

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
 Data File : BN009682.D
 Acq On : 10 Feb 2020 12:36
 Operator : CG/JU
 Sample : L1324-03DL2 20X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAT60DL2

Manual Integrations
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mohammad
 2/12/2020 9:51:12 AM

Quant Time: Feb 11 03:08:57 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	63439	20.00	ng/ul	0.00
18) Naphthalene-d8	10.18	136	269600	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.06	164	167681	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.82	188	351600	20.00	ng/ul	0.00
77) Chrysene-d12	21.03	240	348655	20.00	ng/ul	-0.01
85) Perylene-d12	23.14	264	357172	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.64	99	6704	1.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	5122	1.38	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	5230	1.28	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	4465	1.01	ng/ul	0.01
19) Nitrobenzene-d5	8.59	128	2369	1.18	ng/ul	0.02
22) 2-Nitrophenol-d4	9.30	143	2352	1.05	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.85	165	4430	1.06	ng/ul	0.03
29) 4-Chloroaniline-d4	10.36	131	3231m	0.72	ng/ul	0.02
43) Dimethylphthalate-d6	13.50	166	20882	1.71	ng/ul	0.00
46) Acenaphthylene-d8	13.75	160	23245	1.57	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.07	176	19499	1.81	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	16.92	188	30676	1.92	ng/ul	0.00
78) Pyrene-d10	19.23	212	31337	1.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	32970	1.87	ng/ul	-0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.23	128	1269131	86.807	ng/ul	99
34) 2-Methylnaphthalene	11.85	142	344986	33.718	ng/ul	99
40) 1,1'-Biphenyl	12.89	154	71710	5.493	ng/ul	99
47) Acenaphthylene	13.78	152	230351	14.232	ng/ul	100
49) Acenaphthene	14.13	153	21476	1.952	ng/ul	96
53) Dibenzofuran	14.47	168	26021	1.698	ng/ul	99
58) Fluorene	15.13	166	139182	10.869	ng/ul	99
69) Phenanthrene	16.86	178	1102322	54.975	ng/ul	99
71) Anthracene	16.96	178	253823	12.476	ng/ul	98
76) Fluoranthene	18.89	202	474796	20.747	ng/ul	98
79) Pyrene	19.26	202	678869	26.673	ng/ul	97
82) Benzo(a)anthracene	21.07	228	196772	8.174	ng/ul	95
84) Chrysene	21.07	228	196772	8.211	ng/ul	99
87) Benzo(b)fluoranthene	22.53	252	145666	6.518	ng/ul#	92
88) Benzo(k)fluoranthene	22.56	252	52723m	2.396	ng/ul	
90) Benzo(a)pyrene	23.06	252	175926	8.497	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.21	276	65741	2.671	ng/ul	93
93) Benzo(g,h,i)perylene	25.83	276	67405	3.267	ng/ul	96

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

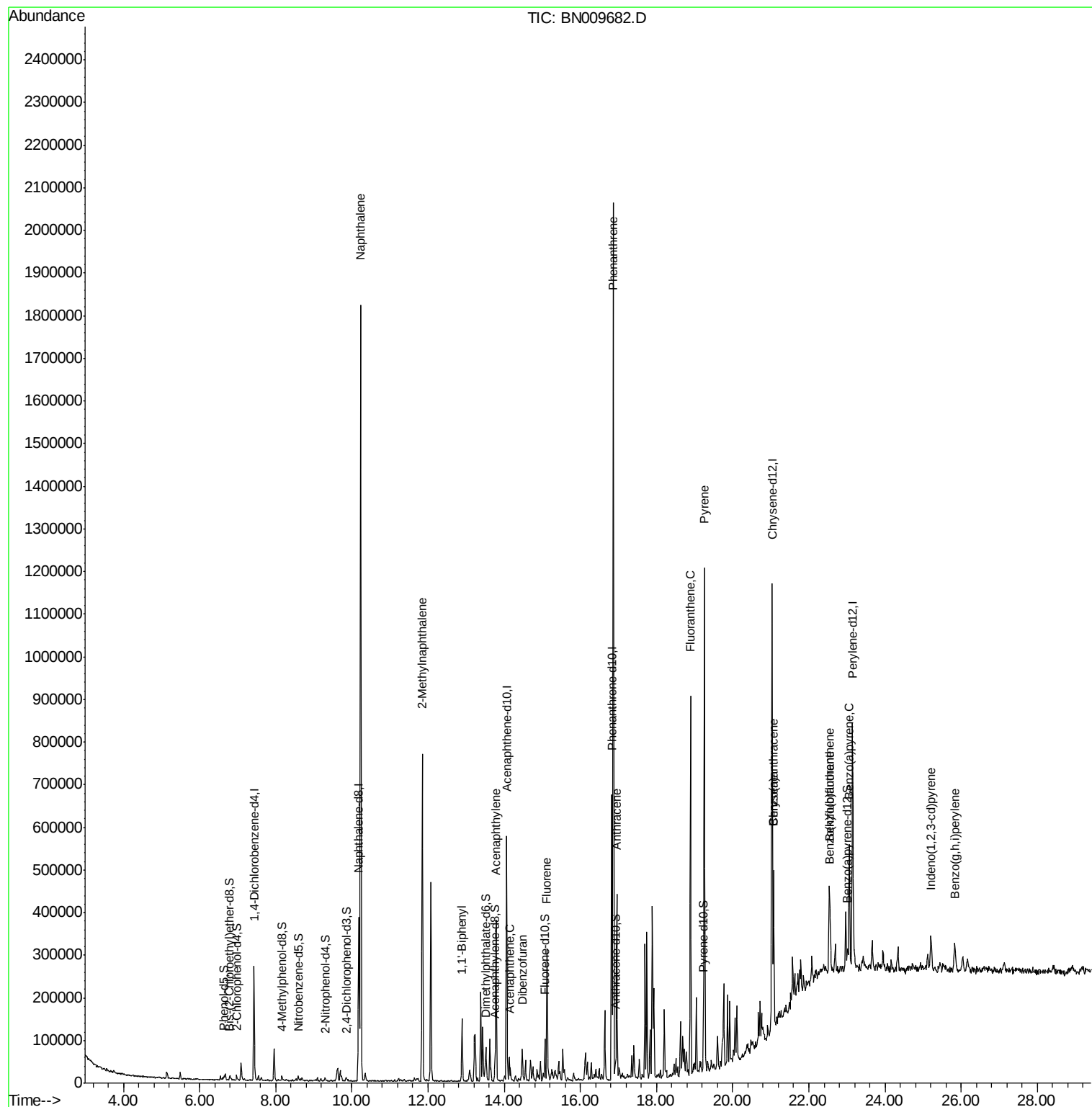
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021020\
Data File : BN009682.D
Acq On : 10 Feb 2020 12:36
Operator : CG/JU
Sample : L1324-03DL2 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

