

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
 Data File : BN009684.D
 Acq On : 10 Feb 2020 14:24
 Operator : CG/JU
 Sample : L1324-15ME
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT70ME

Manual Integrations
 APPROVED

mohammad
 2/12/2020 9:51:18 AM

Quant Time: Feb 11 10:13:37 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	128327	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	521161	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	329947	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	678709	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	639097	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	663002	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	9045	2.89	ng/uL	0.00
5) Phenol-d5	6.63	99	195195	17.44	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	146763	19.52	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	152679	18.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.14	113	158190	17.75	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	81448	21.01	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	87014	20.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.82	165	154086	19.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.33	131	191921	22.03	ng/ul	0.00
43) Dimethylphthalate-d6	13.49	166	522382	21.69	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	607778	20.88	ng/ul	0.00
51) 4-Nitrophenol-d4	14.31	143	75549	16.61	ng/ul	0.00
57) Fluorene-d10	15.07	176	464270	21.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	48971	11.55	ng/ul	0.01
70) Anthracene-d10	16.93	188	707067	22.93	ng/ul	0.00
78) Pyrene-d10	19.23	212	760300	22.63	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	762671	23.36	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.25	128	22585010m	799.127	ng/ul
34) 2-Methylnaphthalene	11.86	142	8434497	426.454	ng/ul 98
40) 1,1'-Biphenyl	12.89	154	1455464	56.656	ng/ul 98
47) Acenaphthylene	13.79	152	5828555	183.006	ng/ul 99
49) Acenaphthene	14.13	153	444915	20.549	ng/ul 99
53) Dibenzofuran	14.47	168	486837	16.147	ng/ul 97
58) Fluorene	15.13	166	3493622	138.651	ng/ul 99
69) Phenanthrene	16.88	178	14758243	381.290	ng/ul 92
71) Anthracene	16.96	178	3592262	91.468	ng/ul 99
74) Carbazole	17.23	167	135863	3.973	ng/ul# 92
76) Fluoranthene	18.90	202	6613786	149.714	ng/ul 99
79) Pyrene	19.27	202	9197455	197.141	ng/ul 97
82) Benzo(a)anthracene	21.03	228	3290894m	74.579	ng/ul
84) Chrysene	21.08	228	2732900	62.212	ng/ul 100
87) Benzo(b)fluoranthene	22.55	252	2054900	49.538	ng/ul# 96
88) Benzo(k)fluoranthene	22.57	252	726720m	17.789	ng/ul
90) Benzo(a)pyrene	23.07	252	2371396	61.703	ng/ul 97
91) Indeno(1,2,3-cd)pyrene	25.22	276	936835	20.503	ng/ul 94
92) Dibenzo(a,h)anthracene	25.22	278	278938	7.252	ng/ul# 82
93) Benzo(g,h,i)perylene	25.84	276	823292	21.499	ng/ul 97

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

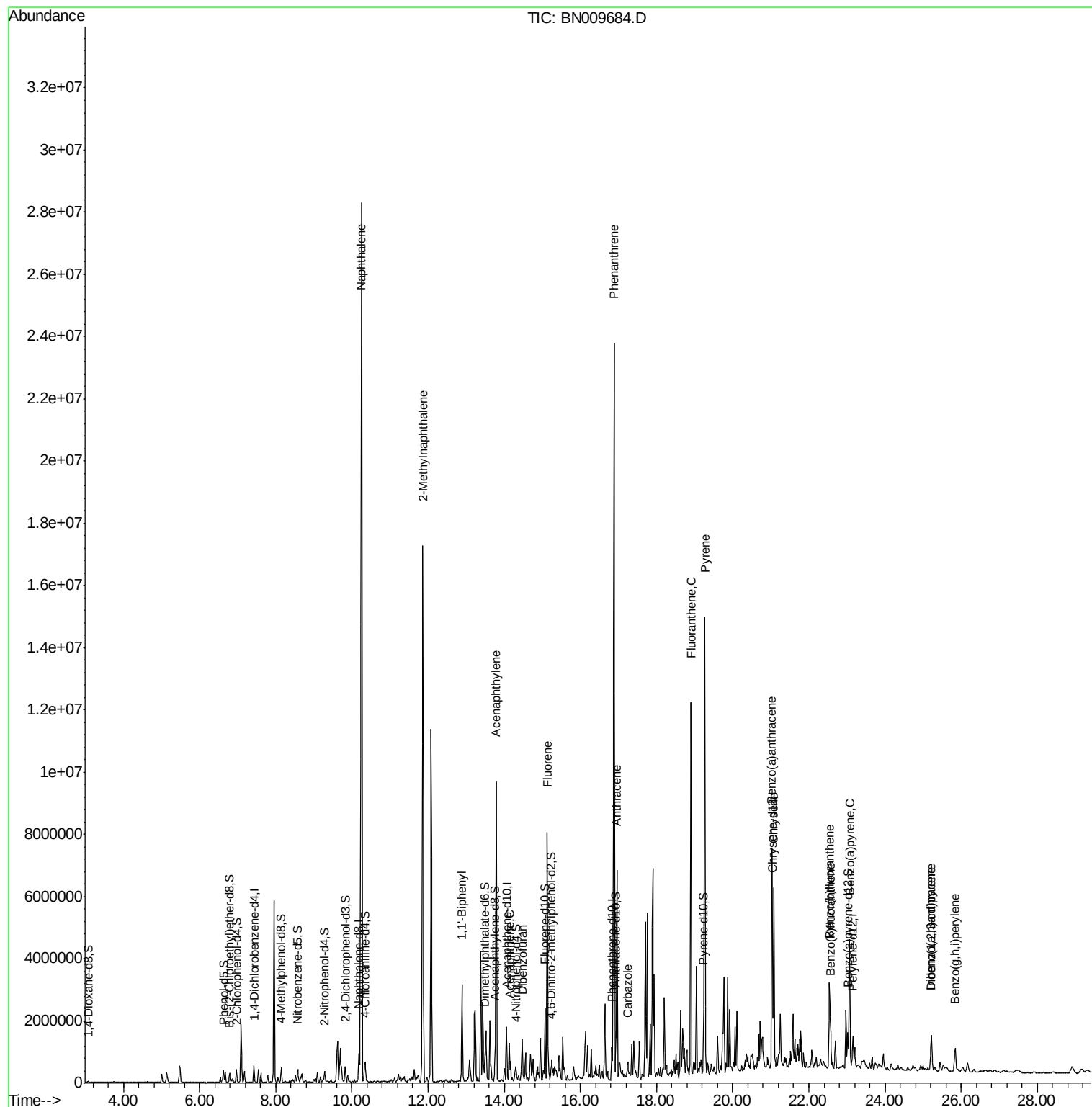
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009684.D
Acq On : 10 Feb 2020 14:24
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Sample : L1324-15ME
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ALS Vial : 8 Sample Multiplier: 1

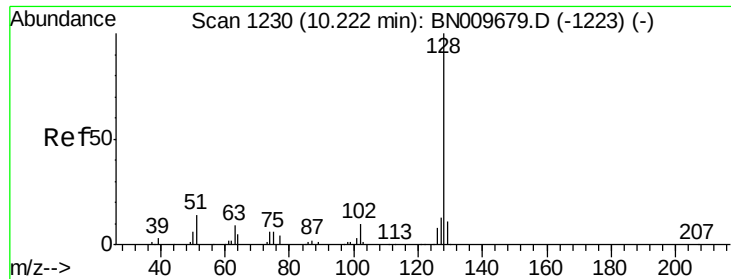
Instrument :
BNA_N
ClientSampleId :
GAT70ME

