

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009636.D
 Acq On : 07 Feb 2020 07:47
 Operator : CG/JU
 Sample : L1324-15 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT70

Manual Integrations
 APPROVED

mohammad
 2/10/2020 8:20:24 AM

Quant Time: Feb 07 14:57:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 07 11:12:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	210760	20.00	ng/ul	0.00
18) Naphthalene-d8	10.20	136	854822	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.07	164	536111	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	1011034	20.00	ng/ul	0.00
77) Chrysene-d12	21.06	240	880608	20.00	ng/ul	0.02
85) Perylene-d12	23.17	264	987580	20.00	ng/ul	0.02

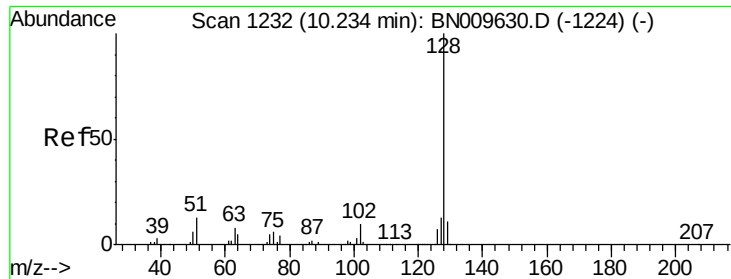
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	840m	0.16	ng/uL	0.02
5) Phenol-d5	6.64	99	28528	1.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	24534	1.99	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	21821	1.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	24499	1.67	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	15191	2.39	ng/ul	0.01
22) 2-Nitrophenol-d4	9.29	143	12421	1.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.83	165	22256	1.67	ng/ul	0.02
29) 4-Chloroaniline-d4	10.35	131	5025	0.35	ng/ul	0.01
43) Dimethylphthalate-d6	13.50	166	87763	2.24	ng/ul	0.00
46) Acenaphthylene-d8	13.77	160	90664	1.92	ng/ul	0.01
51) 4-Nitrophenol-d4	14.33	143	7905	1.07	ng/ul	0.02
57) Fluorene-d10	15.08	176	68416	1.99	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.25	200	4047m	0.64	ng/ul	0.03
70) Anthracene-d10	16.94	188	100639m	2.19	ng/ul	0.01
78) Pyrene-d10	19.25	212	103905	2.24	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.04	264	98092	2.02	ng/ul	0.02

Target Compounds

					Ovalue
28) Naphthalene	10.25	128	38651844m	833.800	ng/ul
34) 2-Methylnaphthalene	11.89	142	21730369	669.849	ng/ul 91
40) 1,1'-Biphenyl	12.90	154	3783705	90.647	ng/ul 99
47) Acenaphthylene	13.80	152	15818407	305.673	ng/ul 96
49) Acenaphthene	14.14	153	1397977	39.738	ng/ul 100
53) Dibenzofuran	14.48	168	1427781	29.145	ng/ul 93
58) Fluorene	15.15	166	9849139	240.566	ng/ul 100
69) Phenanthrene	16.89	178	26080296m	452.326	ng/ul
71) Anthracene	16.98	178	8543607	146.036	ng/ul 99
74) Carbazole	17.24	167	359150	7.051	ng/ul 96
76) Fluoranthene	18.92	202	15337260m	233.066	ng/ul
79) Pyrene	19.28	202	19453434m	302.615	ng/ul
82) Benzo(a)anthracene	21.05	228	8089311	133.045	ng/ul# 82
84) Chrysene	21.10	228	6857076	113.285	ng/ul 95
87) Benzo(b)fluoranthene	22.56	252	5920321	95.816	ng/ul 98
88) Benzo(k)fluoranthene	22.59	252	1241219m	20.398	ng/ul
90) Benzo(a)pyrene	23.10	252	6045266	105.599	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.25	276	2480340	36.442	ng/ul 94
92) Dibenzo(a,h)anthracene	25.24	278	766117	13.372	ng/ul# 84
93) Benzo(g,h,i)perylene	25.88	276	2597928	45.544	ng/ul 97

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



#28

Naphthalene

Concen: 833.800 ng/ul m

RT: 10.25 min Scan# 1234

Delta R.T. 0.01 min

Lab File: BN009636.D

Acq: 07 Feb 2020 07:47

Instrument :

BNA_N

ClientSampleId :

GAT70

Tot Ion:128 Resp:38651844

Ion Ratio Lower Upper

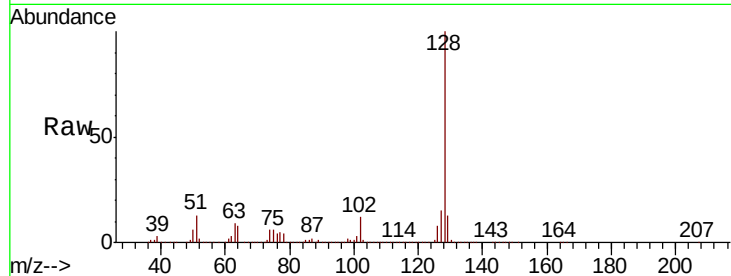
128 100

129 12.9 8.7 13.1

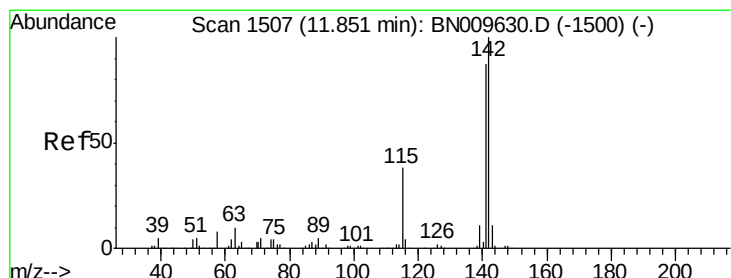
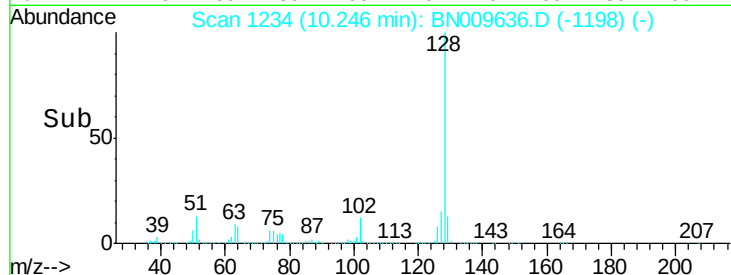
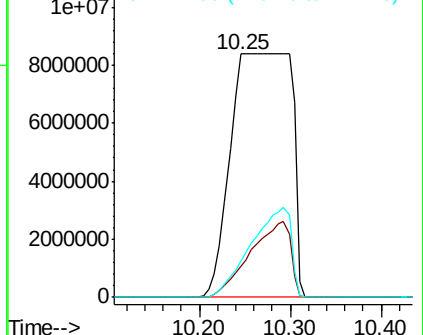
127 14.9 10.7 16.1

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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