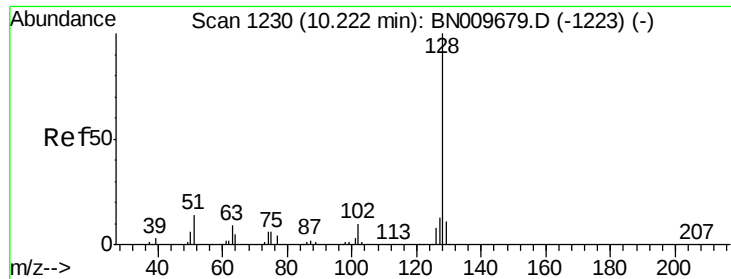
Instrument :
BNA_N
ClientSampleId :
GAT60DL2

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





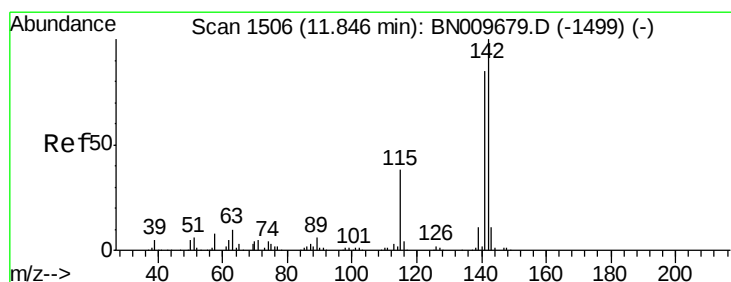
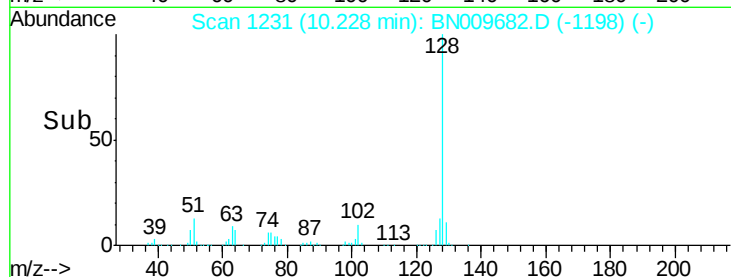
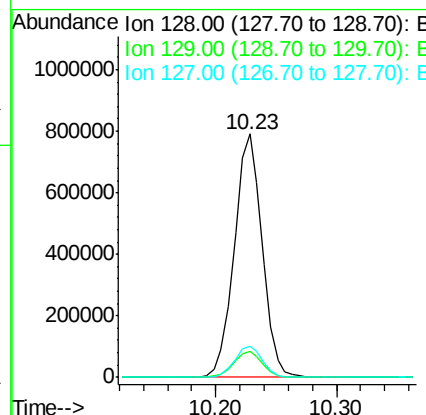
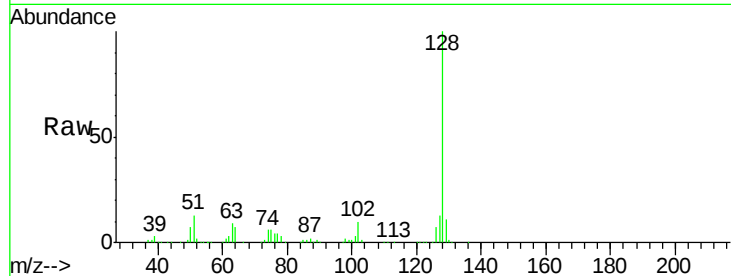
#28
Naphthalene
Concen: 86.807 ng/ul
RT: 10.23 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BN009682.D
Acq: 10 Feb 2020 12:36

Instrument :
BNA_N
ClientSampleId :
GAT60DL2

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	12.9	10.7	16.1

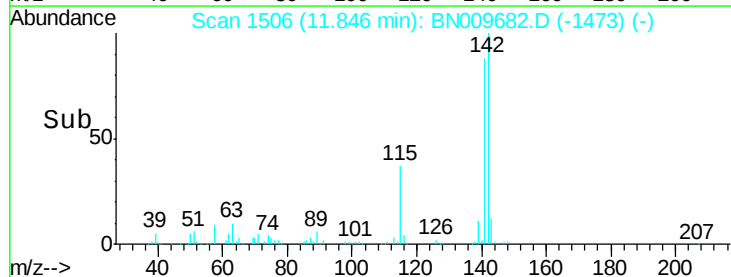
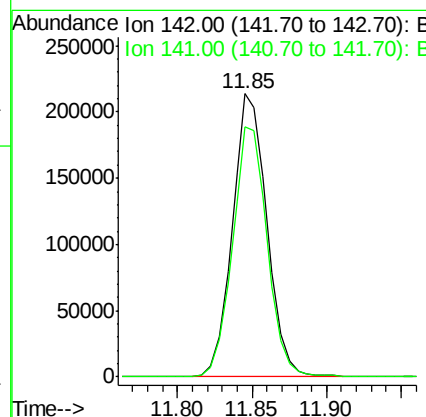
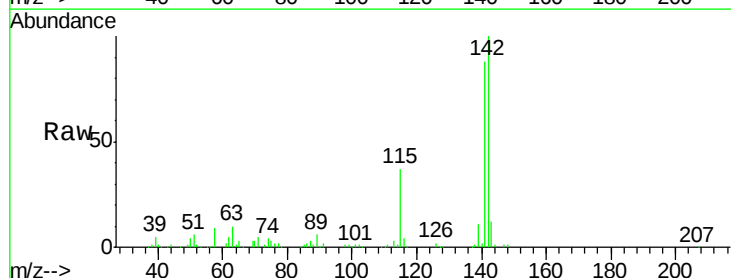
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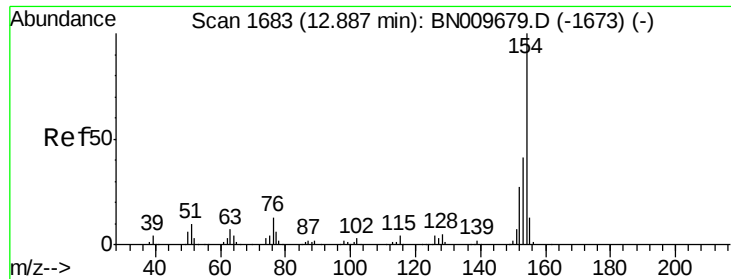
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#34
2-Methylnaphthalene
Concen: 33.718 ng/ul
RT: 11.85 min Scan# 1506
Delta R.T. -0.01 min
Lab File: BN009682.D
Acq: 10 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.5	107.3