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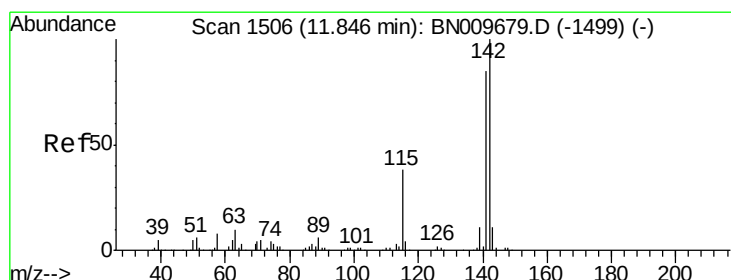
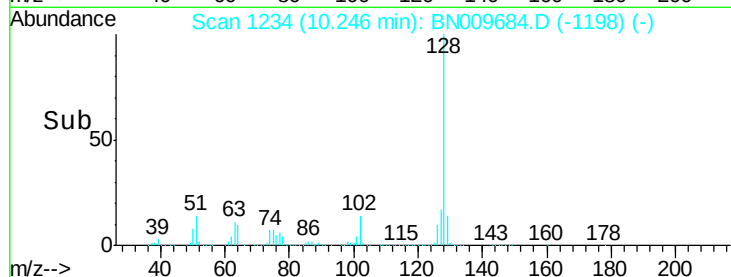
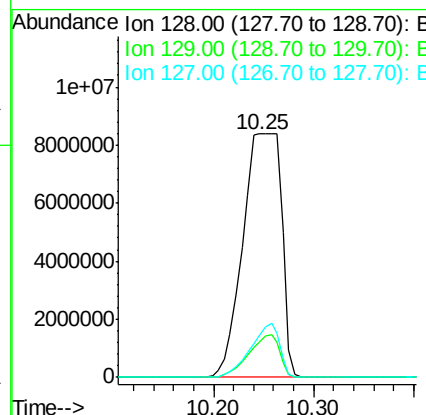
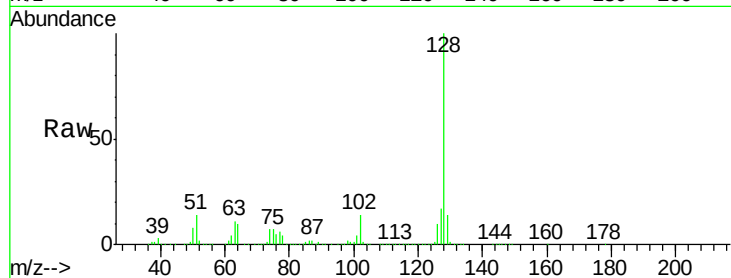
#28
Naphthalene
Concen: 799.127 ng/ul m
RT: 10.25 min Scan# 1234
Delta R.T. 0.01 min
Lab File: BN009684.D
Acq: 10 Feb 2020 14:24

Instrument :
BNA_N
ClientSampleId :
GAT70ME

Tot Ion:128 Resp:22585010
Ion Ratio Lower Upper
128 100
129 14.3 8.7 13.1#
127 17.2 10.7 16.1#

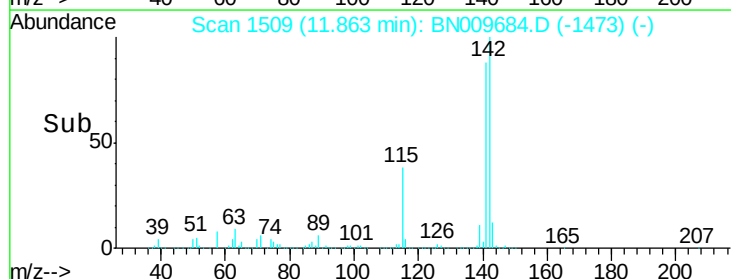
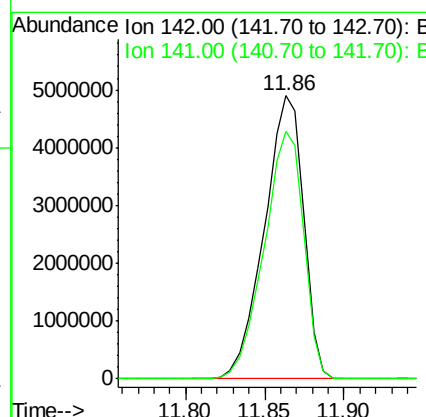
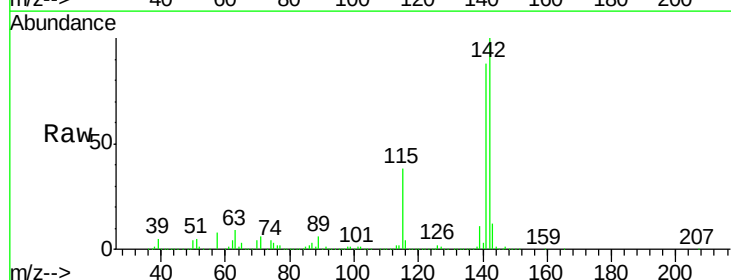
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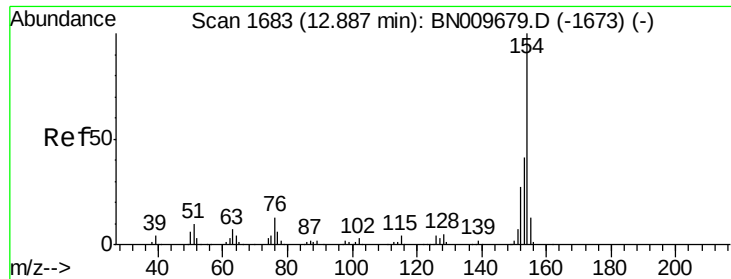
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#34
2-Methylnaphthalene
Concen: 426.454 ng/ul
RT: 11.86 min Scan# 1509
Delta R.T. 0.01 min
Lab File: BN009684.D
Acq: 10 Feb 2020 14:24

Tgt Ion:142 Resp: 8434497
Ion Ratio Lower Upper
142 100
141 87.6 71.5 107.3





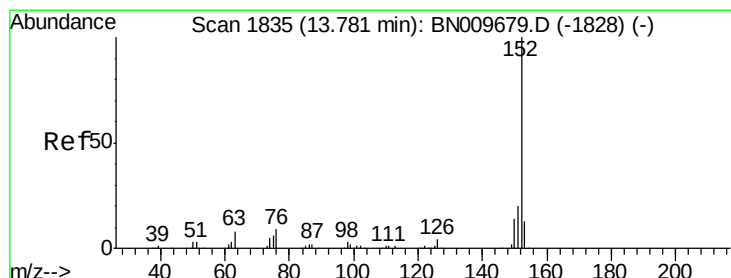
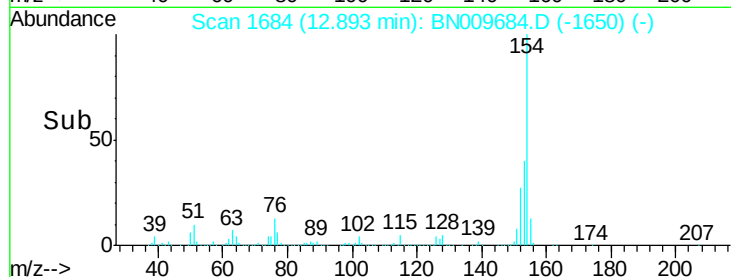
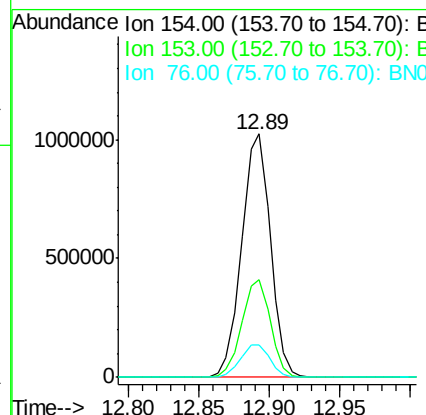
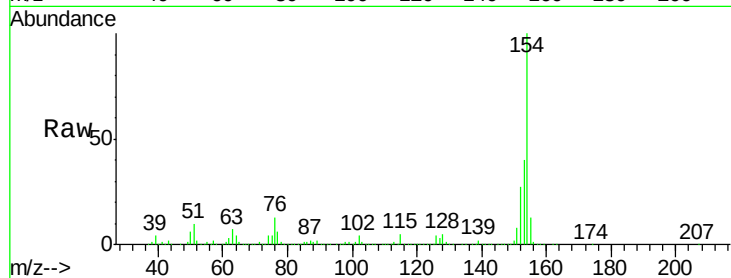
#40
 1,1'-Biphenyl
 Concen: 56.656 ng/ul
 RT: 12.89 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: BN009684.D
 Acq: 10 Feb 2020 14:24

