

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009617.D
 Acq On : 06 Feb 2020 19:47
 Operator : CG/JU
 Sample : L1323-04 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT44

Quant Time: Feb 06 21:10:09 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	148594	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.19	136	610305	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.09	164	351975	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.84	188	692979	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	627235	20.00	ng/ul	0.00
85) Perylene-d12	23.17	264	706041	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	4473	1.24	ng/uL	0.01
5) Phenol-d5	6.64	99	46412	3.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	33820	3.89	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	37051	3.88	ng/ul	-0.01
13) 4-Methylphenol-d8	8.15	113	35567	3.45	ng/ul	-0.01
19) Nitrobenzene-d5	8.58	128	18676	4.11	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.29	143	20256	4.00	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.82	165	37319	3.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.31	131	104274	10.22	ng/ul	-0.03
43) Dimethylphthalate-d6	13.40	166	411838	16.03	ng/ul	-0.10
46) Acenaphthylene-d8	13.77	160	110140	3.55	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	65325	13.46	ng/ul	0.00
57) Fluorene-d10	15.09	176	85370	3.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.20	200	36129	8.35	ng/ul	-0.02
70) Anthracene-d10	16.94	188	133619	4.24	ng/ul	0.00
78) Pyrene-d10	19.25	212	135978	4.12	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	137680	3.96	ng/ul	0.01

Target Compounds

					Ovalue	
4) Benzaldehyde	6.61	77	16608	1.868	ng/ul#	1
12) 2,2'-oxybis(1-Chloropropan	7.98	45	27918	1.080	ng/ul#	1
14) Acetophenone	8.26	105	61752	3.739	ng/ul	98
17) Hexachloroethane	8.46	117	160673	35.818	ng/ul#	8
20) Nitrobenzene	8.62	77	14204	1.090	ng/ul#	1
21) Isophorone	9.12	82	41568	1.773	ng/ul#	1
23) 2-Nitrophenol	9.34	139	6606	1.197	ng/ul#	1
28) Naphthalene	10.23	128	47904	1.447	ng/ul#	75
32) Caprolactam	11.13	113	27039	8.377	ng/ul#	1
33) 4-Chloro-3-methylphenol	11.47	107	12686	1.130	ng/ul#	28
34) 2-Methylnaphthalene	11.86	142	53175	2.296	ng/ul	95
40) 1,1'-Biphenyl	12.94	154	73347	2.676	ng/ul#	54
42) 2-Nitroaniline	13.16	65	11683	1.502	ng/ul#	50
44) Dimethylphthalate	13.55	163	39262	1.440	ng/ul#	17
45) 2,6-Dinitrotoluene	13.70	165	16289	3.059	ng/ul#	8
47) Acenaphthylene	13.80	152	124598	3.667	ng/ul#	48
48) 3-Nitroaniline	13.99	138	8102	1.676	ng/ul#	1
49) Acenaphthene	14.15	153	72058	3.120	ng/ul#	83
52) 4-Nitrophenol	14.35	109	23295	5.365	ng/ul#	10
53) Dibenzofuran	14.49	168	52200	1.623	ng/ul#	1
54) 2,4-Dinitrotoluene	14.46	165	11081	1.419	ng/ul#	85
58) Fluorene	15.14	166	121170	4.508	ng/ul#	80
64) N-Nitrosodiphenylamine	15.37	169	179984	8.690	ng/ul#	45

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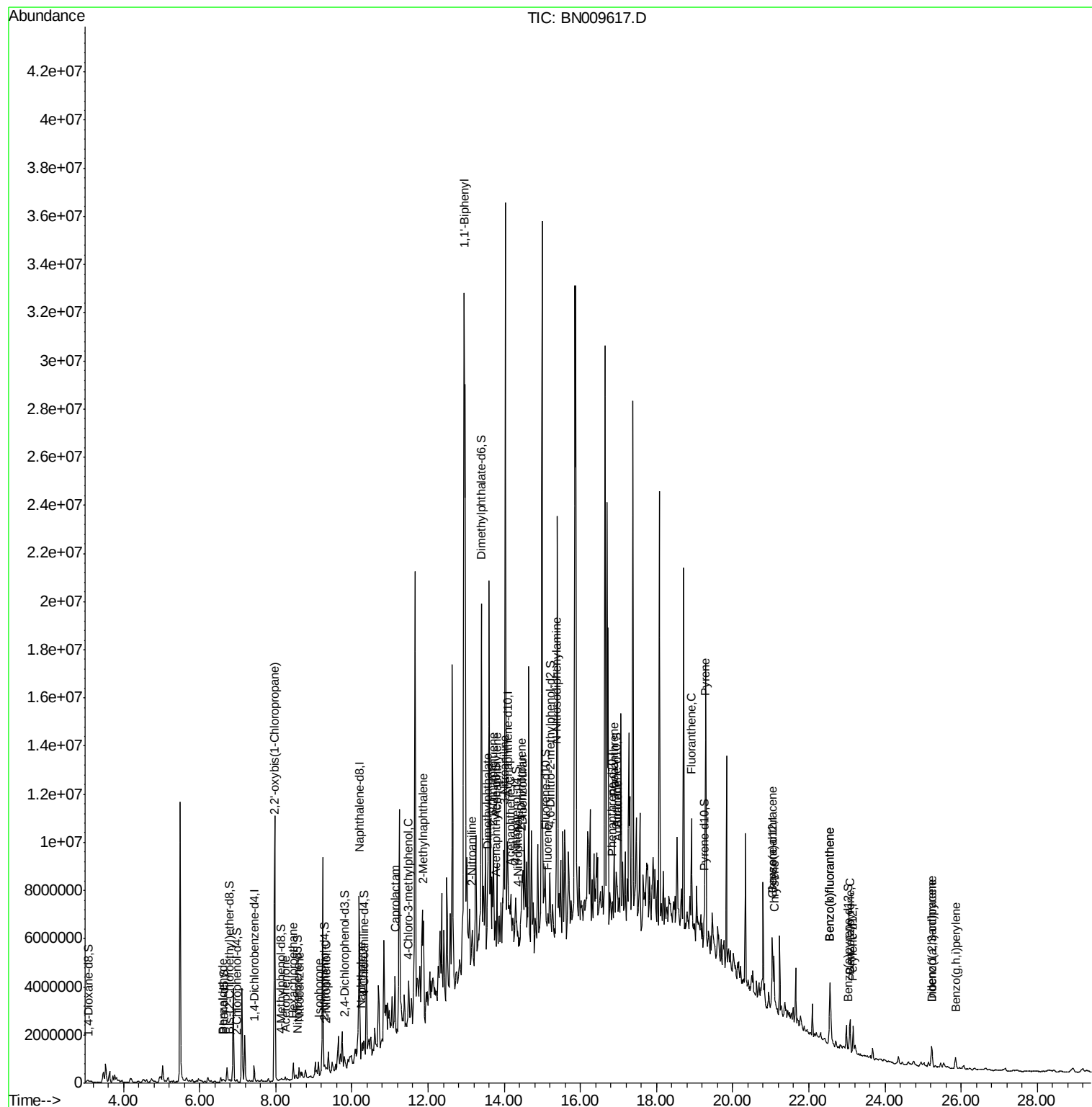
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Phenanthrene	16.89	178	717178	18.147	ng/ul#	94
71) Anthracene	16.97	178	205707	5.130	ng/ul#	84
76) Fluoranthene	18.92	202	2476648	54.909	ng/ul	98
79) Pyrene	19.28	202	2590129	56.568	ng/ul	96
82) Benzo(a)anthracene	21.04	228	1268006	29.279	ng/ul	99
84) Chrysene	21.09	228	1176099	27.279	ng/ul	96
87) Benzo(b)fluoranthene	22.55	252	1613010	36.515	ng/ul#	95
88) Benzo(k)fluoranthene	22.55	252	1613010	37.078	ng/ul#	94
90) Benzo(a)pyrene	23.07	252	668022	16.322	ng/ul#	93
91) Indeno(1,2,3-cd)pyrene	25.23	276	657616	13.515	ng/ul	98
92) Dibenzo(a,h)anthracene	25.23	278	210357	5.136	ng/ul#	94
93) Benzo(a,h,i)perylene	25.85	276	482700	11.836	ng/ul	94

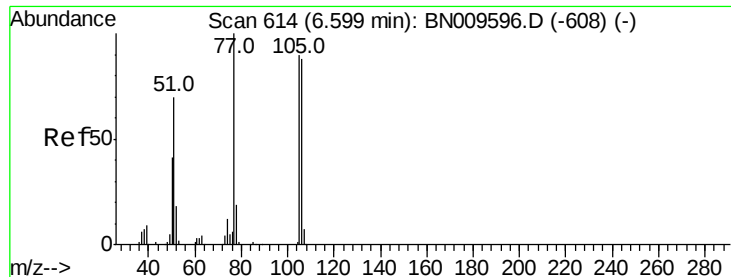
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyd

Concen: 1.868 ng/ul

RT: 6.61 min Scan# 616

Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Instrument :

BNA_N

ClientSampled :

GAT44

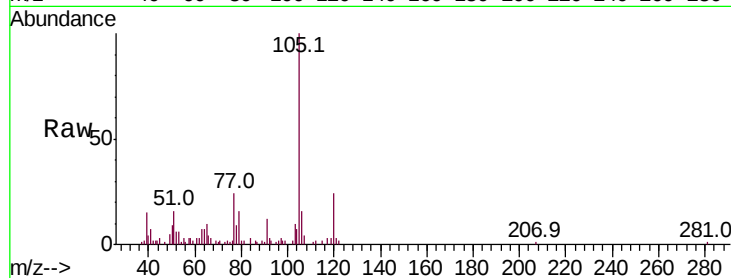
Tot Ion: 77 Resp: 16608

Ion Ratio Lower Upper

77 100

105 409.6 74.5 111.7#

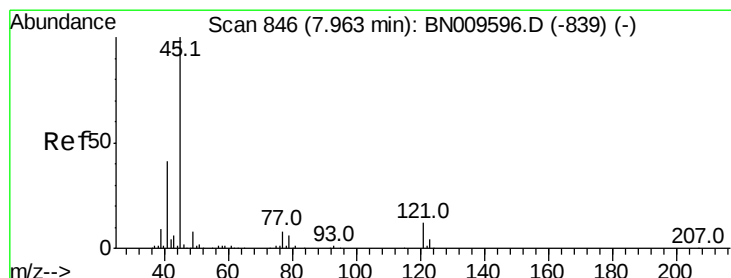
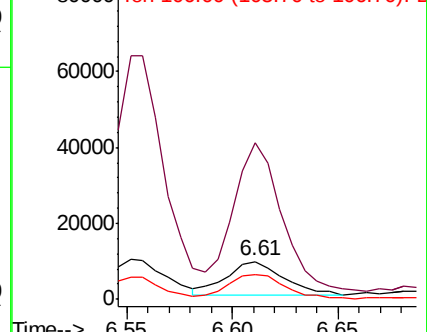
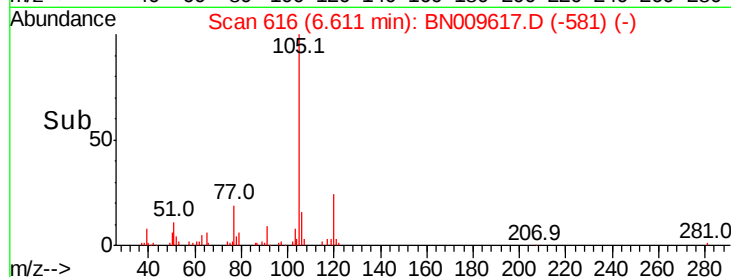
106 66.0 70.8 106.2#



Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 105.00 (104.70 to 105.70): BNC

Ion 106.00 (105.70 to 106.70): BNC



#12

2,2'-oxybis(1-Chloropropane)

Concen: 1.080 ng/ul

RT: 7.98 min Scan# 849

Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

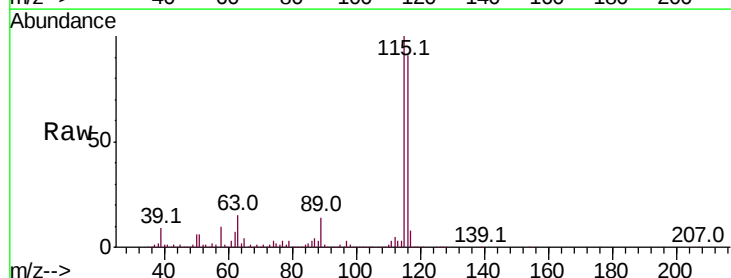
Tgt Ion: 45 Resp: 27918

Ion Ratio Lower Upper

45 100

77 244.2 7.0 10.6#

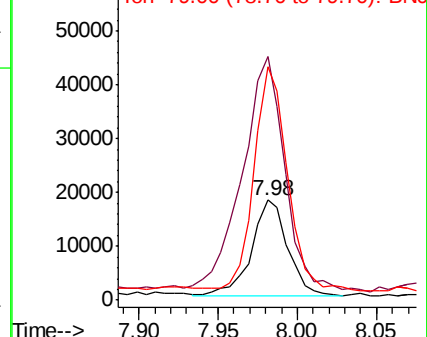
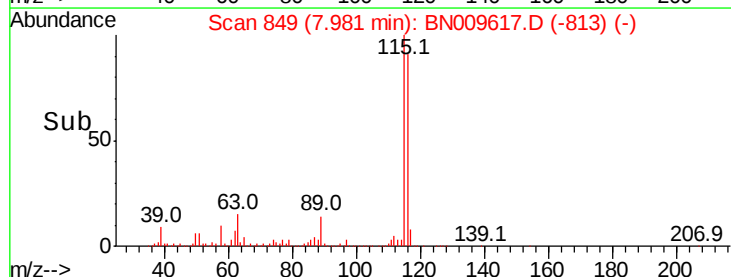
79 234.0 5.1 7.7#