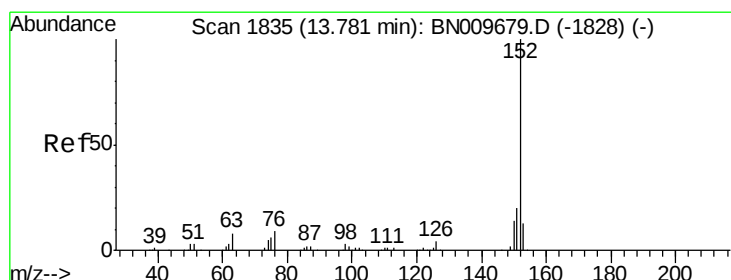
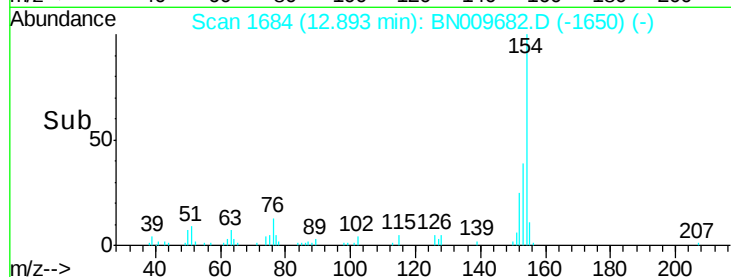
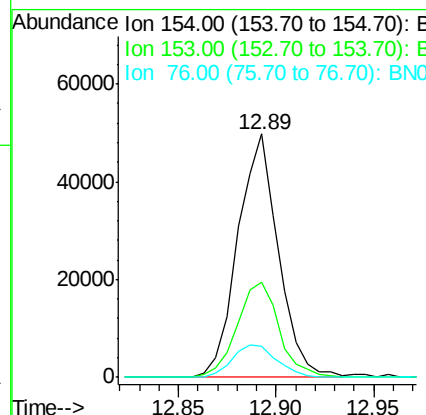
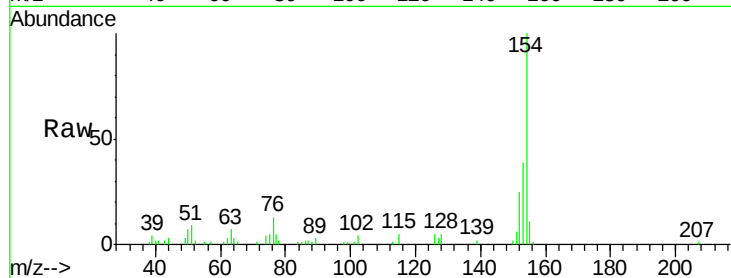
#40
1,1'-Biphenyl
Concen: 5.493 ng/ul
RT: 12.89 min Scan# 1684
Delta R.T. -0.00 min
Lab File: BN009682.D
Acq: 10 Feb 2020 12:36

Instrument :
BNA_N
ClientSampleId :
GAT60DL2

Tot Ion:	154	Resp:	71710
Ion Ratio	Lower	Upper	
154	100		
153	39.2	31.2	46.8
76	12.6	11.4	17.2

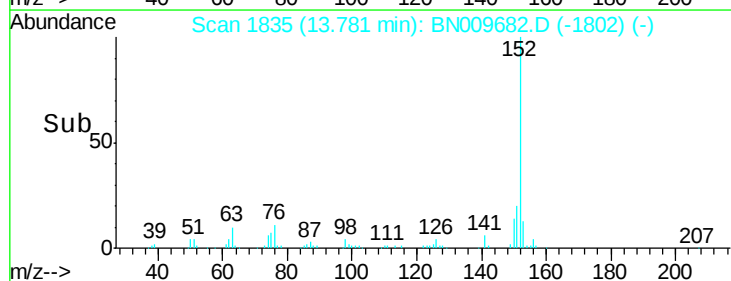
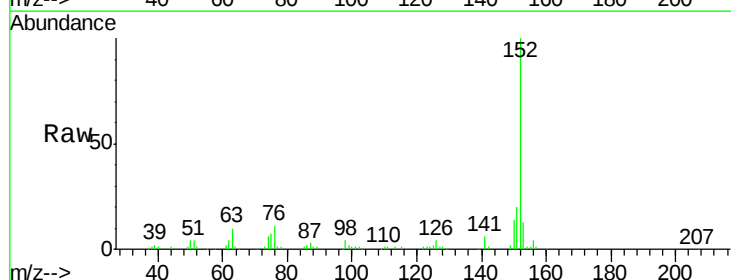
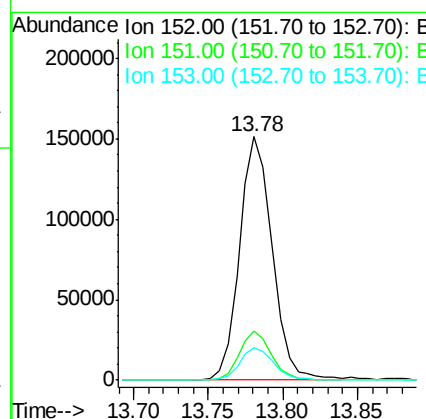
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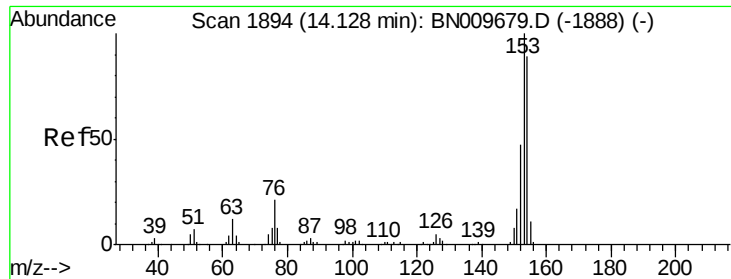
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#47
Acenaphthylene
Concen: 14.232 ng/ul
RT: 13.78 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BN009682.D
Acq: 10 Feb 2020 12:36

Tgt Ion:	152	Resp:	230351
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.2	24.2
153	13.3	10.6	15.8





#49

Acenaphthene

Concen: 1.952 ng/ul

RT: 14.13 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_N

ClientSampleId :

GAT60DL2

Tot Ion:153 Resp: 21476

Ion Ratio Lower Upper

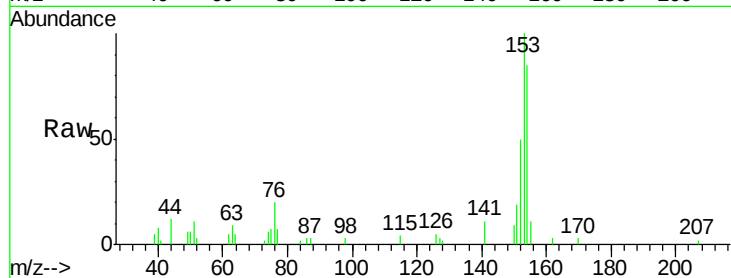
153 100

152 50.0 37.3 55.9

154 84.7 70.2 105.2

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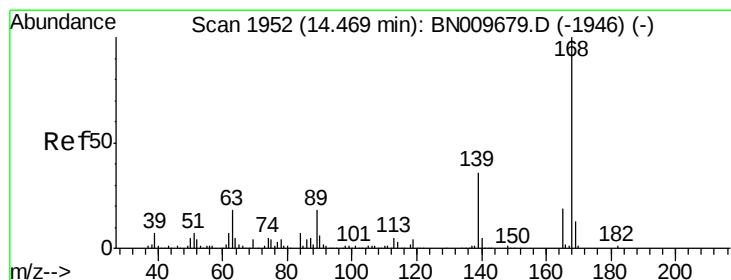
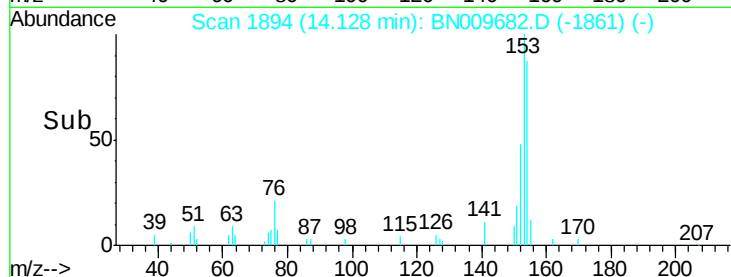
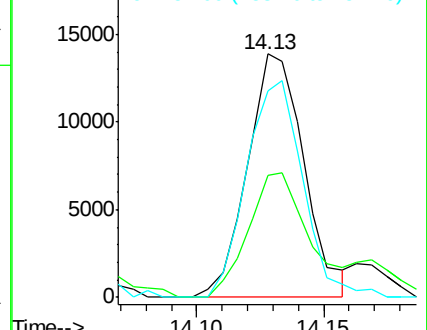
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.698 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BN009682.D

