

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009607.D
 Acq On : 06 Feb 2020 13:20
 Operator : CG/JU
 Sample : L1323-11
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT49

Manual Integrations
 APPROVED

mohammad
 2/10/2020 8:19:02 AM

Quant Time: Feb 06 21:47:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 03 16:39:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	126533	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.18	136	531091	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.07	164	320648	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.83	188	650513	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	618939	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	656933	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	3131	1.02	ng/uL	0.00
5) Phenol-d5	6.63	99	59253	5.37	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.79	67	44207	5.96	ng/ul	-0.01
9) 2-Chlorophenol-d4	6.97	132	48715	6.00	ng/ul	-0.02
13) 4-Methylphenol-d8	8.15	113	38346	4.36	ng/ul	-0.01
19) Nitrobenzene-d5	8.57	128	24232	6.13	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.28	143	23457	5.32	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	9.82	165	43069	5.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.33	131	53173m	5.99	ng/ul	0.00
43) Dimethylphthalate-d6	13.49	166	155009	6.62	ng/ul	-0.01
46) Acenaphthylene-d8	13.76	160	178287	6.30	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.32	143	7960	1.80	ng/ul	0.00
57) Fluorene-d10	15.07	176	138490	6.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	12887	3.17	ng/ul	0.00
70) Anthracene-d10	16.92	188	202794	6.86	ng/ul	-0.01
78) Pyrene-d10	19.23	212	228395	7.02	ng/ul	-0.01
89) Benzo(a)pyrene-d12	23.02	264	232636	7.19	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.66	94	14076	1.194 ng/ul#	86
14) Acetophenone	8.25	105	18671	1.328 ng/ul	96
28) Naphthalene	10.23	128	8758839	304.120 ng/ul	100
34) 2-Methylnaphthalene	11.86	142	3815922	189.328 ng/ul	100
40) 1,1'-Biphenyl	12.89	154	281483	11.275 ng/ul	99
44) Dimethylphthalate	13.54	163	46961	1.890 ng/ul	99
47) Acenaphthylene	13.79	152	1084920	35.052 ng/ul	98
49) Acenaphthene	14.13	153	87123	4.141 ng/ul	95
53) Dibenzofuran	14.47	168	106647	3.640 ng/ul	96
58) Fluorene	15.13	166	562927	22.989 ng/ul	99
69) Phenanthrene	16.87	178	2746574	74.036 ng/ul	99
71) Anthracene	16.96	178	540299	14.354 ng/ul	98
76) Fluoranthene	18.90	202	668690	15.793 ng/ul	99
79) Pyrene	19.26	202	1017095	22.511 ng/ul	98
82) Benzo(a)anthracene	21.03	228	364821m	8.537 ng/ul	
84) Chrysene	21.08	228	296341	6.966 ng/ul	99
87) Benzo(b)fluoranthene	22.54	252	197839	4.813 ng/ul	97
88) Benzo(k)fluoranthene	22.57	252	52184m	1.289 ng/ul	
90) Benzo(a)pyrene	23.07	252	230556	6.054 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.22	276	82362	1.819 ng/ul#	92
93) Benzo(a,h,i)perylene	25.84	276	81684	2.153 ng/ul	95

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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)

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

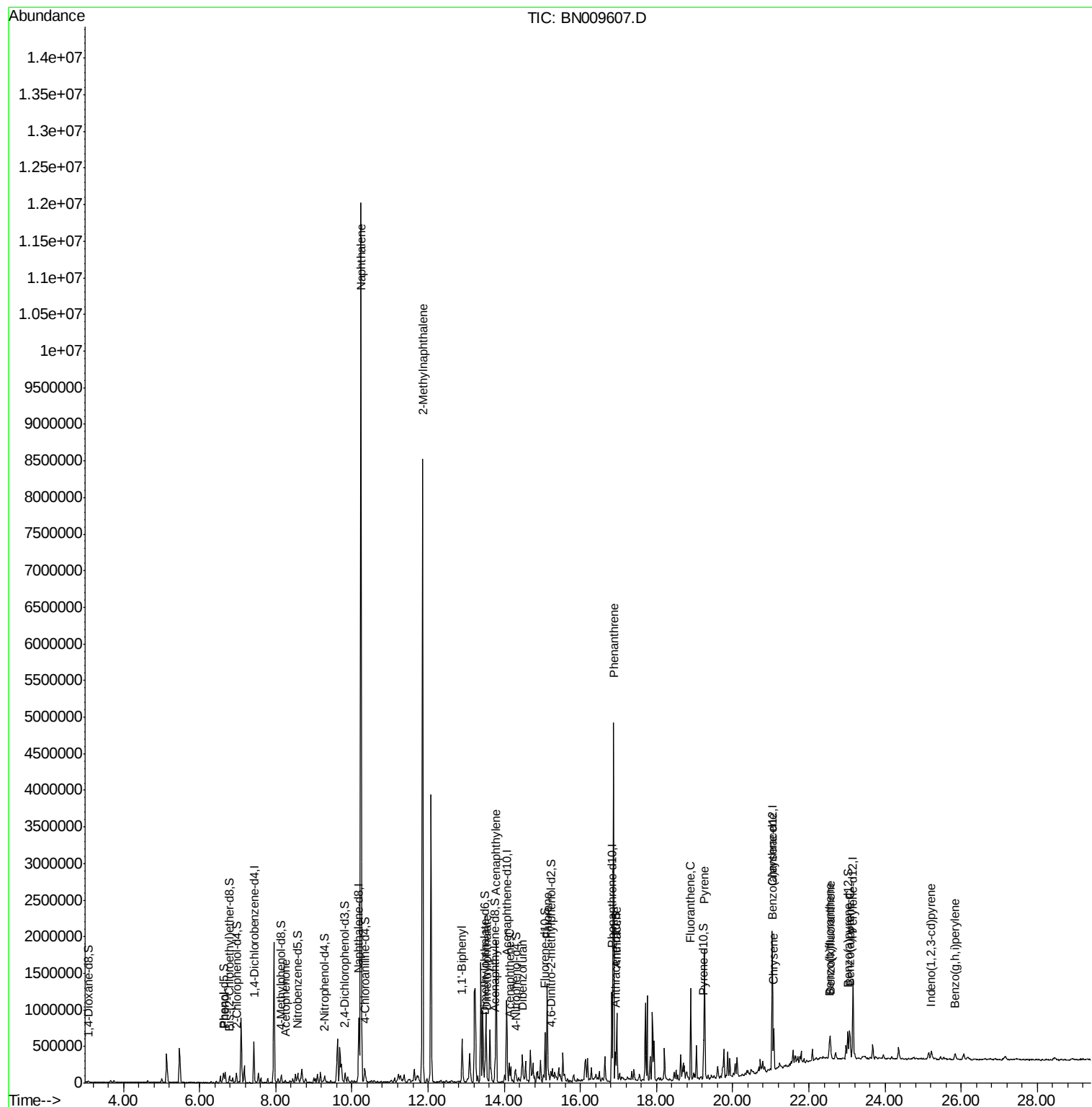
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009607.D
Acq On : 06 Feb 2020 13:20
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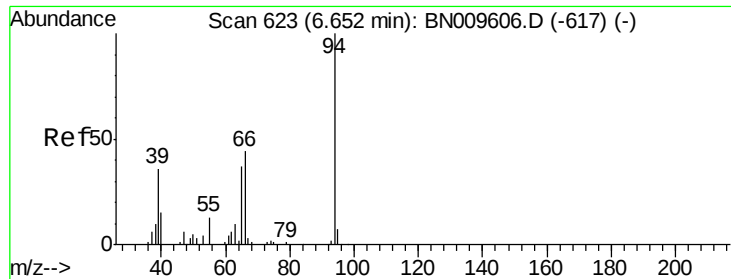
Instrument :
BNA_N
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GAT49

Quant Time: Feb 06 21:47:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
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#6