#34

2-Methylnaphthalene

Concen: 669.849 ng/ul

RT: 11.89 min Scan# 1513

Delta R.T. 0.04 min

Lab File: BN009636.D

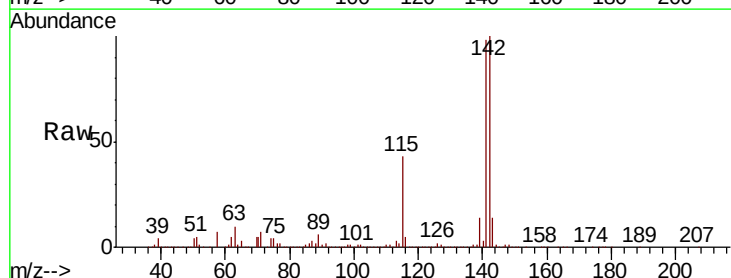
Acq: 07 Feb 2020 07:47

Tgt Ion:142 Resp:21730369

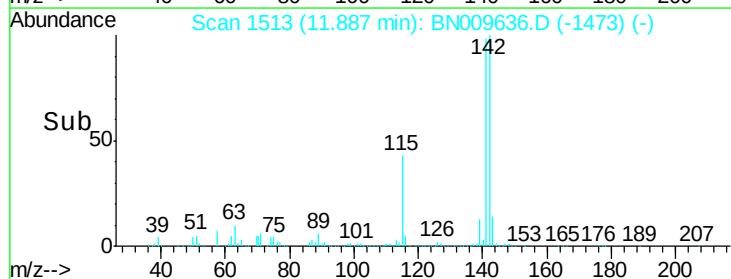
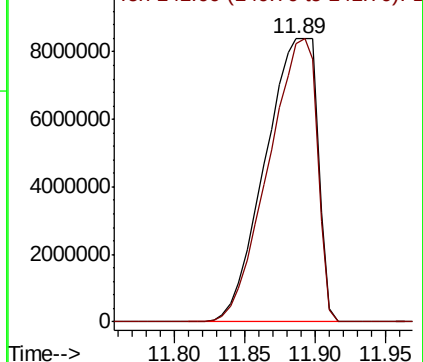
Ion Ratio Lower Upper

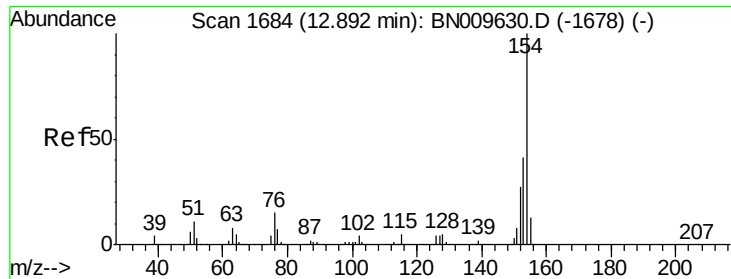
142 100

141 98.3 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 90.647 ng/ul

RT: 12.90 min Scan# 1685

Delta R.T. 0.01 min

Lab File: BN009636.D

Acq: 07 Feb 2020 07:47

Instrument :

BNA_N

ClientSampleId :

GAT70

Tot Ion:154 Resp: 3783705

Ion	Ratio	Lower	Upper
154	100		
153	39.5	31.2	46.8
76	14.2	11.4	17.2

154 100

153 39.5 31.2 46.8

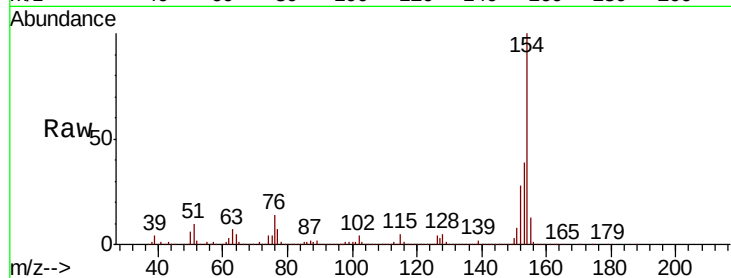
76 14.2 11.4 17.2

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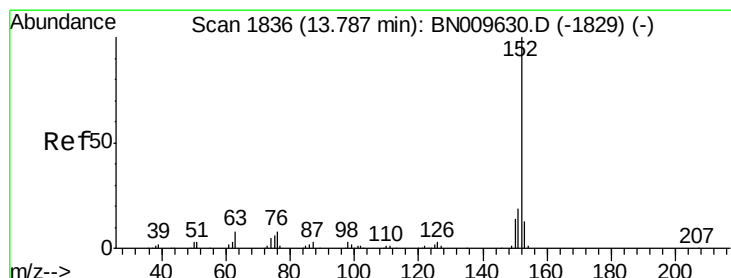
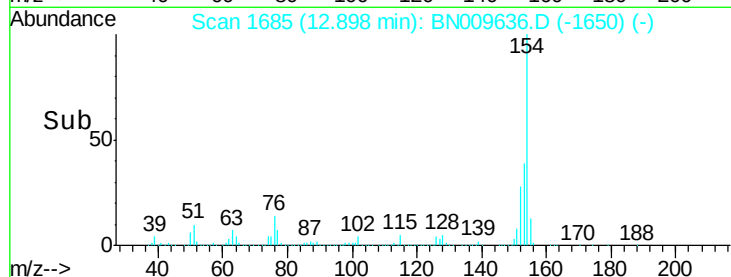
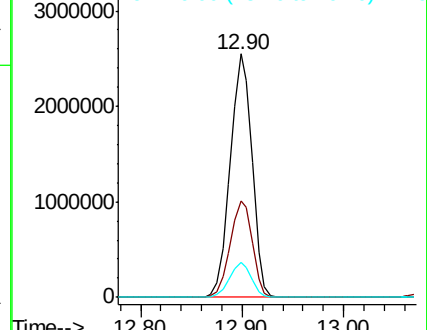


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC



#47

Acenaphthylene

Concen: 305.673 ng/ul

RT: 13.80 min Scan# 1839

Delta R.T. 0.02 min

Lab File: BN009636.D

Acq: 07 Feb 2020 07:47

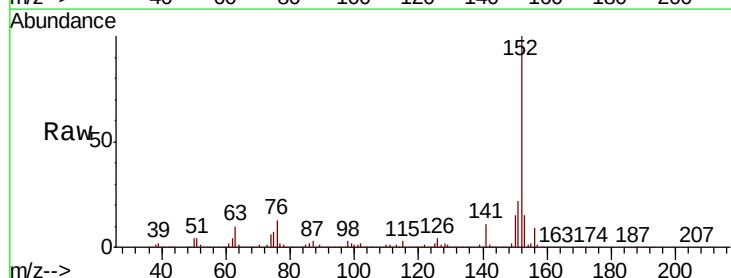
Tgt Ion:152 Resp:15818407

Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.2	24.2
153	15.3	10.6	15.8

152 100

151 21.6 16.2 24.2

153 15.3 10.6 15.8

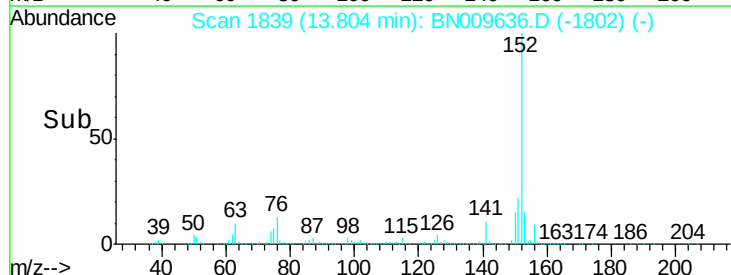
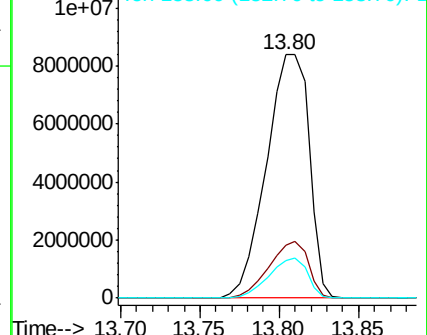


