

Data File : BN009683.D
Acq On : 10 Feb 2020 13:12
Operator : CG/JU
Sample : L1324-04ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAT61ME

Quant Time: Feb 11 01:38:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 07 15:21:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	129248	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	525930	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	327090	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	664573	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	673349	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	699618	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	8997	2.86	ng/uL	0.00
5) Phenol-d5	6.63	99	159797	14.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	131088	17.31	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	129082	15.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.14	113	114526	12.76	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	73593	18.81	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	79458	18.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.82	165	131176	16.04	ng/ul	0.00
29) 4-Chloroaniline-d4	10.33	131	134121	15.26	ng/ul	0.00
43) Dimethylphthalate-d6	13.49	166	495579	20.75	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	509690	17.67	ng/ul	0.00
51) 4-Nitrophenol-d4	14.31	143	71343	15.82	ng/ul	0.00
57) Fluorene-d10	15.07	176	405374	19.31	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	59150	14.25	ng/ul	0.02
70) Anthracene-d10	16.93	188	590616	19.56	ng/ul	0.00
78) Pyrene-d10	19.23	212	626361	17.70	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	619822	17.99	ng/ul	0.00

Target Compounds

					Qvalue	
4) Benzaldehyde	6.60	77	12909	1.669	ng/ul#	1
14) Acetophenone	8.25	105	45380	3.159	ng/ul	96
17) Hexachloroethane	8.45	117	32281	8.273	ng/ul#	8
30) 4-Chloroaniline	10.26	127	3909432	430.601	ng/ul#	9
34) 2-Methylnaphthalene	11.86	142	8356440	418.677	ng/ul	99
40) 1,1'-Biphenyl	12.89	154	1915358	75.209	ng/ul	99
44) Dimethylphthalate	13.54	163	98968	3.906	ng/ul	99
47) Acenaphthylene	13.79	152	7421121	235.045	ng/ul	99
49) Acenaphthene	14.13	153	493693	23.001	ng/ul	96
53) Dibenzofuran	14.47	168	653438	21.862	ng/ul	95
54) 2,4-Dinitrotoluene	14.48	165	19437	2.678	ng/ul#	1
58) Fluorene	15.13	166	3869613	154.914	ng/ul	98
60) 4-Nitroaniline	15.13	138	43880	7.672	ng/ul#	15
64) N-Nitrosodiphenylamine	15.35	169	38003	1.913	ng/ul#	56
69) Phenanthrene	16.88	178	17366138	458.211	ng/ul	95
71) Anthracene	16.96	178	3623108	94.216	ng/ul	99
74) Carbazole	17.23	167	124060	3.705	ng/ul	98
76) Fluoranthene	19.05	202	2526626	58.411	ng/ul	99
79) Pyrene	19.27	202	10725240	218.195	ng/ul	95
82) Benzo(a)anthracene	21.08	228	3568621	76.759	ng/ul	92
84) Chrysene	21.08	228	3569814	77.130	ng/ul	97
87) Benzo(b)fluoranthene	22.55	252	3075836	70.270	ng/ul	99
88) Benzo(k)fluoranthene	22.55	252	3075836	71.353	ng/ul	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021020\
Quantitation Report (Not Reviewed)

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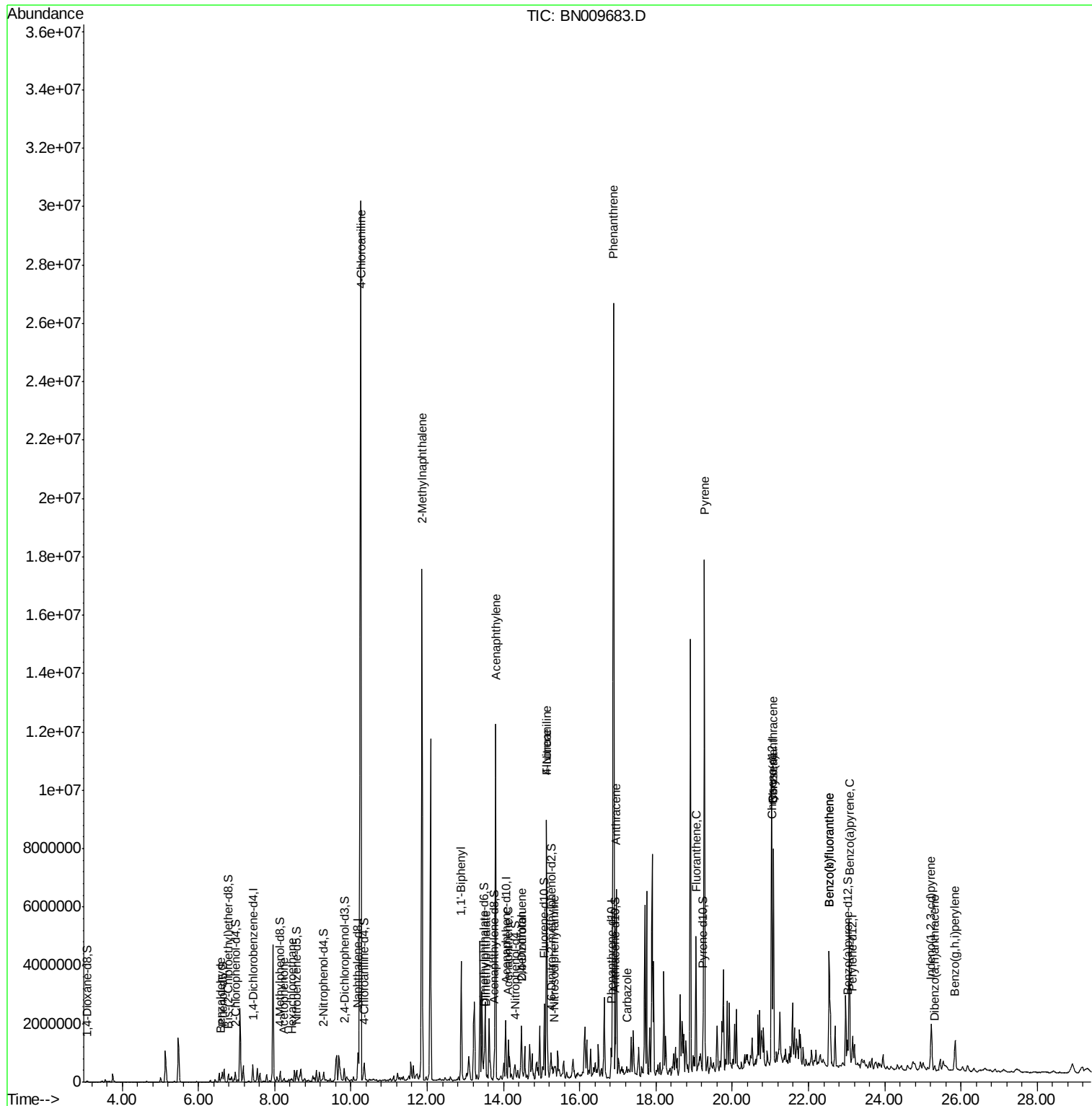
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	23.07	252	2756572	67.971	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.22	276	1279584	26.539	ng/ul	96
92) Dibenzo(a,h)anthracene	25.32	278	131095	3.230	ng/ul	97
93) Benzo(g,h,i)perylene	25.85	276	1098877	27.193	ng/ul	98

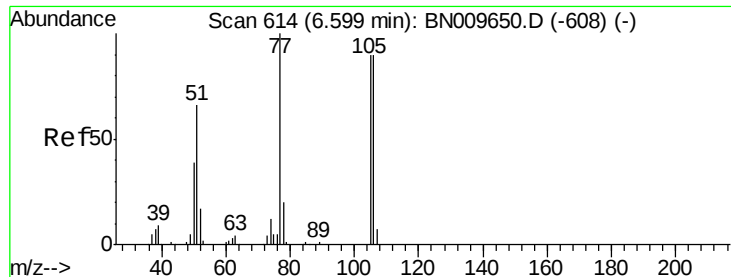
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.669 ng/ul

RT: 6.60 min Scan# 614

Delta R.T. 0.00 min

Lab File: BN009683.D

Acq: 10 Feb 2020 13:12

Instrument :

BNA_N

ClientSampleId :

GAT61ME

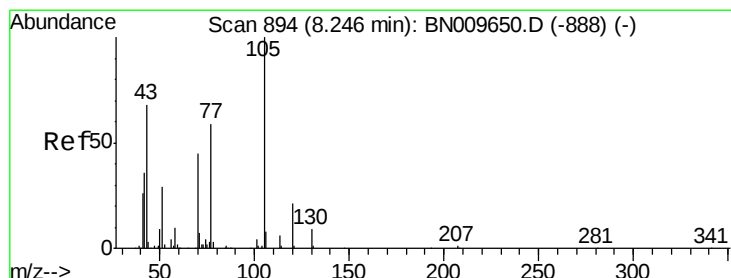
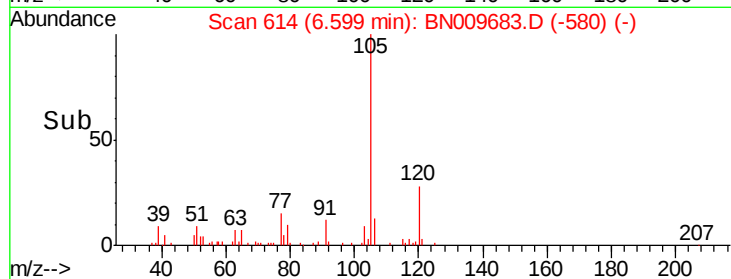
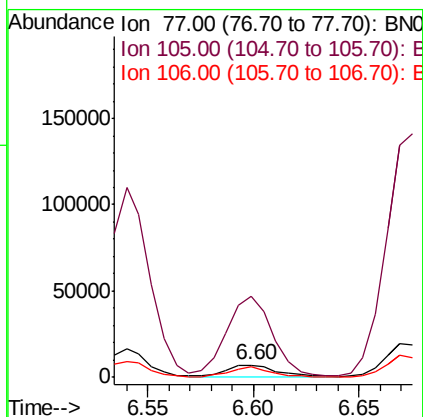
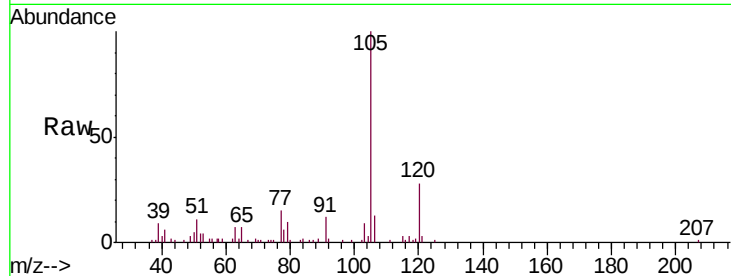
Tgt Ion: 77 Resp: 12909

