot Ion:128 Resp: 355886

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

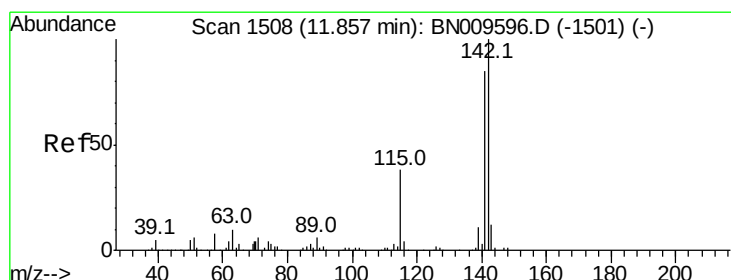
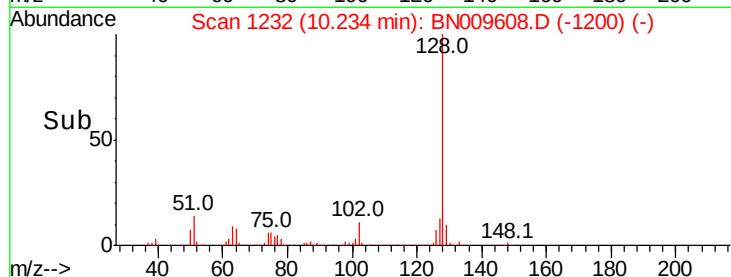
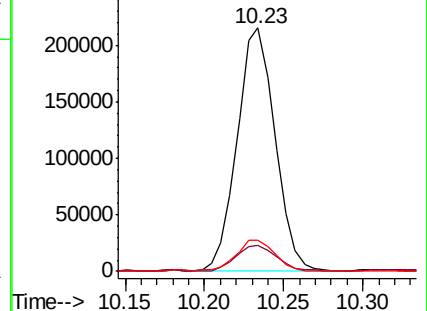
127 12.7 10.7 16.1



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



#34

2-Methylnaphthalene

Concen: 59.436 ng/ul

RT: 11.86 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BN009608.D

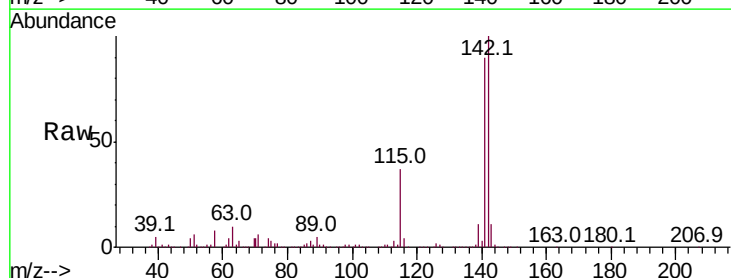
Acq: 06 Feb 2020 13:56

Tgt Ion:142 Resp: 1304811

Ion Ratio Lower Upper

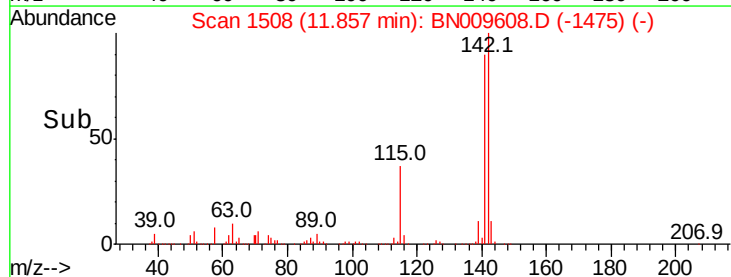
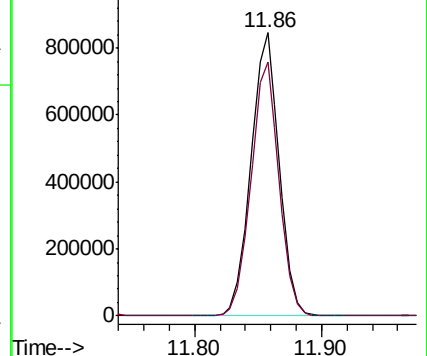
142 100

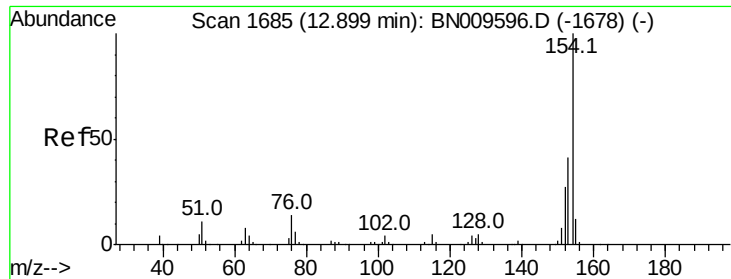
141 89.7 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 6.408 ng/ul

RT: 12.89 min Scan# 1684

Delta R.T. -0.01 min

Lab File: BN009608.D

Acq: 06 Feb 2020 13:56

Instrument :

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ClientSampleId :

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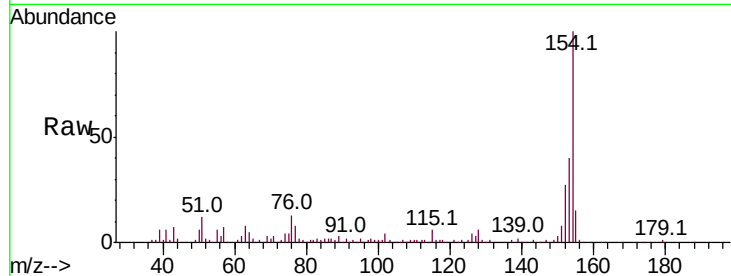
Tot Ion:154 Resp: 176352

Ion Ratio Lower Upper

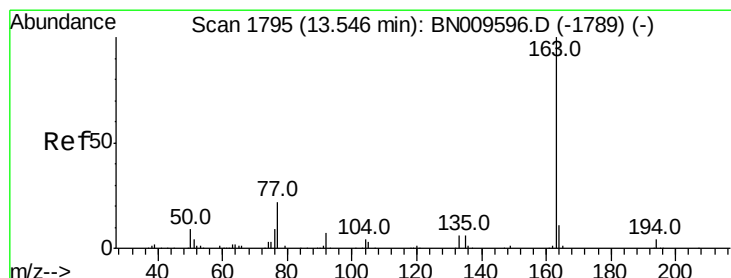
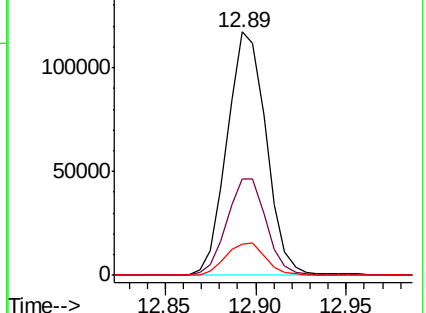
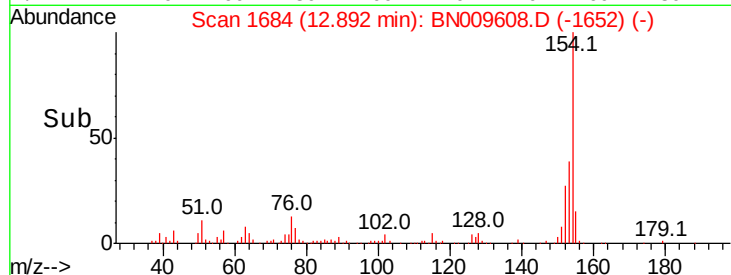
154 100

