

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009621.D
 Acq On : 06 Feb 2020 22:12
 Operator : CG/JU
 Sample : L1324-17
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT72

Quant Time: Feb 07 02:07:48 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	194472	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.19	136	824307	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	494673	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	1013110	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	920495	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	1031952	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	7893	1.67	ng/uL	0.00
5) Phenol-d5	6.63	99	172299	10.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	121865	10.70	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	137499	11.01	ng/ul	-0.01
13) 4-Methylphenol-d8	8.15	113	137858	10.21	ng/ul	-0.01
19) Nitrobenzene-d5	8.58	128	67643	11.03	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.29	143	77204	11.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.82	165	139321	10.87	ng/ul	0.00
29) 4-Chloroaniline-d4	10.34	131	139777	10.14	ng/ul	0.00
43) Dimethylphthalate-d6	13.50	166	443325	12.28	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	533825	12.23	ng/ul	0.00
51) 4-Nitrophenol-d4	14.31	143	58058	8.51	ng/ul	0.00
57) Fluorene-d10	15.07	176	390304	12.29	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	43916	6.94	ng/ul	0.00
70) Anthracene-d10	16.93	188	576483	12.52	ng/ul	0.00
78) Pyrene-d10	19.24	212	644897	13.33	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	659126	12.97	ng/ul	0.00

Target Compounds

					Ovalue	
14) Acetophenone	8.26	105	35915	1.662	ng/ul	99
17) Hexachloroethane	8.46	117	9400	1.601	ng/ul#	8
28) Naphthalene	10.25	128	13582108	303.840	ng/ul	99
30) 4-Chloroaniline	10.25	127	1813823	127.466	ng/ul#	5
34) 2-Methylnaphthalene	11.86	142	3251327	103.934	ng/ul	99
40) 1,1'-Biphenyl	12.89	154	597816	15.522	ng/ul	98
44) Dimethylphthalate	13.55	163	47145	1.230	ng/ul#	96
47) Acenaphthylene	13.79	152	3201497	67.048	ng/ul	99
49) Acenaphthene	14.13	153	217771	6.709	ng/ul	98
53) Dibenzofuran	14.47	168	228926	5.064	ng/ul	97
58) Fluorene	15.13	166	1436550	38.027	ng/ul	99
69) Phenanthrene	16.87	178	6305537	109.137	ng/ul	98
71) Anthracene	16.96	178	1505994	25.689	ng/ul	99
74) Carbazole	17.24	167	82960	1.625	ng/ul#	91
76) Fluoranthene	18.90	202	3651892	55.381	ng/ul	99
79) Pyrene	19.27	202	7470823	111.179	ng/ul	98
82) Benzo(a)anthracene	21.08	228	1843171	29.001	ng/ul	93
84) Chrysene	21.08	228	1843171	29.131	ng/ul	98
87) Benzo(b)fluoranthene	22.55	252	2744614	42.510	ng/ul	97
88) Benzo(k)fluoranthene	22.55	252	2744614	43.165	ng/ul	97
90) Benzo(a)pyrene	23.07	252	2422818	40.502	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.23	276	1050206	14.767	ng/ul	92
92) Dibenzo(a,h)anthracene	25.22	278	301999	5.045	ng/ul#	82

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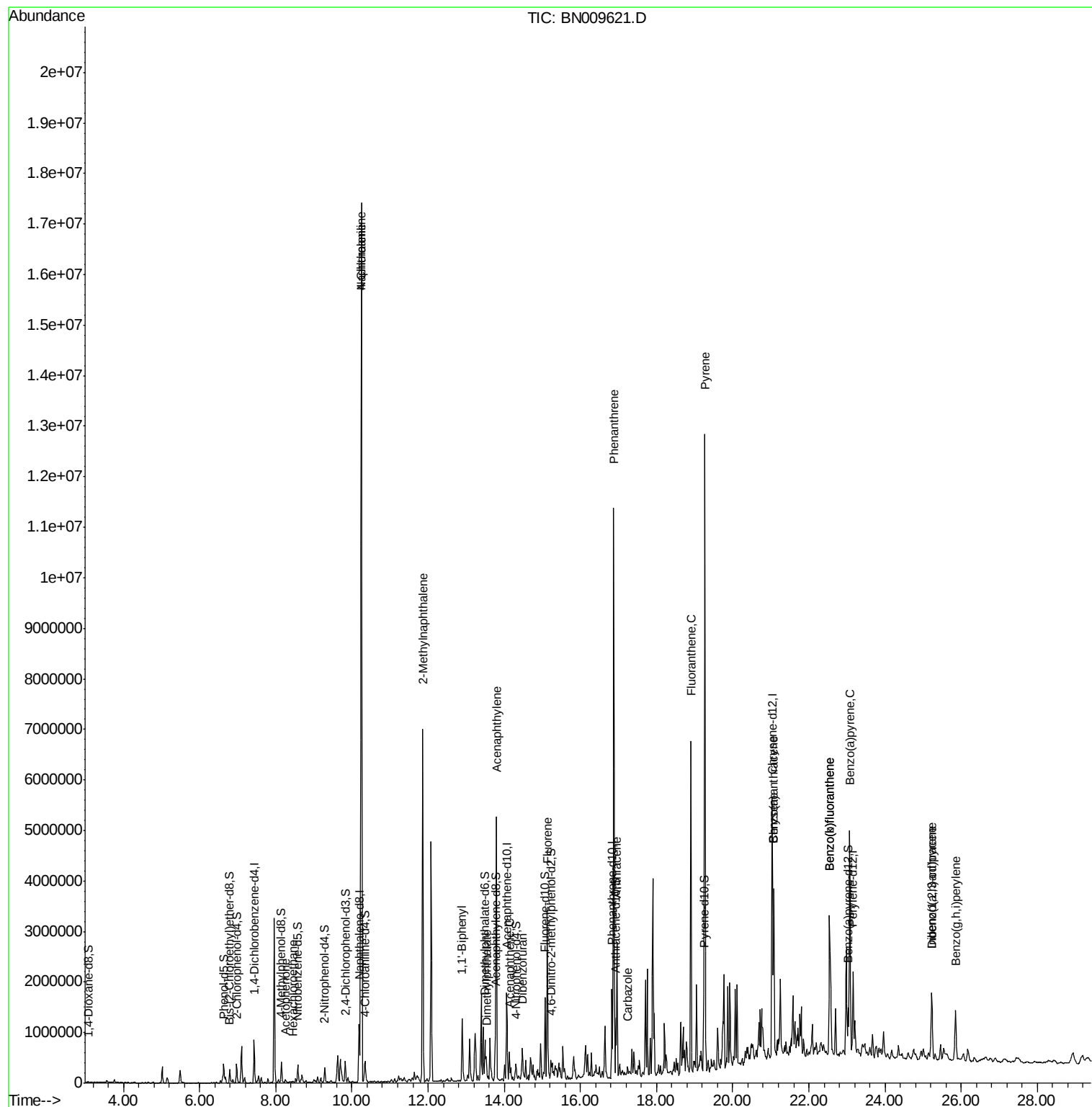
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(q,h,i)perylene	25.86	276	1034270	17.352	ng/ul	95

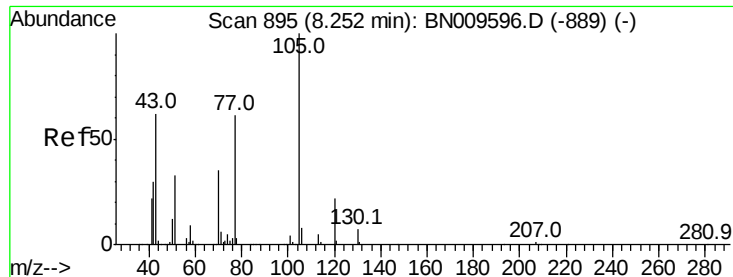
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 1.662 ng/ul

RT: 8.26 min Scan# 896

Delta R.T. 0.00 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

Instrument :

BNA_N

ClientSampleId :

GAT72

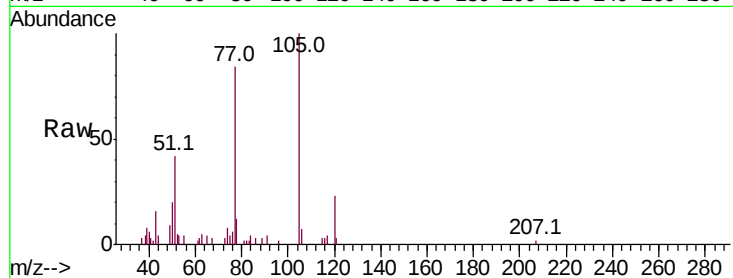
Tot Ion:105 Resp: 35915

Ion Ratio Lower Upper

105 100

77 83.5 67.7 101.5

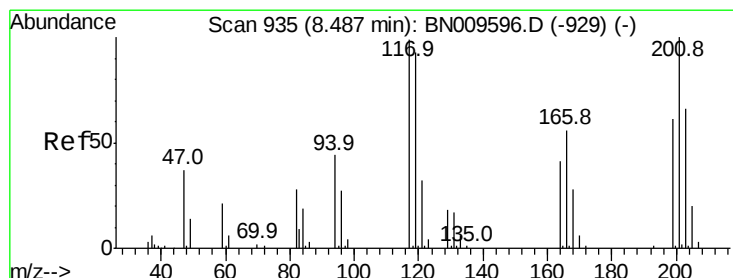
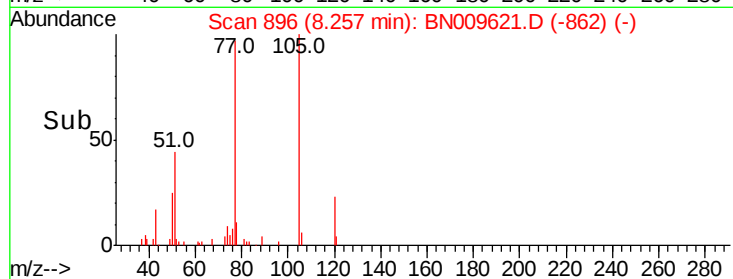
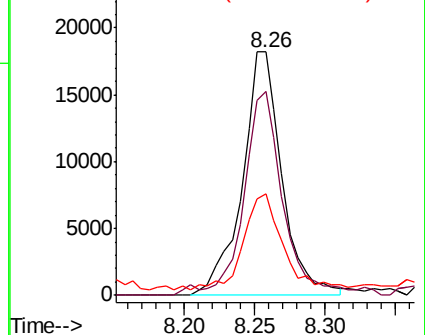
51 41.7 34.3 51.5



