

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
 Data File : BN009706.D
 Acq On : 11 Feb 2020 15:50
 Operator : CG/JU
 Sample : L1324-14 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT69

Manual Integrations
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mohammad
 2/13/2020 3:33:17 PM

Quant Time: Feb 12 02:45:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 12 00:52:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	261695	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.17	136	1113631	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.06	164	670607	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.82	188	1316016	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	1196253	20.00	ng/ul	0.01
85) Perylene-d12	23.16	264	1265919	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	569	0.09	ng/uL	0.00
5) Phenol-d5	6.62	99	20588	0.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.78	67	14344	0.94	ng/ul	0.00
9) 2-Chlorophenol-d4	6.96	132	16893	1.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.14	113	16710	0.92	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	7822	0.94	ng/ul	0.00
22) 2-Nitrophenol-d4	9.28	143	8085	0.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.82	165	16197	0.94	ng/ul	0.01
29) 4-Chloroaniline-d4	10.34	131	7627	0.41	ng/ul	0.01
43) Dimethylphthalate-d6	13.49	166	57361	1.17	ng/ul	0.00
46) Acenaphthylene-d8	13.75	160	67719	1.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	4992m	0.54	ng/ul	0.03
57) Fluorene-d10	15.06	176	51537	1.20	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	4938	0.60	ng/ul	0.01
70) Anthracene-d10	16.92	188	78526m	1.31	ng/ul	0.00
78) Pyrene-d10	19.23	212	78118	1.24	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	72781	1.17	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.22	128	130553	2.162	ng/ul 98
47) Acenaphthylene	13.78	152	2363040	36.505	ng/ul 100
58) Fluorene	15.14	166	107682	2.103	ng/ul# 59
69) Phenanthrene	16.86	178	320937	4.276	ng/ul 99
71) Anthracene	16.95	178	1325634	17.408	ng/ul 99
76) Fluoranthene	18.90	202	6098799	71.200	ng/ul 99
79) Pyrene	19.27	202	15668702m	179.427	ng/ul
82) Benzo(a)anthracene	21.03	228	5830370m	70.590	ng/ul
84) Chrysene	21.09	228	5021701	61.072	ng/ul 98
87) Benzo(b)fluoranthene	22.55	252	4632786	58.493	ng/ul 98
88) Benzo(k)fluoranthene	22.59	252	1519995m	19.487	ng/ul
90) Benzo(a)pyrene	23.08	252	4426556	60.322	ng/ul 95
91) Indeno(1,2,3-cd)pyrene	25.23	276	2067826	23.702	ng/ul 95
92) Dibenzo(a,h)anthracene	25.22	278	719294m	9.795	ng/ul
93) Benzo(g,h,i)perylene	25.87	276	2118193	28.969	ng/ul 98

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

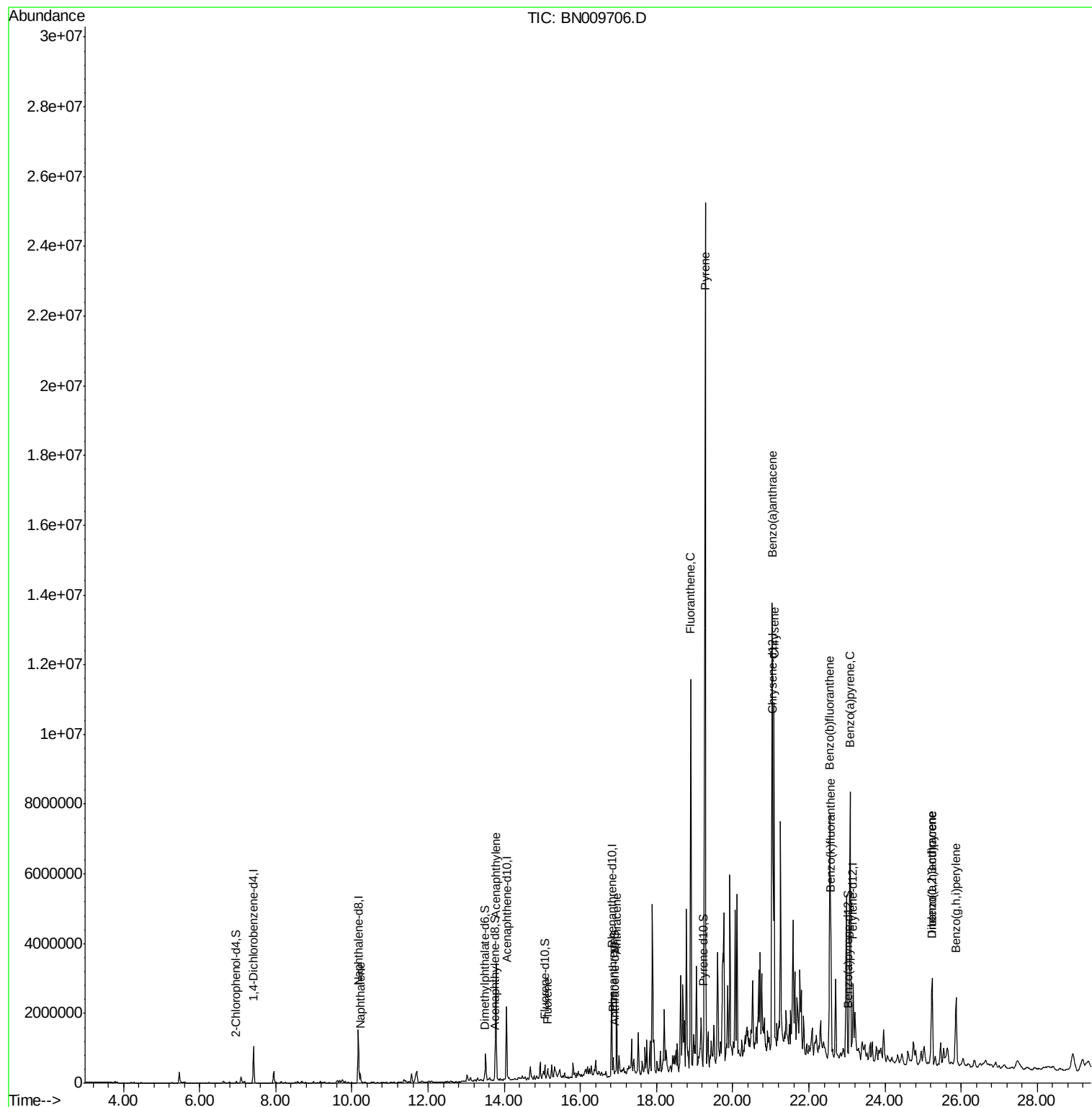
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009706.D
Acq On : 11 Feb 2020 15:50
Operator : CG/JU
Sample : L1324-14 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

