

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
 Data File : BN009687.D
 Acq On : 10 Feb 2020 16:12
 Operator : CG/JU
 Sample : L1324-09ME
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAT66ME

Manual Integrations
 APPROVED

mohammad
 2/12/2020 9:51:23 AM

Quant Time: Feb 11 10:31:47 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	127357	20.00	ng/ul	0.00
18) Naphthalene-d8	10.17	136	540641	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.06	164	336230	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.82	188	694362	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	665694	20.00	ng/ul	0.00
85) Perylene-d12	23.15	264	674107	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	6344	2.04	ng/uL	0.00
5) Phenol-d5	6.63	99	121173	10.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	101111	13.55	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	103459	12.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.14	113	98681	11.16	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	54239	13.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.28	143	53754	11.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.82	165	98036	11.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.33	131	80659	8.93	ng/ul	0.00
43) Dimethylphthalate-d6	13.49	166	323895	13.20	ng/ul	0.00
46) Acenaphthylene-d8	13.75	160	406482	13.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.31	143	34440	7.43	ng/ul	0.00
57) Fluorene-d10	15.07	176	325055	15.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	32249	7.44	ng/ul	0.00
70) Anthracene-d10	16.92	188	484904	15.37	ng/ul	0.00
78) Pyrene-d10	19.23	212	493439	14.10	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	478937	14.43	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.23	128	4576993	156.113	ng/ul	99
34) 2-Methylnaphthalene	11.86	142	3252297	158.514	ng/ul	99
40) 1,1'-Biphenyl	12.89	154	359802	13.744	ng/ul	98
47) Acenaphthylene	13.79	152	1971098	60.733	ng/ul	99
49) Acenaphthene	14.13	153	149817	6.790	ng/ul	99
53) Dibenzofuran	14.47	168	163854	5.333	ng/ul	93
58) Fluorene	15.13	166	1036652	40.373	ng/ul	97
69) Phenanthrene	16.87	178	4384371	110.720	ng/ul	98
71) Anthracene	16.96	178	1115960	27.775	ng/ul	99
76) Fluoranthene	18.90	202	1913429	42.337	ng/ul	98
79) Pyrene	19.26	202	3229082	66.448	ng/ul	100
82) Benzo(a)anthracene	21.02	228	1040084	22.629	ng/ul#	90
84) Chrysene	21.07	228	872772	19.074	ng/ul	96
87) Benzo(b)fluoranthene	22.53	252	1069507	25.358	ng/ul	95
88) Benzo(k)fluoranthene	22.57	252	249624m	6.010	ng/ul	
90) Benzo(a)pyrene	23.06	252	952896	24.386	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.21	276	453530	9.762	ng/ul	95
92) Dibenzo(a,h)anthracene	25.21	278	151109	3.864	ng/ul#	83
93) Benzo(g,h,i)perylene	25.83	276	370751	9.522	ng/ul	93

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

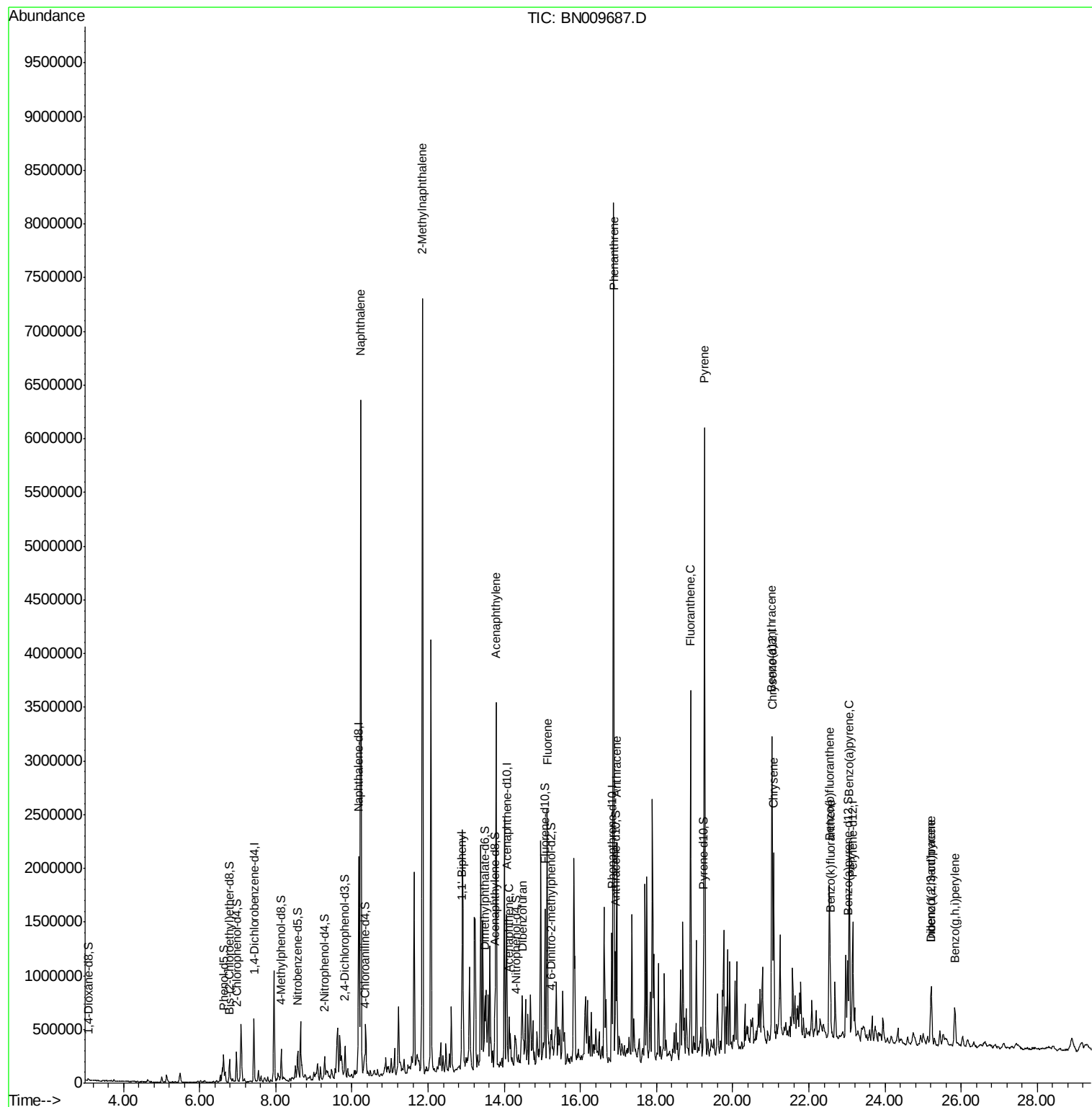
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009687.D
Acq On : 10 Feb 2020 16:12
Operator : CG/JU
Sample : L1324-09ME
Misc :
ALS Vial : 11 Sample Multiplier: 1

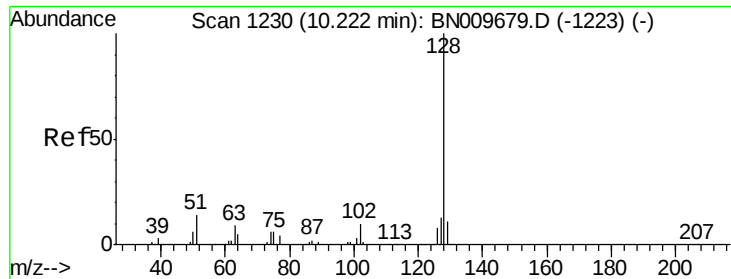
Instrument :
BNA_N
ClientSampleId :
GAT66ME