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNO

Ion 51.00 (50.70 to 51.70): BNO



#17

Hexachloroethane

Concen: 1.601 ng/ul

RT: 8.46 min Scan# 930

Delta R.T. -0.04 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

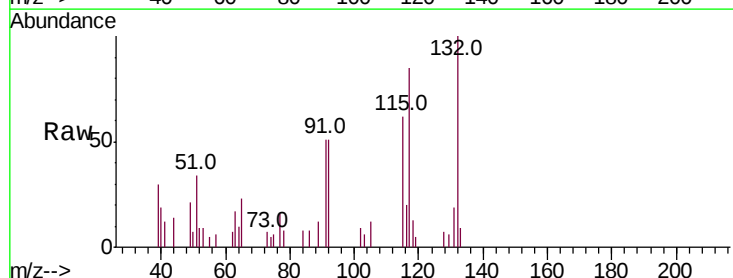
Tgt Ion:117 Resp: 9400

Ion Ratio Lower Upper

117 100

201 0.0 78.8 118.2#

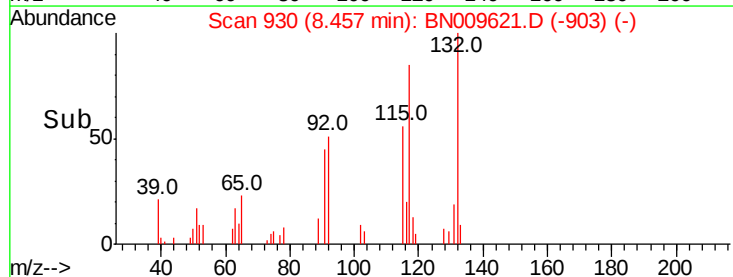
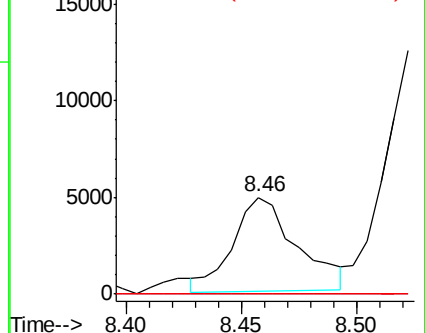
199 0.0 49.0 73.4#

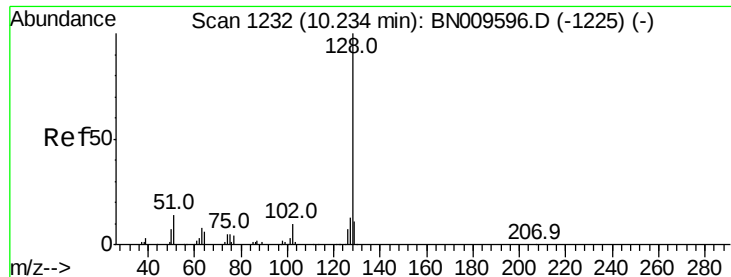


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

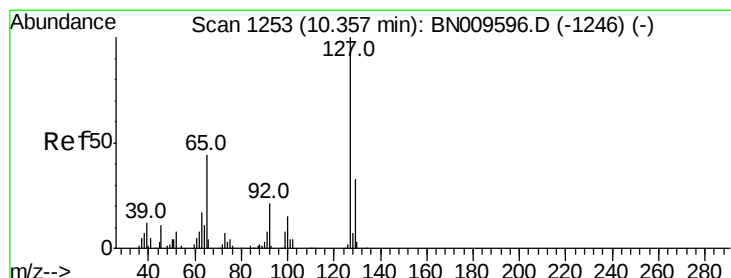
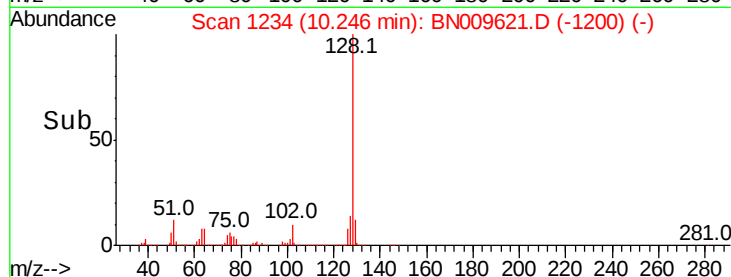
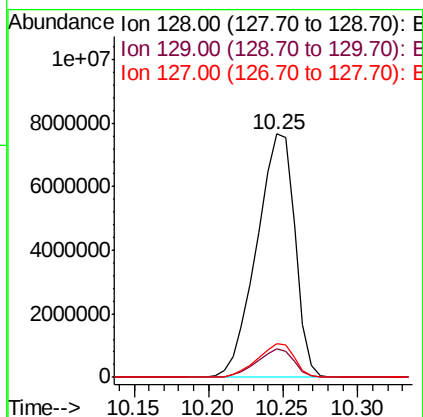
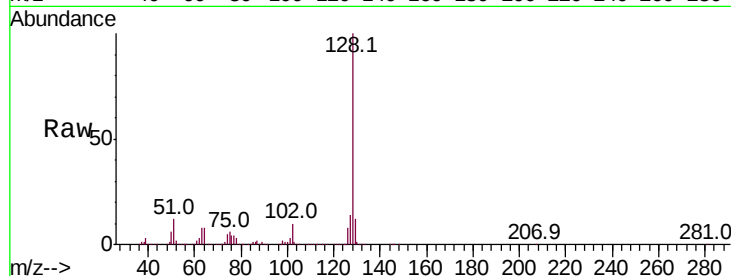




#28
Naphthalene
Concen: 303.840 ng/ul
RT: 10.25 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BN009621.D
Acq: 06 Feb 2020 22:12

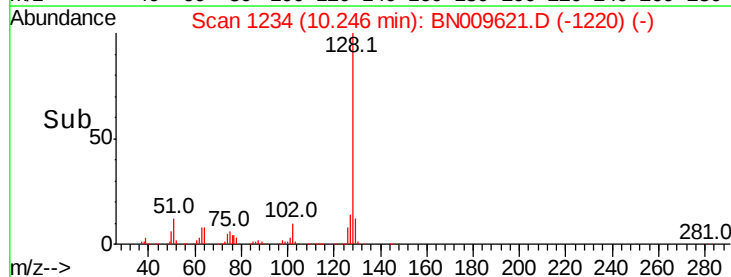
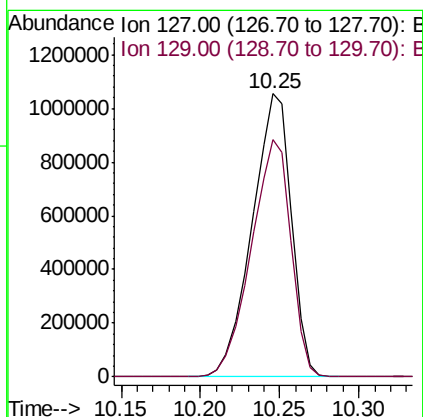
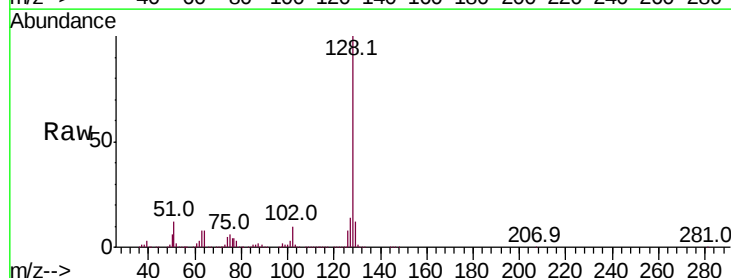
Instrument :
BNA_N
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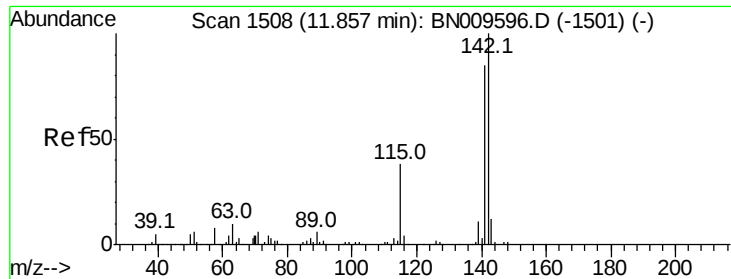
Tot Ion:128 Resp:13582108
Ion Ratio Lower Upper
128 100
129 11.5 8.7 13.1
127 13.8 10.7 16.1



