

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
 Data File : BN009686.D
 Acq On : 10 Feb 2020 15:36
 Operator : CG/JU
 Sample : L1324-19ME
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT74ME

Manual Integrations
 APPROVED

mohammad
 2/12/2020 9:51:27 AM

Quant Time: Feb 11 05:32:06 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	129283	20.00	ng/ul	0.00
18) Naphthalene-d8	10.18	136	550925	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.06	164	338768	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.82	188	715426	20.00	ng/ul	0.00
77) Chrysene-d12	21.03	240	678719	20.00	ng/ul	-0.01
85) Perylene-d12	23.15	264	668589	20.00	ng/ul	-0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.07	96	8263	2.62	ng/uL	0.00
5) Phenol-d5	6.63	99	144031	12.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	120313	15.89	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	115601	13.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.14	113	124742	13.89	ng/ul	0.00
19) Nitrobenzene-d5	8.57	128	63621	15.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	71210	15.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.82	165	112696	13.16	ng/ul	0.00
29) 4-Chloroaniline-d4	10.33	131	136413	14.81	ng/ul	0.00
43) Dimethylphthalate-d6	13.49	166	455785	18.43	ng/ul	0.00
46) Acenaphthylene-d8	13.75	160	423740	14.18	ng/ul	0.00
51) 4-Nitrophenol-d4	14.31	143	62547	13.39	ng/ul	0.00
57) Fluorene-d10	15.07	176	358850	16.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	58819	13.16	ng/ul	0.00
70) Anthracene-d10	16.92	188	502375	15.45	ng/ul	0.00
78) Pyrene-d10	19.23	212	472072	13.23	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	435767	13.24	ng/ul	-0.01

Target Compounds				Ovalue		
44) Dimethylphthalate	13.54	163	42806	1.631	ng/ul	98
47) Acenaphthylene	13.78	152	525764	16.078	ng/ul	100
49) Acenaphthene	14.13	153	25134	1.131	ng/ul	93
58) Fluorene	15.15	166	38909	1.504	ng/ul#	52
69) Phenanthrene	16.86	178	203767	4.994	ng/ul	99
71) Anthracene	16.96	178	314732	7.603	ng/ul	99
76) Fluoranthene	18.89	202	1889901	40.586	ng/ul	99
79) Pyrene	19.26	202	2724768	54.994	ng/ul	98
82) Benzo(a)anthracene	21.02	228	875530m	18.683	ng/ul	
84) Chrysene	21.07	228	885566	18.982	ng/ul	99
87) Benzo(b)fluoranthene	22.53	252	730314	17.459	ng/ul#	97
88) Benzo(k)fluoranthene	22.57	252	255563m	6.204	ng/ul	
90) Benzo(a)pyrene	23.06	252	375955	9.700	ng/ul#	93
91) Indeno(1,2,3-cd)pyrene	25.20	276	291060	6.317	ng/ul	94
92) Dibenzo(a,h)anthracene	25.21	278	115286m	2.972	ng/ul	
93) Benzo(g,h,i)perylene	25.83	276	187680	4.860	ng/ul	96

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

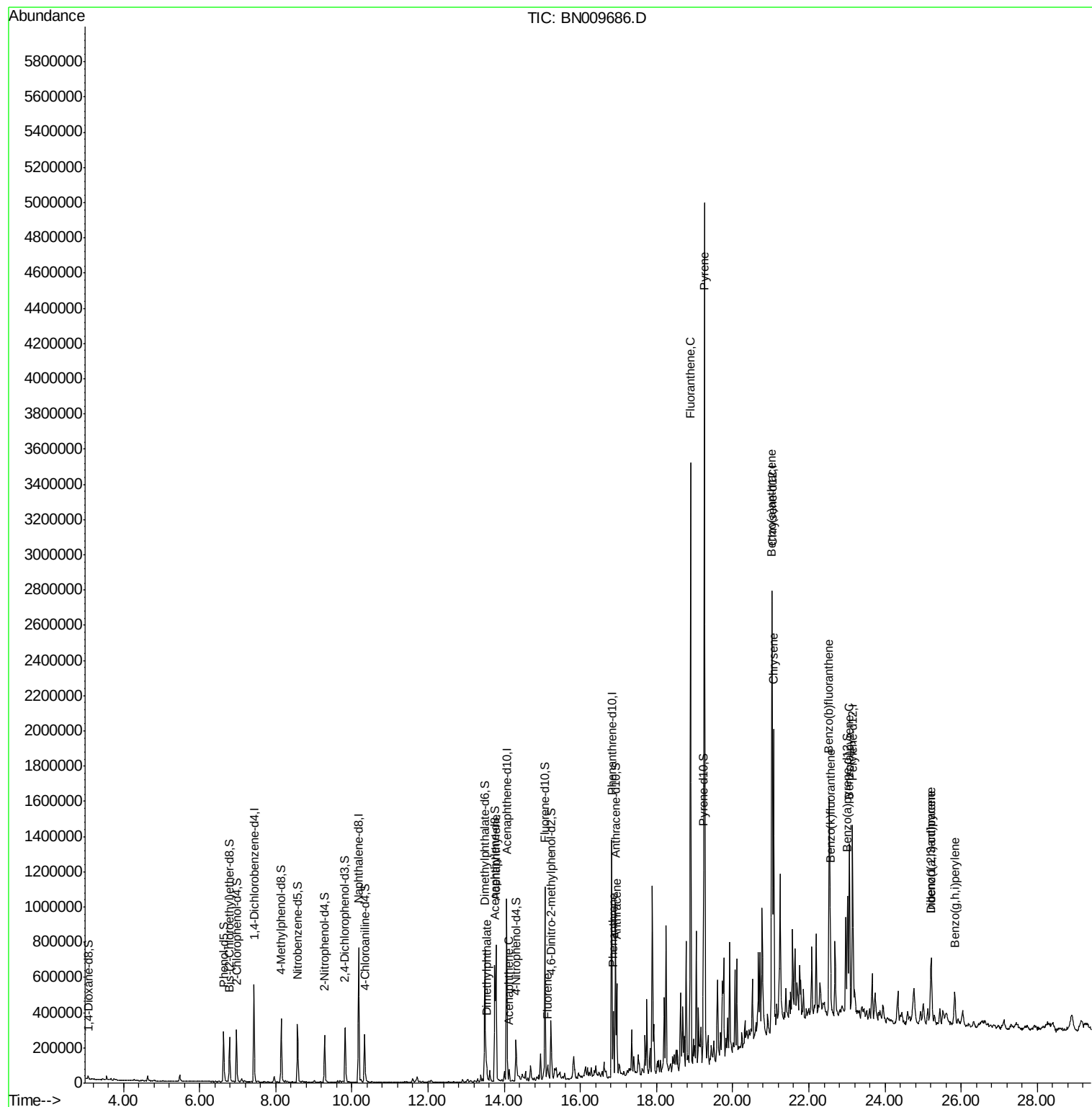
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021020\
Data File : BN009686.D
Acq On : 10 Feb 2020 15:36
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Sample : L1324-19ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

