

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009632.D
 Acq On : 07 Feb 2020 05:23
 Operator : CG/JU
 Sample : L1324-04 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT61

Manual Integrations
 APPROVED

mohammad
 2/10/2020 8:20:16 AM

Quant Time: Feb 07 14:42:35 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	239378	20.00	ng/ul	0.00
18) Naphthalene-d8	10.21	136	993106	20.00	ng/ul	0.03
35) Acenaphthene-d10	14.07	164	648242	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.84	188	1153632	20.00	ng/ul	0.01
77) Chrysene-d12	21.06	240	1001681	20.00	ng/ul	0.02
85) Perylene-d12	23.17	264	1135410	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	565m	0.10	ng/uL	0.01
5) Phenol-d5	6.63	99	21585	1.03	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	21569	1.54	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	16290	1.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	17421	1.05	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	13223m	1.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	8548	1.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.84	165	18117	1.17	ng/ul	0.02
29) 4-Chloroaniline-d4	10.37	131	51388	3.10	ng/ul	0.04
43) Dimethylphthalate-d6	13.50	166	83107	1.76	ng/ul	0.00
46) Acenaphthylene-d8	13.77	160	66560	1.16	ng/ul	0.01
51) 4-Nitrophenol-d4	14.32	143	6549	0.73	ng/ul	0.02
57) Fluorene-d10	15.08	176	50303	1.21	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.26	200	4678m	0.65	ng/ul	0.04
70) Anthracene-d10	16.95	188	77025m	1.47	ng/ul	0.02
78) Pyrene-d10	19.25	212	75164	1.43	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.04	264	72825	1.30	ng/ul	0.02

Target Compounds

					Ovalue	
14) Acetophenone	8.25	105	198035	7.444	ng/ul	99
28) Naphthalene	10.25	128	43491291m	807.559	ng/ul	
34) 2-Methylnaphthalene	11.89	142	23508648m	623.760	ng/ul	
40) 1,1'-Biphenyl	12.90	154	6496764	128.721	ng/ul	98
47) Acenaphthylene	13.80	152	20157826m	322.149	ng/ul	
49) Acenaphthene	14.15	153	1857839	43.675	ng/ul	98
53) Dibenzofuran	14.48	168	2283413	38.548	ng/ul	98
58) Fluorene	15.15	166	12133888	245.105	ng/ul	99
69) Phenanthrene	16.89	178	32070839m	487.470	ng/ul	
71) Anthracene	16.99	178	10454690	156.613	ng/ul	98
74) Carbazole	17.25	167	436429	7.509	ng/ul	93
76) Fluoranthene	18.92	202	19818824m	263.941	ng/ul	
79) Pyrene	19.29	202	23812385m	325.650	ng/ul	
82) Benzo(a)anthracene	21.04	228	11950837	172.798	ng/ul#	80
84) Chrysene	21.10	228	10174761	147.779	ng/ul	96
87) Benzo(b)fluoranthene	22.57	252	8382465	118.001	ng/ul#	97
88) Benzo(k)fluoranthene	22.59	252	2635070m	37.666	ng/ul	
90) Benzo(a)pyrene	23.10	252	8619191	130.958	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.26	276	3937466	50.319	ng/ul	94
92) Dibenz(a,h)anthracene	25.24	278	1221999	18.553	ng/ul#	84
93) Benzo(a,h,i)perylene	25.89	276	4107089	62.626	ng/ul	94

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GAT61

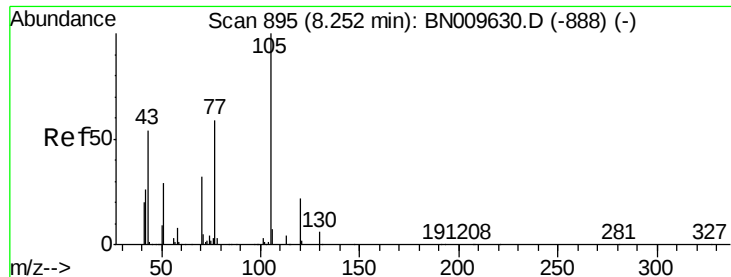
Manual Integrations
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2/10/2020 8:20:16 AM

Quant Time: Feb 07 14:42:35 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#14

Acetophenone

Concen: 7.444 ng/ul

RT: 8.25 min Scan# 895

Delta R.T. 0.00 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Instrument :

BNA_N

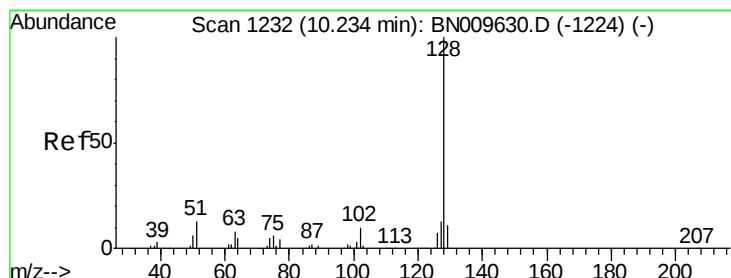
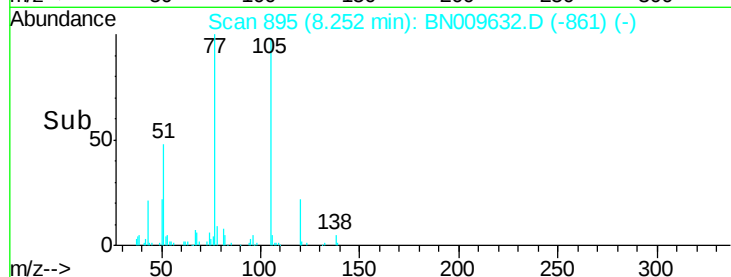
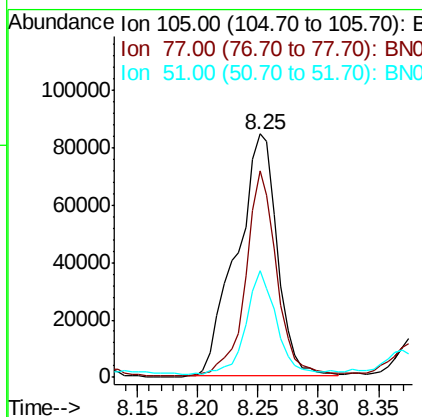
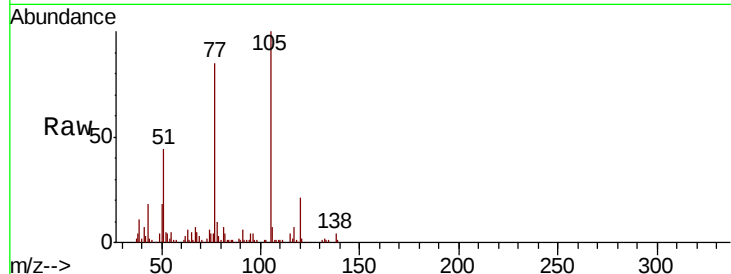
ClientSampled :

GAT61

Tot Ion:	105	Resp:	198035
Ion Ratio		Lower	Upper
105	100		
77	84.9	67.7	101.5
51	43.7	34.3	51.5