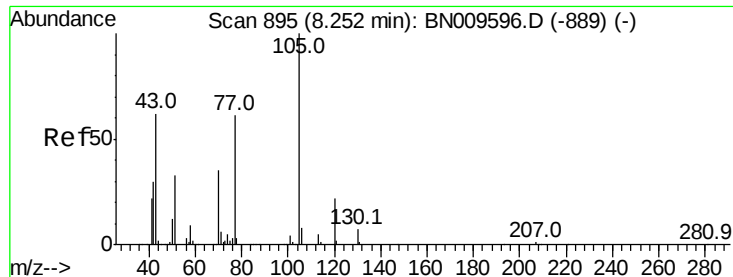


Abundance Ion 45.00 (44.70 to 45.70): BNC

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC





#14

Acetophenone

Concen: 3.739 ng/ul

RT: 8.26 min Scan# 896

Delta R.T. 0.00 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Instrument :

BNA_N

ClientSampleId :

GAT44

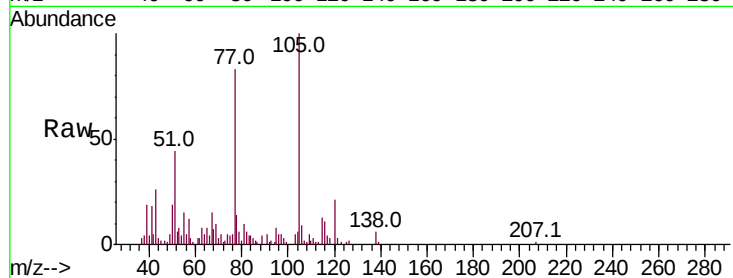
Tot Ion:105 Resp: 61752

Ion Ratio Lower Upper

105 100

77 83.1 67.7 101.5

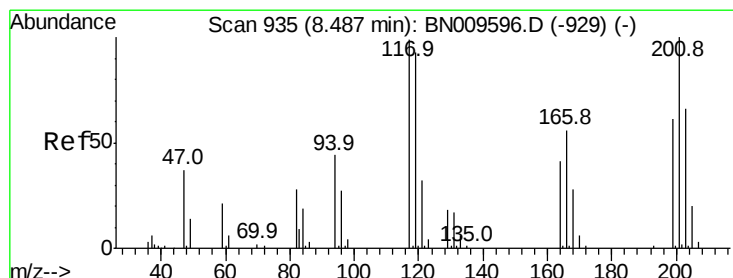
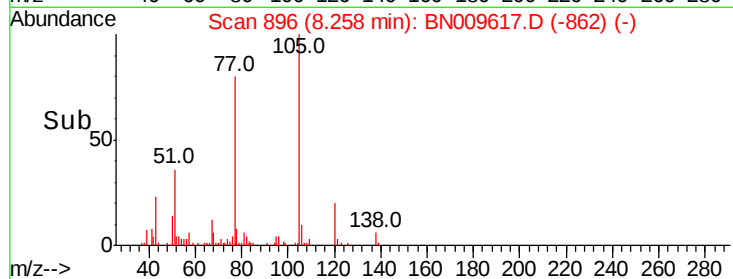
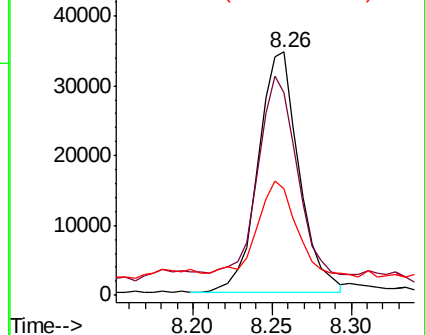
51 43.7 34.3 51.5



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: 35.818 ng/ul

RT: 8.46 min Scan# 931

Delta R.T. -0.04 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

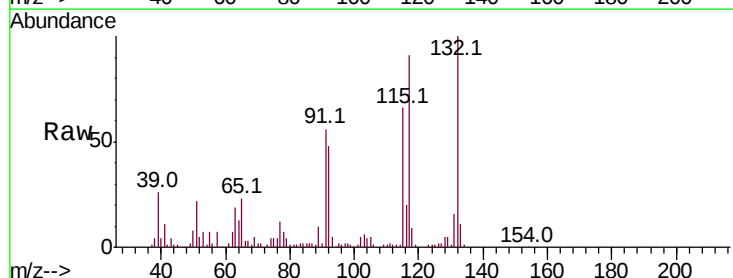
Tgt Ion:117 Resp: 160673

Ion Ratio Lower Upper

117 100

201 0.0 78.8 118.2#

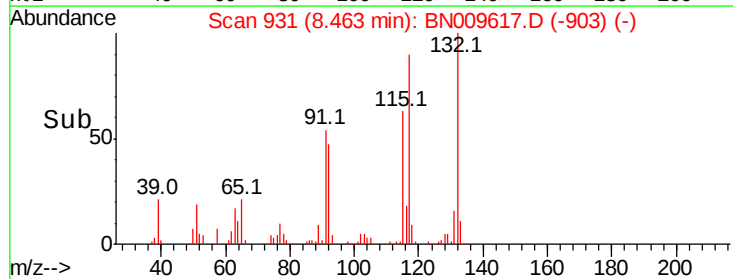
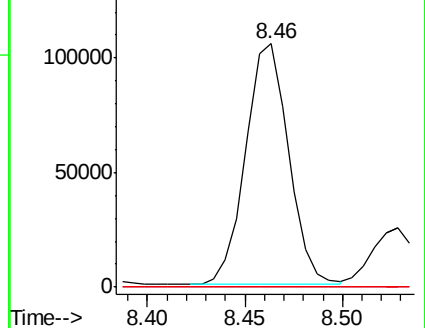
199 0.0 49.0 73.4#

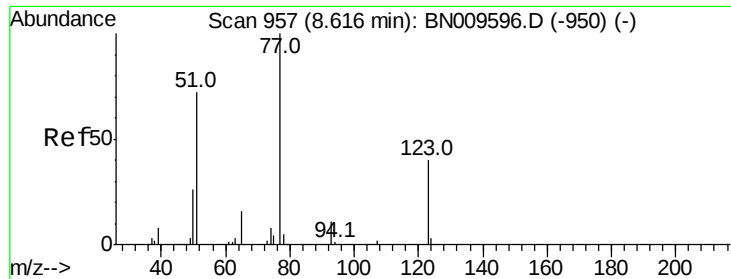


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

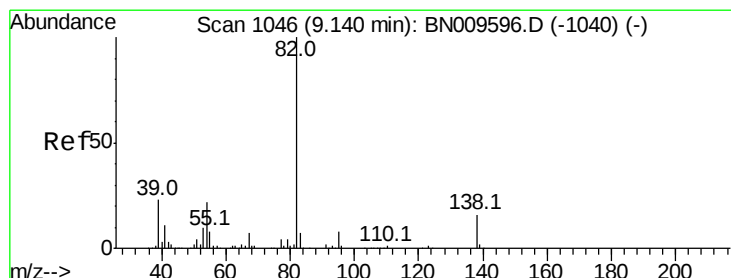
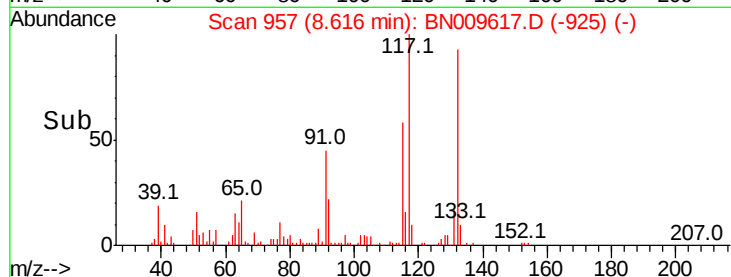
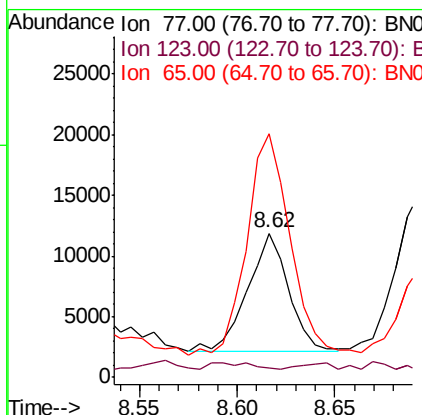
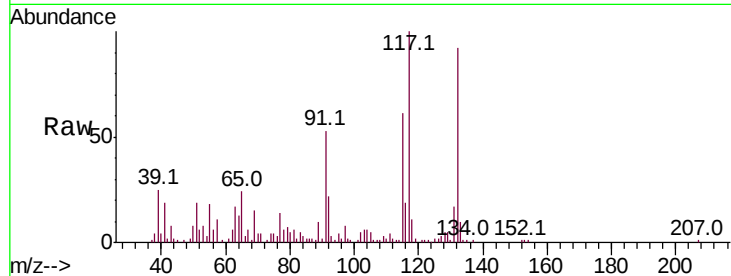




#20
Nitrobenzene
Concen: 1.090 ng/ul
RT: 8.62 min Scan# 957
Delta R.T. -0.01 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

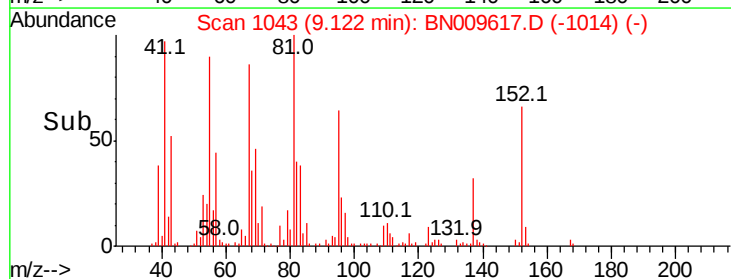
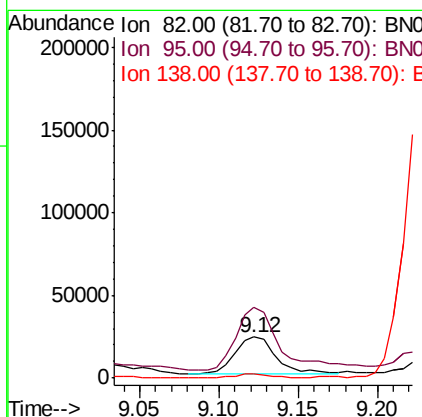
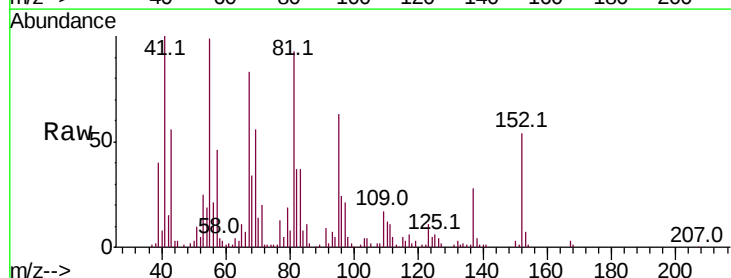
Instrument :
BNA_N
ClientSampled :
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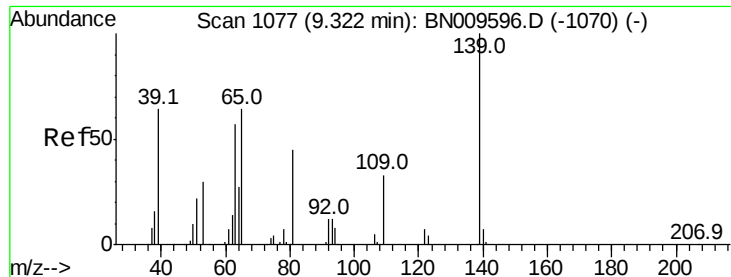
Tot Ion: 77 Resp: 14204
Ion Ratio Lower Upper
77 100
123 6.6 30.2 45.4#
65 169.1 13.5 20.3#



#21
Isophorone
Concen: 1.773 ng/ul
RT: 9.12 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

Tgt Ion: 82 Resp: 41568
Ion Ratio Lower Upper
82 100
95 172.3 6.2 9.4#
138 9.6 12.8 19.2#





#23

2-Nitrophenol

Concen: 1.197 ng/ul

RT: 9.34 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Instrument :

BNA_N

ClientSampled :