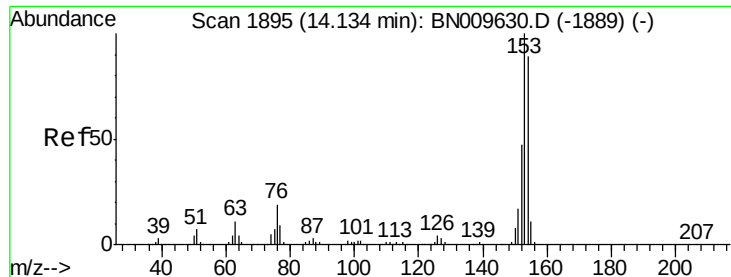
Abundance

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





#49

Acenaphthene

Concen: 39.738 ng/ul

RT: 14.14 min Scan# 1896

Delta R.T. 0.01 min

Lab File: BN009636.D

Acq: 07 Feb 2020 07:47

Instrument :

BNA_N

ClientSampleId :

GAT70

Tot Ion:153 Resp: 1397977

Ion Ratio Lower Upper

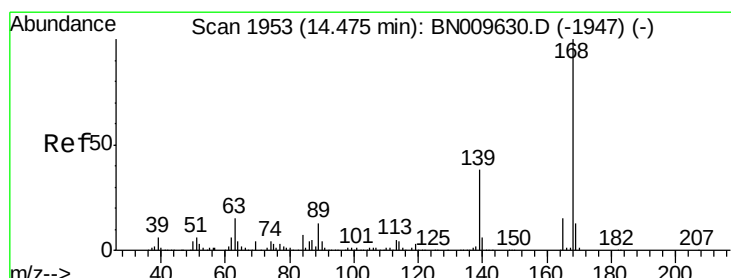
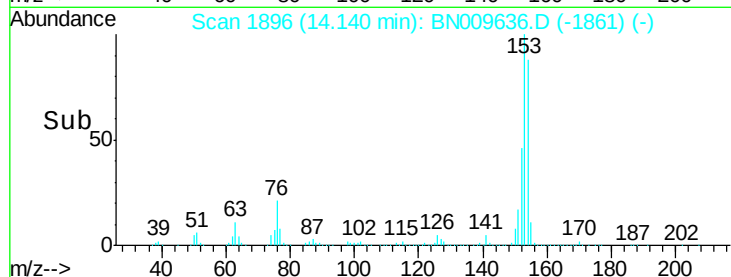
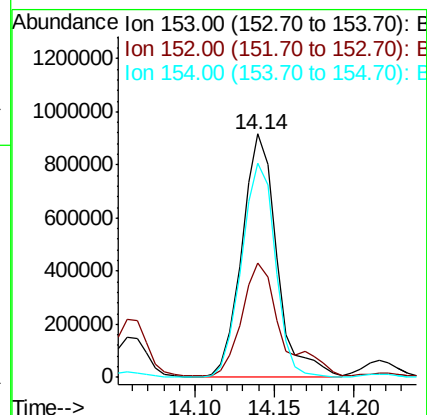
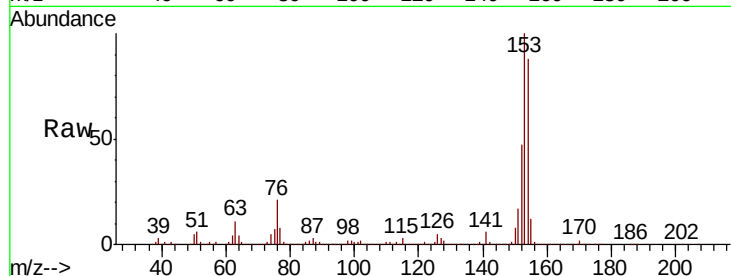
153 100

152 46.8 37.3 55.9

154 87.9 70.2 105.2

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#53

Dibenzofuran

Concen: 29.145 ng/ul

RT: 14.48 min Scan# 1954

Delta R.T. 0.01 min

Lab File: BN009636.D

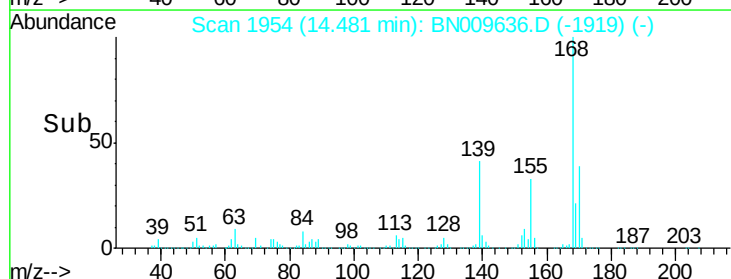
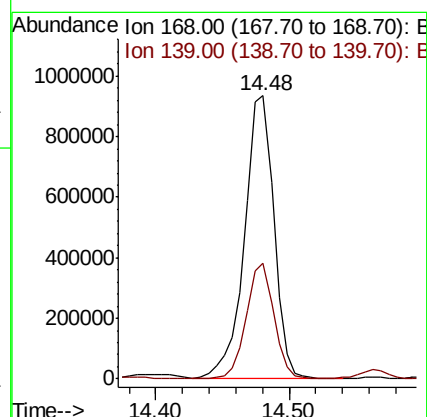
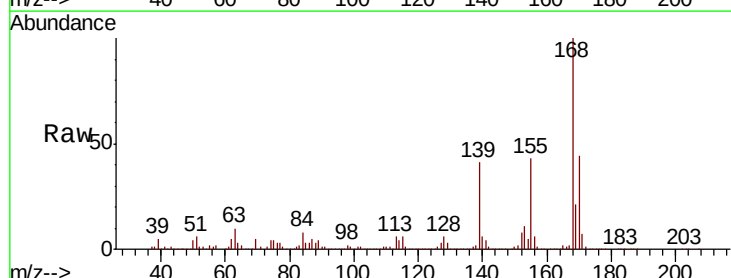
Acq: 07 Feb 2020 07:47

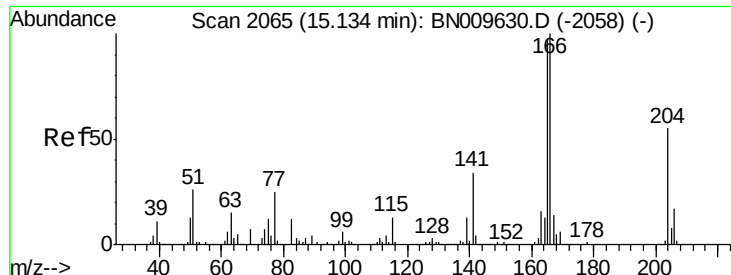
Tgt Ion:168 Resp: 1427781

Ion Ratio Lower Upper

168 100

139 41.1 29.5 44.3





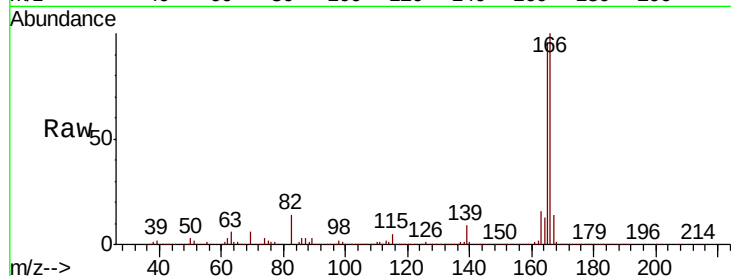
#58
 Fluorene
 Concen: 240.566 ng/ul
 RT: 15.15 min Scan# 2068
 Delta R.T. 0.02 min
 Lab File: BN009636.D
 Acq: 07 Feb 2020 07:47