153 39.7 31.2 46.8

76 12.7 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



#44

Dimethylphthalate

Concen: 2.696 ng/ul

RT: 13.55 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BN009608.D

Acq: 06 Feb 2020 13:56

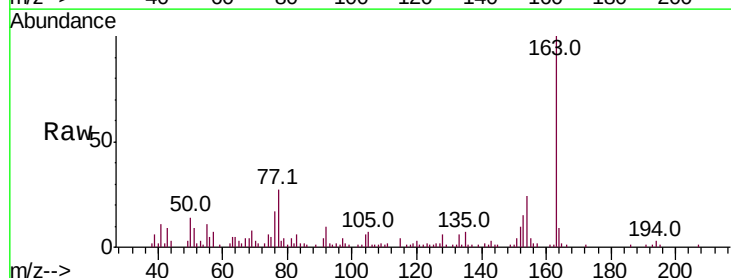
Tgt Ion:163 Resp: 73820

Ion Ratio Lower Upper

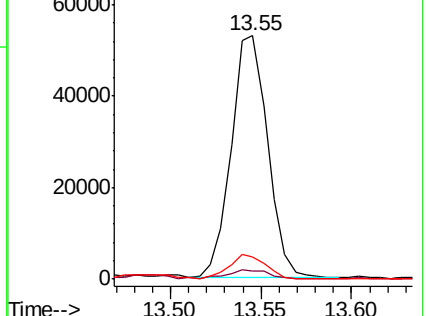
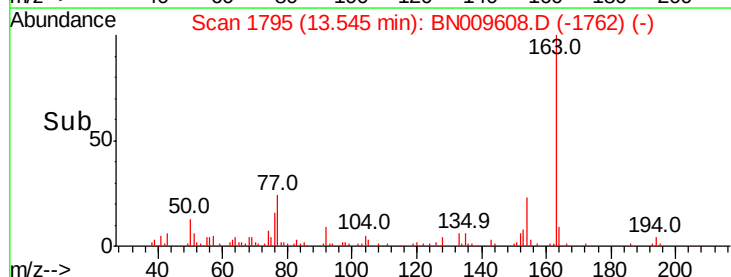
163 100

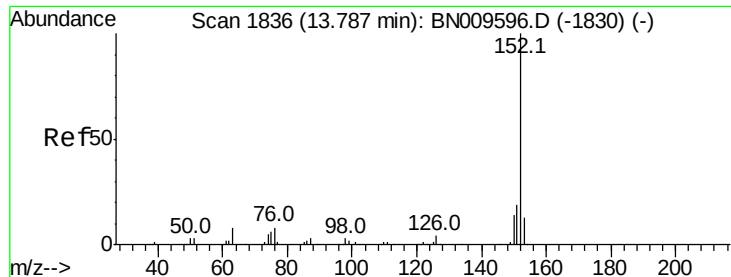
194 3.5 3.5 5.3#

164 9.0 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: 30.795 ng/ul

RT: 13.79 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BN009608.D

Acq: 06 Feb 2020 13:56

Instrument :

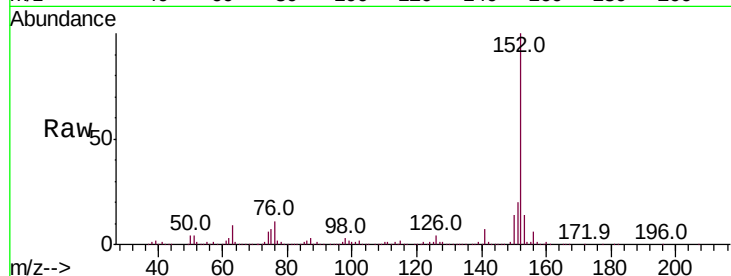
BNA_N

ClientSampled :

GAT54

Tot Ion:152 Resp: 1050779

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	14.1	10.6	15.8

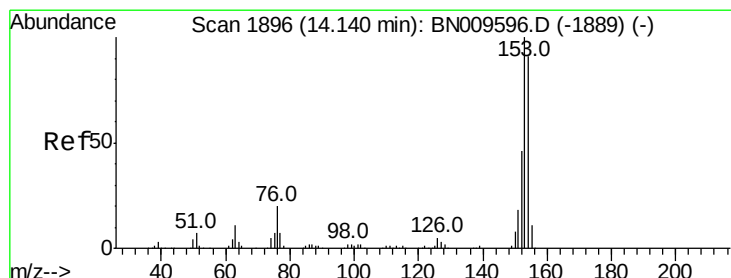
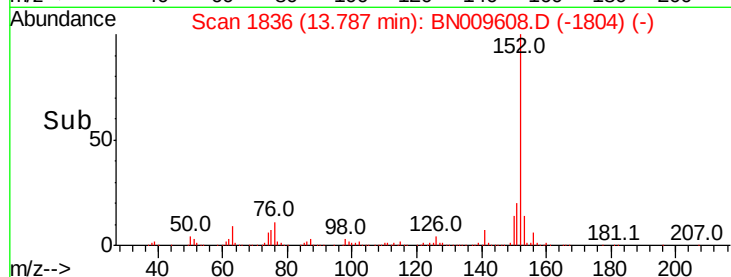
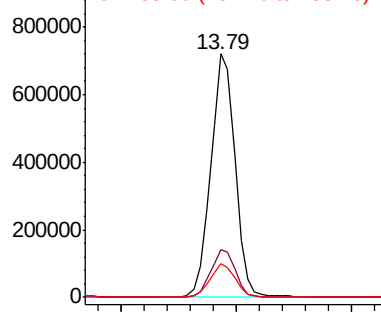


Abundance

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: 5.309 ng/ul

RT: 14.13 min Scan# 1895

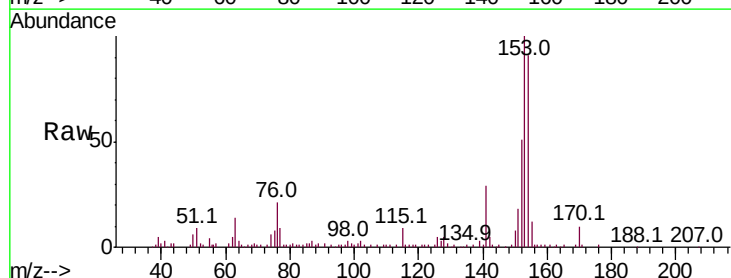
Delta R.T. -0.01 min

Lab File: BN009608.D

Acq: 06 Feb 2020 13:56

Tgt Ion:153 Resp: 123147

Ion	Ratio	Lower	Upper
153	100		
152	51.2	37.3	55.9
154	91.2	70.2	105.2

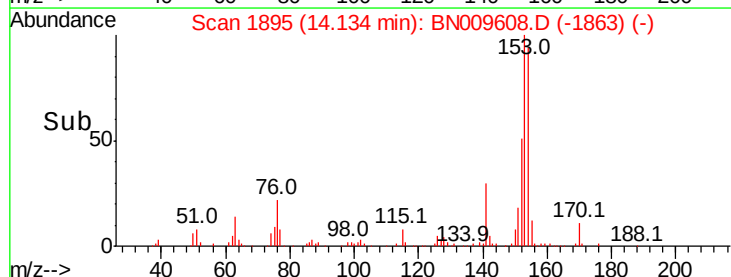
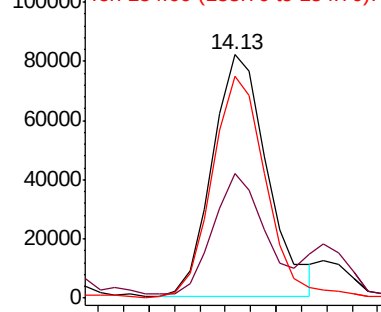