Instrument :
 BNA_N
 ClientSampled :
 GAT70ME

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.4	31.2	46.8
76	13.1	11.4	17.2

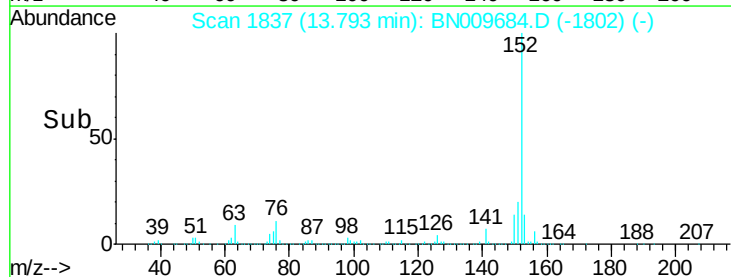
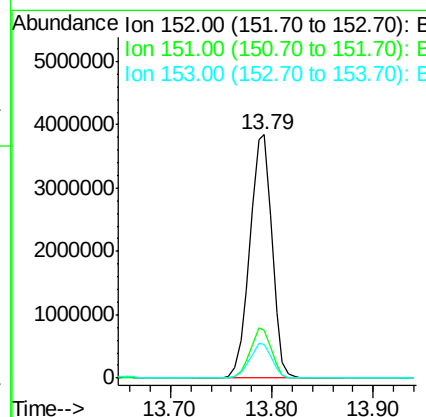
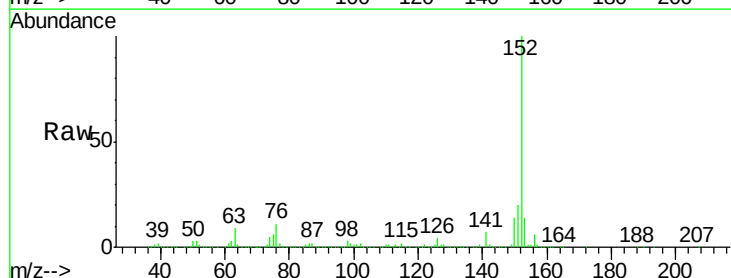
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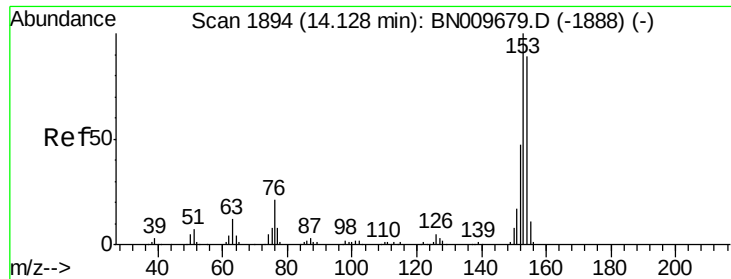
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#47
 Acenaphthylene
 Concen: 183.006 ng/ul
 RT: 13.79 min Scan# 1837
 Delta R.T. 0.01 min
 Lab File: BN009684.D
 Acq: 10 Feb 2020 14:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.2	24.2
153	13.7	10.6	15.8





#49

Acenaphthene

Concen: 20.549 ng/ul

RT: 14.13 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BN009684.D

Acq: 10 Feb 2020 14:24

Instrument :

BNA_N

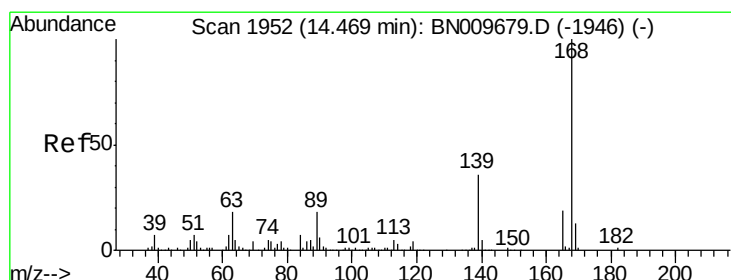
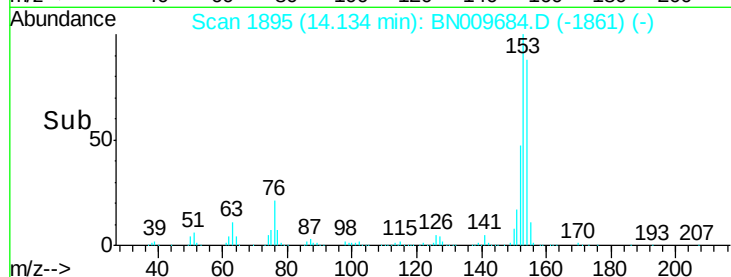
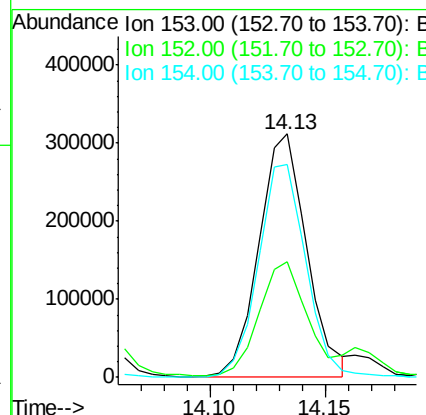
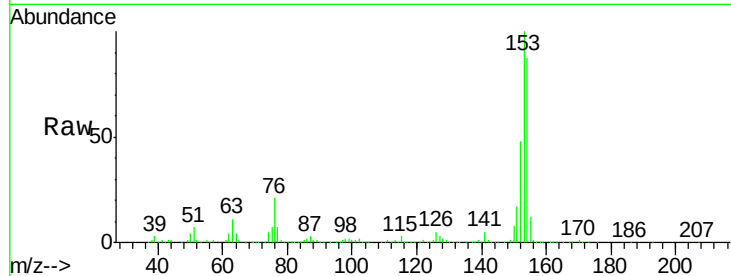
ClientSampleId :

GAT70ME

Tot Ion:	153	Resp:	444915
Ion Ratio	Lower	Upper	
153	100		
152	47.7	37.3	55.9
154	87.3	70.2	105.2

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#53

Dibenzofuran

Concen: 16.147 ng/ul

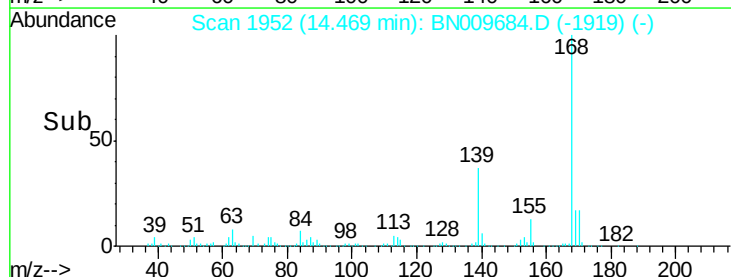
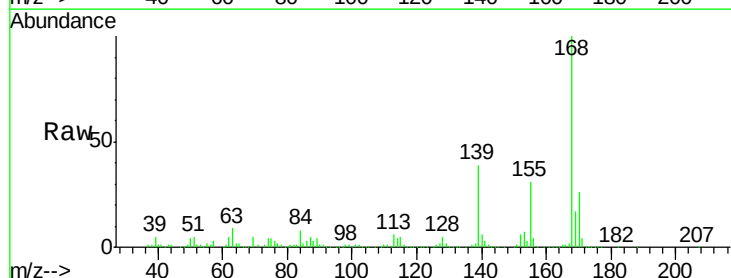
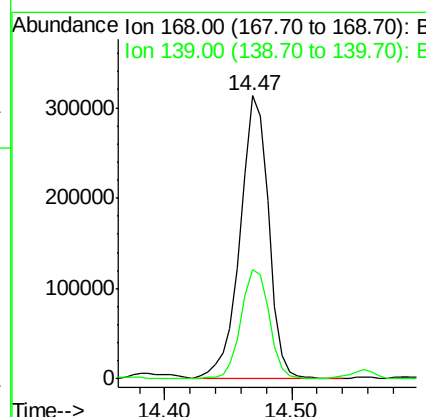
RT: 14.47 min Scan# 1952