Instrument :
 BNA_N
 ClientSampleId :
 GAT70

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.3	76.7	115.1
167	13.8	11.1	16.7

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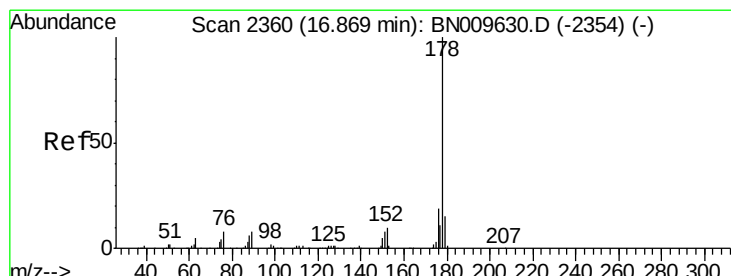
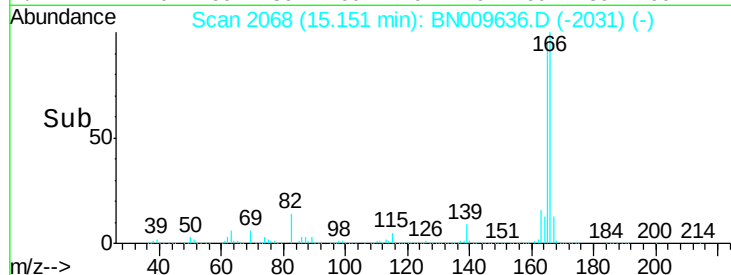
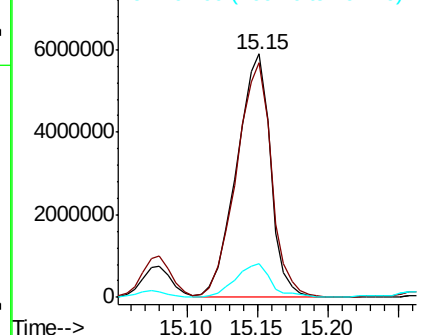


Abundance

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: 452.326 ng/ul m
 RT: 16.89 min Scan# 2363
 Delta R.T. 0.02 min
 Lab File: BN009636.D
 Acq: 07 Feb 2020 07:47

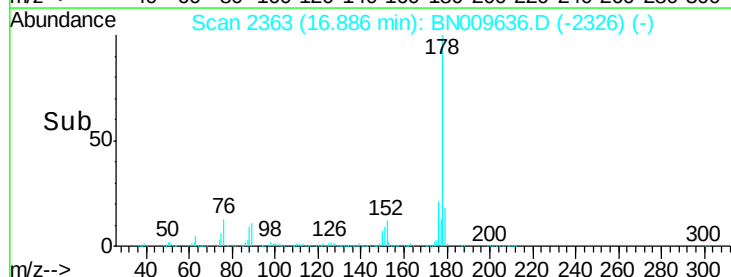
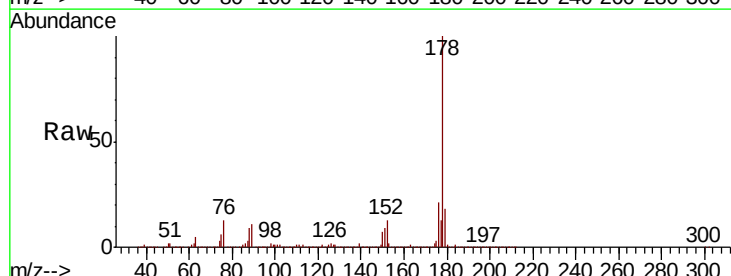
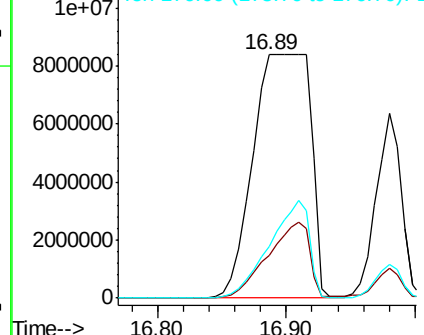
Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.7	12.2	18.2
176	21.3	14.8	22.2

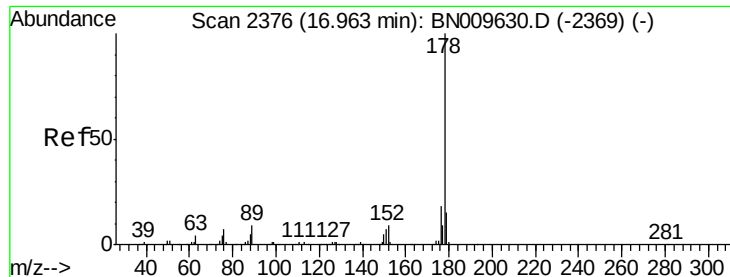
Abundance

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: 146.036 ng/ul
 RT: 16.98 min Scan# 2379
 Delta R.T. 0.02 min
 Lab File: BN009636.D
 Acq: 07 Feb 2020 07:47

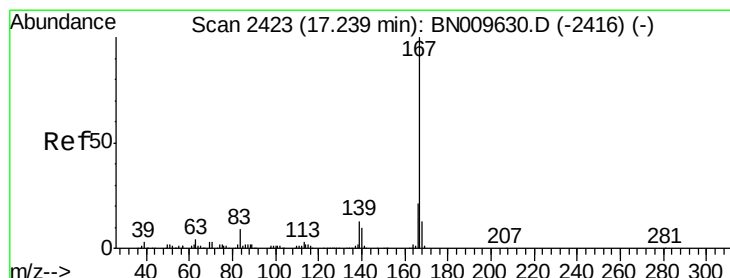
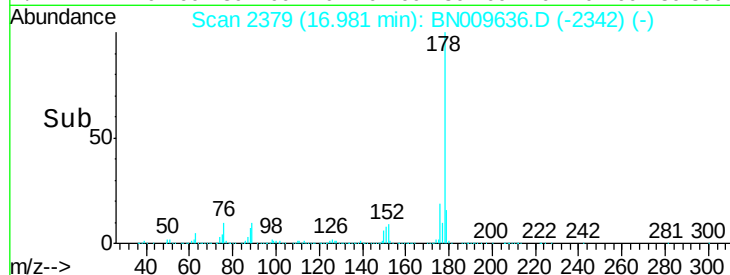
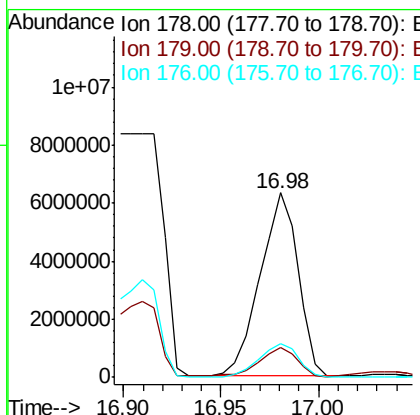
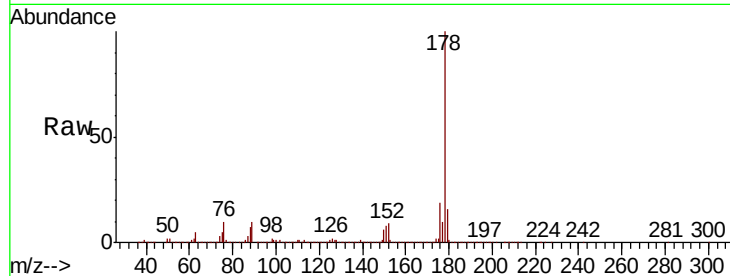
Instrument :
 BNA_N
 ClientSampleID :
 GAT70