#30
4-Chloroaniline
Concen: 127.466 ng/ul
RT: 10.25 min Scan# 1234
Delta R.T. -0.12 min
Lab File: BN009621.D
Acq: 06 Feb 2020 22:12

Tgt Ion:127 Resp: 1813823
Ion Ratio Lower Upper
127 100
129 83.9 25.2 37.8#

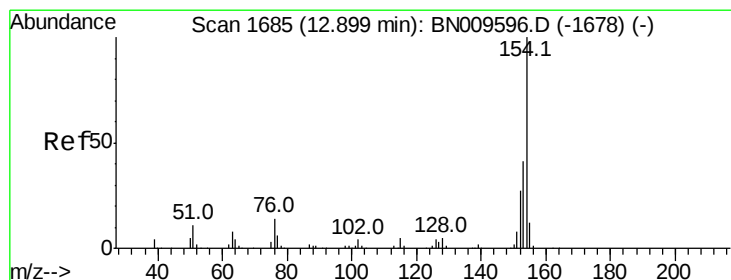
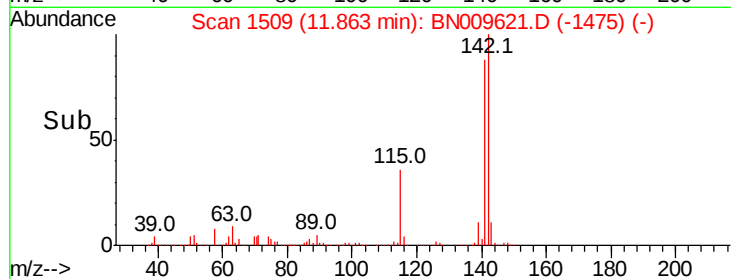
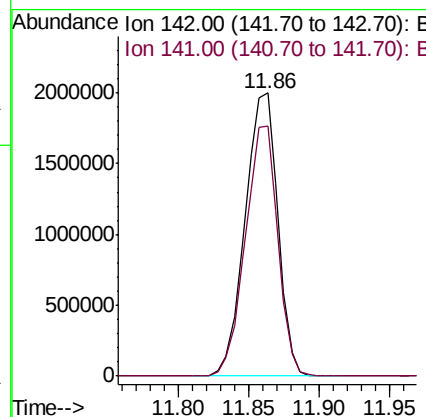
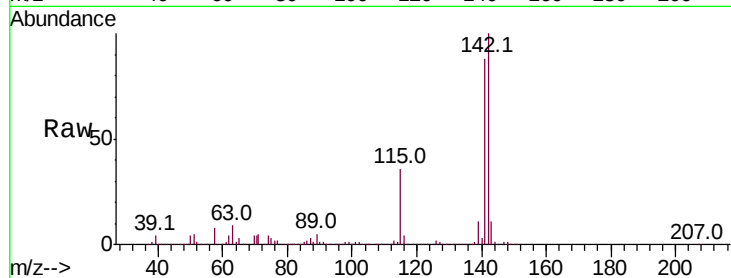




#34
 2-Methylnaphthalene
 Concen: 103.934 ng/ul
 RT: 11.86 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: BN009621.D
 Acq: 06 Feb 2020 22:12

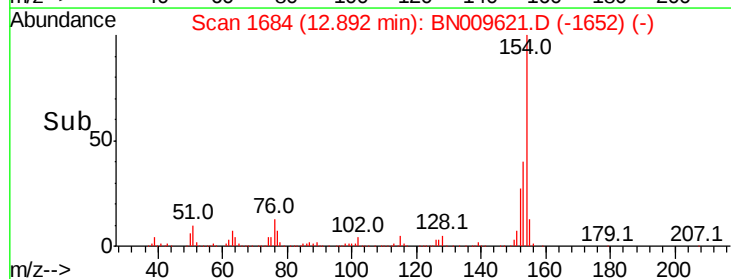
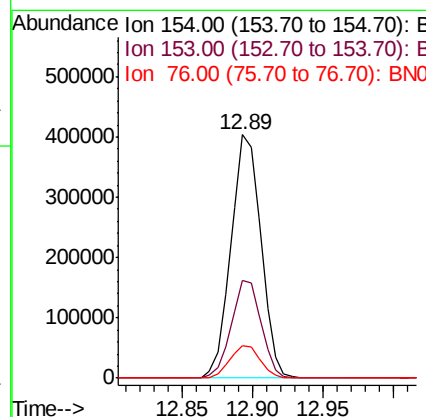
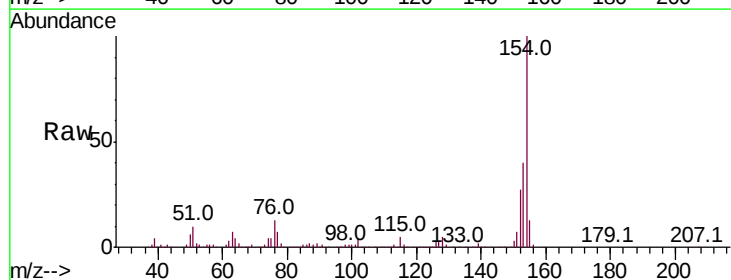
Instrument :
 BNA_N
 ClientSampleId :
 GAT72

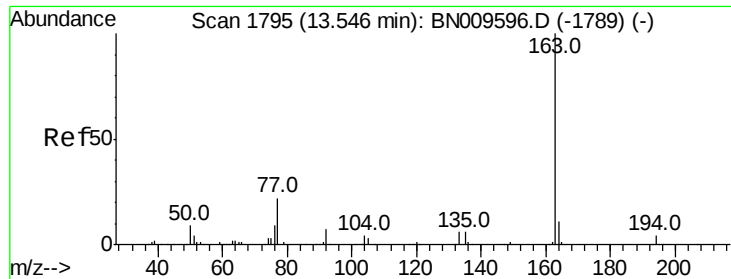
Tot Ion:142 Resp: 3251327
 Ion Ratio Lower Upper
 142 100
 141 88.4 71.5 107.3



#40
 1,1'-Biphenyl
 Concen: 15.522 ng/ul
 RT: 12.89 min Scan# 1684
 Delta R.T. -0.01 min
 Lab File: BN009621.D
 Acq: 06 Feb 2020 22:12

Tgt Ion:154 Resp: 597816
 Ion Ratio Lower Upper
 154 100
 153 40.1 31.2 46.8
 76 13.3 11.4 17.2





#44

Dimethylphthalate

Concen: 1.230 ng/ul

RT: 13.55 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

Instrument :

BNA_N

ClientSampleId :

GAT72

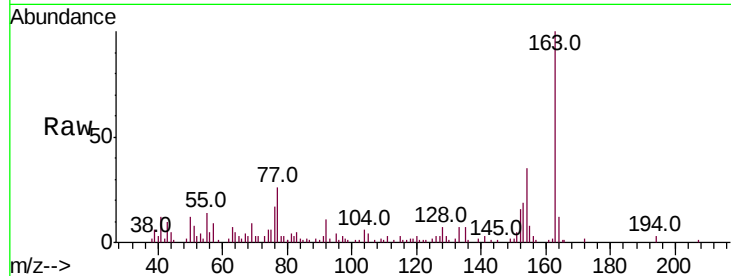
Tot Ion:163 Resp: 47145

Ion Ratio Lower Upper

163 100

194 3.5 3.5 5.3#

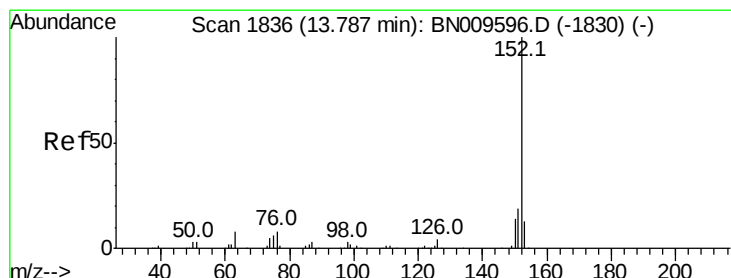
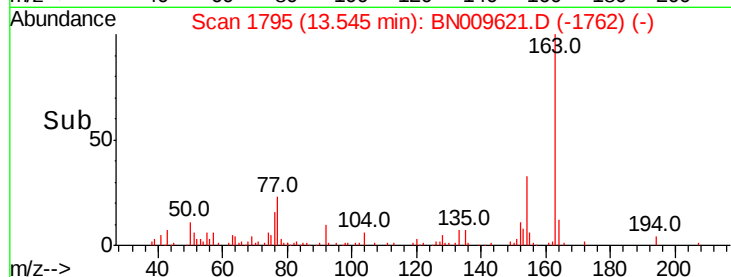
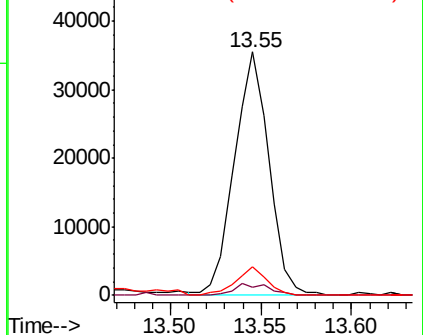
164 11.6 8.0 12.0