Phenol

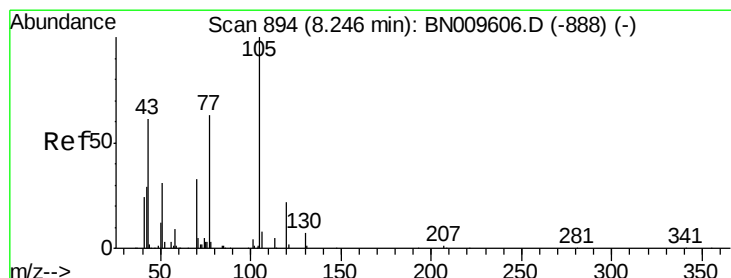
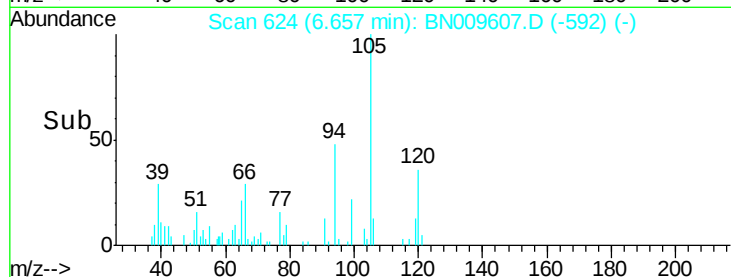
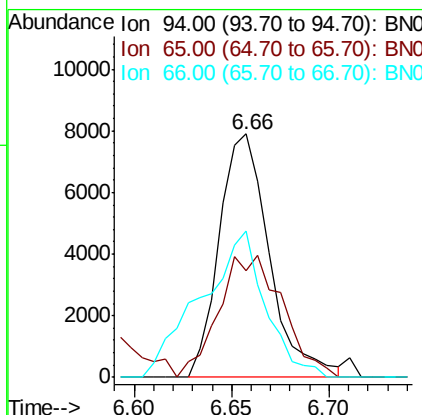
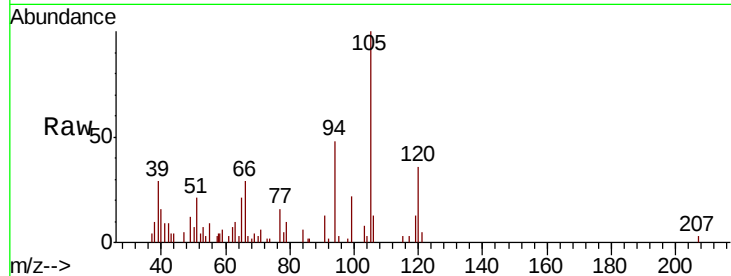
Concen: 1.194 ng/ul
 RT: 6.66 min Scan# 624
 Delta R.T. -0.01 min
 Lab File: BN009607.D
 Acq: 06 Feb 2020 13:20

Instrument :
 BNA_N
 ClientSampled :
 GAT49

Tot Ion	Ion	Ratio	Resp	Lower	Upper
94	100		14076		
65	43.9	29.8		44.6	
66	60.0	39.5		59.3	

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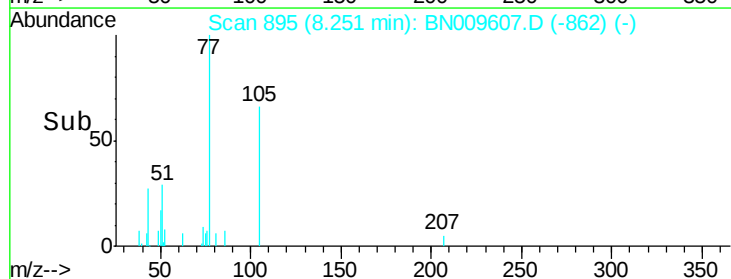
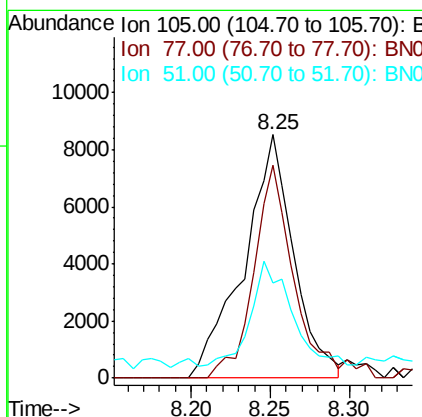
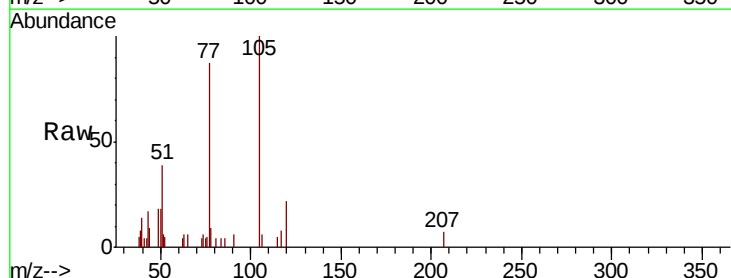


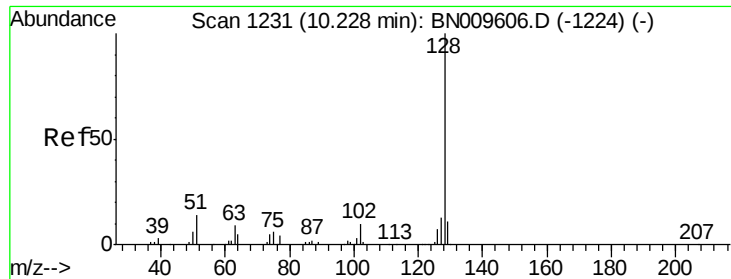
#14

Acetophenone

Concen: 1.328 ng/ul
 RT: 8.25 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BN009607.D
 Acq: 06 Feb 2020 13:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		18671		
77	87.3	67.7		101.5	
51	38.9	34.3		51.5	





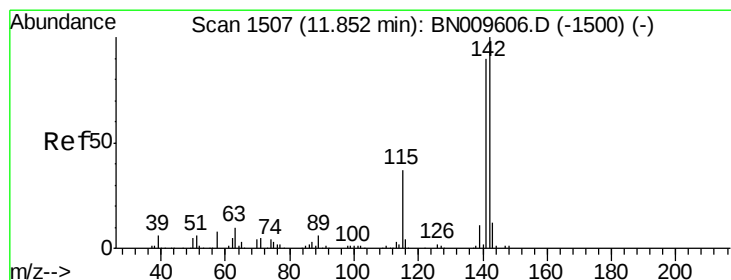
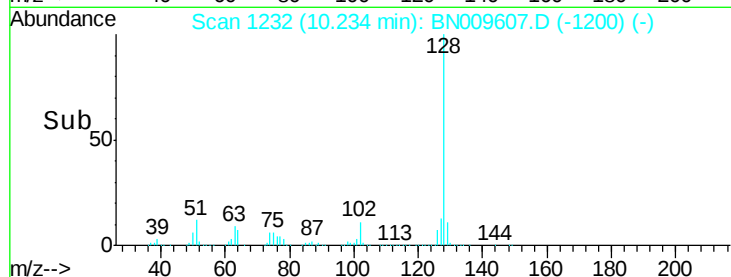
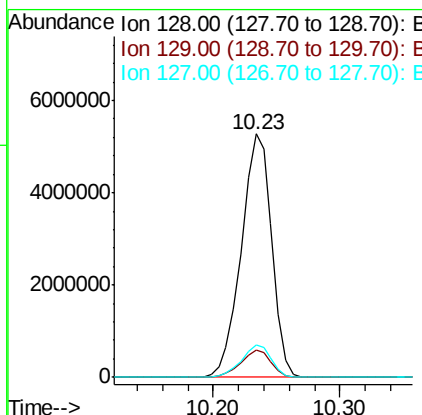
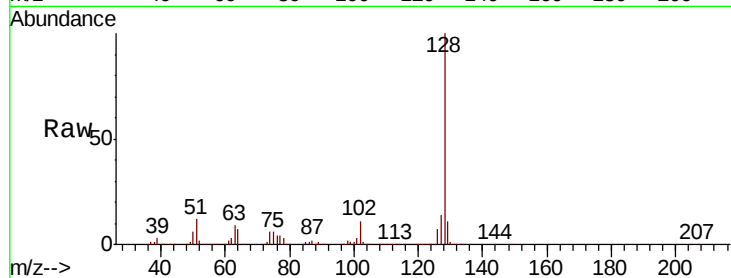
#28
Naphthalene
Concen: 304.120 ng/ul
RT: 10.23 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Instrument :
BNA_N
ClientSampleId :
GAT49

Tot Ion:128 Resp: 8758839
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.5 10.7 16.1