Tot Ion:178 Resp: 8543607

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.1	18.1
176	18.5	14.6	21.8

Manual Integrations
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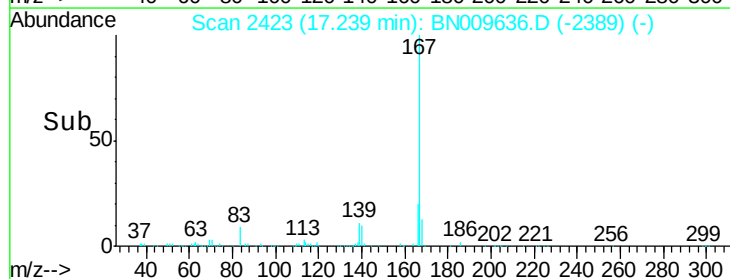
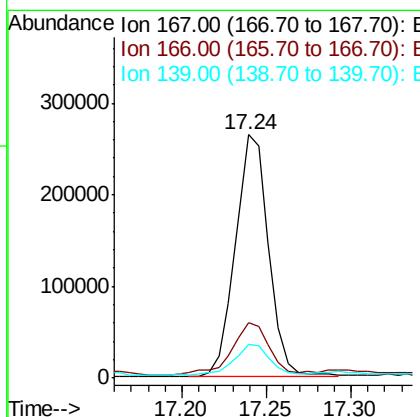
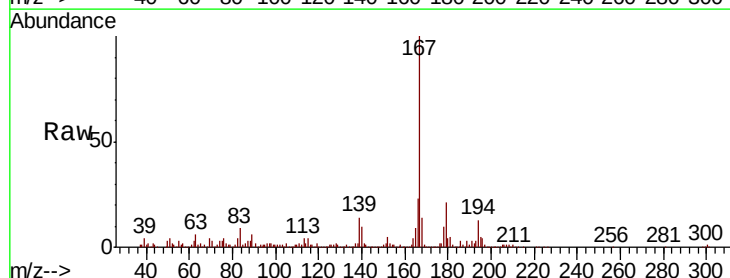
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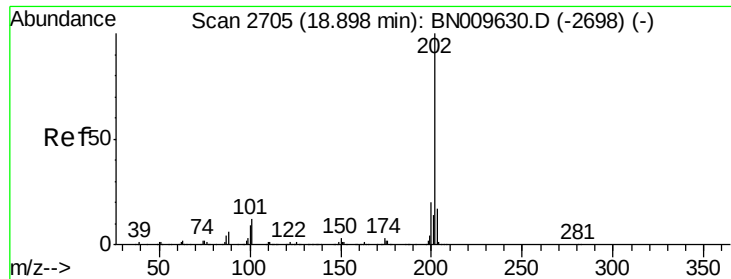


#74
 Carbazole
 Concen: 7.051 ng/ul
 RT: 17.24 min Scan# 2423
 Delta R.T. 0.00 min
 Lab File: BN009636.D
 Acq: 07 Feb 2020 07:47

Tgt Ion:167 Resp: 359150

Ion	Ratio	Lower	Upper
167	100		
166	22.8	16.2	24.4
139	13.9	10.4	15.6





#76

Fluoranthene

Concen: 233.066 ng/ul m

RT: 18.92 min Scan# 2709

Delta R.T. 0.02 min

Lab File: BN009636.D

Acq: 07 Feb 2020 07:47

Instrument :

BNA_N

ClientSampleId :

GAT70

Tot Ion:202 Resp:15337260

Ion Ratio Lower Upper

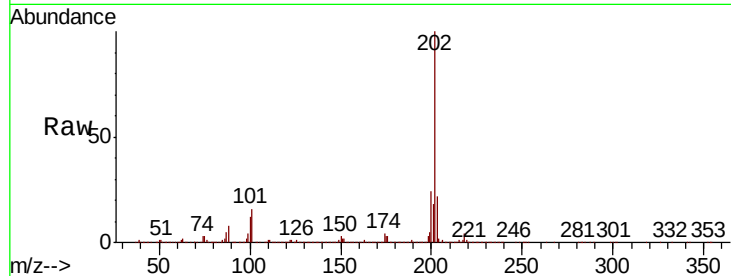
202 100

101 15.9 9.2 13.8#

100 12.2 6.9 10.3#

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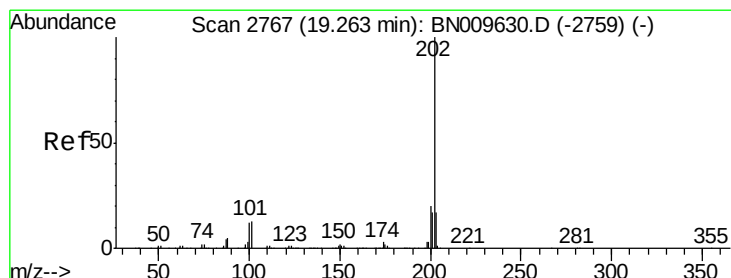
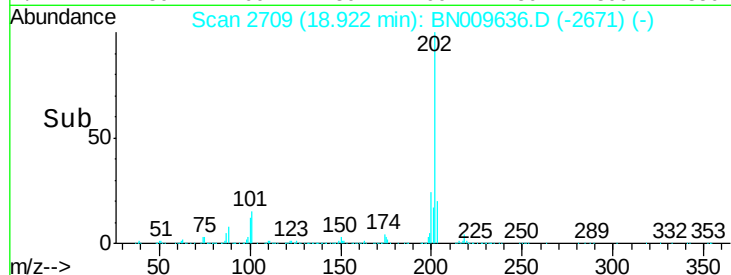
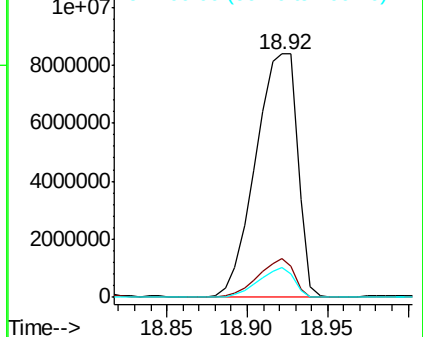
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 302.615 ng/ul m

RT: 19.28 min Scan# 2770

Delta R.T. 0.02 min

Lab File: BN009636.D

Acq: 07 Feb 2020 07:47

Tgt Ion:202 Resp:19453434

Ion Ratio Lower Upper

202 100

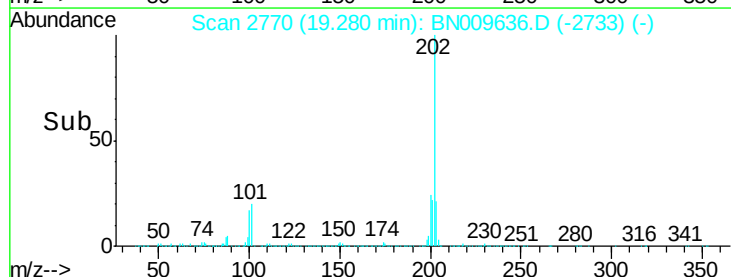
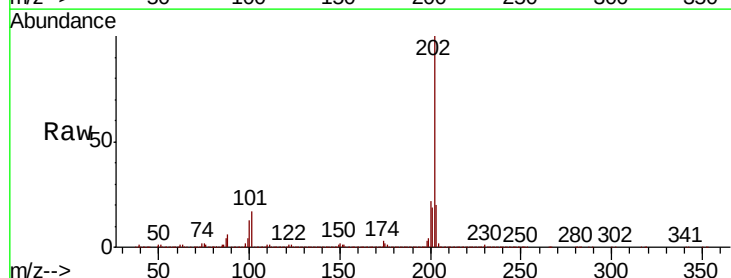
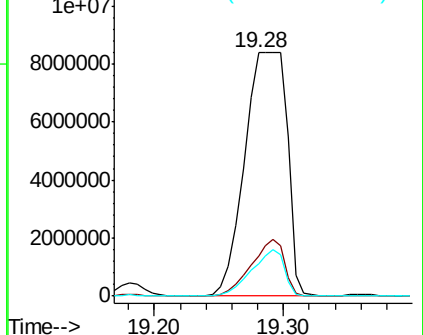
101 16.5 10.3 15.5#