Ion Ratio Lower Upper

77 100

105 661.5 74.5 111.7#

106 87.2 70.8 106.2



#14

Acetophenone

Concen: 3.159 ng/ul

RT: 8.25 min Scan# 894

Delta R.T. 0.00 min

Lab File: BN009683.D

Acq: 10 Feb 2020 13:12

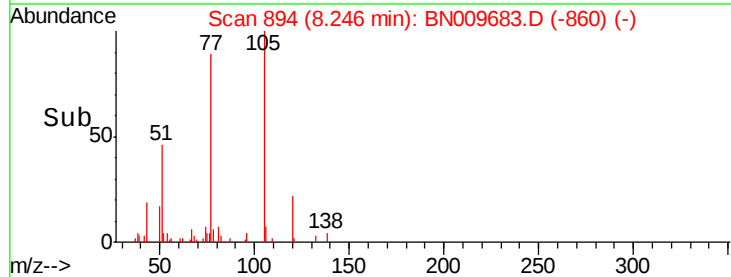
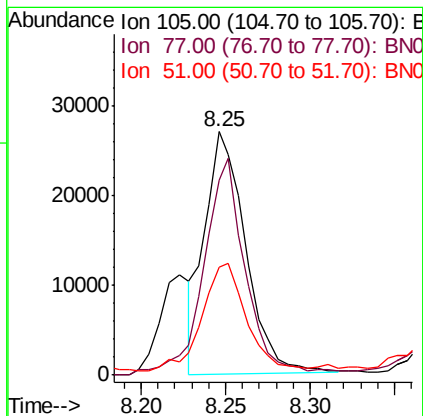
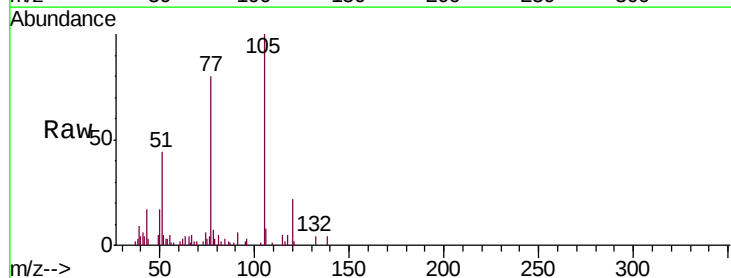
Tgt Ion: 105 Resp: 45380

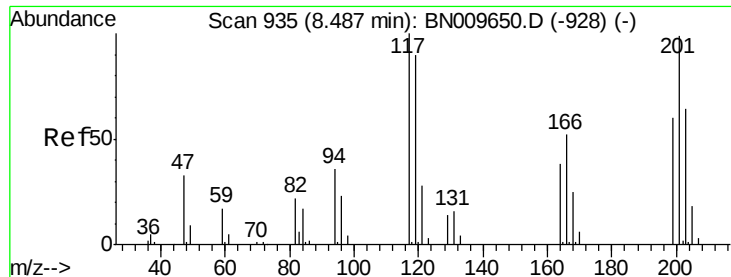
Ion Ratio Lower Upper

105 100

77 80.1 67.7 101.5

51 44.4 34.3 51.5

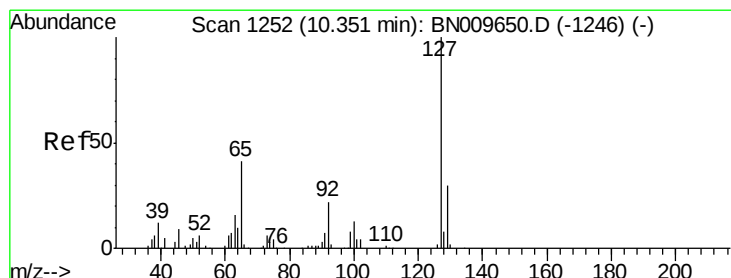
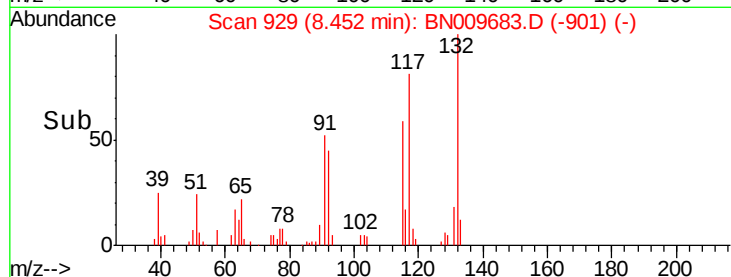
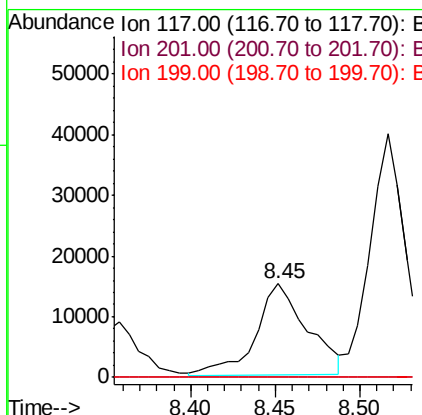
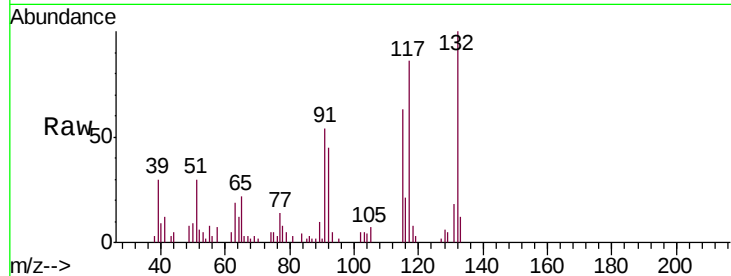




#17
Hexachloroethane
Concen: 8.273 ng/ul
RT: 8.45 min Scan# 929
Delta R.T. -0.04 min
Lab File: BN009683.D
Acq: 10 Feb 2020 13:12

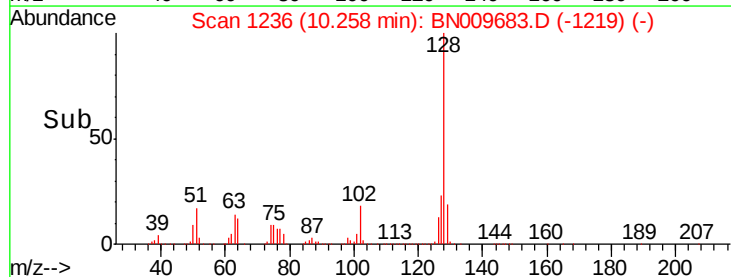
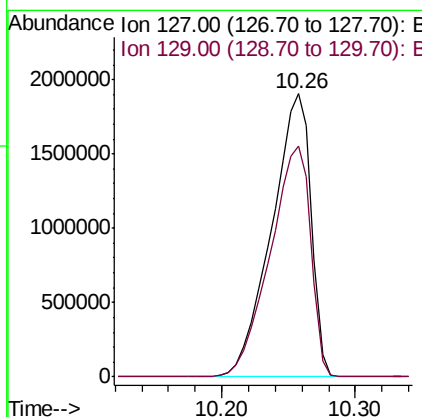
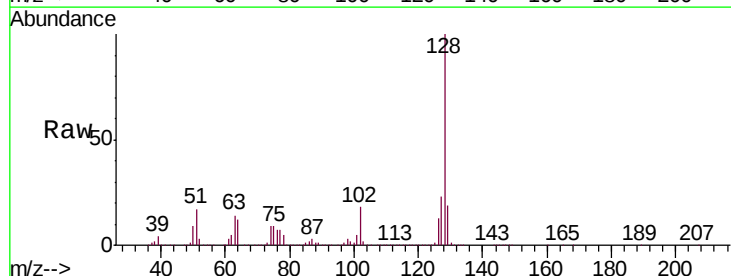
Instrument :
BNA_N
ClientSampled :
GAT61ME

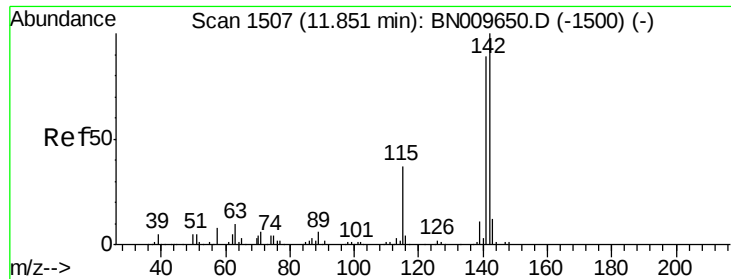
Tgt Ion:117 Resp: 32281
Ion Ratio Lower Upper
117 100
201 0.0 78.8 118.2#
199 0.0 49.0 73.4#



#30
4-Chloroaniline
Concen: 430.601 ng/ul
RT: 10.26 min Scan# 1236
Delta R.T. -0.10 min
Lab File: BN009683.D
Acq: 10 Feb 2020 13:12

Tgt Ion:127 Resp: 3909432
Ion Ratio Lower Upper
127 100
129 81.7 25.2 37.8#

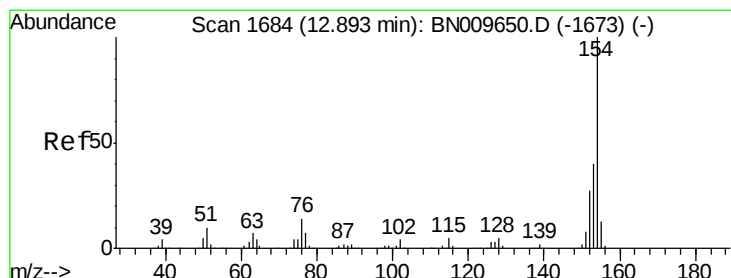
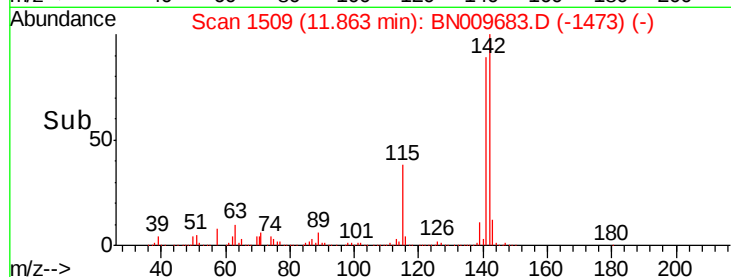
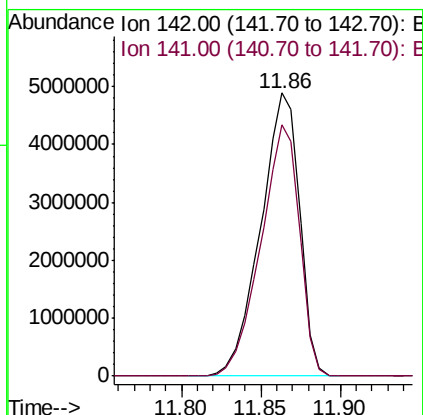
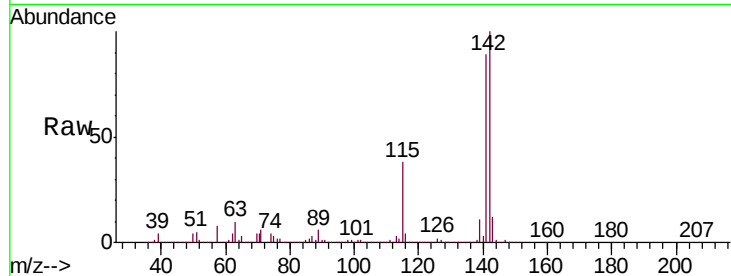




