

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
 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

Manual Integrations
 APPROVED

mohammad
 2/12/2020 9:51:14 AM

Quant Time: Feb 11 10:05:49 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

					Ovalue
14) Acetophenone	8.25	105	45380	3.159	ng/ul 96
28) Naphthalene	10.25	128	22949681m	804.667	ng/ul
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
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
58) Fluorene	15.13	166	3869613	154.914	ng/ul 98
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	18.90	202	8455653m	195.480	ng/ul
79) Pyrene	19.27	202	10725240	218.195	ng/ul 95
82) Benzo(a)anthracene	21.03	228	4240584m	91.213	ng/ul
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	22.57	252	8111111m	18.816	ng/ul
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) Dibenz(a,h)anthracene	25.22	278	442295m	10.898	ng/ul
93) Benzo(a,h,i)perylene	25.85	276	1098877	27.193	ng/ul 98

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

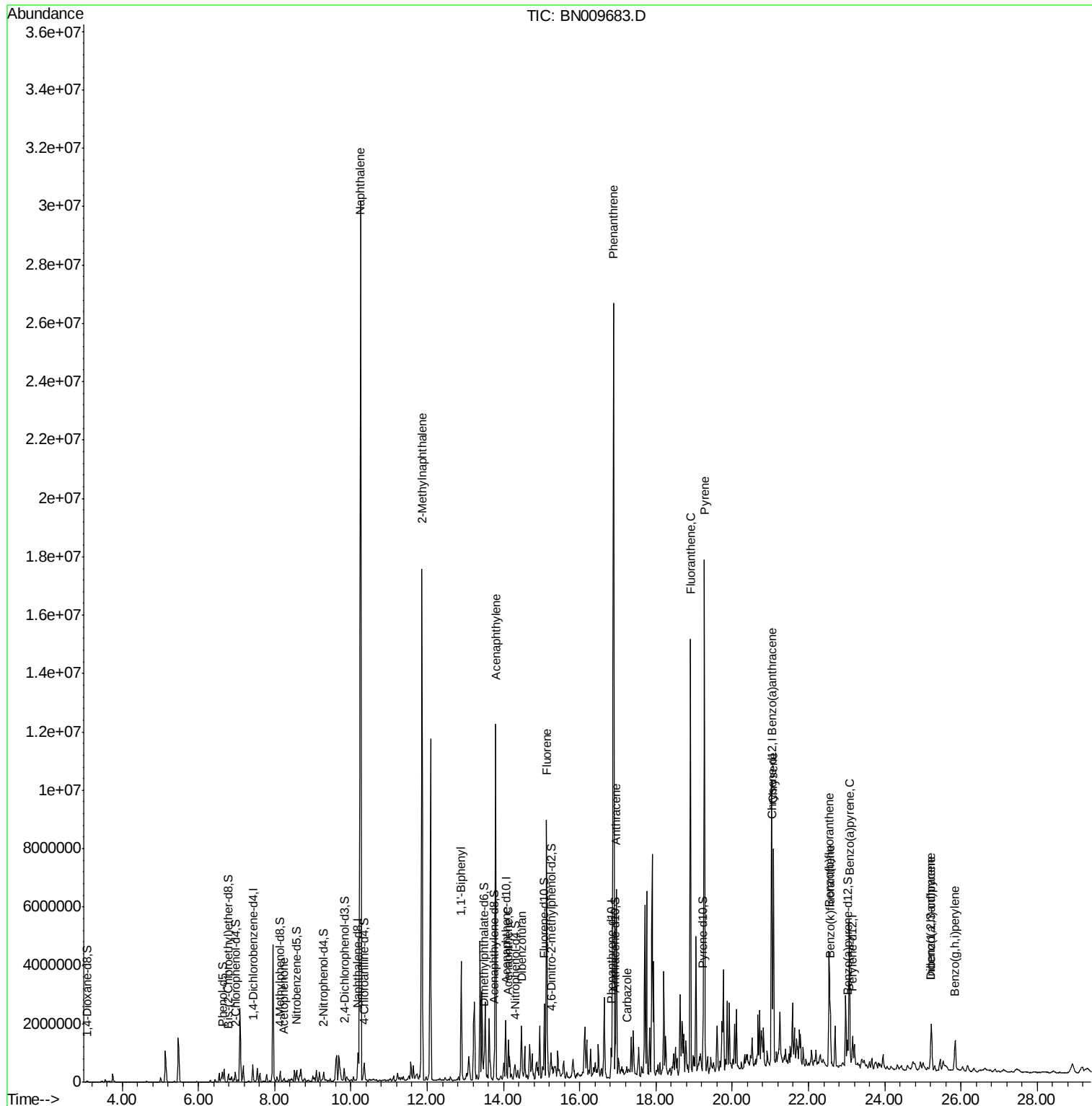
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
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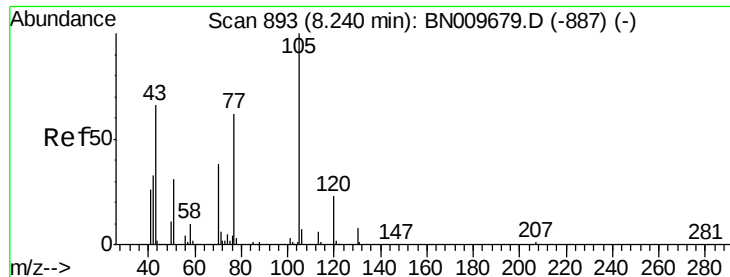
Instrument :
BNA_N
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#14

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

Instrument :

BNA_N

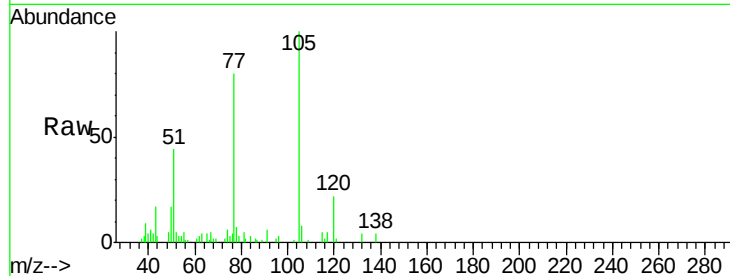
ClientSampleId :

GAT61ME

Tot Ion:	105	Resp:	45380
Ion Ratio	Lower	Upper	
105	100		
77	80.1	67.7	101.5
51	44.4	34.3	51.5

Manual Integrations
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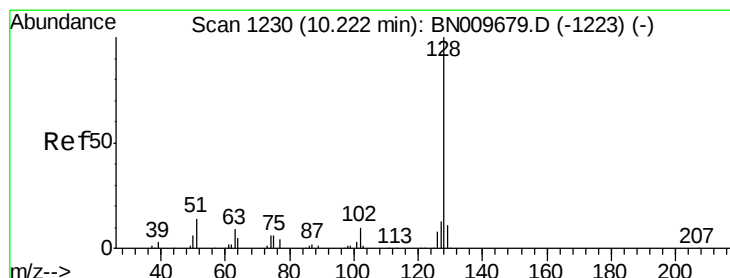
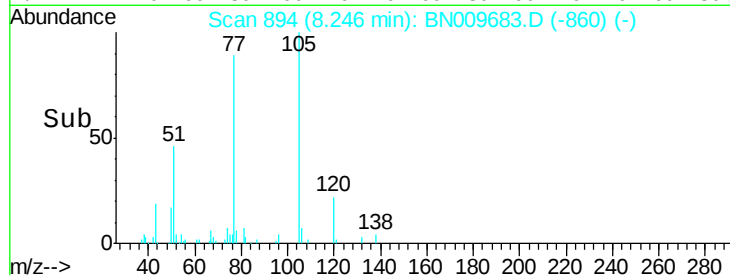
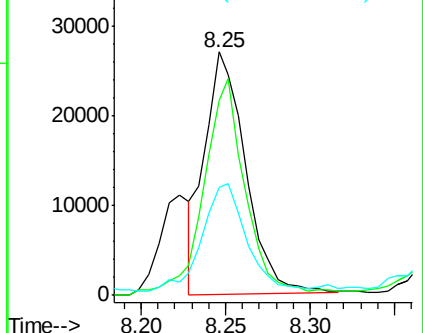
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Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNO