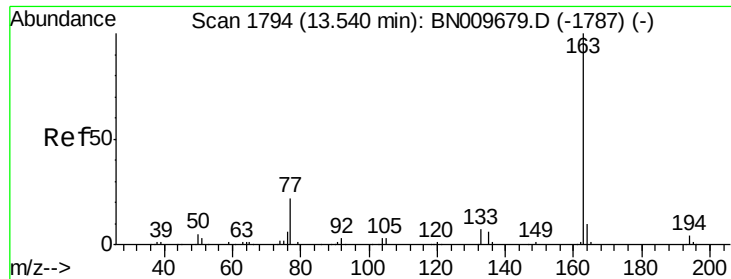
Instrument :
BNA_N
ClientSampleId :
GAT74ME

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Quant Time: Feb 11 05:32:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
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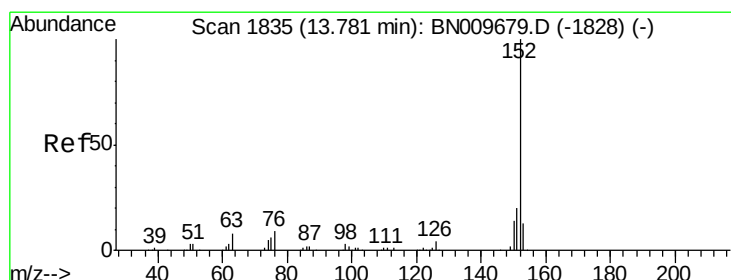
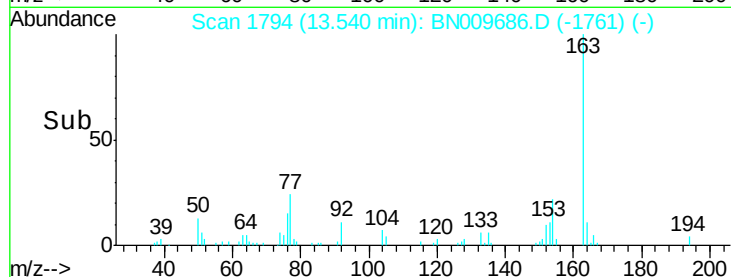
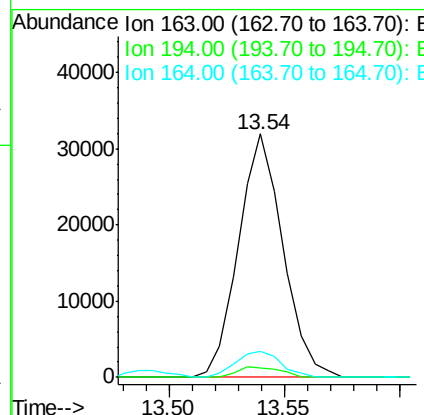
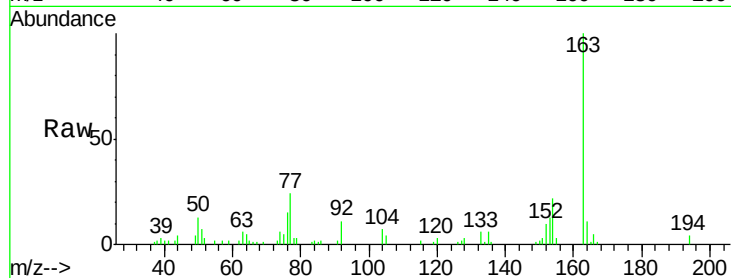
#44
Dimethylphthalate
Concen: 1.631 ng/ul
RT: 13.54 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BN009686.D
Acq: 10 Feb 2020 15:36

Instrument :
BNA_N
ClientSampleId :
GAT74ME

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.5	5.3
164	10.9	8.0	12.0

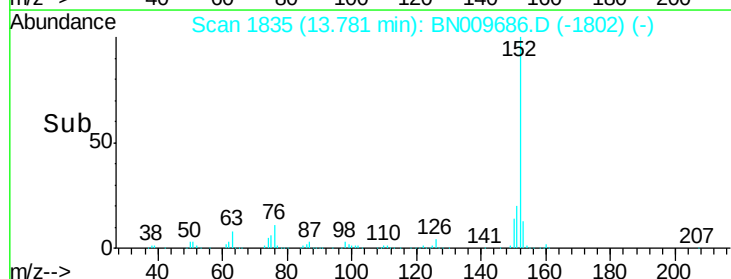
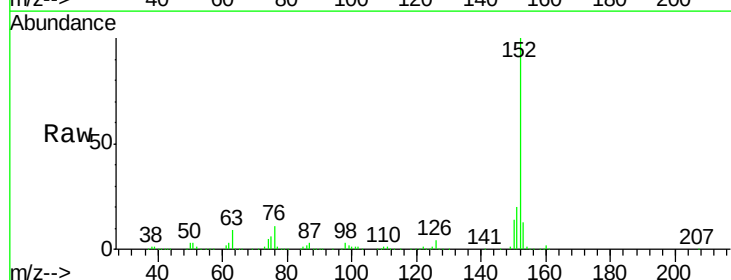
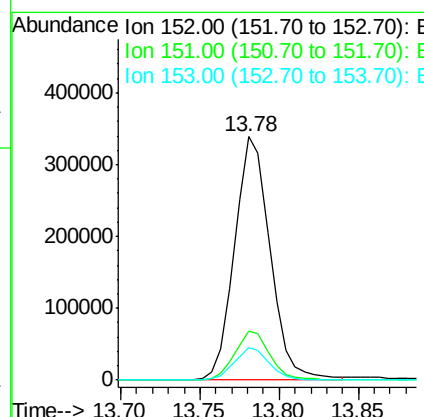
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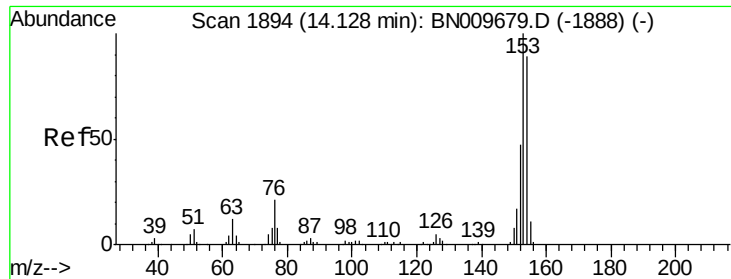
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#47
Acenaphthylene
Concen: 16.078 ng/ul
RT: 13.78 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BN009686.D
Acq: 10 Feb 2020 15:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.2	10.6	15.8