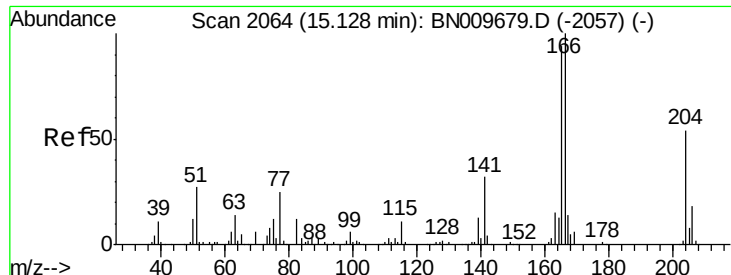
Delta R.T. -0.01 min

Lab File: BN009684.D

Acq: 10 Feb 2020 14:24

Tgt Ion:	168	Resp:	486837
Ion Ratio	Lower	Upper	
168	100		
139	38.5	29.5	44.3





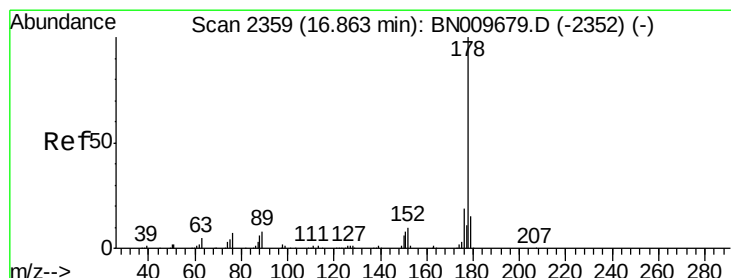
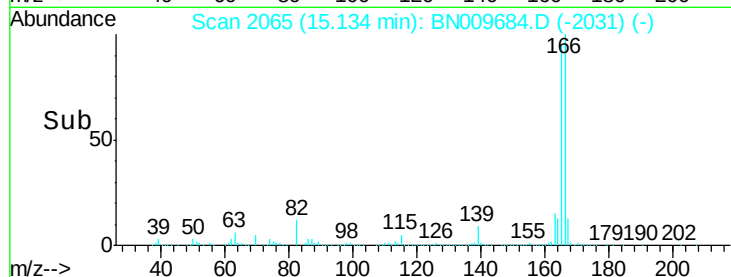
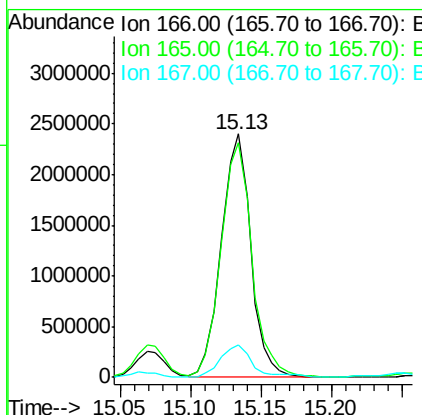
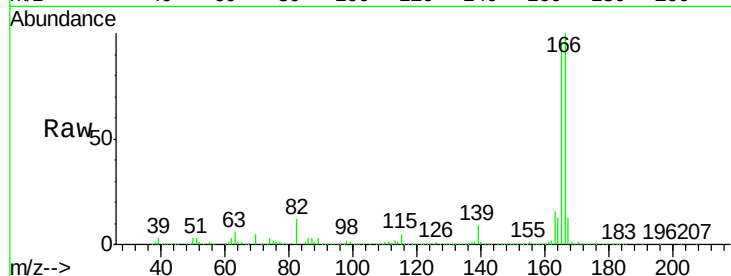
#58
Fluorene
Concen: 138.651 ng/ul
RT: 15.13 min Scan# 2065
Delta R.T. 0.00 min
Lab File: BN009684.D
Acq: 10 Feb 2020 14:24

Instrument :
BNA_N
ClientSampleId :
GAT70ME

Tot Ion:166 Resp: 3493622
Ion Ratio Lower Upper
166 100
165 96.4 76.7 115.1
167 13.2 11.1 16.7

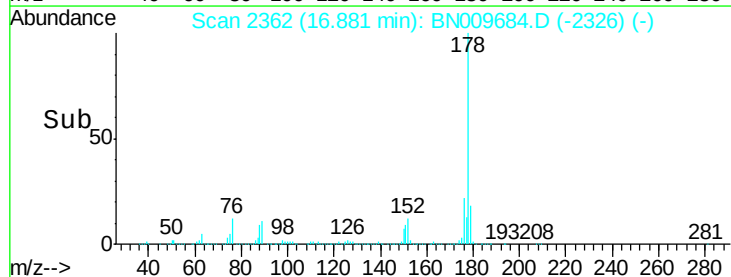
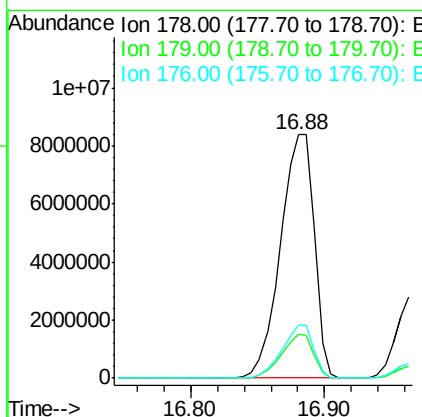
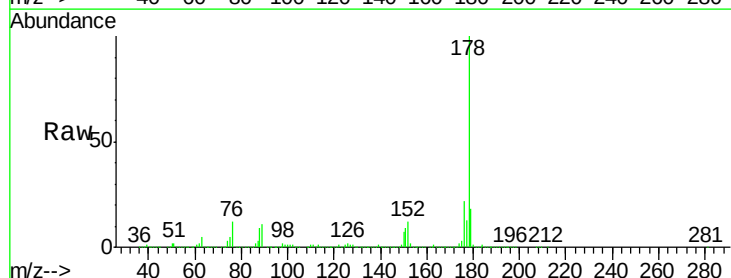
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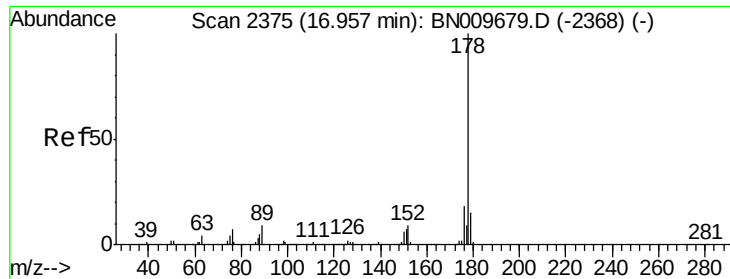
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#69
Phenanthrene
Concen: 381.290 ng/ul
RT: 16.88 min Scan# 2362
Delta R.T. 0.01 min
Lab File: BN009684.D
Acq: 10 Feb 2020 14:24

Tgt Ion:178 Resp:14758243
Ion Ratio Lower Upper
178 100
179 18.2 12.2 18.2
176 22.0 14.8 22.2