Ion 51.00 (50.70 to 51.70): BNO



#28

Naphthalene

Concen: 804.667 ng/ul m

RT: 10.25 min Scan# 1234

Delta R.T. 0.01 min

Lab File: BN009683.D

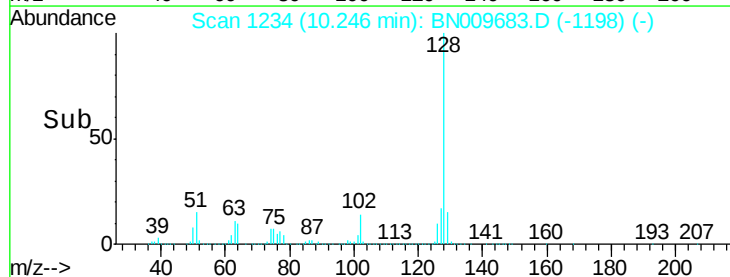
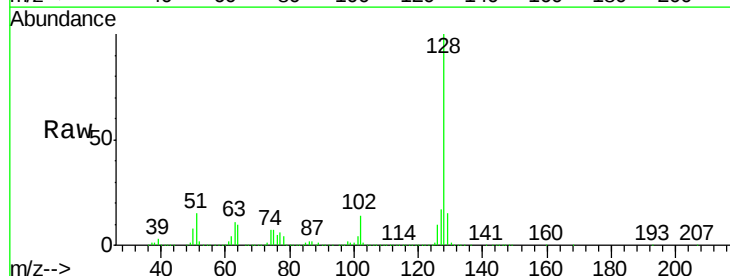
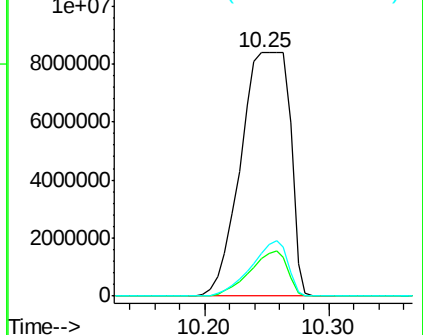
Acq: 10 Feb 2020 13:12

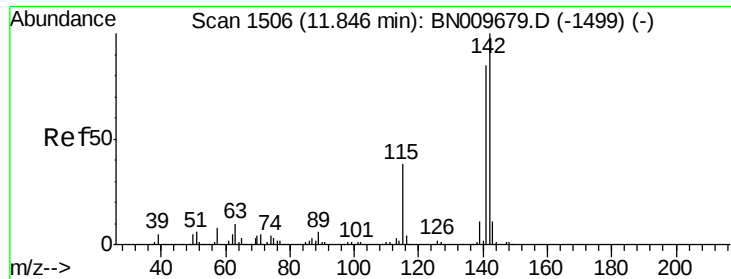
Tgt Ion:	128	Resp:	22949681
Ion Ratio	Lower	Upper	
128	100		
129	15.2	8.7	13.1#
127	17.4	10.7	16.1#

Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





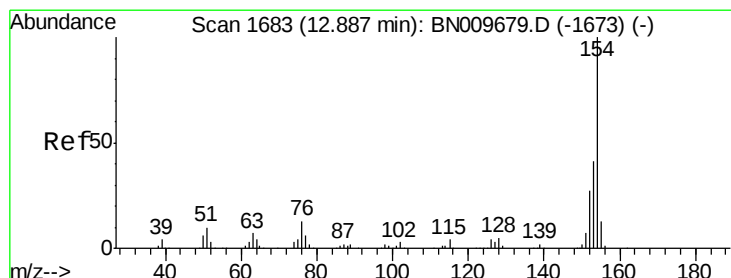
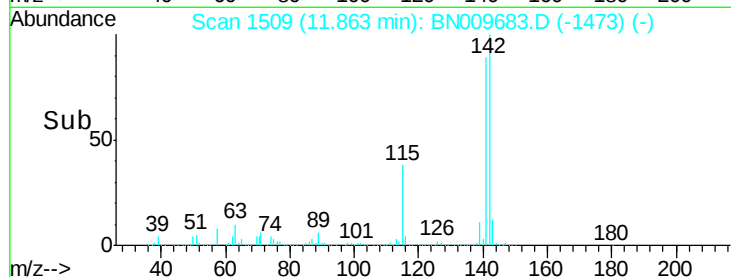
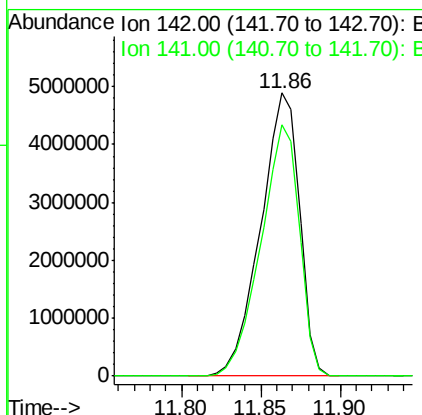
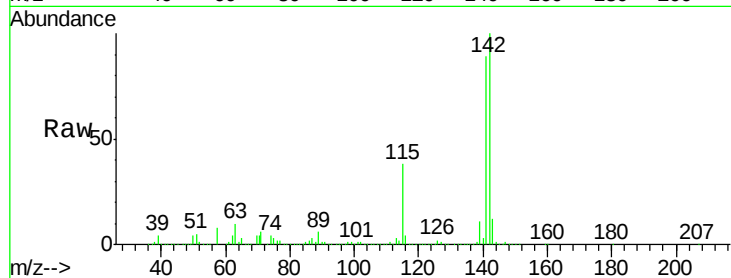
#34
 2-Methylnaphthalene
 Concen: 418.677 ng/ul
 RT: 11.86 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: BN009683.D
 Acq: 10 Feb 2020 13:12

Instrument :
 BNA_N
 ClientSampleId :
 GAT61ME

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

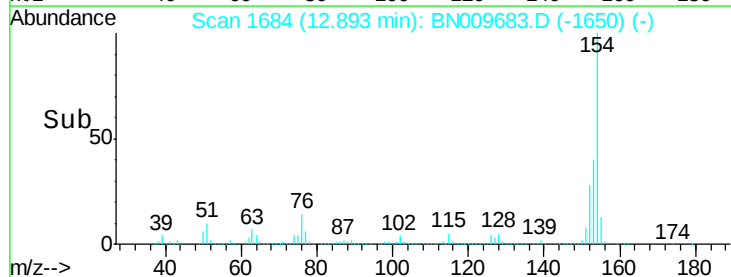
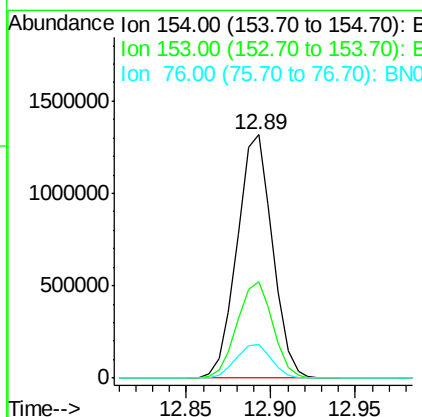
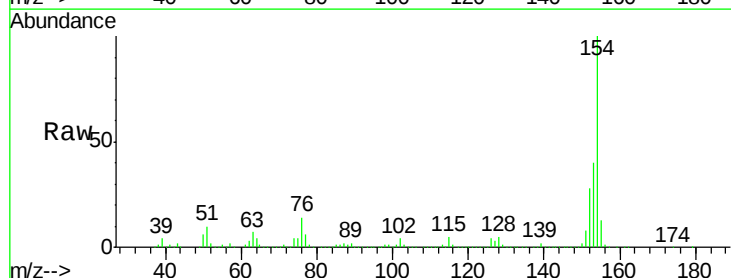
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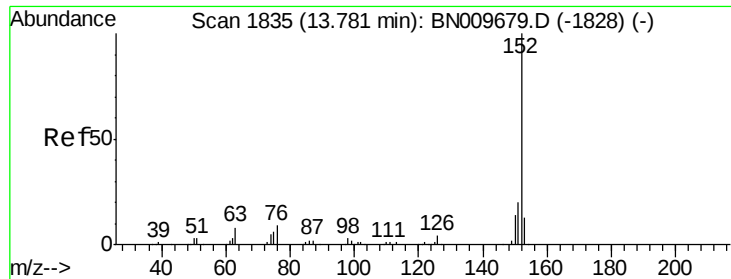
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#40
 1,1'-Biphenyl
 Concen: 75.209 ng/ul
 RT: 12.89 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: BN009683.D
 Acq: 10 Feb 2020 13:12