#49

Acenaphthene

Concen: 1.131 ng/ul

RT: 14.13 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

Instrument :

BNA_N

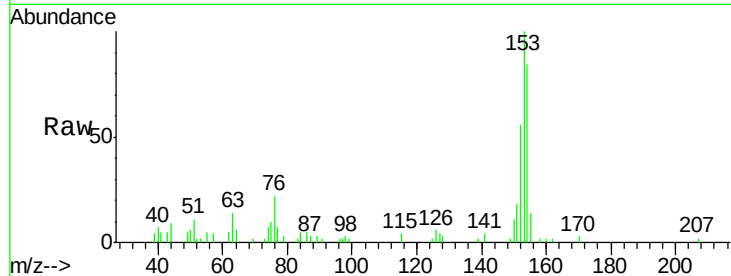
ClientSampleId :

GAT74ME

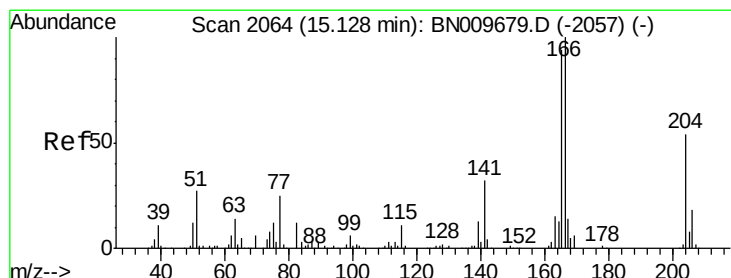
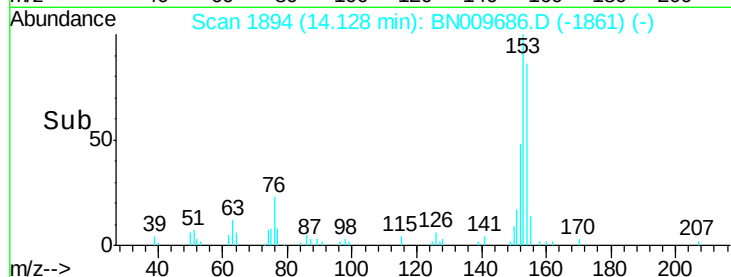
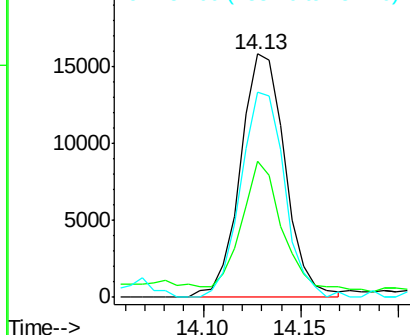
Tot Ion:	153	Resp:	25134
Ion	Ratio	Lower	Upper
153	100		
152	55.7	37.3	55.9
154	84.3	70.2	105.2

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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



#58

Fluorene

Concen: 1.504 ng/ul

RT: 15.15 min Scan# 2067

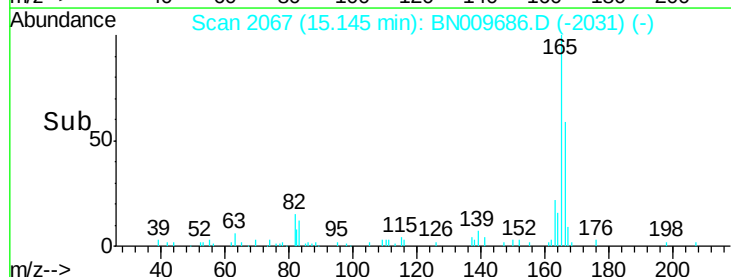
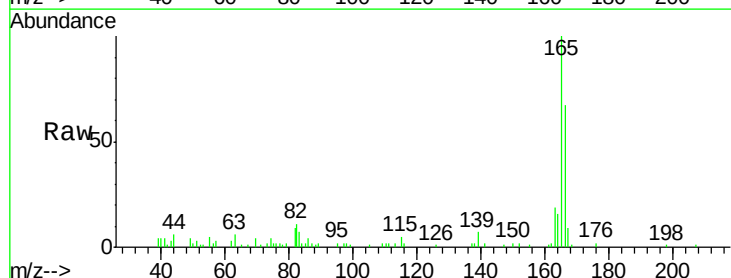
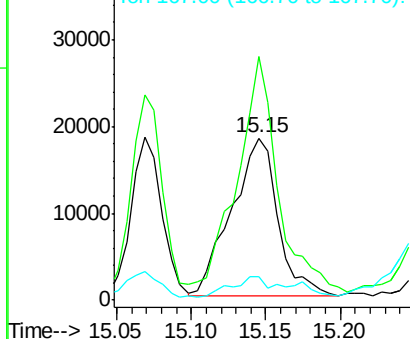
Delta R.T. 0.01 min

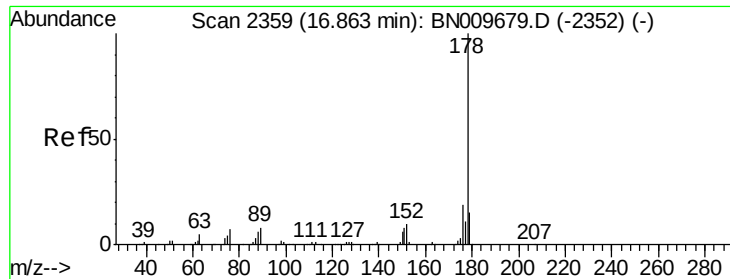
Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

Tgt Ion:	166	Resp:	38909
Ion	Ratio	Lower	Upper
166	100		
165	150.0	76.7	115.1#
167	14.1	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





#69

Phenanthrene

Concen: 4.994 ng/ul

RT: 16.86 min Scan# 2359

Delta R.T. -0.01 min

Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

Instrument :