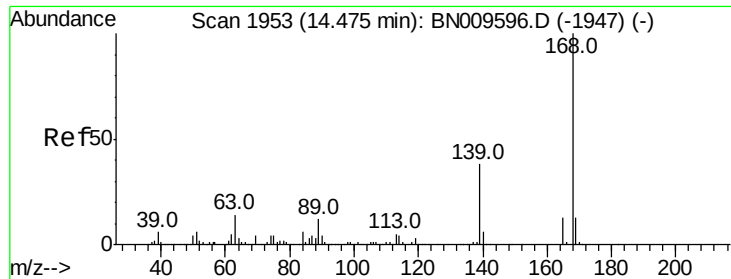
Abundance

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





#53

Dibenzofuran

Concen: 2.643 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. -0.01 min

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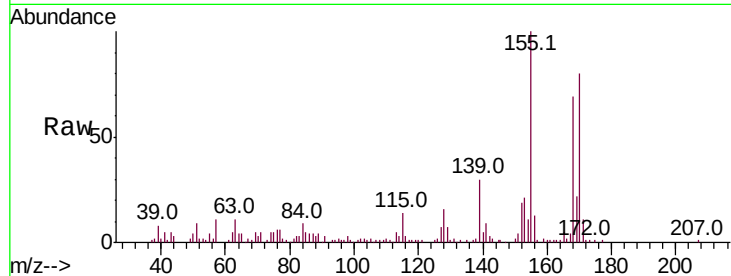
GAT54

Tot Ion:168 Resp: 85359

Ion Ratio Lower Upper

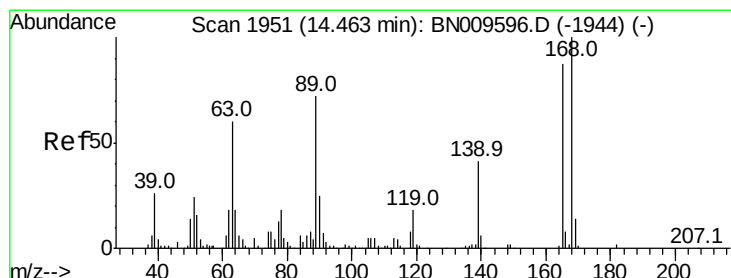
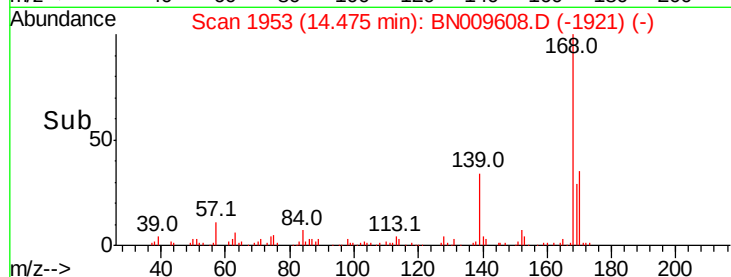
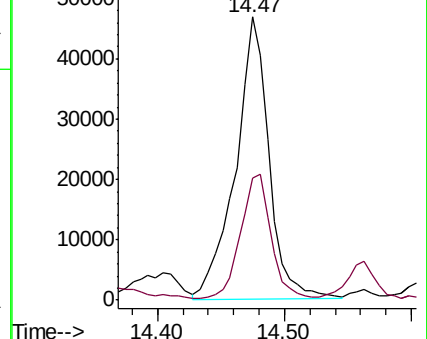
168 100

139 43.2 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#54

2,4-Dinitrotoluene

Concen: 1.285 ng/ul

RT: 14.45 min Scan# 1948

Delta R.T. -0.02 min

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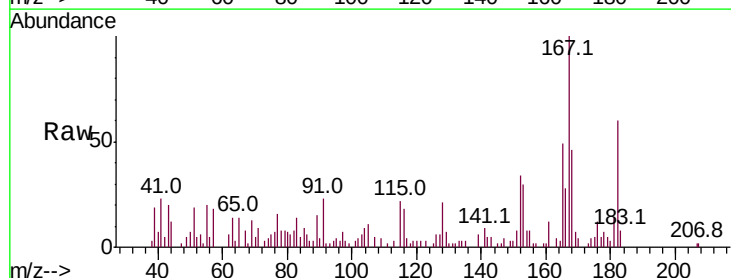
Tgt Ion:165 Resp: 10081

Ion Ratio Lower Upper

165 100

63 28.7 55.0 82.4#

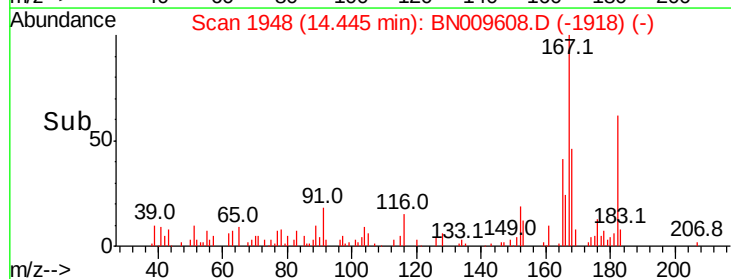
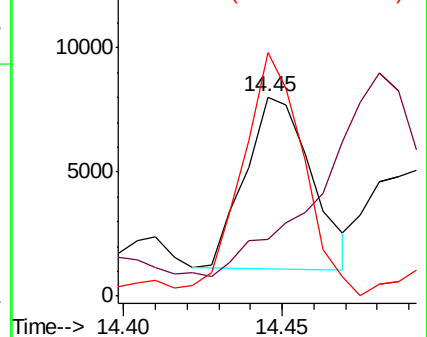
182 122.1 2.4 3.6#

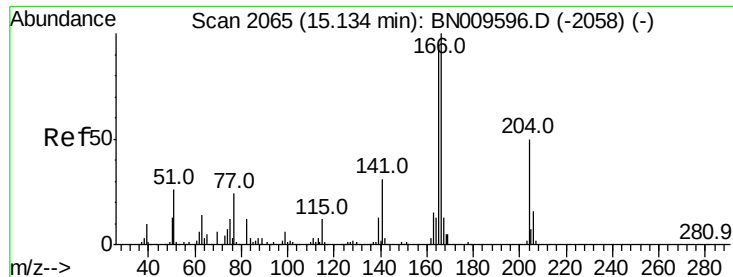


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 22.019 ng/ul

RT: 15.13 min Scan# 2065

Delta R.T. -0.01 min

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Instrument :

BNA_N

ClientSampled :