GAT44

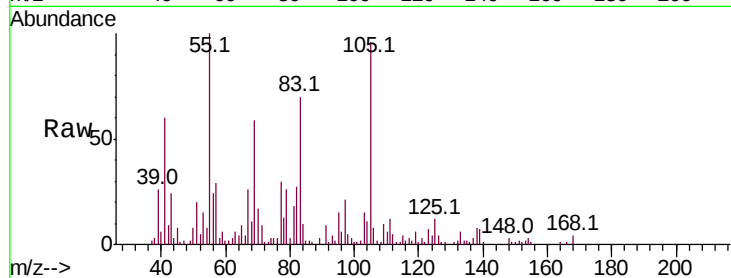
Tot Ion:139 Resp: 6606

Ion Ratio Lower Upper

139 100

65 133.0 56.2 84.4#

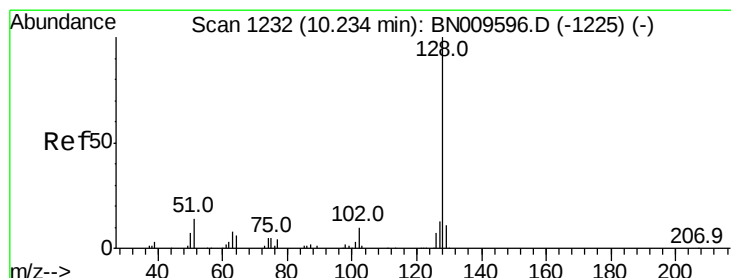
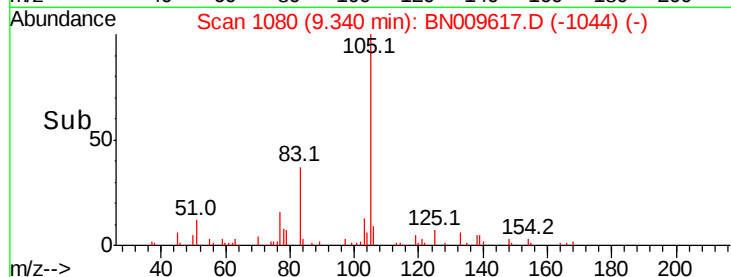
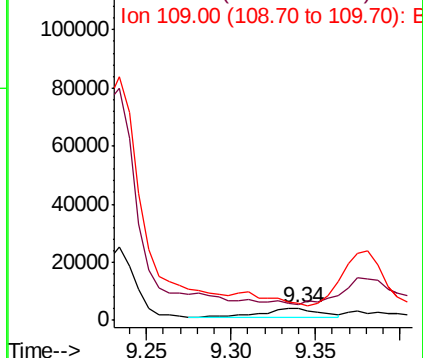
109 147.2 29.6 44.4#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNO

Ion 109.00 (108.70 to 109.70): E



#28

Naphthalene

Concen: 1.447 ng/ul

RT: 10.23 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

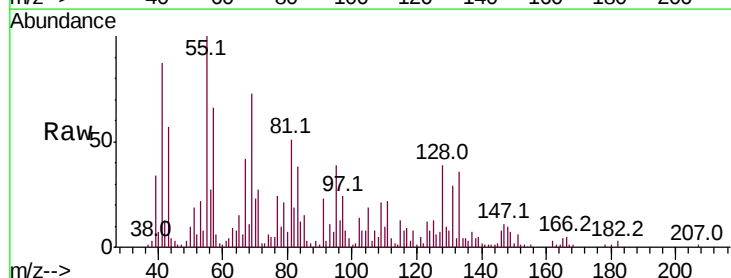
Tgt Ion:128 Resp: 47904

Ion Ratio Lower Upper

128 100

129 26.3 8.7 13.1#

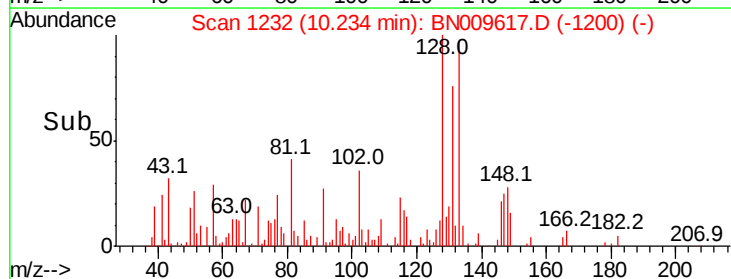
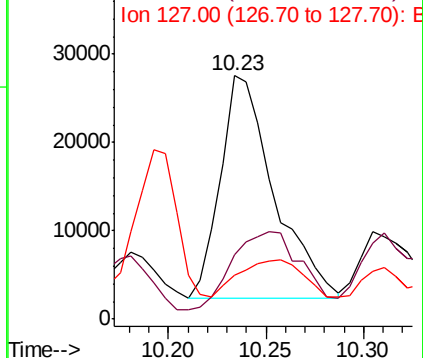
127 18.2 10.7 16.1#

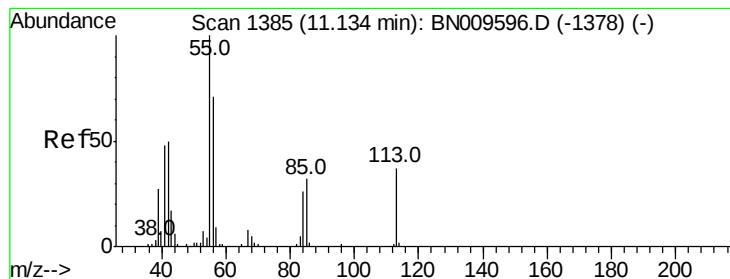


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Caprolactam

Concen: 8.377 ng/ul

RT: 11.13 min Scan# 1385

Delta R.T. -0.03 min

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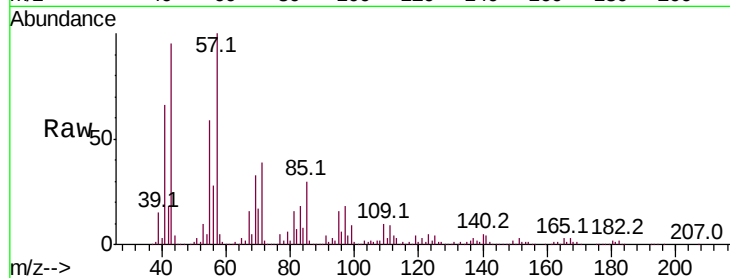
Tot Ion:113 Resp: 27039

Ion Ratio Lower Upper

113 100

55 1717.6 207.0 310.6#

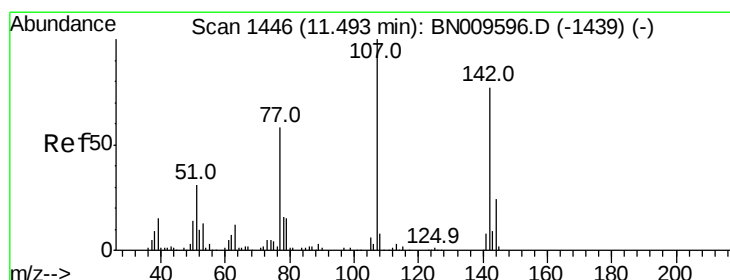
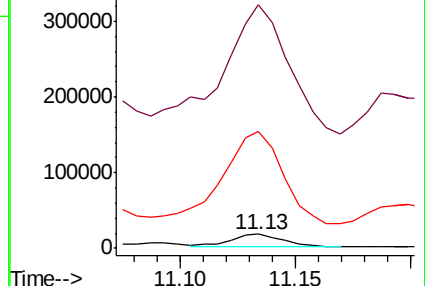
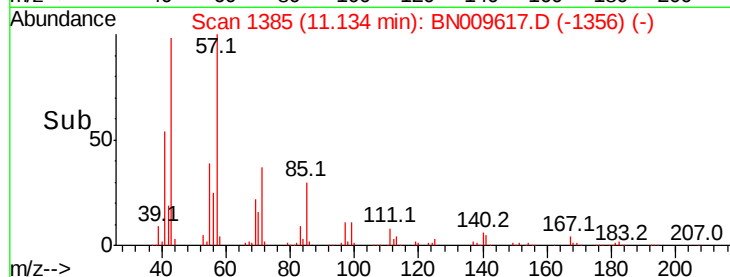
56 828.7 159.3 238.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BN0

Ion 56.00 (55.70 to 56.70): BN0



#33

4-Chloro-3-methylphenol

Concen: 1.130 ng/ul

RT: 11.47 min Scan# 1442

Delta R.T. -0.03 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

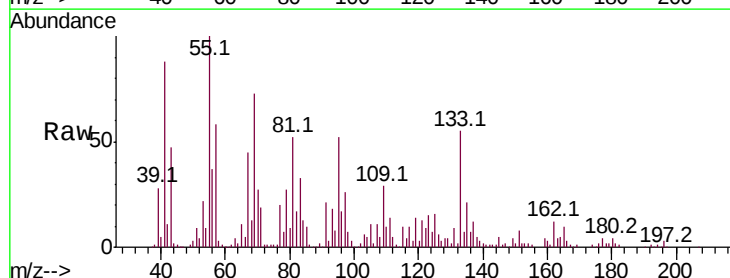
Tgt Ion:107 Resp: 12686

Ion Ratio Lower Upper

107 100

144 5.8 19.2 28.8#

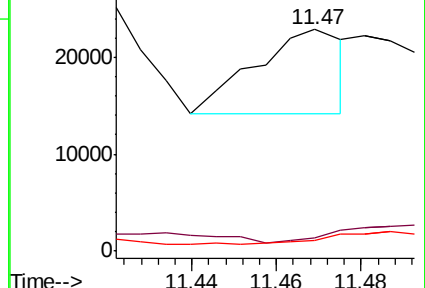
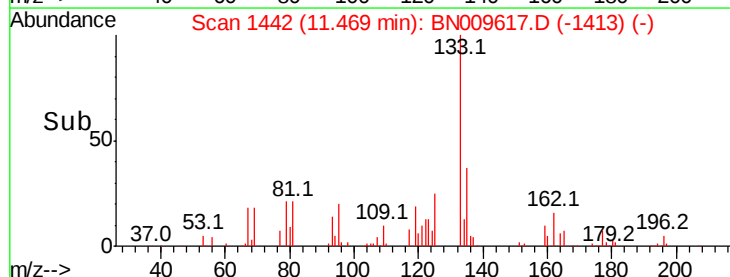
142 5.0 61.3 91.9#

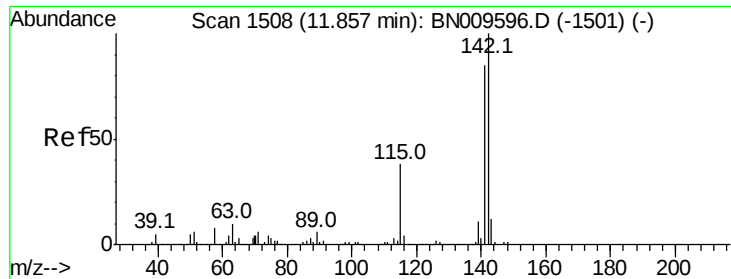


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

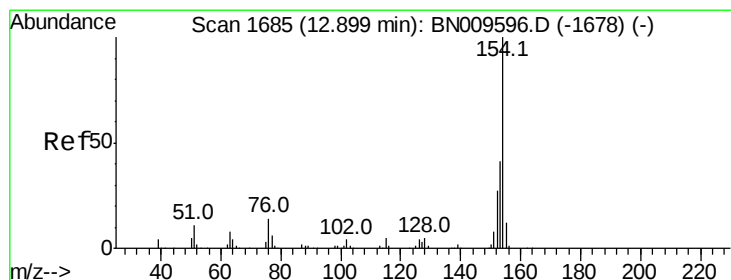
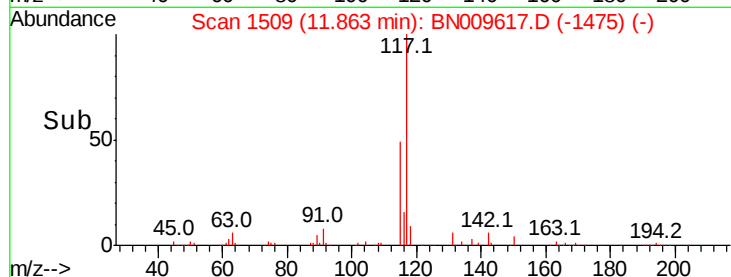
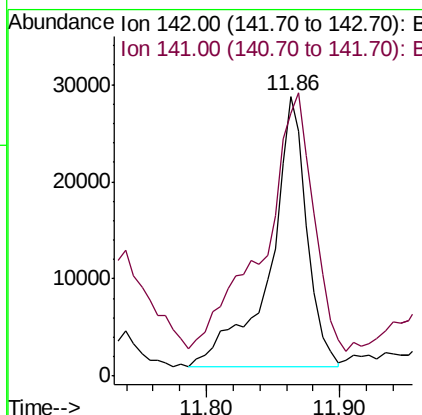
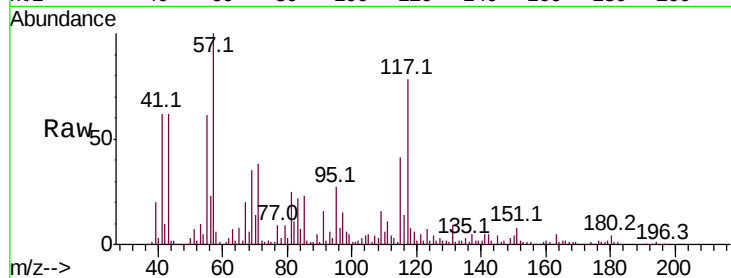




#34
2-Methylnaphthalene
Concen: 2.296 ng/ul
RT: 11.86 min Scan# 1509
Delta R.T. 0.00 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