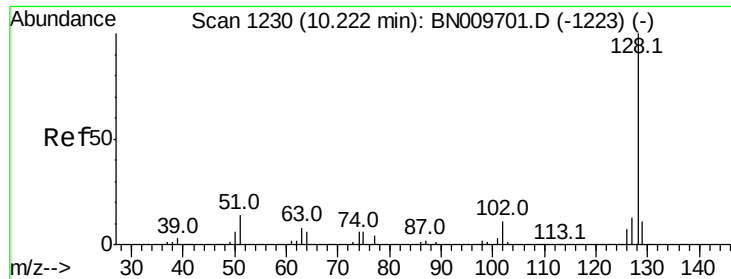
Instrument :
BNA_N
ClientSampleId :
GAT69

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Quant Time: Feb 12 02:45:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 00:52:44 2020
Response via : Initial Calibration





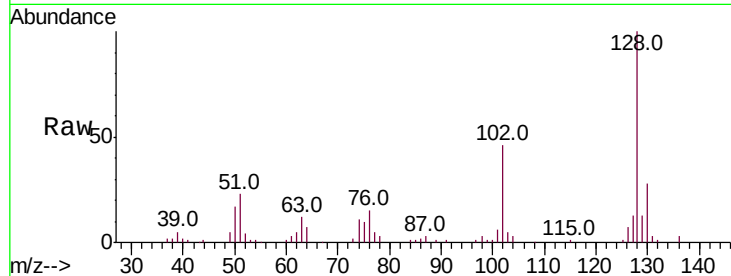
#28
Naphthalene
Concen: 2.162 ng/ul
RT: 10.22 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BN009706.D
Acq: 11 Feb 2020 15:50

Instrument :
BNA_N
ClientSampleId :
GAT69

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.9	8.7	13.1
127	13.3	10.7	16.1

Manual Integrations
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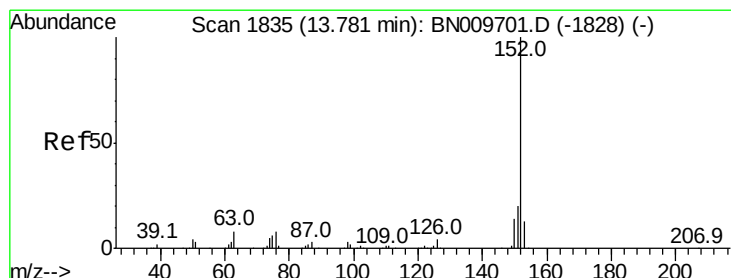
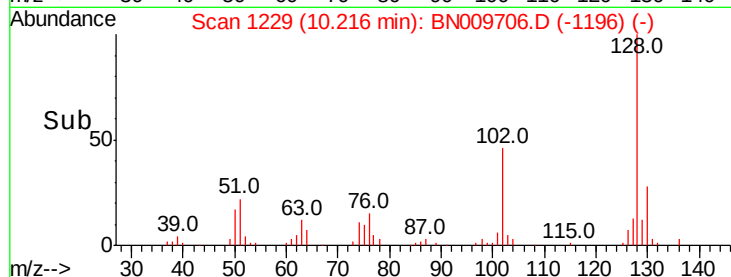
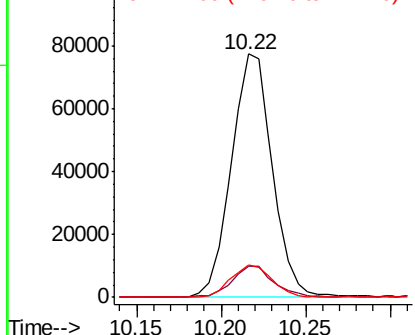


Abundance

Ion 128.00 (127.70 to 128.70): E

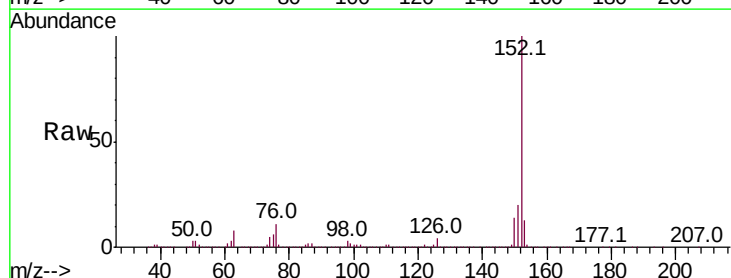
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#47
Acenaphthylene
Concen: 36.505 ng/ul
RT: 13.78 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BN009706.D
Acq: 11 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	13.3	10.6	15.8

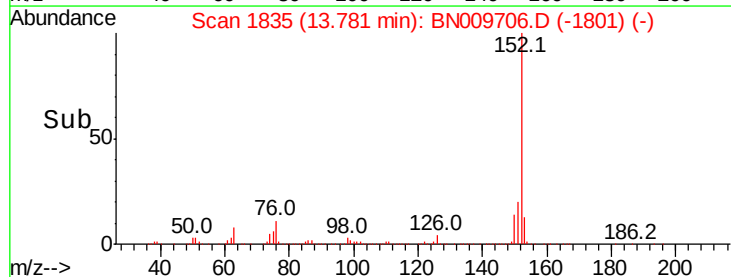
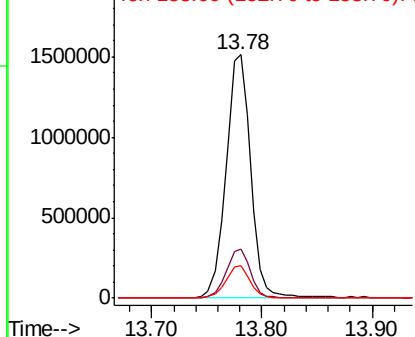