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#28

Naphthalene

Concen: 807.559 ng/ul m

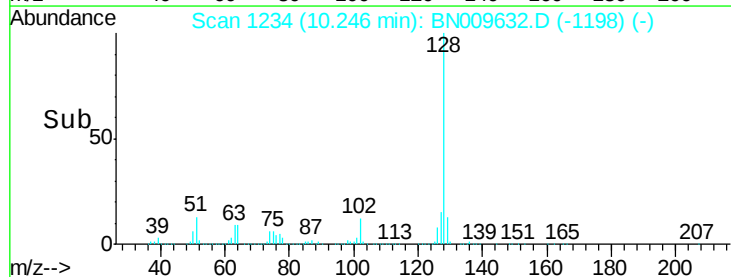
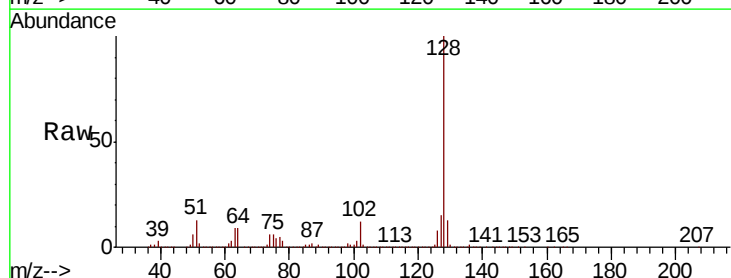
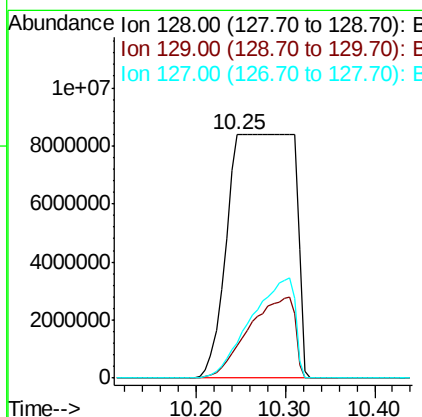
RT: 10.25 min Scan# 1234

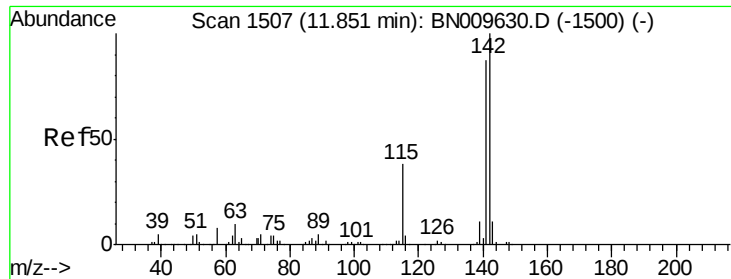
Delta R.T. 0.01 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Tgt Ion:	128	Resp:	43491291
Ion Ratio		Lower	Upper
128	100		
129	13.1	8.7	13.1
127	14.5	10.7	16.1





#34

2-Methylnaphthalene

Concen: 623.760 ng/ul m

RT: 11.89 min Scan# 1513

Delta R.T. 0.04 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Instrument :

BNA_N

ClientSampleId :

GAT61

Tot Ion:142 Resp:23508648

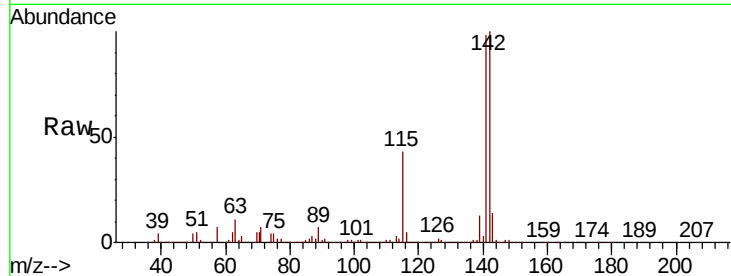
Ion Ratio Lower Upper

142 100

141 97.8 71.5 107.3

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

8000000

6000000

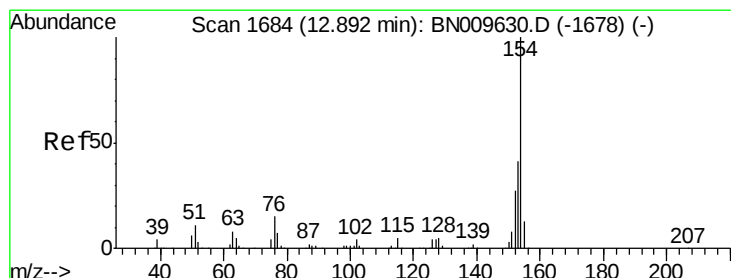
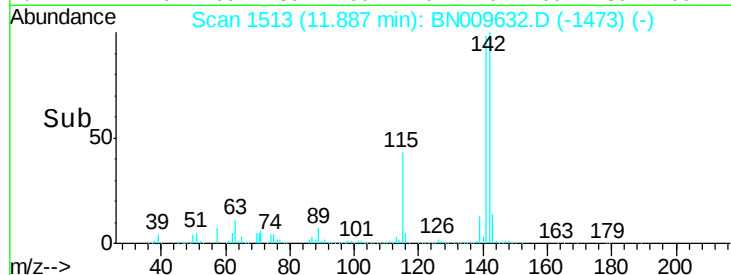
4000000

2000000

0

11.80 11.90

Time-->



#40

1,1'-Biphenyl

Concen: 128.721 ng/ul

RT: 12.90 min Scan# 1686

Delta R.T. 0.01 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

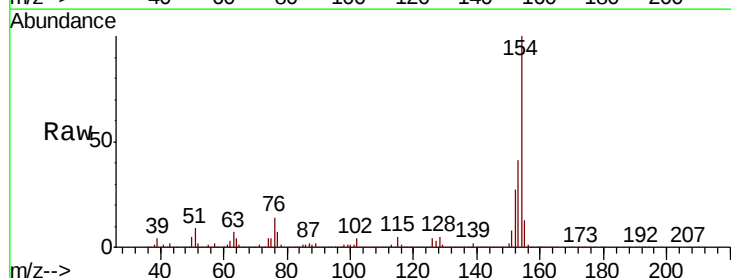
Tgt Ion:154 Resp: 6496764

Ion Ratio Lower Upper

154 100

153 40.5 31.2 46.8

76 14.2 11.4 17.2



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

6000000

5000000

4000000

3000000

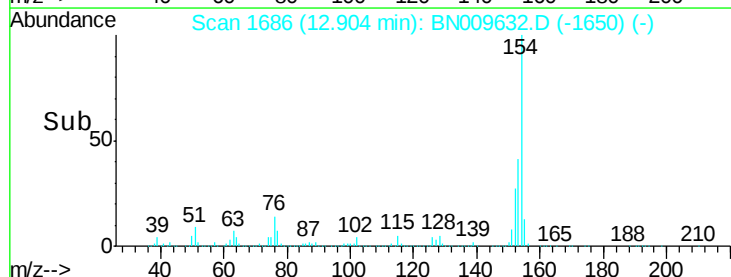
2000000

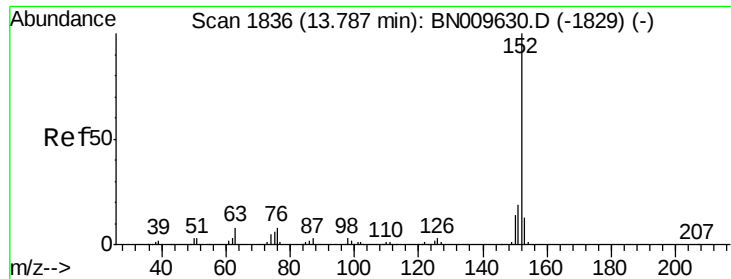
1000000

0

12.85 12.90 12.95

Time-->





#47

Acenaphthylene

Concen: 322.149 ng/ul m

RT: 13.80 min Scan# 1839

Delta R.T. 0.02 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Instrument :

BNA_N

ClientSampleId :

