

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

Quant Time: Feb 07 11:15:46 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	315	0.05	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	9440	1.28	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	15.23	200	682	0.09	ng/ul	0.00
70) Anthracene-d10	16.84	188	1153632	22.01	ng/ul	-0.09
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

						Qvalue
4) Benzaldehyde	6.60	77	41821	2.92	ng/ul#	1
14) Acetophenone	8.25	105	198035	7.44	ng/ul	99
17) Hexachloroethane	8.46	117	119155	16.49	ng/ul#	8
30) 4-Chloroaniline	10.30	127	11809370	688.84	ng/ul#	11
34) 2-Methylnaphthalene	11.73	142	253423	6.72	ng/ul	84
40) 1,1'-Biphenyl	12.90	154	6496764	128.72	ng/ul	98
47) Acenaphthylene	13.67	152	79298	1.27	ng/ul#	1
49) Acenaphthene	14.15	153	1857839	43.67	ng/ul	98
53) Dibenzofuran	14.48	168	2283413	38.55	ng/ul	98
54) 2,4-Dinitrotoluene	14.45	165	82099	5.71	ng/ul#	47
58) Fluorene	15.15	166	12133888	245.11	ng/ul	99
60) 4-Nitroaniline	15.16	138	144488	12.75	ng/ul#	14
64) N-Nitrosodiphenylamine	15.36	169	124750	3.62	ng/ul#	80
69) Phenanthrene	16.99	178	10478070	159.26	ng/ul	98
71) Anthracene	16.99	178	10454690	156.61	ng/ul	98
74) Carbazole	17.25	167	436429	7.51	ng/ul	93
76) Fluoranthene	19.07	202	7550423	100.55	ng/ul	99
79) Pyrene	19.19	202	980457	13.41	ng/ul	96
82) Benzo(a)anthracene	21.04	228	11950837	172.80	ng/ul#	80
84) Chrysene	21.10	228	10174761	147.78	ng/ul	96
87) Benzo(b)fluoranthene	22.57	252	8382465	118.00	ng/ul#	97
88) Benzo(k)fluoranthene	22.57	252	8382465	119.82	ng/ul#	97
90) Benzo(a)pyrene	23.10	252	8619191	130.96	ng/ul	96

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

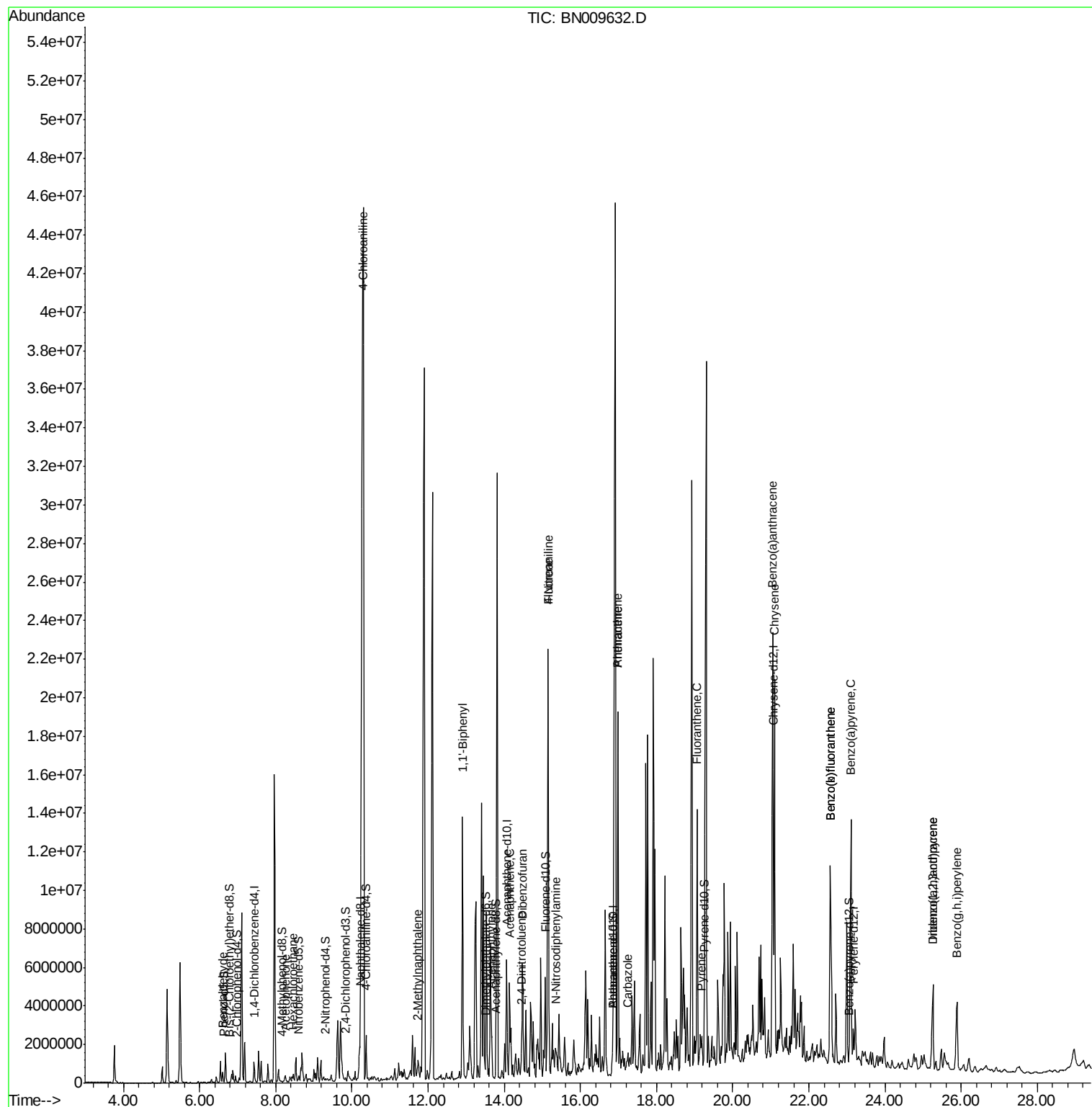
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Indeno(1,2,3-cd)pyrene	25.26	276	3937466	50.32	ng/ul	94
92) Dibenzo(a,h)anthracene	25.24	278	1221999	18.55	ng/ul#	84
93) Benzo(g,h,i)perylene	25.89	276	4107089	62.63	ng/ul	94