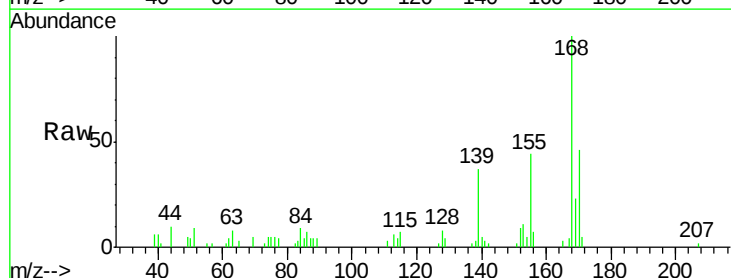
Acq: 10 Feb 2020 12:36

Tgt Ion:168 Resp: 26021

Ion Ratio Lower Upper

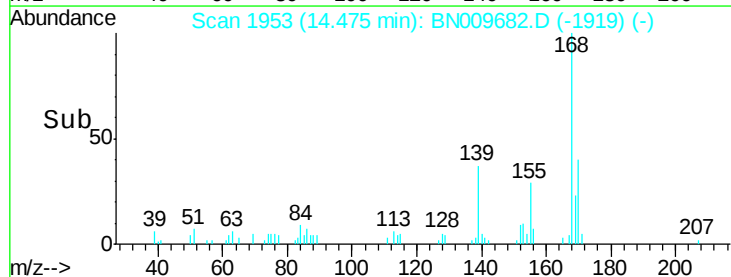
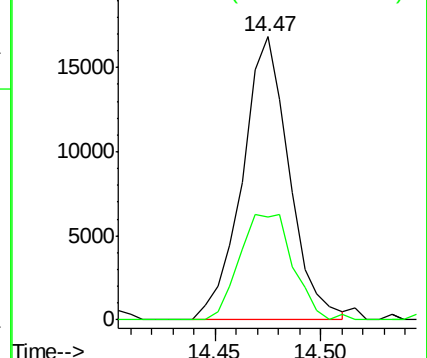
168 100

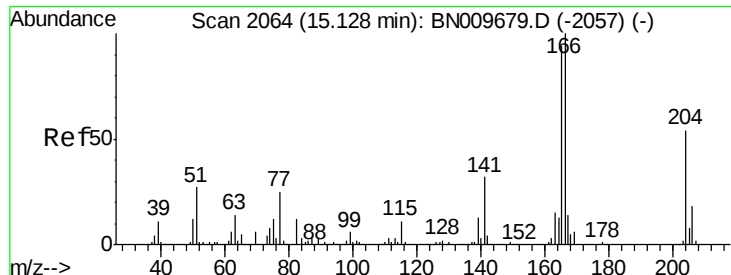
139 36.5 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 10.869 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. -0.01 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_N

ClientSampleId :

GAT60DL2

Tot Ion:166 Resp: 139182

Ion Ratio Lower Upper

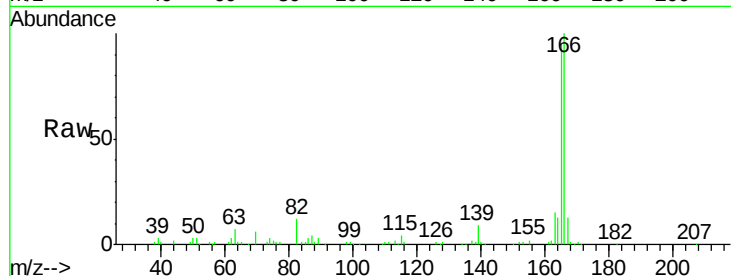
166 100

165 95.1 76.7 115.1

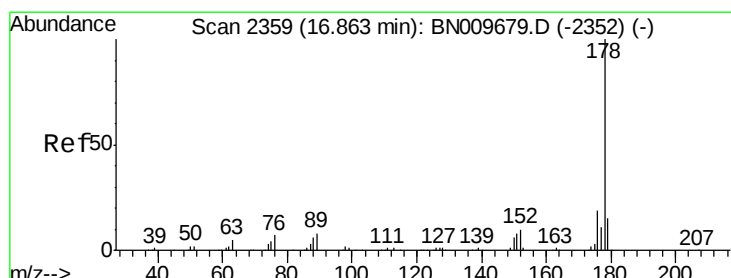
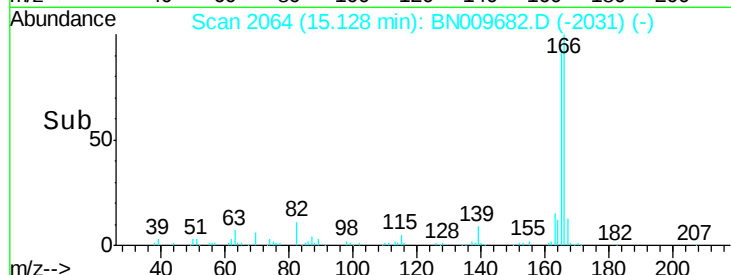
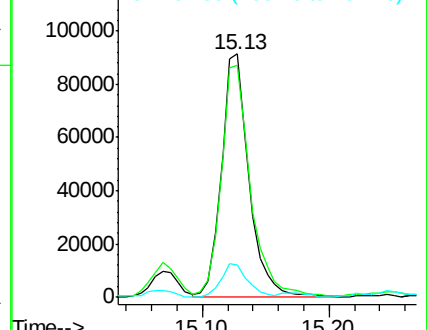
167 13.4 11.1 16.7

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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