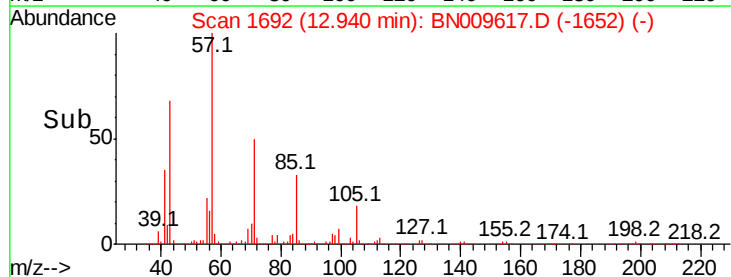
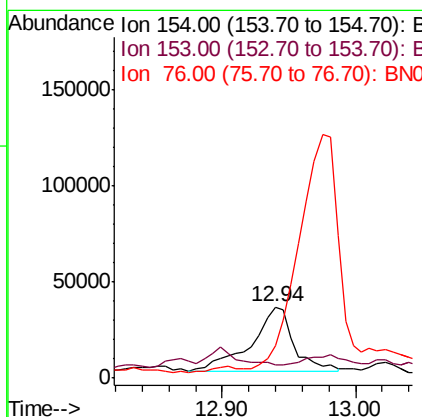
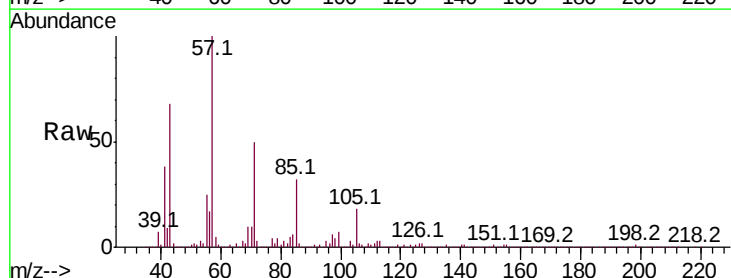
Instrument :
BNA_N
ClientSampleId :
GAT44

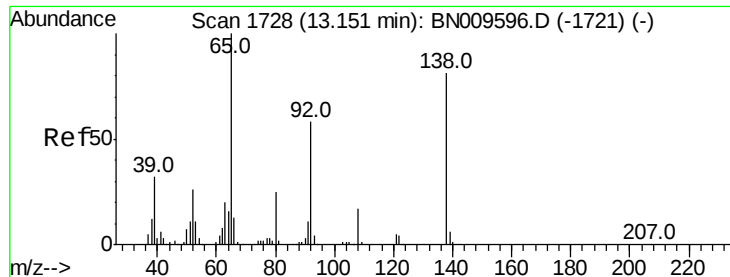
Tot Ion:142 Resp: 53175
Ion Ratio Lower Upper
142 100
141 93.8 71.5 107.3



#40
1,1'-Biphenyl
Concen: 2.676 ng/ul
RT: 12.94 min Scan# 1692
Delta R.T. 0.04 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

Tgt Ion:154 Resp: 73347
Ion Ratio Lower Upper
154 100
153 18.1 31.2 46.8#
76 46.3 11.4 17.2#





#42

2-Nitroaniline

Concen: 1.502 ng/ul

RT: 13.16 min Scan# 1729

Delta R.T. 0.00 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Instrument :

BNA_N

ClientSampleId :

GAT44

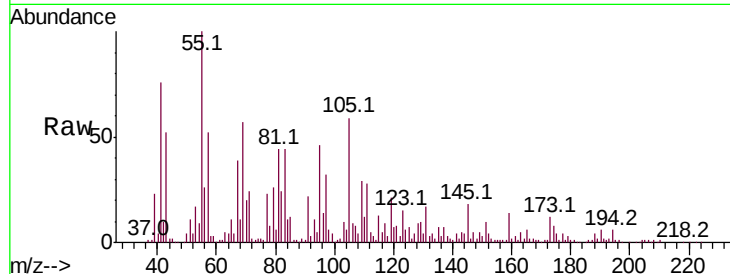
Tot Ion: 65 Resp: 11683

Ion Ratio Lower Upper

65 100

92 27.2 42.0 63.0#

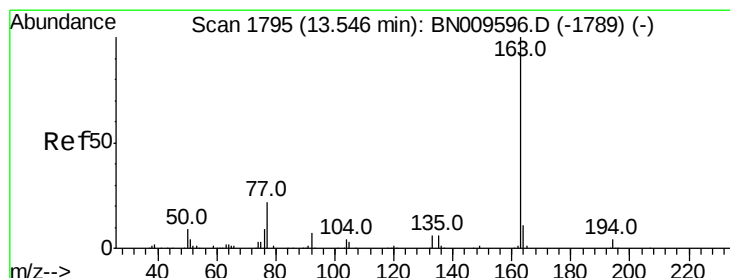
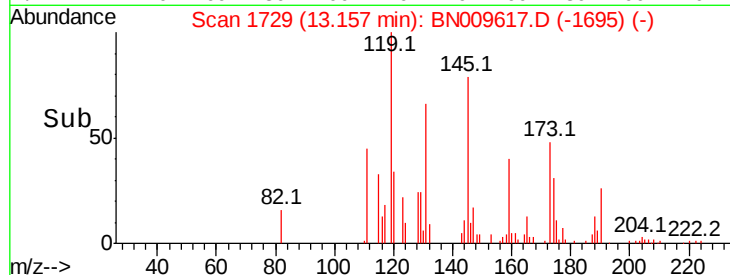
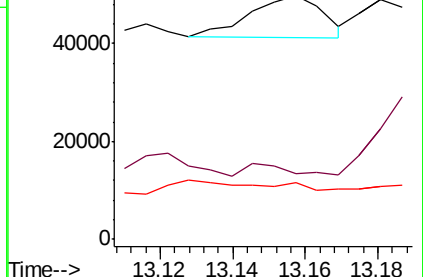
138 23.4 60.1 90.1#



Abundance Ion 65.00 (64.70 to 65.70): BN009596.D (-1721) (-)

Ion 92.00 (91.70 to 92.70): BN009596.D (-1721) (-)

Ion 138.00 (137.70 to 138.70): BN009596.D (-1721) (-)



#44

Dimethylphthalate

Concen: 1.440 ng/ul

RT: 13.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

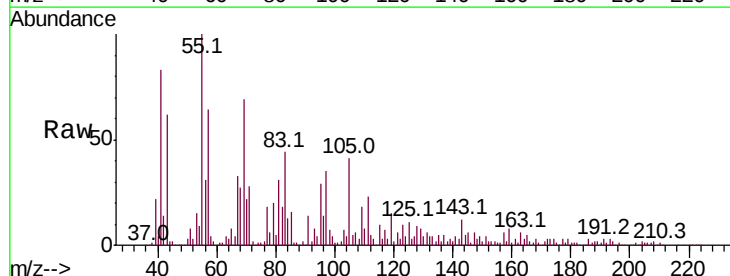
Tgt Ion: 163 Resp: 39262

Ion Ratio Lower Upper

163 100

194 31.0 3.5 5.3#

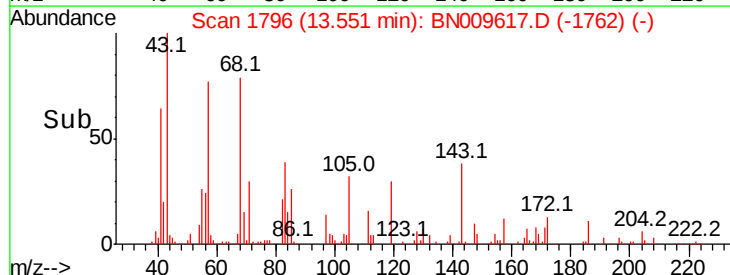
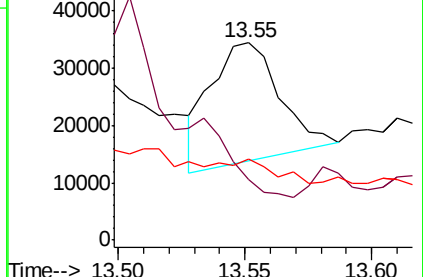
164 40.9 8.0 12.0#

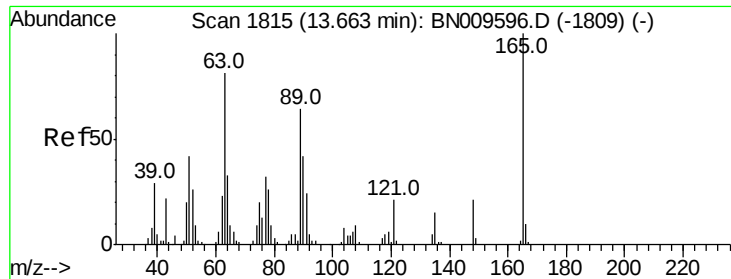


Abundance Ion 163.00 (162.70 to 163.70): BN009596.D (-1789) (-)

Ion 194.00 (193.70 to 194.70): BN009596.D (-1789) (-)

Ion 164.00 (163.70 to 164.70): BN009596.D (-1789) (-)

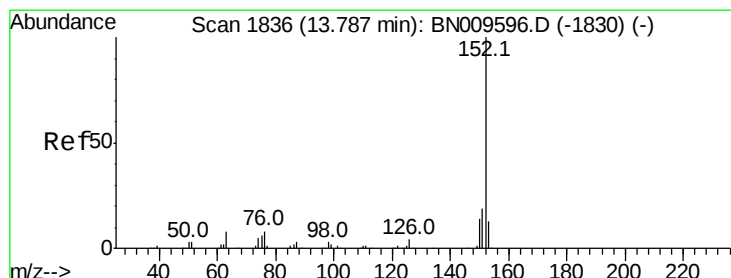
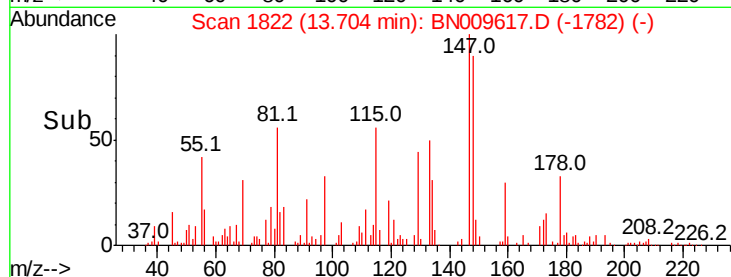
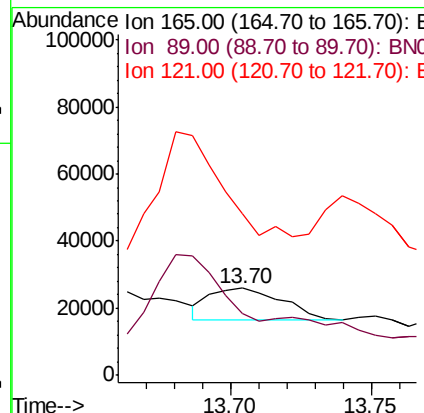
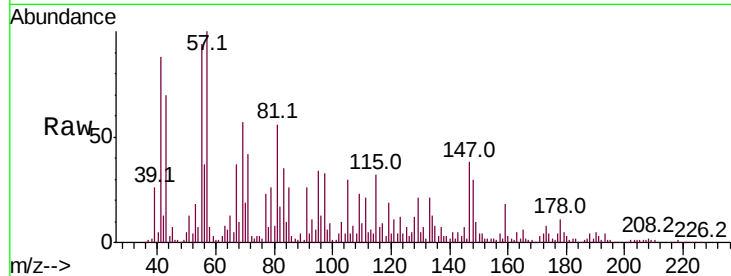




#45
 2,6-Dinitrotoluene
 Concen: 3.059 ng/ul
 RT: 13.70 min Scan# 1822
 Delta R.T. 0.04 min
 Lab File: BN009617.D
 Acq: 06 Feb 2020 19:47

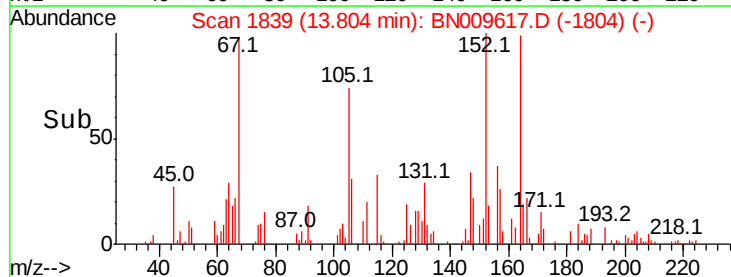
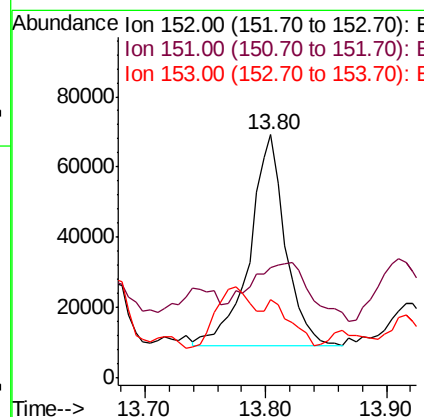
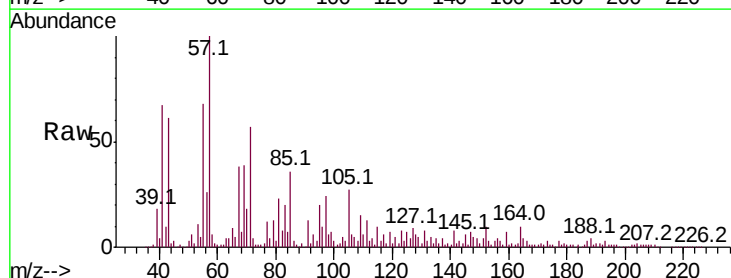
Instrument :
 BNA_N
 ClientSampled :
 GAT44