GAT54

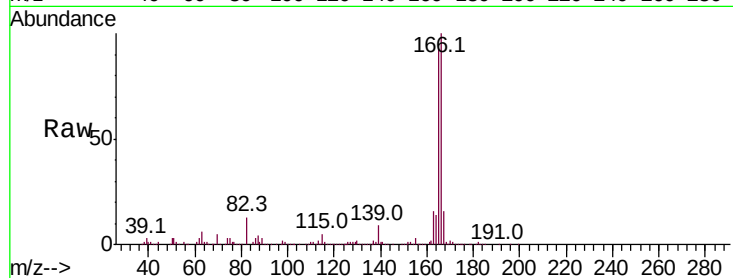
Tot Ion:166 Resp: 594403

Ion Ratio Lower Upper

166 100

165 93.3 76.7 115.1

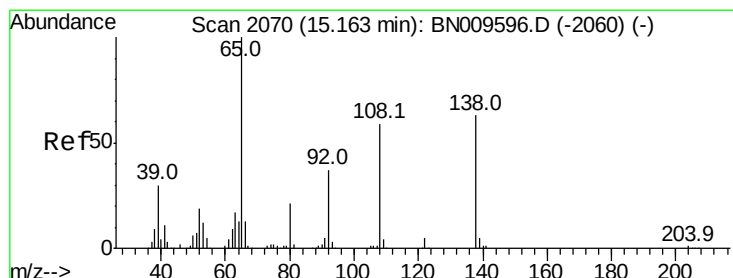
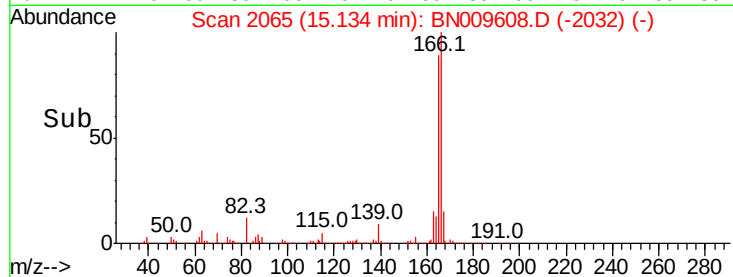
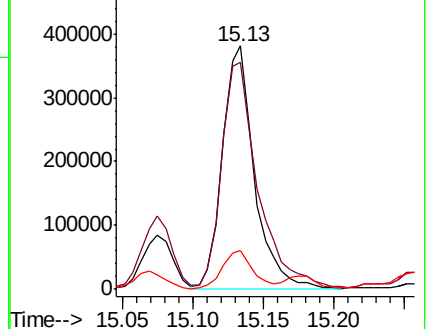
167 15.8 11.1 16.7



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



#60

4-Nitroaniline

Concen: 1.246 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. -0.04 min

Lab File: BN009608.D

Acq: 06 Feb 2020 13:56

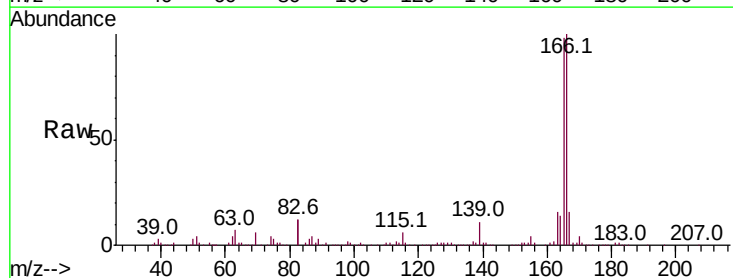
Tgt Ion:138 Resp: 7701

Ion Ratio Lower Upper

138 100

92 0.0 46.1 69.1#

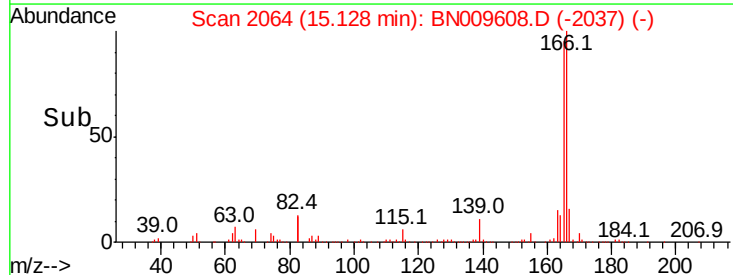
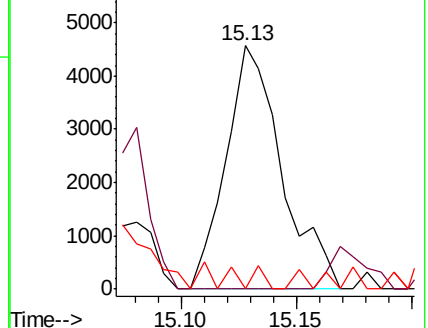
108 0.0 75.1 112.7#

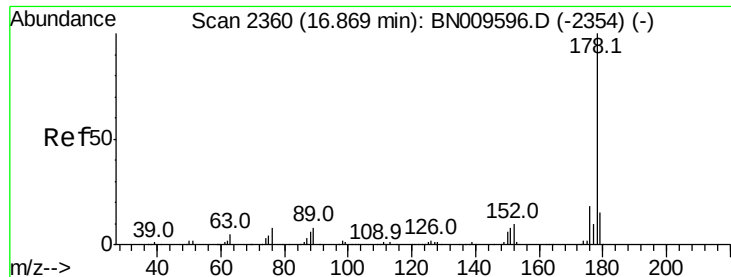


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BNC

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 76.261 ng/ul

RT: 16.87 min Scan# 2360

Delta R.T. -0.01 min

Lab File: BN009608.D

Acq: 06 Feb 2020 13:56

Instrument :

BNA_N

ClientSampleId :

GAT54

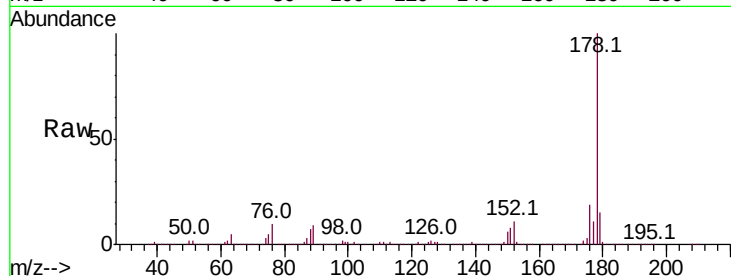
Tot Ion:178 Resp: 3177611

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

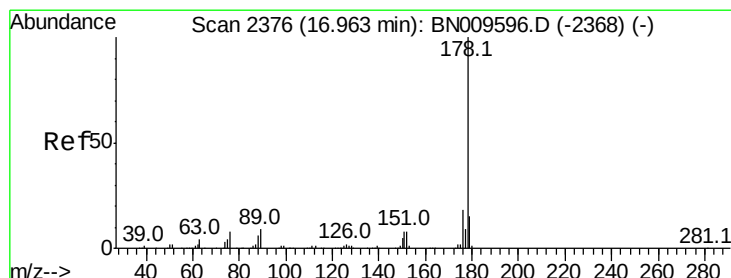
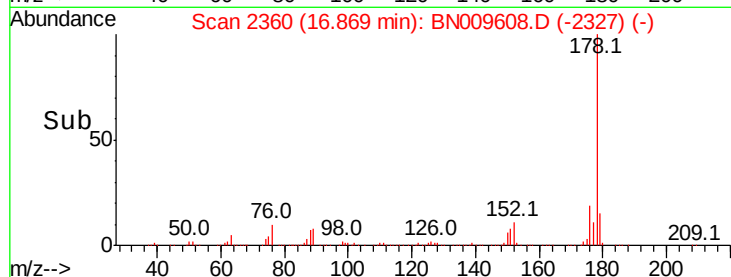
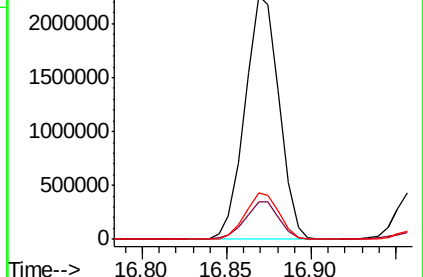
176 19.1 14.8 22.2