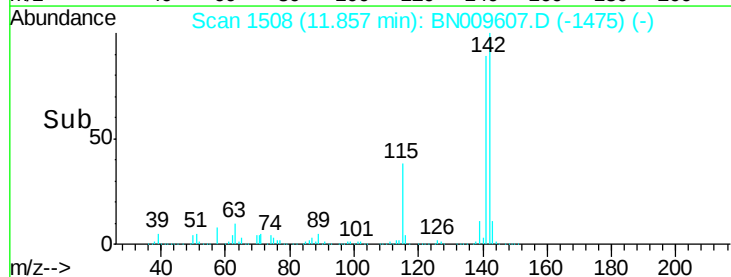
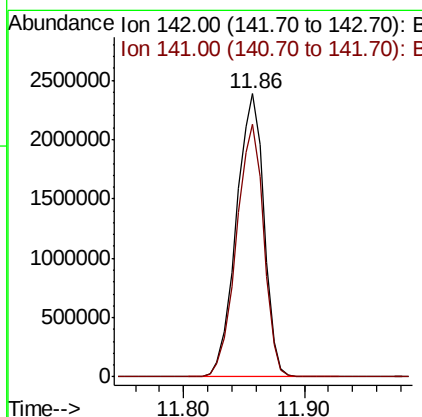
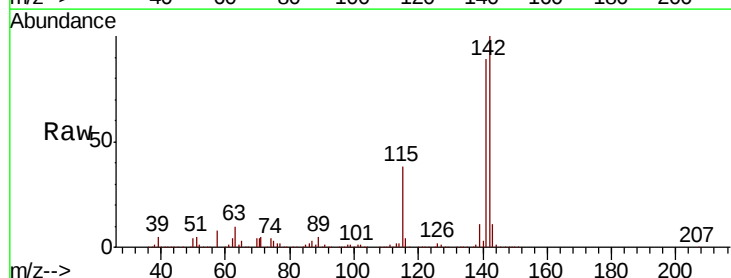
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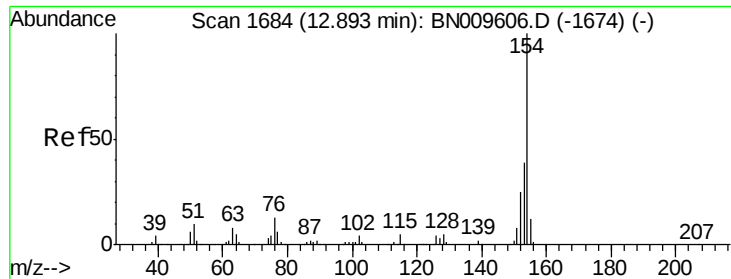
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#34
2-Methylnaphthalene
Concen: 189.328 ng/ul
RT: 11.86 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Tgt Ion:142 Resp: 3815922
Ion Ratio Lower Upper
142 100
141 89.5 71.5 107.3





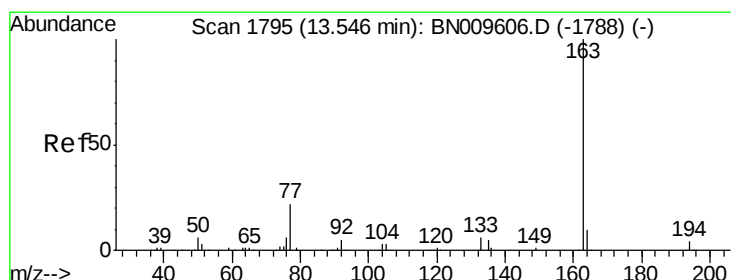
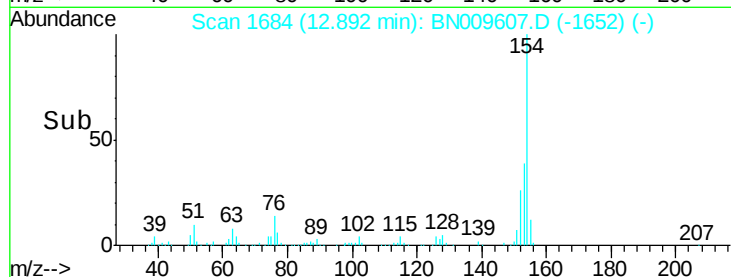
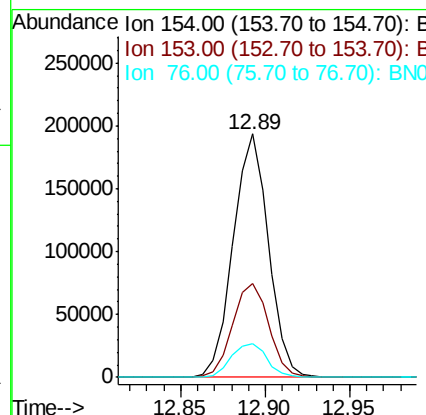
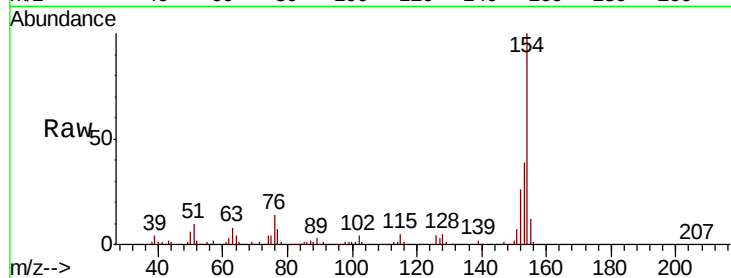
#40
1,1'-Biphenyl
Concen: 11.275 ng/ul
RT: 12.89 min Scan# 1684
Delta R.T. -0.01 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Instrument :
BNA_N
ClientSampled :
GAT49

Tot Ion	Ratio	Resp	Lower	Upper
154	100	281483		
153	38.7		31.2	46.8
76	13.8		11.4	17.2

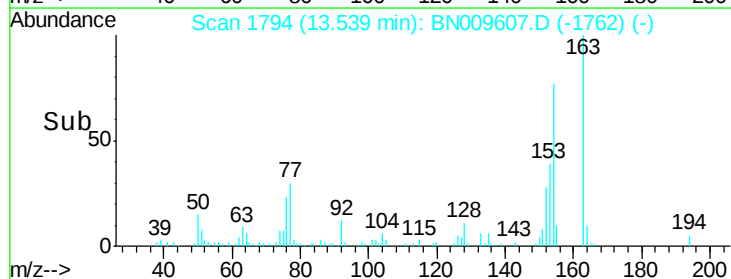
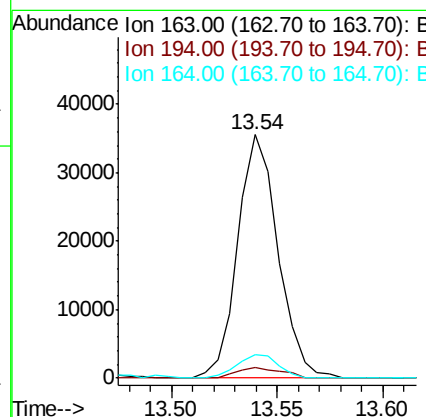
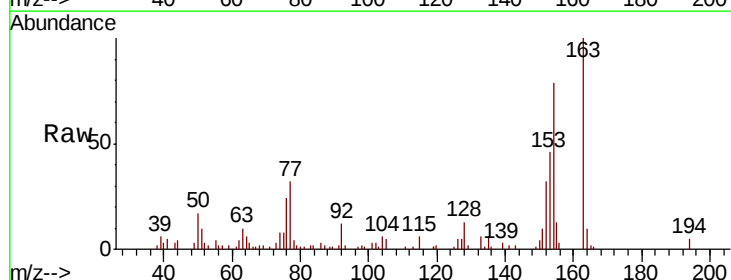
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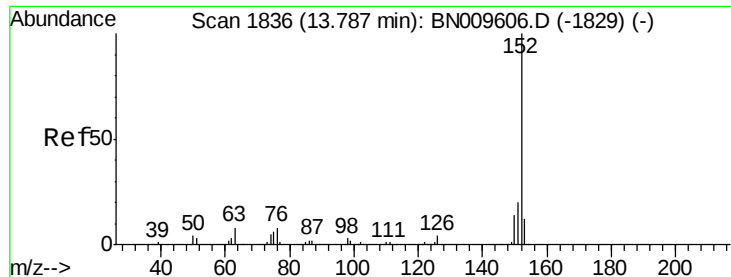
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#44
Dimethylphthalate
Concen: 1.890 ng/ul
RT: 13.54 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	46961		
194	4.5		3.5	5.3
164	9.6		8.0	12.0