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Quant Title : SVOA CALIBRATION
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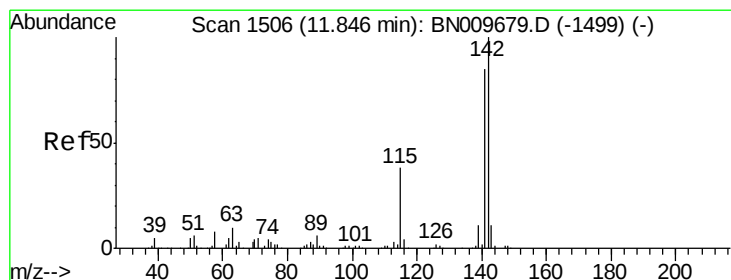
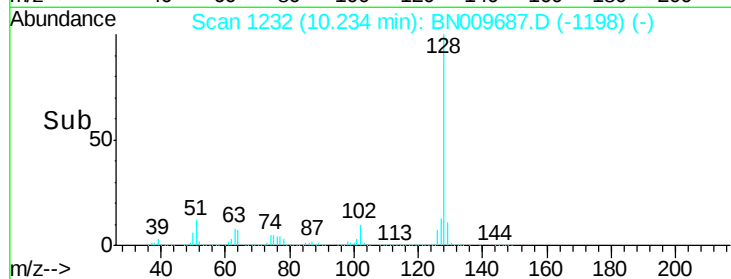
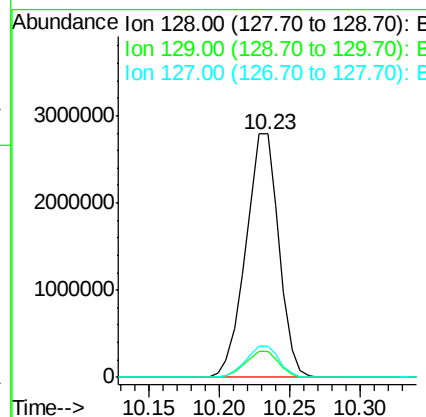
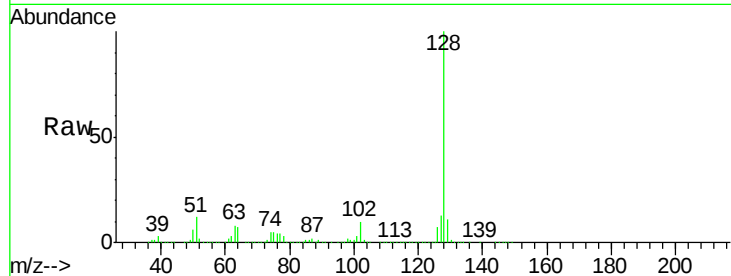
#28
Naphthalene
Concen: 156.113 ng/ul
RT: 10.23 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BN009687.D
Acq: 10 Feb 2020 16:12

Instrument :
BNA_N
ClientSampleId :
GAT66ME

Tot Ion:128 Resp: 4576993
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 12.8 10.7 16.1

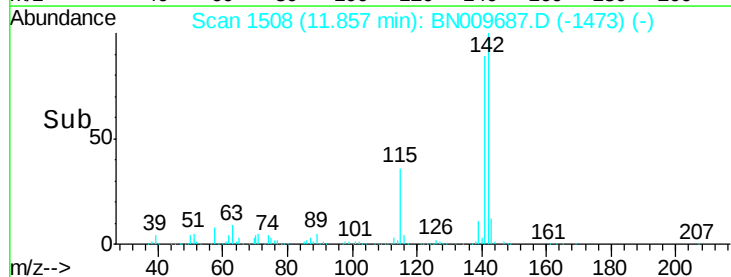
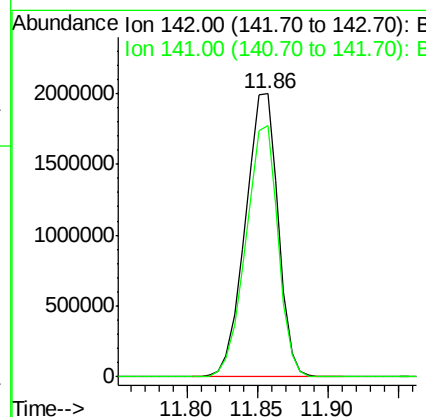
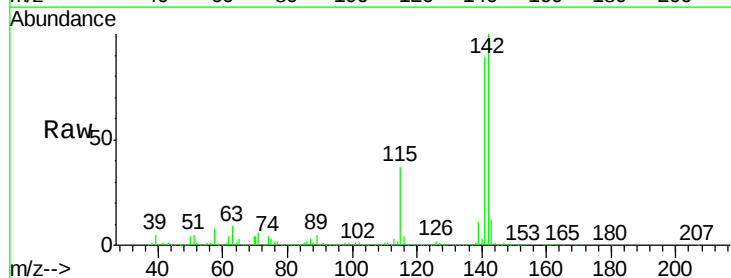
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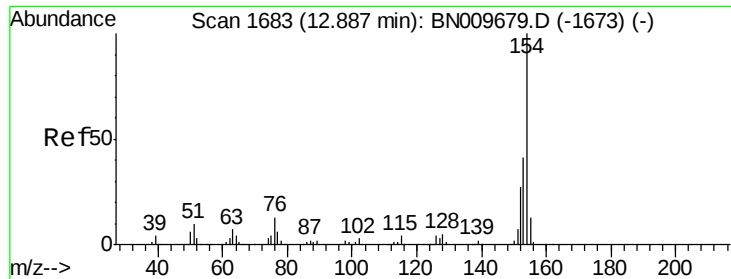
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#34
2-Methylnaphthalene
Concen: 158.514 ng/ul
RT: 11.86 min Scan# 1508
Delta R.T. 0.01 min
Lab File: BN009687.D
Acq: 10 Feb 2020 16:12

Tgt Ion:142 Resp: 3252297
Ion Ratio Lower Upper
142 100
141 88.8 71.5 107.3





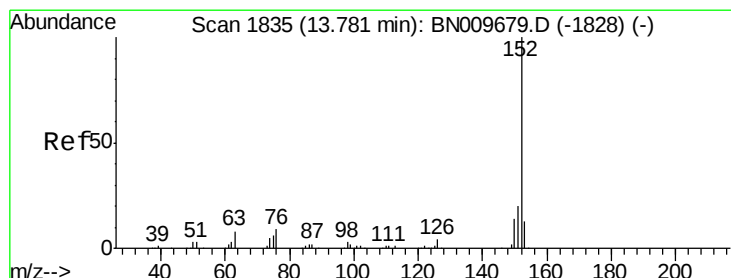
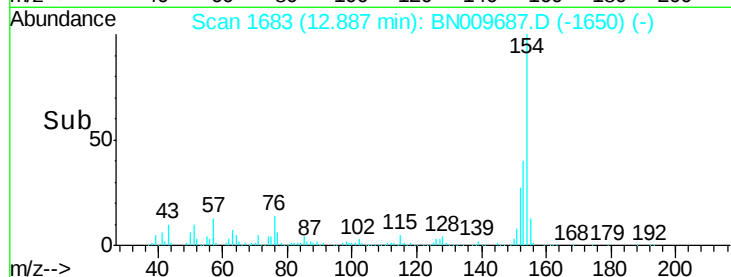
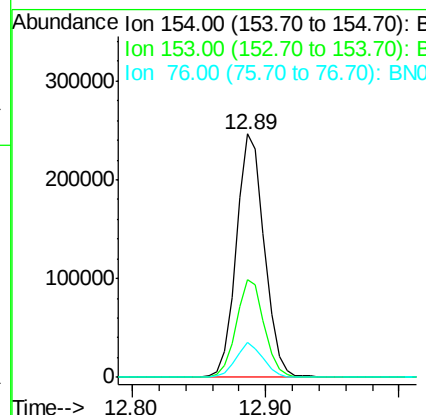
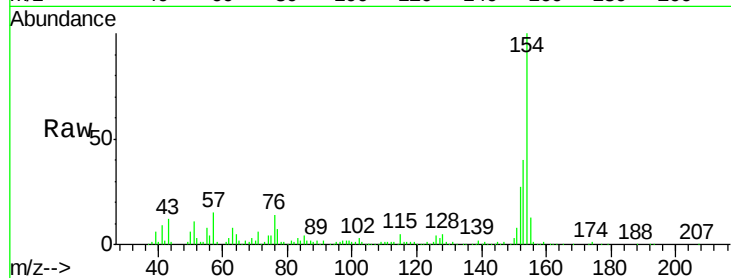
#40
1,1'-Biphenyl
Concen: 13.744 ng/ul
RT: 12.89 min Scan# 1683
Delta R.T. -0.01 min
Lab File: BN009687.D
Acq: 10 Feb 2020 16:12