BNA_N

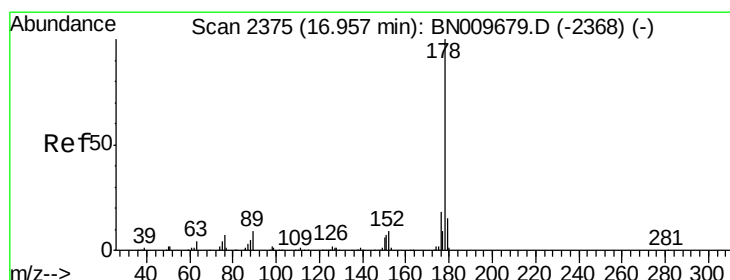
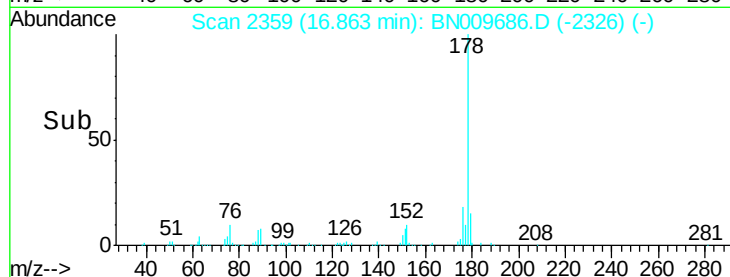
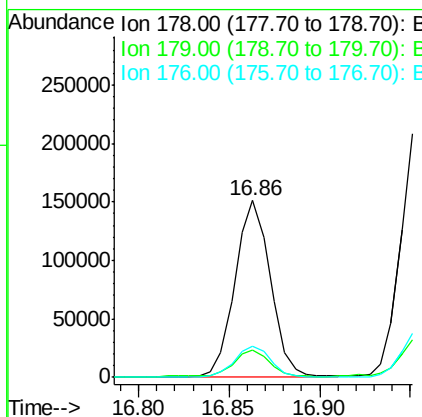
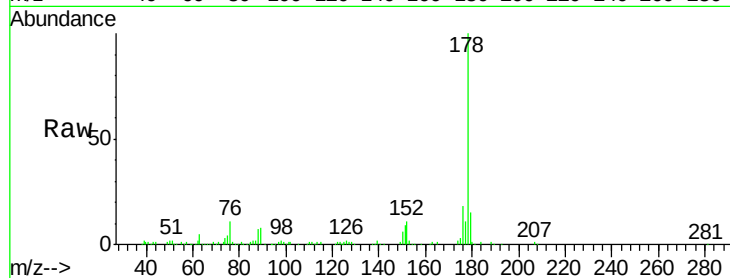
ClientSampleId :

GAT74ME

Tot Ion:	178	Resp:	203767
Ion Ratio	Lower	Upper	
178	100		
179	15.1	12.2	18.2
176	17.8	14.8	22.2

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#71

Anthracene

Concen: 7.603 ng/ul

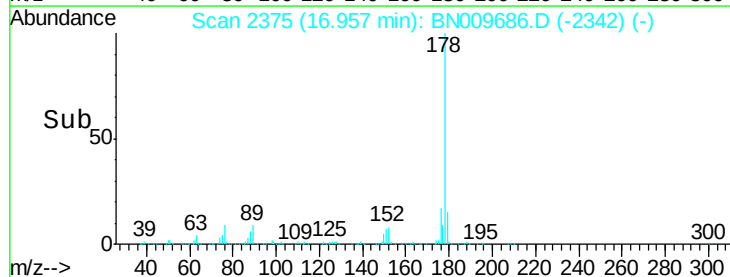
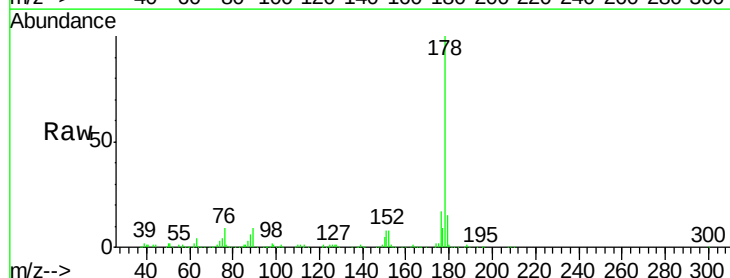
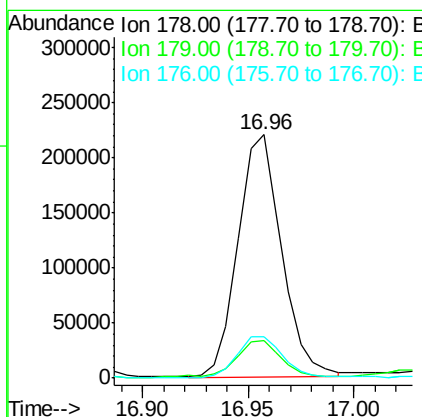
RT: 16.96 min Scan# 2375

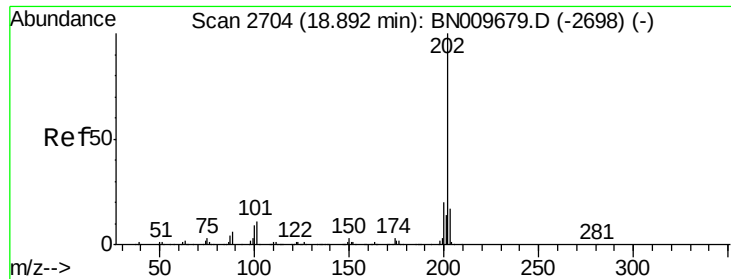
Delta R.T. -0.01 min

Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

Tgt Ion:	178	Resp:	314732
Ion Ratio	Lower	Upper	
178	100		
179	15.2	12.1	18.1
176	17.3	14.6	21.8





#76

Fluoranthene

Concen: 40.586 ng/ul

RT: 18.89 min Scan# 2704

Delta R.T. -0.01 min

Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

Instrument :

BNA_N

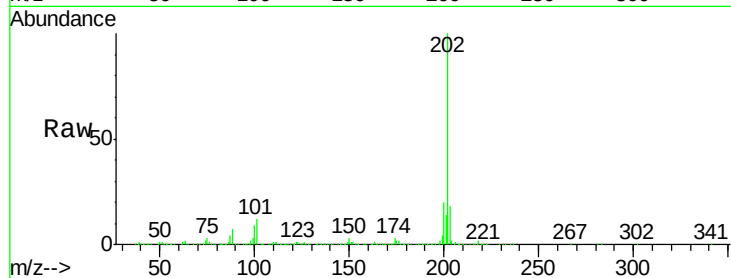
ClientSampleId :