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





#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

Instrument :

BNA_N

ClientSampleId :

GAT61ME

Tot Ion:152 Resp: 7421121

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

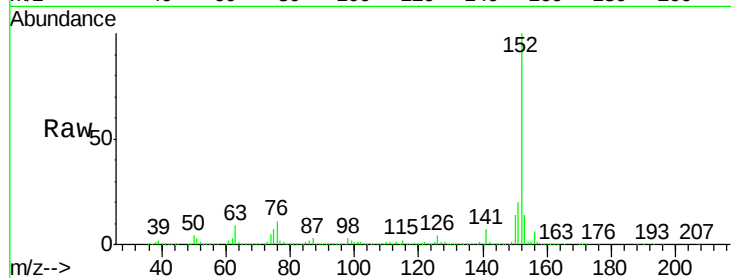
153 14.3 10.6 15.8

Manual Integrations

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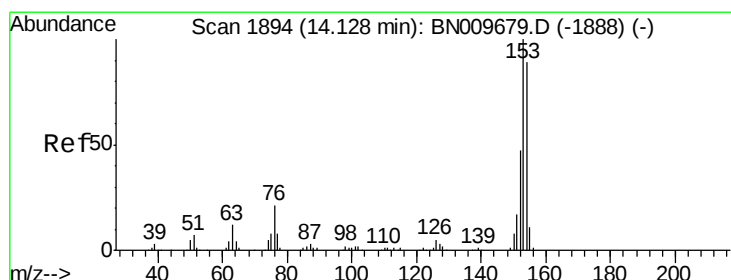
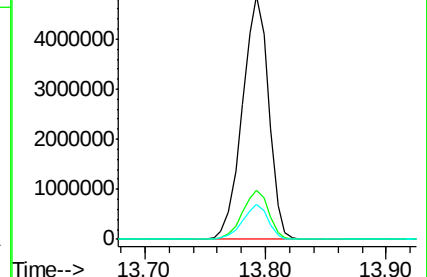
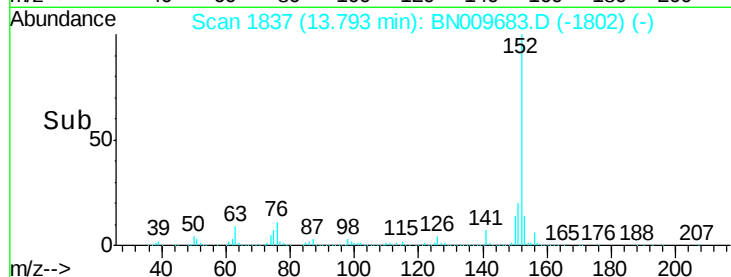
2/12/2020 9:51:14 AM



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

Acq: 10 Feb 2020 13:12

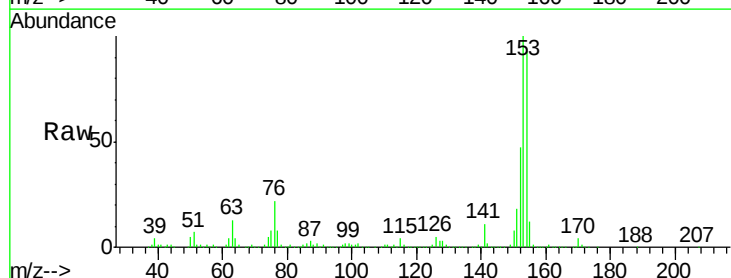
Tgt Ion:153 Resp: 493693

Ion Ratio Lower Upper

153 100

152 47.4 37.3 55.9

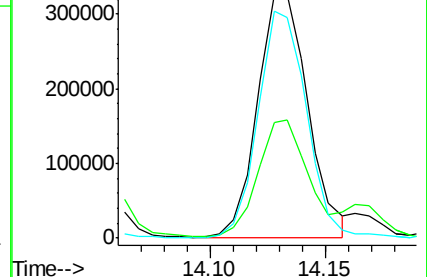
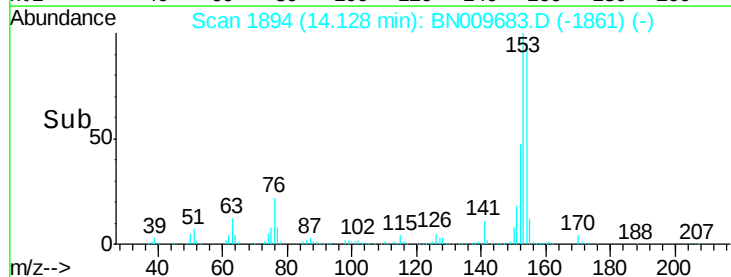
154 93.0 70.2 105.2

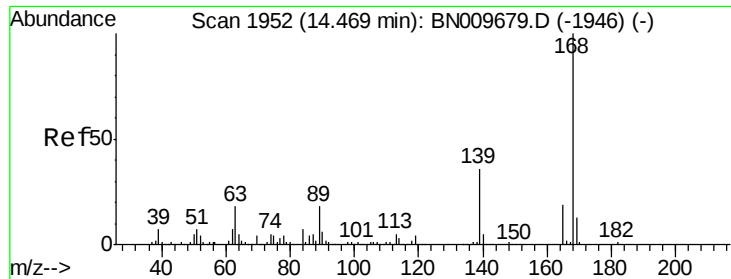


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





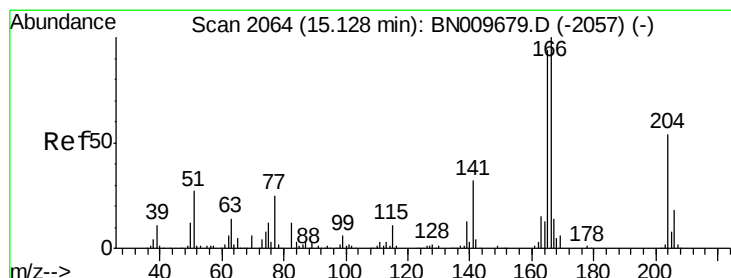
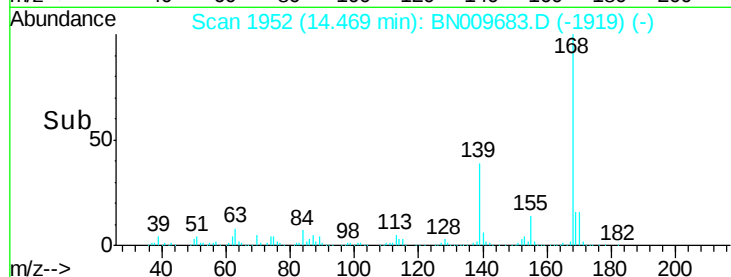
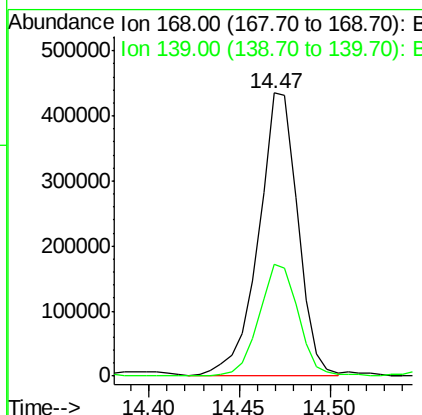
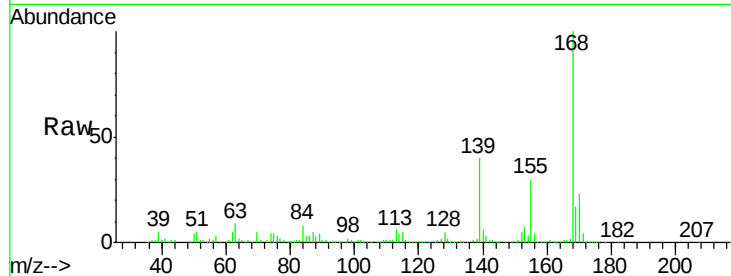
#53
Dibenzenofuran
Concen: 21.862 ng/ul
RT: 14.47 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BN009683.D
Acq: 10 Feb 2020 13:12