Instrument :
BNA_N
ClientSampleId :
GAT66ME

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.3	31.2	46.8
76	14.5	11.4	17.2

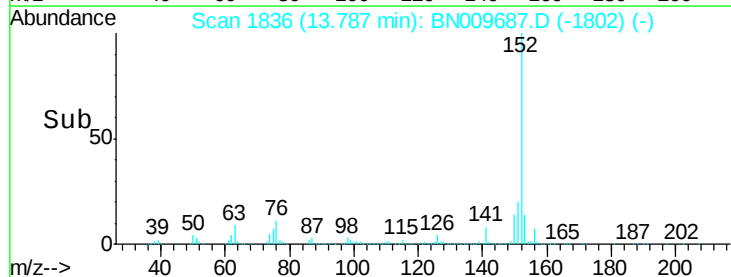
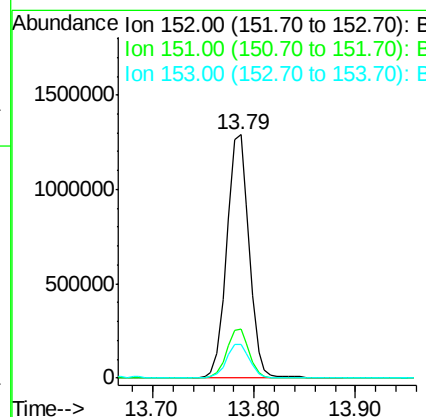
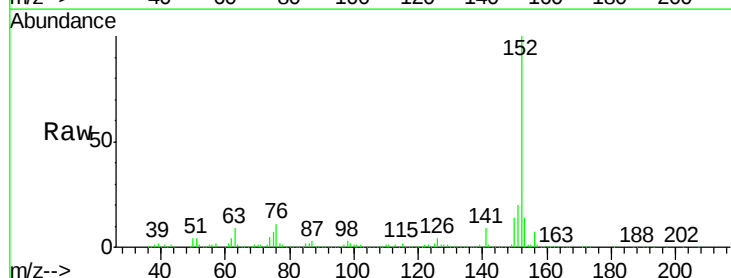
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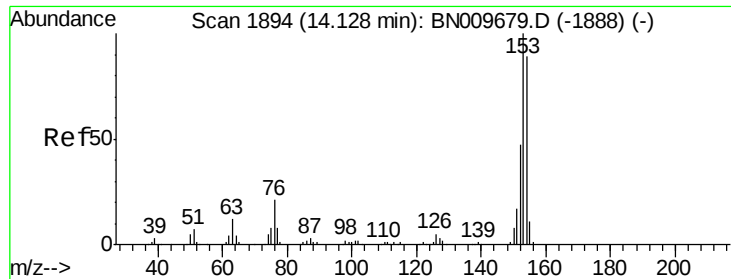
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#47
Acenaphthylene
Concen: 60.733 ng/ul
RT: 13.79 min Scan# 1836
Delta R.T. -0.00 min
Lab File: BN009687.D
Acq: 10 Feb 2020 16:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	14.0	10.6	15.8





#49

Acenaphthene

Concen: 6.790 ng/ul

RT: 14.13 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN009687.D

Acq: 10 Feb 2020 16:12

Instrument :

BNA_N

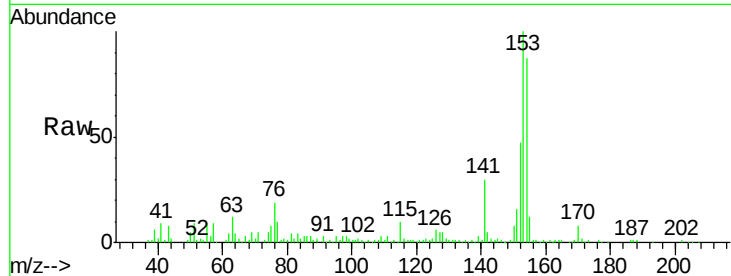
ClientSampled :

GAT66ME

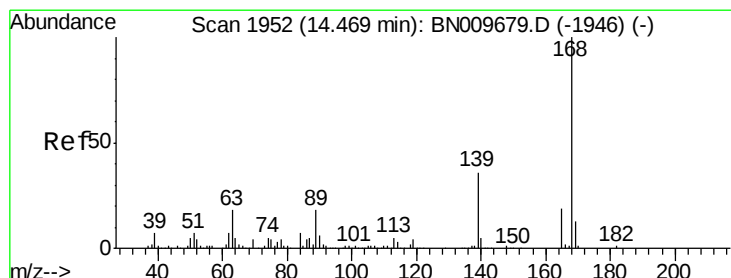
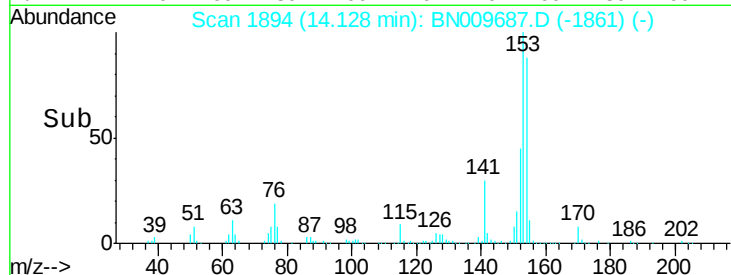
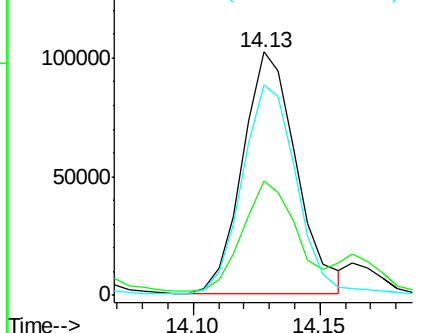
Tot Ion:	153	Resp:	149817
Ion Ratio	Lower	Upper	
153	100		
152	46.9	37.3	55.9
154	86.5	70.2	105.2

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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