GAT74ME

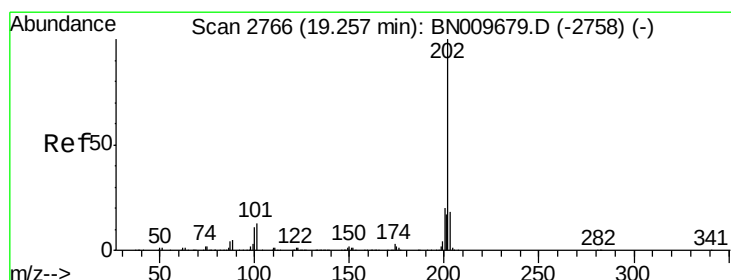
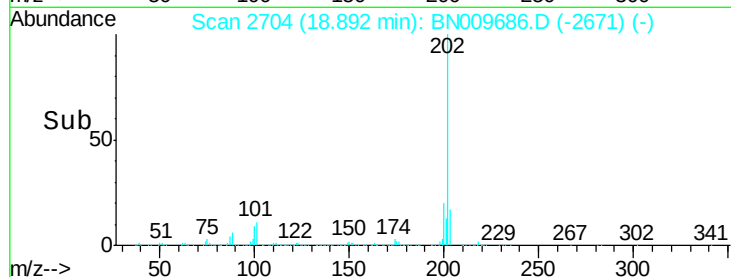
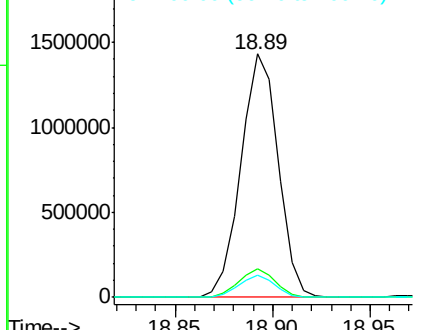
Tot Ion	Ratio	Resp	Lower	Upper
202	100	1889901		
101	11.7	9.2	13.8	
100	9.1	6.9	10.3	

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



#79

Pyrene

Concen: 54.994 ng/ul

RT: 19.26 min Scan# 2766

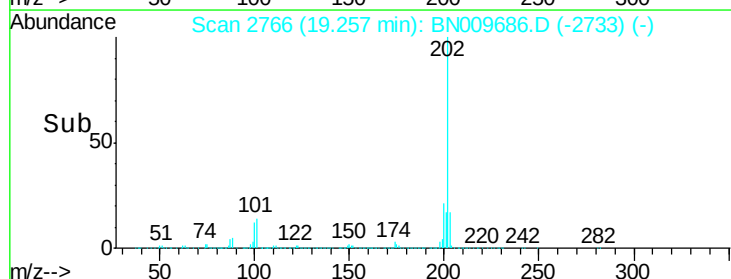
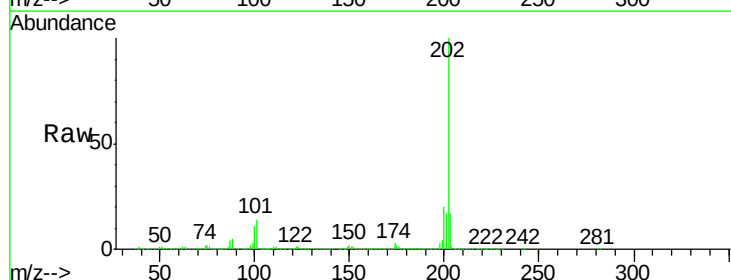
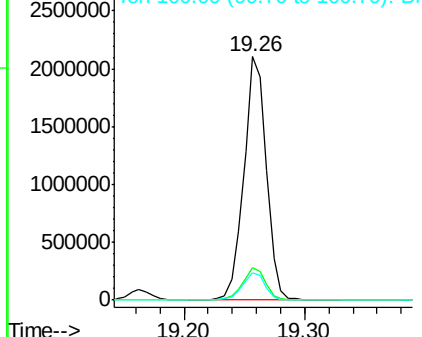
Delta R.T. -0.01 min

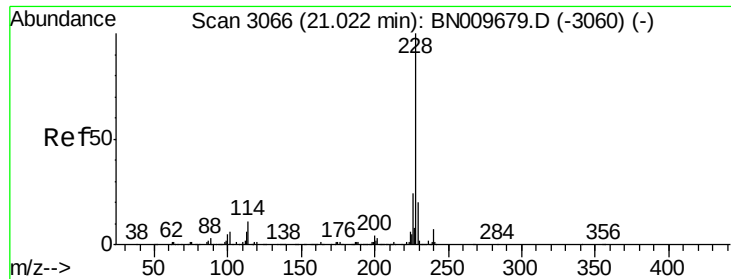
Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2724768		
101	13.6	10.3	15.5	
100	11.5	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: 18.683 ng/ul m

RT: 21.02 min Scan# 3066

Delta R.T. -0.01 min

Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

Instrument :

BNA_N

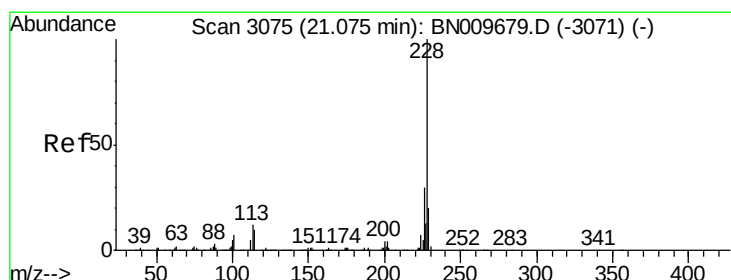
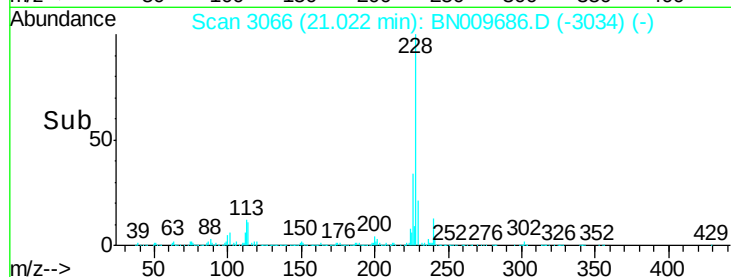
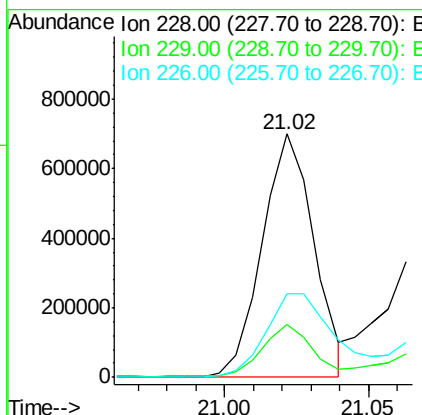
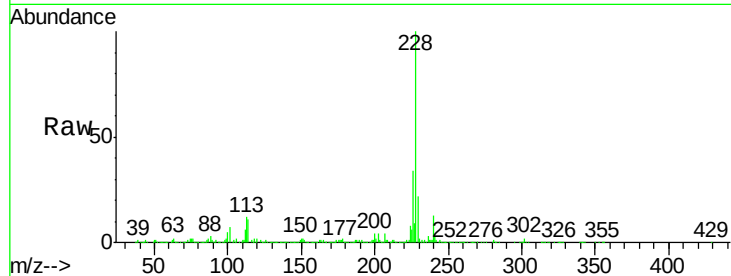
ClientSampleId :