#34
 2-Methylnaphthalene
 Concen: 418.677 ng/ul
 RT: 11.86 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: BN009683.D
 Acq: 10 Feb 2020 13:12

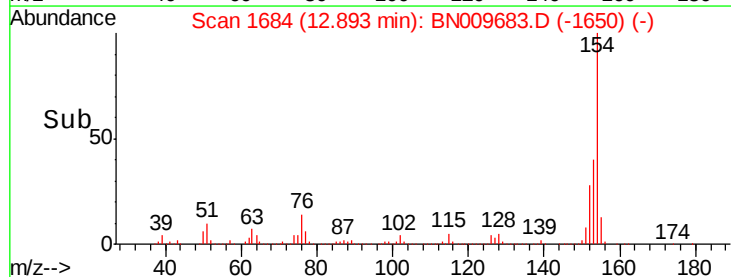
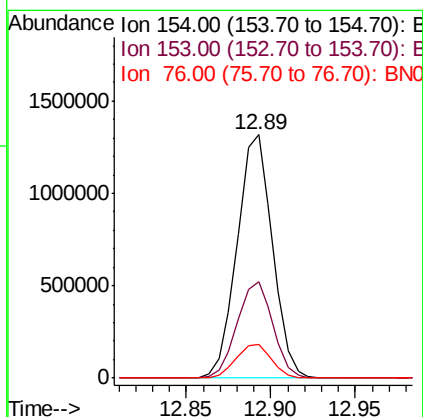
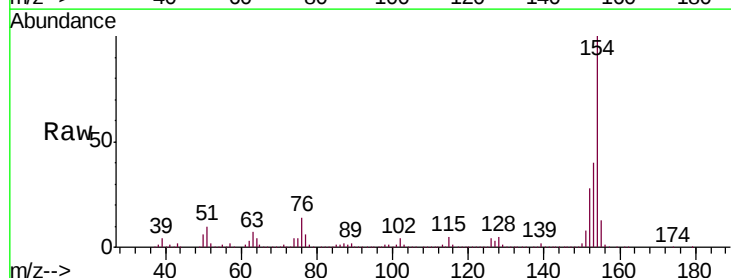
Instrument :
 BNA_N
 ClientSampleId :
 GAT61ME

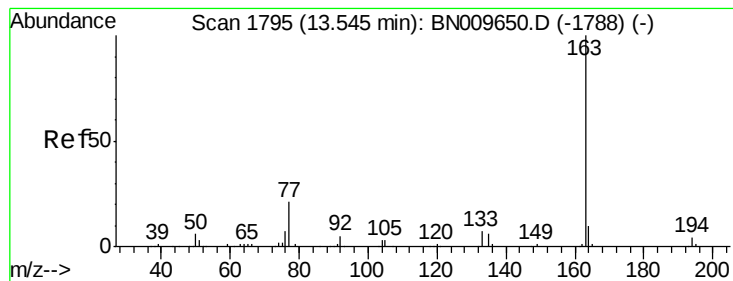
Tgt Ion:142 Resp: 8356440
 Ion Ratio Lower Upper
 142 100
 141 88.6 71.5 107.3



#40
 1,1'-Biphenyl
 Concen: 75.209 ng/ul
 RT: 12.89 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: BN009683.D
 Acq: 10 Feb 2020 13:12

Tgt Ion:154 Resp: 1915358
 Ion Ratio Lower Upper
 154 100
 153 39.9 31.2 46.8
 76 13.8 11.4 17.2





#44

Dimethylphthalate

Concen: 3.906 ng/ul

RT: 13.54 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BN009683.D

Acq: 10 Feb 2020 13:12

Instrument :

BNA_N

ClientSampleId :

GAT61ME

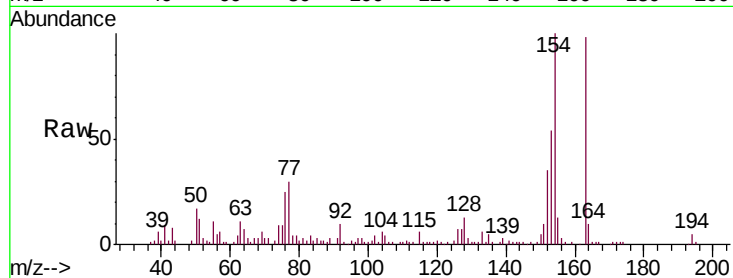
Tgt Ion:163 Resp: 98968

Ion Ratio Lower Upper

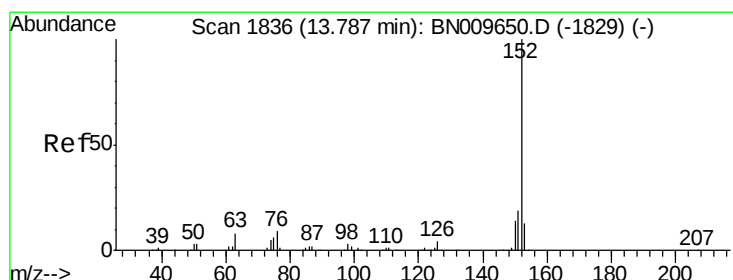
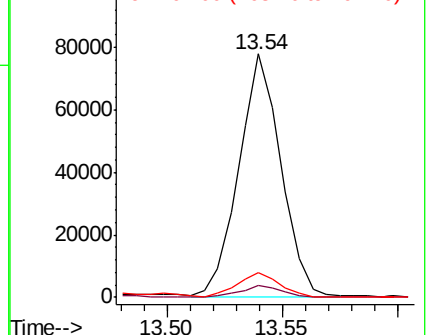
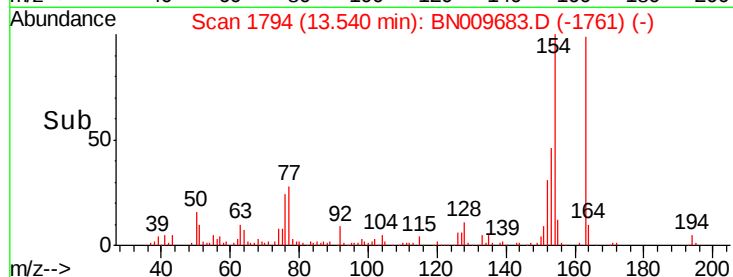
163 100

194 4.7 3.5 5.3

164 10.4 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: 235.045 ng/ul

RT: 13.79 min Scan# 1837

Delta R.T. 0.01 min

Lab File: BN009683.D

Acq: 10 Feb 2020 13:12

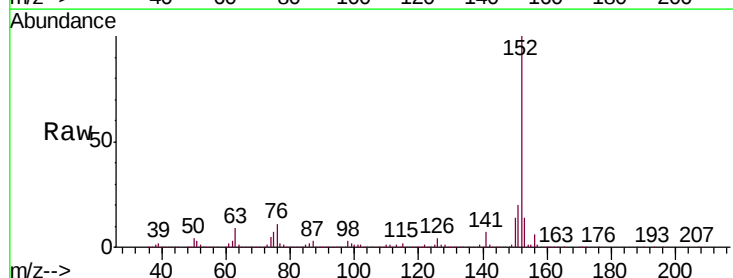
Tgt Ion:152 Resp: 7421121

Ion Ratio Lower Upper

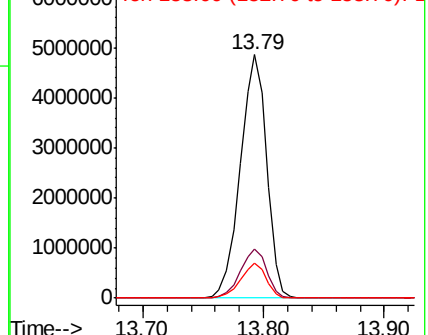
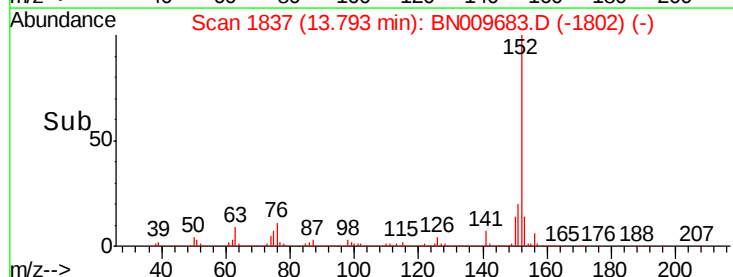
152 100