#47

Acenaphthylene

Concen: 35.052 ng/ul

RT: 13.79 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BN009607.D

Acq: 06 Feb 2020 13:20

Instrument :

BNA_N

ClientSampled :

GAT49

Tot Ion:152 Resp: 1084920

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.2

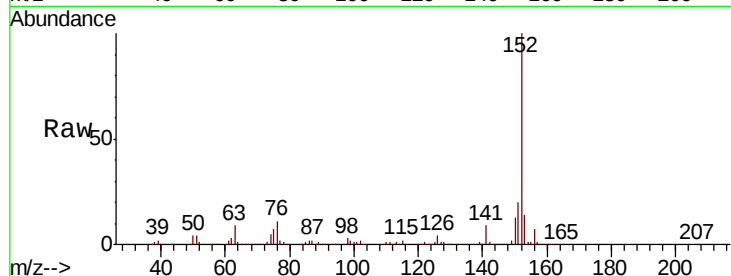
153 14.2 10.6 15.8

Manual Integrations

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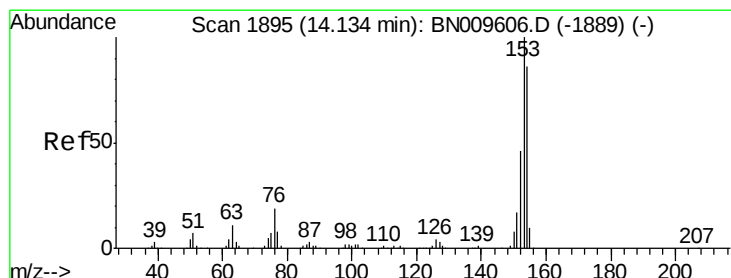
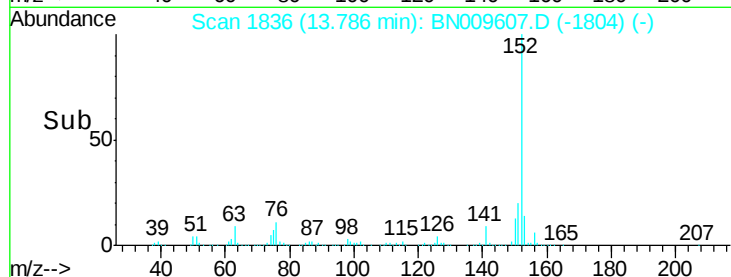
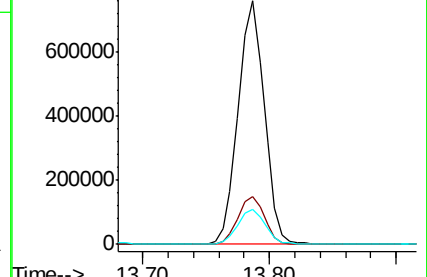
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 4.141 ng/ul

RT: 14.13 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BN009607.D

Acq: 06 Feb 2020 13:20

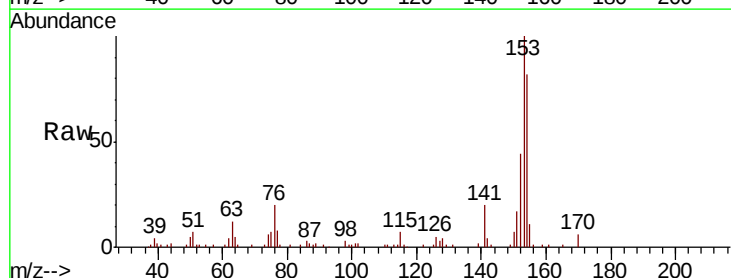
Tgt Ion:153 Resp: 87123

Ion Ratio Lower Upper

153 100

152 43.9 37.3 55.9

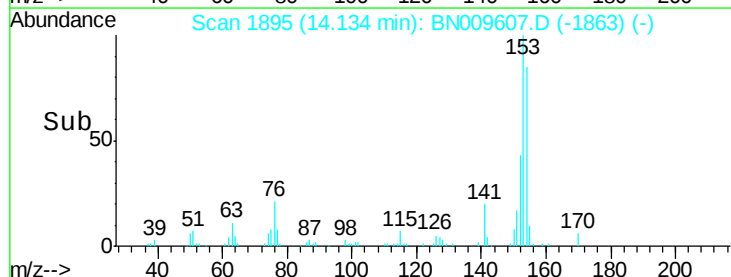
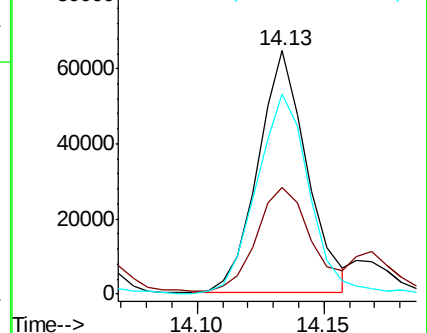
154 82.1 70.2 105.2

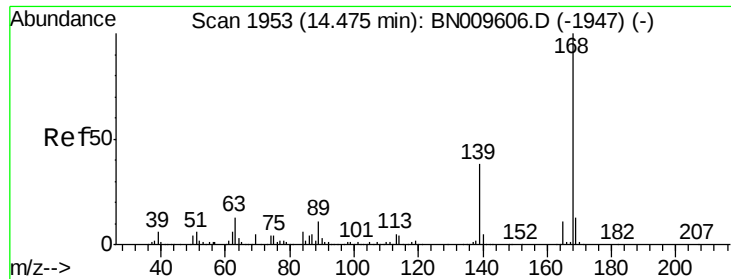


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





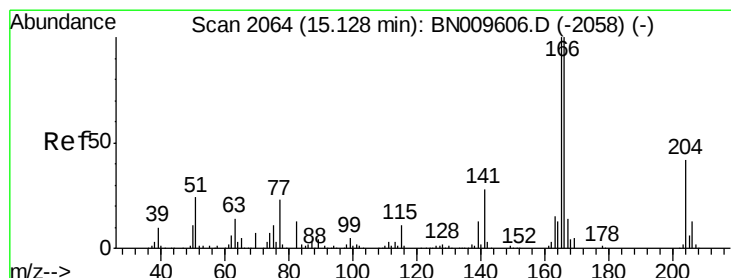
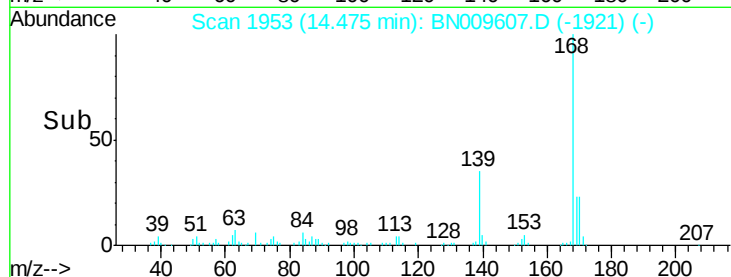
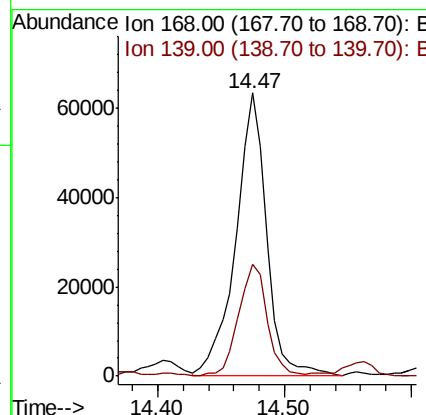
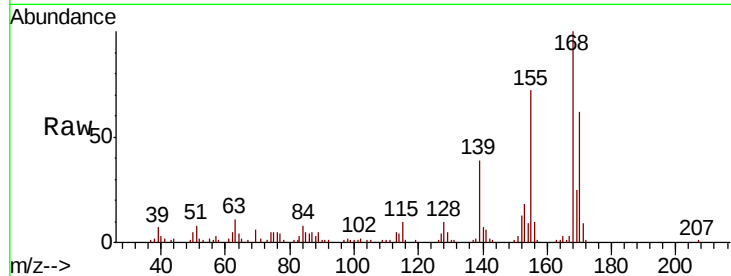
#53
Dibenzenofuran
Concen: 3.640 ng/ul
RT: 14.47 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Instrument :
BNA_N
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GAT49