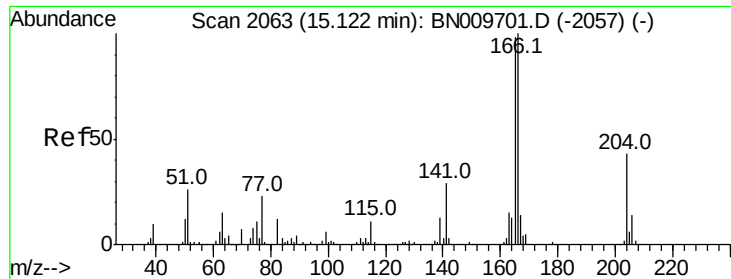
Abundance

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





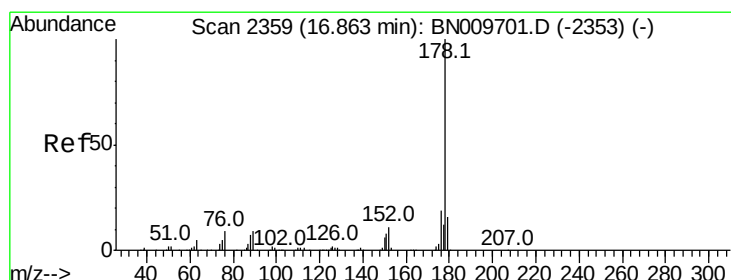
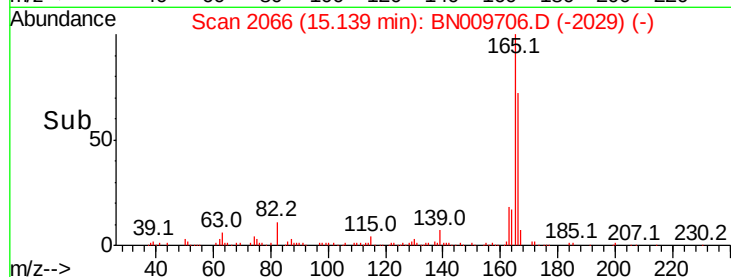
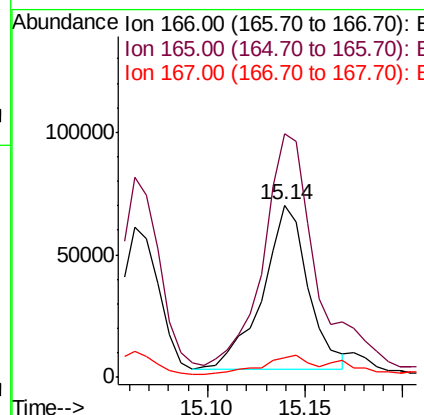
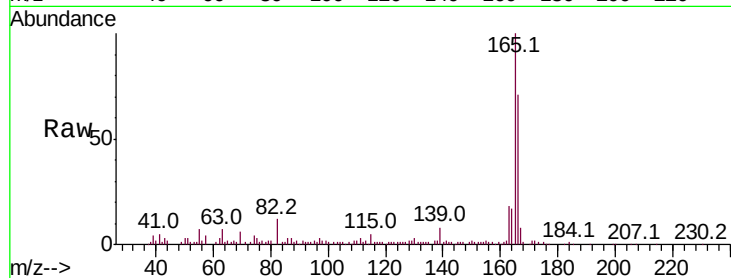
#58
Fluorene
 Concen: 2.103 ng/ul
 RT: 15.14 min Scan# 2066
 Delta R.T. 0.02 min
 Lab File: BN009706.D
 Acq: 11 Feb 2020 15:50

Instrument :
 BNA_N
 ClientSampled :
 GAT69

Tot Ion	Ratio	Resp	Lower	Upper
166	100	107682		
165	141.1	76.7	115.1#	
167	11.3	11.1	16.7	

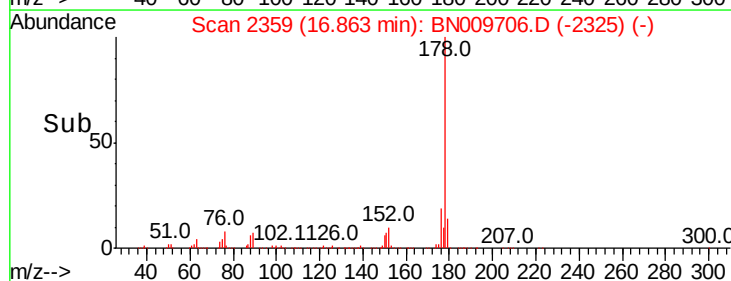
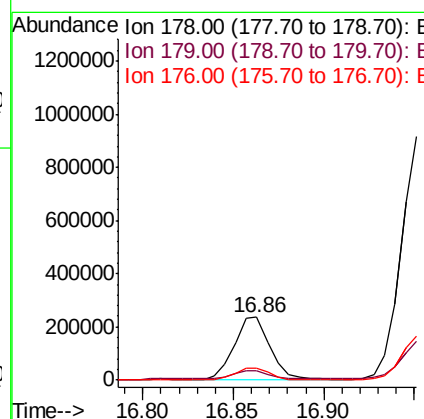
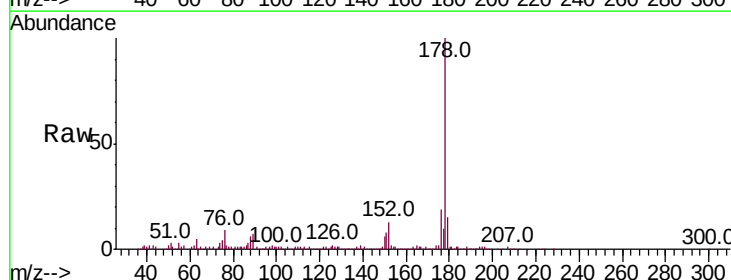
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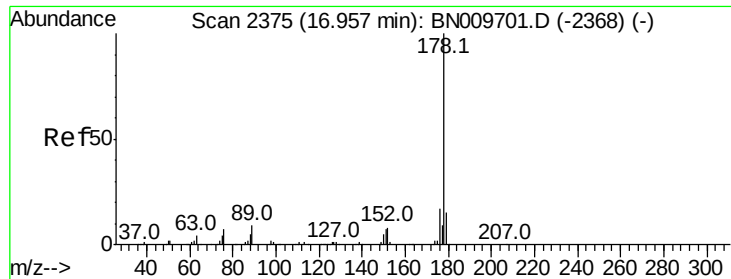
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#69
Phenanthrene
 Concen: 4.276 ng/ul
 RT: 16.86 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: BN009706.D
 Acq: 11 Feb 2020 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	320937		
179	14.8	12.2	18.2	
176	18.8	14.8	22.2	