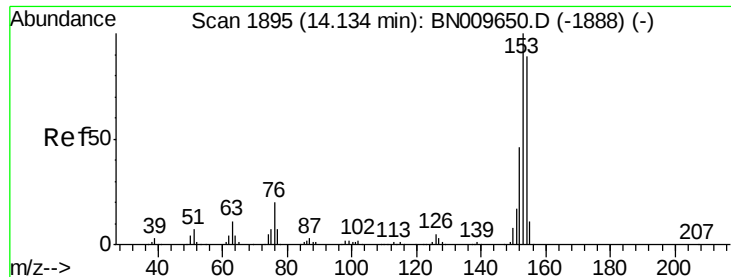
151 20.1 16.2 24.2

153 14.3 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: 23.001 ng/ul

RT: 14.13 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN009683.D

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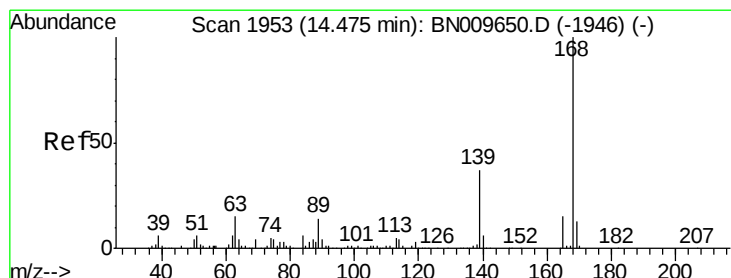
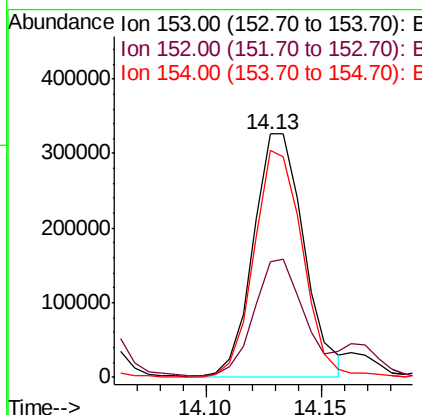
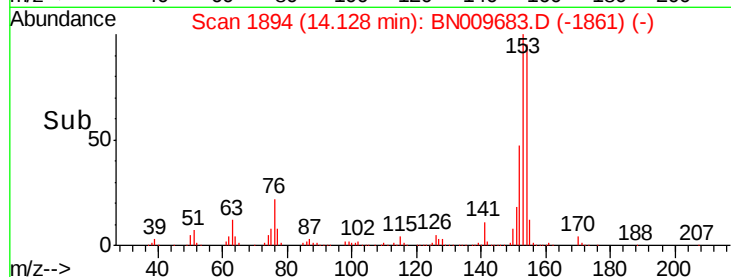
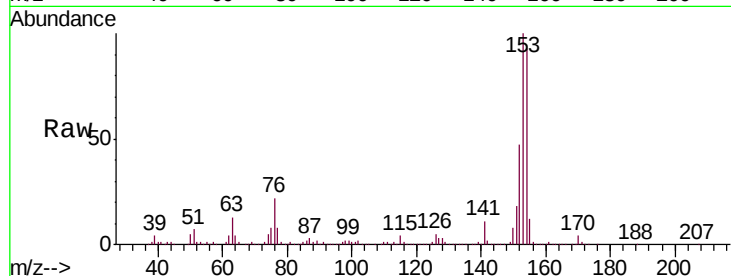
Tgt Ion:153 Resp: 493693

Ion Ratio Lower Upper

153 100

152 47.4 37.3 55.9

154 93.0 70.2 105.2



#53

Dibenzofuran

Concen: 21.862 ng/ul

RT: 14.47 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN009683.D

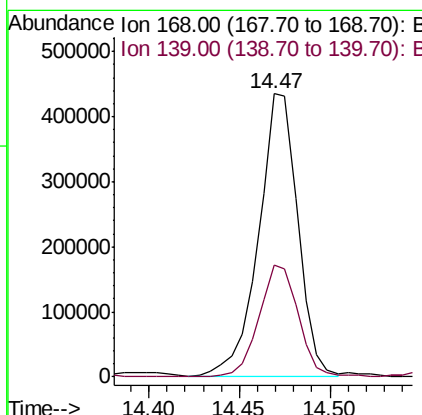
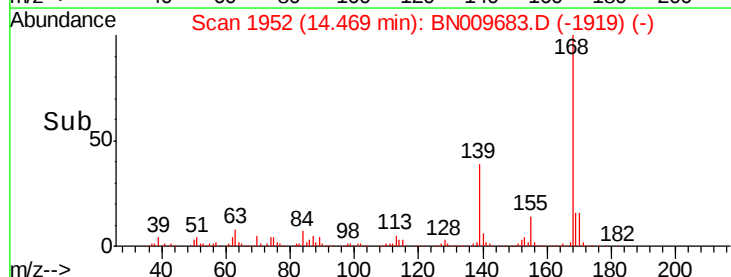
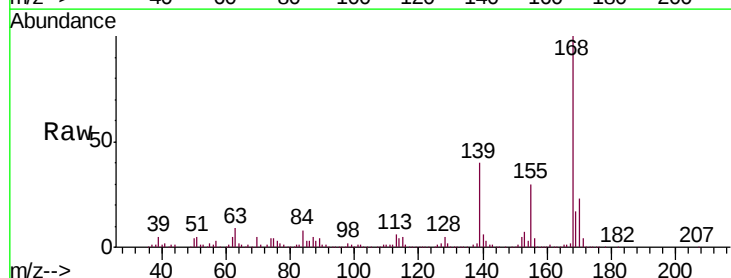
Acq: 10 Feb 2020 13:12

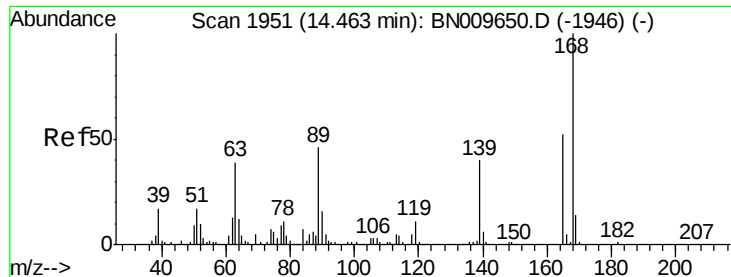
Tgt Ion:168 Resp: 653438

Ion Ratio Lower Upper

168 100

139 39.7 29.5 44.3

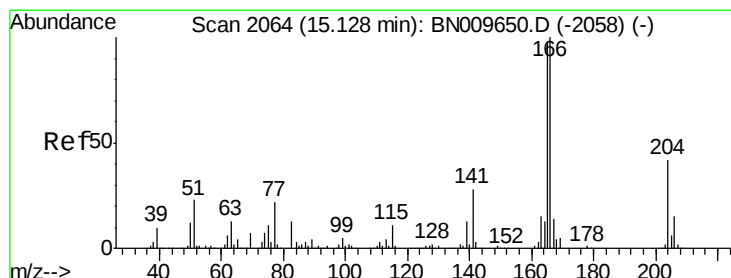
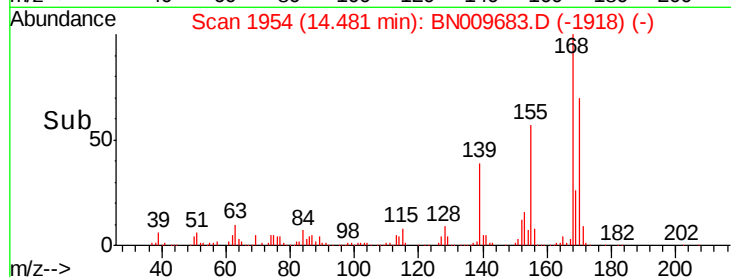
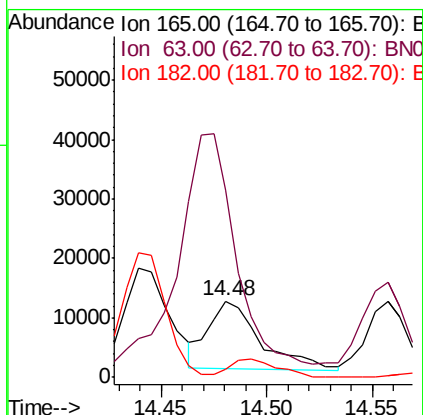
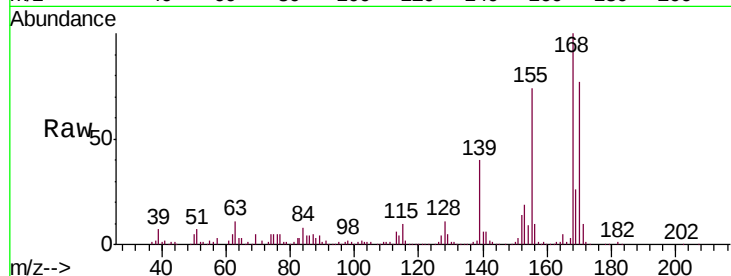




#54
 2,4-Dinitrotoluene
 Concen: 2.678 ng/ul
 RT: 14.48 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: BN009683.D
 Acq: 10 Feb 2020 13:12

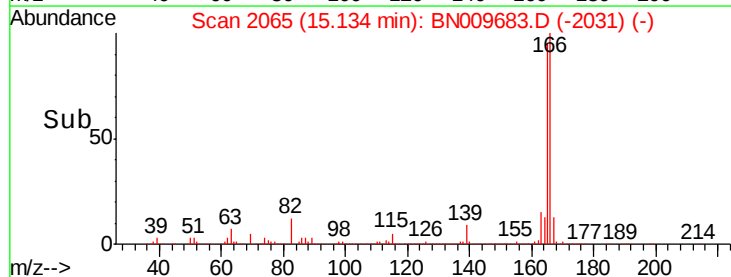
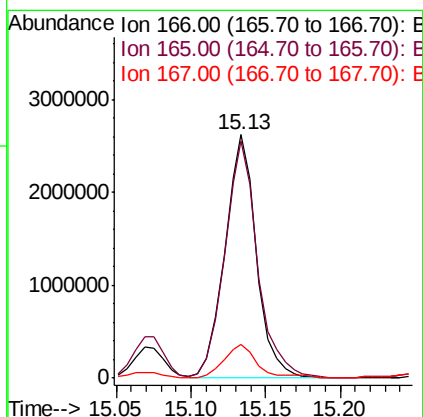
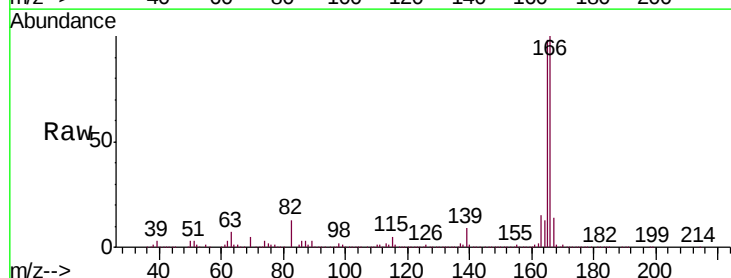
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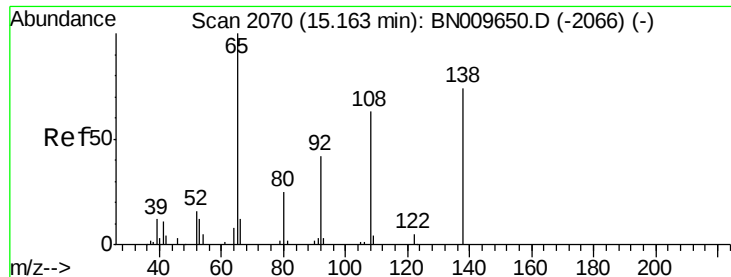
Tgt Ion:165 Resp: 19437
 Ion Ratio Lower Upper
 165 100
 63 244.0 55.0 82.4#
 182 11.1 2.4 3.6#