Instrument :
BNA_N
ClientSampled :
GAT61ME

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.7	29.5	44.3

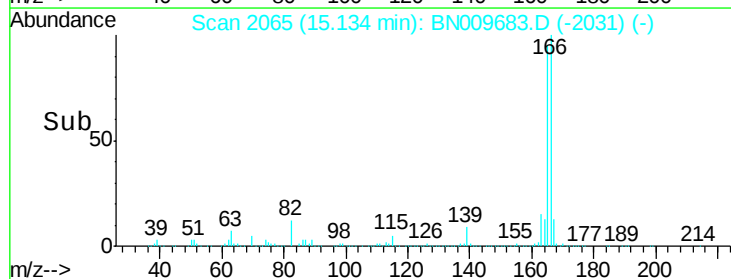
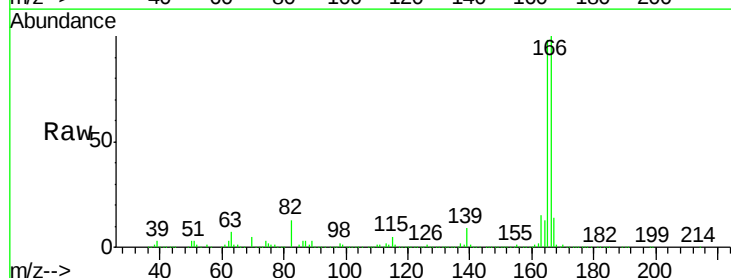
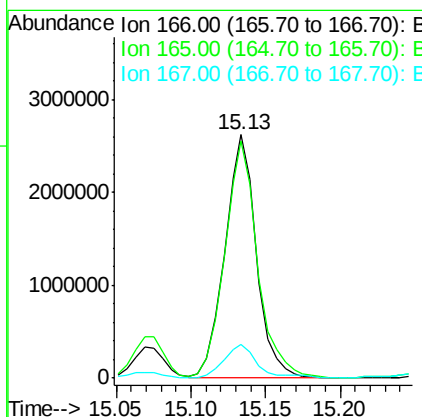
Manual Integrations
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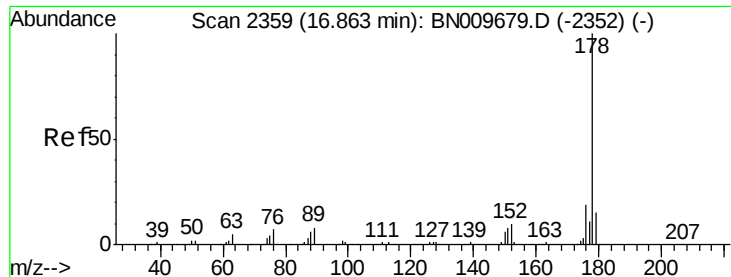
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#58
Fluorene
Concen: 154.914 ng/ul
RT: 15.13 min Scan# 2065
Delta R.T. 0.00 min
Lab File: BN009683.D
Acq: 10 Feb 2020 13:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	76.7	115.1
167	13.6	11.1	16.7





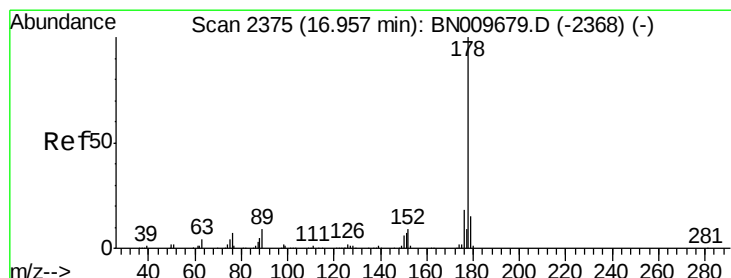
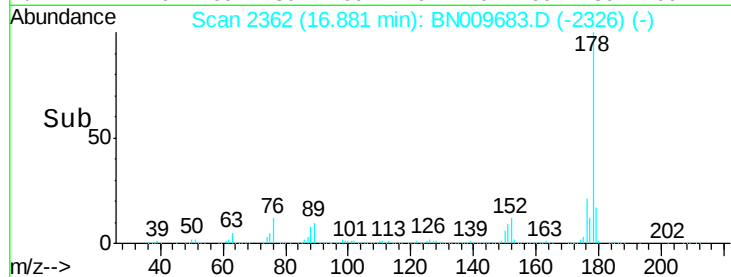
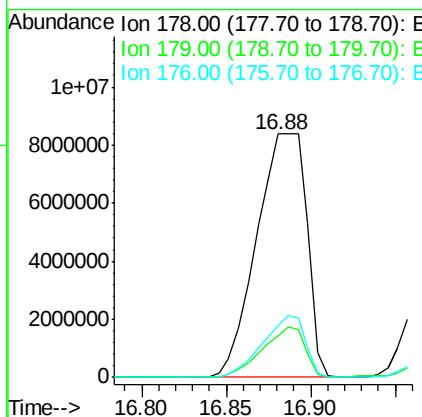
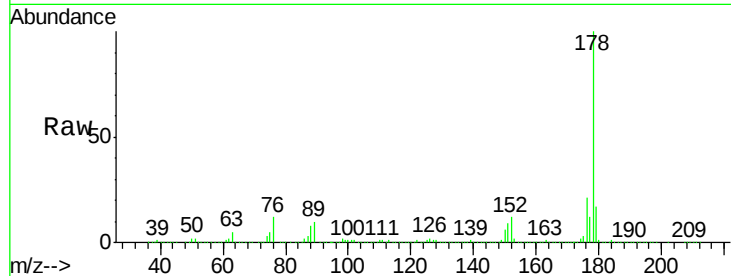
#69
Phenanthrene
Concen: 458.211 ng/ul
RT: 16.88 min Scan# 2362
Delta R.T. 0.01 min
Lab File: BN009683.D
Acq: 10 Feb 2020 13:12

Instrument :
BNA_N
ClientSampled :
GAT61ME

Tot Ion:178 Resp:17366138
Ion Ratio Lower Upper
178 100
179 17.1 12.2 18.2
176 21.1 14.8 22.2