GAT61

Tot Ion:152 Resp:20157826

Ion Ratio Lower Upper

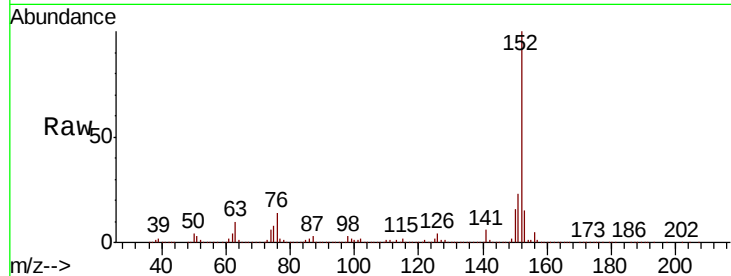
152 100

151 22.6 16.2 24.2

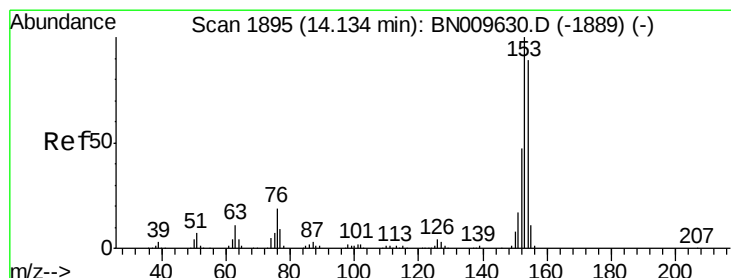
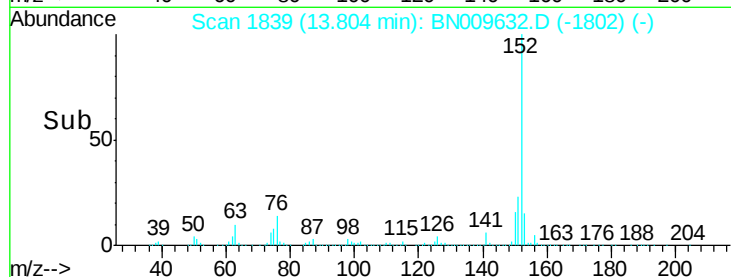
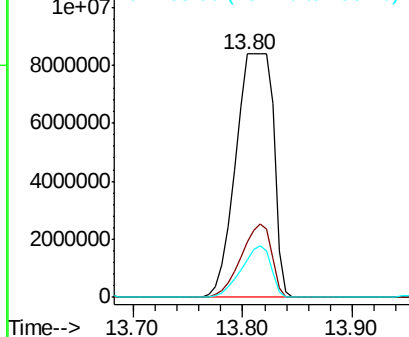
153 15.4 10.6 15.8

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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: 43.675 ng/ul

RT: 14.15 min Scan# 1897

Delta R.T. 0.01 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

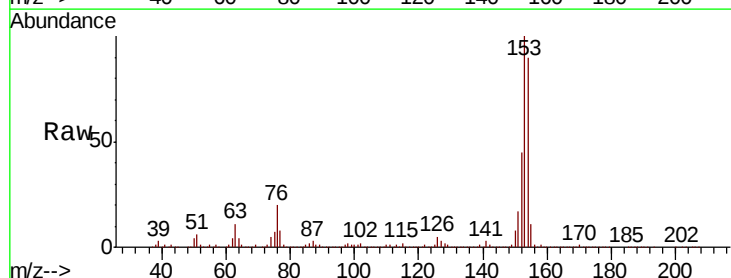
Tgt Ion:153 Resp: 1857839

Ion Ratio Lower Upper

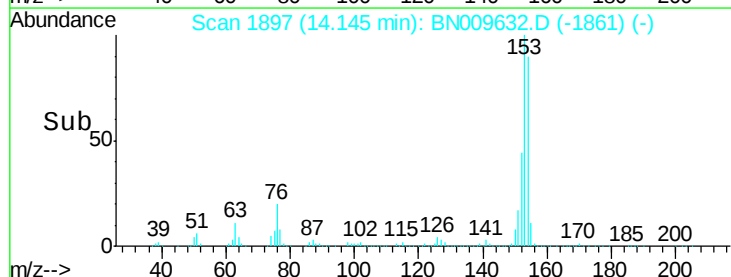
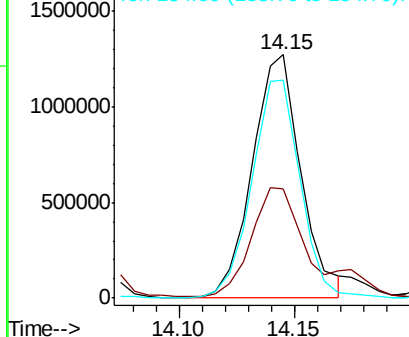
153 100

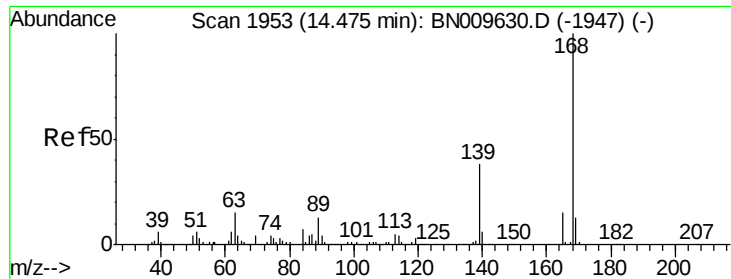
152 44.7 37.3 55.9

154 89.6 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





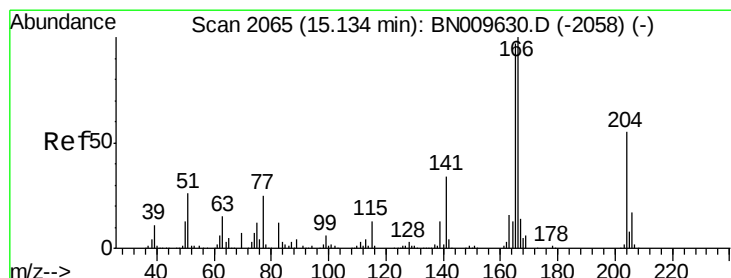
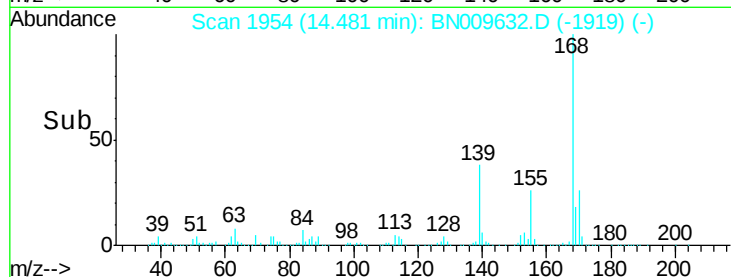
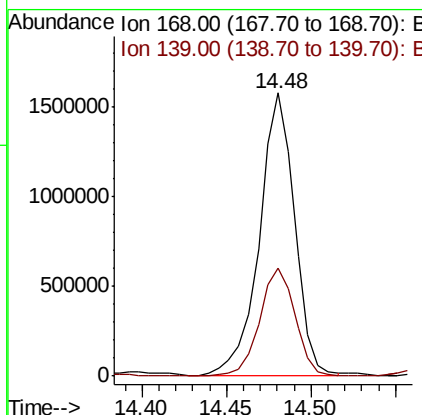
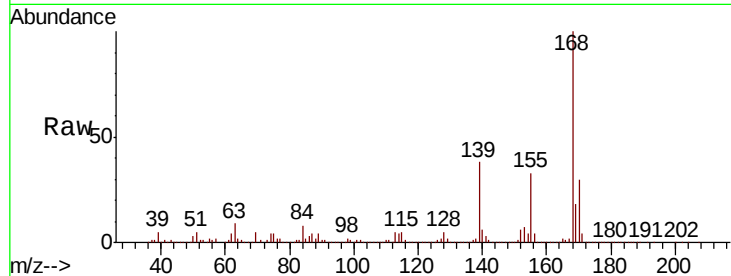
#53
Dibenzofuran
Concen: 38.548 ng/ul
RT: 14.48 min Scan# 1954
Delta R.T. 0.01 min
Lab File: BN009632.D
Acq: 07 Feb 2020 05:23