#58
 Fluorene
 Concen: 154.914 ng/ul
 RT: 15.13 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: BN009683.D
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Tgt Ion:166 Resp: 3869613
 Ion Ratio Lower Upper
 166 100
 165 97.6 76.7 115.1
 167 13.6 11.1 16.7

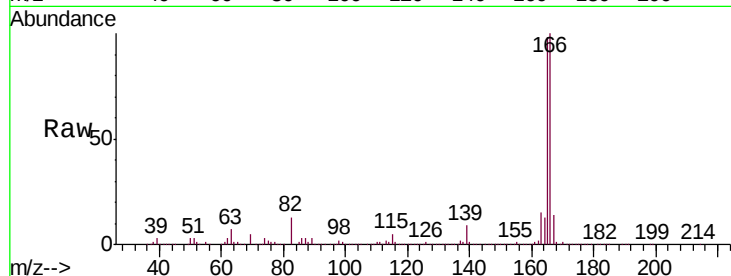




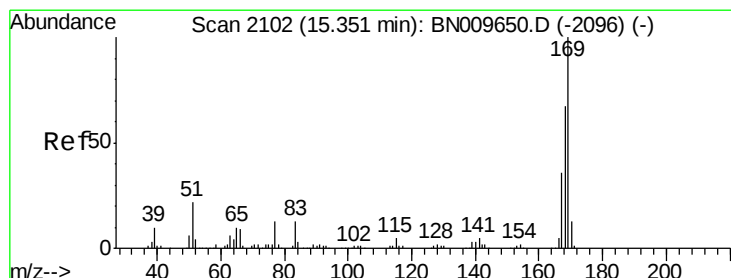
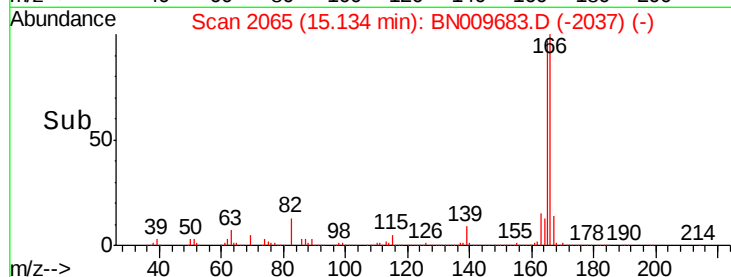
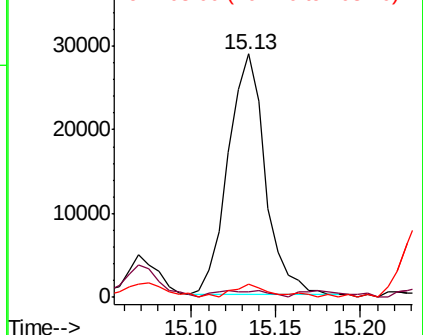
#60
4-Nitroaniline
Concen: 7.672 ng/ul
RT: 15.13 min Scan# 2065
Delta R.T. -0.04 min
Lab File: BN009683.D
Acq: 10 Feb 2020 13:12

Instrument :
BNA_N
ClientSampleId :
GAT61ME

Tgt Ion:138 Resp: 43880
Ion Ratio Lower Upper
138 100
92 2.3 46.1 69.1#
108 5.3 75.1 112.7#

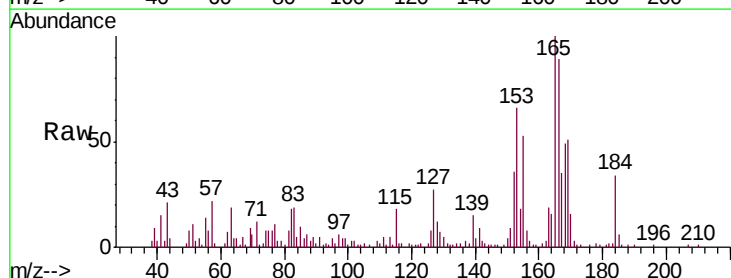


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BNA_N
Ion 108.00 (107.70 to 108.70): E

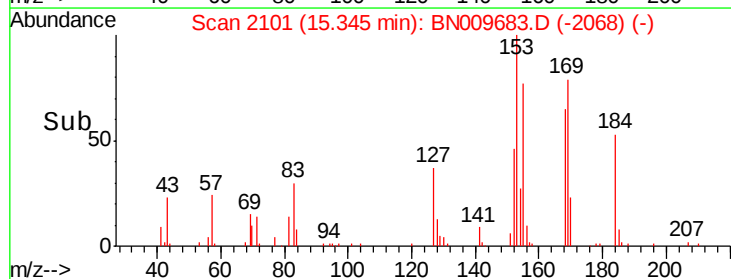
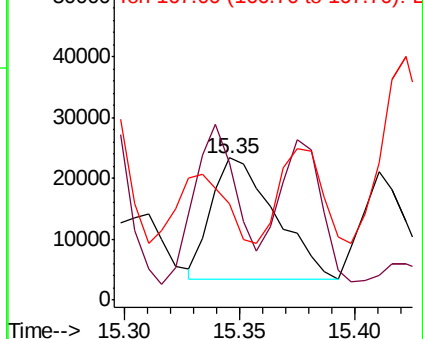


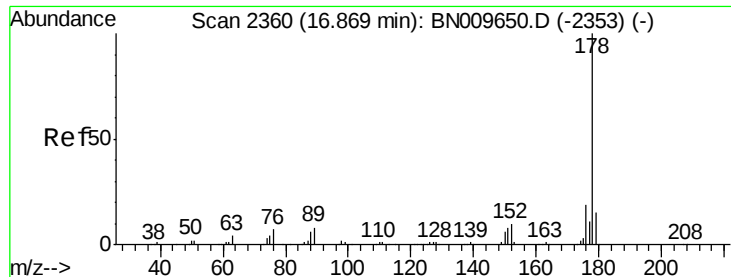
#64
N-Nitrosodiphenylamine
Concen: 1.913 ng/ul
RT: 15.35 min Scan# 2101
Delta R.T. -0.01 min
Lab File: BN009683.D
Acq: 10 Feb 2020 13:12

Tgt Ion:169 Resp: 38003
Ion Ratio Lower Upper
169 100
168 96.2 53.8 80.8#
167 68.1 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: 458.211 ng/ul

RT: 16.88 min Scan# 2362

Delta R.T. 0.01 min

Lab File: BN009683.D

Acq: 10 Feb 2020 13:12

Instrument :

BNA_N

ClientSampleId :

GAT61ME

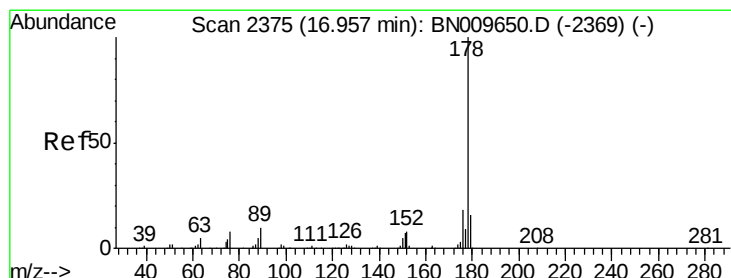
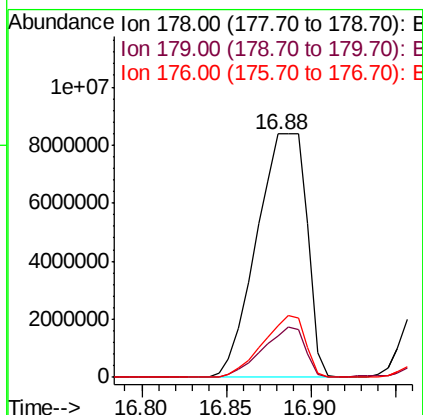
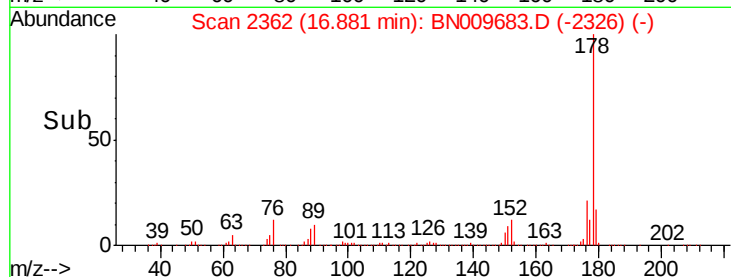
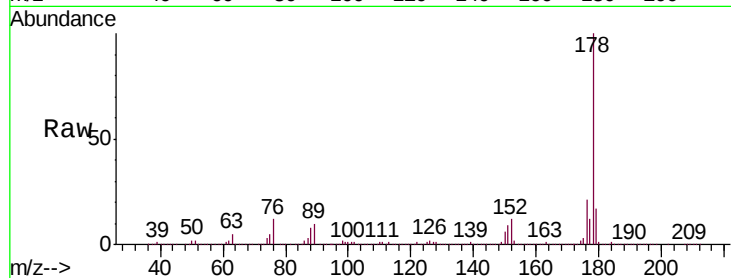
Tgt Ion:178 Resp:17366138