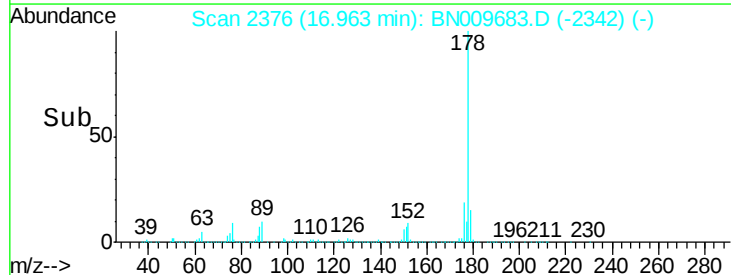
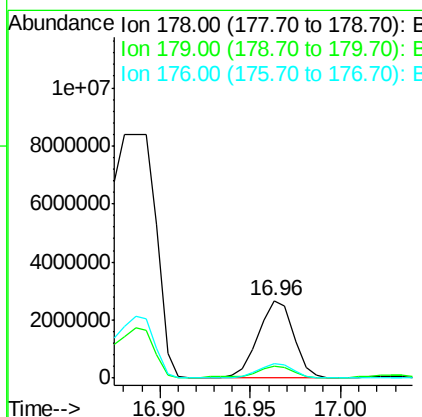
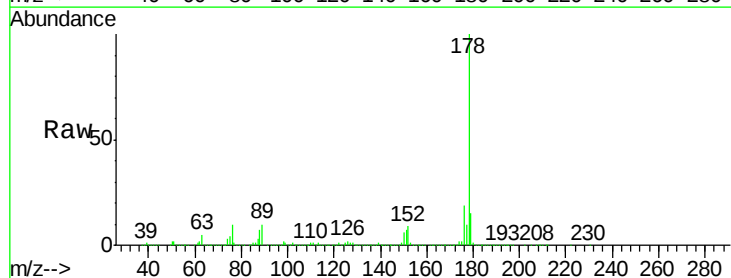
Manual Integrations
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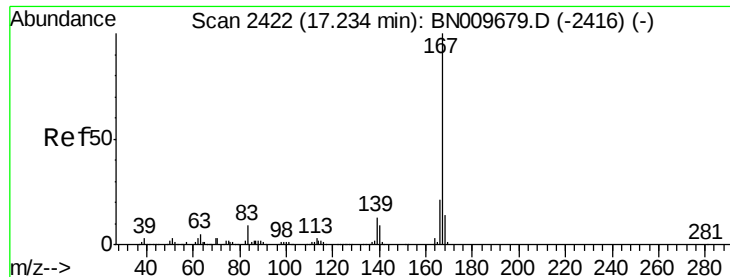
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#71
Anthracene
Concen: 94.216 ng/ul
RT: 16.96 min Scan# 2376
Delta R.T. 0.00 min
Lab File: BN009683.D
Acq: 10 Feb 2020 13:12

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





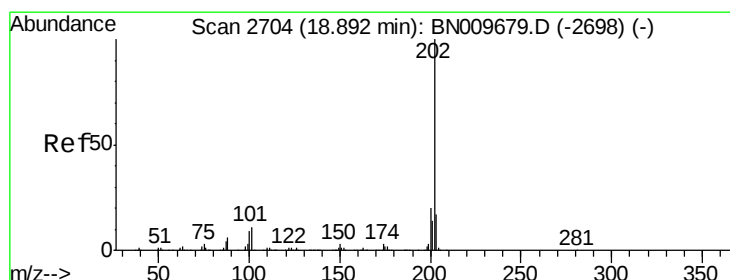
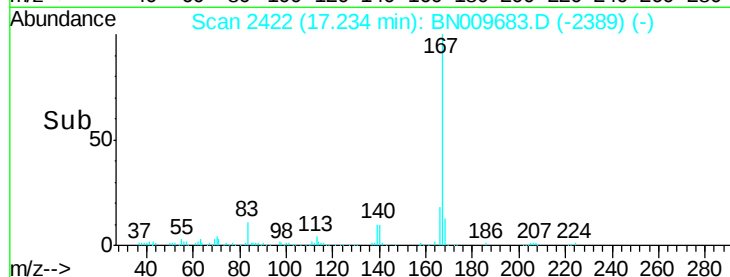
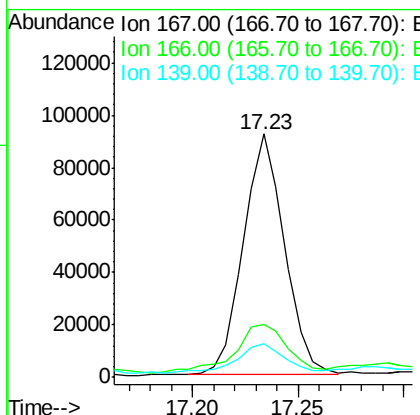
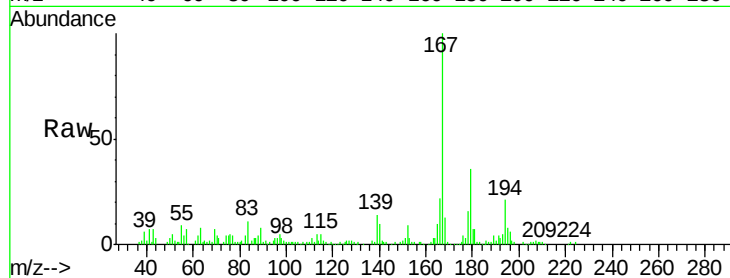
#74
 Carbazole
 Concen: 3.705 ng/ul
 RT: 17.23 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BN009683.D
 Acq: 10 Feb 2020 13:12

Instrument :
 BNA_N
 ClientSampleId :
 GAT61ME

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100				
166	21.6	16.2	24.4		
139	13.6	10.4	15.6		

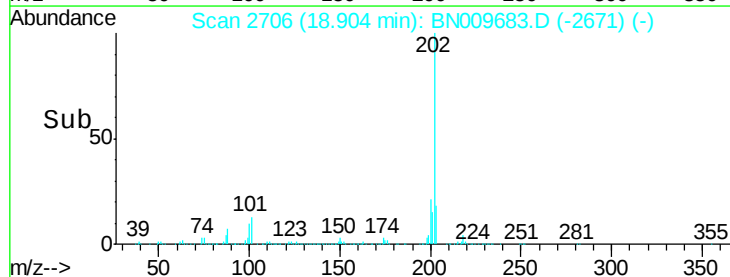
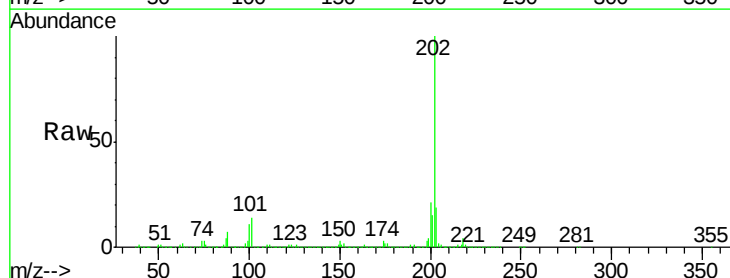
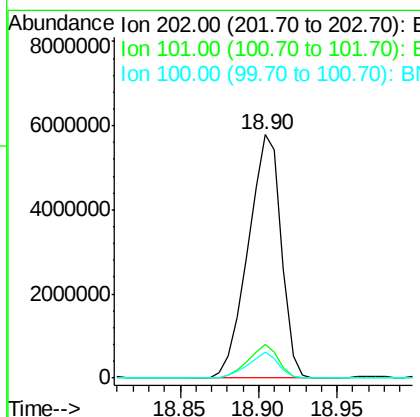
Manual Integrations
 APPROVED

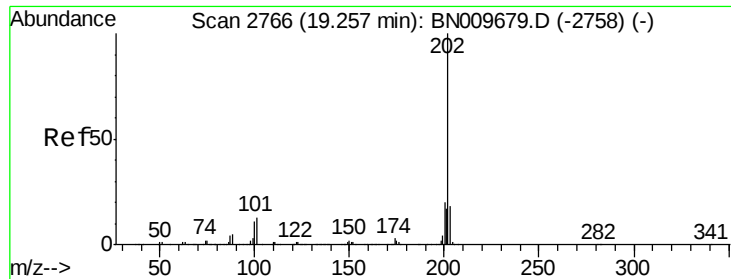
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#76
 Fluoranthene
 Concen: 195.480 ng/ul m
 RT: 18.90 min Scan# 2706
 Delta R.T. 0.01 min
 Lab File: BN009683.D
 Acq: 10 Feb 2020 13:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	13.6	9.2	13.8		
100	10.5	6.9	10.3#		





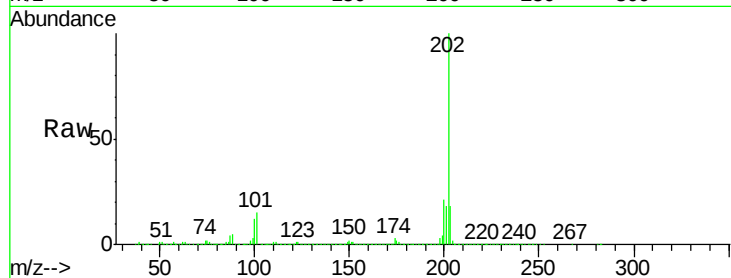
#79
Pvrene
Concen: 218.195 ng/ul
RT: 19.27 min Scan# 2769
Delta R.T. 0.01 min
Lab File: BN009683.D
Acq: 10 Feb 2020 13:12