Instrument :
BNA_N
ClientSampleId :
GAT61

Tot Ion:168 Resp: 2283413
Ion Ratio Lower Upper
168 100
139 38.0 29.5 44.3

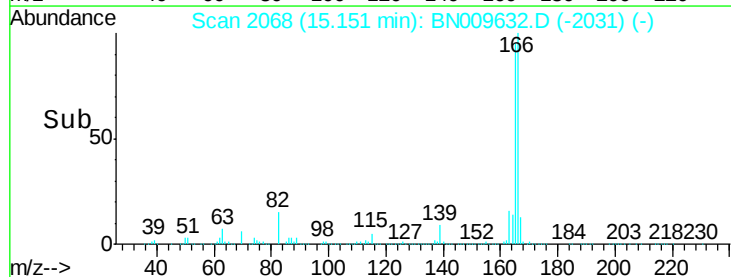
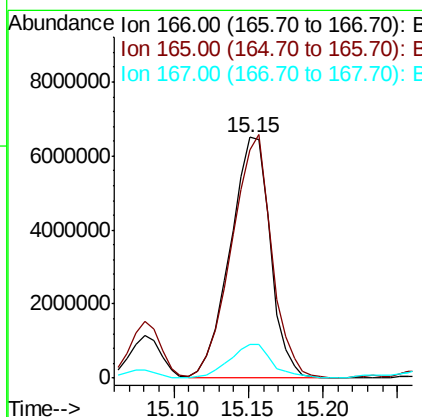
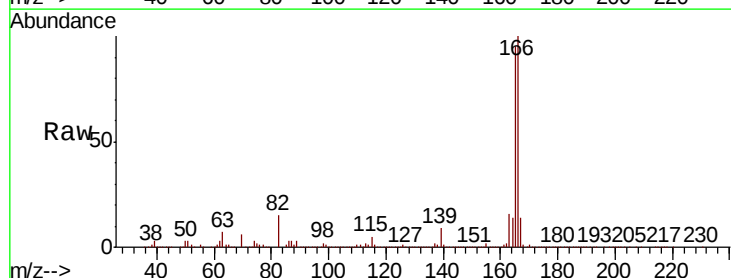
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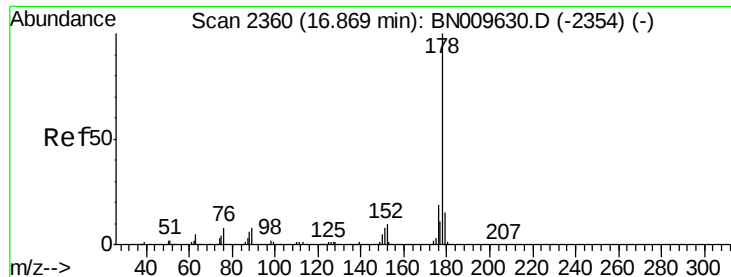
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#58
Fluorene
Concen: 245.105 ng/ul
RT: 15.15 min Scan# 2068
Delta R.T. 0.02 min
Lab File: BN009632.D
Acq: 07 Feb 2020 05:23

Tgt Ion:166 Resp:12133888
Ion Ratio Lower Upper
166 100
165 95.1 76.7 115.1
167 14.1 11.1 16.7





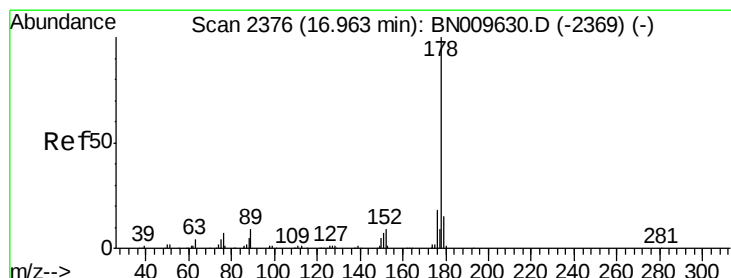
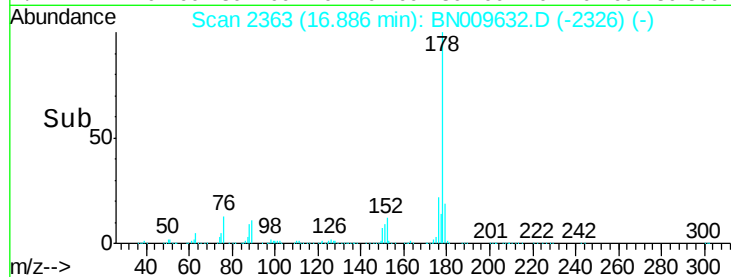
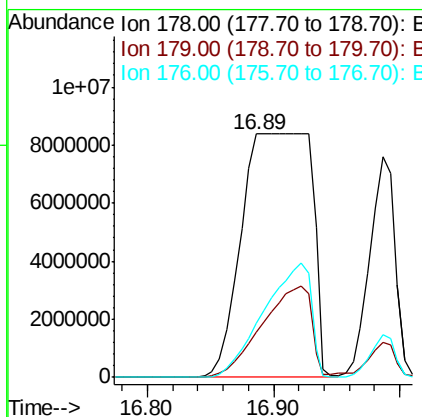
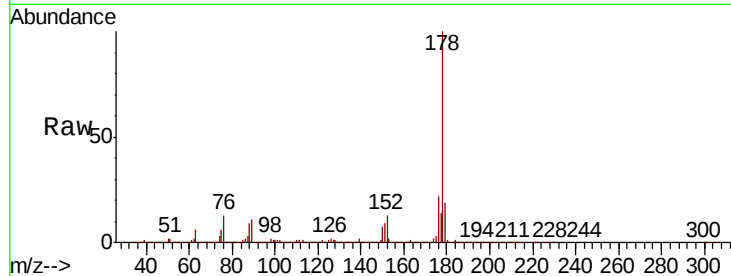
#69
Phenanthrene
Concen: 487.470 ng/ul m
RT: 16.89 min Scan# 2363
Delta R.T. 0.02 min
Lab File: BN009632.D
Acq: 07 Feb 2020 05:23

Instrument :
BNA_N
ClientSampled :
GAT61

Tot Ion:178 Resp:32070839
Ion Ratio Lower Upper
178 100
179 18.7 12.2 18.2#
176 22.5 14.8 22.2#

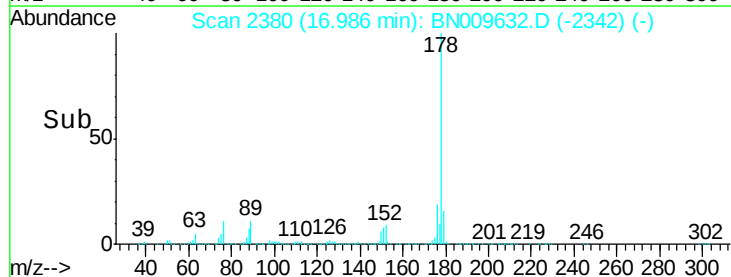
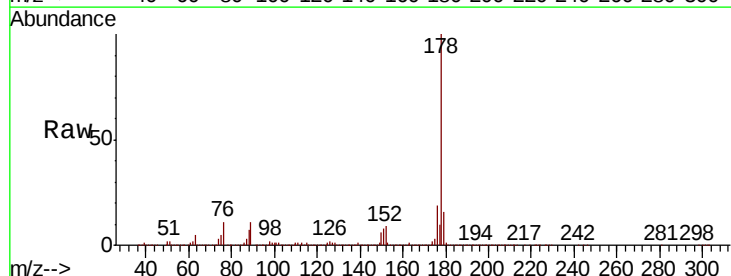
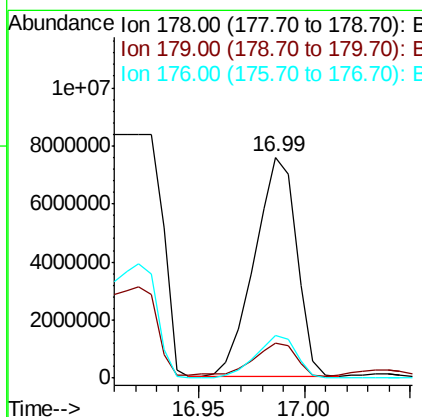
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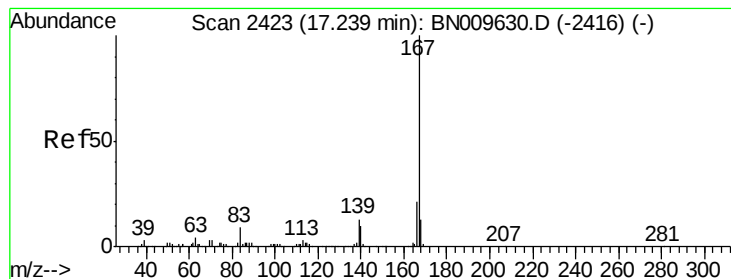
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#71
Anthracene
Concen: 156.613 ng/ul
RT: 16.99 min Scan# 2380
Delta R.T. 0.02 min
Lab File: BN009632.D
Acq: 07 Feb 2020 05:23