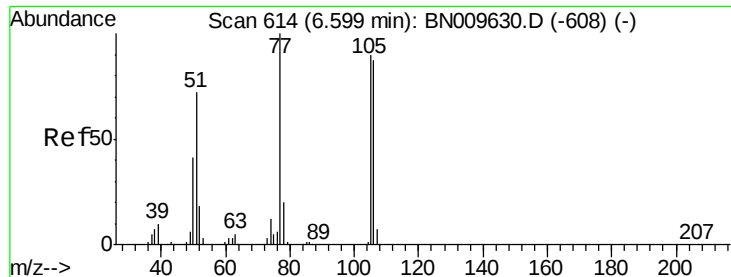
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 2.92 ng/ul

RT: 6.60 min Scan# 615

Delta R.T. 0.01 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Instrument :

BNA_N

ClientSampleId :

GAT61

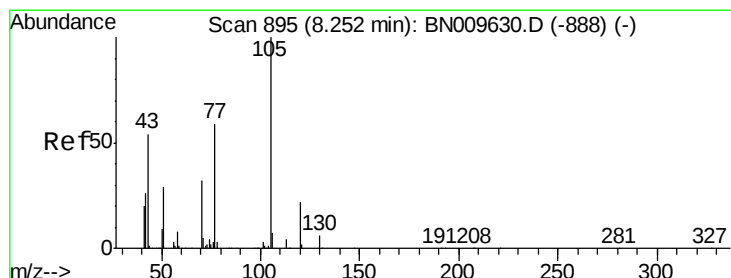
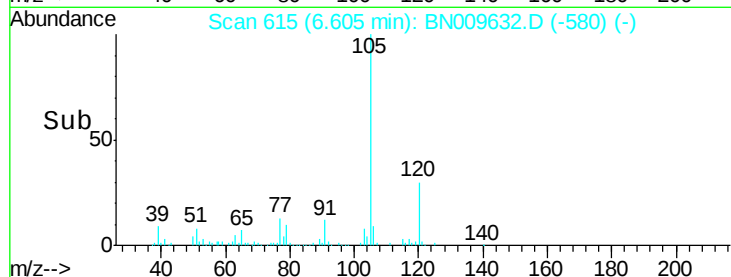
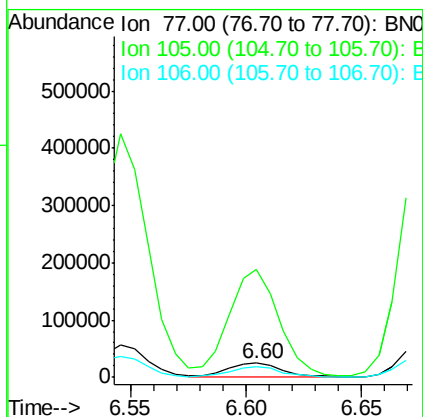
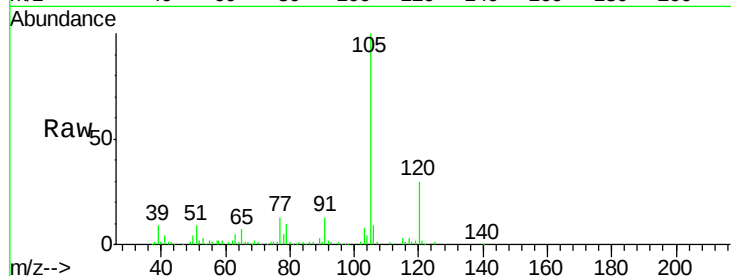
Tgt Ion: 77 Resp: 41821