#53

Dibenzofuran

Concen: 5.333 ng/ul

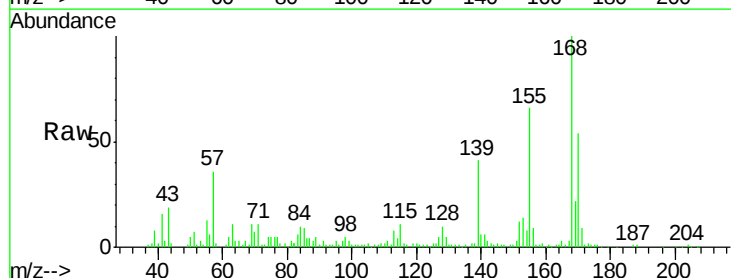
RT: 14.47 min Scan# 1952

Delta R.T. -0.01 min

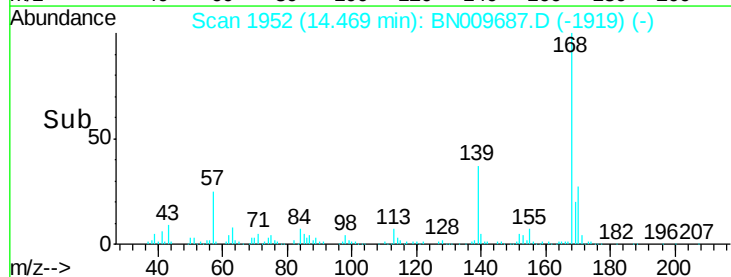
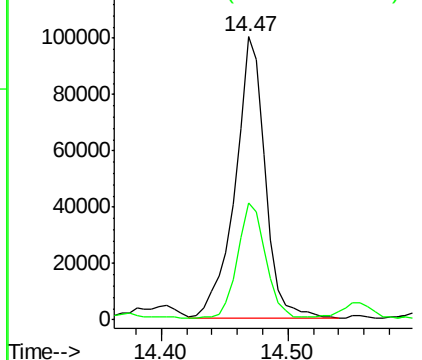
Lab File: BN009687.D

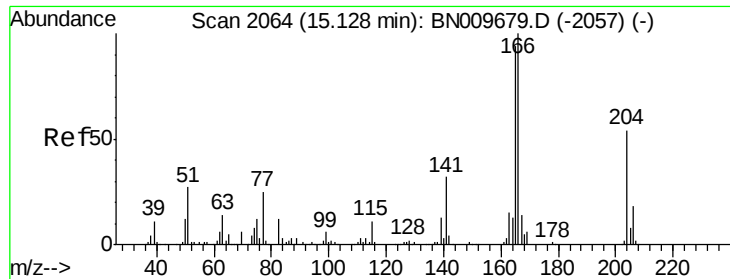
Acq: 10 Feb 2020 16:12

Tgt Ion:	168	Resp:	163854
Ion Ratio	Lower	Upper	
168	100		
139	41.2	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: 40.373 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. -0.01 min

Lab File: BN009687.D

Acq: 10 Feb 2020 16:12

Instrument :

BNA_N

ClientSampleId :

GAT66ME

Tot Ion:166 Resp: 1036652

Ion Ratio Lower Upper

166 100

165 99.1 76.7 115.1

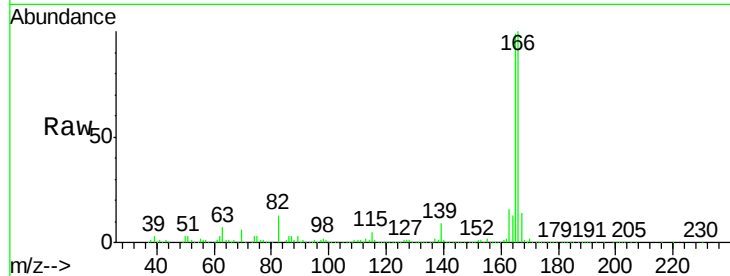
167 14.2 11.1 16.7

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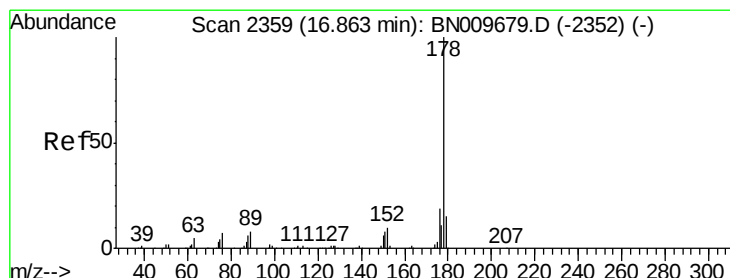
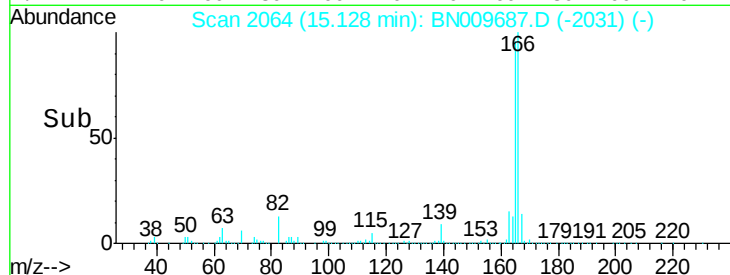
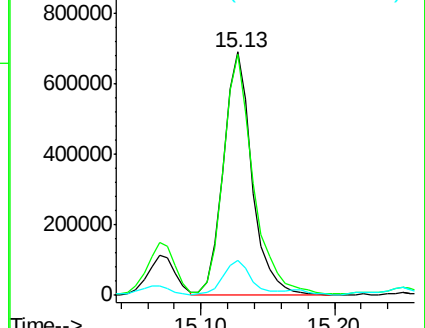
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 110.720 ng/ul

RT: 16.87 min Scan# 2360

Delta R.T. -0.00 min

Lab File: BN009687.D

Acq: 10 Feb 2020 16:12

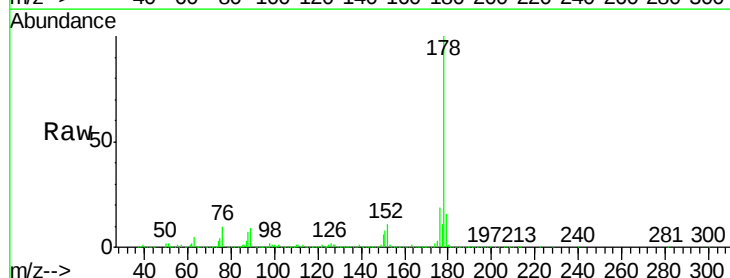
Tgt Ion:178 Resp: 4384371

Ion Ratio Lower Upper

178 100

179 16.2 12.2 18.2

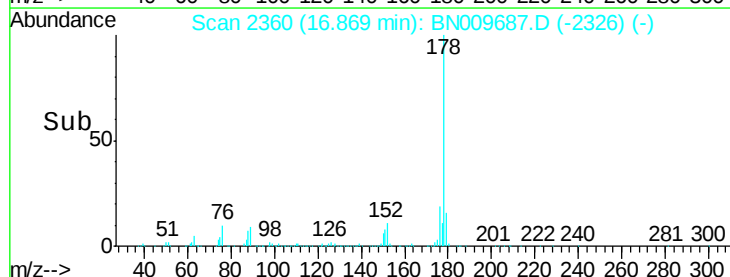
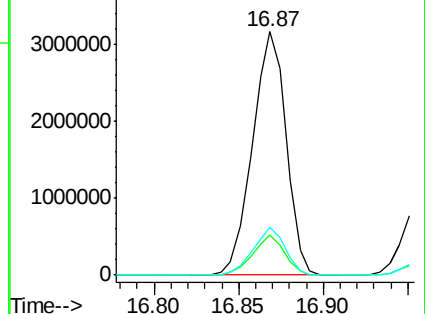
176 19.4 14.8 22.2