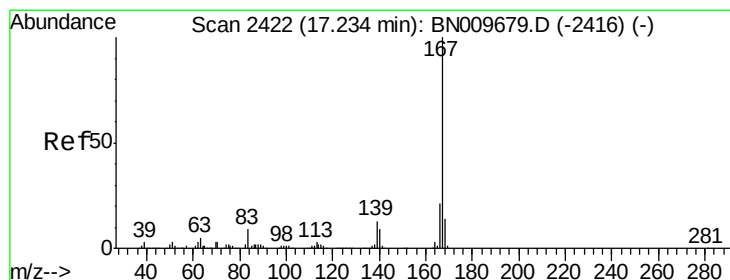
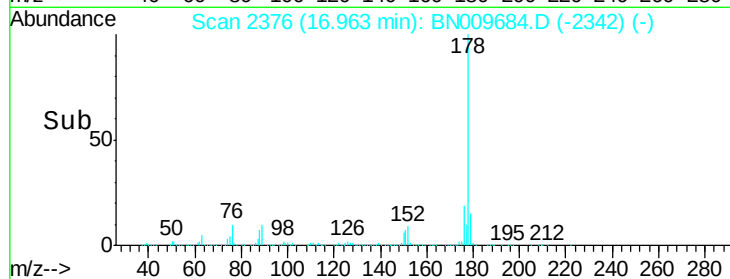
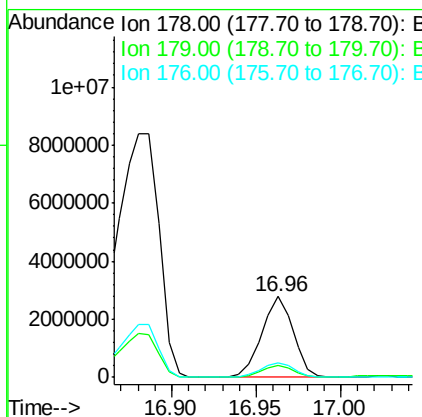
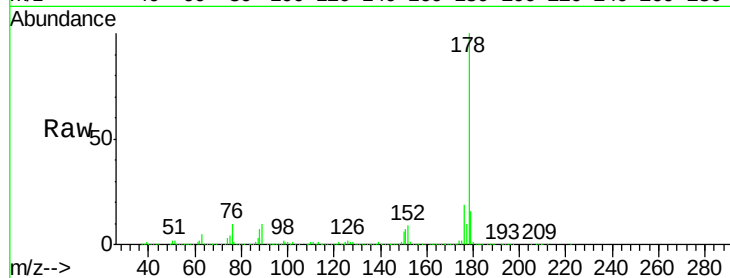
#71
 Anthracene
 Concen: 91.468 ng/ul
 RT: 16.96 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: BN009684.D
 Acq: 10 Feb 2020 14:24

Instrument :
 BNA_N
 ClientSampleId :
 GAT70ME

Tot Ion:178 Resp: 3592262
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.1 18.1
 176 18.6 14.6 21.8

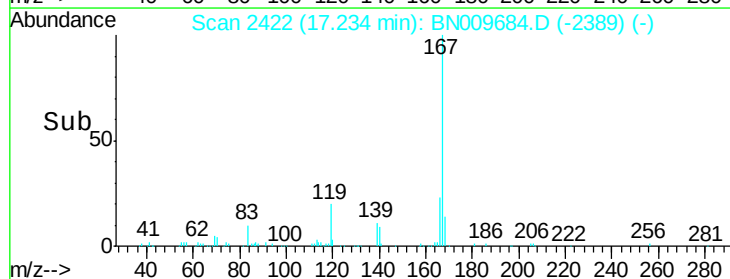
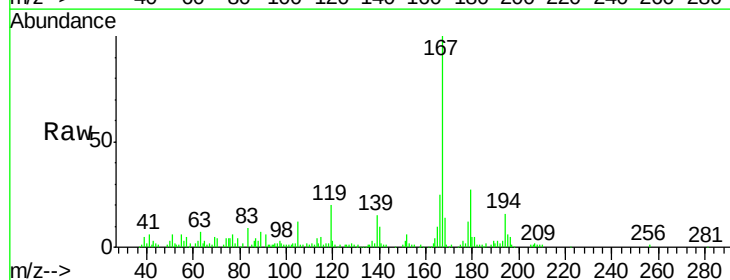
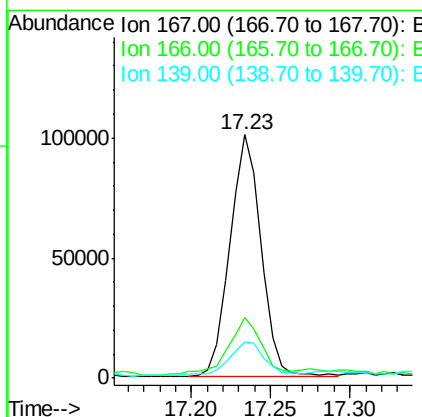
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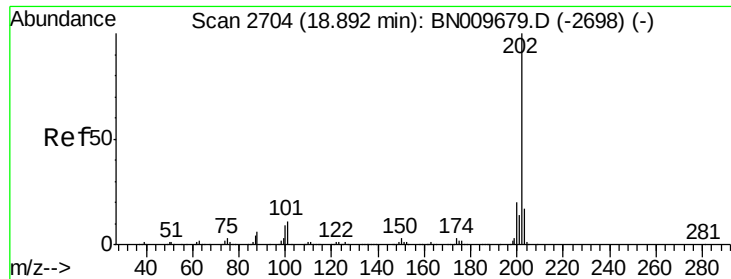
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#74
 Carbazole
 Concen: 3.973 ng/ul
 RT: 17.23 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BN009684.D
 Acq: 10 Feb 2020 14:24

Tgt Ion:167 Resp: 135863
 Ion Ratio Lower Upper
 167 100
 166 25.0 16.2 24.4#
 139 14.7 10.4 15.6





#76

Fluoranthene

Concen: 149.714 ng/ul

RT: 18.90 min Scan# 2706

Delta R.T. 0.01 min

Lab File: BN009684.D

Acq: 10 Feb 2020 14:24

Instrument :

BNA_N

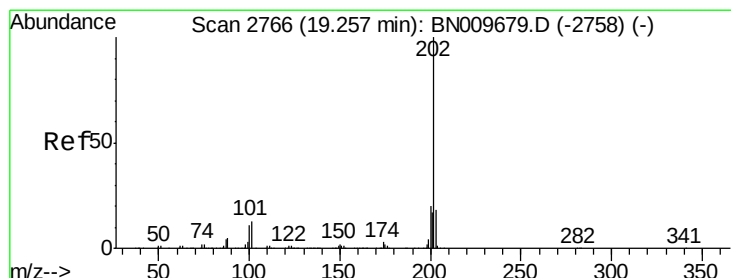
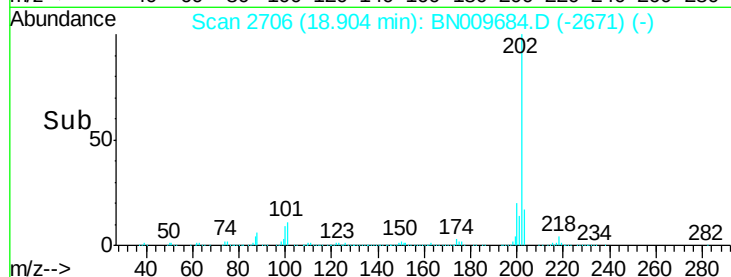
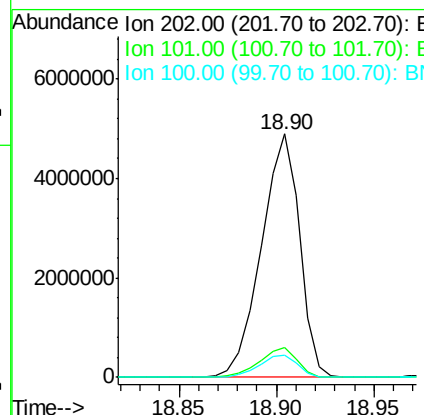
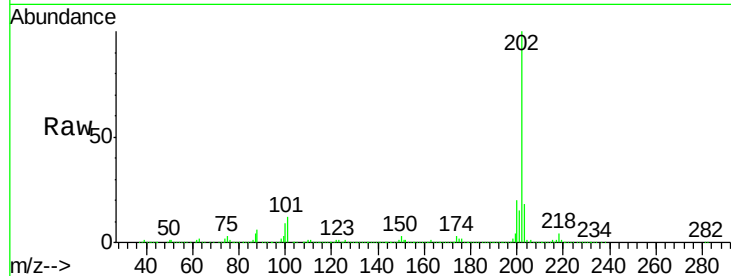
ClientSampleId :