#69

Phenanthrene

Concen: 54.975 ng/ul

RT: 16.86 min Scan# 2359

Delta R.T. -0.01 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

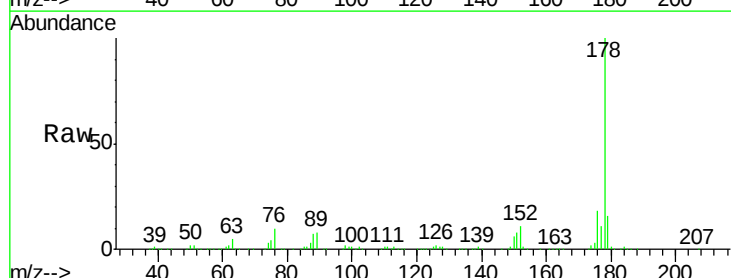
Tgt Ion:178 Resp: 1102322

Ion Ratio Lower Upper

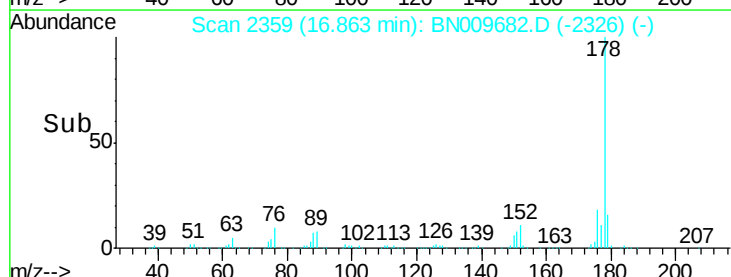
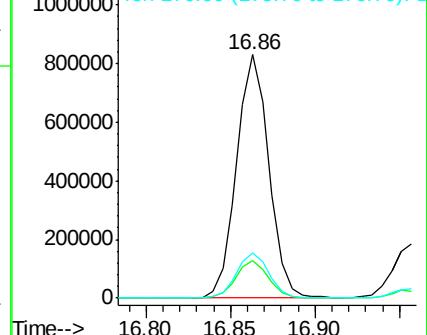
178 100

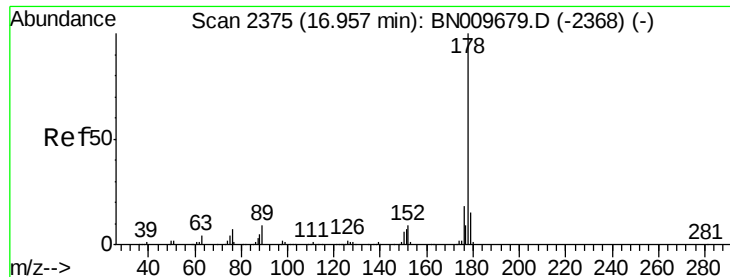
179 15.6 12.2 18.2

176 18.3 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





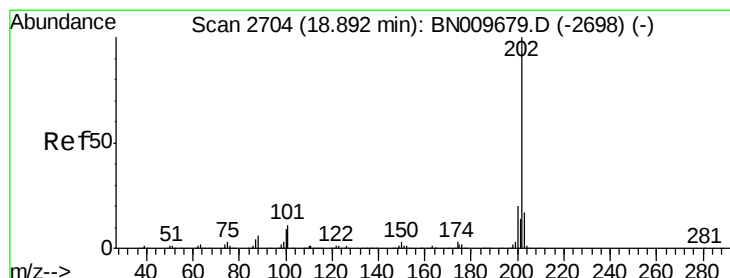
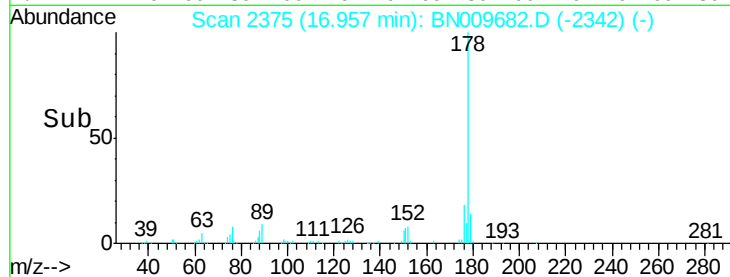
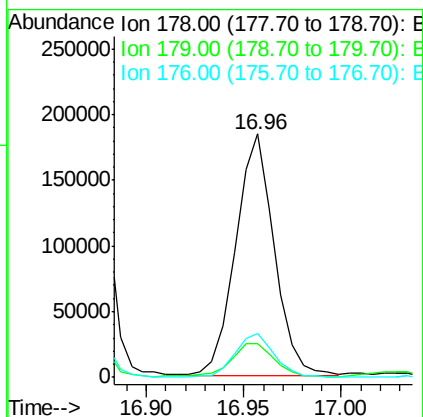
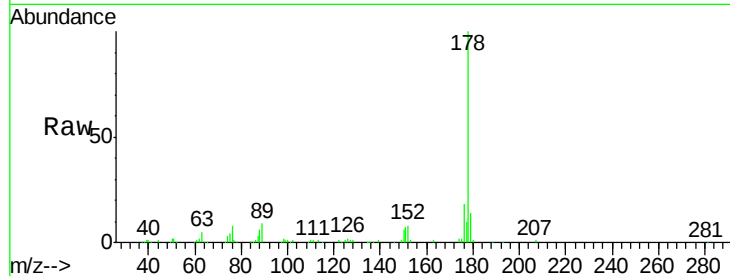
#71
 Anthracene
 Concen: 12.476 ng/ul
 RT: 16.96 min Scan# 2375
 Delta R.T. -0.01 min
 Lab File: BN009682.D
 Acq: 10 Feb 2020 12:36

Instrument :
 BNA_N
 ClientSampleID :
 GAT60DL2

Tot Ion	Ratio	Lower	Upper
178	100		
179	13.6	12.1	18.1
176	18.1	14.6	21.8

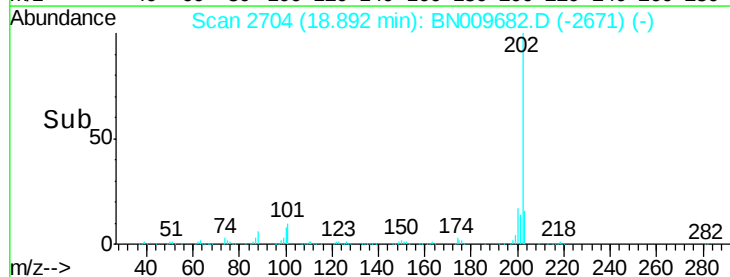
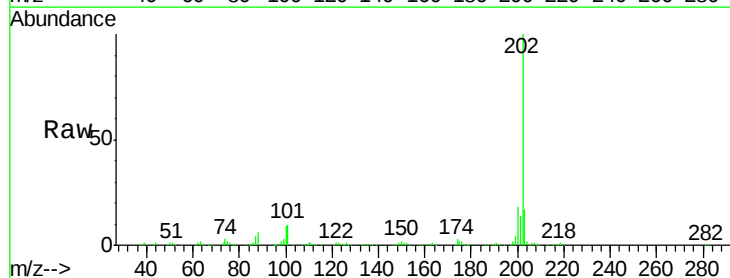
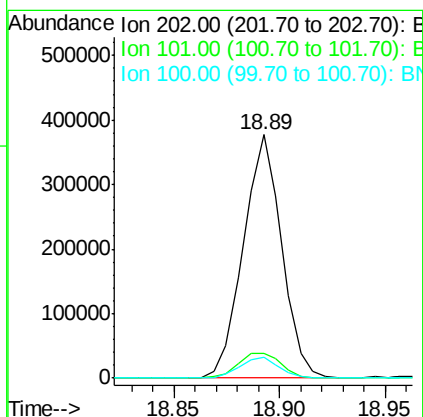
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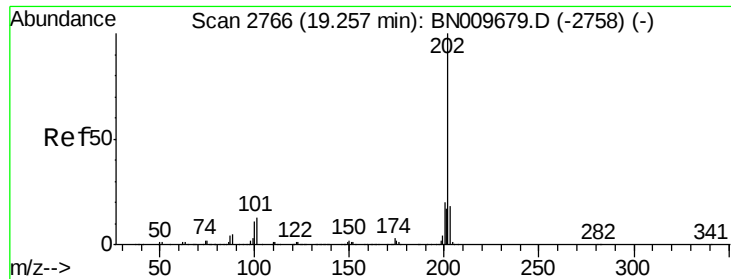
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#76
 Fluoranthene
 Concen: 20.747 ng/ul
 RT: 18.89 min Scan# 2704
 Delta R.T. -0.01 min
 Lab File: BN009682.D
 Acq: 10 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	9.2	13.8
100	8.5	6.9	10.3