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: 67.048 ng/ul

RT: 13.79 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

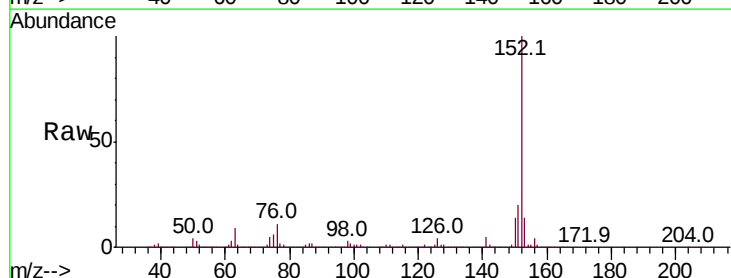
Tgt Ion:152 Resp: 3201497

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.2

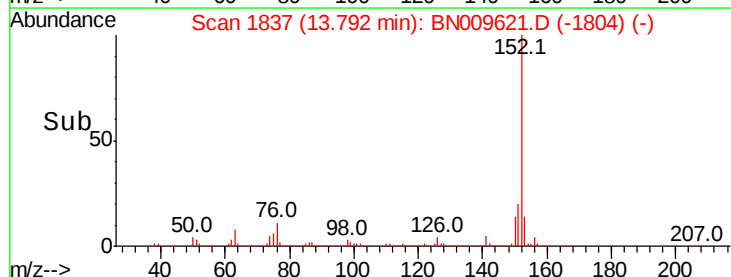
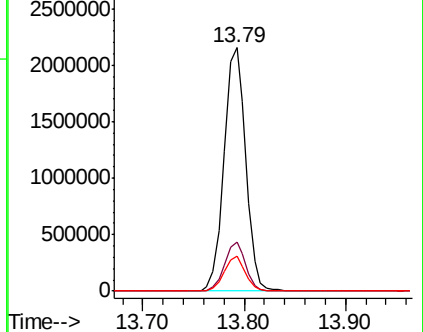
153 14.2 10.6 15.8

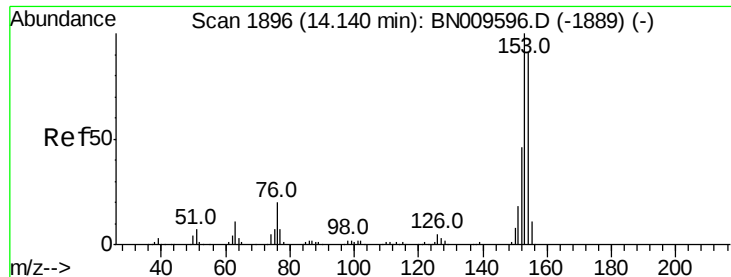


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 6.709 ng/ul

RT: 14.13 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BN009621.D

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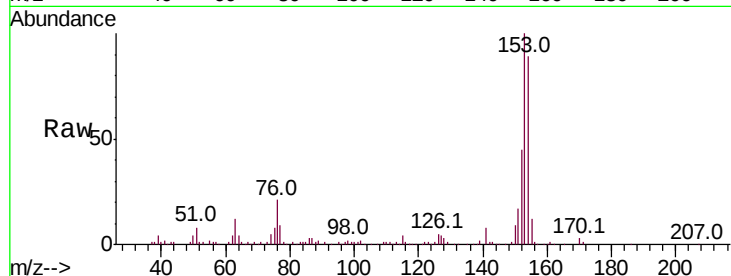
Tot Ion:153 Resp: 217771

Ion Ratio Lower Upper

153 100

152 45.2 37.3 55.9

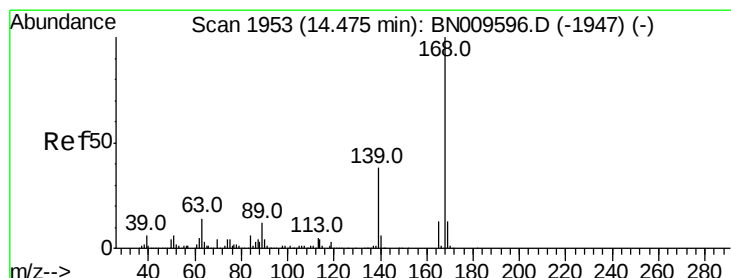
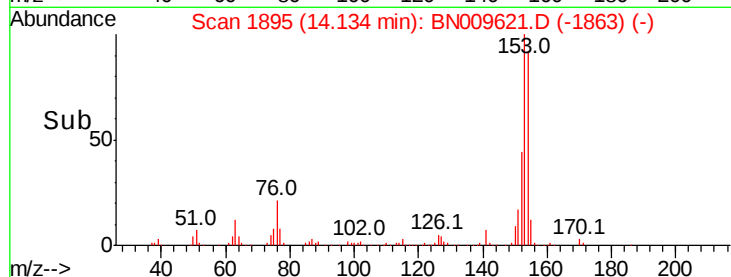
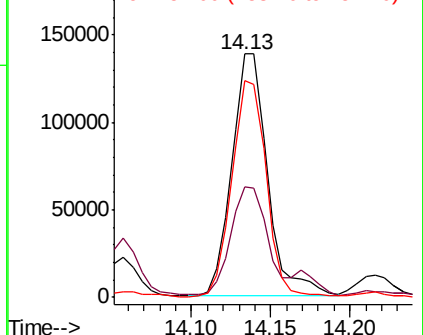
154 89.1 70.2 105.2



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: 5.064 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN009621.D

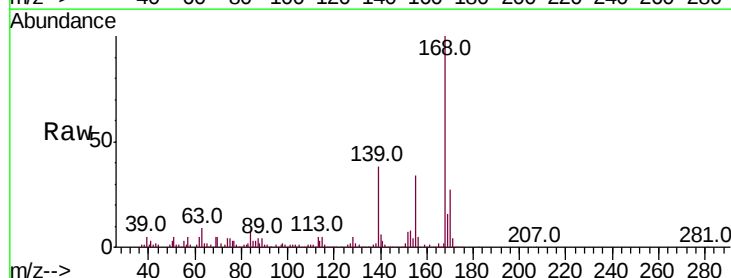
Acq: 06 Feb 2020 22:12

Tgt Ion:168 Resp: 228926

Ion Ratio Lower Upper

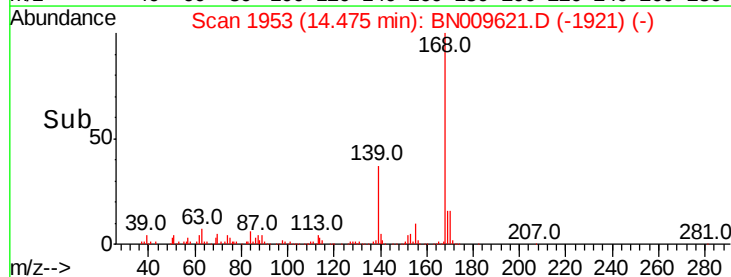
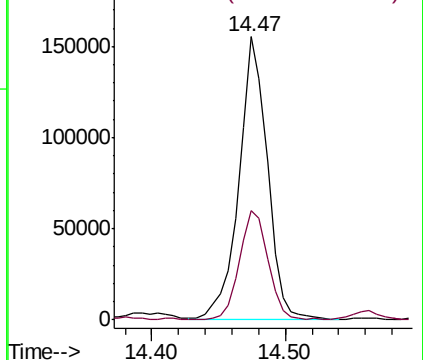
168 100

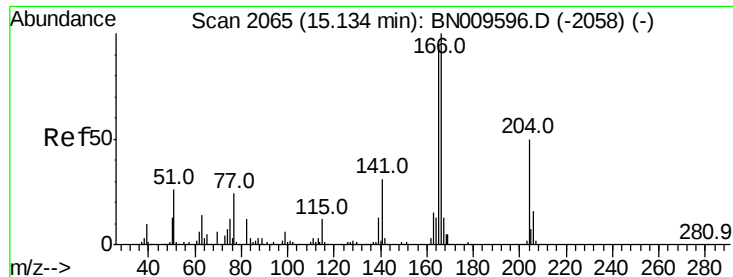
139 38.5 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 38.027 ng/ul

RT: 15.13 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

Instrument :

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ClientSampled :