GAT74ME

Tot Ion:	228	Resp:	875530
Ion Ratio	Lower	Upper	
228	100		
229	21.5	15.0	22.4
226	34.4	20.9	31.3#

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#84

Chrysene

Concen: 18.982 ng/ul

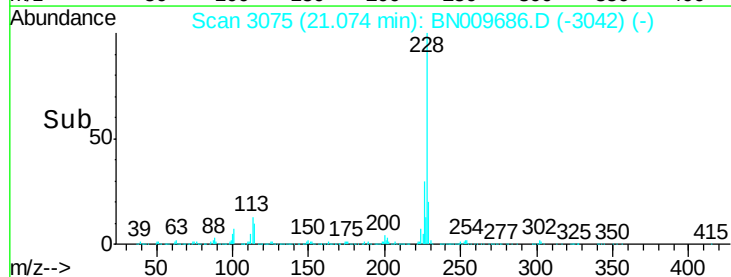
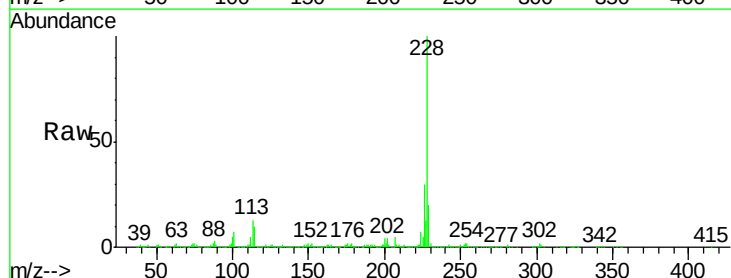
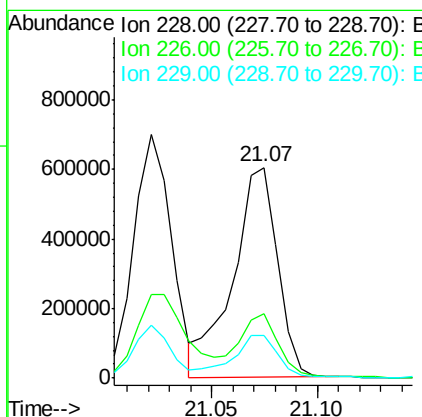
RT: 21.07 min Scan# 3075

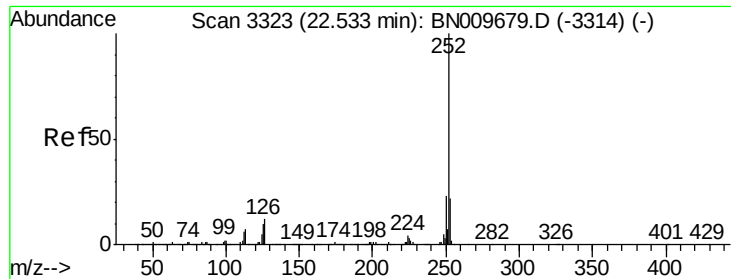
Delta R.T. -0.01 min

Lab File: BN009686.D

Acq: 10 Feb 2020 15:36

Tgt Ion:	228	Resp:	885566
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.5	35.3
229	20.0	15.8	23.8





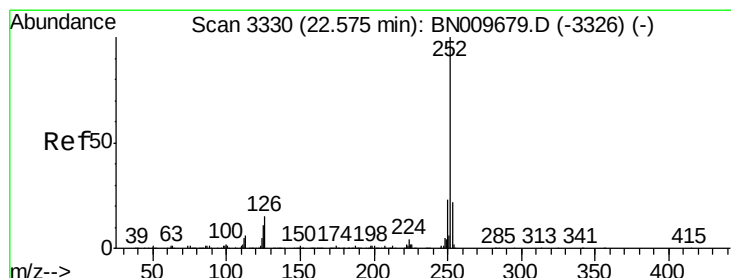
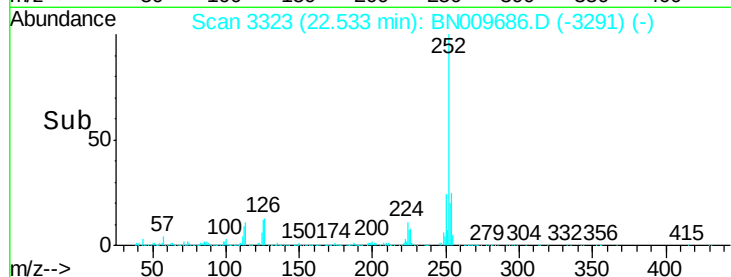
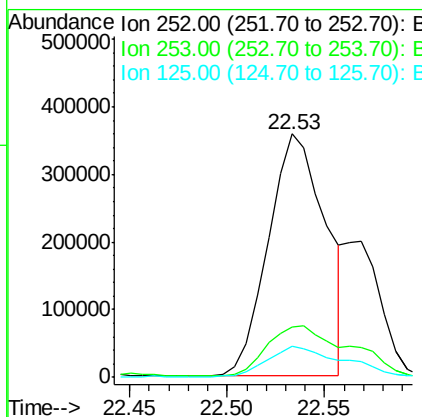
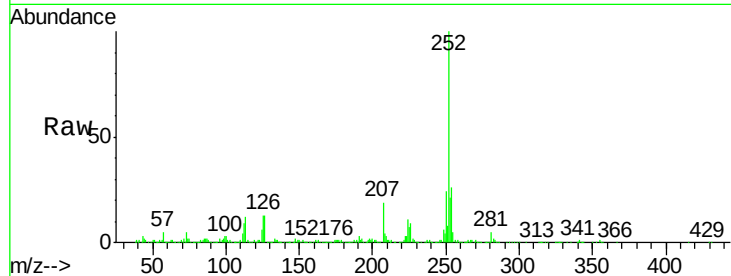
#87
Benzo(b)fluoranthene
Concen: 17.459 ng/ul
RT: 22.53 min Scan# 3323
Delta R.T. -0.01 min
Lab File: BN009686.D
Acq: 10 Feb 2020 15:36