Tgt Ion:178 Resp:10454690
Ion Ratio Lower Upper
178 100
179 15.9 12.1 18.1
176 19.4 14.6 21.8





#74

Carbazole

Concen: 7.509 ng/ul

RT: 17.25 min Scan# 2424

Delta R.T. 0.01 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Instrument :

BNA_N

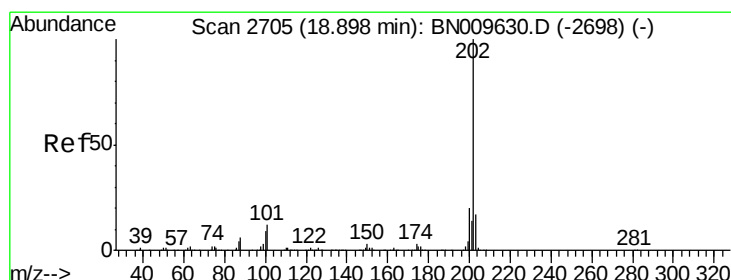
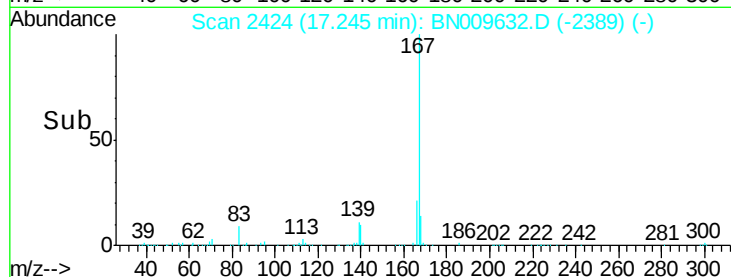
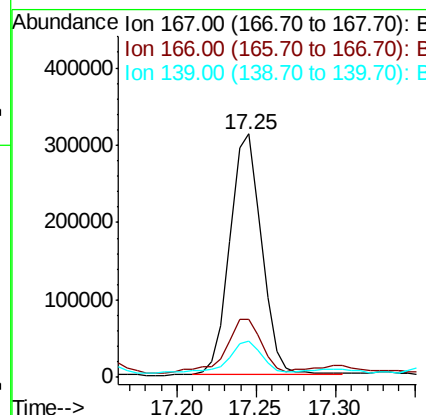
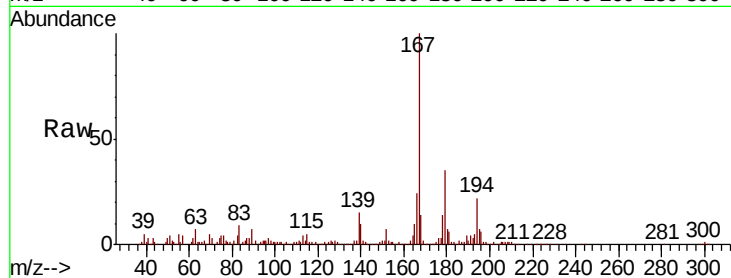
ClientSampleId :

GAT61

Tot Ion:	167	Resp:	436429
Ion Ratio	Lower	Upper	
167	100		
166	24.1	16.2	24.4
139	14.9	10.4	15.6

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#76

Fluoranthene

Concen: 263.941 ng/ul m

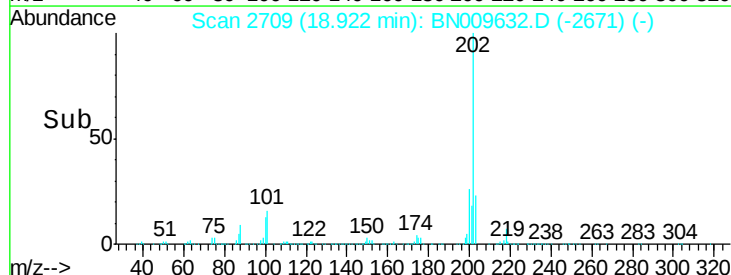
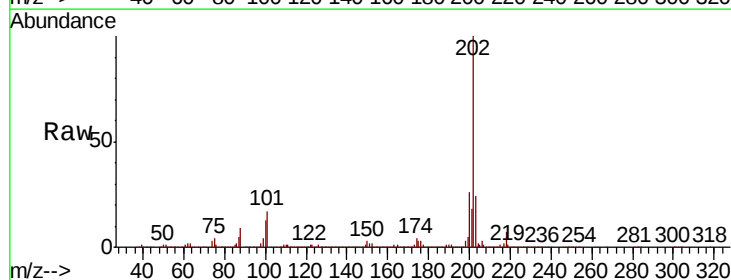
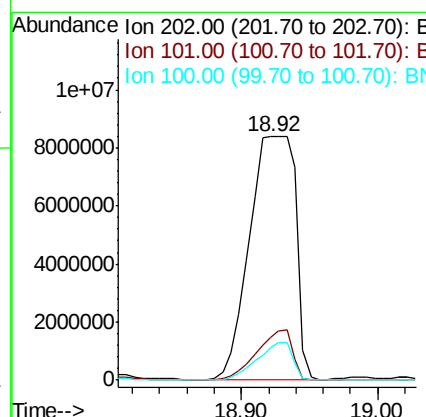
RT: 18.92 min Scan# 2709

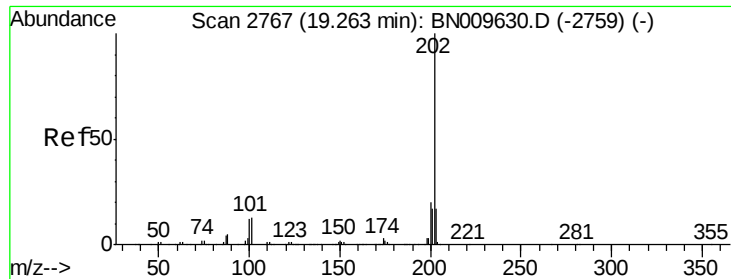
Delta R.T. 0.02 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Tgt Ion:	202	Resp:	19818824
Ion Ratio	Lower	Upper	
202	100		
101	17.3	9.2	13.8#
100	13.2	6.9	10.3#





#79

Pvrene

Concen: 325.650 ng/ul m

RT: 19.29 min Scan# 2771

Delta R.T. 0.02 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Instrument :

BNA_N

ClientSampleId :