GAT72

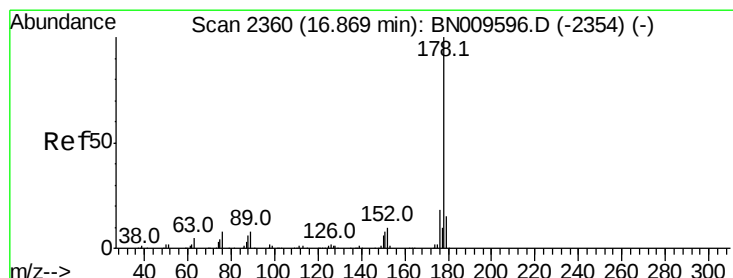
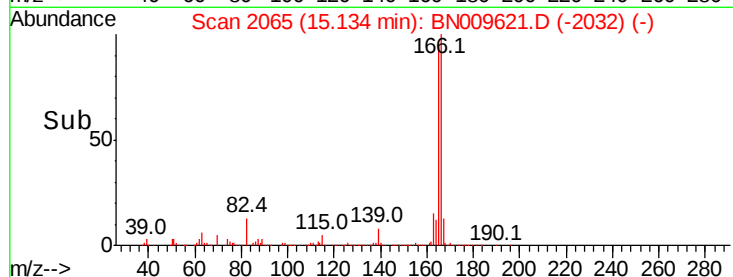
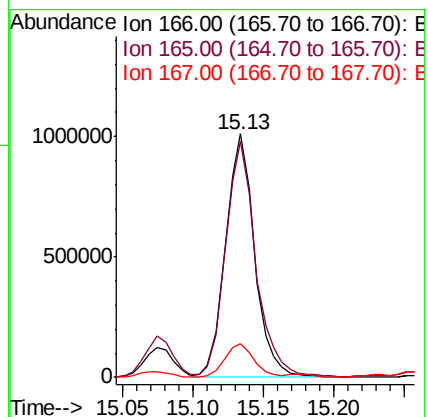
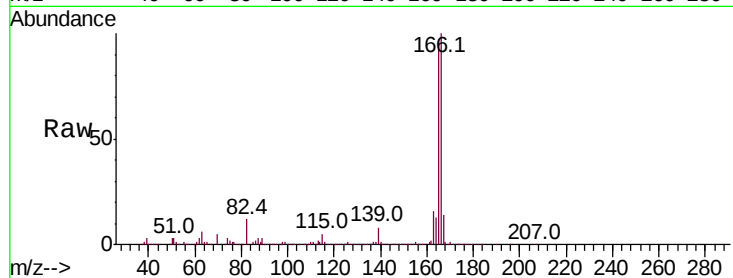
Tot Ion:166 Resp: 1436550

Ion Ratio Lower Upper

166 100

165 97.0 76.7 115.1

167 13.7 11.1 16.7



#69

Phenanthrene

Concen: 109.137 ng/ul

RT: 16.87 min Scan# 2361

Delta R.T. 0.00 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

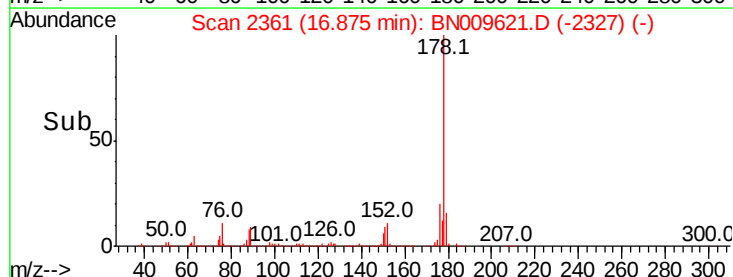
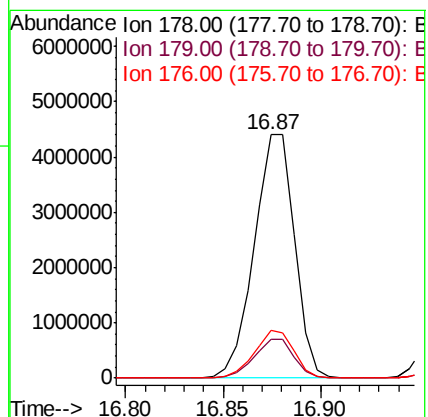
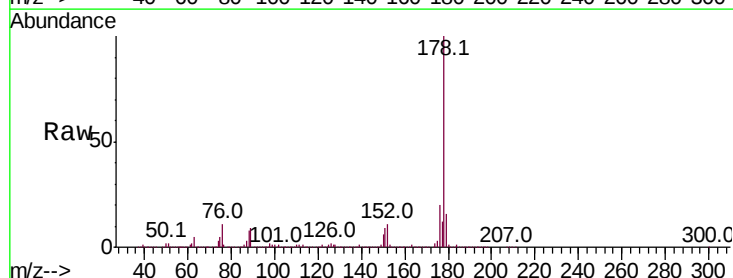
Tgt Ion:178 Resp: 6305537

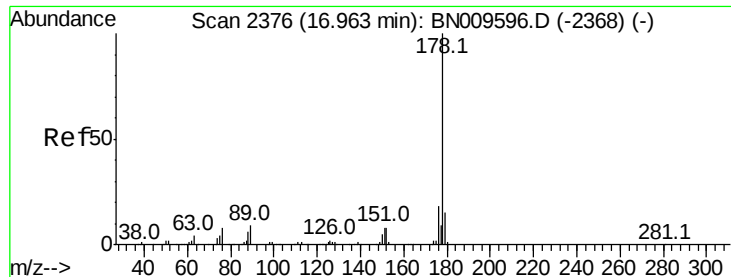
Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.2

176 19.8 14.8 22.2

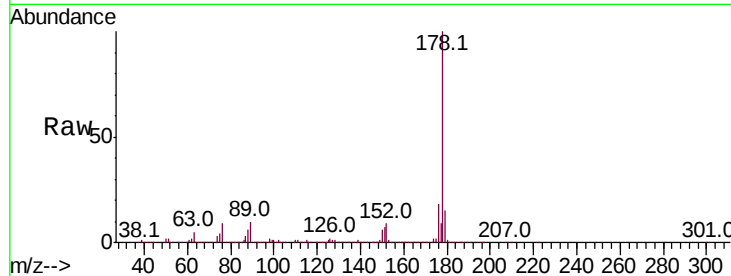




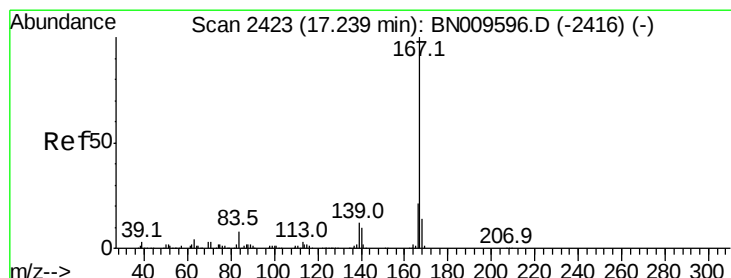
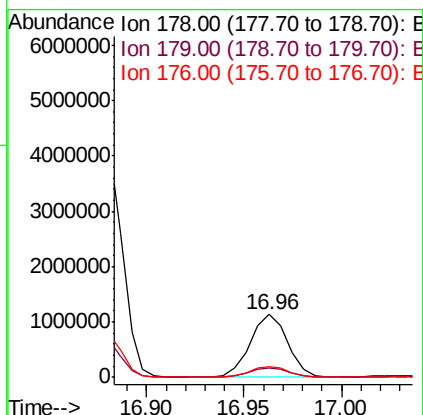
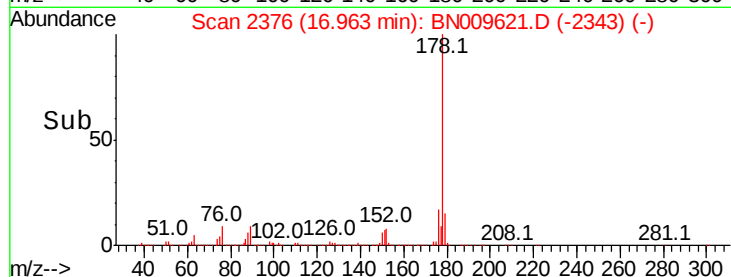
#71
 Anthracene
 Concen: 25.689 ng/ul
 RT: 16.96 min Scan# 2376
 Delta R.T. -0.01 min
 Lab File: BN009621.D
 Acq: 06 Feb 2020 22:12

Instrument :
 BNA_N
 ClientSampleId :
 GAT72

Tot Ion:178 Resp: 1505994
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.1 18.1
 176 17.5 14.6 21.8

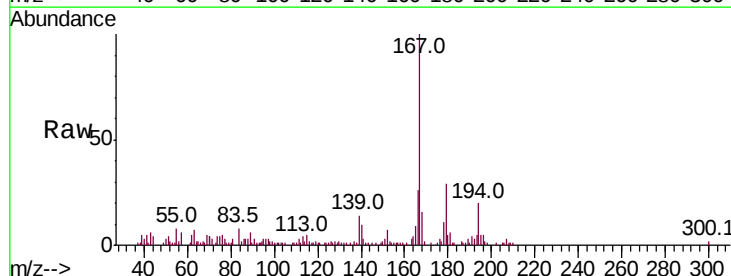


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

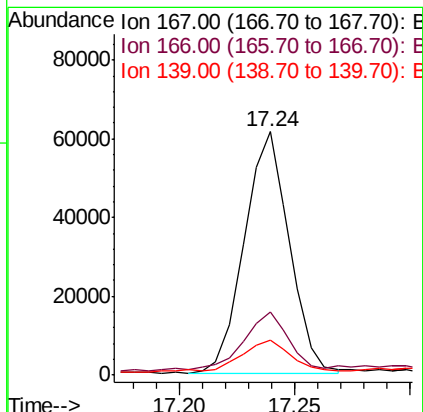
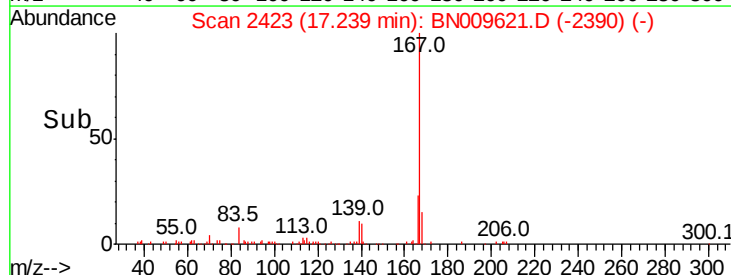