Instrument :
BNA_N
ClientSampleId :
GAT74ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.0	25.6
125	12.6	8.2	12.2

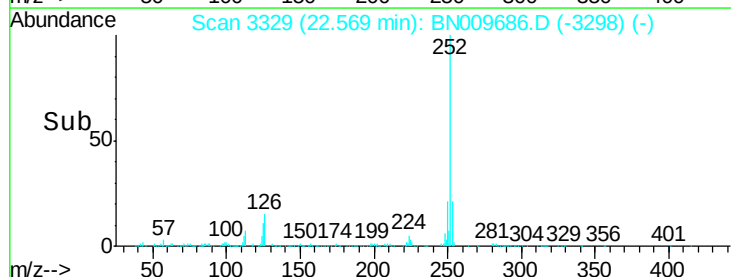
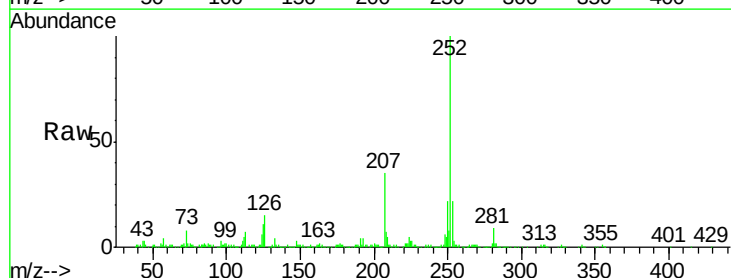
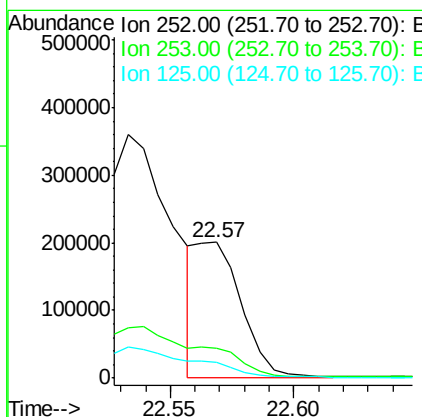
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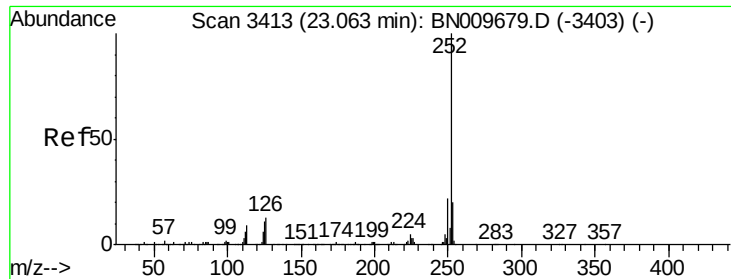
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#88
Benzo(k)fluoranthene
Concen: 6.204 ng/ul m
RT: 22.57 min Scan# 3329
Delta R.T. -0.02 min
Lab File: BN009686.D
Acq: 10 Feb 2020 15:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.4
125	11.2	8.0	12.0





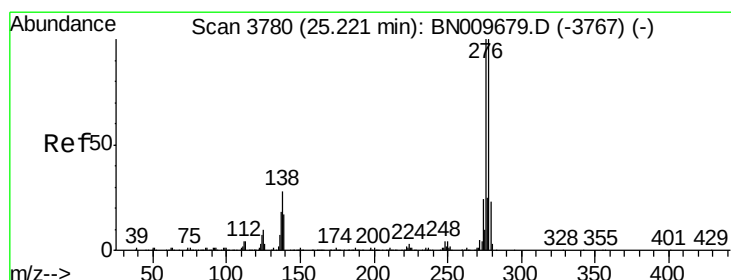
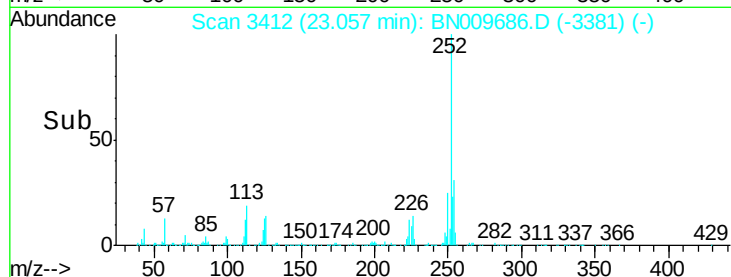
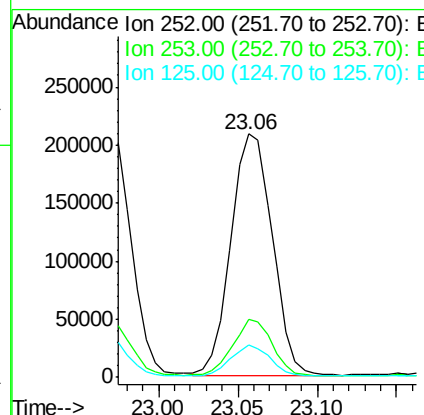
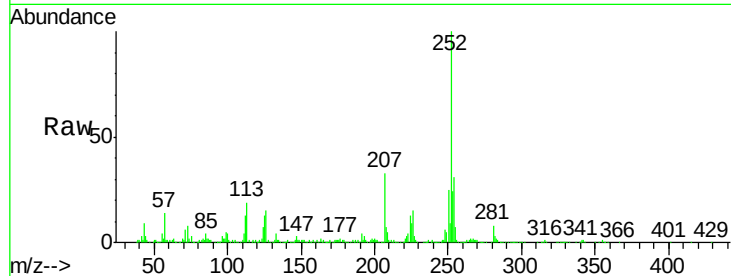
#90
Benzo(a)pyrene
Concen: 9.700 ng/ul
RT: 23.06 min Scan# 3412
Delta R.T. -0.02 min
Lab File: BN009686.D
Acq: 10 Feb 2020 15:36