GAT70ME

Tot Ion:	202	Resp:	6613786
Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.2	13.8
100	9.1	6.9	10.3

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#79

Pyrene

Concen: 197.141 ng/ul

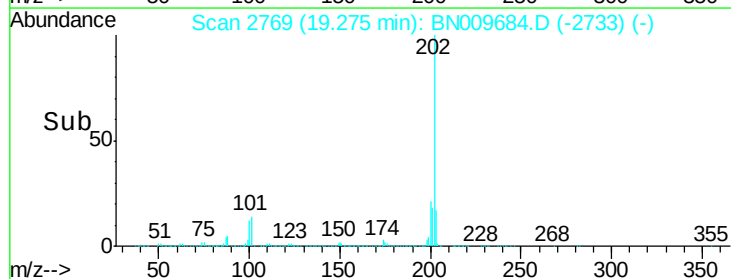
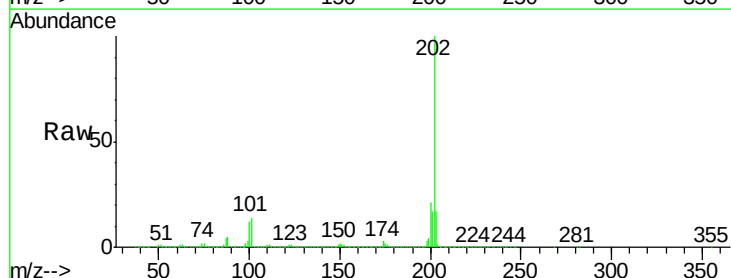
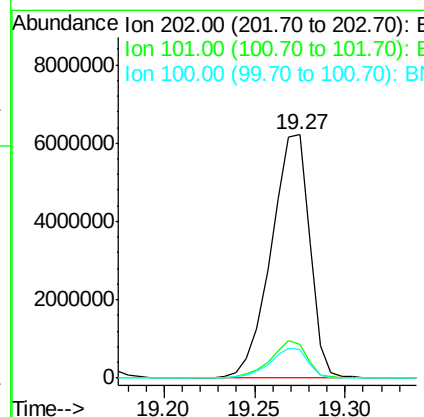
RT: 19.27 min Scan# 2769

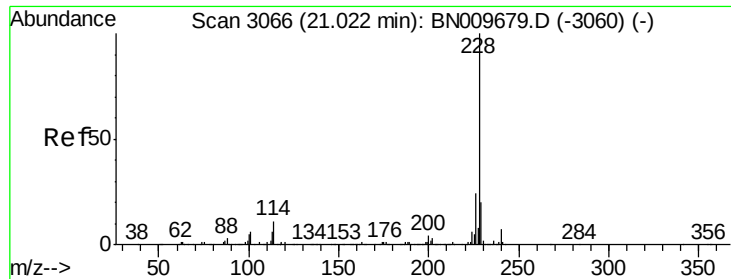
Delta R.T. 0.01 min

Lab File: BN009684.D

Acq: 10 Feb 2020 14:24

Tgt Ion:	202	Resp:	9197455
Ion	Ratio	Lower	Upper
202	100		
101	14.0	10.3	15.5
100	11.7	8.4	12.6





#82

Benzo(a)anthracene

Concen: 74.579 ng/ul

RT: 21.03 min Scan# 3067

Delta R.T. -0.01 min

Lab File: BN009684.D

Acq: 10 Feb 2020 14:24

Instrument :

BNA_N

ClientSampleId :

GAT70ME

Tot Ion:228 Resp: 3290894

Ion Ratio Lower Upper

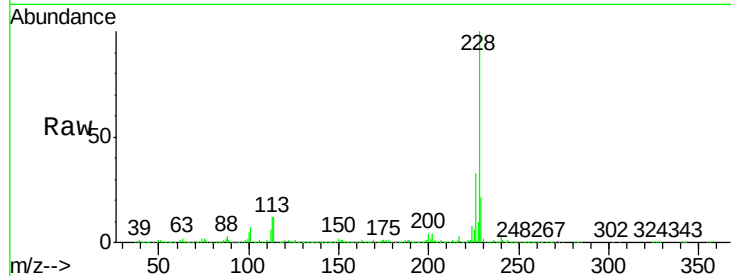
228 100

229 21.1 15.0 22.4

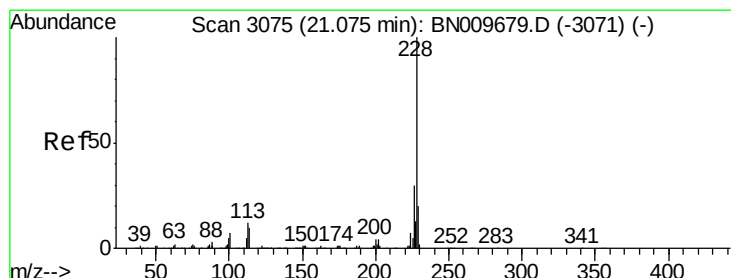
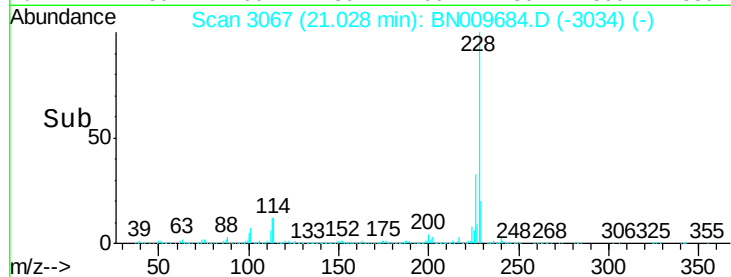
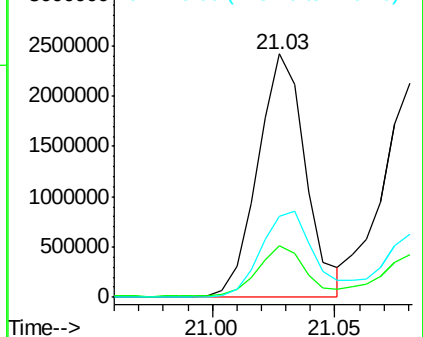
226 33.2 20.9 31.3#

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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: 62.212 ng/ul

RT: 21.08 min Scan# 3076

Delta R.T. 0.00 min

Lab File: BN009684.D

Acq: 10 Feb 2020 14:24

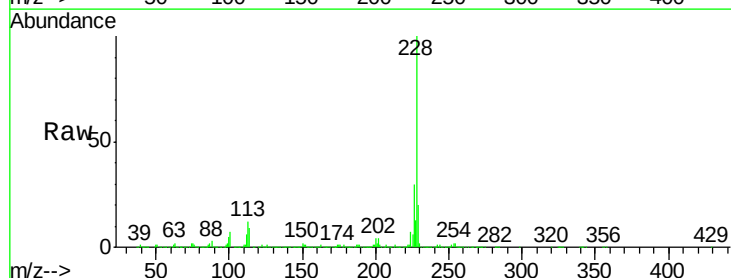
Tgt Ion:228 Resp: 2732900

Ion Ratio Lower Upper

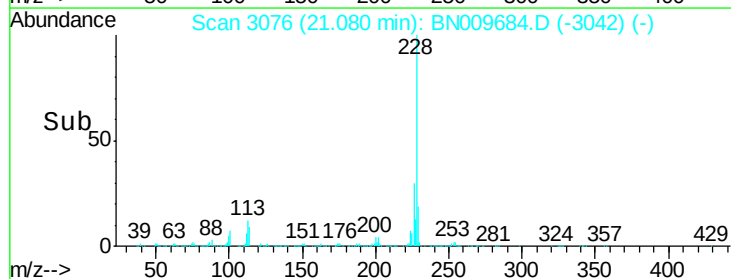
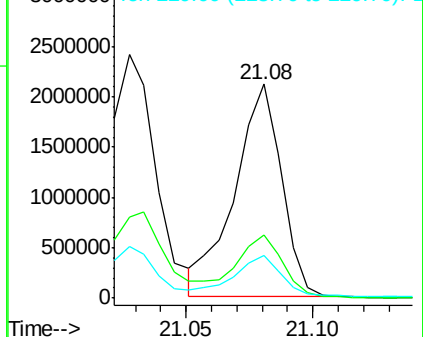
228 100