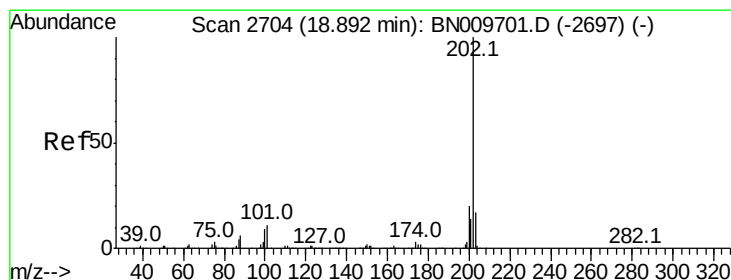
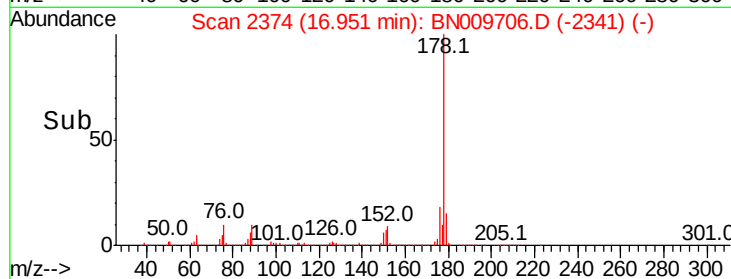
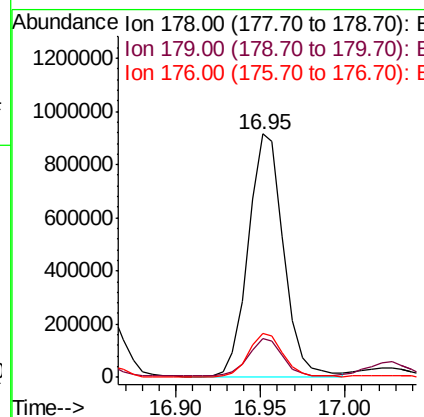
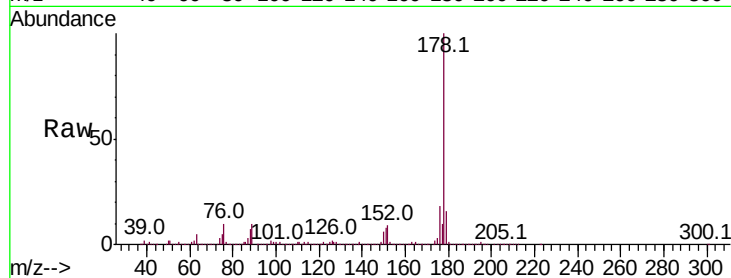
#71
 Anthracene
 Concen: 17.408 ng/ul
 RT: 16.95 min Scan# 2374
 Delta R.T. -0.01 min
 Lab File: BN009706.D
 Acq: 11 Feb 2020 15:50

Instrument :
 BNA_N
 ClientSampleId :
 GAT69

Tot Ion:178 Resp: 1325634
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.1 18.1
 176 18.0 14.6 21.8

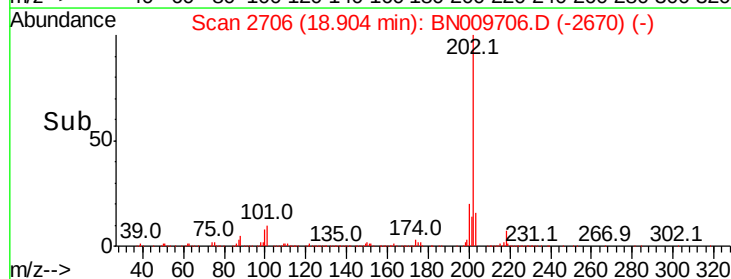
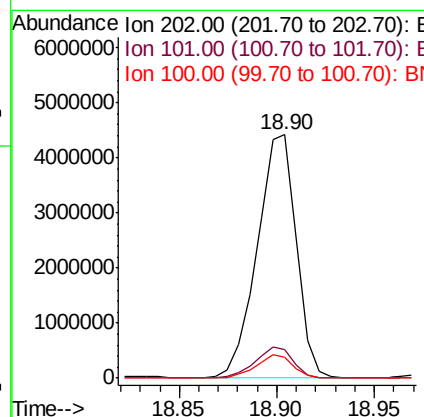
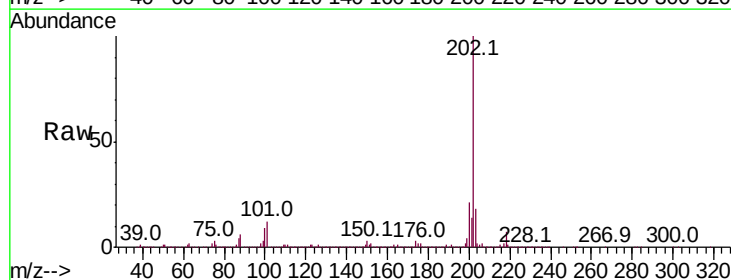
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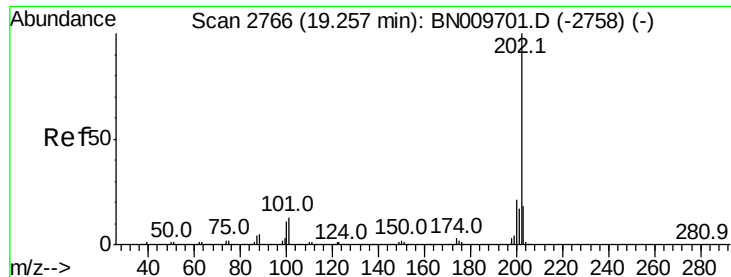
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#76
 Fluoranthene
 Concen: 71.200 ng/ul
 RT: 18.90 min Scan# 2706
 Delta R.T. 0.01 min
 Lab File: BN009706.D
 Acq: 11 Feb 2020 15:50

Tgt Ion:202 Resp: 6098799
 Ion Ratio Lower Upper
 202 100
 101 11.8 9.2 13.8
 100 8.8 6.9 10.3





#79

Pvrene

Concen: 179.427 ng/ul m

RT: 19.27 min Scan# 2769

Delta R.T. 0.02 min

Lab File: BN009706.D

Acq: 11 Feb 2020 15:50

Instrument :

BNA_N

ClientSampleId :