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.4	29.5	44.3

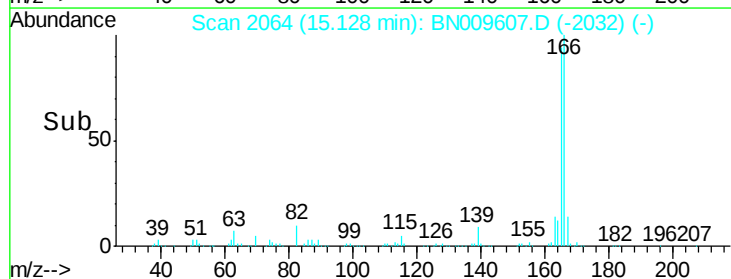
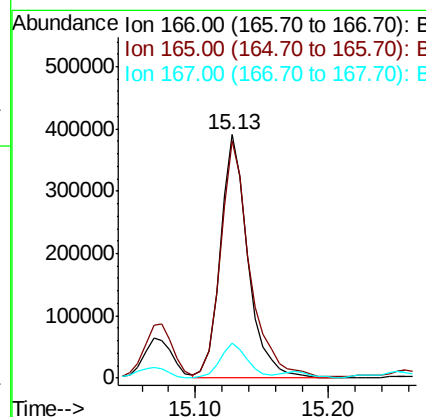
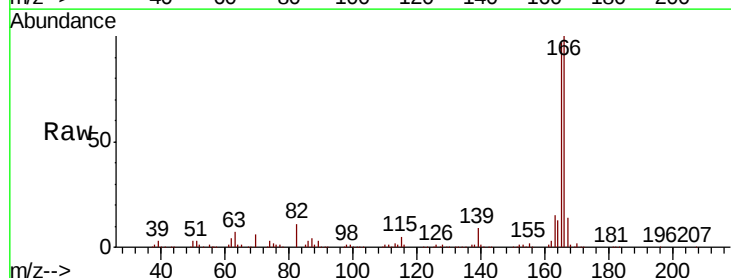
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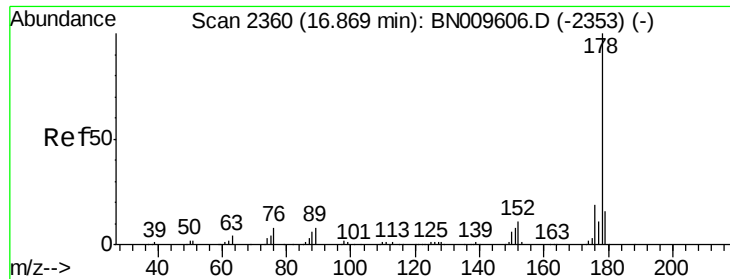
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#58
Fluorene
Concen: 22.989 ng/ul
RT: 15.13 min Scan# 2064
Delta R.T. -0.01 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	76.7	115.1
167	14.2	11.1	16.7





#69

Phenanthrene

Concen: 74.036 ng/ul

RT: 16.87 min Scan# 2360

Delta R.T. -0.01 min

Lab File: BN009607.D

Acq: 06 Feb 2020 13:20

Instrument :

BNA_N

ClientSampled :

GAT49

Tot Ion:178 Resp: 2746574

Ion Ratio Lower Upper

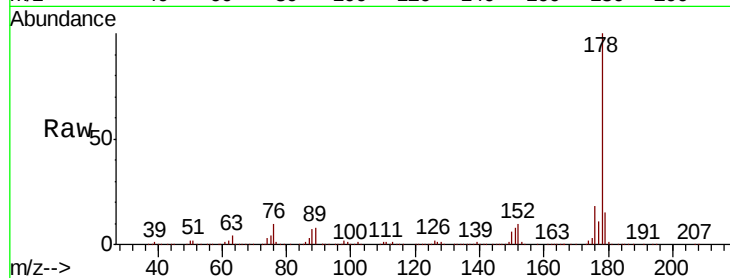
178 100

179 14.7 12.2 18.2

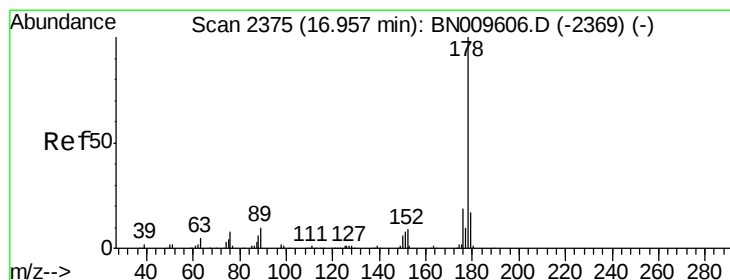
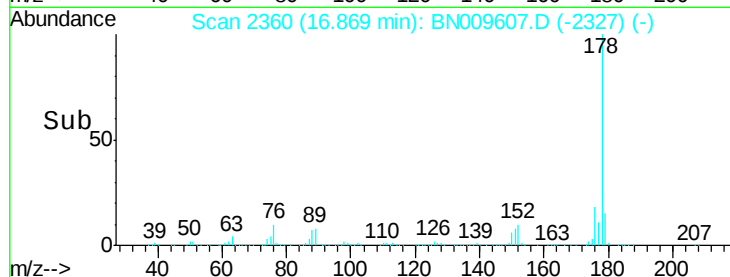
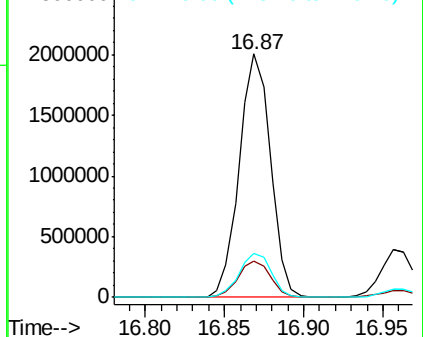
176 18.0 14.8 22.2

Manual Integrations
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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



#71

Anthracene

Concen: 14.354 ng/ul

RT: 16.96 min Scan# 2375

Delta R.T. -0.01 min

Lab File: BN009607.D

Acq: 06 Feb 2020 13:20

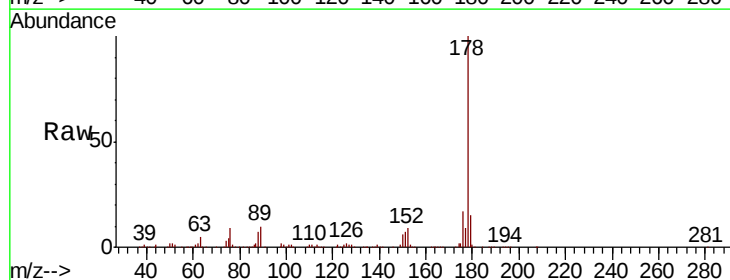
Tgt Ion:178 Resp: 540299

Ion Ratio Lower Upper

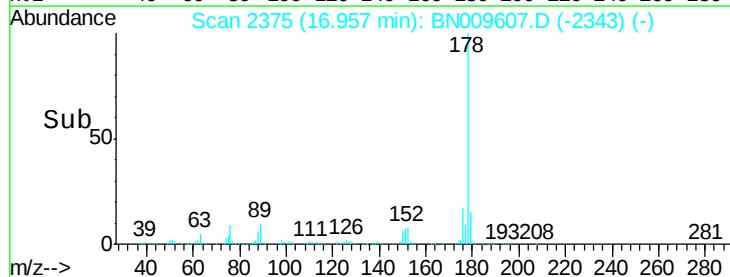
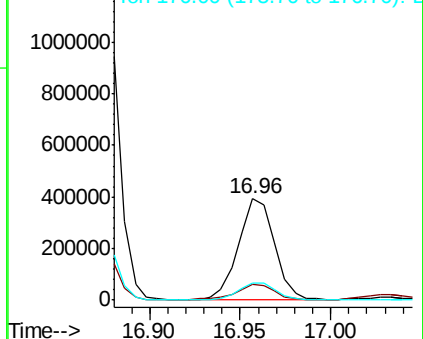
178 100