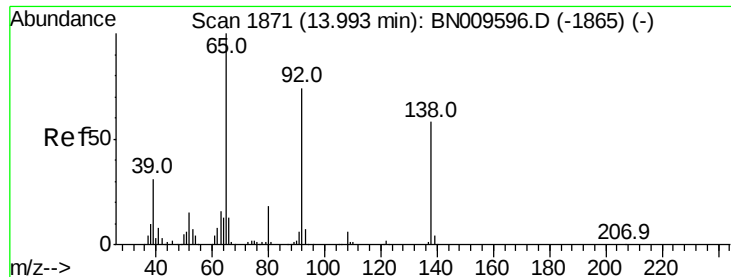
Tot Ion:165 Resp: 16289
 Ion Ratio Lower Upper
 165 100
 89 70.8 52.2 78.2
 121 185.5 17.7 26.5#



#47
 Acenaphthylene
 Concen: 3.667 ng/ul
 RT: 13.80 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: BN009617.D
 Acq: 06 Feb 2020 19:47

Tgt Ion:152 Resp: 124598
 Ion Ratio Lower Upper
 152 100
 151 45.5 16.2 24.2#
 153 32.0 10.6 15.8#

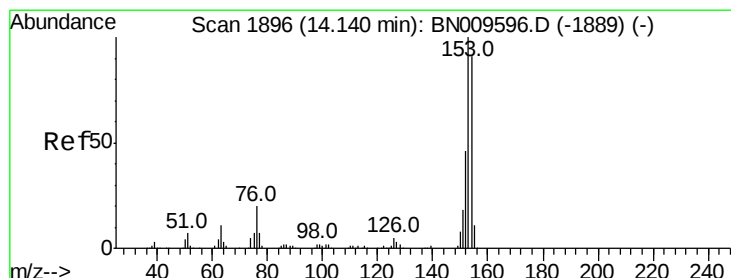
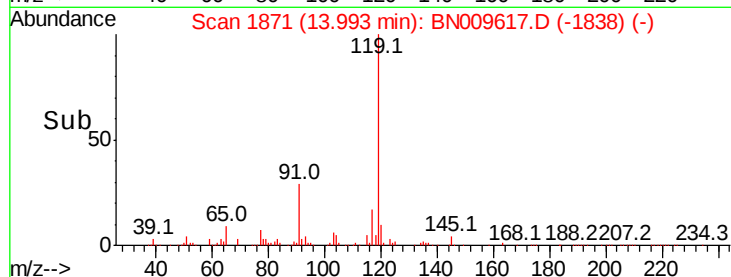
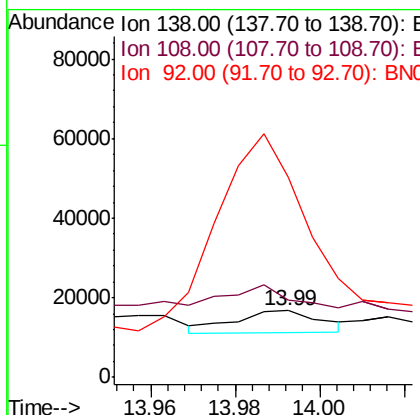
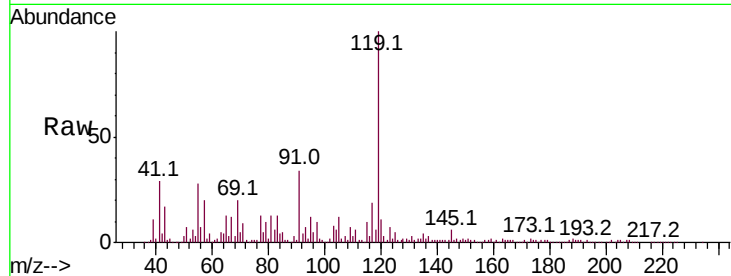




#48
3-Nitroaniline
Concen: 1.676 ng/ul
RT: 13.99 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

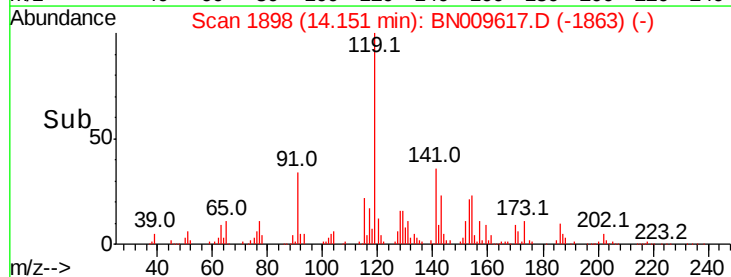
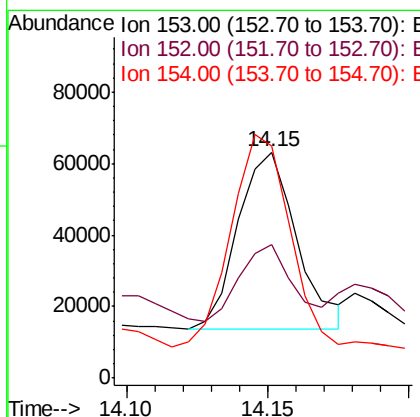
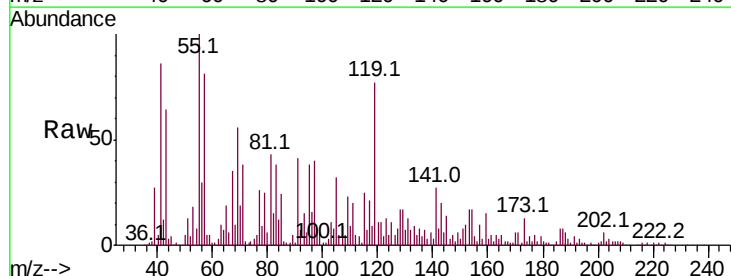
Instrument :
BNA_N
ClientSampleId :
GAT44

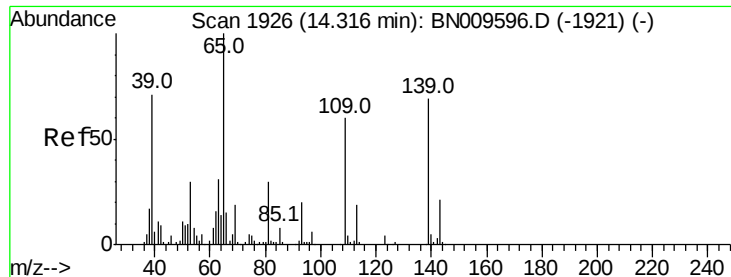
Tot Ion:138 Resp: 8102
Ion Ratio Lower Upper
138 100
108 114.9 9.8 14.6#
92 299.0 99.7 149.5#



#49
Acenaphthene
Concen: 3.120 ng/ul
RT: 14.15 min Scan# 1898
Delta R.T. 0.01 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

Tgt Ion:153 Resp: 72058
Ion Ratio Lower Upper
153 100
152 59.0 37.3 55.9#
154 102.5 70.2 105.2

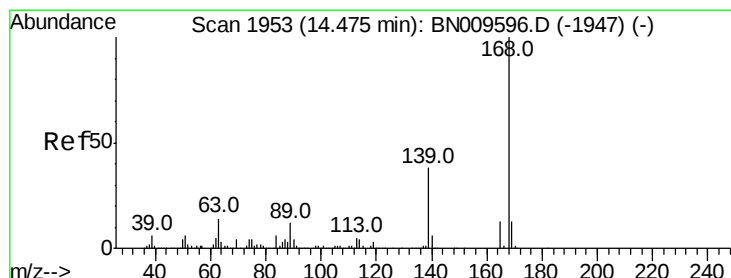
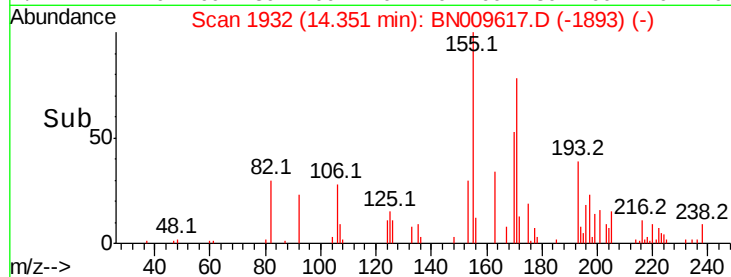
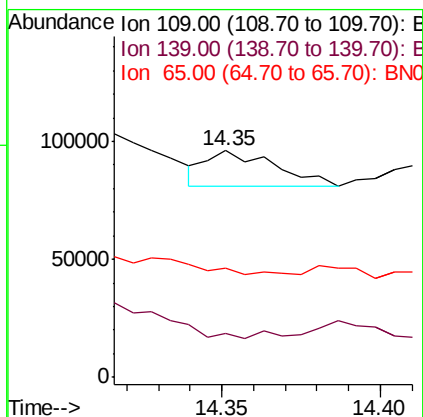
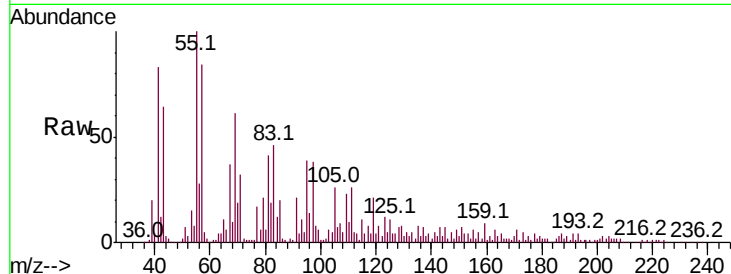




#52
4-Nitrophenol
Concen: 5.365 ng/ul
RT: 14.35 min Scan# 1932
Delta R.T. 0.03 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

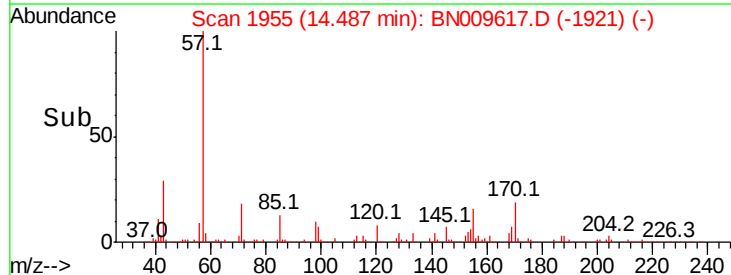
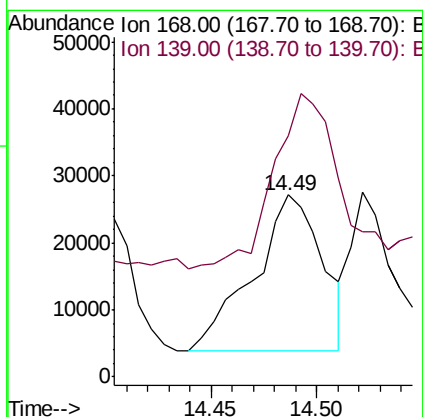
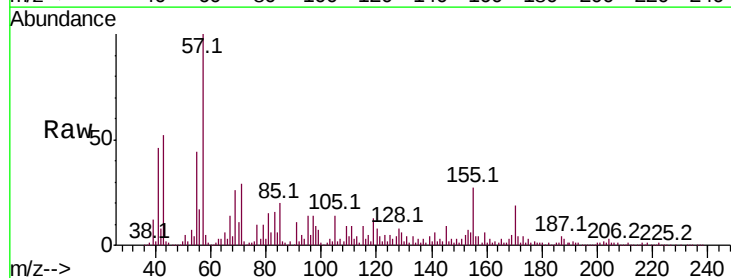
Instrument :
BNA_N
ClientSampleId :
GAT44

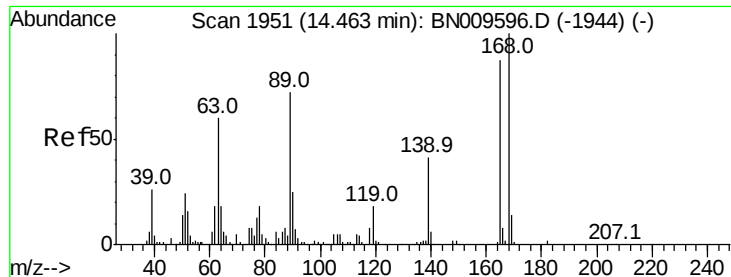
Tot Ion:109 Resp: 23295
Ion Ratio Lower Upper
109 100
139 19.5 97.4 146.2#
65 47.9 134.6 201.8#



#53
Dibenzofuran
Concen: 1.623 ng/ul
RT: 14.49 min Scan# 1955
Delta R.T. 0.00 min
Lab File: BN009617.D
Acq: 06 Feb 2020 19:47