Instrument :
BNA_N
ClientSampleId :
GAT61ME

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.0	10.3	15.5
100	12.5	8.4	12.6

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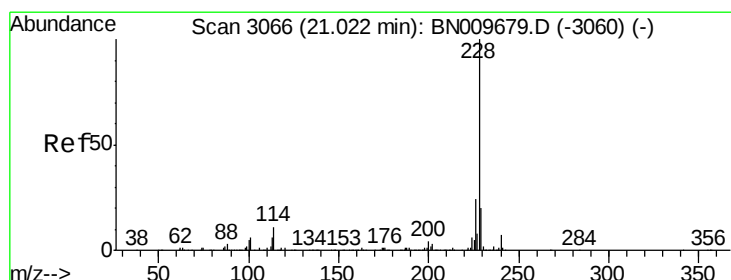
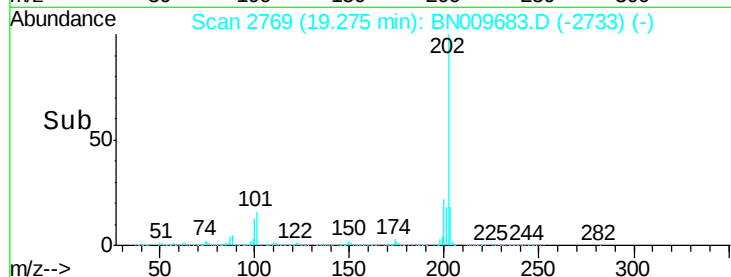
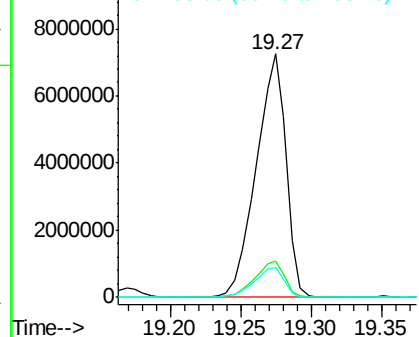


Abundance

Ion 202.00 (201.70 to 202.70): E

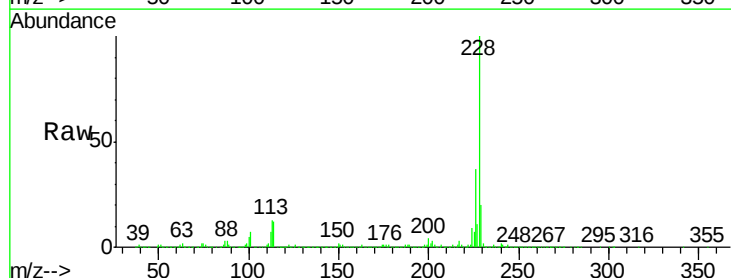
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#82
Benzo(a)anthracene
Concen: 91.213 ng/ul m
RT: 21.03 min Scan# 3067
Delta R.T. -0.01 min
Lab File: BN009683.D
Acq: 10 Feb 2020 13:12

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.0	22.4
226	37.5	20.9	31.3#

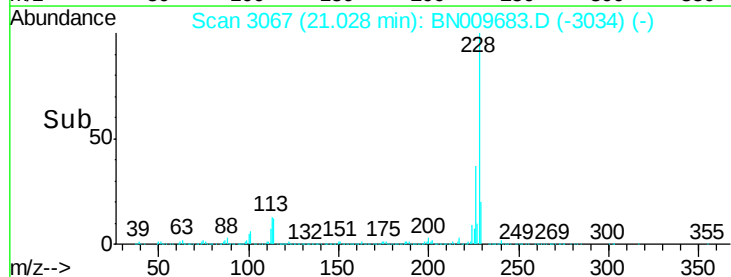
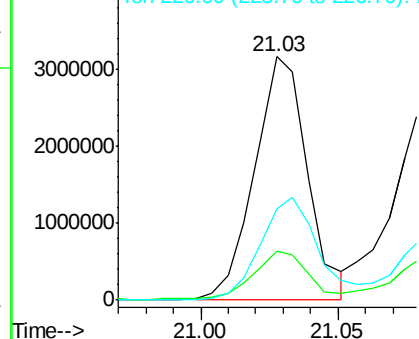


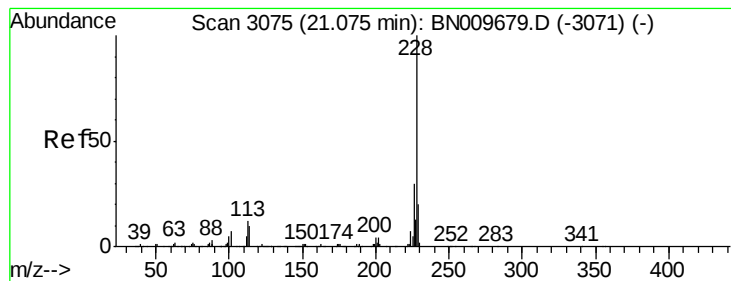
Abundance

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: 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

Tot Ion:228 Resp: 3569814

Ion Ratio Lower Upper

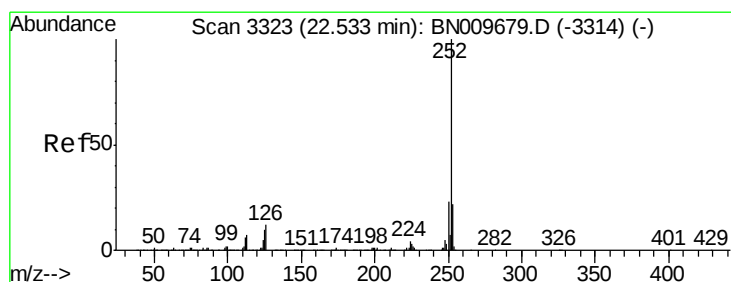
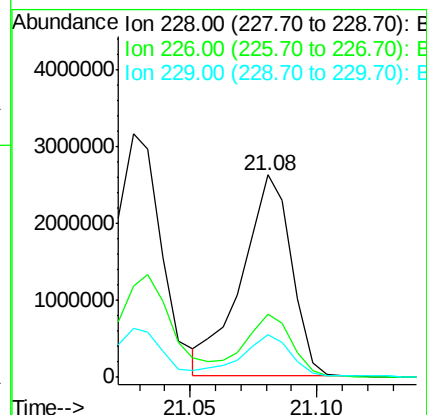
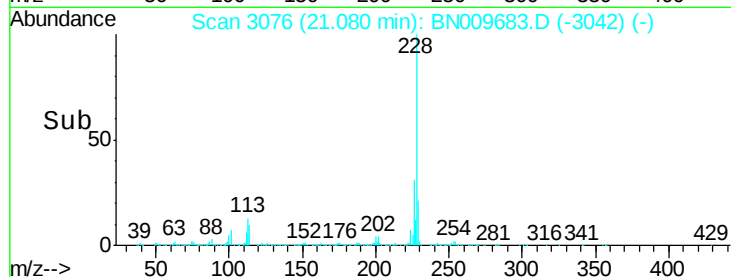
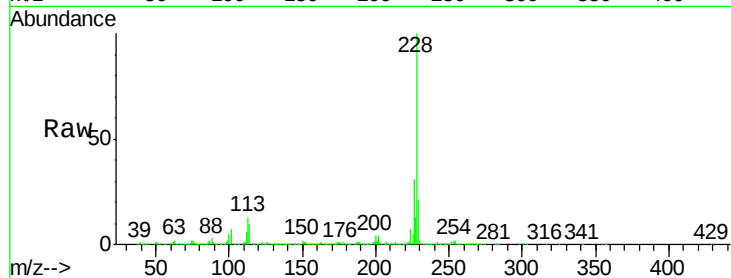
228 100

226 31.2 23.5 35.3

229 21.1 15.8 23.8

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#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