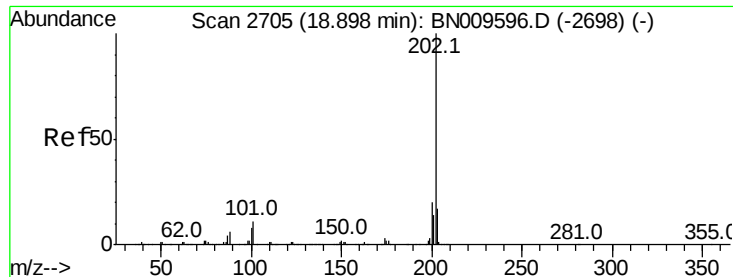
#74
 Carbazole
 Concen: 1.625 ng/ul
 RT: 17.24 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BN009621.D
 Acq: 06 Feb 2020 22:12

Tgt Ion:167 Resp: 82960
 Ion Ratio Lower Upper
 167 100
 166 25.7 16.2 24.4#
 139 14.4 10.4 15.6



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

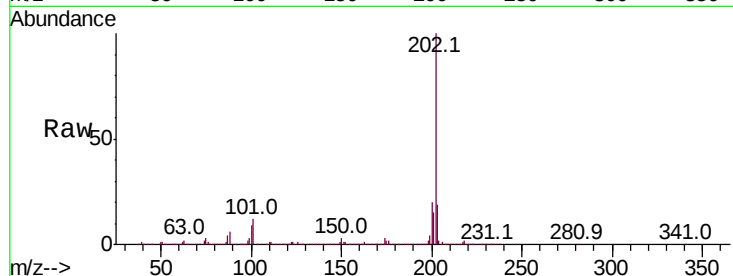




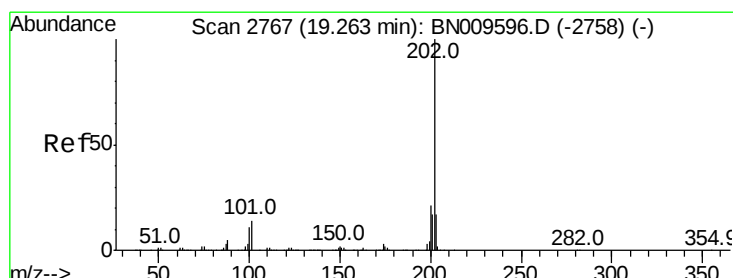
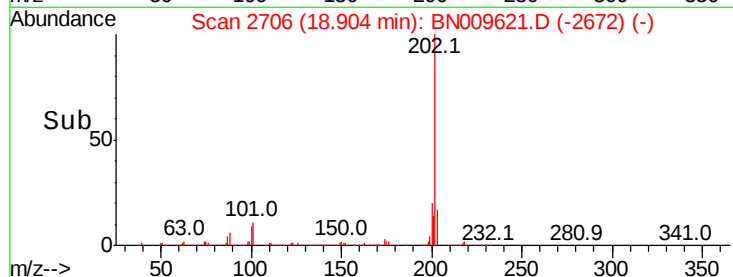
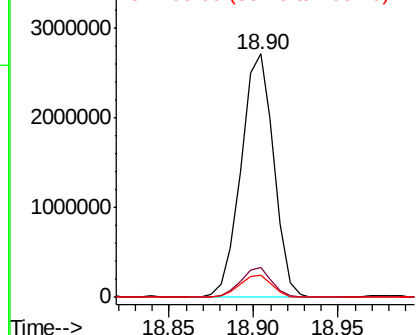
#76
Fluoranthene
Concen: 55.381 ng/ul
RT: 18.90 min Scan# 2706
Delta R.T. 0.00 min
Lab File: BN009621.D
Acq: 06 Feb 2020 22:12

Instrument :
BNA_N
ClientSampleId :
GAT72

Tot Ion:202 Resp: 3651892
Ion Ratio Lower Upper
202 100
101 12.2 9.2 13.8
100 9.0 6.9 10.3

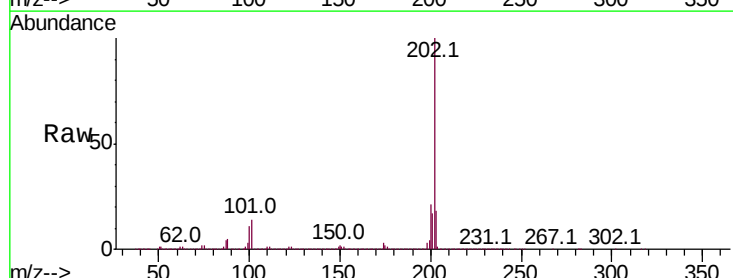


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

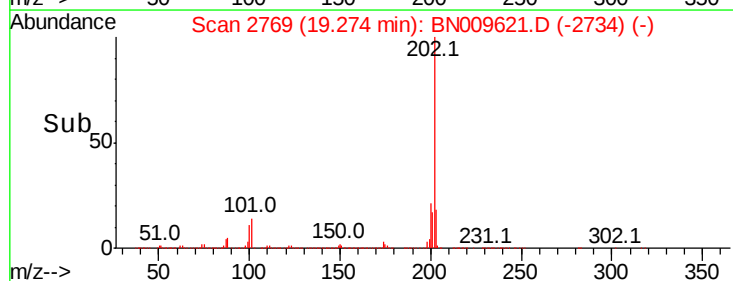
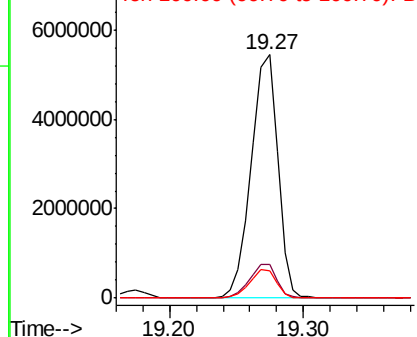


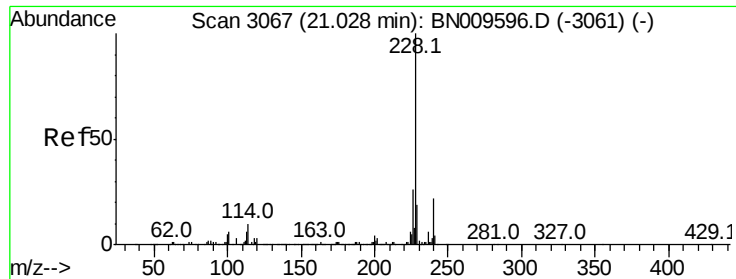
#79
Pyrene
Concen: 111.179 ng/ul
RT: 19.27 min Scan# 2769
Delta R.T. 0.01 min
Lab File: BN009621.D
Acq: 06 Feb 2020 22:12

Tgt Ion:202 Resp: 7470823
Ion Ratio Lower Upper
202 100
101 13.8 10.3 15.5
100 11.2 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





#82

Benzo(a)anthracene

Concen: 29.001 ng/ul

RT: 21.08 min Scan# 3076

Delta R.T. 0.05 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

Instrument :

BNA_N

ClientSampleId :

GAT72

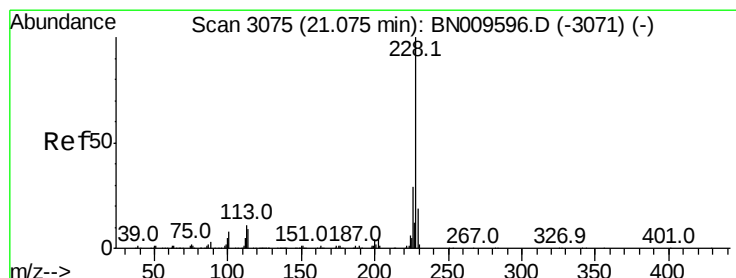
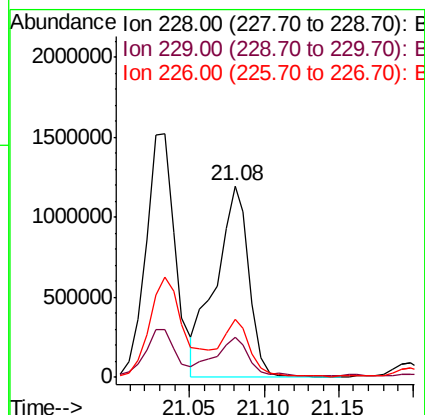
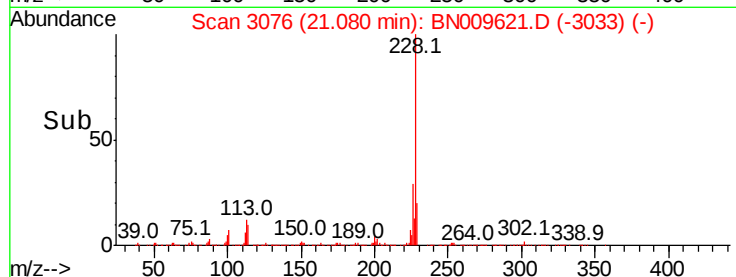
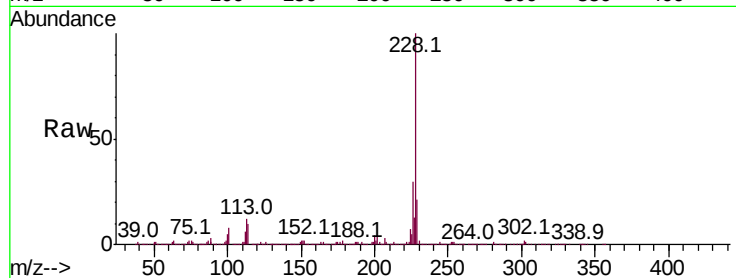
Tot Ion:228 Resp: 1843171