Tgt Ion:168 Resp: 52200
Ion Ratio Lower Upper
168 100
139 132.3 29.5 44.3#





#54

2,4-Dinitrotoluene

Concen: 1.419 ng/ul

RT: 14.46 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Instrument :

BNA_N

ClientSampleId :

GAT44

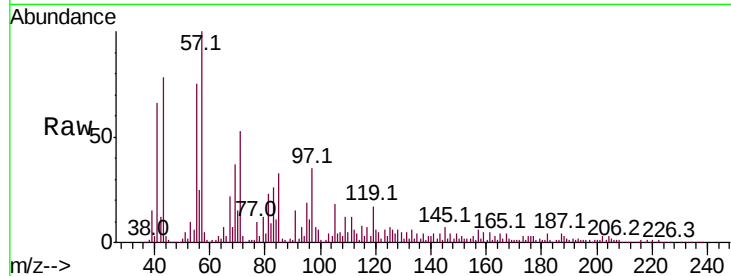
Tot Ion:165 Resp: 11081

Ion Ratio Lower Upper

165 100

63 71.6 55.0 82.4

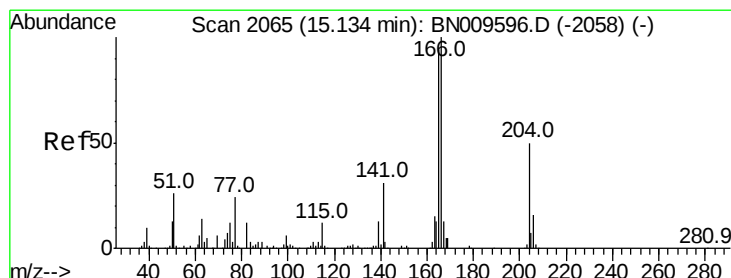
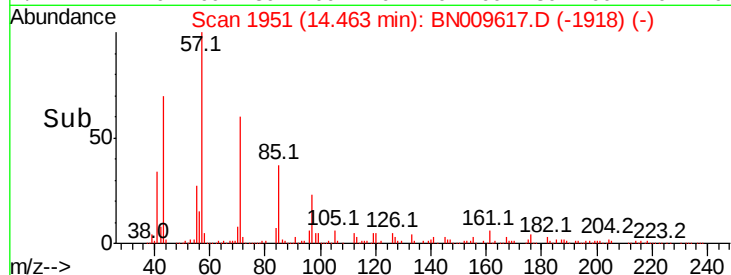
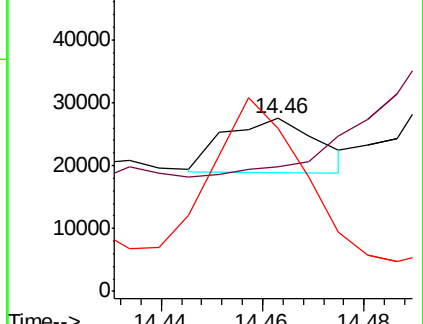
182 94.1 2.4 3.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNO

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 4.508 ng/ul

RT: 15.14 min Scan# 2066

Delta R.T. 0.00 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

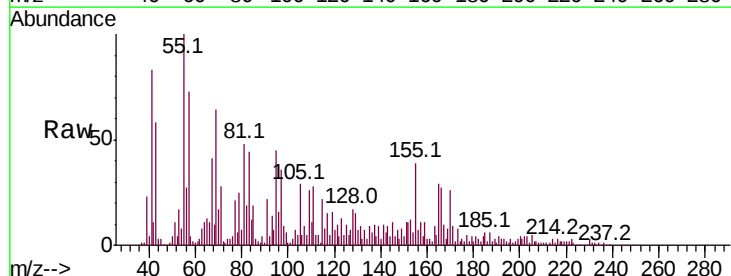
Tgt Ion:166 Resp: 121170

Ion Ratio Lower Upper

166 100

165 110.0 76.7 115.1

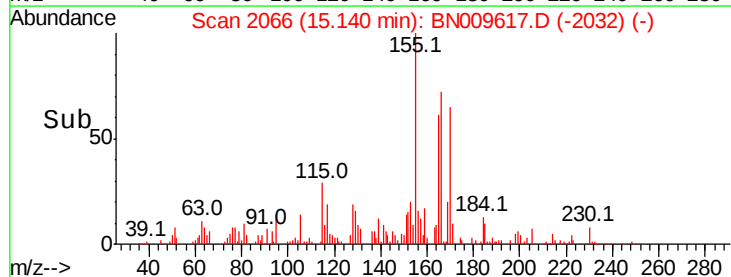
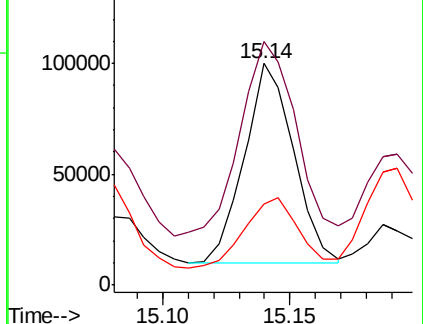
167 36.9 11.1 16.7#

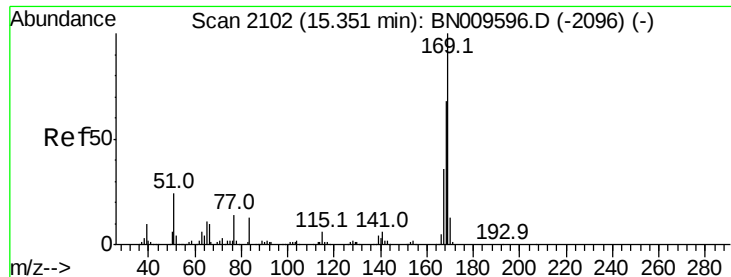


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

N-Nitrosodiphenylamine

Concen: 8.690 ng/ul

RT: 15.37 min Scan# 2105

Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Instrument :

BNA_N

ClientSampleId :

GAT44

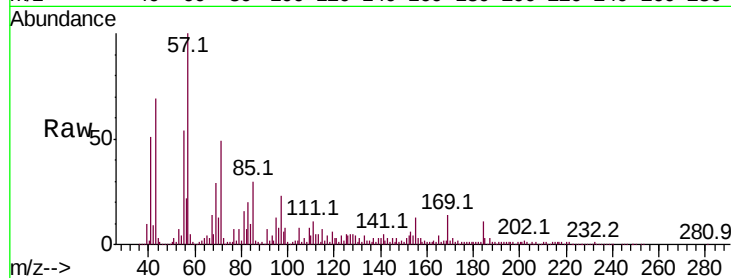
Tot Ion:169 Resp: 179984

Ion Ratio Lower Upper

169 100

168 14.2 53.8 80.8#

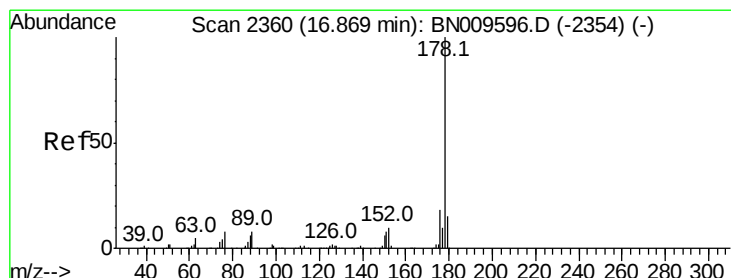
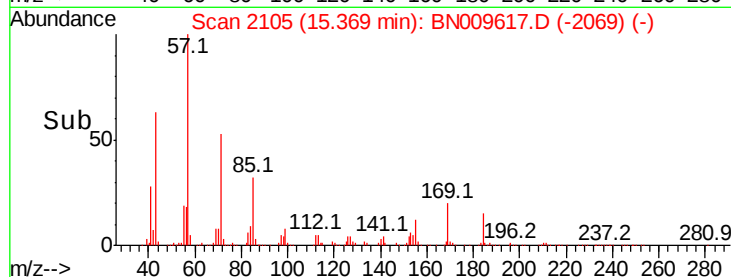
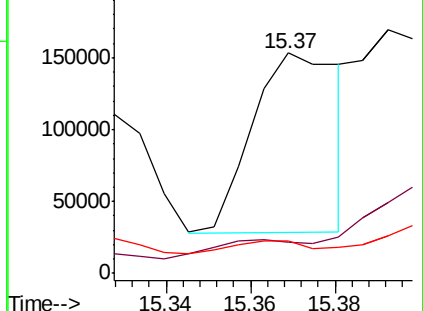
167 14.5 27.5 41.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 18.147 ng/ul

RT: 16.89 min Scan# 2363

Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

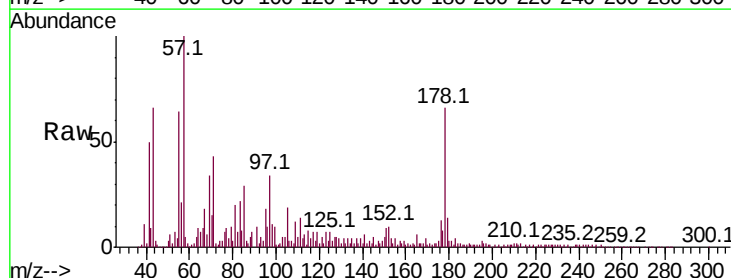
Tgt Ion:178 Resp: 717178

Ion Ratio Lower Upper

178 100

179 20.7 12.2 18.2#

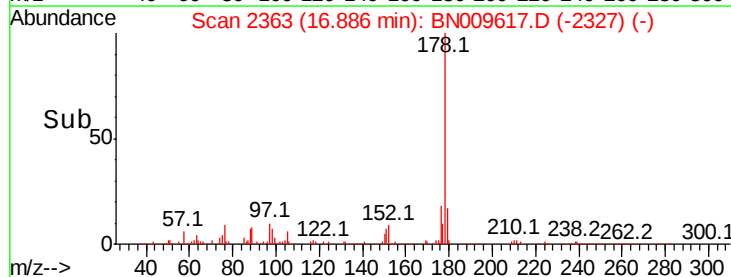
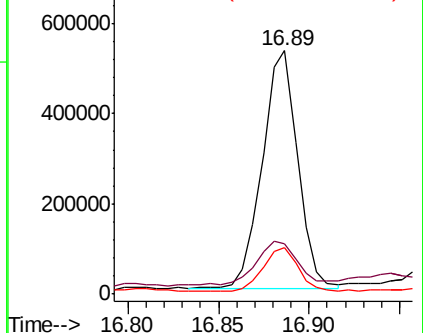
176 18.9 14.8 22.2

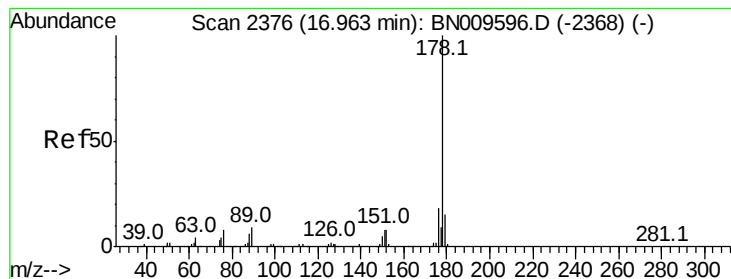


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 5.130 ng/ul

RT: 16.97 min Scan# 2378

Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Instrument :

BNA_N

ClientSampleId :

GAT44

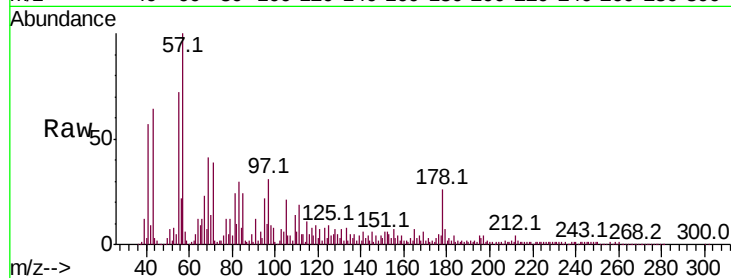
Tot Ion:178 Resp: 205707

Ion Ratio Lower Upper

178 100

179 26.5 12.1 18.1#

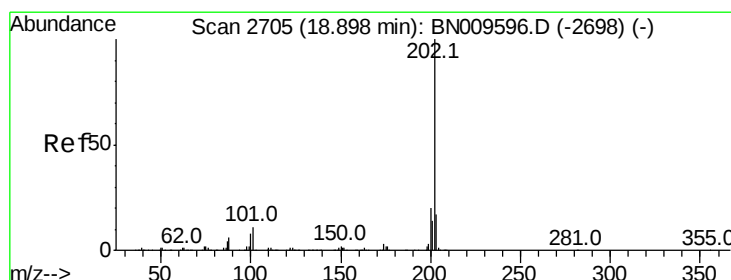
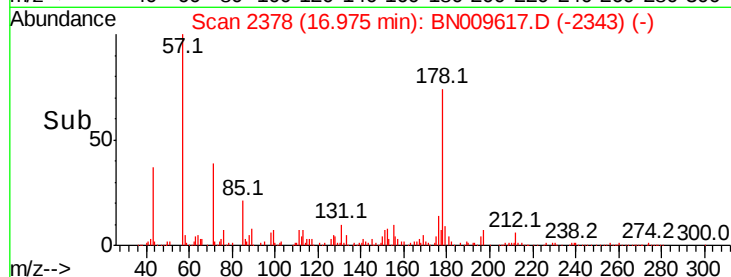
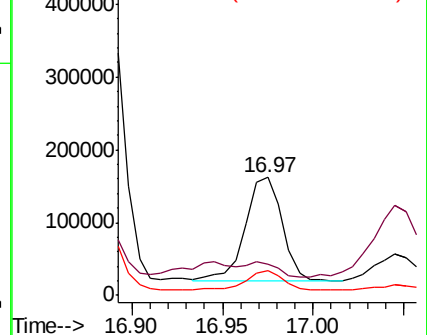
176 21.1 14.6 21.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#76