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: 14.123 ng/ul

RT: 16.96 min Scan# 2375

Delta R.T. -0.01 min

Lab File: BN009608.D

Acq: 06 Feb 2020 13:56

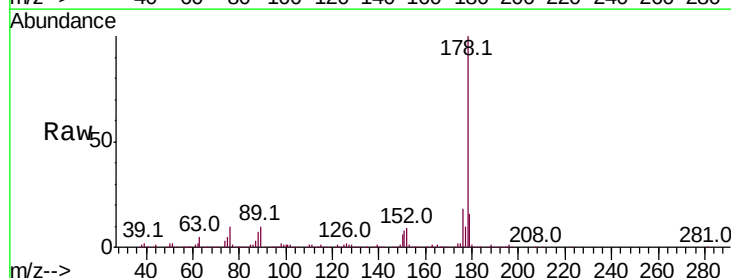
Tgt Ion:178 Resp: 597076

Ion Ratio Lower Upper

178 100

179 15.8 12.1 18.1

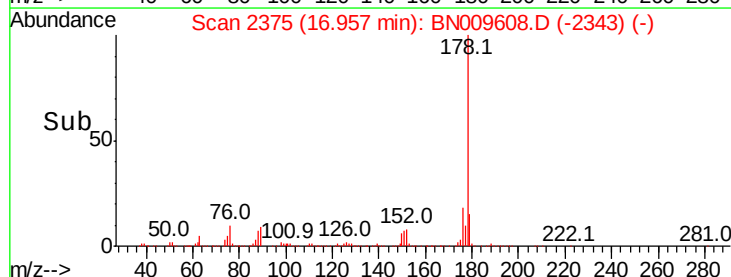
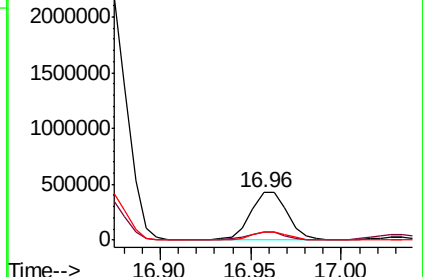
176 18.2 14.6 21.8

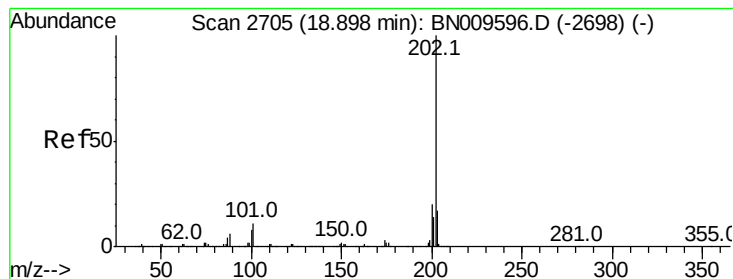


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

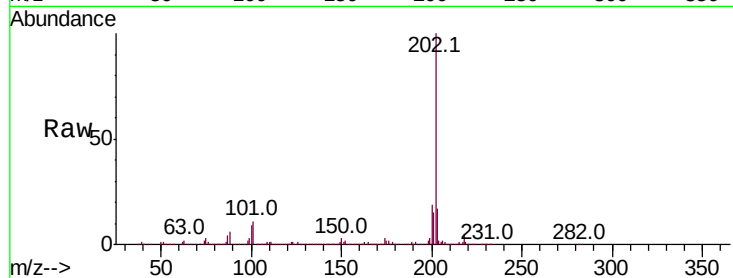




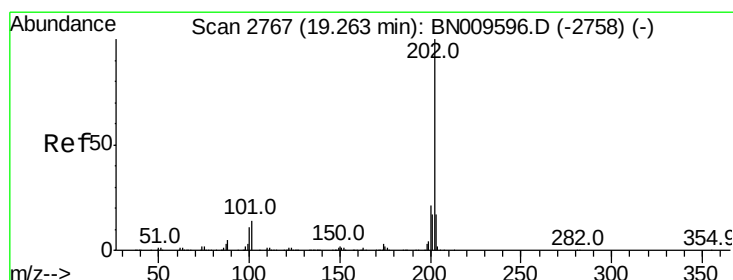
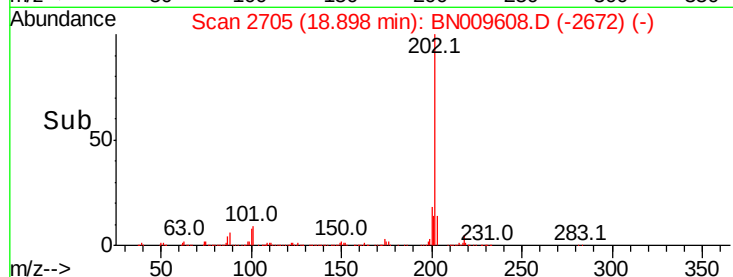
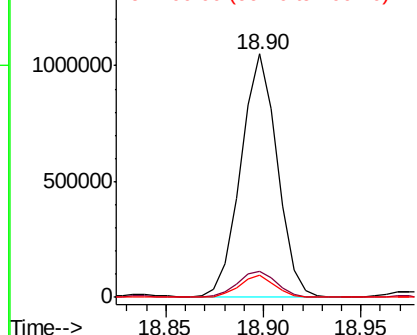
#76
Fluoranthene
Concen: 28.471 ng/ul
RT: 18.90 min Scan# 2705
Delta R.T. -0.01 min
Lab File: BN009608.D
Acq: 06 Feb 2020 13:56

Instrument :
BNA_N
ClientSampleId :
GAT54

Tot Ion:202 Resp: 1353970
Ion Ratio Lower Upper
202 100
101 10.6 9.2 13.8
100 8.9 6.9 10.3

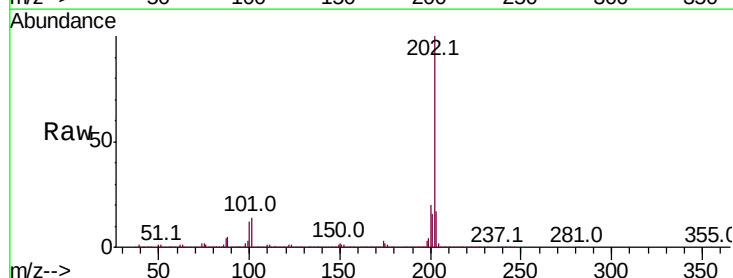


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

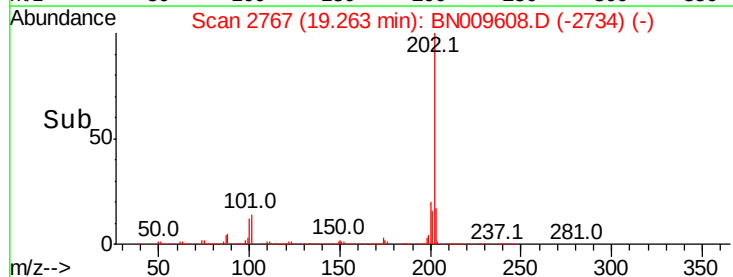
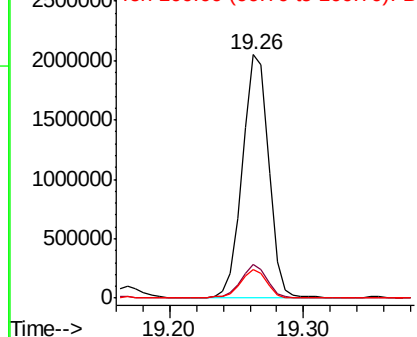