#79

Pvrene

Concen: 26.673 ng/ul

RT: 19.26 min Scan# 2766

Delta R.T. -0.01 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

Instrument :

BNA_N

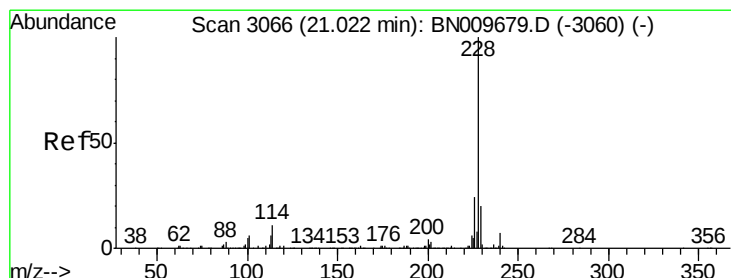
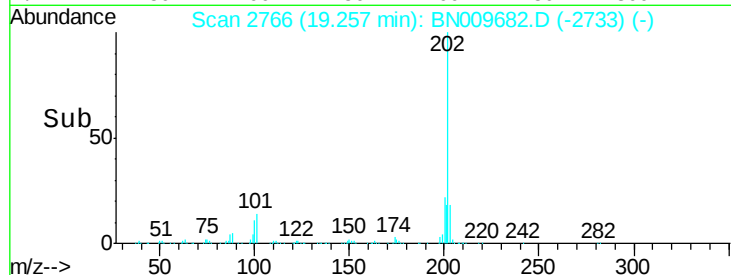
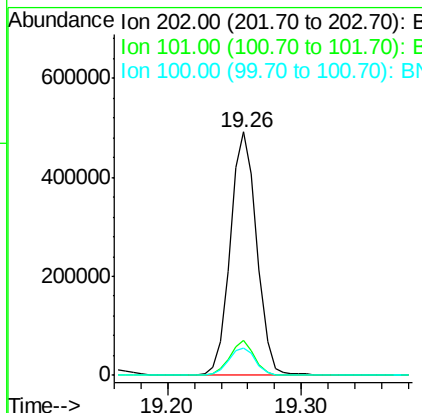
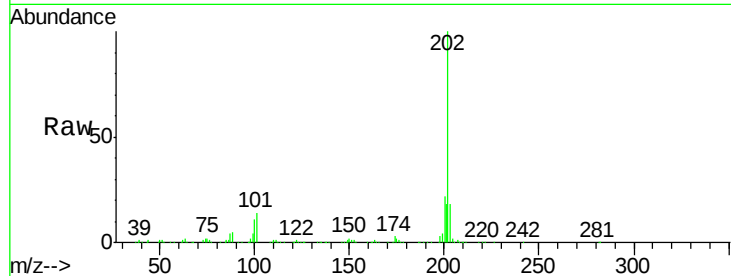
ClientSampleId :

GAT60DL2

Tot Ion:	202	Resp:	678869
Ion Ratio	Lower	Upper	
202	100		
101	14.3	10.3	15.5
100	11.3	8.4	12.6

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#82

Benzo(a)anthracene

Concen: 8.174 ng/ul

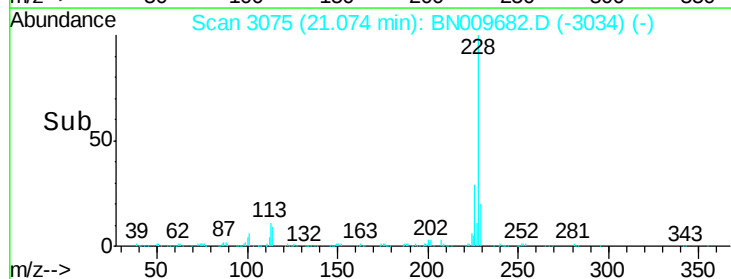
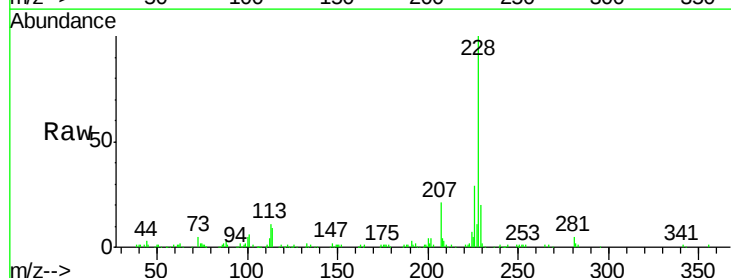
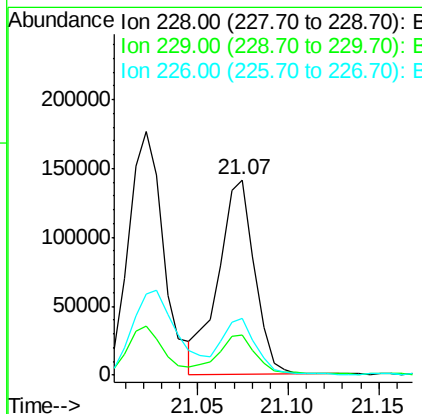
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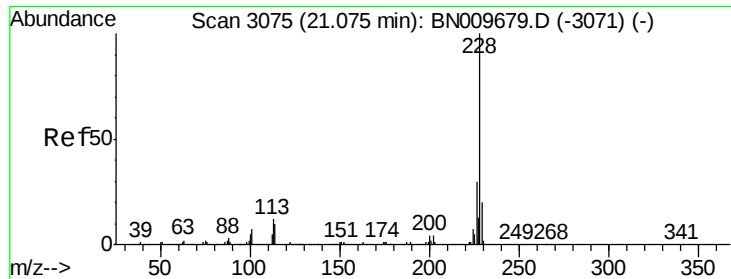
Delta R.T. 0.04 min

Lab File: BN009682.D

Acq: 10 Feb 2020 12:36

Tgt Ion:	228	Resp:	196772
Ion Ratio	Lower	Upper	
228	100		
229	20.4	15.0	22.4
226	29.1	20.9	31.3