Fluoranthene

Concen: 54.909 ng/ul

RT: 18.92 min Scan# 2708

Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

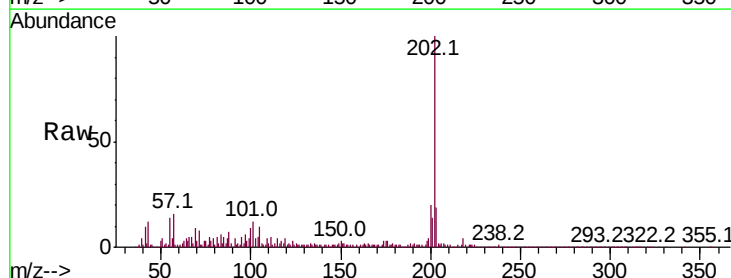
Tgt Ion:202 Resp: 2476648

Ion Ratio Lower Upper

202 100

101 12.5 9.2 13.8

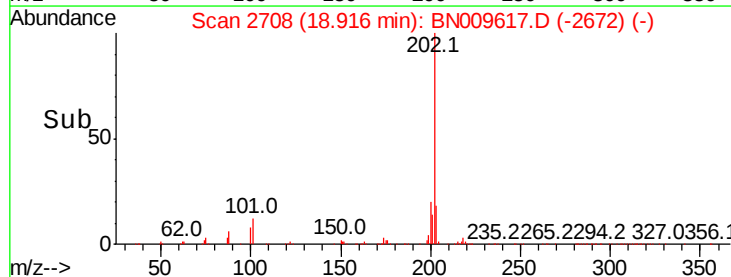
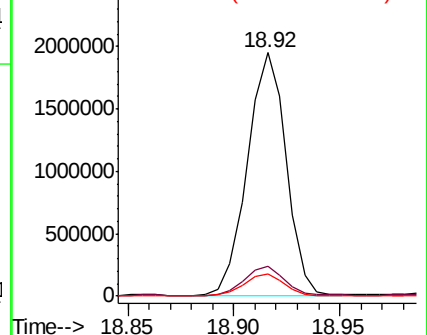
100 9.0 6.9 10.3

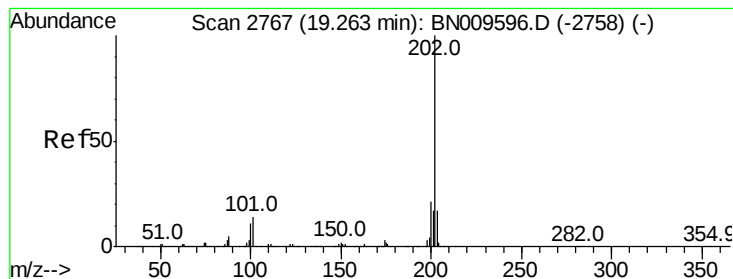


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pvrene

Concen: 56.568 ng/ul

RT: 19.28 min Scan# 2770

Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Instrument :

BNA_N

ClientSampleId :

GAT44

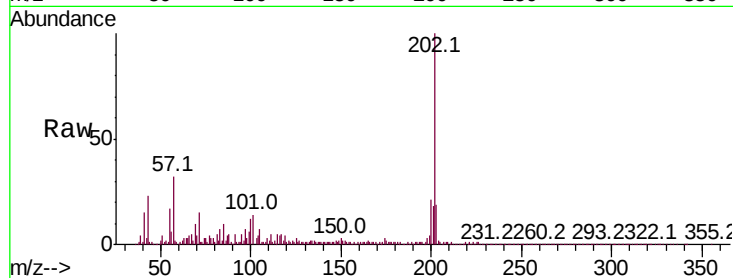
Tot Ion:202 Resp: 2590129

Ion Ratio Lower Upper

202 100

101 14.3 10.3 15.5

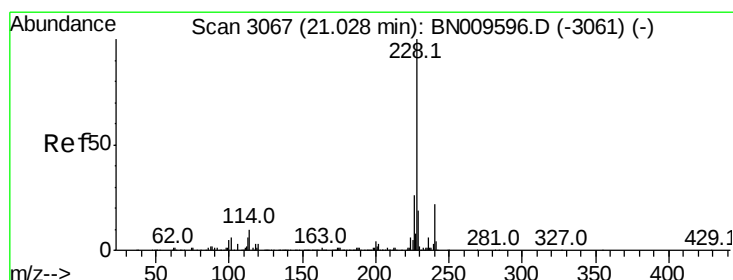
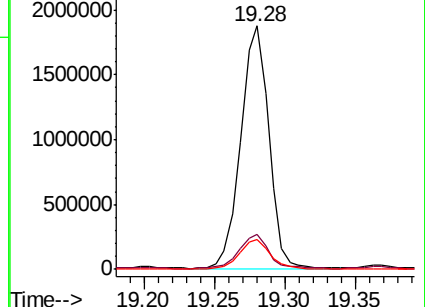
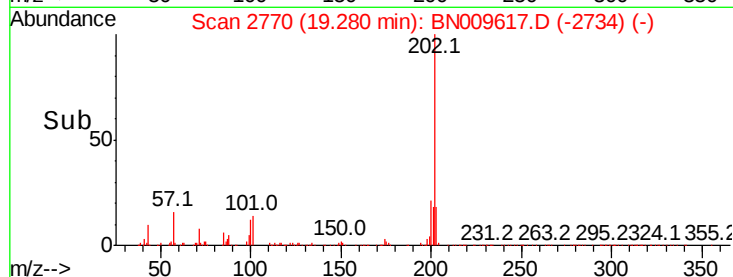
100 12.1 8.4 12.6



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: 29.279 ng/ul

RT: 21.04 min Scan# 3069

Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

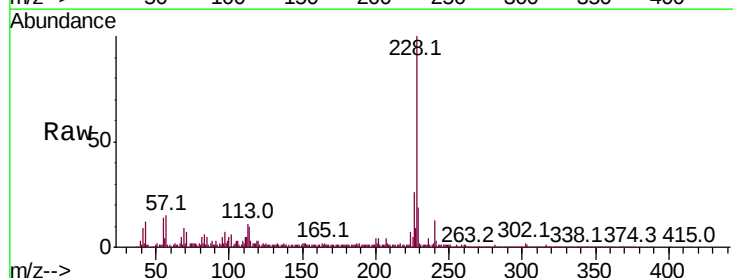
Tgt Ion:228 Resp: 1268006

Ion Ratio Lower Upper

228 100

229 19.1 15.0 22.4

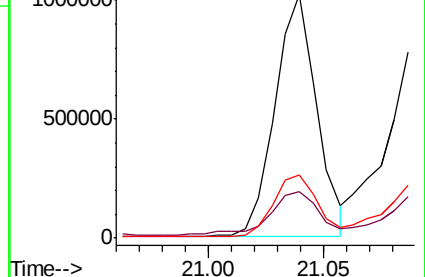
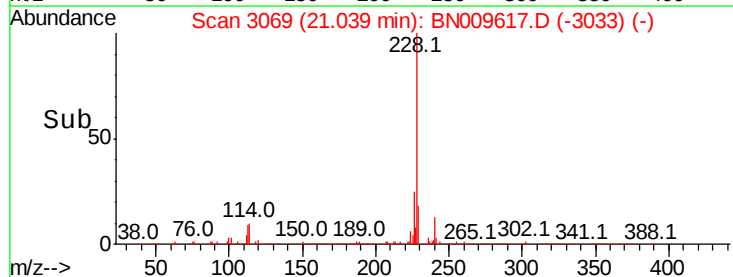
226 25.8 20.9 31.3

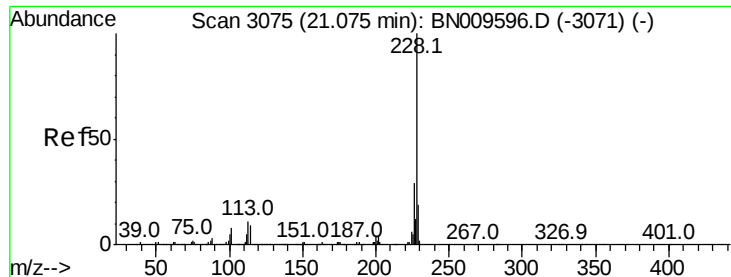


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 27.279 ng/ul

RT: 21.09 min Scan# 3077

Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Instrument :

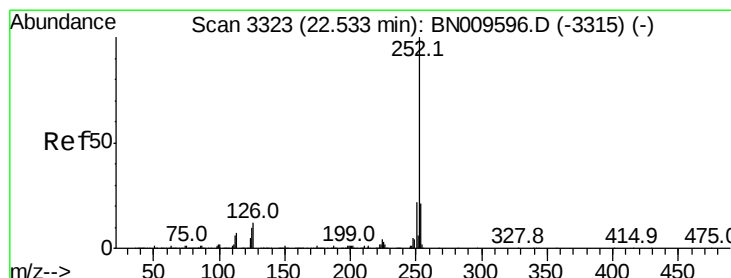
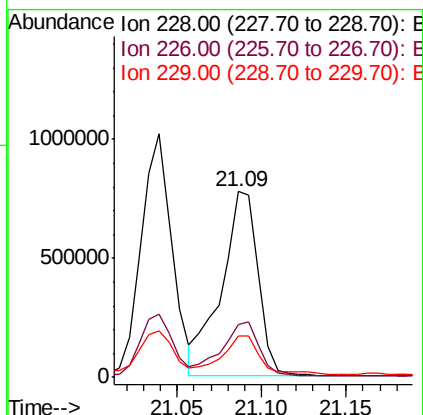
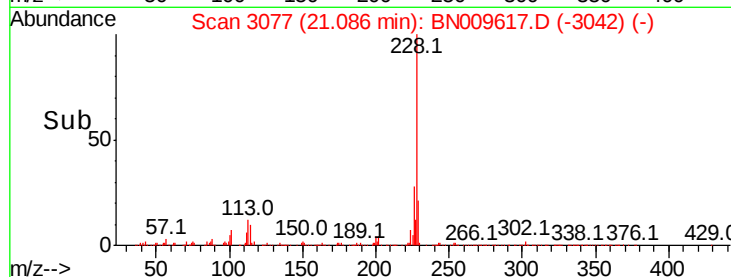
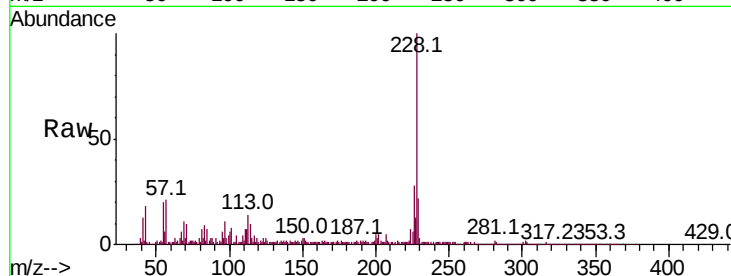
BNA_N

ClientSampleId :

GAT44

Tot Ion:228 Resp: 1176099

Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.5	35.3
229	22.4	15.8	23.8



#87

Benzo(b)fluoranthene

Concen: 36.515 ng/ul

RT: 22.55 min Scan# 3325

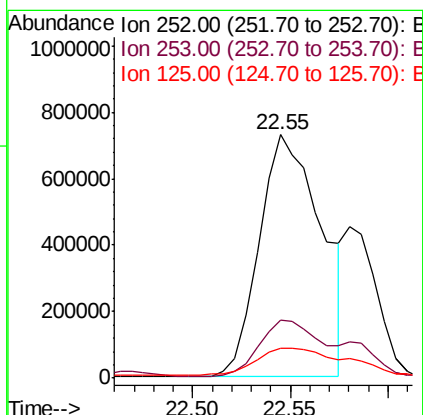
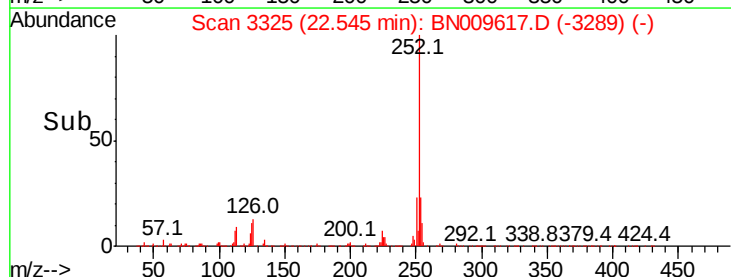
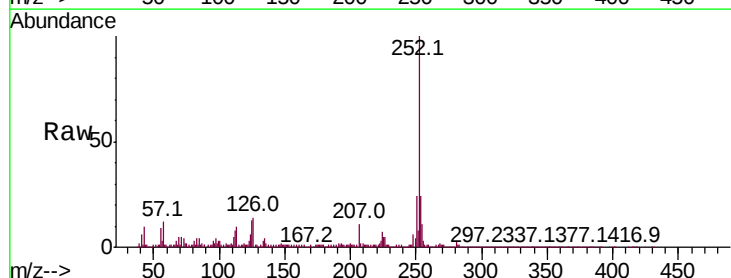
Delta R.T. 0.01 min