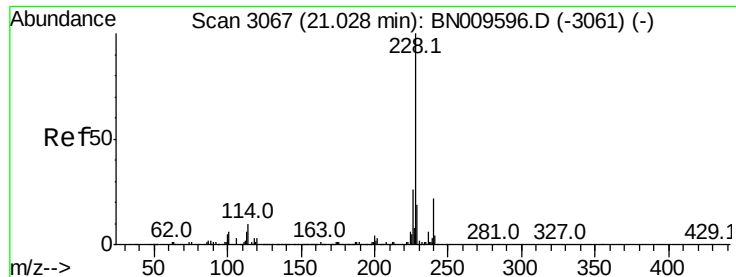
#79
Pyrene
Concen: 56.959 ng/ul
RT: 19.26 min Scan# 2767
Delta R.T. -0.01 min
Lab File: BN009608.D
Acq: 06 Feb 2020 13:56

Tgt Ion:202 Resp: 2775376
Ion Ratio Lower Upper
202 100
101 14.1 10.3 15.5
100 11.7 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

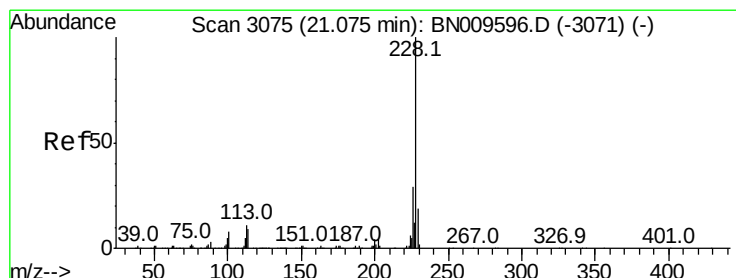
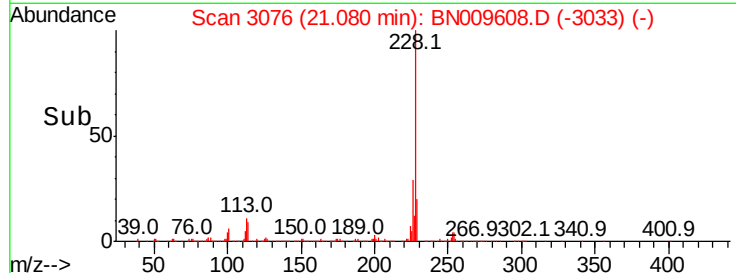
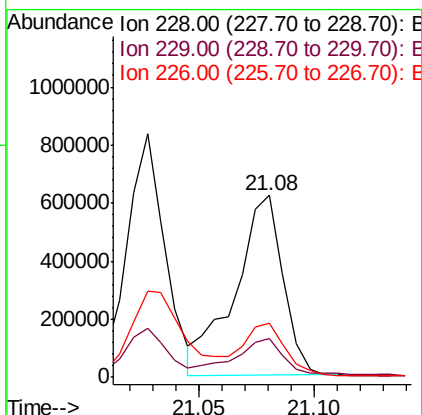
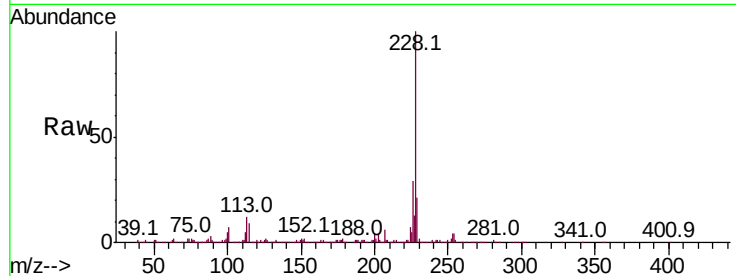




#82
Benzo(a)anthracene
Concen: 19.485 ng/ul
RT: 21.08 min Scan# 3076
Delta R.T. 0.05 min
Lab File: BN009608.D
Acq: 06 Feb 2020 13:56

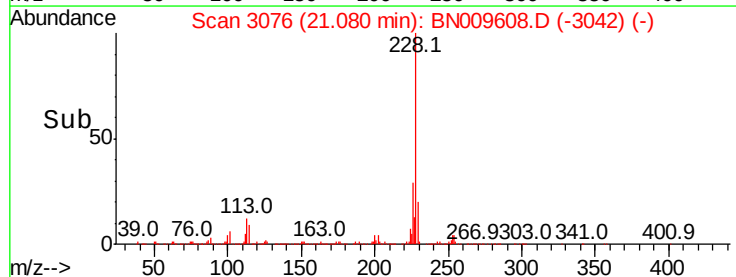
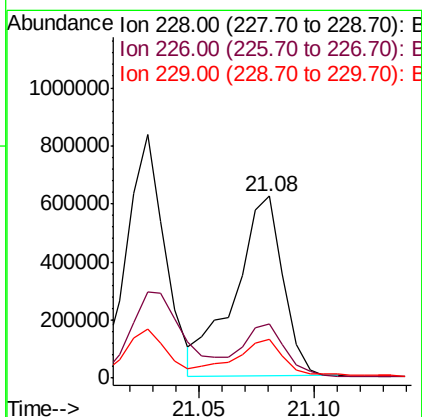
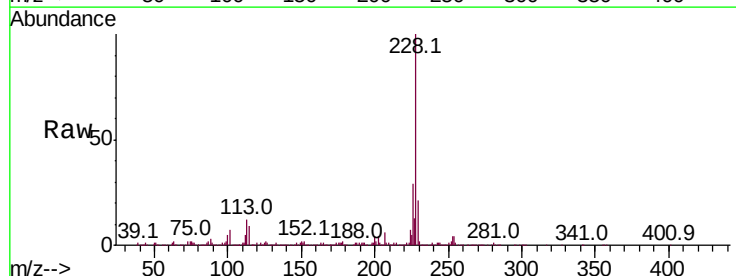
Instrument :
BNA_N
ClientSampleId :
GAT54

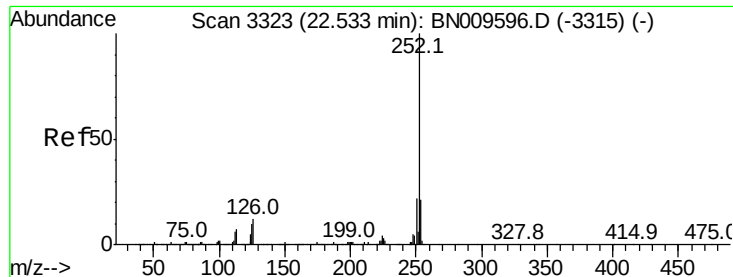
Tot Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.0	22.4
226	29.5	20.9	31.3



#84
Chrysene
Concen: 19.573 ng/ul
RT: 21.08 min Scan# 3076
Delta R.T. 0.00 min
Lab File: BN009608.D
Acq: 06 Feb 2020 13:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.5	35.3
229	21.0	15.8	23.8





#87

Benzo(b)fluoranthene

Concen: 5.021 ng/ul

RT: 22.69 min Scan# 3350

Delta R.T. 0.16 min

Lab File: BN009608.D

Acq: 06 Feb 2020 13:56

Instrument :

BNA_N

ClientSampleId :