GAT69

Tot Ion:202 Resp:15668702

Ion Ratio Lower Upper

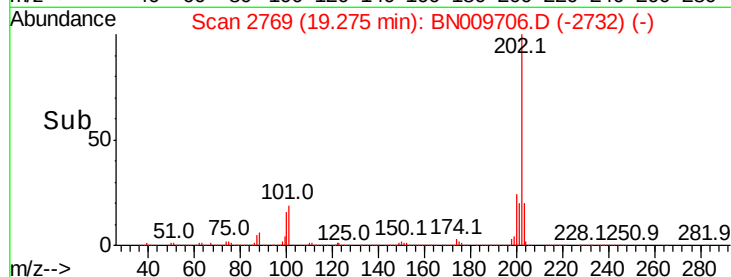
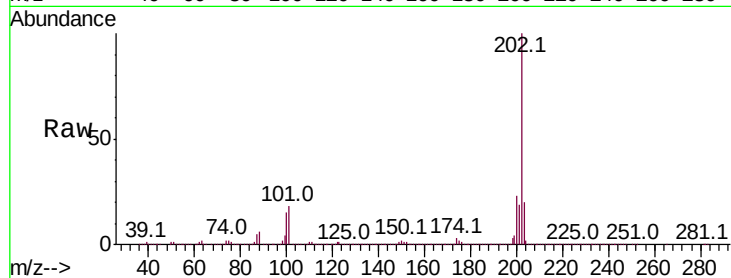
202 100

101 18.0 10.3 15.5#

100 14.8 8.4 12.6#

Manual Integrations
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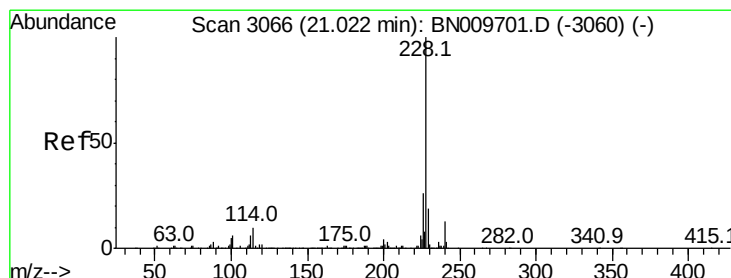
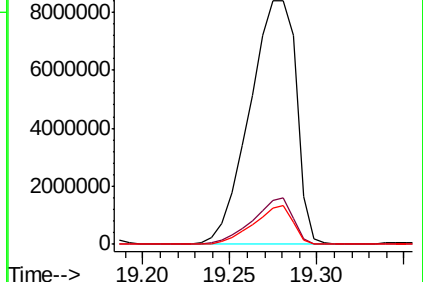
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#82

Benzo(a)anthracene

Concen: 70.590 ng/ul m

RT: 21.03 min Scan# 3068

Delta R.T. 0.01 min

Lab File: BN009706.D

Acq: 11 Feb 2020 15:50

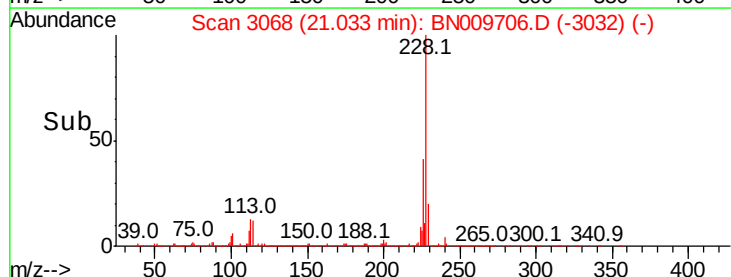
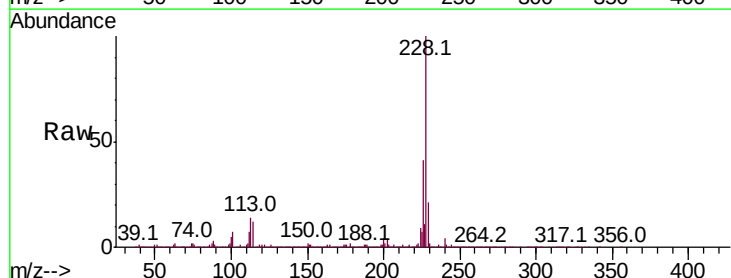
Tgt Ion:228 Resp: 5830370