GAT61

Tot Ion:202 Resp:23812385

Ion Ratio Lower Upper

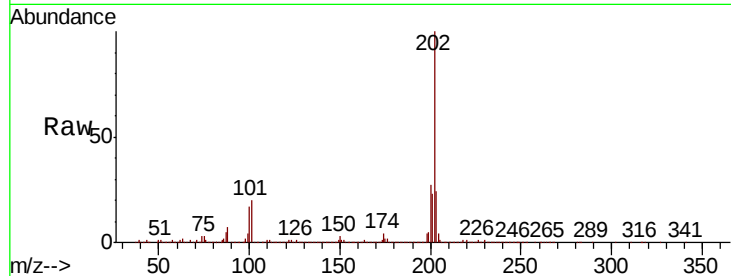
202 100

101 20.1 10.3 15.5#

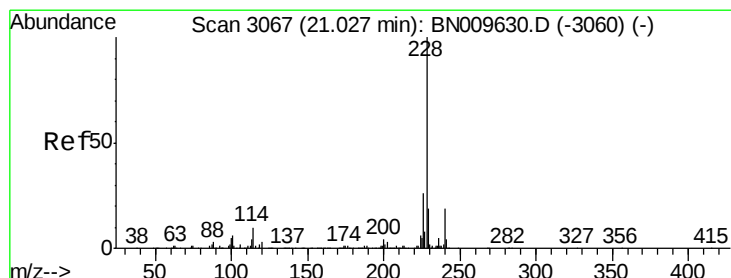
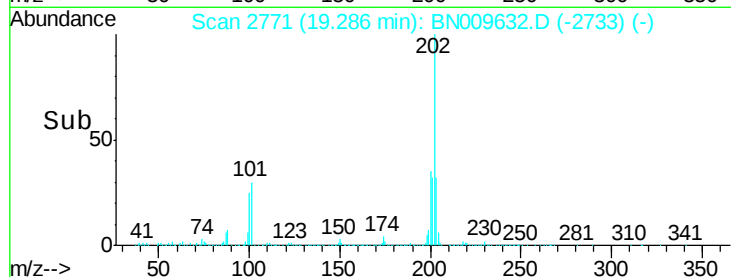
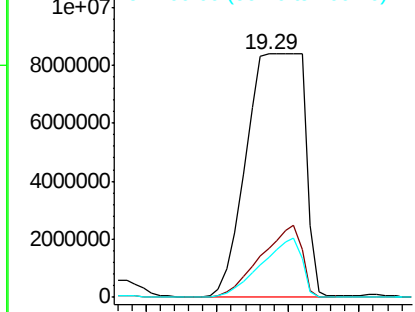
100 16.6 8.4 12.6#

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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: 172.798 ng/ul

RT: 21.04 min Scan# 3070

Delta R.T. 0.02 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

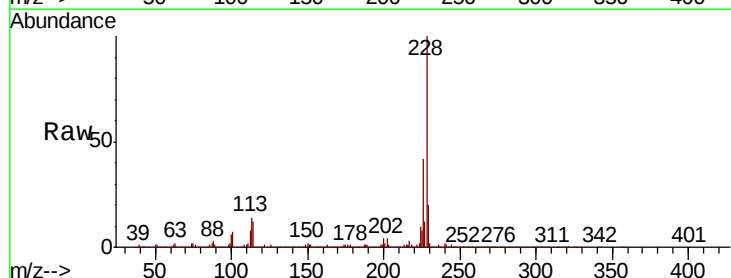
Tgt Ion:228 Resp:11950837

Ion Ratio Lower Upper

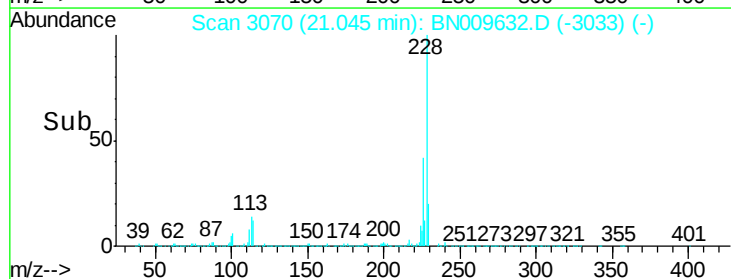
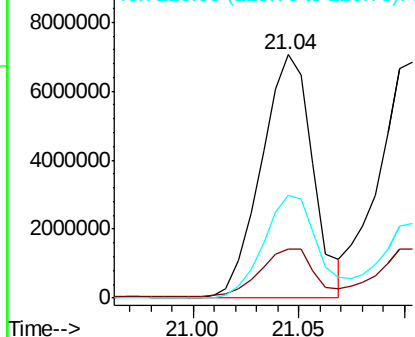
228 100

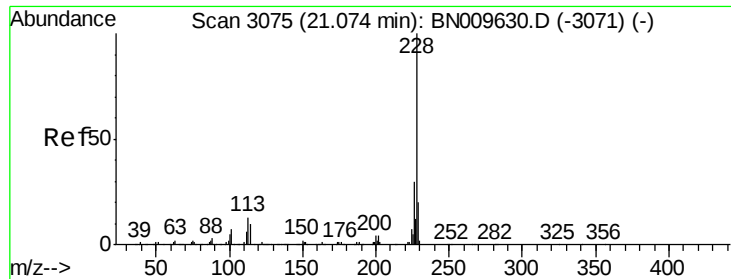
229 20.3 15.0 22.4

226 42.2 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: 147.779 ng/ul

RT: 21.10 min Scan# 3080

Delta R.T. 0.03 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Instrument :

BNA_N

ClientSampleId :

GAT61

Tot Ion:228 Resp:10174761

Ion Ratio Lower Upper

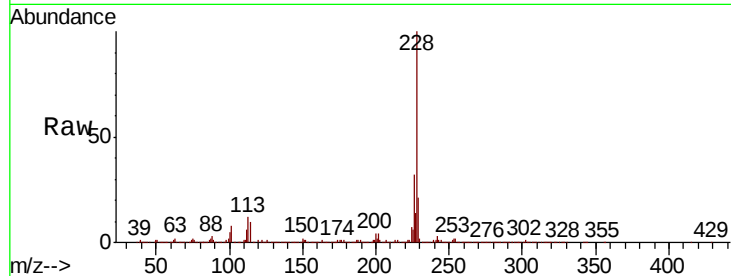
228 100

226 31.8 23.5 35.3

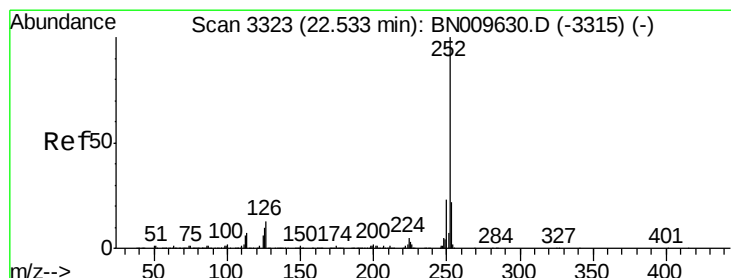
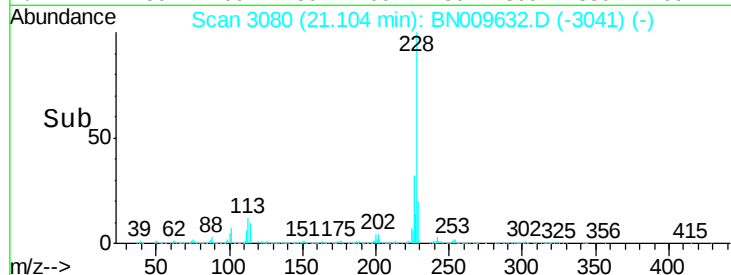
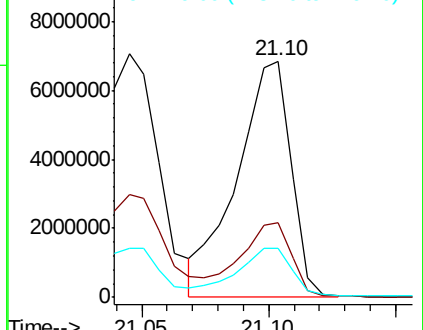
229 20.9 15.8 23.8

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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: 118.001 ng/ul