Ion Ratio Lower Upper

228 100

229 21.0 15.0 22.4

226 30.1 20.9 31.3



#84

Chrysene

Concen: 29.131 ng/ul

RT: 21.08 min Scan# 3076

Delta R.T. 0.00 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

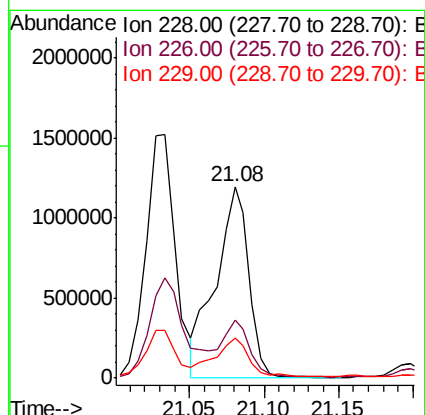
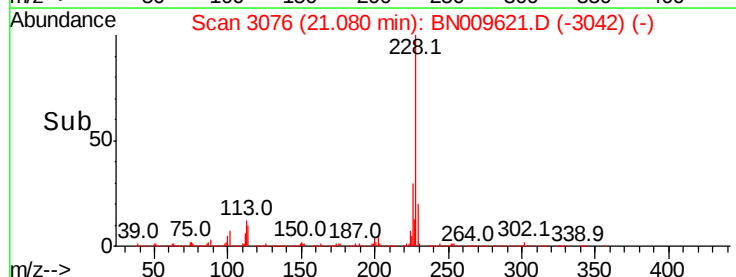
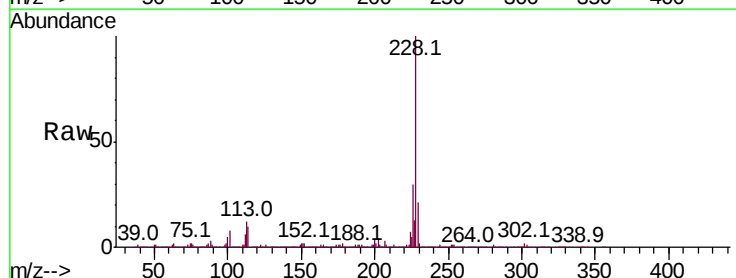
Tgt Ion:228 Resp: 1843171

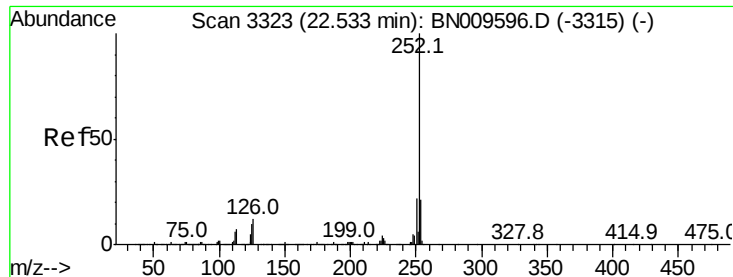
Ion Ratio Lower Upper

228 100

226 30.1 23.5 35.3

229 21.0 15.8 23.8





#87

Benzo(b)fluoranthene

Concen: 42.510 ng/ul

RT: 22.55 min Scan# 3326

Delta R.T. 0.02 min

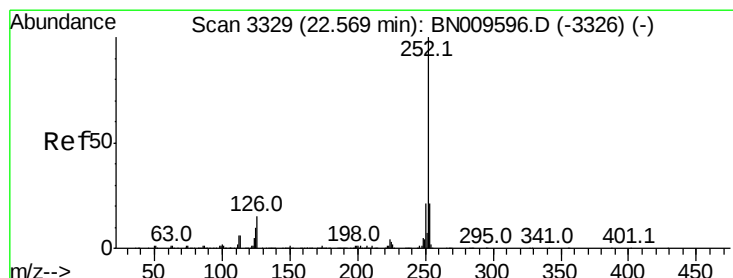
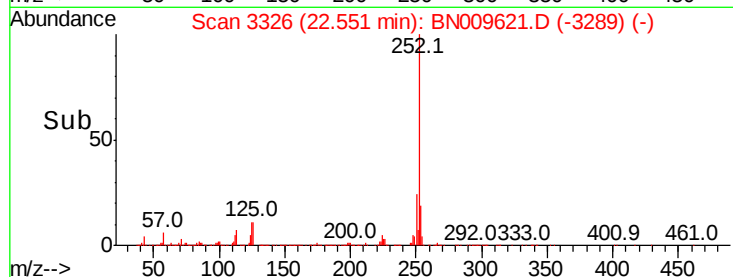
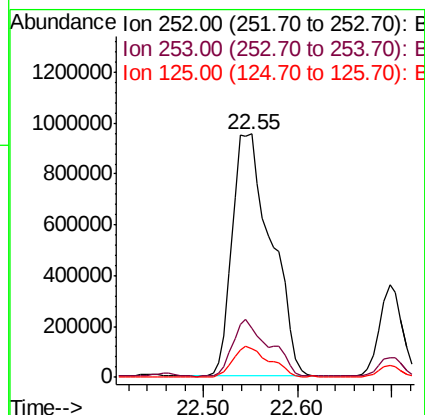
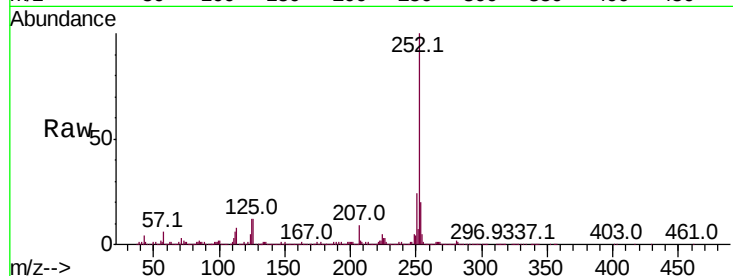
Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

Instrument :
BNA_N
ClientSampleId :
GAT72

Tot Ion:252 Resp: 2744614

Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.0	25.6
125	11.5	8.2	12.2



#88

Benzo(k)fluoranthene

Concen: 43.165 ng/ul

RT: 22.55 min Scan# 3326

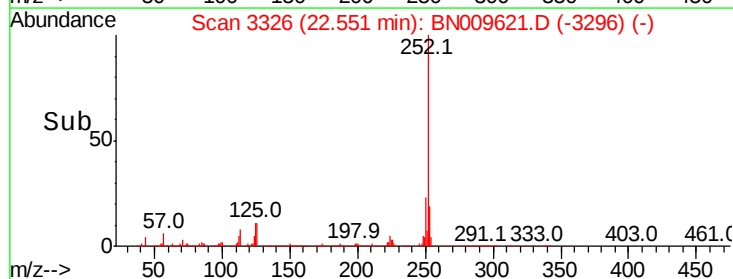
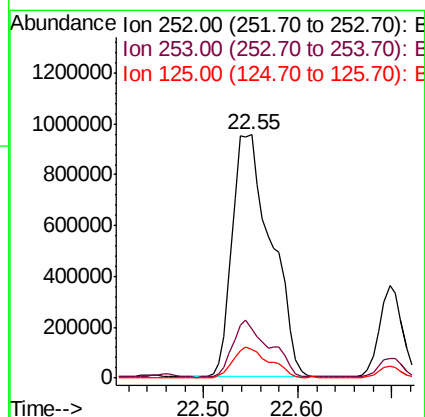
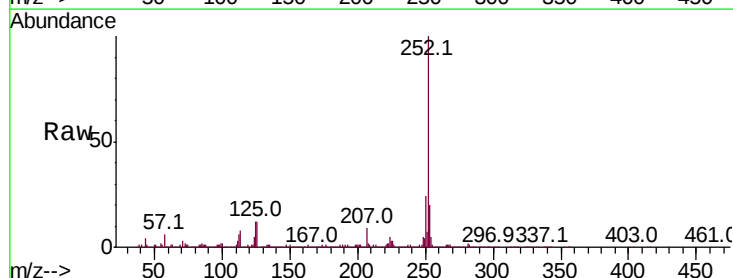
Delta R.T. -0.02 min

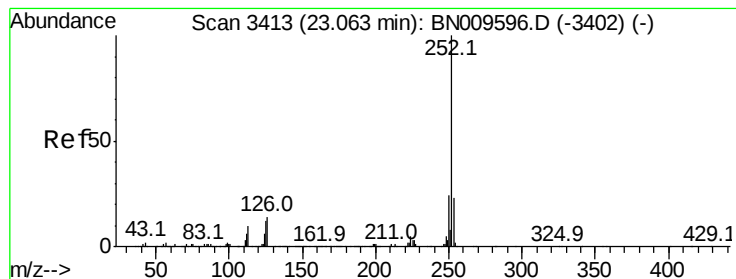
Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

Tgt Ion:252 Resp: 2744614

Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.0	25.4
125	11.5	8.0	12.0





#90

Benzo(a)pyrene

Concen: 40.502 ng/ul

RT: 23.07 min Scan# 3415

Delta R.T. 0.01 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

Instrument :

BNA_N

ClientSampleId :