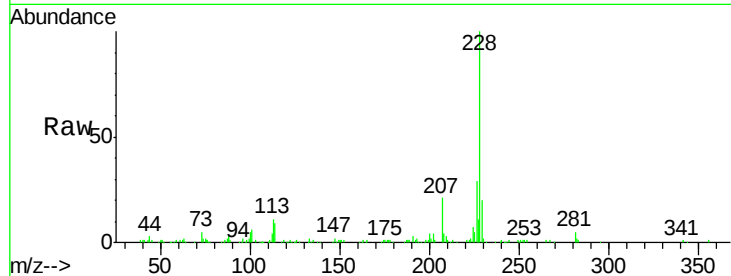
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Chrysene
Concen: 8.211 ng/ul
RT: 21.07 min Scan# 3075
Delta R.T. -0.01 min
Lab File: BN009682.D
Acq: 10 Feb 2020 12:36

Instrument :
BNA_N
ClientSampleId :
GAT60DL2

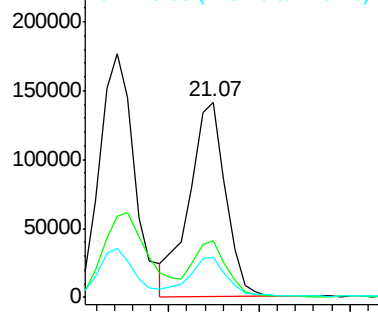
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.5	35.3
229	20.4	15.8	23.8

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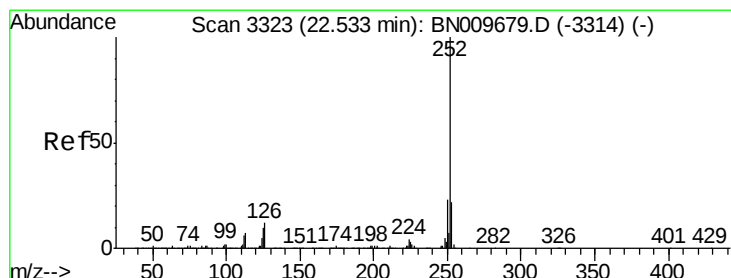
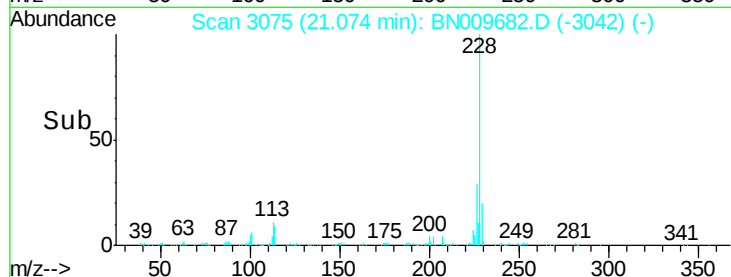
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

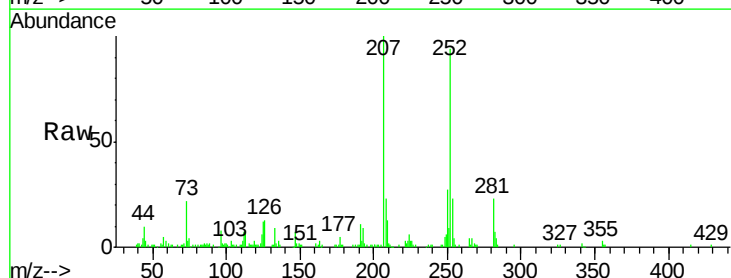


Time-->

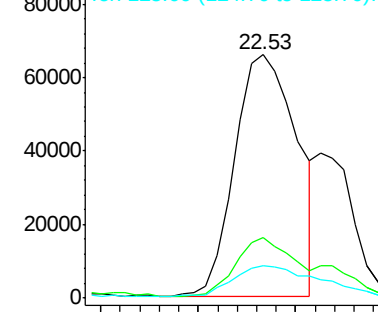


#87
Benzo(b)fluoranthene
Concen: 6.518 ng/ul
RT: 22.53 min Scan# 3323
Delta R.T. -0.01 min
Lab File: BN009682.D
Acq: 10 Feb 2020 12:36

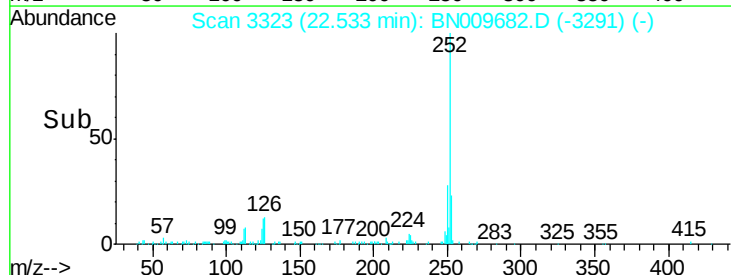
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.0	25.6
125	13.1	8.2	12.2#

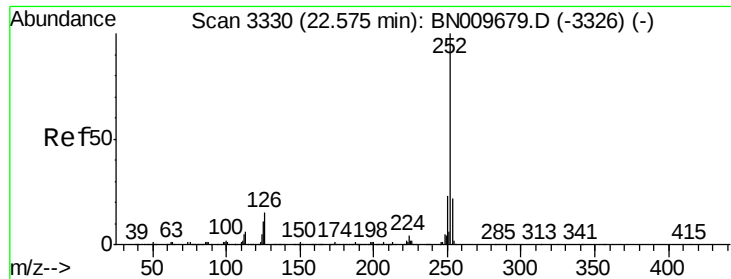


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





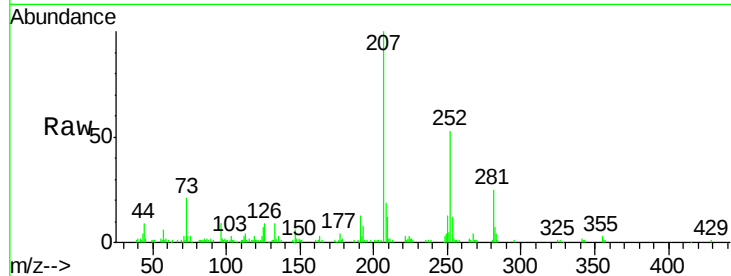
#88
Benzo(k)fluoranthene
Concen: 2.396 ng/ul m
RT: 22.56 min Scan# 3328
Delta R.T. -0.02 min
Lab File: BN009682.D
Acq: 10 Feb 2020 12:36