Ion Ratio Lower Upper

77 100

105 750.0 74.5 111.7#

106 71.2 70.8 106.2



#14

Acetophenone

Concen: 7.44 ng/ul

RT: 8.25 min Scan# 895

Delta R.T. 0.00 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

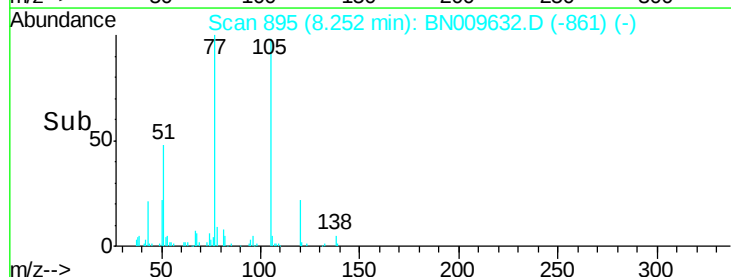
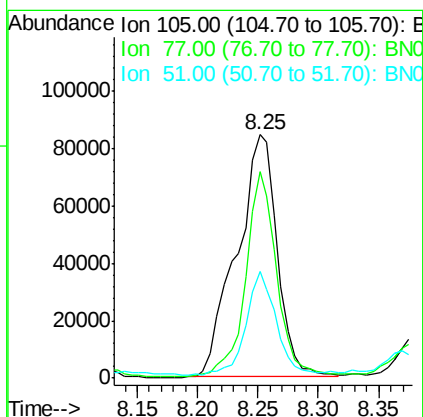
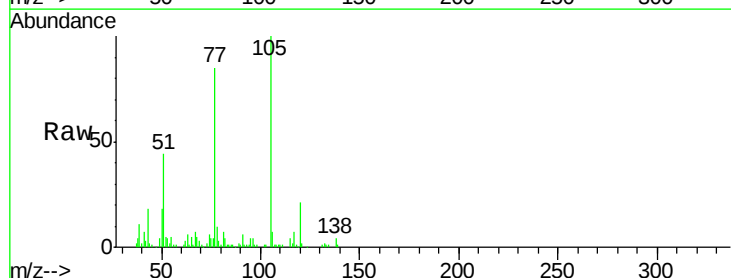
Tgt Ion: 105 Resp: 198035

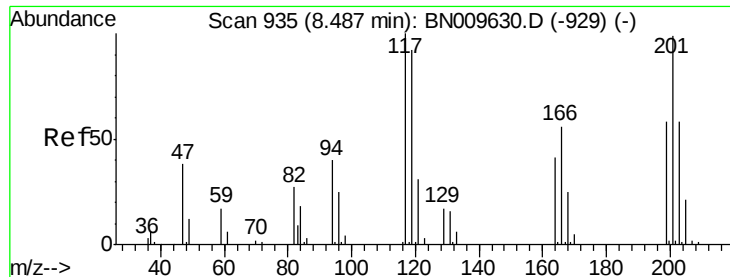
Ion Ratio Lower Upper

105 100

77 84.9 67.7 101.5

51 43.7 34.3 51.5





#17

Hexachloroethane

Concen: 16.49 ng/ul

RT: 8.46 min Scan# 930

Delta R.T. -0.03 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Instrument :

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ClientSampleId :

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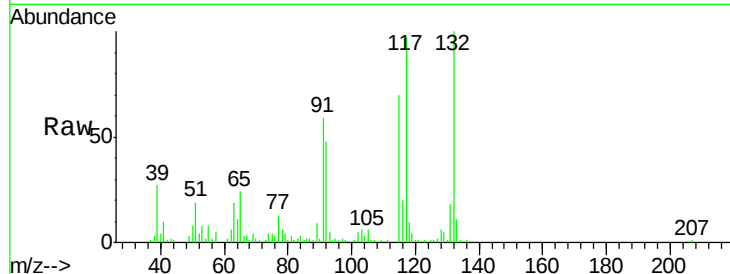
Tgt Ion:117 Resp: 119155