RT: 22.57 min Scan# 3329

Delta R.T. 0.04 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

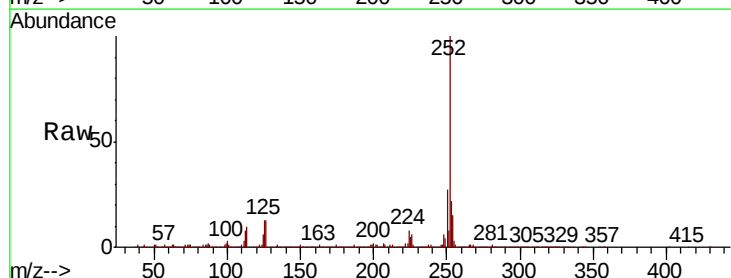
Tgt Ion:252 Resp: 8382465

Ion Ratio Lower Upper

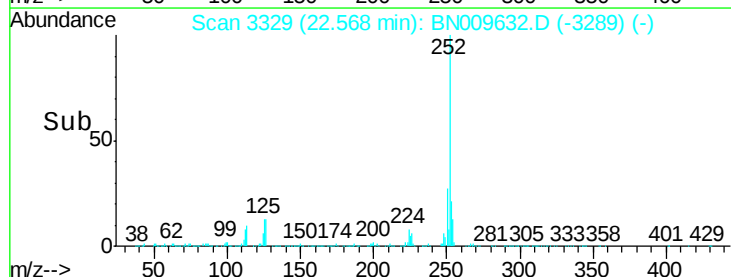
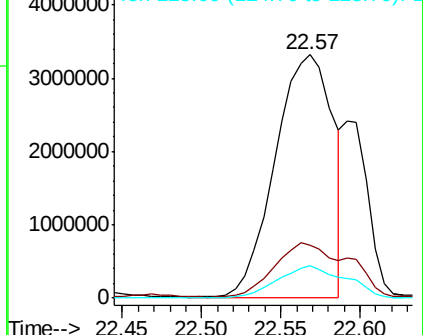
252 100

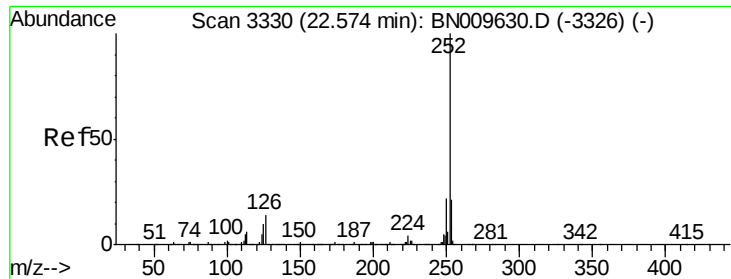
253 21.8 17.0 25.6

125 13.1 8.2 12.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





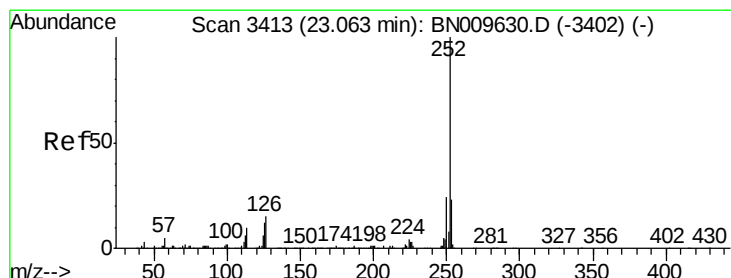
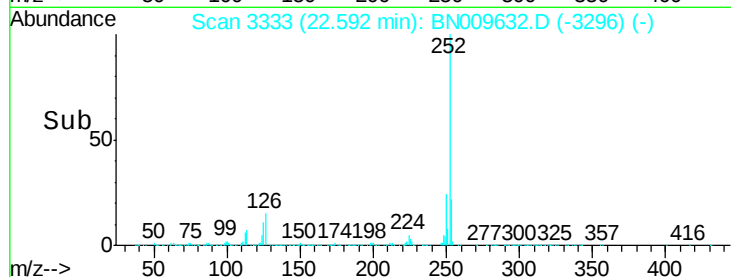
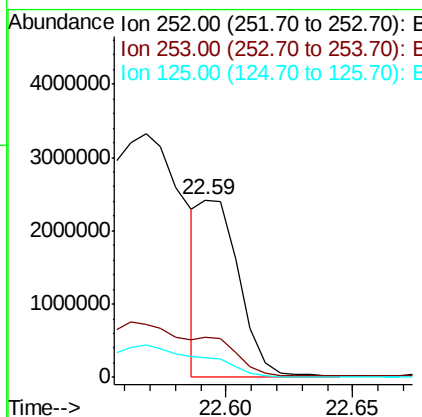
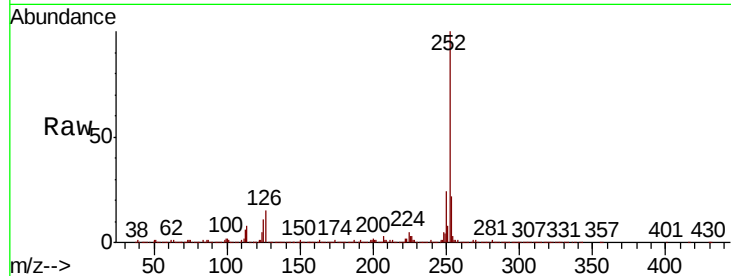
#88
Benzo(k)fluoranthene
Concen: 37.666 ng/ul m
RT: 22.59 min Scan# 3333
Delta R.T. 0.02 min
Lab File: BN009632.D
Acq: 07 Feb 2020 05:23

Instrument :
BNA_N
ClientSampleId :
GAT61

Tot Ion:252 Resp: 2635070
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.4
125 11.4 8.0 12.0

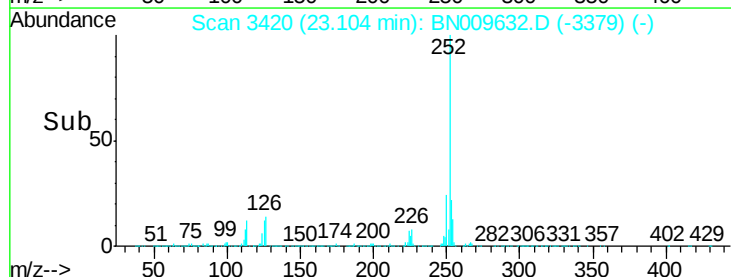
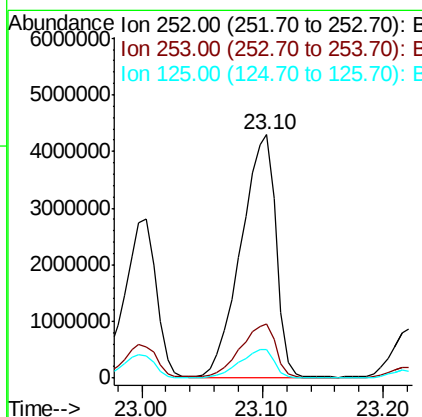
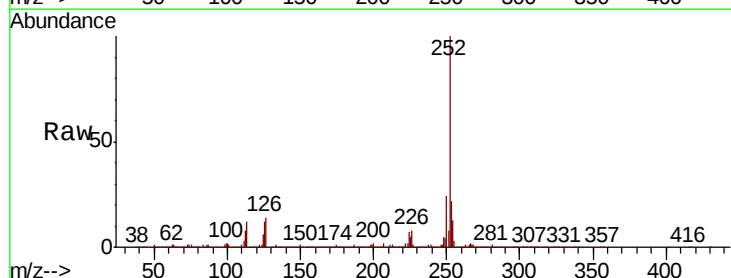
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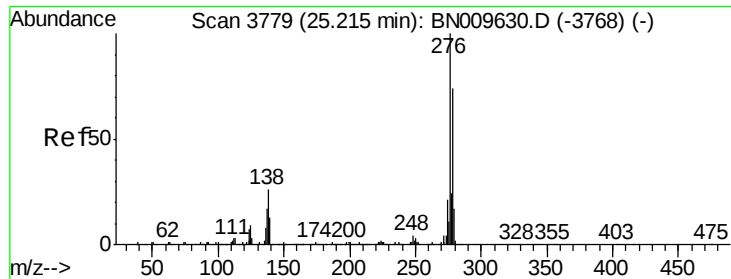
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#90
Benzo(a)pyrene
Concen: 130.958 ng/ul
RT: 23.10 min Scan# 3420
Delta R.T. 0.04 min
Lab File: BN009632.D
Acq: 07 Feb 2020 05:23