Instrument :
BNA_N
ClientSampleId :
GAT74ME

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.6	15.8	23.8
125	13.2	8.7	13.1

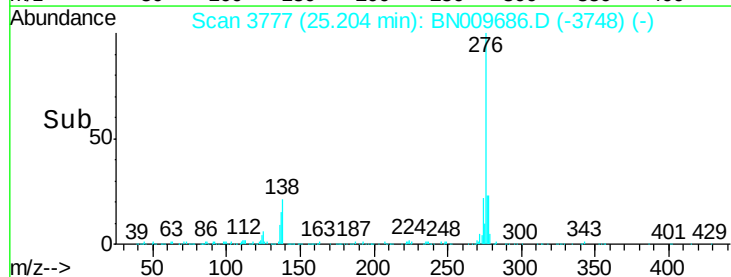
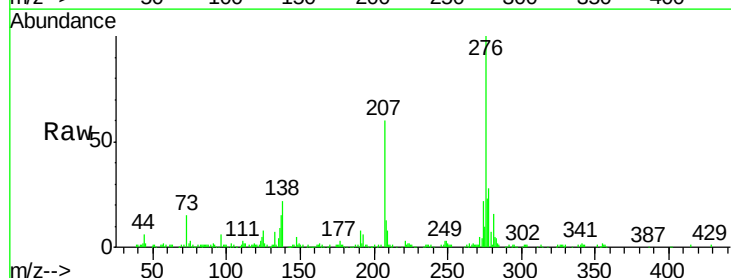
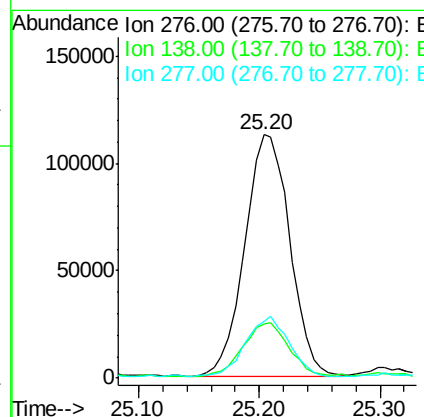
Manual Integrations
APPROVED

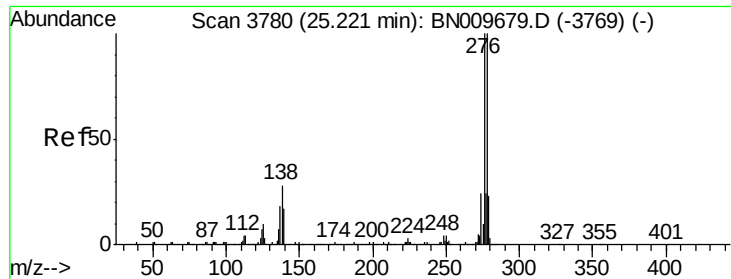
mohammad
2/12/2020 9:51:27 AM



#91
Indeno(1,2,3-cd)pyrene
Concen: 6.317 ng/ul
RT: 25.20 min Scan# 3777
Delta R.T. -0.03 min
Lab File: BN009686.D
Acq: 10 Feb 2020 15:36

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	22.1	20.3	30.5
277	23.2	21.2	31.8





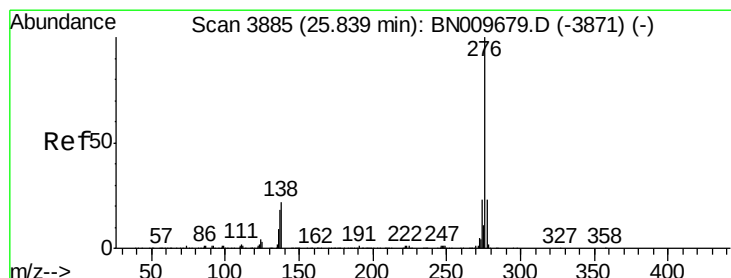
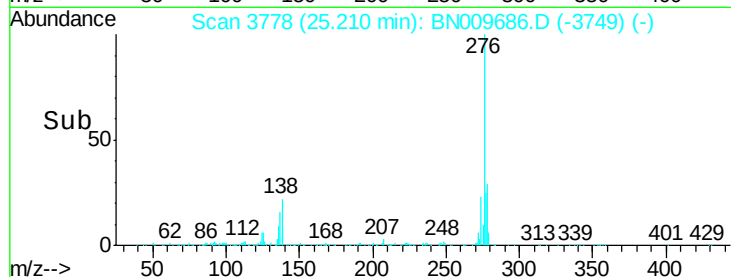
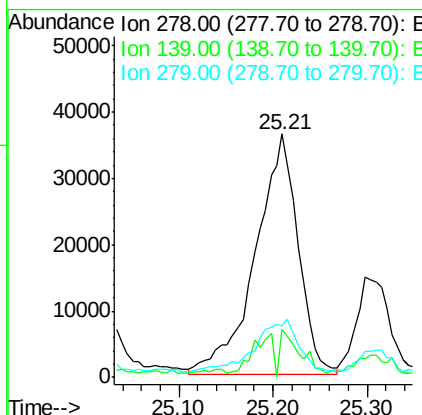
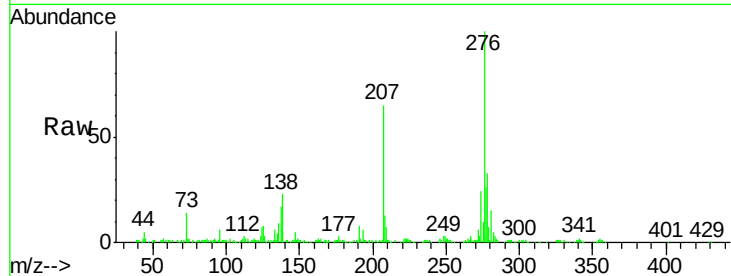
#92
Dibenzo(a,h)anthracene
Concen: 2.972 ng/ul m
RT: 25.21 min Scan# 3778
Delta R.T. -0.03 min
Lab File: BN009686.D
Acq: 10 Feb 2020 15:36

Instrument :
BNA_N
ClientSampleId :
GAT74ME

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.8	12.7	19.1#
279	21.3	19.8	29.8

Manual Integrations
APPROVED

mohammad
2/12/2020 9:51:27 AM



#93
Benzo(g,h,i)perylene
Concen: 4.860 ng/ul
RT: 25.83 min Scan# 3884
Delta R.T. -0.02 min
Lab File: BN009686.D
Acq: 10 Feb 2020 15:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.4	16.0	24.0
277	23.7	17.0	25.6