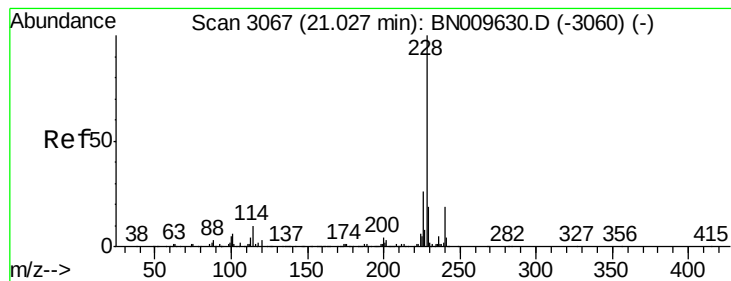
100 13.5 8.4 12.6#

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: 133.045 ng/ul

RT: 21.05 min Scan# 3070

Delta R.T. 0.02 min

Lab File: BN009636.D

Acq: 07 Feb 2020 07:47

Instrument :

BNA_N

ClientSampleId :

GAT70

Tot Ion:228 Resp: 8089311

Ion Ratio Lower Upper

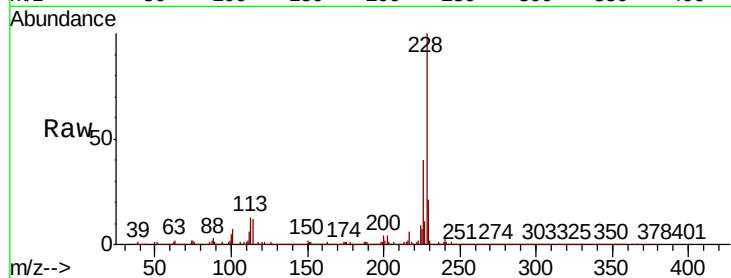
228 100

229 21.3 15.0 22.4

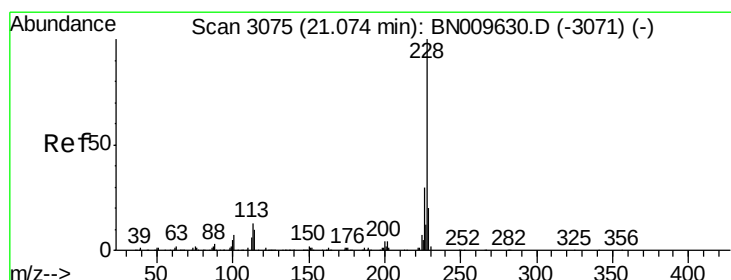
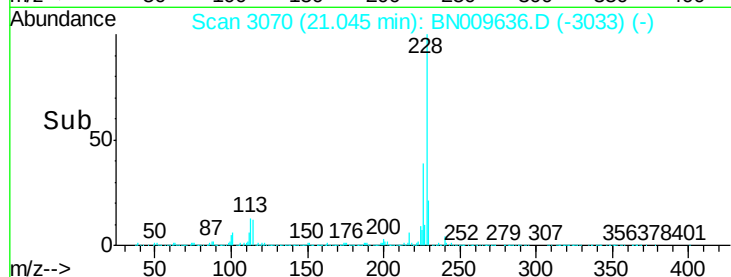
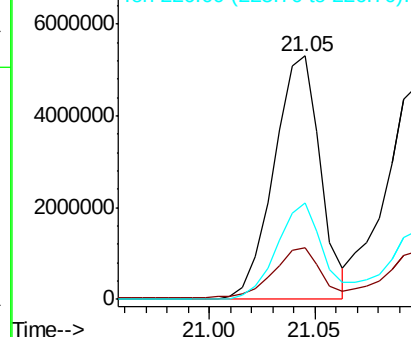
226 39.6 20.9 31.3#

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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: 113.285 ng/ul

RT: 21.10 min Scan# 3079

Delta R.T. 0.02 min

Lab File: BN009636.D

Acq: 07 Feb 2020 07:47

Tgt Ion:228 Resp: 6857076

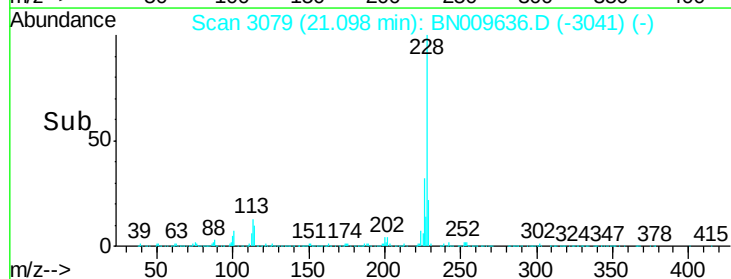
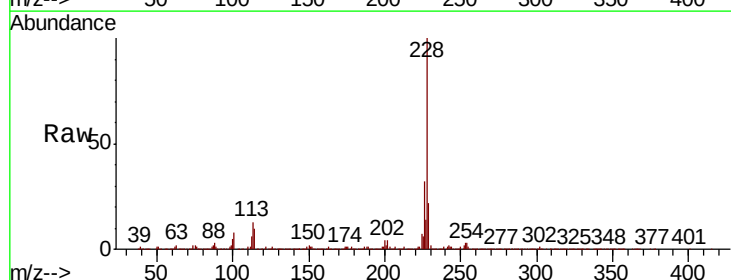
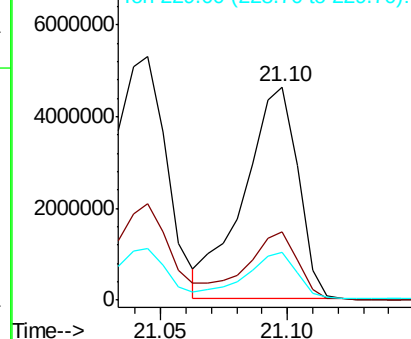
Ion Ratio Lower Upper