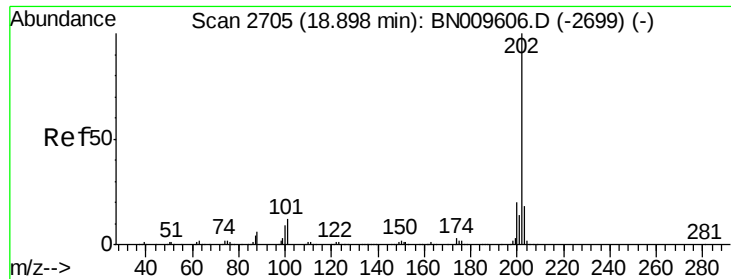
179 15.0 12.1 18.1

176 16.8 14.6 21.8



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: 15.793 ng/ul

RT: 18.90 min Scan# 2705

Delta R.T. -0.01 min

Lab File: BN009607.D

Acq: 06 Feb 2020 13:20

Instrument :

BNA_N

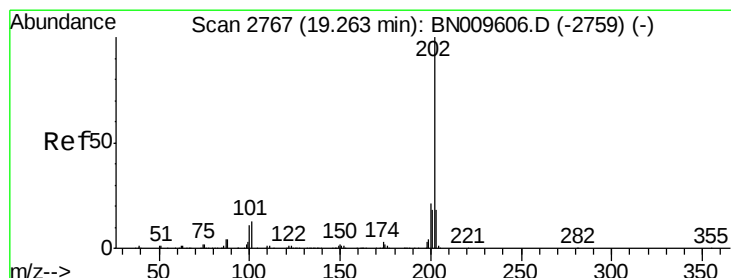
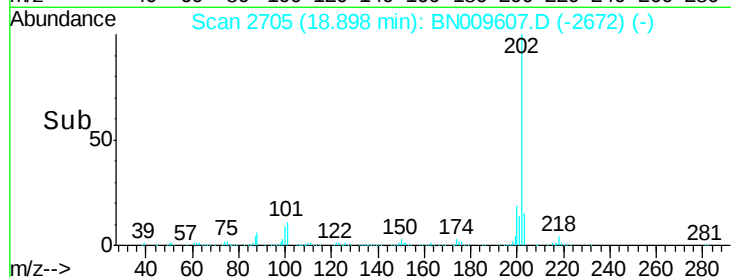
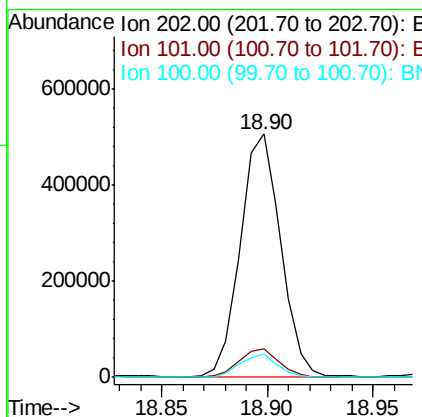
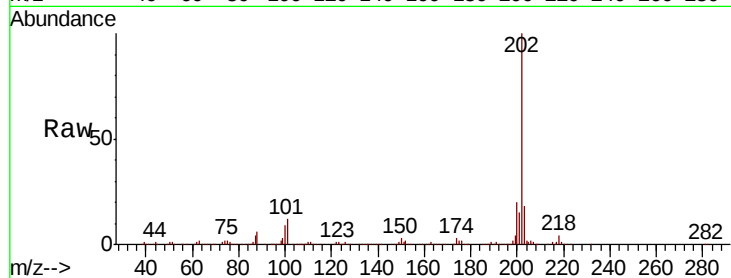
ClientSampleId :

GAT49

Tot Ion:	202	Resp:	668690
Ion Ratio	Lower	Upper	
202	100		
101	11.6	9.2	13.8
100	9.4	6.9	10.3

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#79

Pyrene

Concen: 22.511 ng/ul

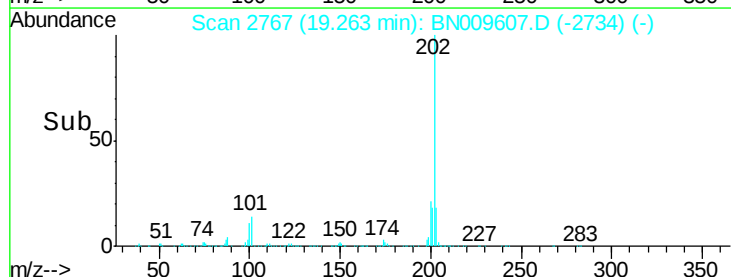
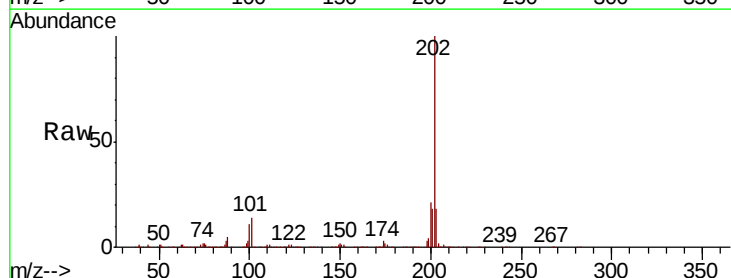
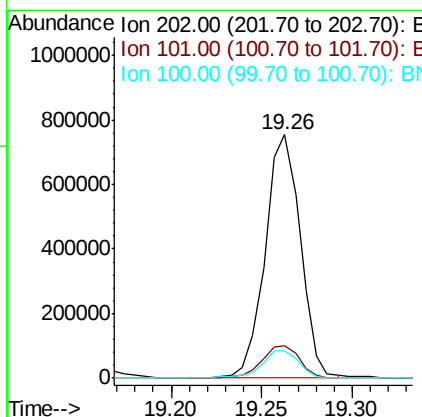
RT: 19.26 min Scan# 2767

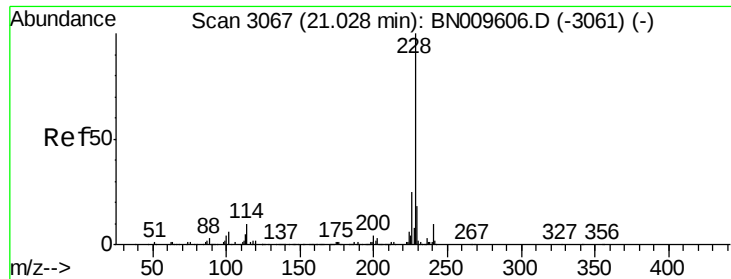
Delta R.T. -0.01 min

Lab File: BN009607.D

Acq: 06 Feb 2020 13:20

Tgt Ion:	202	Resp:	1017095
Ion Ratio	Lower	Upper	
202	100		
101	13.5	10.3	15.5
100	11.2	8.4	12.6





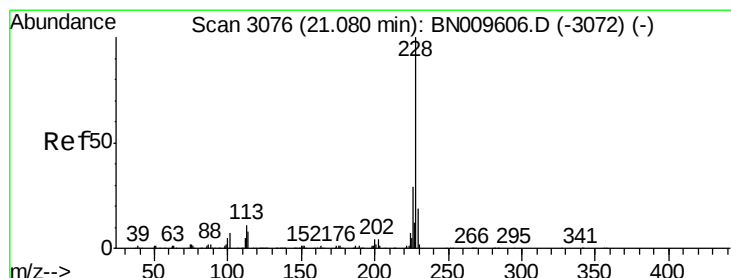
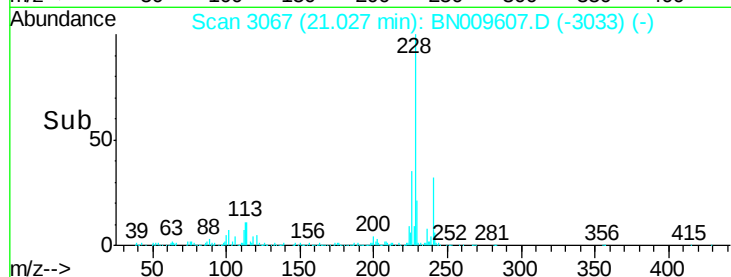
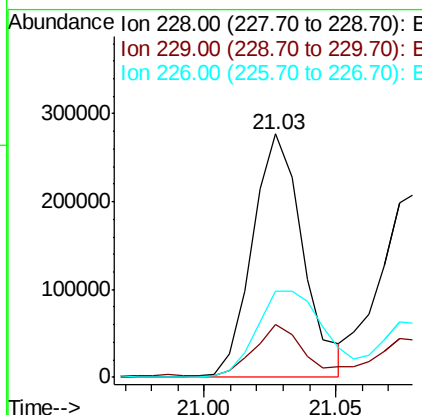
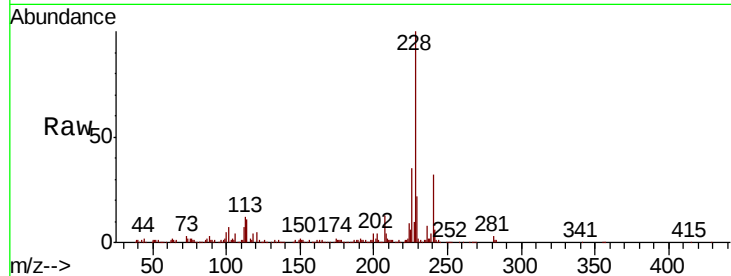
#82
Benzo(a)anthracene
Concen: 8.537 ng/ul m
RT: 21.03 min Scan# 3067
Delta R.T. -0.00 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Instrument :
BNA_N
ClientSampleId :
GAT49