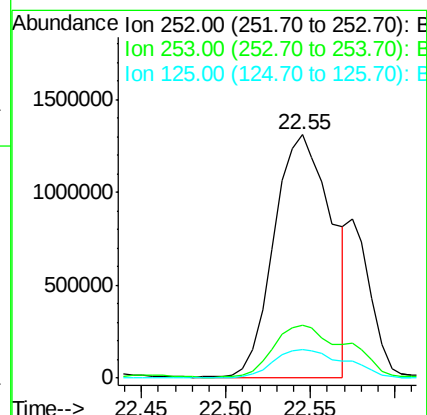
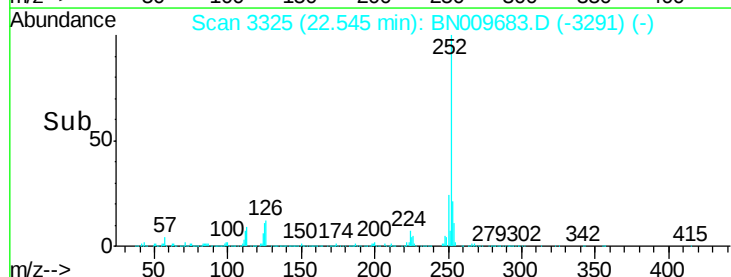
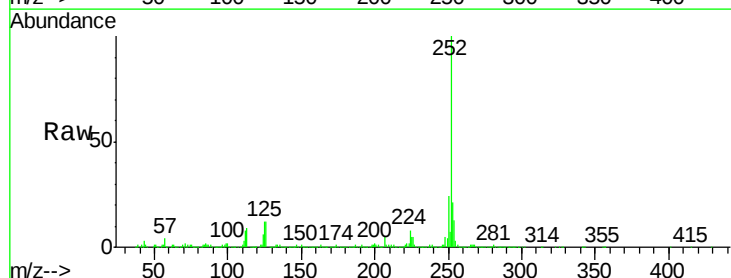
Tgt Ion:252 Resp: 3075836

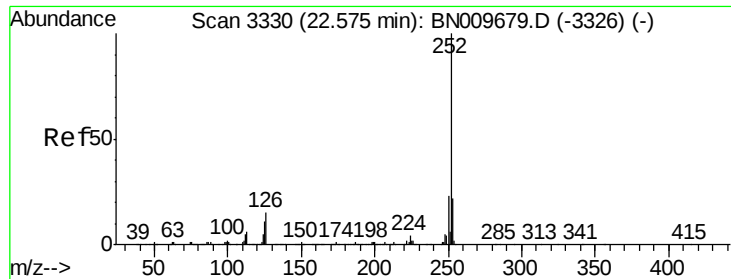
Ion Ratio Lower Upper

252 100

253 21.5 17.0 25.6

125 11.5 8.2 12.2





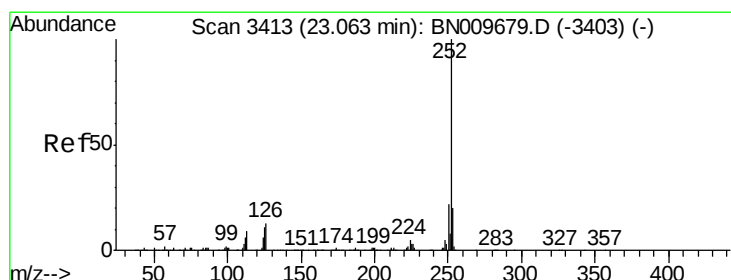
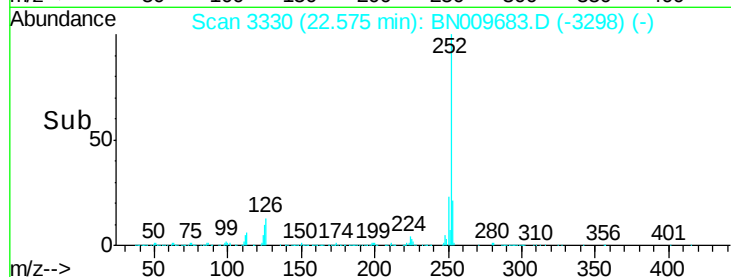
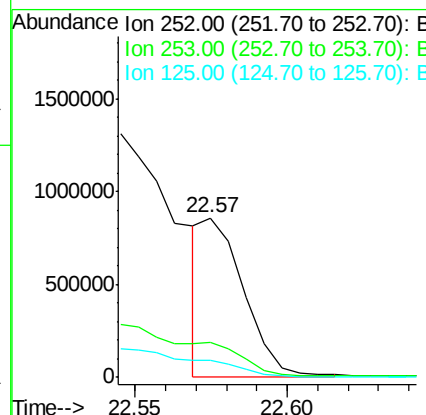
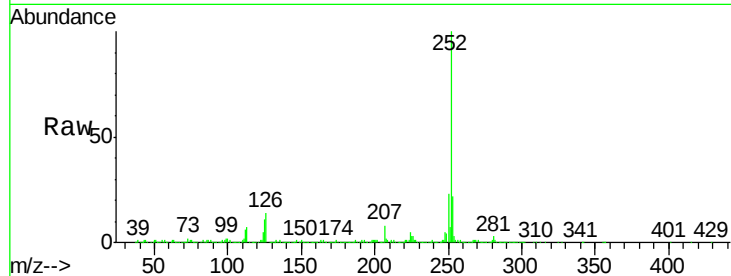
#88
Benzo(k)fluoranthene
Concen: 18.816 ng/ul m
RT: 22.57 min Scan# 3330
Delta R.T. -0.01 min
Lab File: BN009683.D
Acq: 10 Feb 2020 13:12

Instrument :
BNA_N
ClientSampleId :
GAT61ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.4
125	10.6	8.0	12.0

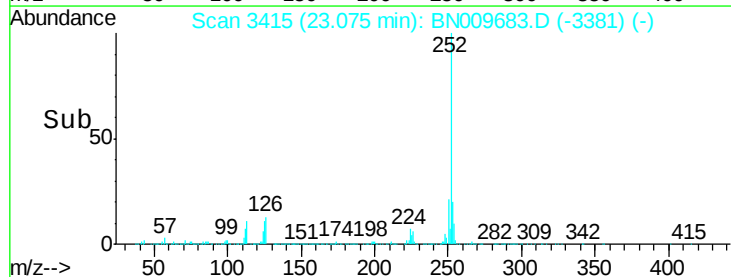
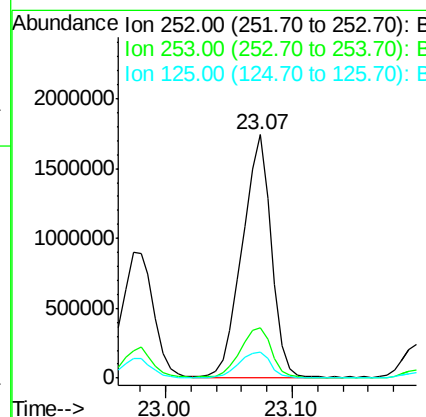
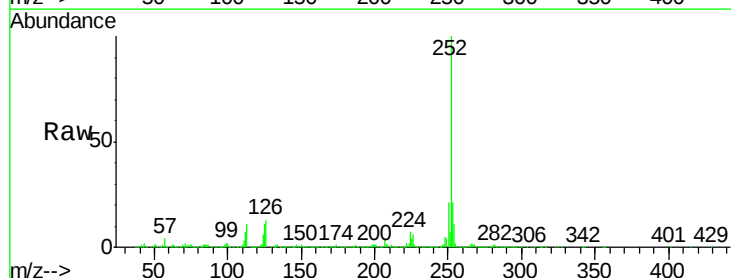
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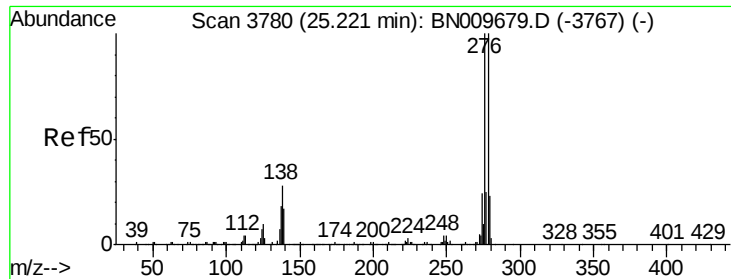
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#90
Benzo(a)pyrene
Concen: 67.971 ng/ul
RT: 23.07 min Scan# 3415
Delta R.T. 0.00 min
Lab File: BN009683.D
Acq: 10 Feb 2020 13:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	15.8	23.8
125	10.9	8.7	13.1