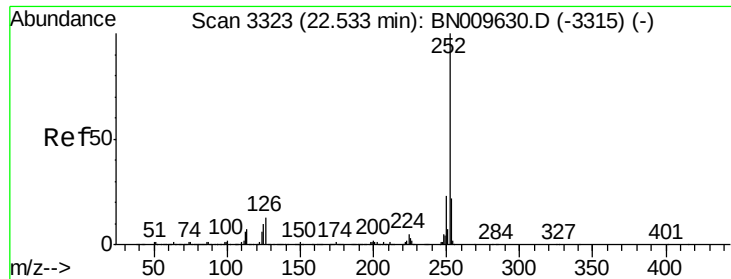
228 100

226 31.9 23.5 35.3

229 22.2 15.8 23.8

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





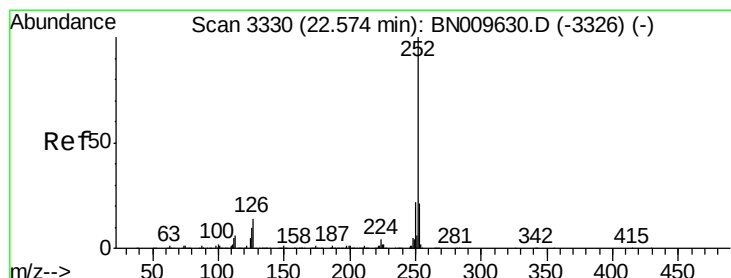
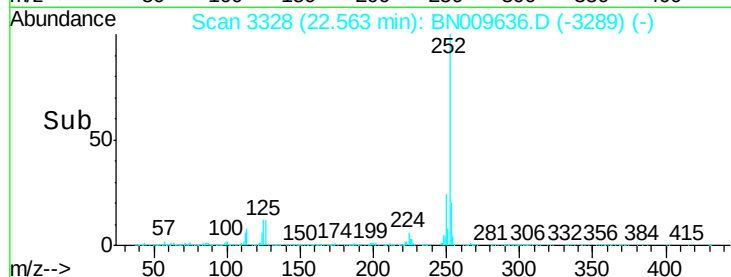
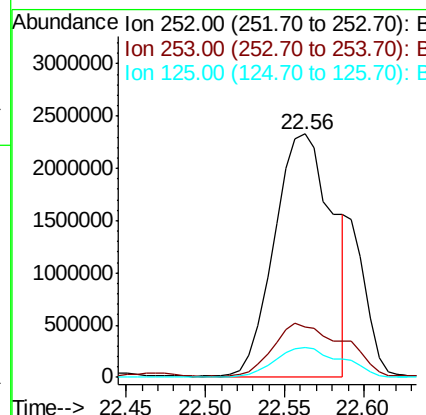
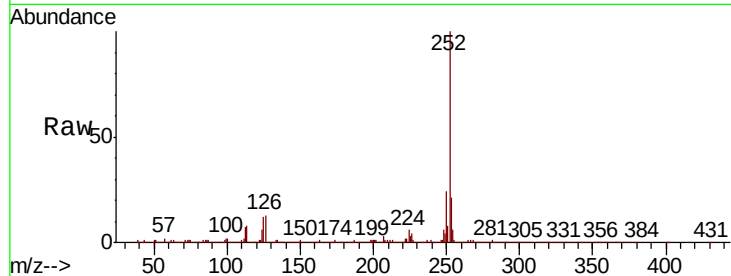
#87
Benzo(b)fluoranthene
Concen: 95.816 ng/ul
RT: 22.56 min Scan# 3328
Delta R.T. 0.03 min
Lab File: BN009636.D
Acq: 07 Feb 2020 07:47

Instrument :
BNA_N
ClientSampleId :
GAT70

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.0	25.6
125	12.2	8.2	12.2

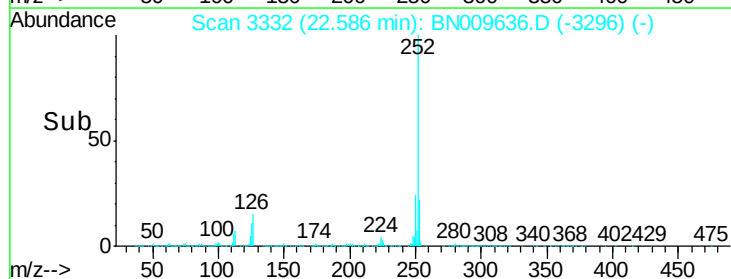
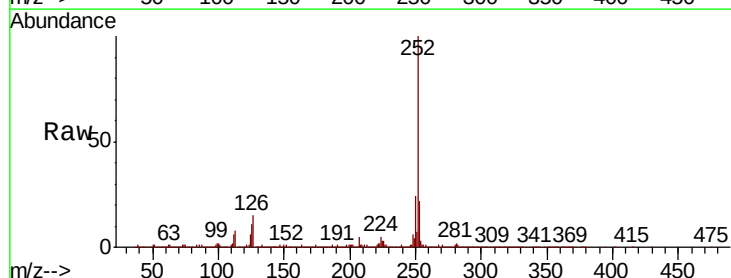
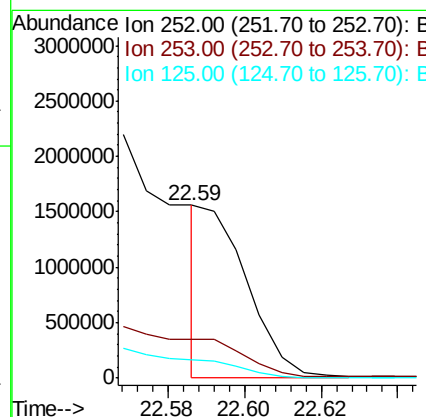
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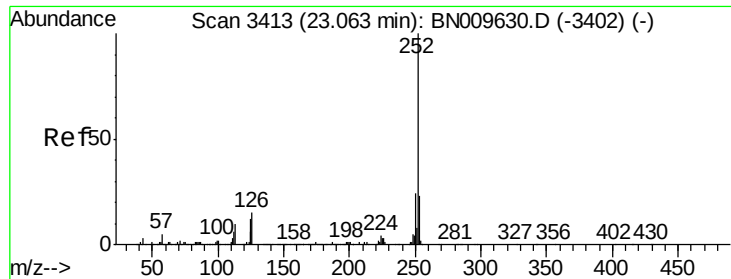
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#88
Benzo(k)fluoranthene
Concen: 20.398 ng/ul m
RT: 22.59 min Scan# 3332
Delta R.T. 0.01 min
Lab File: BN009636.D
Acq: 07 Feb 2020 07:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.4
125	10.9	8.0	12.0





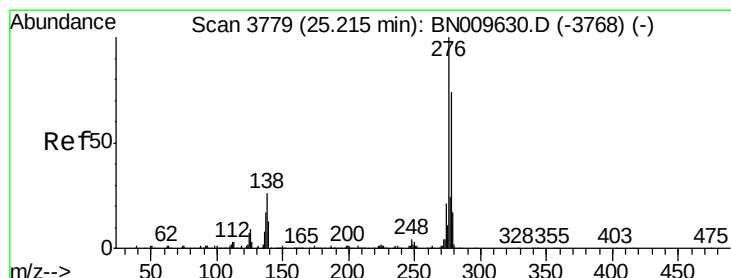
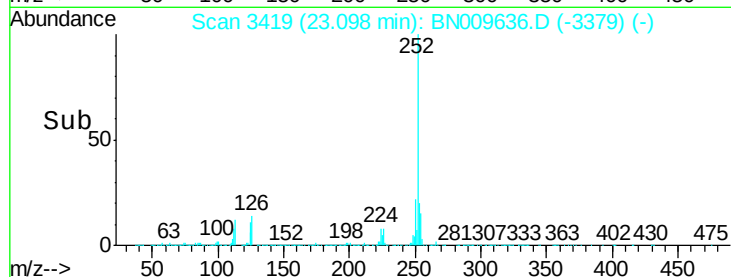
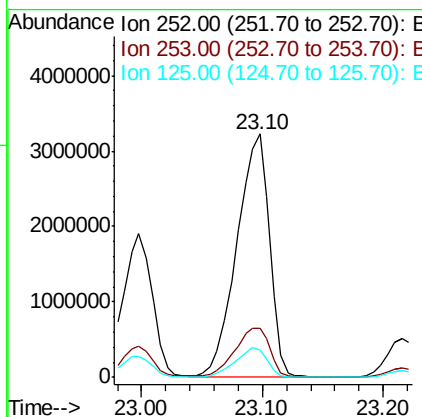
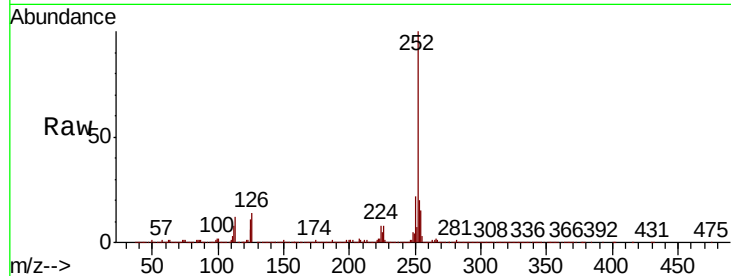
#90
Benzo(a)pyrene
Concen: 105.599 ng/ul
RT: 23.10 min Scan# 3419
Delta R.T. 0.04 min
Lab File: BN009636.D
Acq: 07 Feb 2020 07:47