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.0	22.4
226	35.2	20.9	31.3

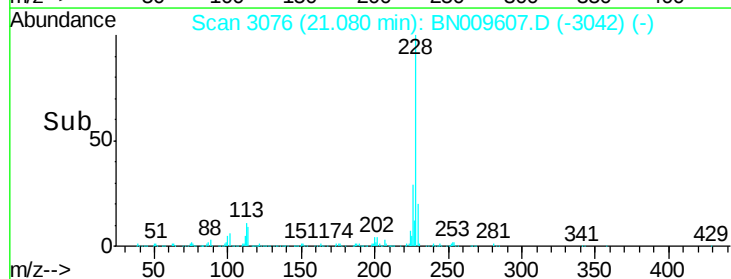
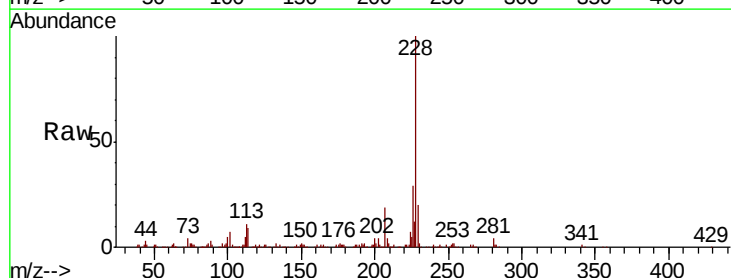
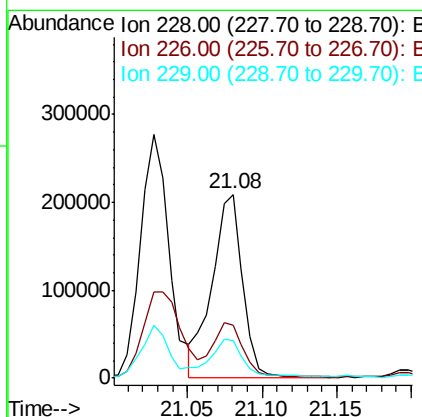
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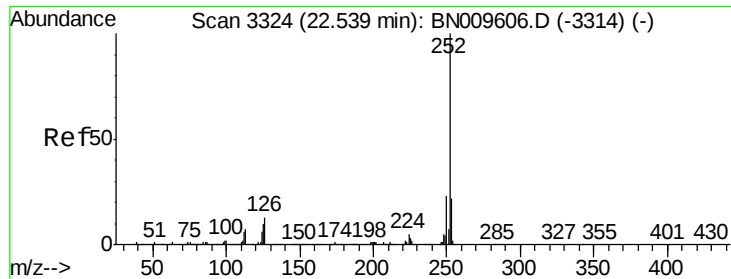
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#84
Chrysene
Concen: 6.966 ng/ul
RT: 21.08 min Scan# 3076
Delta R.T. -0.00 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.5	35.3
229	20.3	15.8	23.8





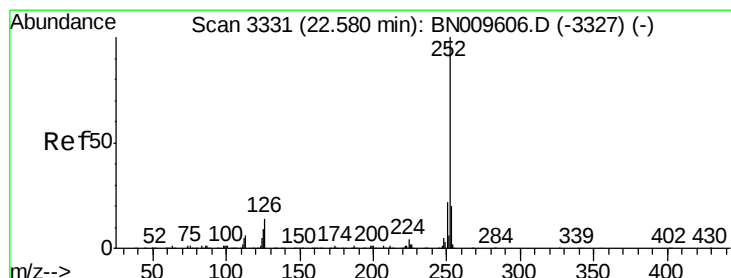
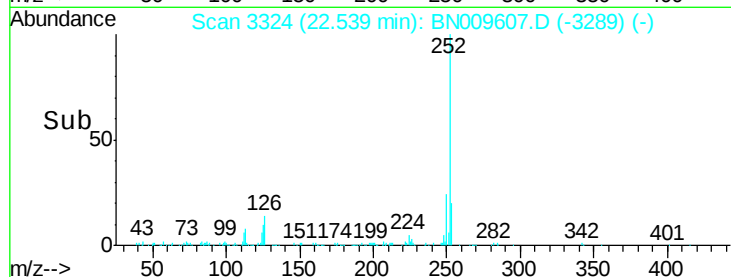
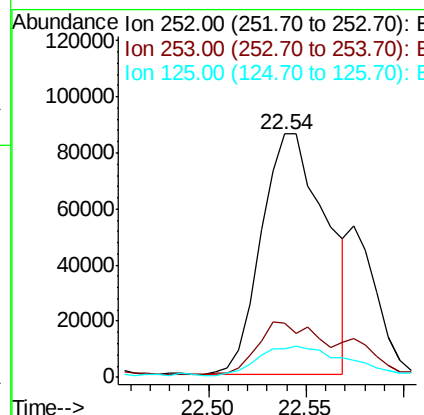
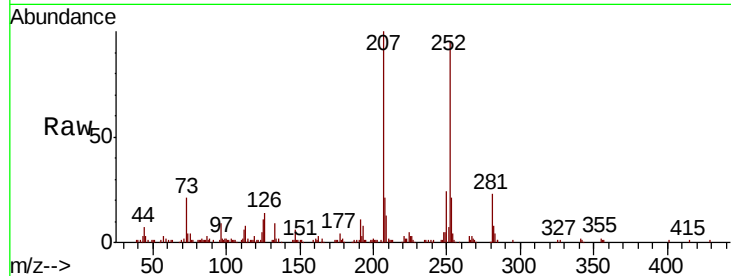
#87
Benzo(b)fluoranthene
Concen: 4.813 ng/ul
RT: 22.54 min Scan# 3324
Delta R.T. 0.01 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Instrument :
BNA_N
ClientSampled :
GAT49