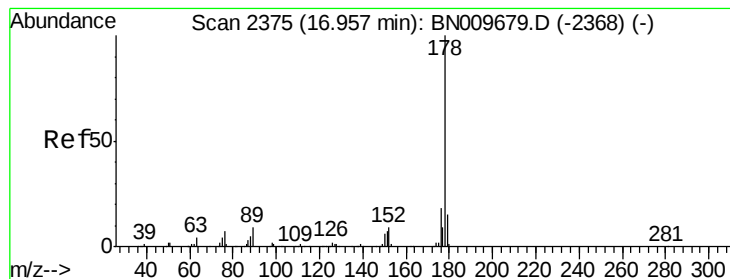


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 27.775 ng/ul

RT: 16.96 min Scan# 2375

Delta R.T. -0.01 min

Lab File: BN009687.D

Acq: 10 Feb 2020 16:12

Instrument :

BNA_N

ClientSampleId :

GAT66ME

Tot Ion:178 Resp: 1115960

Ion Ratio Lower Upper

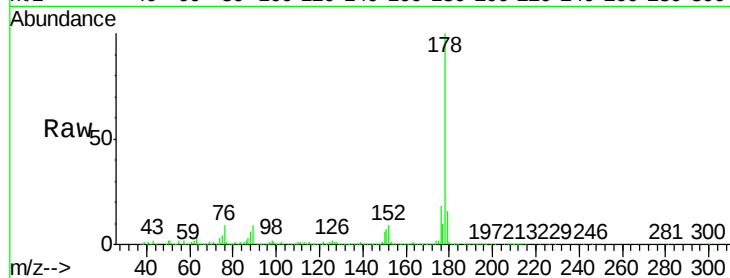
178 100

179 15.8 12.1 18.1

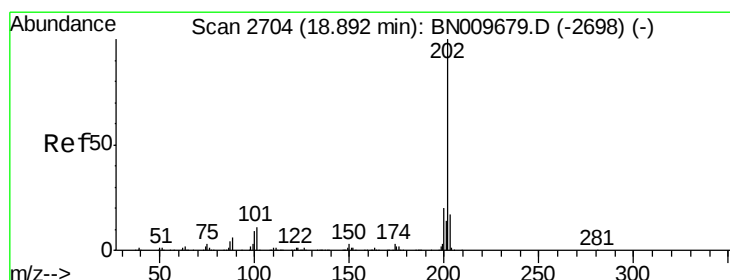
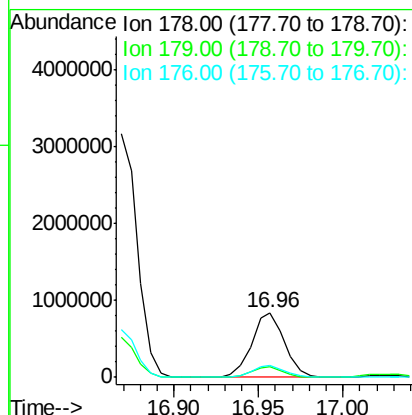
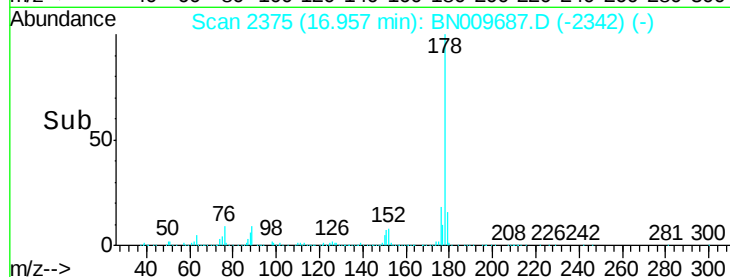
176 18.3 14.6 21.8

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#76

Fluoranthene

Concen: 42.337 ng/ul

RT: 18.90 min Scan# 2705

Delta R.T. -0.00 min

Lab File: BN009687.D

Acq: 10 Feb 2020 16:12

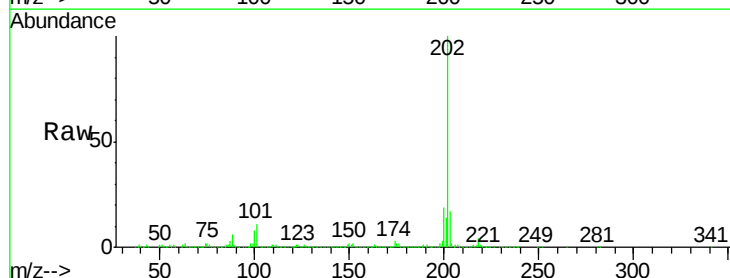
Tgt Ion:202 Resp: 1913429

Ion Ratio Lower Upper

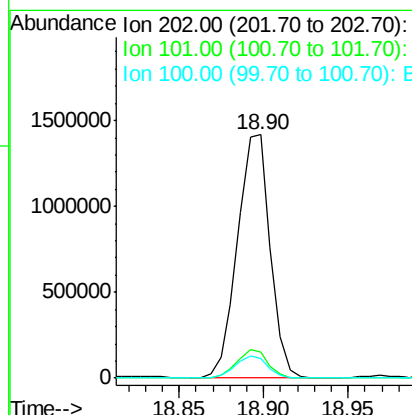
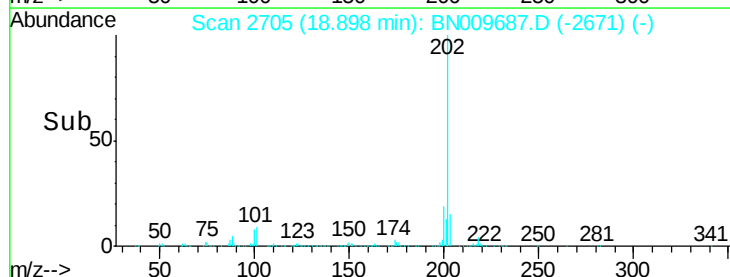
202 100