Ion Ratio Lower Upper

178 100

179 17.1 12.2 18.2

176 21.1 14.8 22.2



#71

Anthracene

Concen: 94.216 ng/ul

RT: 16.96 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BN009683.D

Acq: 10 Feb 2020 13:12

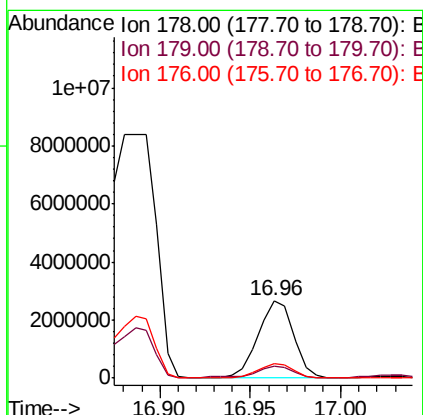
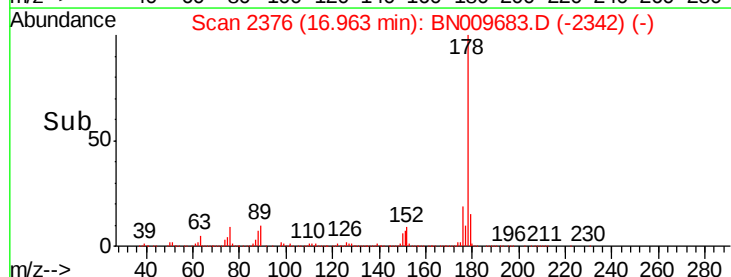
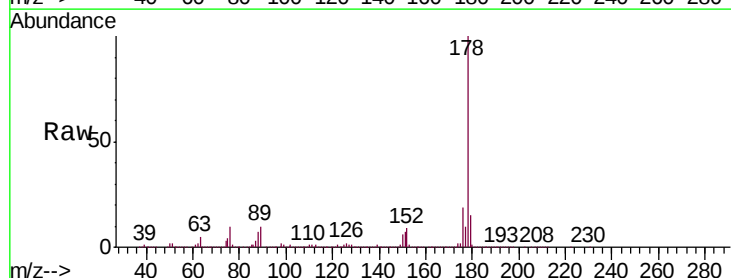
Tgt Ion:178 Resp: 3623108

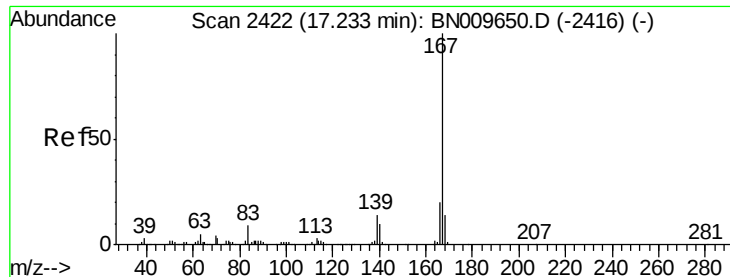
Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

176 18.5 14.6 21.8

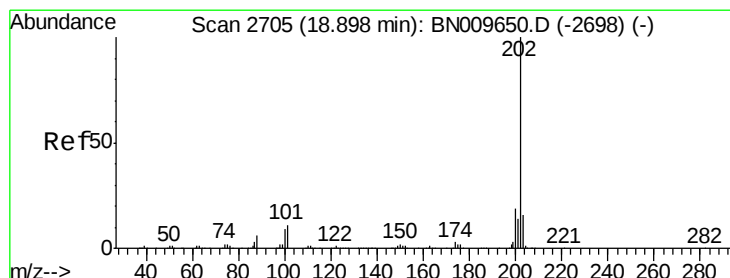
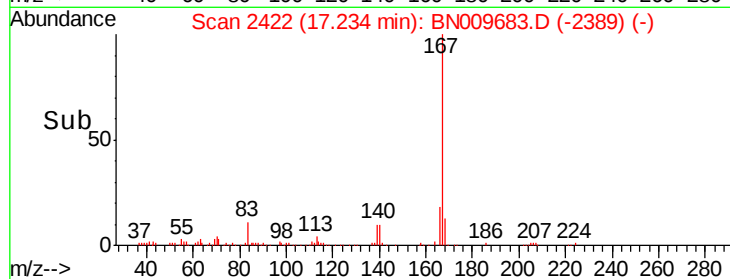
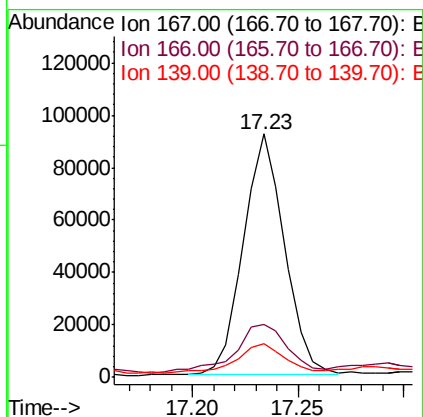
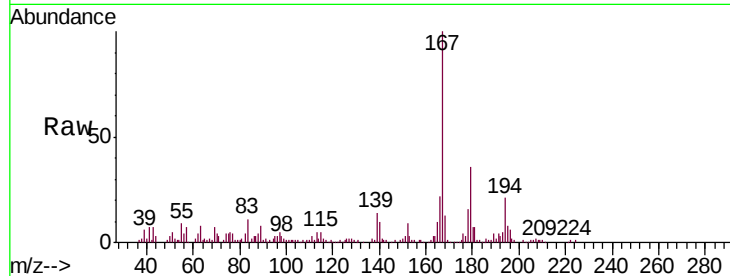




#74
 Carbazole
 Concen: 3.705 ng/ul
 RT: 17.23 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BN009683.D
 Acq: 10 Feb 2020 13:12

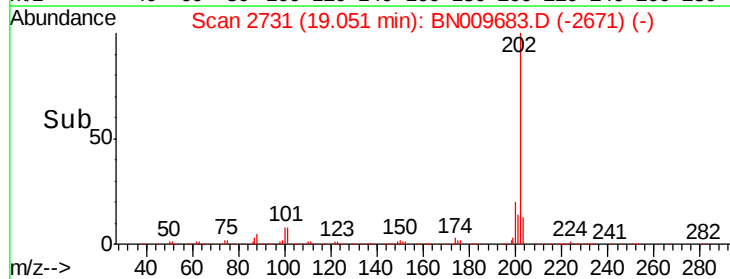
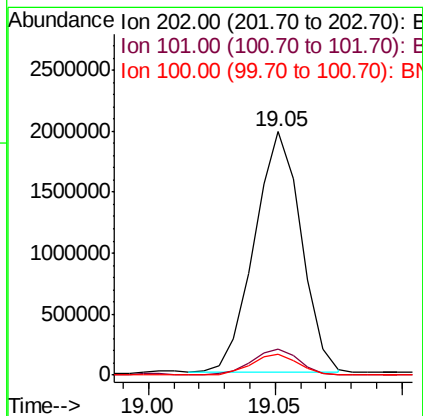
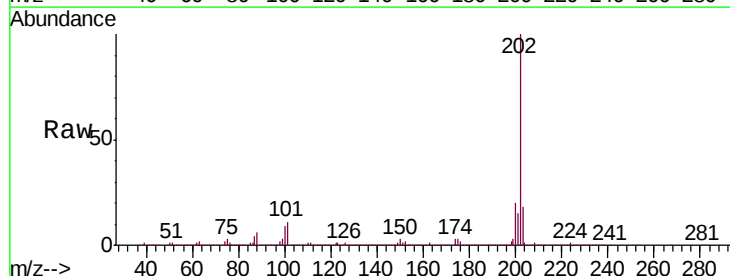
Instrument :
 BNA_N
 ClientSampleId :
 GAT61ME

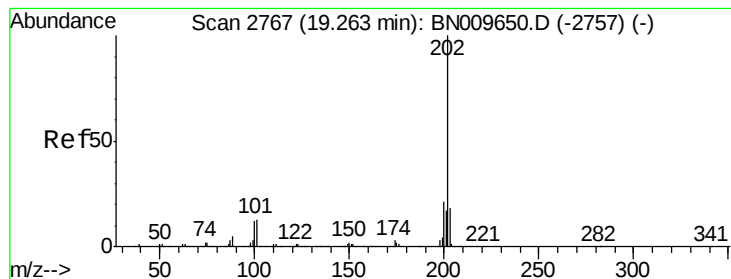
Tgt Ion:	167	Resp:	124060
Ion	Ratio	Lower	Upper
167	100		
166	21.6	16.2	24.4
139	13.6	10.4	15.6



#76
 Fluoranthene
 Concen: 58.411 ng/ul
 RT: 19.05 min Scan# 2731
 Delta R.T. 0.15 min
 Lab File: BN009683.D
 Acq: 10 Feb 2020 13:12

Tgt Ion:	202	Resp:	2526626
Ion	Ratio	Lower	Upper
202	100		
101	10.8	9.2	13.8
100	8.5	6.9	10.3





#79

Pyrene

Concen: 218.195 ng/ul

RT: 19.27 min Scan# 2769

Delta R.T. 0.01 min

Lab File: BN009683.D

Acq: 10 Feb 2020 13:12

Instrument :

BNA_N

ClientSampleId :

GAT61ME

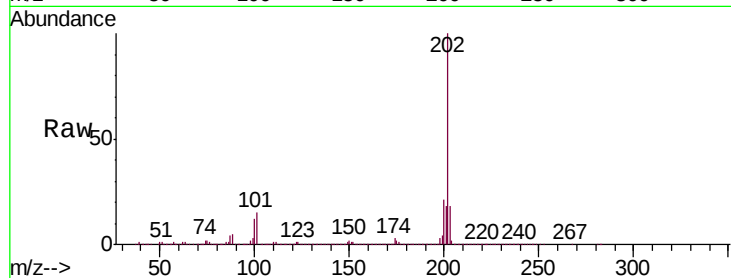
Tgt Ion:202 Resp:10725240

Ion Ratio Lower Upper

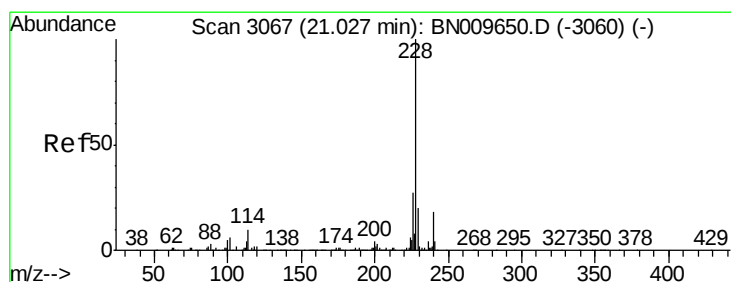
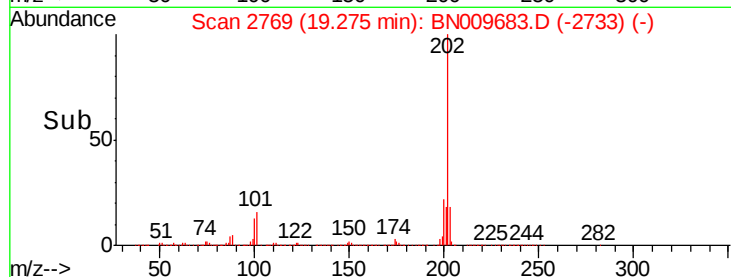
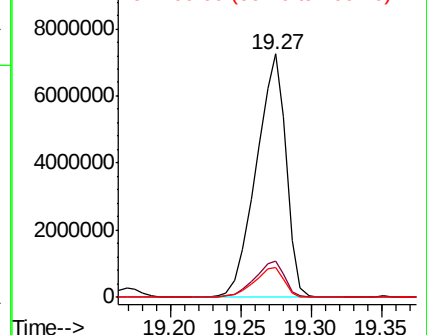
202 100