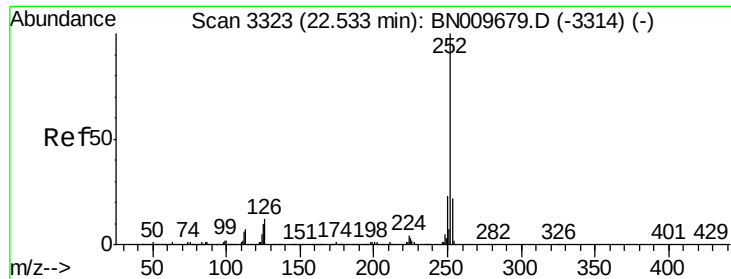
226 29.8 23.5 35.3

229 19.7 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: 49.538 ng/ul

RT: 22.55 min Scan# 3325

Delta R.T. 0.00 min

Lab File: BN009684.D

Acq: 10 Feb 2020 14:24

Instrument :

BNA_N

ClientSampleId :

GAT70ME

Tot Ion:252 Resp: 2054900

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.6

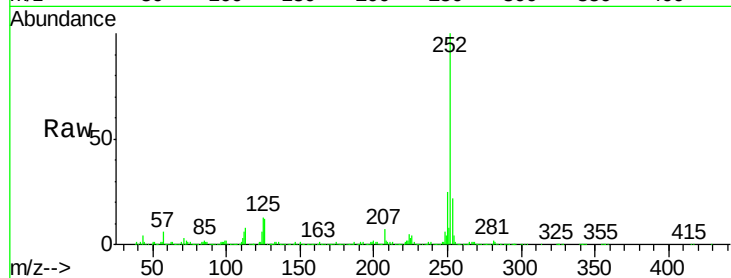
125 12.9 8.2 12.2#

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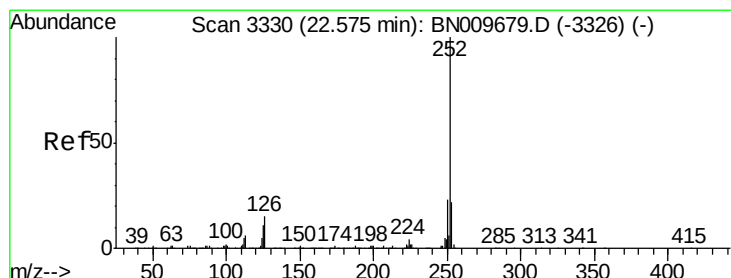
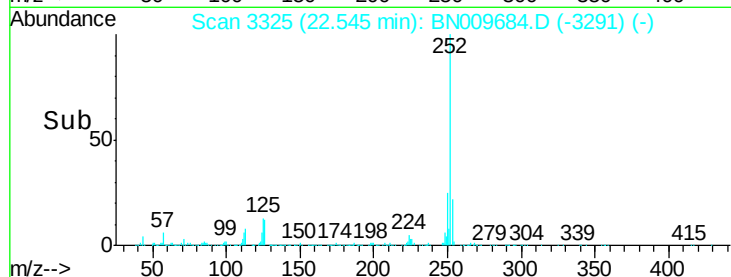
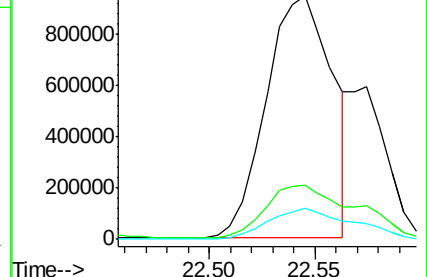
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 17.789 ng/ul m

RT: 22.57 min Scan# 3330

Delta R.T. -0.01 min

Lab File: BN009684.D

Acq: 10 Feb 2020 14:24

Tgt Ion:252 Resp: 726720

Ion Ratio Lower Upper

252 100

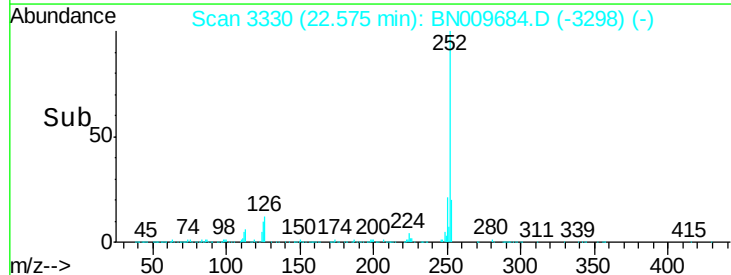
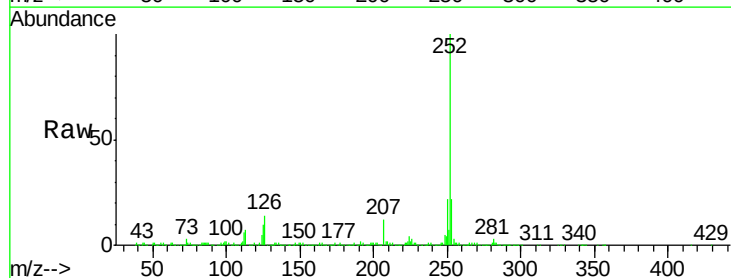
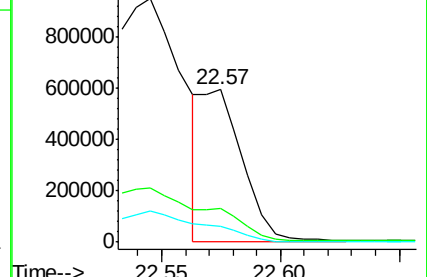
253 21.9 17.0 25.4

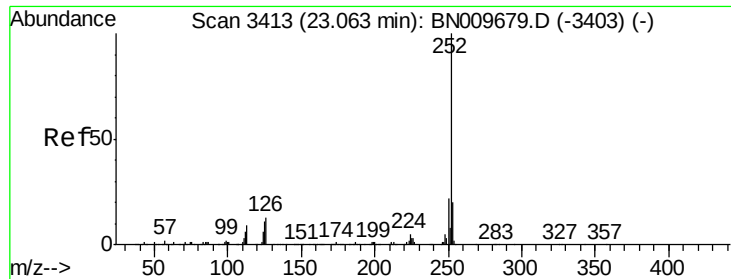
125 10.2 8.0 12.0

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





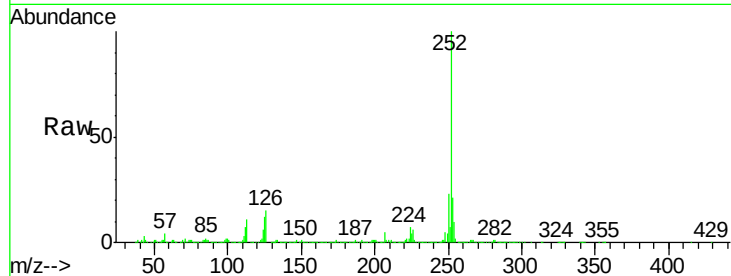
#90
Benzo(a)pyrene
Concen: 61.703 ng/ul
RT: 23.07 min Scan# 3414
Delta R.T. -0.01 min
Lab File: BN009684.D
Acq: 10 Feb 2020 14:24