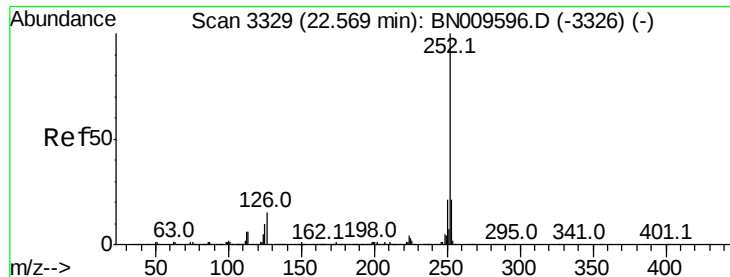
Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Tgt Ion:252 Resp: 1613010

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	12.5	8.2	12.2#





#88

Benzo(k)fluoranthene

Concen: 37.078 ng/ul

RT: 22.55 min Scan# 3325

Delta R.T. -0.03 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Instrument :

BNA_N

ClientSampleId :

GAT44

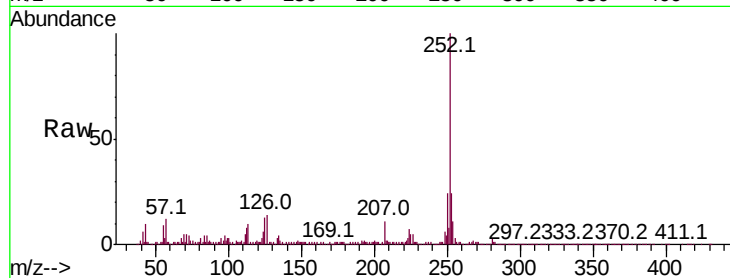
Tot Ion:252 Resp: 1613010

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.4

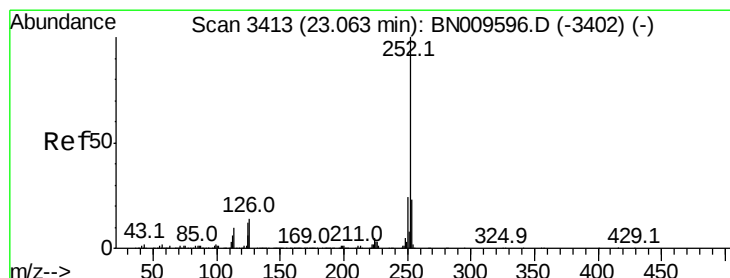
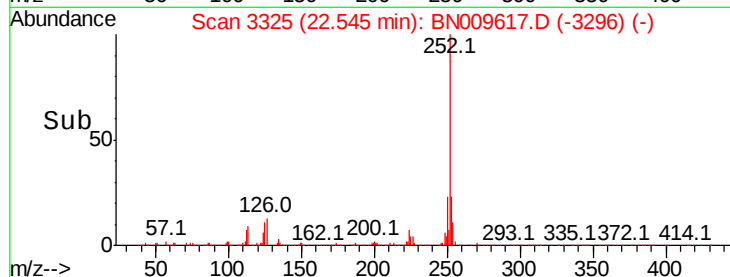
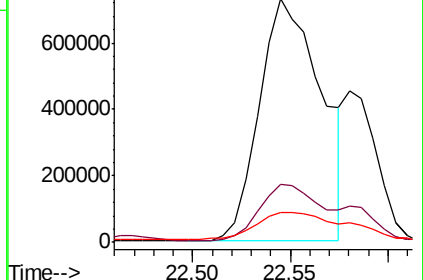
125 12.5 8.0 12.0#



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: 16.322 ng/ul

RT: 23.07 min Scan# 3415

Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

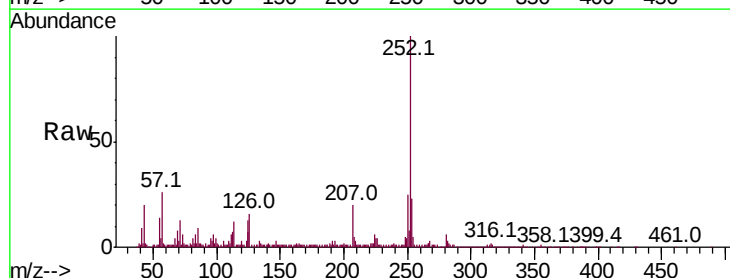
Tgt Ion:252 Resp: 668022

Ion Ratio Lower Upper

252 100

253 23.0 15.8 23.8

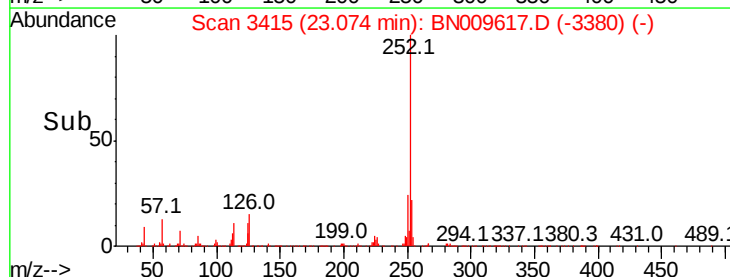
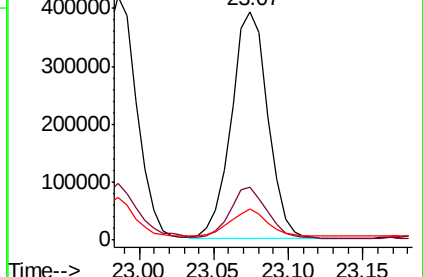
125 13.4 8.7 13.1#

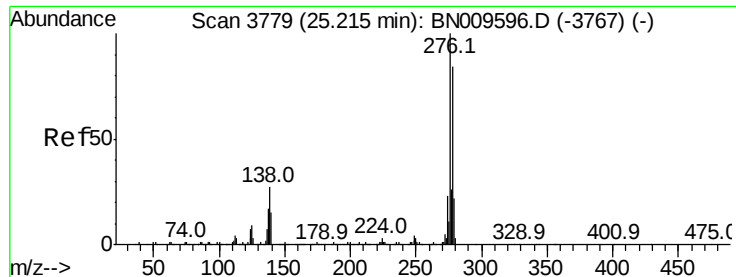


Abundance Ion 252.00 (251.70 to 252.70): E

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: 13.515 ng/ul

RT: 25.23 min Scan# 3781

Delta R.T. 0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Instrument :

BNA_N

ClientSampleId :

GAT44

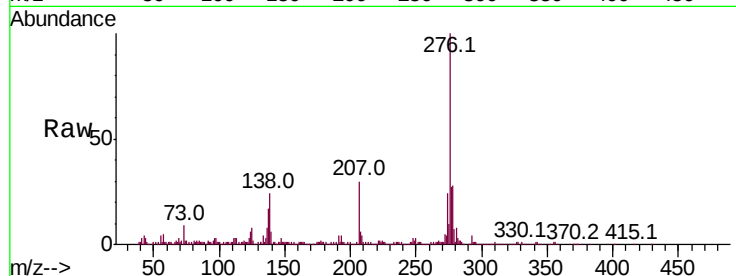
Tot Ion:276 Resp: 657616

Ion Ratio Lower Upper

276 100

138 23.6 20.3 30.5

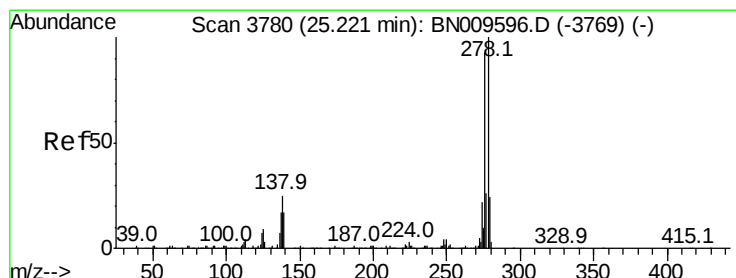
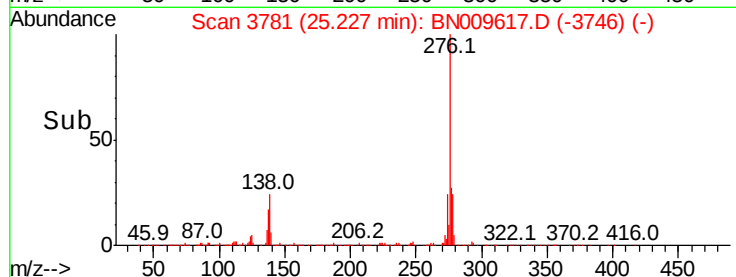
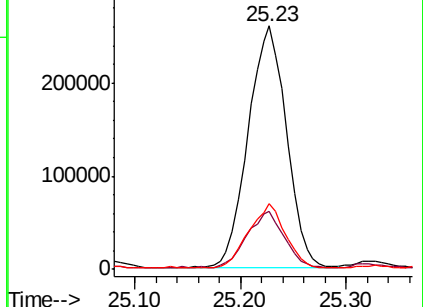
277 27.1 21.2 31.8



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



#92

Dibenzo(a,h)anthracene

Concen: 5.136 ng/ul

RT: 25.23 min Scan# 3781

Delta R.T. -0.01 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

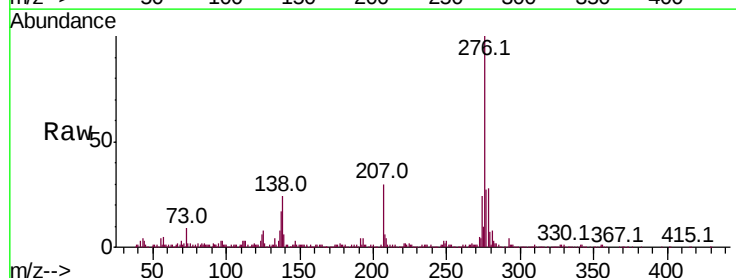
Tgt Ion:278 Resp: 210357

Ion Ratio Lower Upper

278 100

139 21.3 12.7 19.1#

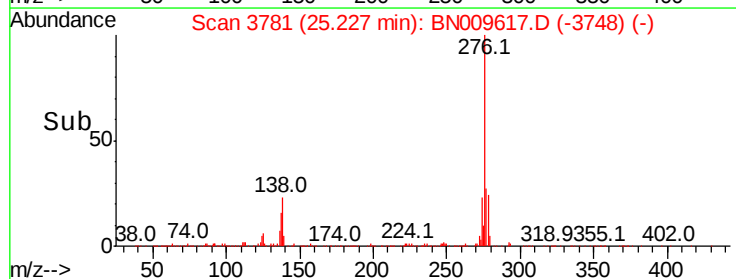
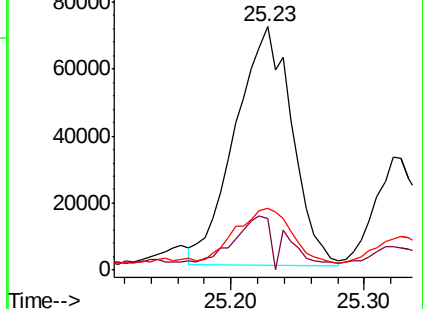
279 25.6 19.8 29.8

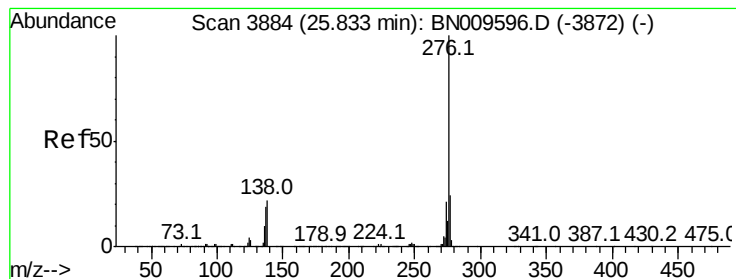


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 11.836 ng/ul

RT: 25.85 min Scan# 3887

Delta R.T. 0.00 min

Lab File: BN009617.D

Acq: 06 Feb 2020 19:47

Instrument :

BNA_N

ClientSampleId :

GAT44

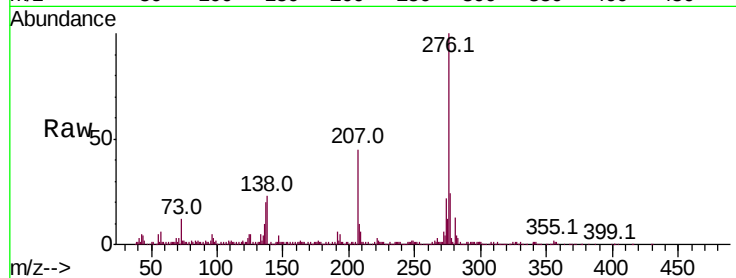
Tot Ion:276 Resp: 482700

Ion Ratio Lower Upper

276 100

138 23.1 16.0 24.0

277 23.7 17.0 25.6



Abundance Ion 276.00 (275.70 to 276.70): E

250000 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