GAT54

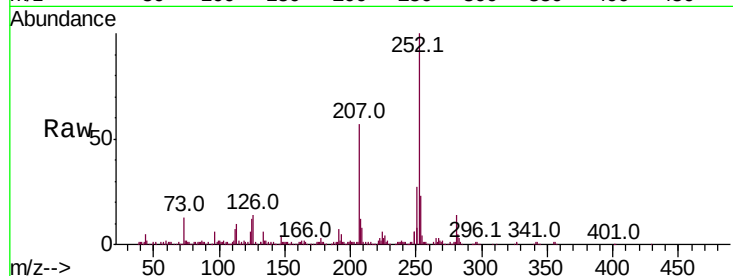
Tot Ion:252 Resp: 229237

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

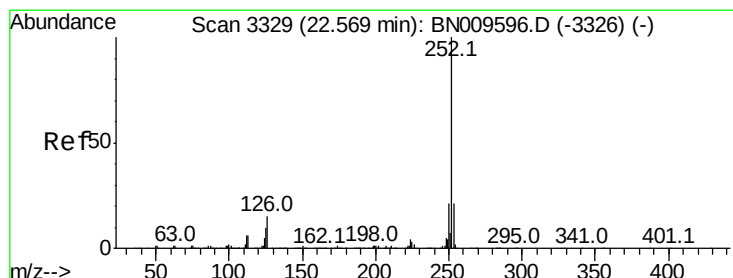
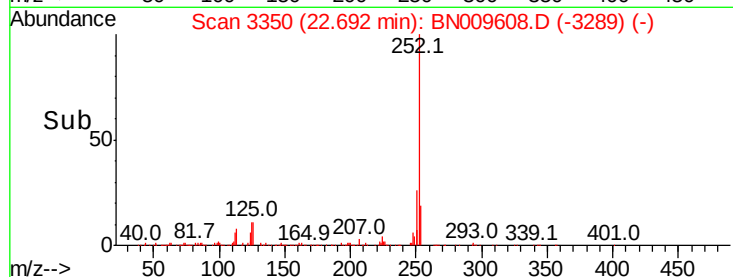
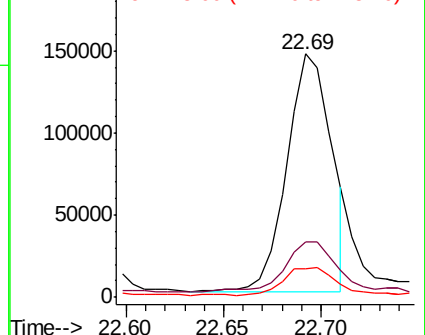
125 11.7 8.2 12.2



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: 5.744 ng/ul

RT: 22.69 min Scan# 3350

Delta R.T. 0.12 min

Lab File: BN009608.D

Acq: 06 Feb 2020 13:56

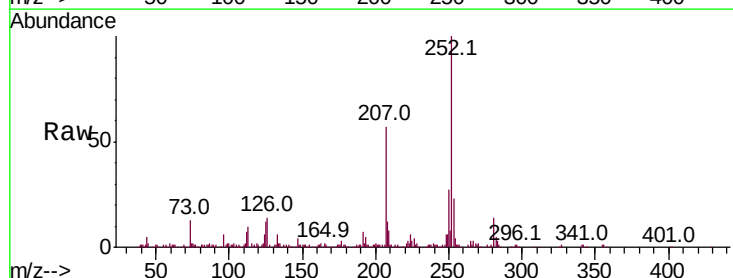
Tgt Ion:252 Resp: 258268

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

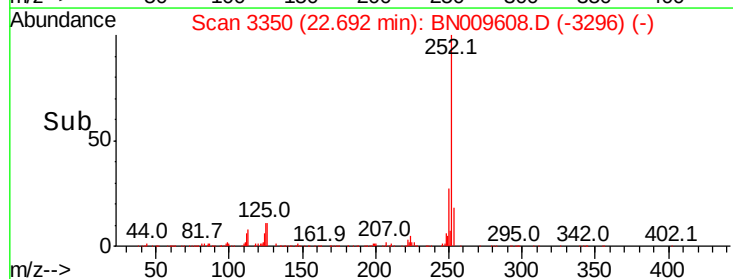
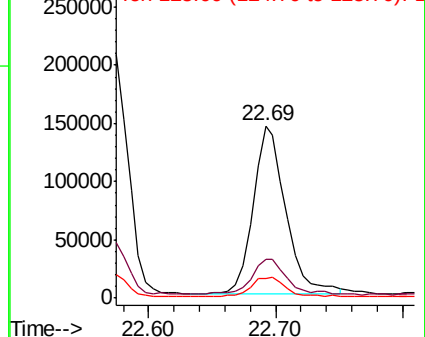
125 11.7 8.0 12.0

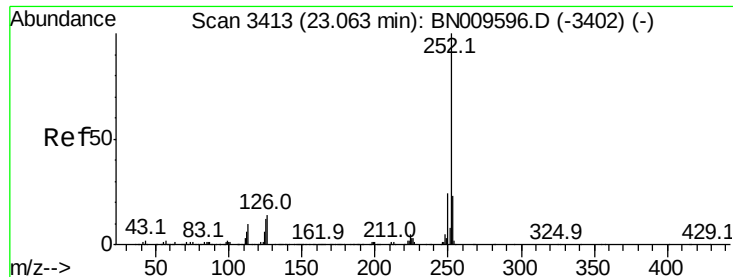


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

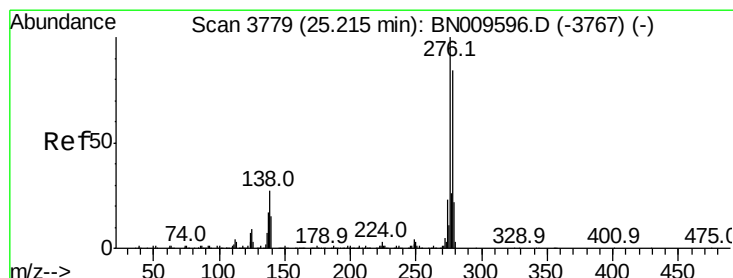
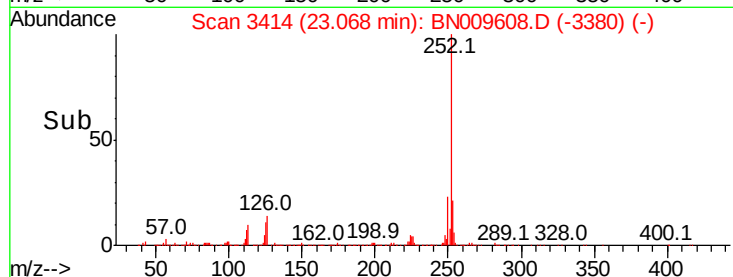
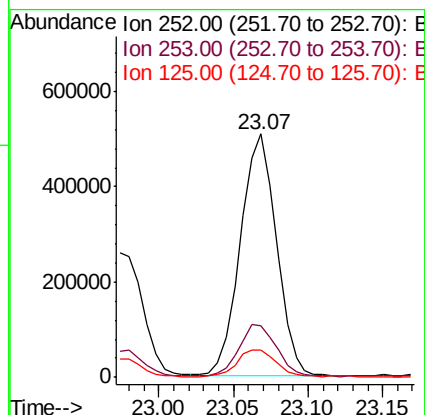
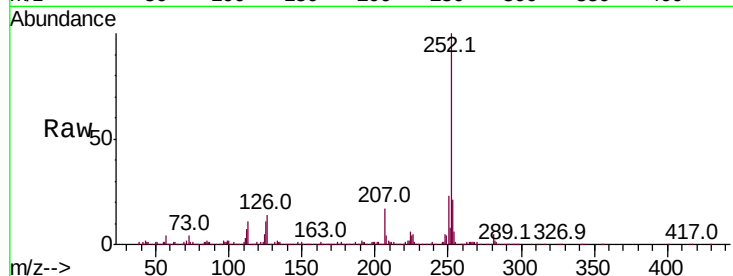