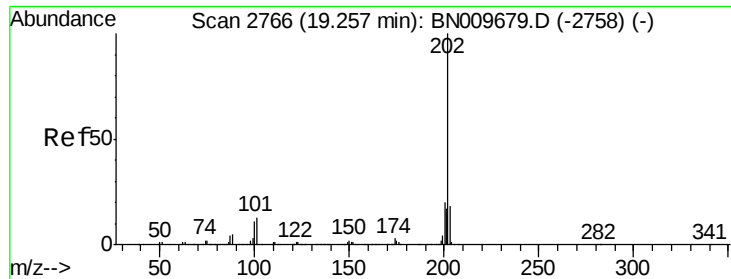
101 10.6 9.2 13.8

100 8.1 6.9 10.3



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





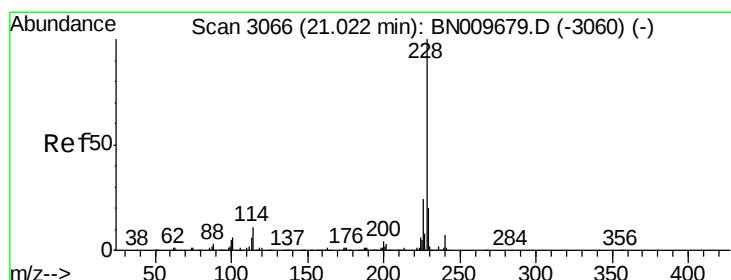
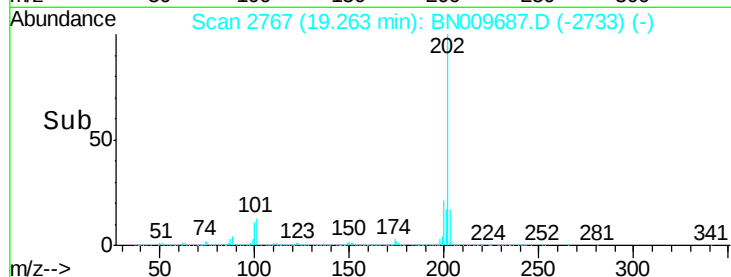
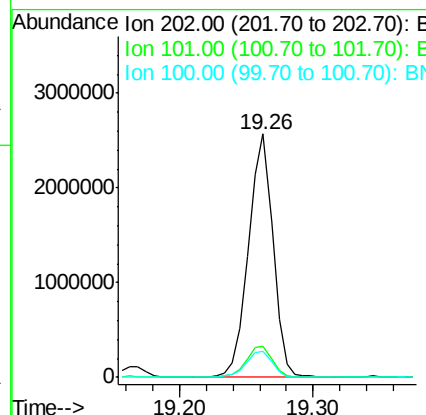
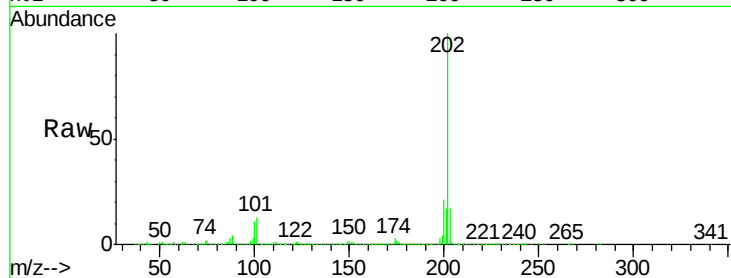
#79
Pvrene
Concen: 66.448 ng/ul
RT: 19.26 min Scan# 2767
Delta R.T. -0.00 min
Lab File: BN009687.D
Acq: 10 Feb 2020 16:12

Instrument :
BNA_N
ClientSampleId :
GAT66ME

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.8	10.3	15.5
100	10.7	8.4	12.6

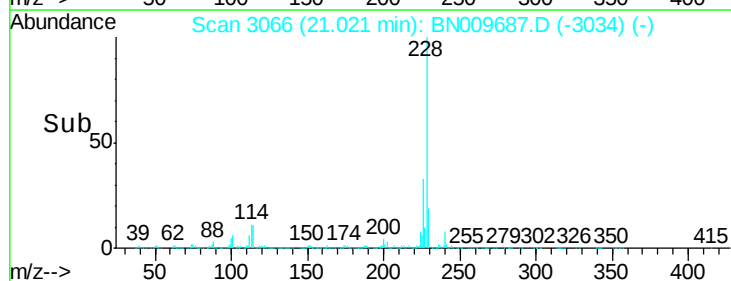
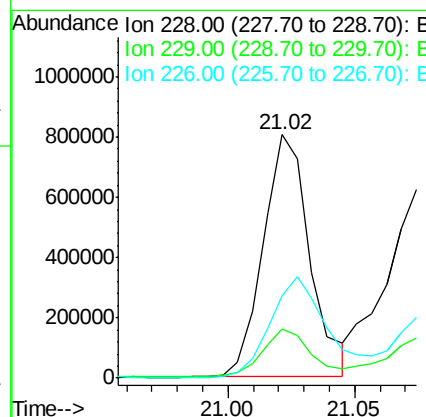
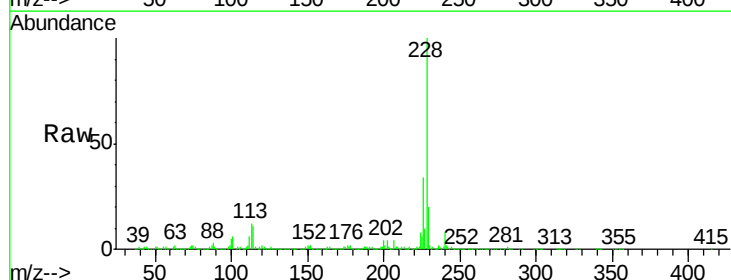
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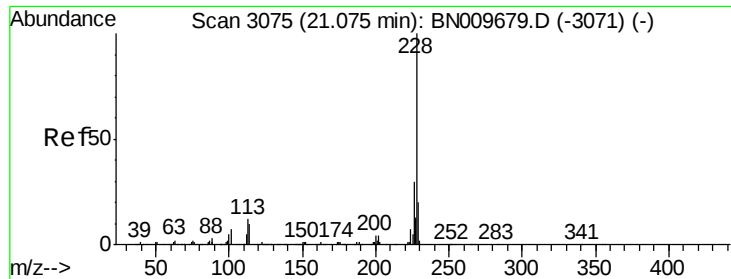
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#82
Benzo(a)anthracene
Concen: 22.629 ng/ul
RT: 21.02 min Scan# 3066
Delta R.T. -0.01 min
Lab File: BN009687.D
Acq: 10 Feb 2020 16:12

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.0	22.4
226	33.9	20.9	31.3#





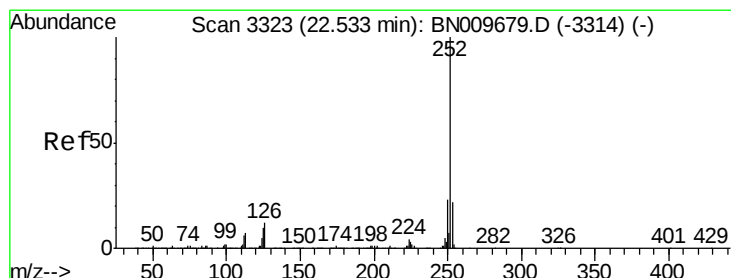
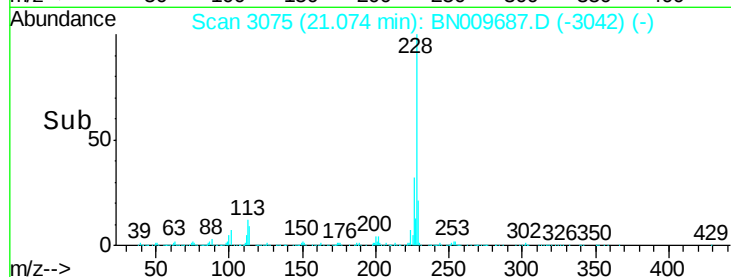
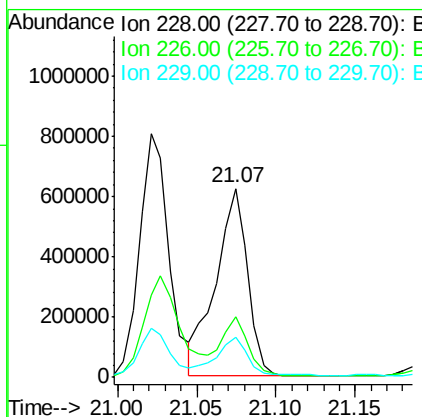
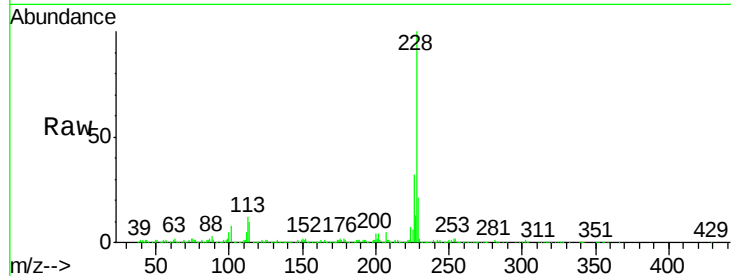
#84
Chrysene
Concen: 19.074 ng/ul
RT: 21.07 min Scan# 3075
Delta R.T. -0.01 min
Lab File: BN009687.D
Acq: 10 Feb 2020 16:12