101 15.0 10.3 15.5

100 12.5 8.4 12.6



Abundance Ion 202.00 (201.70 to 202.70): E
1e+07
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 76.759 ng/ul

RT: 21.08 min Scan# 3076

Delta R.T. 0.05 min

Lab File: BN009683.D

Acq: 10 Feb 2020 13:12

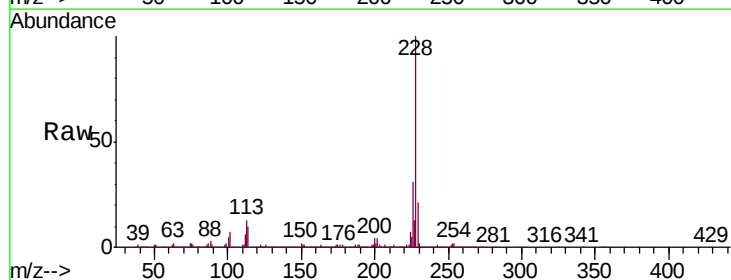
Tgt Ion:228 Resp: 3568621

Ion Ratio Lower Upper

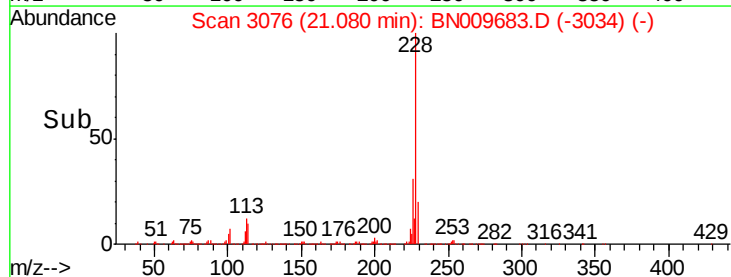
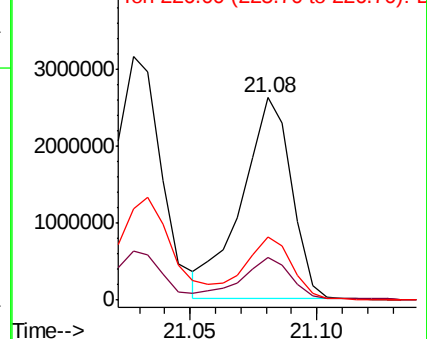
228 100

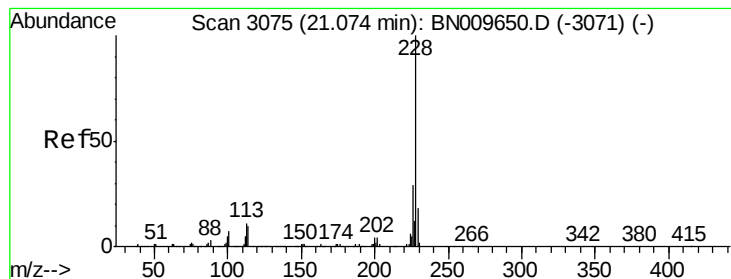
229 21.1 15.0 22.4

226 31.2 20.9 31.3



Abundance Ion 228.00 (227.70 to 228.70): E
4000000
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 77.130 ng/ul

RT: 21.08 min Scan# 3076

Delta R.T. 0.00 min

Lab File: BN009683.D

Acq: 10 Feb 2020 13:12

Instrument :

BNA_N

ClientSampleId :

GAT61ME

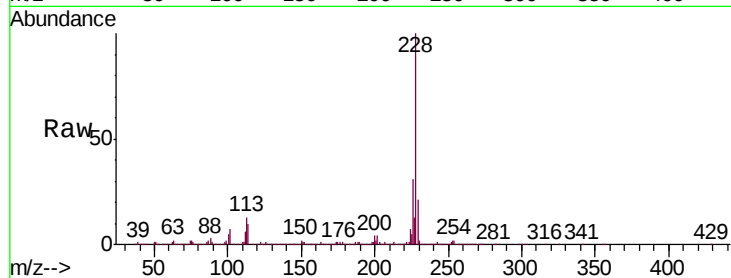
Tgt Ion:228 Resp: 3569814

Ion Ratio Lower Upper

228 100

226 31.2 23.5 35.3

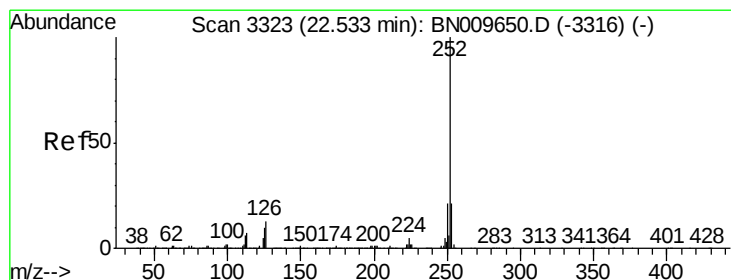
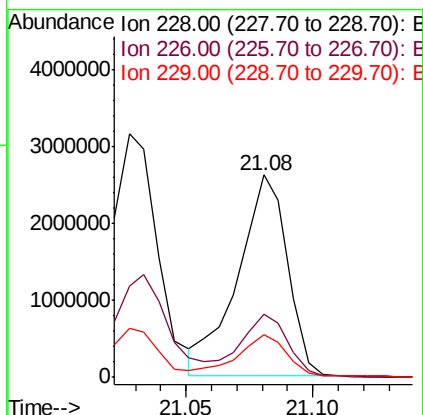
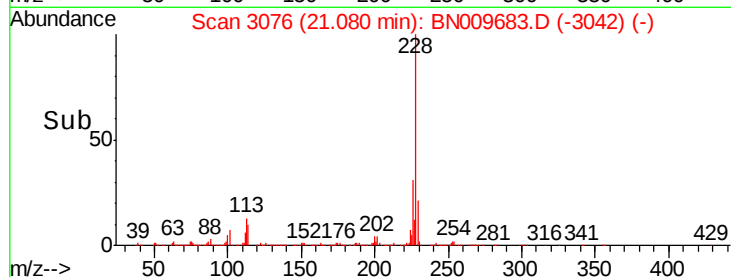
229 21.1 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 70.270 ng/ul

RT: 22.55 min Scan# 3325

Delta R.T. 0.00 min

Lab File: BN009683.D

Acq: 10 Feb 2020 13:12

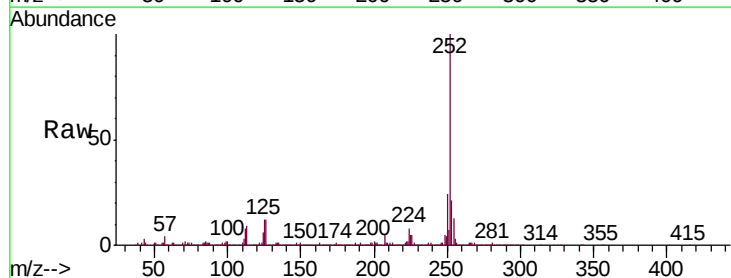
Tgt Ion:252 Resp: 3075836

Ion Ratio Lower Upper

252 100

253 21.5 17.0 25.6

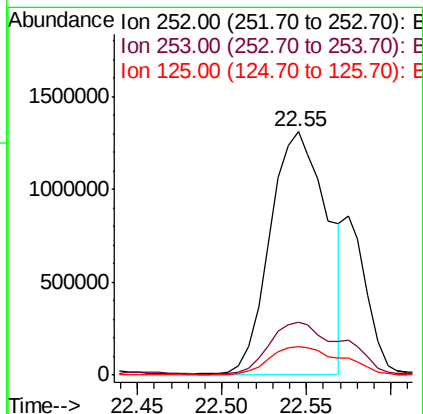
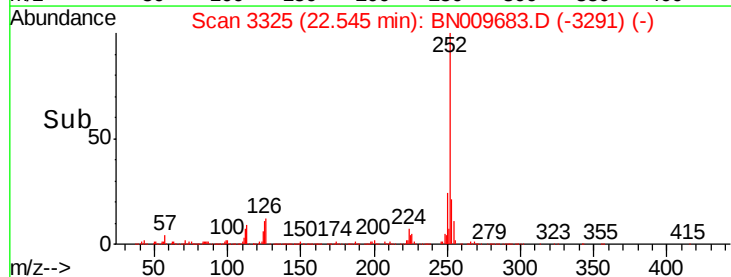
125 11.5 8.2 12.2

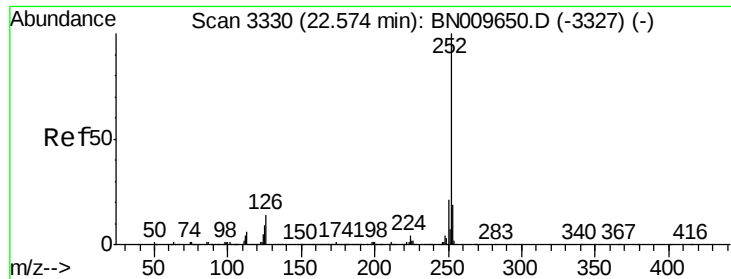


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 71.353 ng/ul

RT: 22.55 min Scan# 3325

Delta R.T. -0.04 min

Lab File: BN009683.D

Acq: 10 Feb 2020 13:12

Instrument :

BNA_N

ClientSampleId :