Ion Ratio Lower Upper

228 100

229 20.5 15.0 22.4

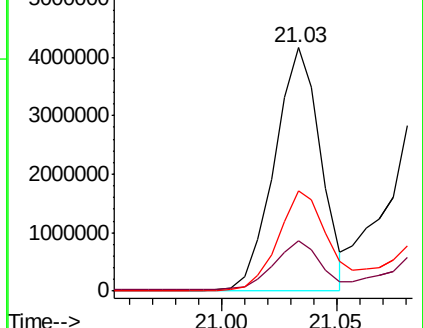
226 41.2 20.9 31.3#

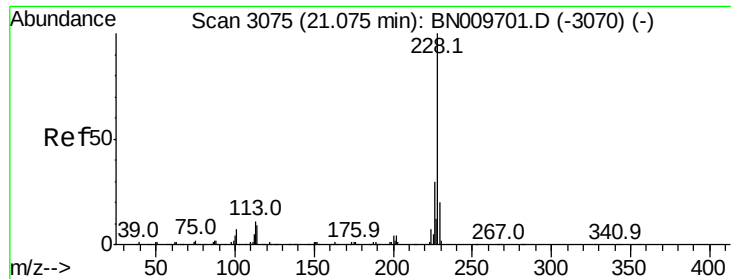


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





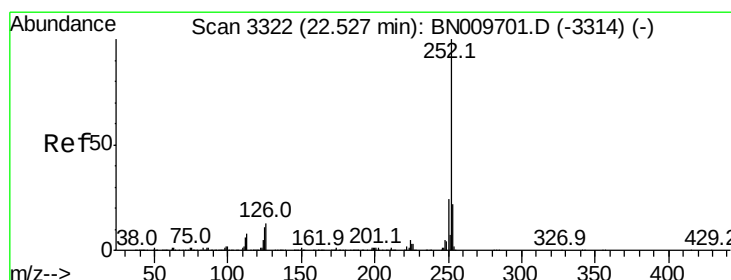
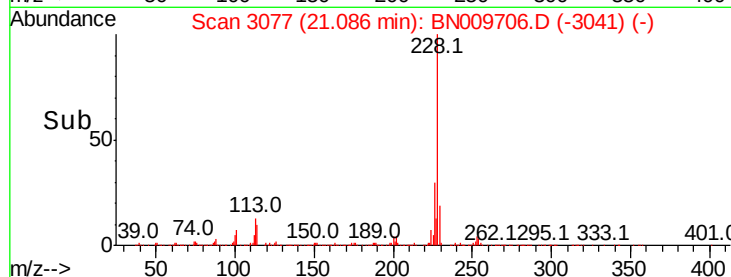
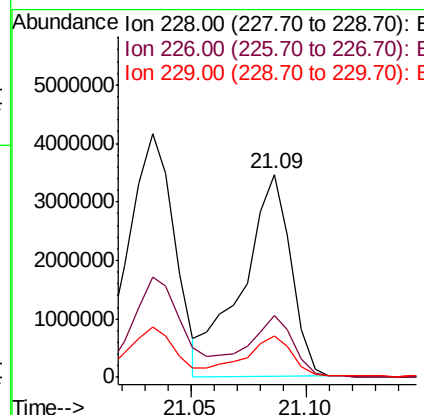
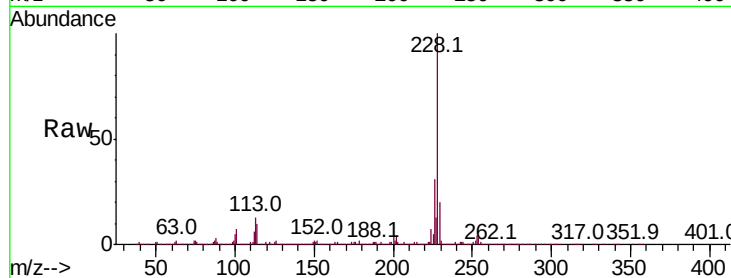
#84
Chrysene
Concen: 61.072 ng/ul
RT: 21.09 min Scan# 3077
Delta R.T. 0.01 min
Lab File: BN009706.D
Acq: 11 Feb 2020 15:50

Instrument :
BNA_N
ClientSampleId :
GAT69

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.5	35.3
229	20.3	15.8	23.8

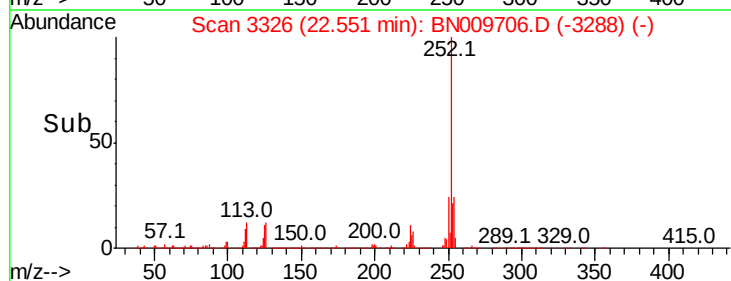
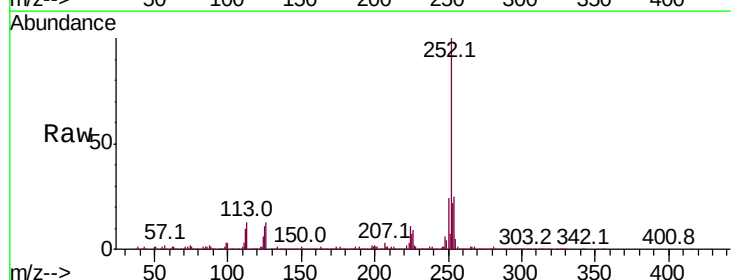
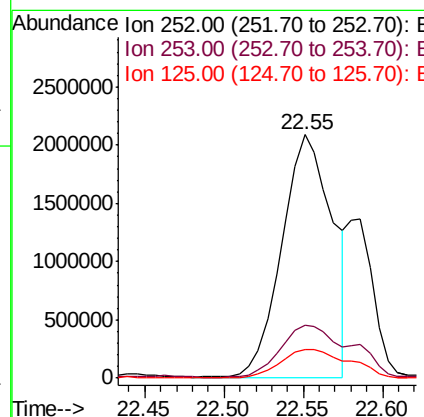
Manual Integrations
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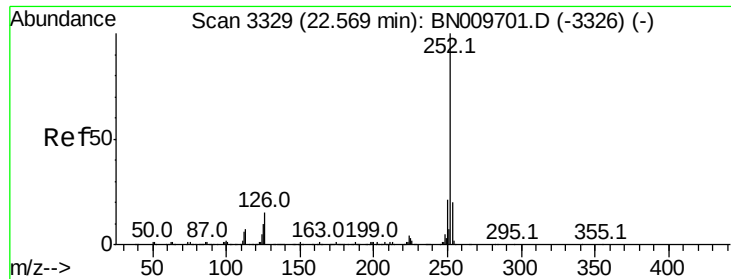
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#87
Benzo(b)fluoranthene
Concen: 58.493 ng/ul
RT: 22.55 min Scan# 3326
Delta R.T. 0.02 min
Lab File: BN009706.D
Acq: 11 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	11.5	8.2	12.2