Instrument :
BNA_N
ClientSampleId :
GAT66ME

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.5	35.3
229	21.4	15.8	23.8

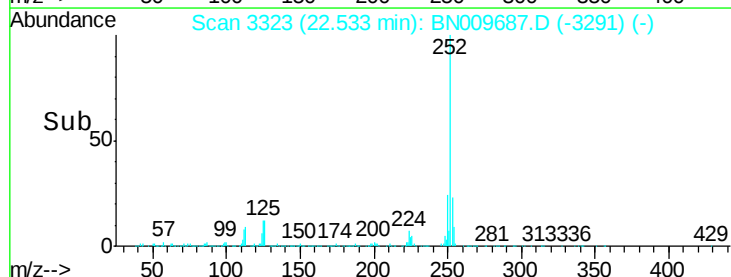
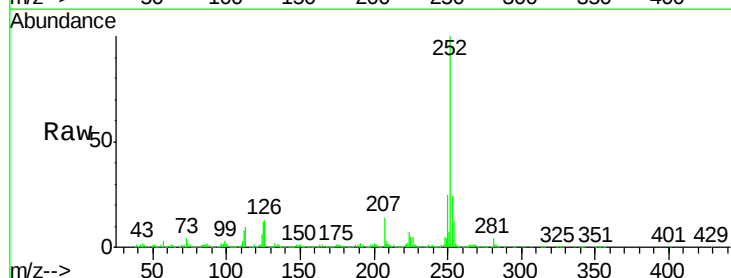
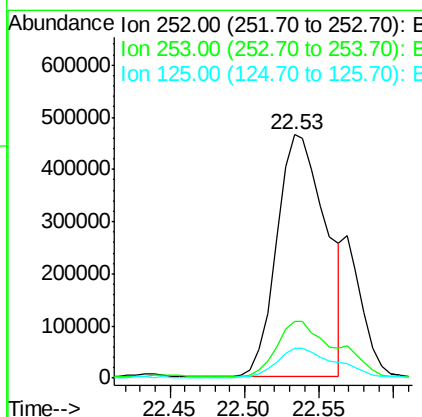
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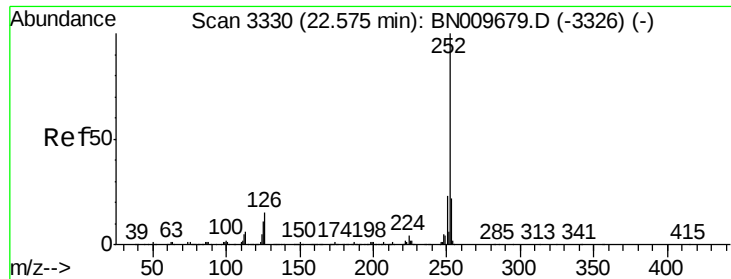
mohammad
2/12/2020 9:51:23 AM



#87
Benzo(b)fluoranthene
Concen: 25.358 ng/ul
RT: 22.53 min Scan# 3323
Delta R.T. -0.01 min
Lab File: BN009687.D
Acq: 10 Feb 2020 16:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	12.1	8.2	12.2





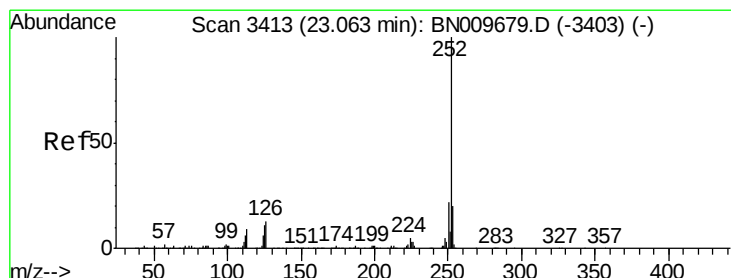
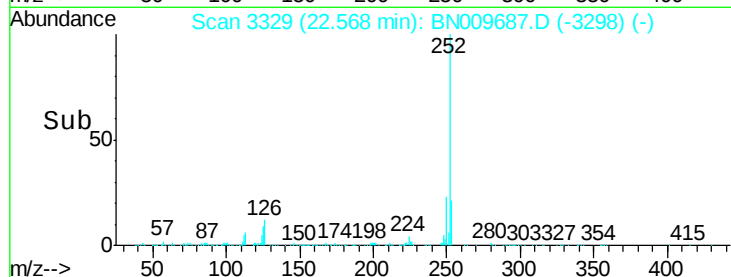
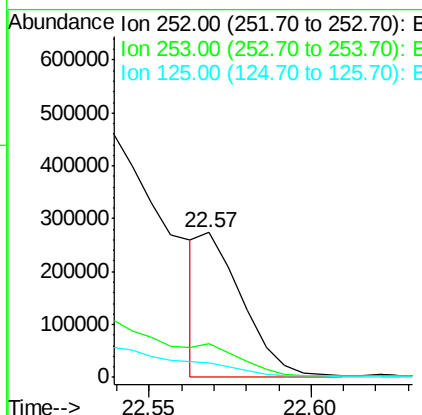
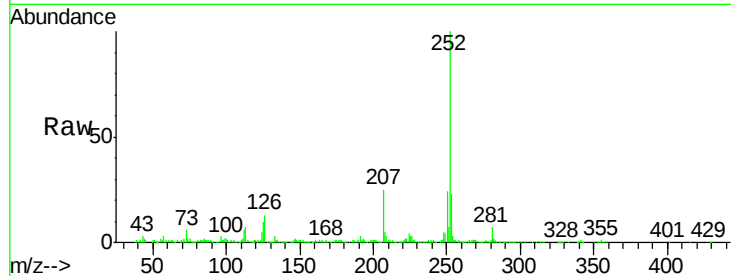
#88
Benzo(k)fluoranthene
Concen: 6.010 ng/ul m
RT: 22.57 min Scan# 3329
Delta R.T. -0.02 min
Lab File: BN009687.D
Acq: 10 Feb 2020 16:12

Instrument :
BNA_N
ClientSampleId :
GAT66ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.4
125	9.9	8.0	12.0

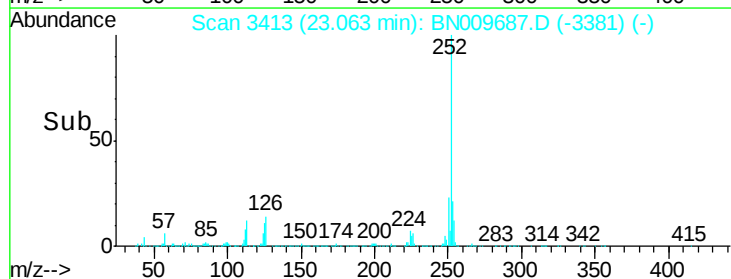
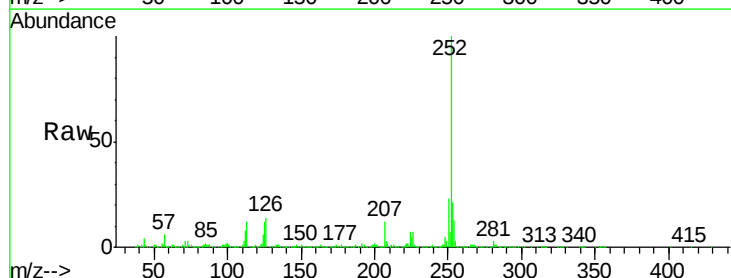
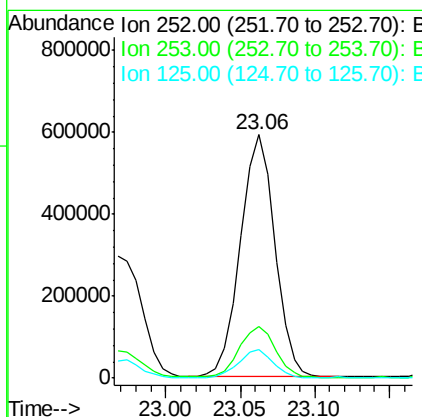
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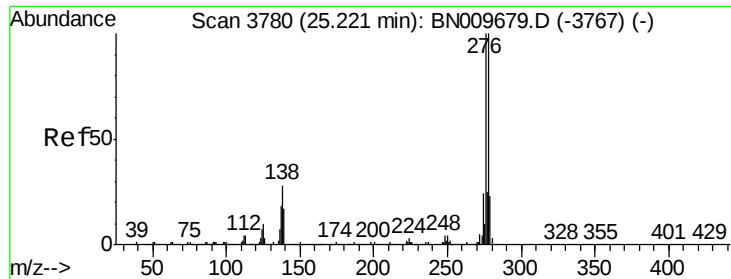
mohammad
2/12/2020 9:51:23 AM