Tgt Ion:252 Resp: 8619191
Ion Ratio Lower Upper
252 100
253 22.1 15.8 23.8
125 11.6 8.7 13.1





#91

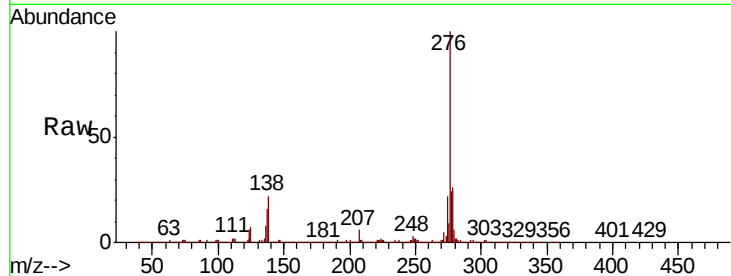
Indeno(1,2,3-cd)pyrene
Concen: 50.319 ng/ul
RT: 25.26 min Scan# 3786
Delta R.T. 0.04 min
Lab File: BN009632.D
Acq: 07 Feb 2020 05:23

Instrument :
BNA_N
ClientSampleId :
GAT61

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	20.3	30.5
277	23.8	21.2	31.8

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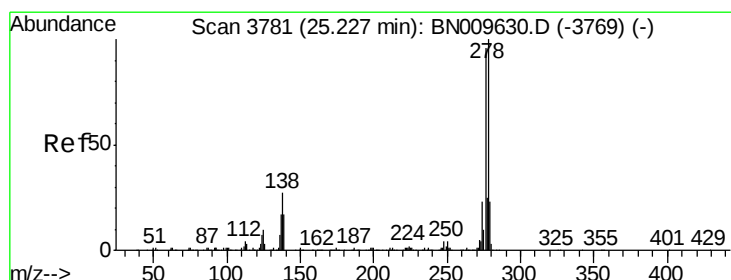
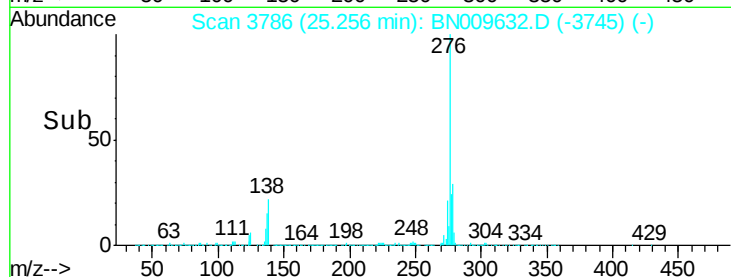
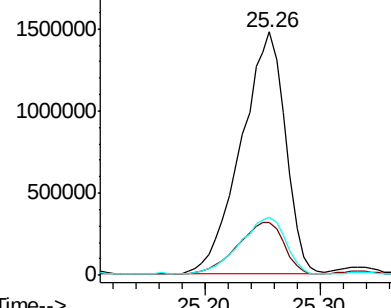


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

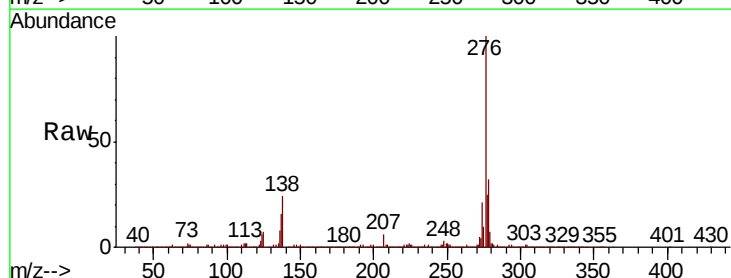
Ion 277.00 (276.70 to 277.70): E



#92

Dibenzo(a,h)anthracene
Concen: 18.553 ng/ul
RT: 25.24 min Scan# 3784
Delta R.T. 0.02 min
Lab File: BN009632.D
Acq: 07 Feb 2020 05:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	23.6	19.8	29.8

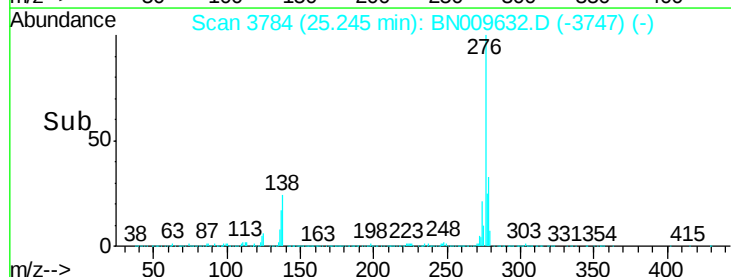
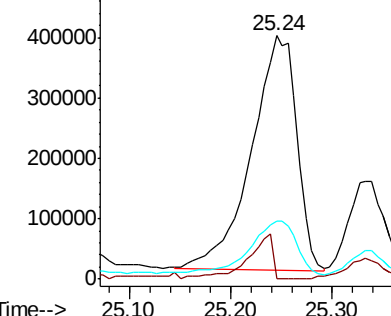


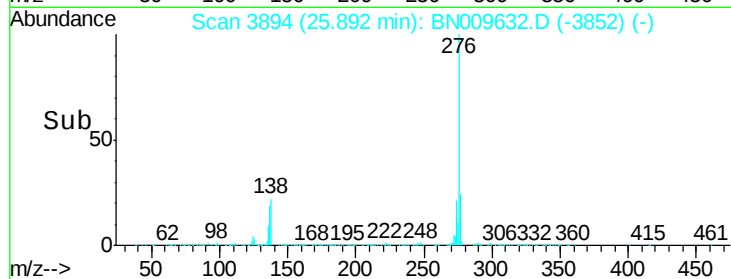
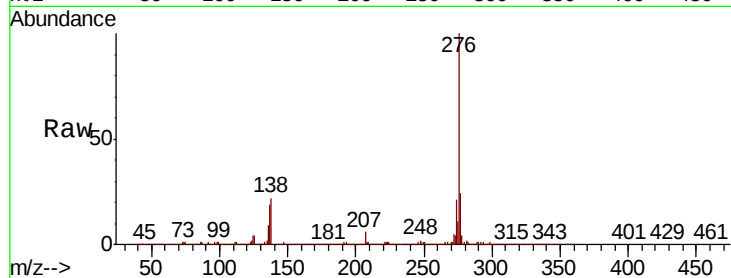
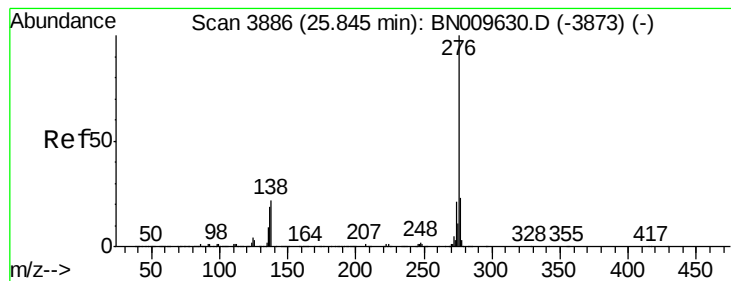
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 62.626 ng/ul

RT: 25.89 min Scan# 3894

Delta R.T. 0.05 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Tot Ion: 276 Resp: 4107089

Ion Ratio Lower Upper

276 100

138 22.2 16.0 24.0

277 24.4 17.0 25.6

Instrument :

BNA_N

ClientSampleId :

GAT61

Manual Integrations
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