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	11.7	8.2	12.2

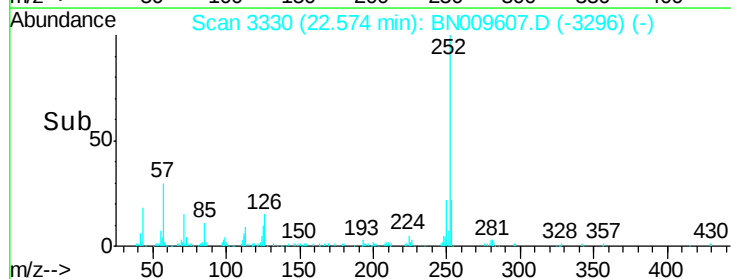
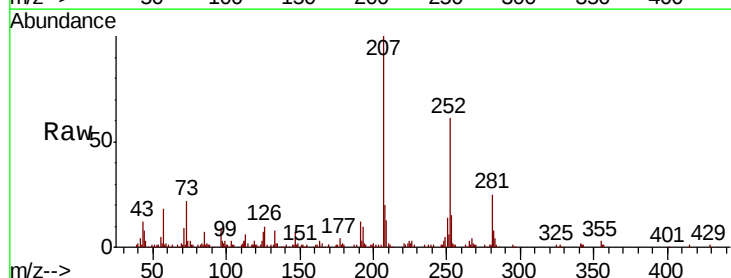
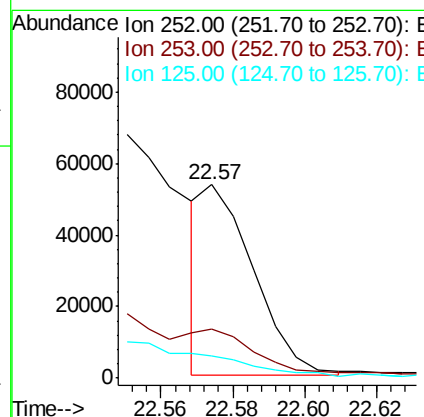
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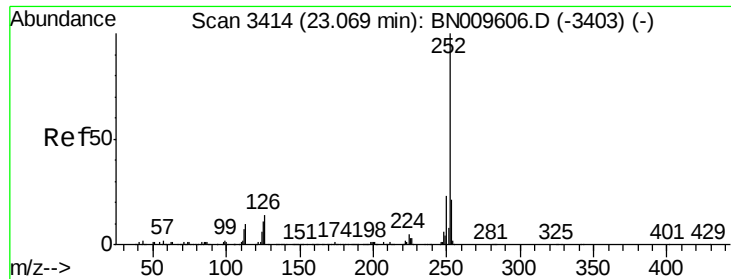
mohammad
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#88
Benzo(k)fluoranthene
Concen: 1.289 ng/ul m
RT: 22.57 min Scan# 3330
Delta R.T. -0.00 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.0	25.4#
125	11.2	8.0	12.0





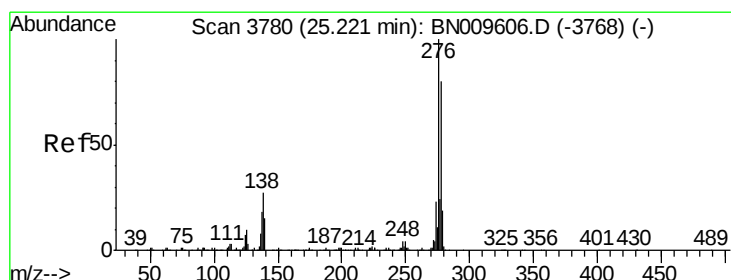
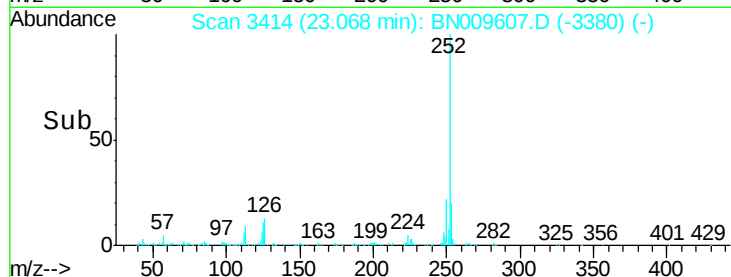
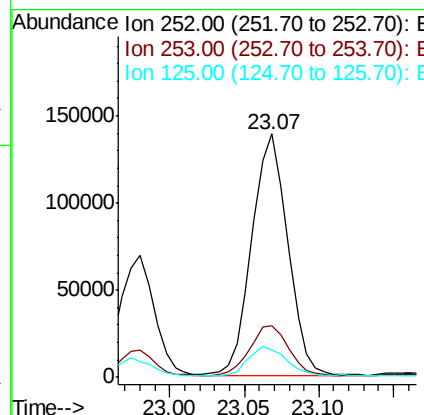
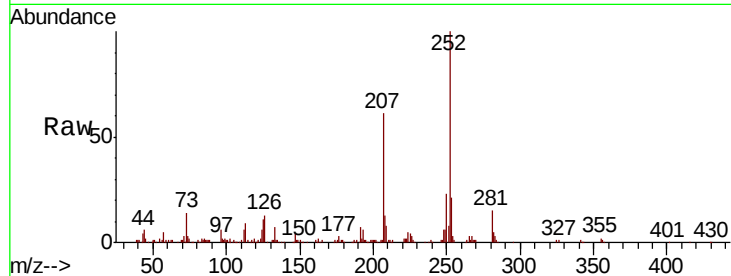
#90
Benzo(a)pyrene
Concen: 6.054 ng/ul
RT: 23.07 min Scan# 3414
Delta R.T. -0.00 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Instrument :
BNA_N
ClientSampled :
GAT49

Tot Ion:	252	Resp:	230556
Ion Ratio	Lower	Upper	
252	100		
253	21.2	15.8	23.8
125	11.4	8.7	13.1

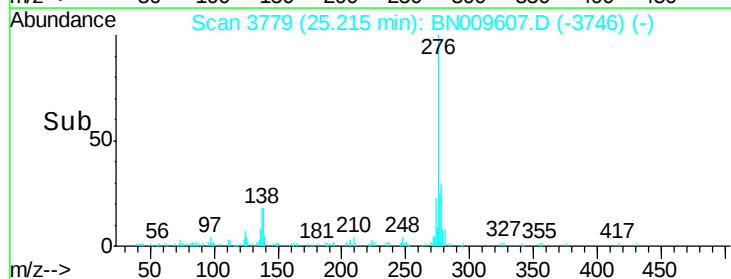
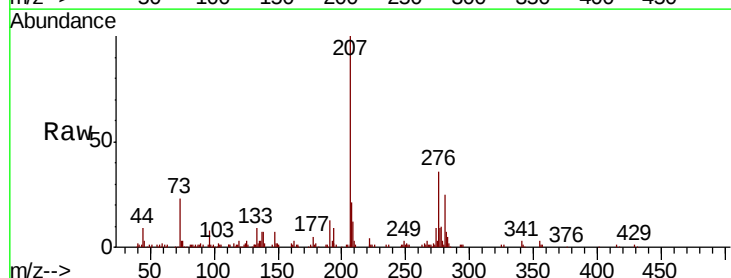
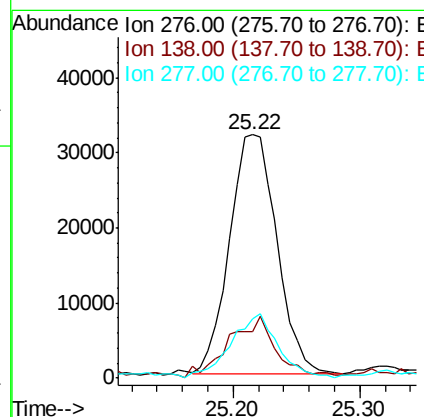
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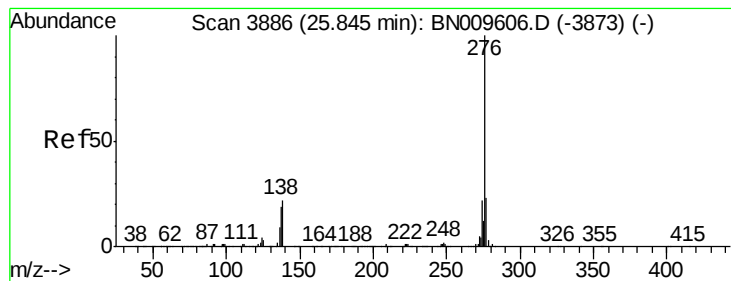
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#91
Indeno(1,2,3-cd)pyrene
Concen: 1.819 ng/ul
RT: 25.22 min Scan# 3779
Delta R.T. -0.01 min
Lab File: BN009607.D
Acq: 06 Feb 2020 13:20

Tgt Ion:	276	Resp:	82362
Ion Ratio	Lower	Upper	
276	100		
138	19.3	20.3	30.5#
277	24.3	21.2	31.8





#93

Benzo(a,h,i)perylene

Concen: 2.153 ng/ul

RT: 25.84 min Scan# 3886

Delta R.T. -0.01 min

Lab File: BN009607.D

Acq: 06 Feb 2020 13:20

Instrument :

BNA_N

ClientSampleId :

GAT49

Tot Ion:	276	Resp:	81684
Ion Ratio	Lower	Upper	
276	100		
138	23.5	16.0	24.0
277	22.4	17.0	25.6

Manual Integrations
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