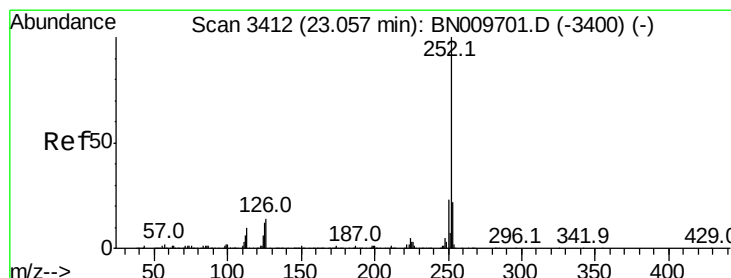
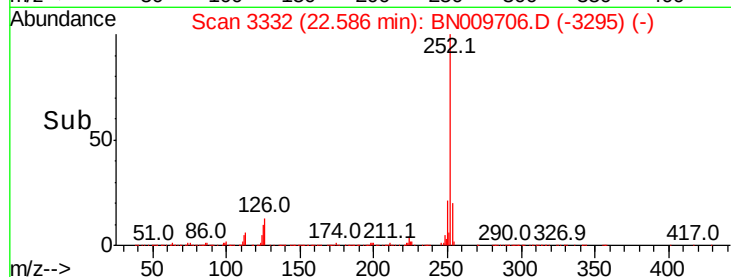
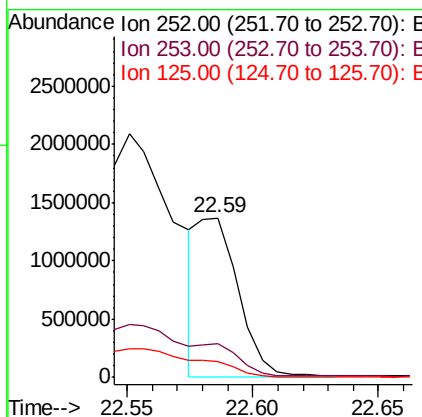
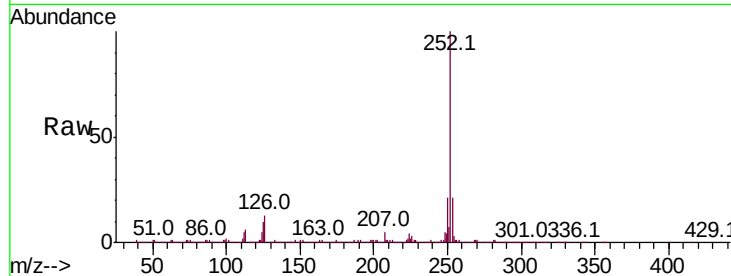
#88
Benzo(k)fluoranthene
Concen: 19.487 ng/ul
RT: 22.59 min Scan# 3332
Delta R.T. 0.02 min
Lab File: BN009706.D
Acq: 11 Feb 2020 15:50

Instrument :
BNA_N
ClientSampled :
GAT69

Tot Ion:252 Resp: 1519995
Ion Ratio Lower Upper
252 100
253 21.0 17.0 25.4
125 9.8 8.0 12.0

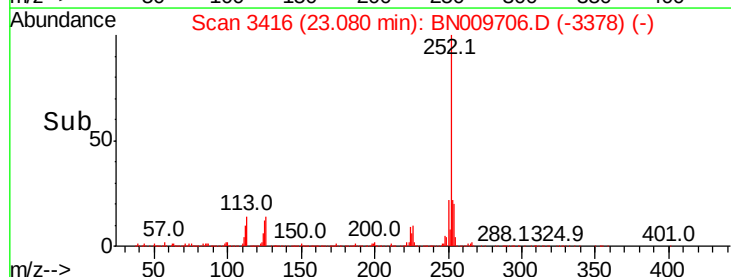
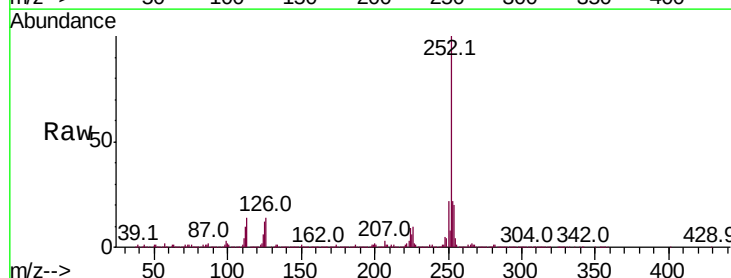
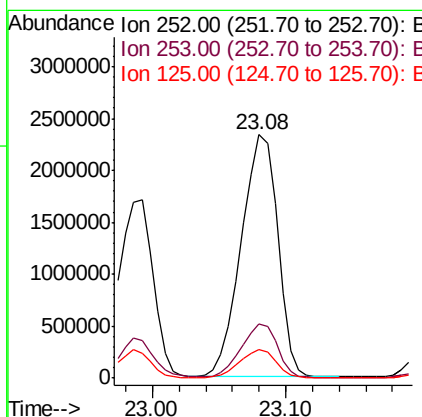
Manual Integrations
APPROVED

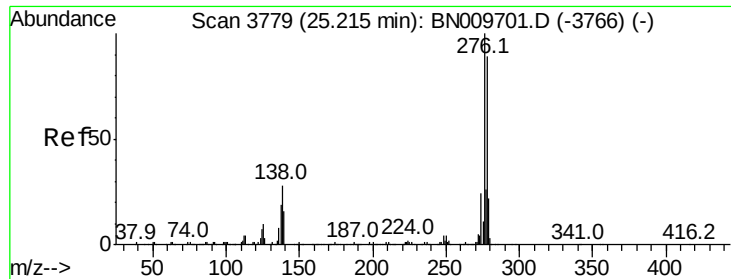
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#90
Benzo(a)pyrene
Concen: 60.322 ng/ul
RT: 23.08 min Scan# 3416
Delta R.T. 0.02 min
Lab File: BN009706.D
Acq: 11 Feb 2020 15:50

Tgt Ion:252 Resp: 4426556
Ion Ratio Lower Upper
252 100
253 22.5 15.8 23.8
125 11.8 8.7 13.1





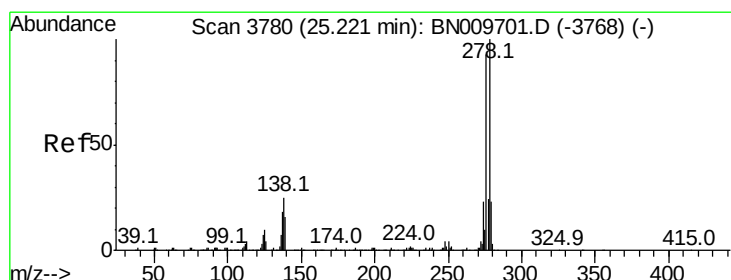
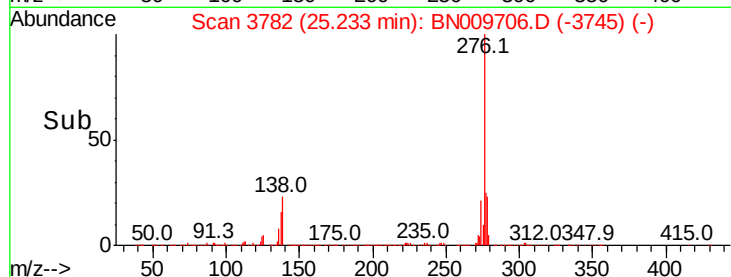
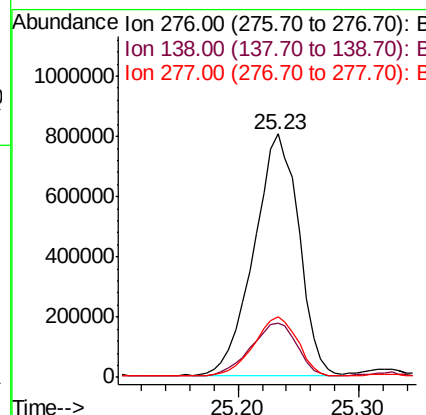
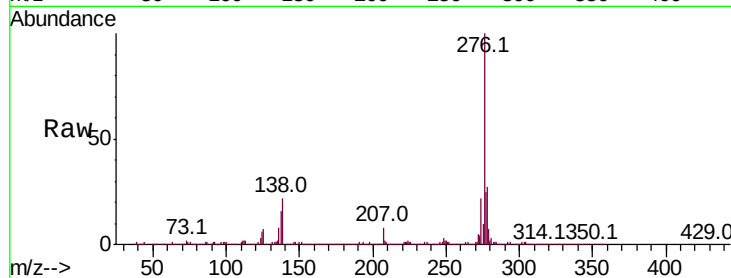
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 23.702 ng/ul
 RT: 25.23 min Scan# 3782
 Delta R.T. 0.02 min
 Lab File: BN009706.D
 Acq: 11 Feb 2020 15:50