Instrument :
BNA_N
ClientSampled :
GAT70

Tot Ion:252 Resp: 6045266
Ion Ratio Lower Upper
252 100
253 20.4 15.8 23.8
125 11.3 8.7 13.1

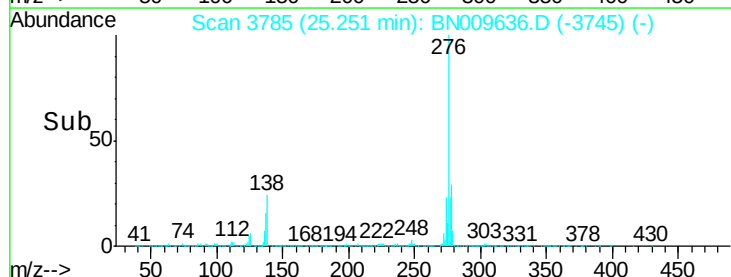
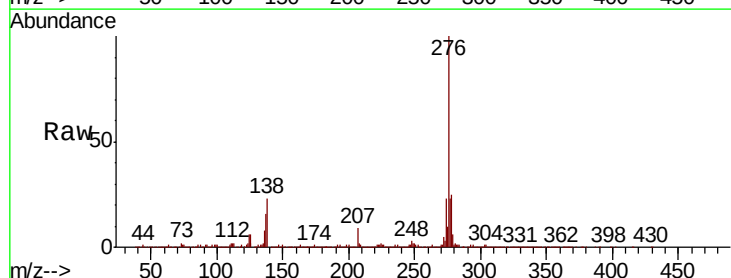
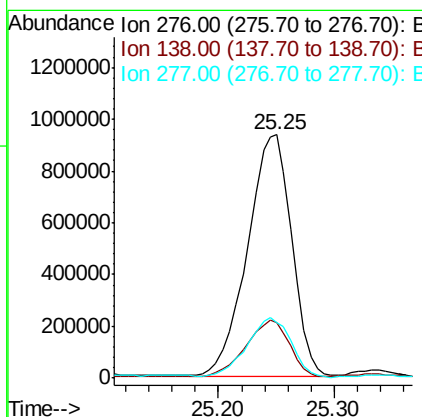
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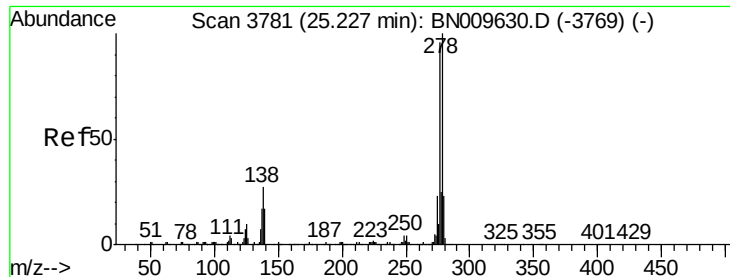
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#91
Indeno(1,2,3-cd)pyrene
Concen: 36.442 ng/ul
RT: 25.25 min Scan# 3785
Delta R.T. 0.04 min
Lab File: BN009636.D
Acq: 07 Feb 2020 07:47

Tgt Ion:276 Resp: 2480340
Ion Ratio Lower Upper
276 100
138 22.7 20.3 30.5
277 22.9 21.2 31.8





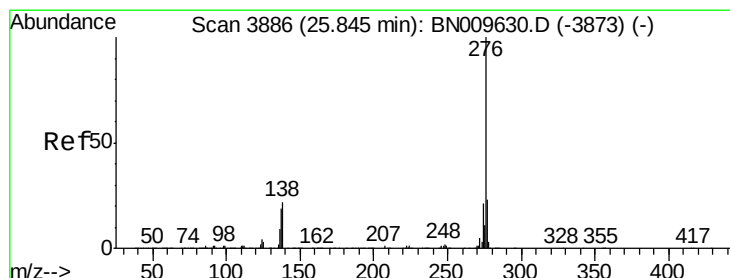
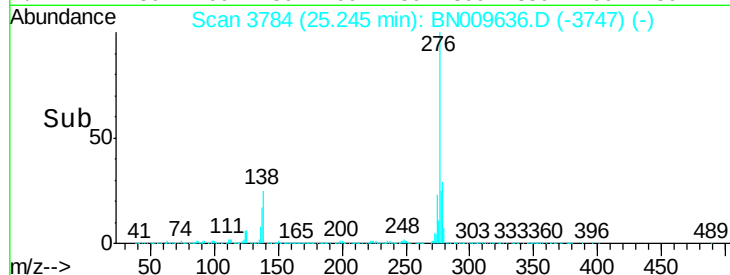
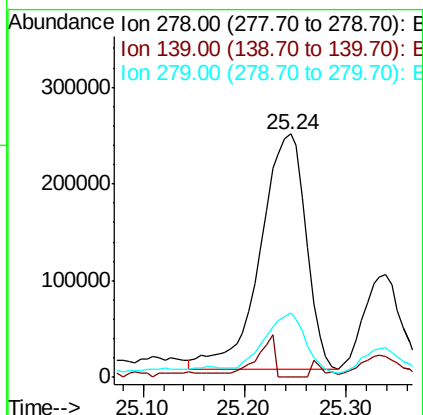
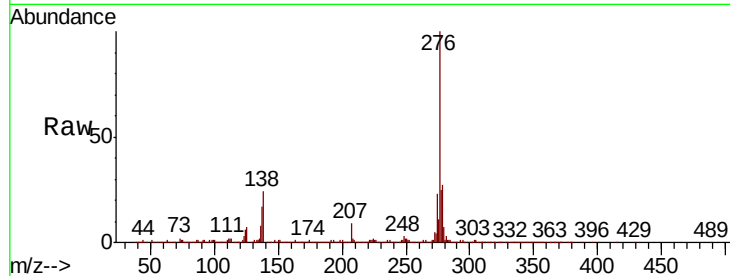
#92
Dibenzo(a,h)anthracene
Concen: 13.372 ng/ul
RT: 25.24 min Scan# 3784
Delta R.T. 0.02 min
Lab File: BN009636.D
Acq: 07 Feb 2020 07:47

Instrument :
BNA_N
ClientSampleId :
GAT70

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	26.3	19.8	29.8

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#93
Benzo(g,h,i)perylene
Concen: 45.544 ng/ul
RT: 25.88 min Scan# 3892
Delta R.T. 0.04 min
Lab File: BN009636.D
Acq: 07 Feb 2020 07:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	16.0	24.0
277	22.9	17.0	25.6