GAT72

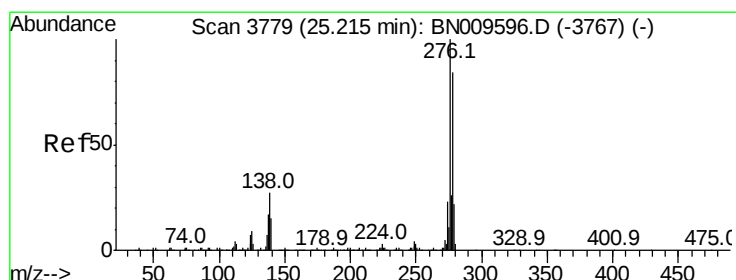
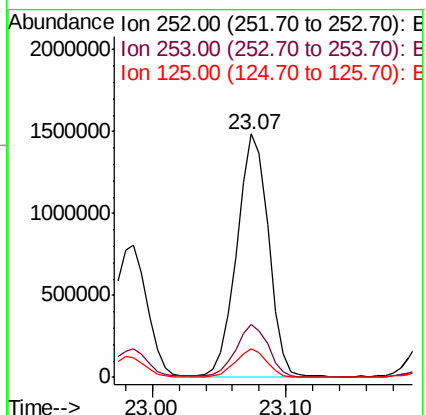
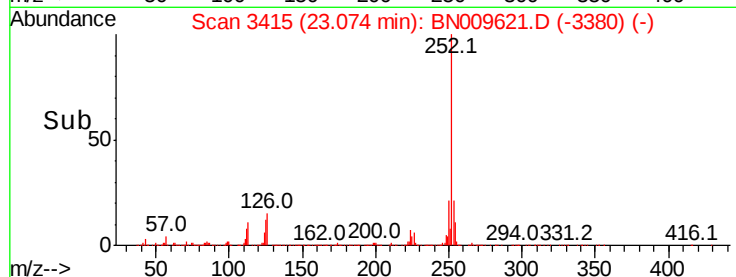
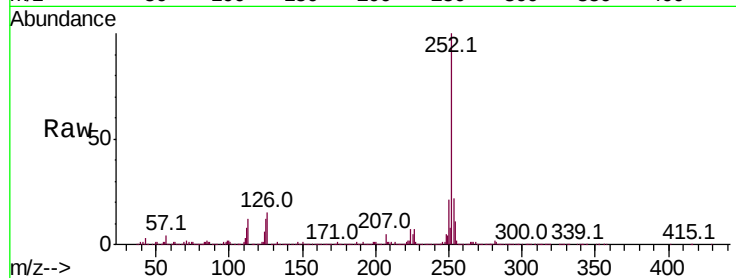
Tot Ion:252 Resp: 2422818

Ion Ratio Lower Upper

252 100

253 21.7 15.8 23.8

125 11.7 8.7 13.1



#91

Indeno(1,2,3-cd)pyrene

Concen: 14.767 ng/ul

RT: 25.23 min Scan# 3781

Delta R.T. 0.01 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

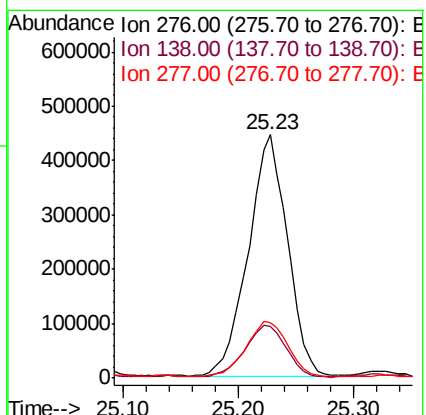
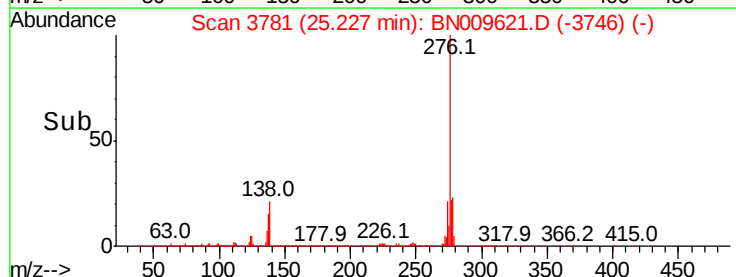
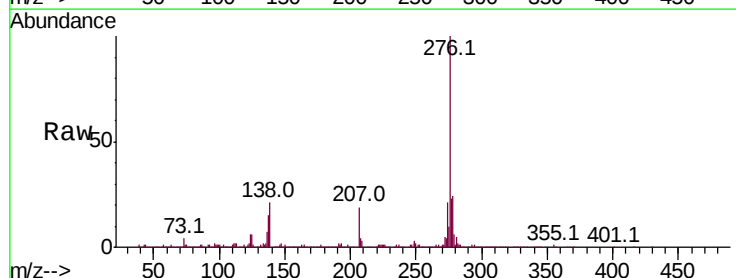
Tgt Ion:276 Resp: 1050206

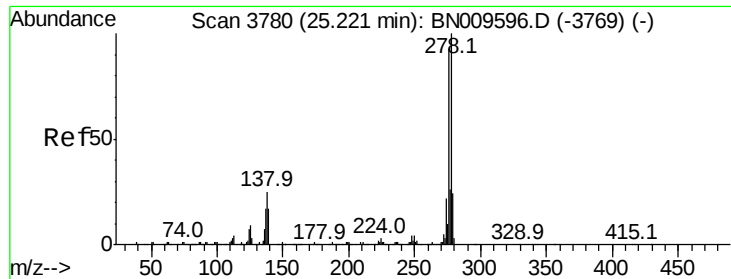
Ion Ratio Lower Upper

276 100

138 21.3 20.3 30.5

277 22.7 21.2 31.8





#92

Dibenzo(a,h)anthracene

Concen: 5.045 ng/ul

RT: 25.22 min Scan# 3780

Delta R.T. -0.01 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

Instrument :

BNA_N

ClientSampleId :

GAT72

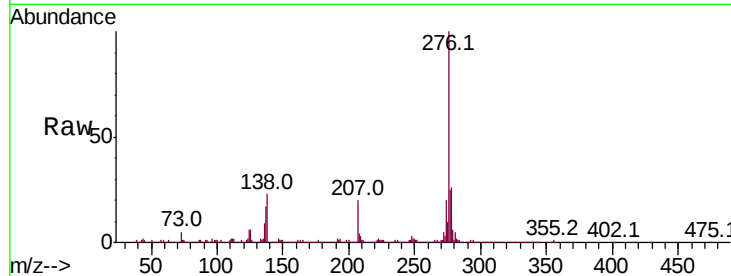
Tot Ion:278 Resp: 301999

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

279 22.5 19.8 29.8

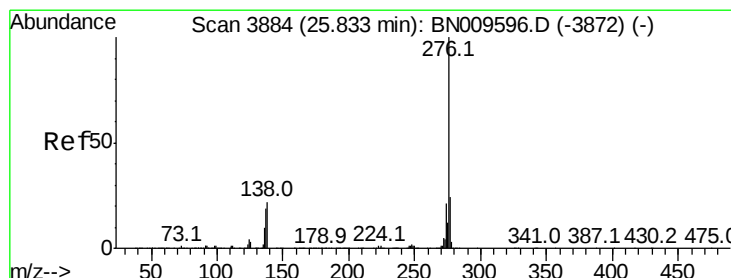
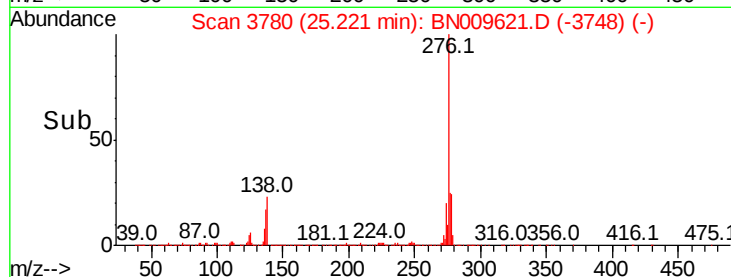
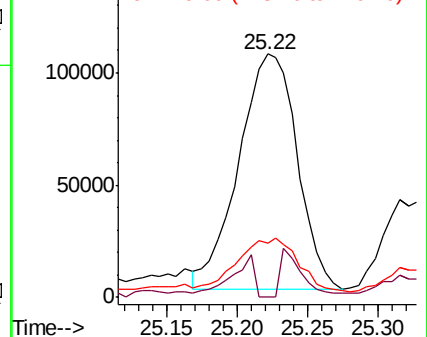


Abundance

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: 17.352 ng/ul

RT: 25.86 min Scan# 3888

Delta R.T. 0.01 min

Lab File: BN009621.D

Acq: 06 Feb 2020 22:12

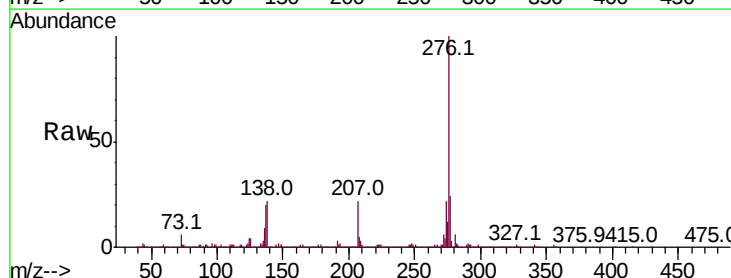
Tgt Ion:276 Resp: 1034270

Ion Ratio Lower Upper

276 100

138 22.1 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