GAT61ME

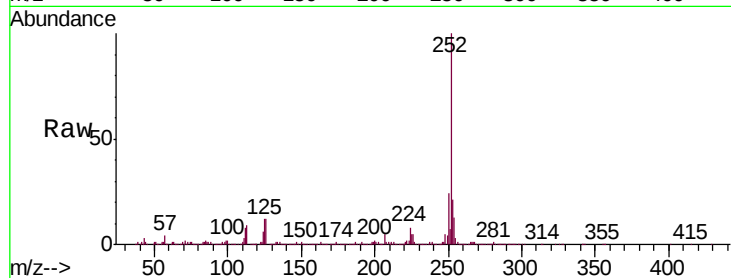
Tgt Ion:252 Resp: 3075836

Ion Ratio Lower Upper

252 100

253 21.5 17.0 25.4

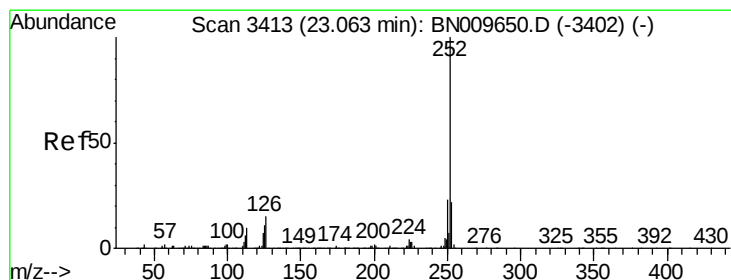
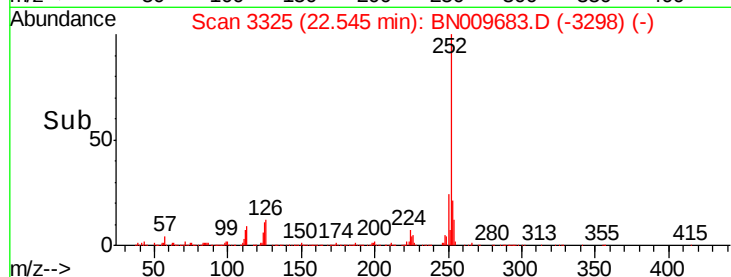
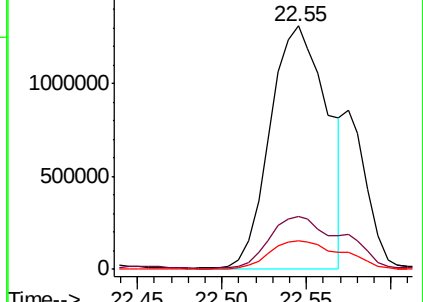
125 11.5 8.0 12.0



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: 67.971 ng/ul

RT: 23.07 min Scan# 3415

Delta R.T. 0.00 min

Lab File: BN009683.D

Acq: 10 Feb 2020 13:12

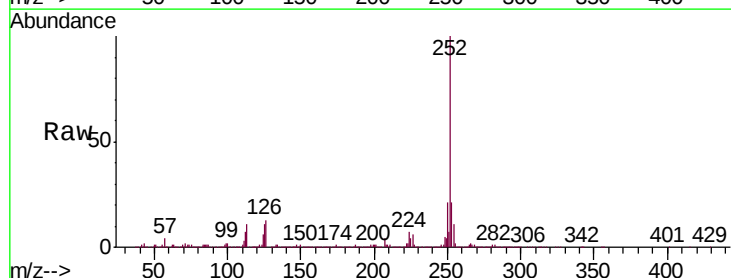
Tgt Ion:252 Resp: 2756572

Ion Ratio Lower Upper

252 100

253 20.9 15.8 23.8

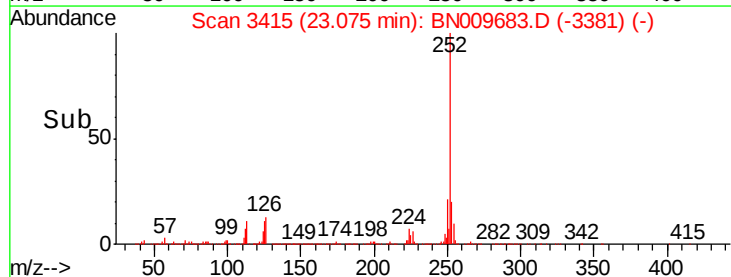
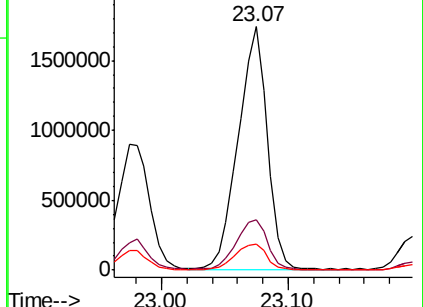
125 10.9 8.7 13.1

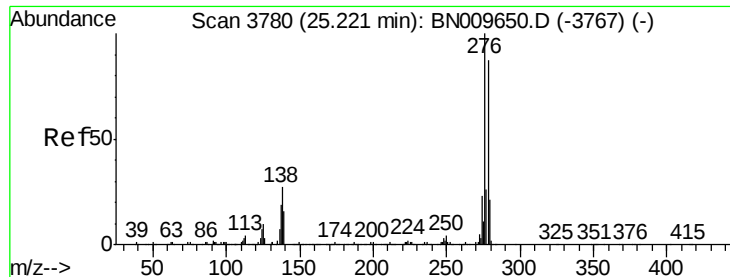


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



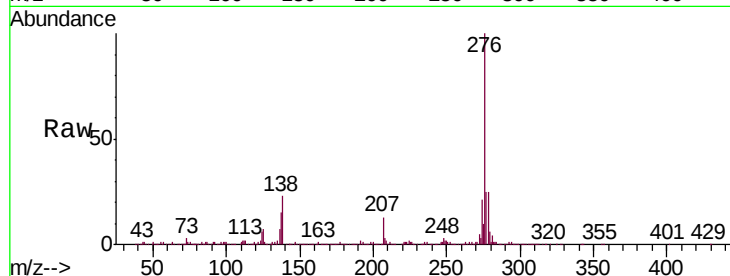


#91

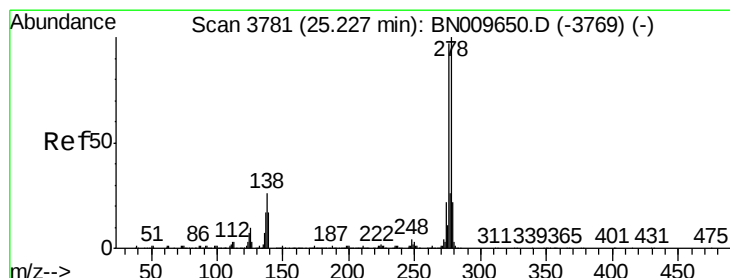
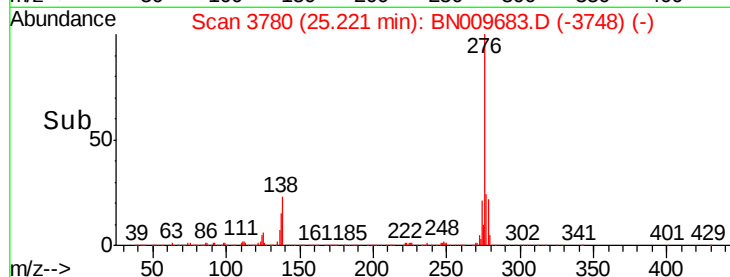
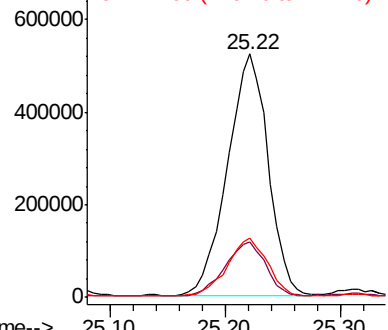
Indeno(1,2,3-cd)pyrene
Concen: 26.539 ng/u1
RT: 25.22 min Scan# 3780
Delta R.T. -0.01 min
Lab File: BN009683.D
Acq: 10 Feb 2020 13:12

Instrument :
BNA_N
ClientSampleId :
GAT61ME

Tgt Ion:276 Resp: 1279584
Ion Ratio Lower Upper
276 100
138 22.8 20.3 30.5
277 24.5 21.2 31.8



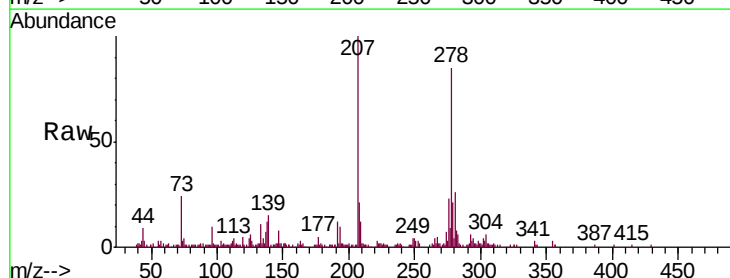
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



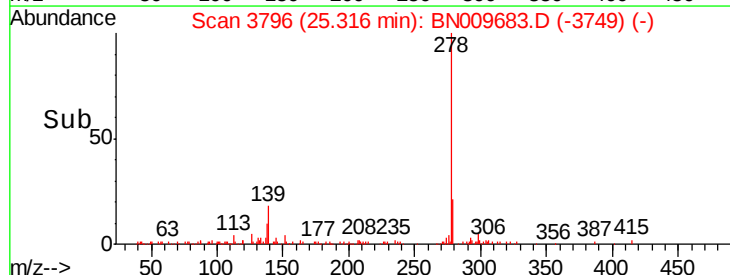
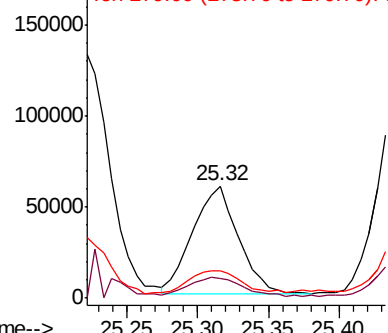
#92

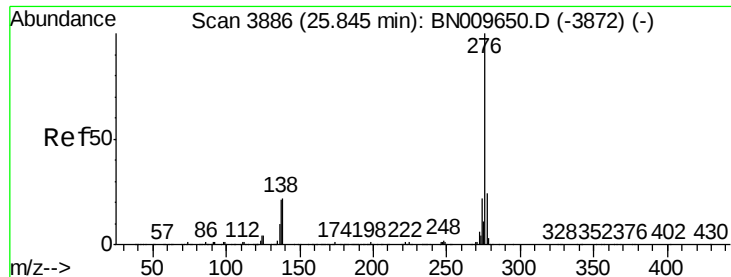
Dibenzo(a,h)anthracene
Concen: 3.230 ng/u1
RT: 25.32 min Scan# 3796
Delta R.T. 0.08 min
Lab File: BN009683.D
Acq: 10 Feb 2020 13:12

Tgt Ion:278 Resp: 131095
Ion Ratio Lower Upper
278 100
139 18.0 12.7 19.1
279 24.1 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: 27.193 ng/ul

RT: 25.85 min Scan# 3887

Delta R.T. -0.01 min

Lab File: BN009683.D

Acq: 10 Feb 2020 13:12

Instrument :

BNA_N

ClientSampleId :

GAT61ME

Tgt Ion:276 Resp: 1098877

Ion Ratio Lower Upper

276 100

138 20.0 16.0 24.0

277 23.2 17.0 25.6