#90
Benzo(a)pyrene
Concen: 24.386 ng/ul
RT: 23.06 min Scan# 3413
Delta R.T. -0.01 min
Lab File: BN009687.D
Acq: 10 Feb 2020 16:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	15.8	23.8
125	11.6	8.7	13.1





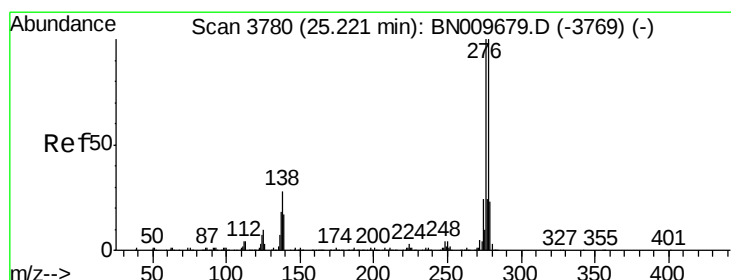
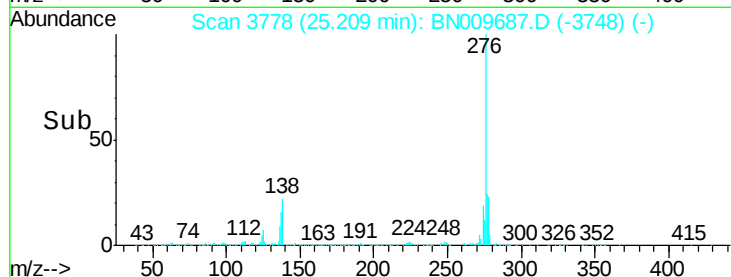
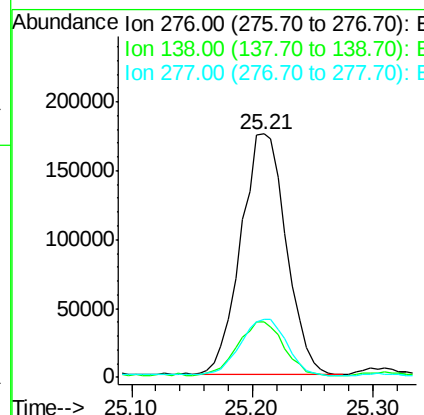
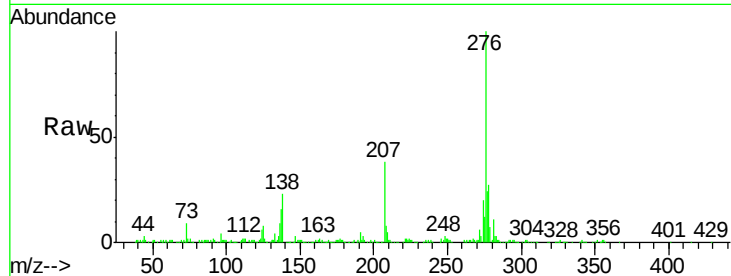
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 9.762 ng/ul
 RT: 25.21 min Scan# 3778
 Delta R.T. -0.02 min
 Lab File: BN009687.D
 Acq: 10 Feb 2020 16:12

Instrument :
 BNA_N
 ClientSampleId :
 GAT66ME

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	20.3	30.5
277	24.0	21.2	31.8

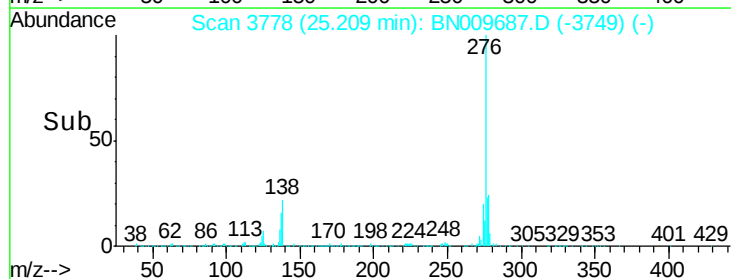
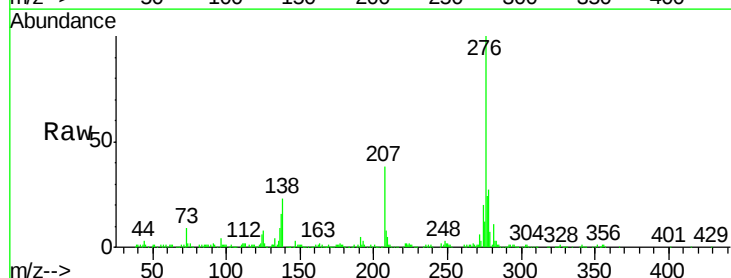
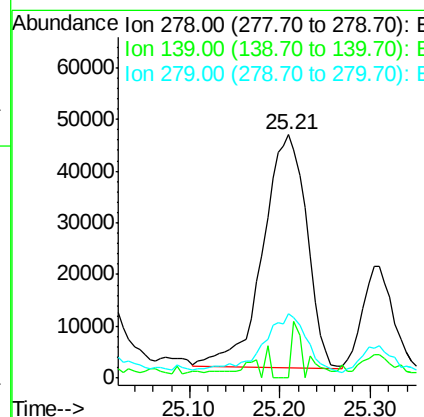
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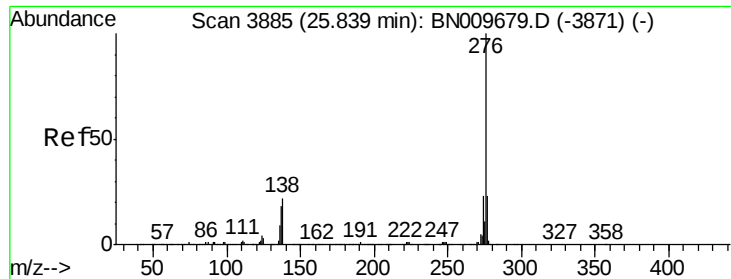
mohammad
 2/12/2020 9:51:23 AM



#92
 Dibenzo(a,h)anthracene
 Concen: 3.864 ng/ul
 RT: 25.21 min Scan# 3778
 Delta R.T. -0.03 min
 Lab File: BN009687.D
 Acq: 10 Feb 2020 16:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	26.4	19.8	29.8





#93

Benzo(a,h,i)perylene

Concen: 9.522 ng/ul

RT: 25.83 min Scan# 3884

Delta R.T. -0.02 min

Lab File: BN009687.D

Acq: 10 Feb 2020 16:12

Instrument :

BNA_N

ClientSampleId :

GAT66ME

Tot Ion:	276	Resp:	370751
Ion Ratio	Lower	Upper	
276	100		
138	23.8	16.0	24.0
277	24.0	17.0	25.6

Manual Integrations
APPROVED

mohammad
2/12/2020 9:51:23 AM