Instrument :
BNA_N
ClientSampled :
GAT60DL2

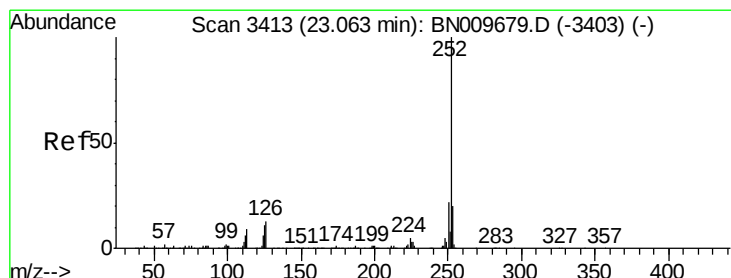
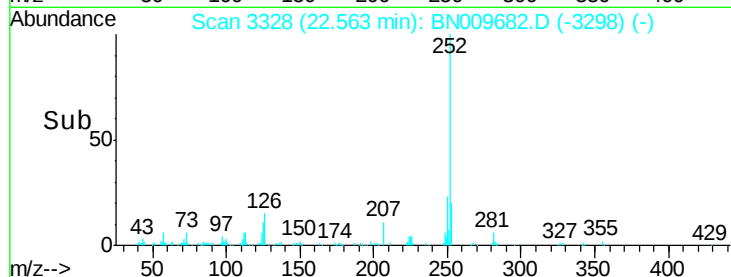
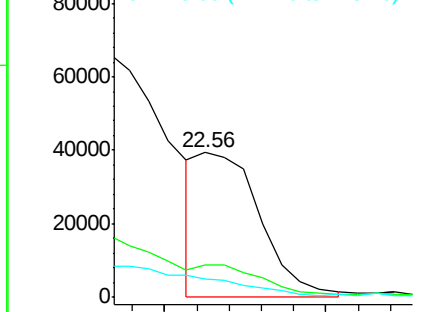
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.4
125	12.3	8.0	12.0

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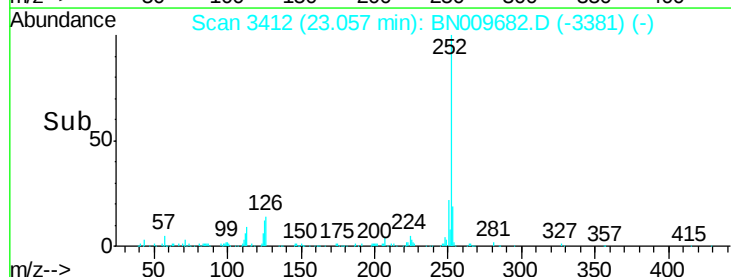
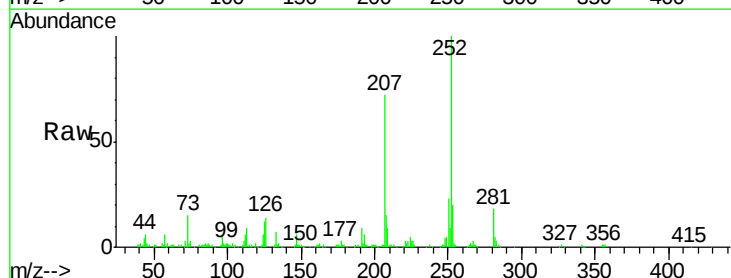
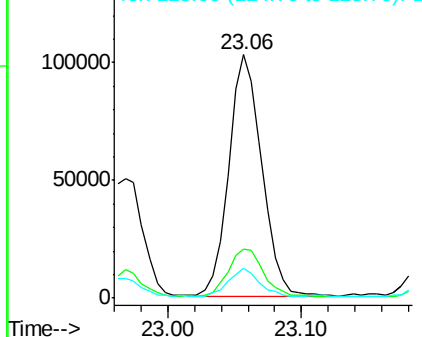
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

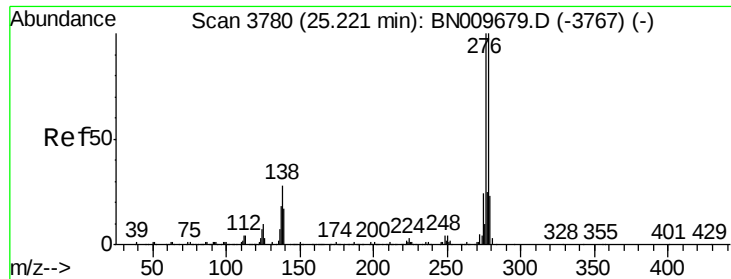


#90
Benzo(a)pyrene
Concen: 8.497 ng/ul
RT: 23.06 min Scan# 3412
Delta R.T. -0.02 min
Lab File: BN009682.D
Acq: 10 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.2	15.8	23.8
125	12.3	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





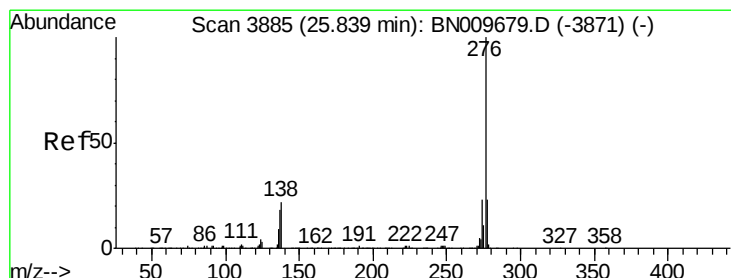
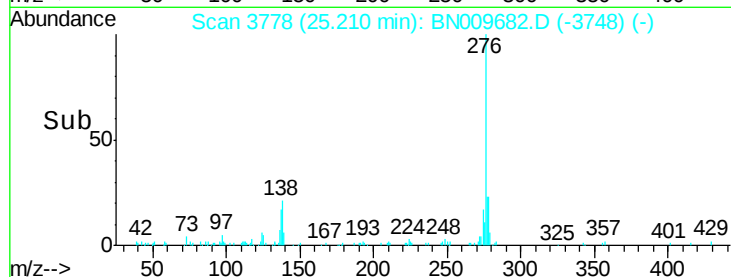
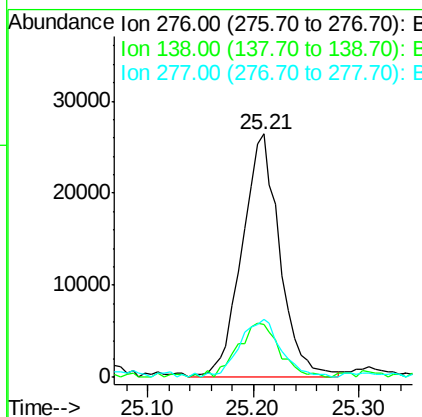
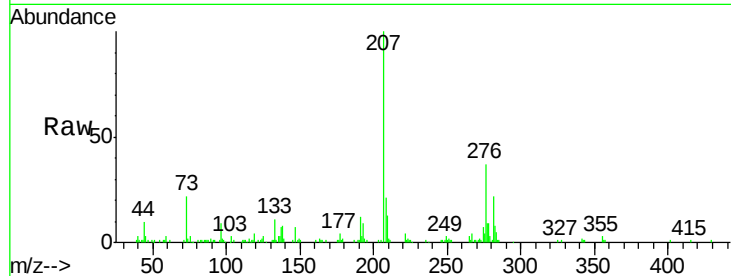
#91
Indeno(1,2,3-cd)pyrene
Concen: 2.671 ng/ul
RT: 25.21 min Scan# 3778
Delta R.T. -0.02 min
Lab File: BN009682.D
Acq: 10 Feb 2020 12:36

Instrument :
BNA_N
ClientSampleId :
GAT60DL2

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	20.3	30.5
277	23.7	21.2	31.8

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#93
Benzo(g,h,i)perylene
Concen: 3.267 ng/ul
RT: 25.83 min Scan# 3884
Delta R.T. -0.02 min
Lab File: BN009682.D
Acq: 10 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	16.0	24.0
277	24.8	17.0	25.6