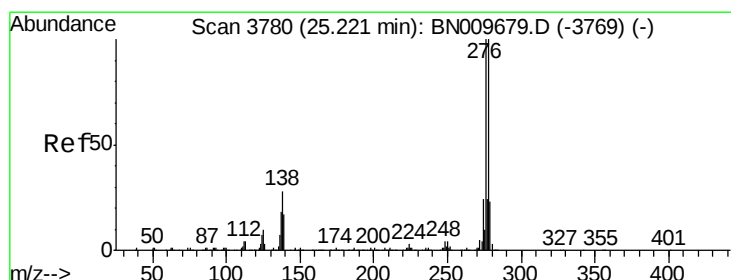
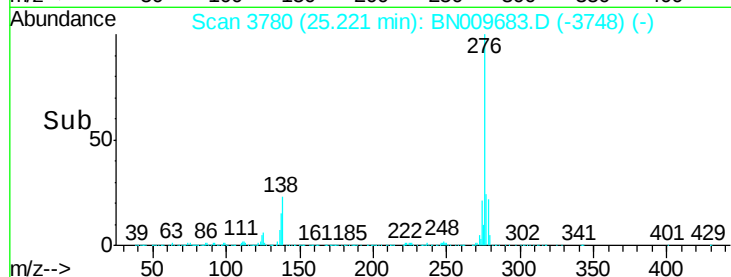
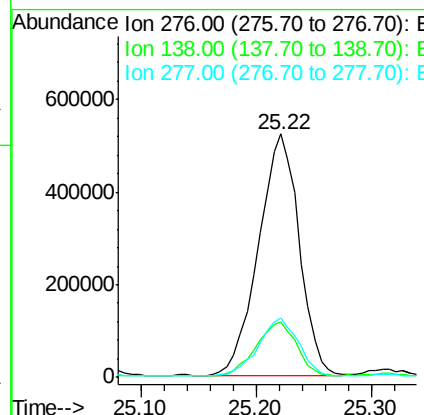
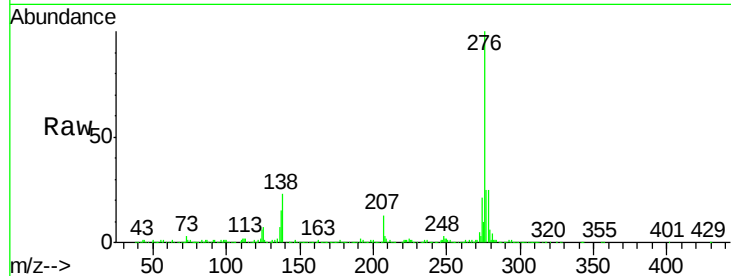
#91
Indeno(1,2,3-cd)pyrene
Concen: 26.539 ng/ul
RT: 25.22 min Scan# 3780
Delta R.T. -0.01 min
Lab File: BN009683.D
Acq: 10 Feb 2020 13:12

Instrument :
BNA_N
ClientSampleId :
GAT61ME

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.8	20.3	30.5
277	24.5	21.2	31.8

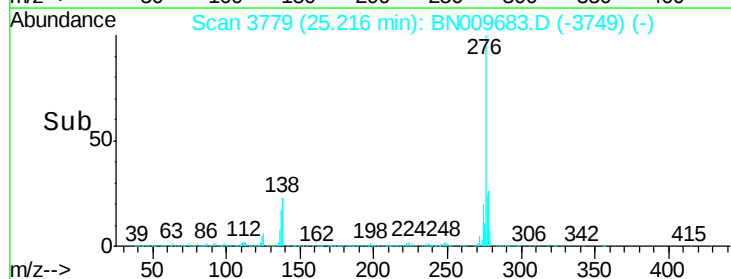
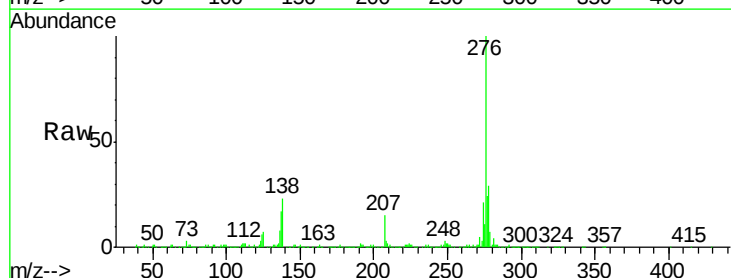
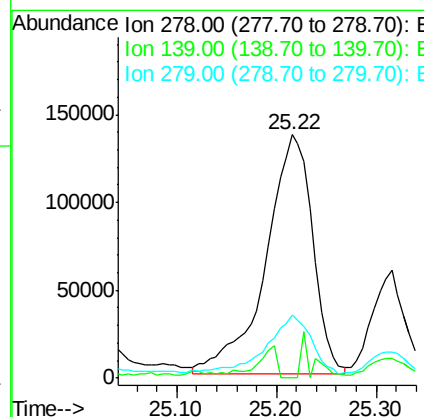
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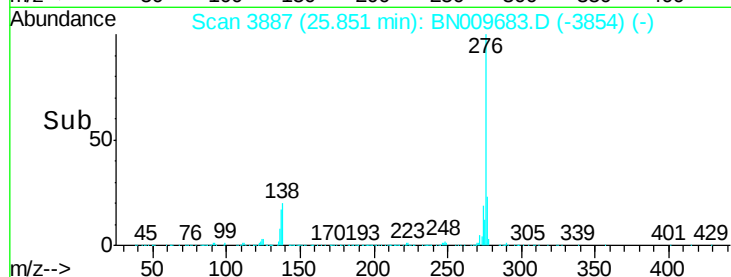
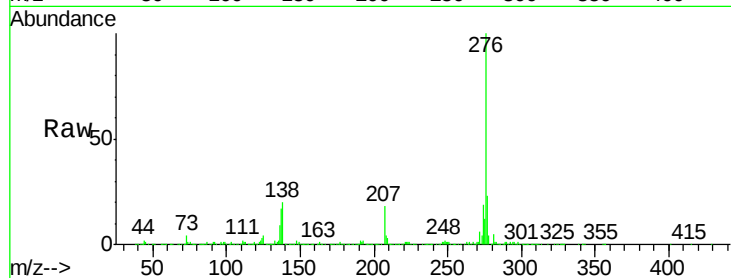
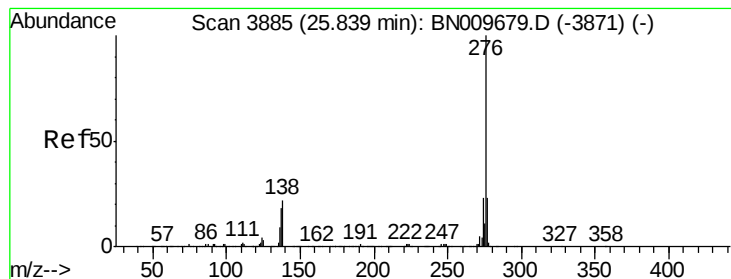
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#92
Dibenzo(a,h)anthracene
Concen: 10.898 ng/ul m
RT: 25.22 min Scan# 3779
Delta R.T. -0.02 min
Lab File: BN009683.D
Acq: 10 Feb 2020 13:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	26.2	19.8	29.8





#93

Benzo(a,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

Tot Ion:	276	Resp:	1098877
Ion Ratio	Lower	Upper	
276	100		
138	20.0	16.0	24.0
277	23.2	17.0	25.6

Instrument :

BNA_N

ClientSampleId :

GAT61ME

Manual Integrations
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