Instrument :
BNA_N
ClientSampleId :
GAT70ME

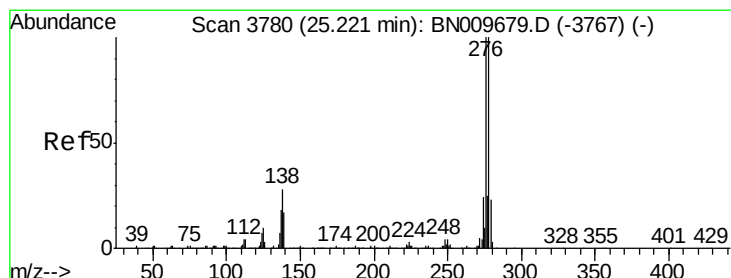
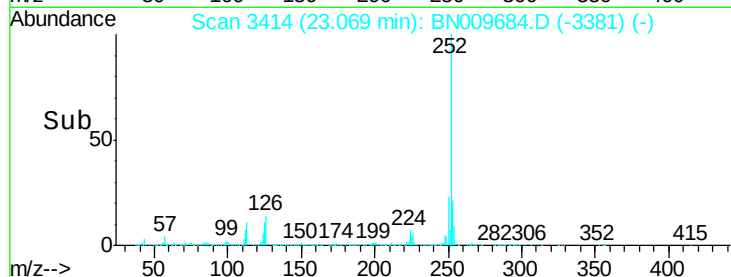
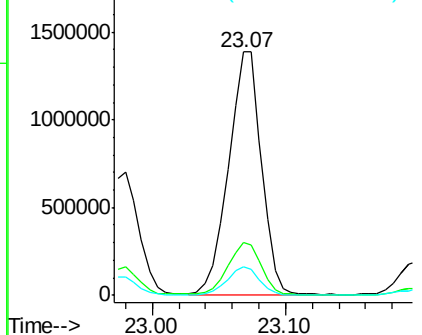
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	15.8	23.8
125	11.6	8.7	13.1

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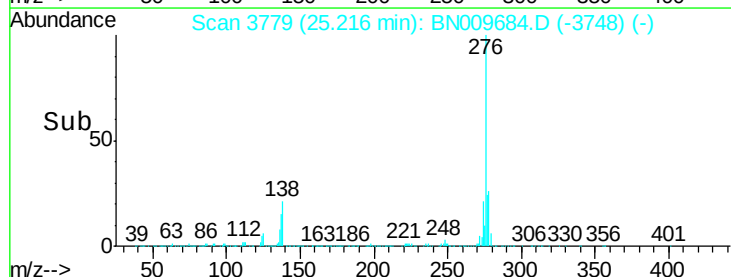
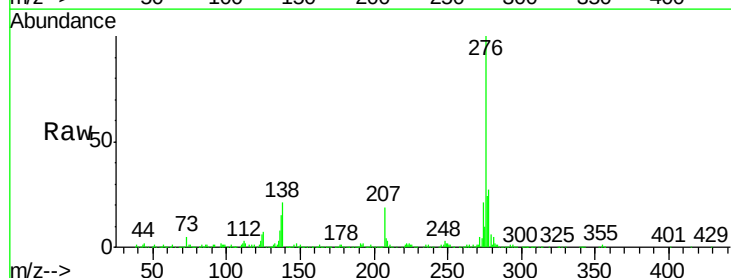
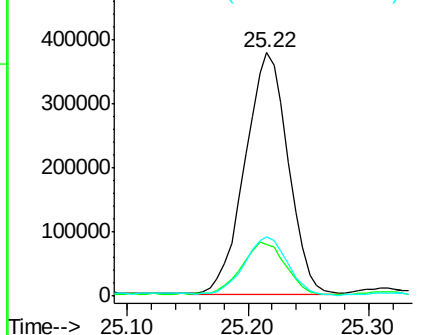
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

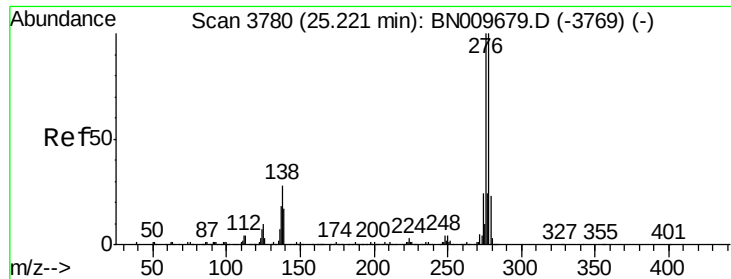


#91
Indeno(1,2,3-cd)pyrene
Concen: 20.503 ng/ul
RT: 25.22 min Scan# 3779
Delta R.T. -0.02 min
Lab File: BN009684.D
Acq: 10 Feb 2020 14:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	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: 7.252 ng/ul

RT: 25.22 min Scan# 3779

Delta R.T. -0.02 min

Lab File: BN009684.D

Acq: 10 Feb 2020 14:24

Instrument :

BNA_N

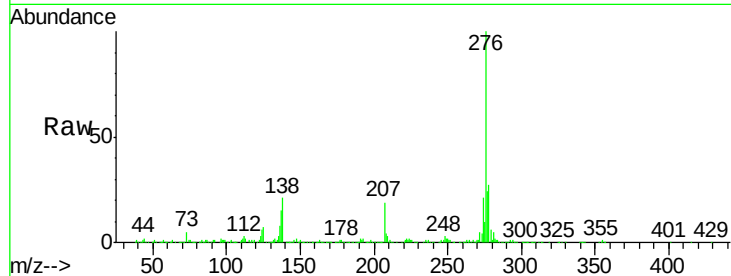
ClientSampleId :

GAT70ME

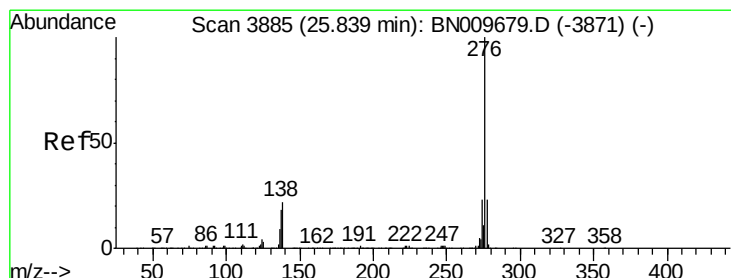
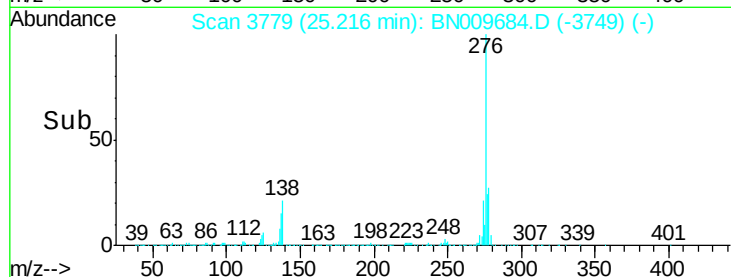
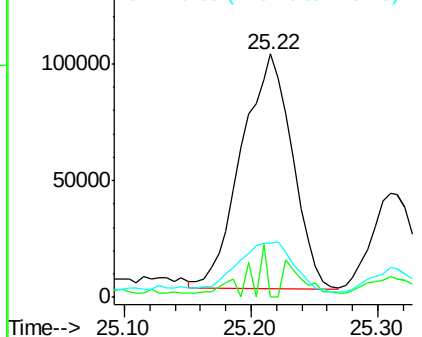
Tot Ion:	278	Resp:	278938
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.7	19.1#
279	22.3	19.8	29.8

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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: 21.499 ng/ul

RT: 25.84 min Scan# 3886

Delta R.T. -0.01 min

Lab File: BN009684.D

Acq: 10 Feb 2020 14:24

Tgt Ion:	276	Resp:	823292
Ion Ratio	Lower	Upper	
276	100		
138	21.5	16.0	24.0
277	22.9	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