Instrument :
 BNA_N
 ClientSampled :
 GAT69

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.3	30.5
277	24.8	21.2	31.8

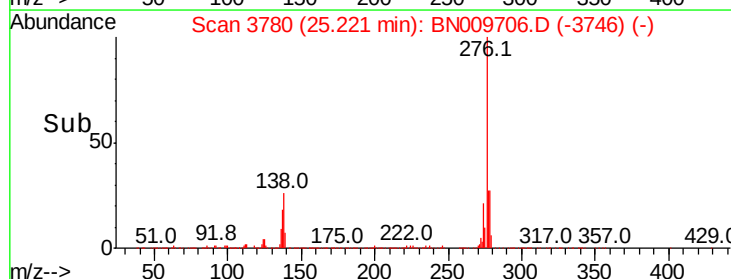
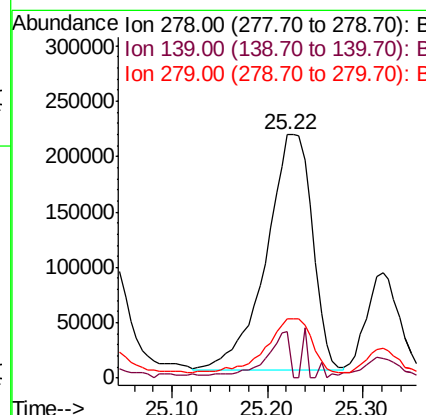
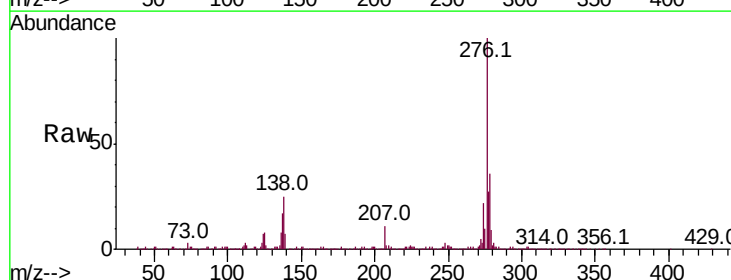
Manual Integrations
 APPROVED

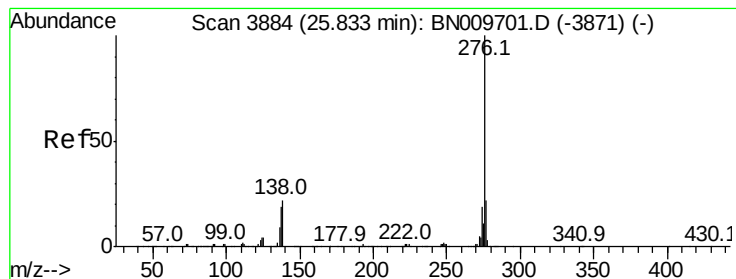
mohammad
 2/13/2020 3:33:17 PM



#92
 Dibenzo(a,h)anthracene
 Concen: 9.795 ng/ul m
 RT: 25.22 min Scan# 3780
 Delta R.T. -0.00 min
 Lab File: BN009706.D
 Acq: 11 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.2	12.7	19.1#
279	24.6	19.8	29.8





#93

Benzo(a,h,i)perylene

Concen: 28.969 ng/ul

RT: 25.87 min Scan# 3890

Delta R.T. 0.04 min

Lab File: BN009706.D

Acq: 11 Feb 2020 15:50

Instrument :

BNA_N

ClientSampleId :

GAT69

Tot Ion:276 Resp: 2118193

Ion Ratio Lower Upper

276 100

138 21.4 16.0 24.0

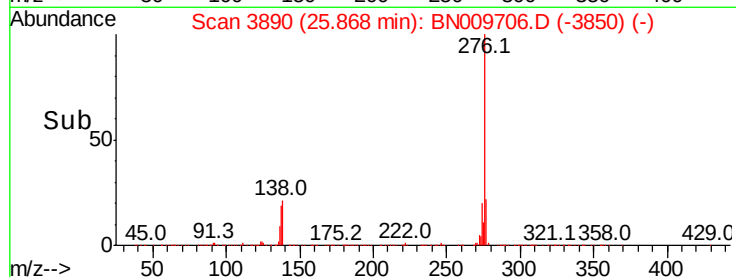
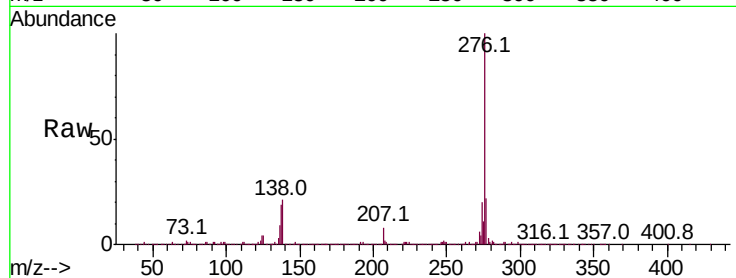
277 22.1 17.0 25.6

Manual Integrations

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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