#90
Benzo(a)pyrene
Concen: 20.159 ng/ul
RT: 23.07 min Scan# 3414
Delta R.T. 0.00 min
Lab File: BN009608.D
Acq: 06 Feb 2020 13:56

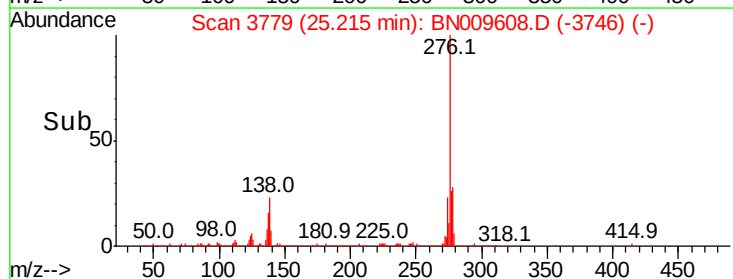
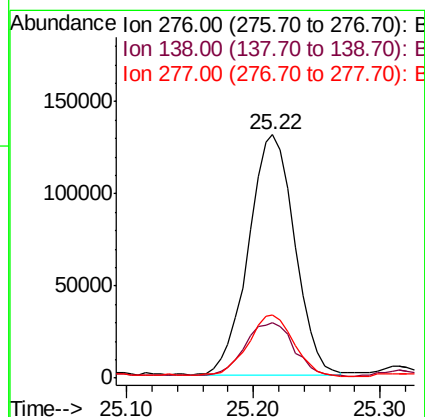
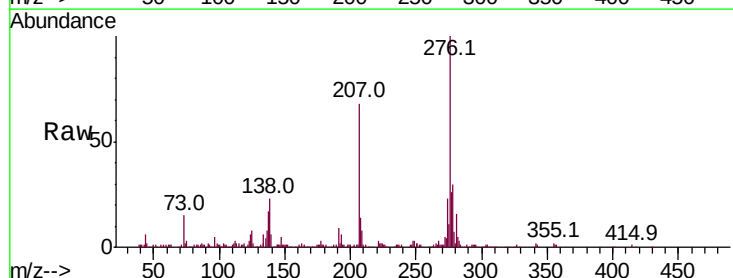
Instrument :
BNA_N
ClientSampleId :
GAT54

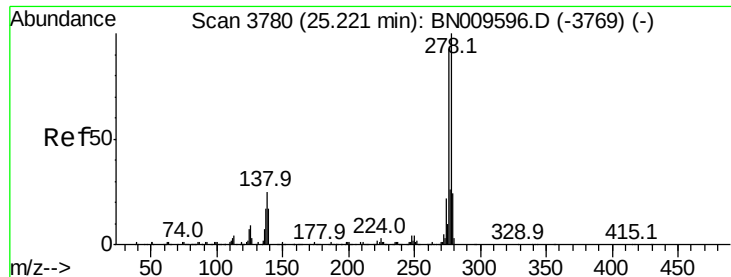
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	15.8	23.8
125	11.3	8.7	13.1



#91
Indeno(1,2,3-cd)pyrene
Concen: 6.552 ng/ul
RT: 25.22 min Scan# 3779
Delta R.T. -0.01 min
Lab File: BN009608.D
Acq: 06 Feb 2020 13:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	20.3	30.5
277	25.8	21.2	31.8





#92

Dibenzo(a,h)anthracene

Concen: 2.645 ng/ul

RT: 25.22 min Scan# 3780

Delta R.T. -0.01 min

Lab File: BN009608.D

Acq: 06 Feb 2020 13:56

Instrument :

BNA_N

ClientSampled :

GAT54

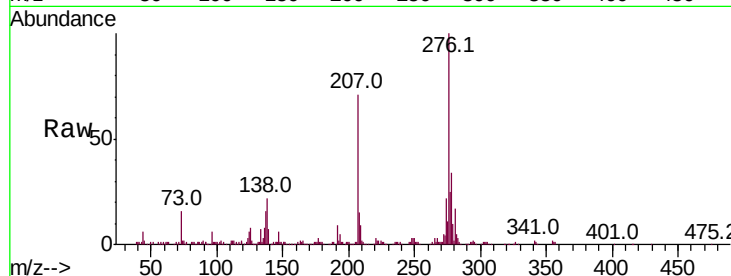
Tot Ion:278 Resp: 111970

Ion Ratio Lower Upper

278 100

139 19.6 12.7 19.1#

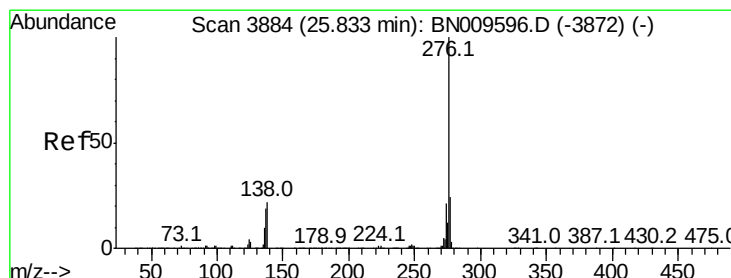
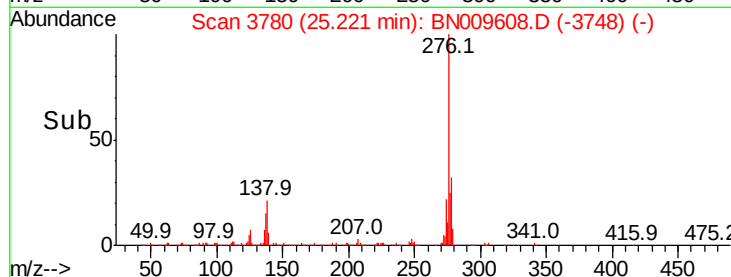
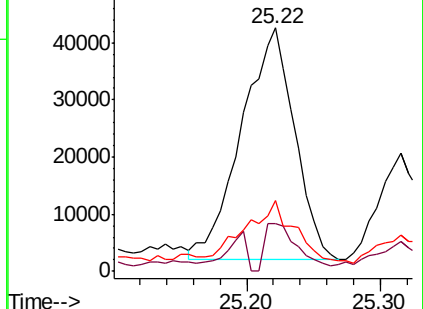
279 29.0 19.8 29.8



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: 7.194 ng/ul

RT: 25.84 min Scan# 3885

Delta R.T. -0.01 min

Lab File: BN009608.D

Acq: 06 Feb 2020 13:56

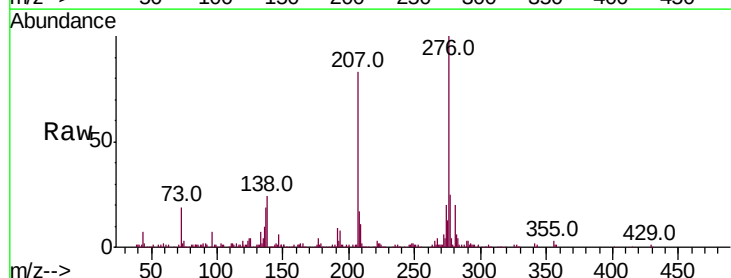
Tgt Ion:276 Resp: 303240

Ion Ratio Lower Upper

276 100

138 24.5 16.0 24.0#

277 25.1 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