Ion Ratio Lower Upper

117 100

201 0.0 78.8 118.2#

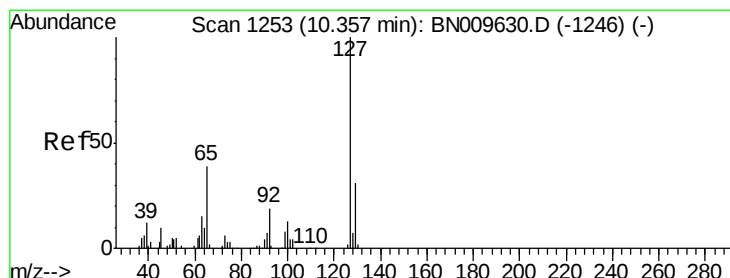
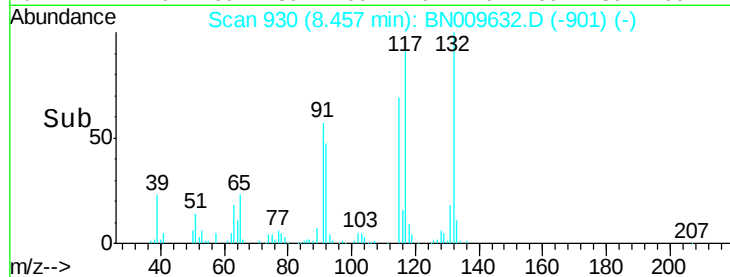
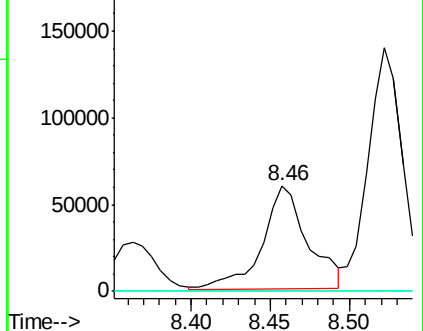
199 0.0 49.0 73.4#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#30

4-Chloroaniline

Concen: 688.84 ng/ul

RT: 10.30 min Scan# 1244

Delta R.T. -0.05 min

Lab File: BN009632.D

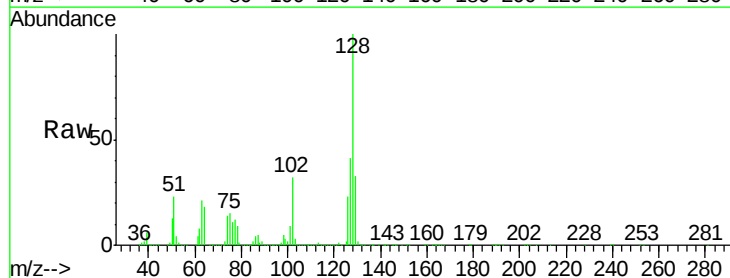
Acq: 07 Feb 2020 05:23

Tgt Ion:127 Resp:11809370

Ion Ratio Lower Upper

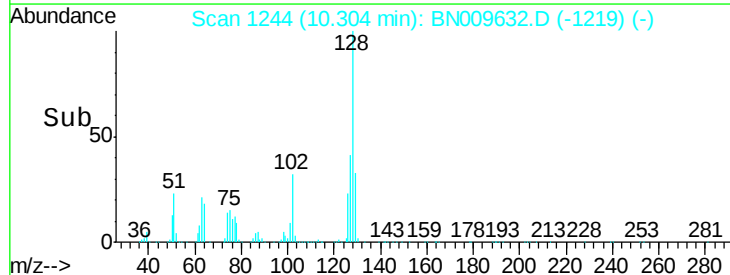
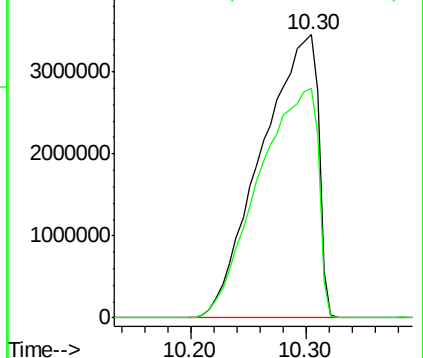
127 100

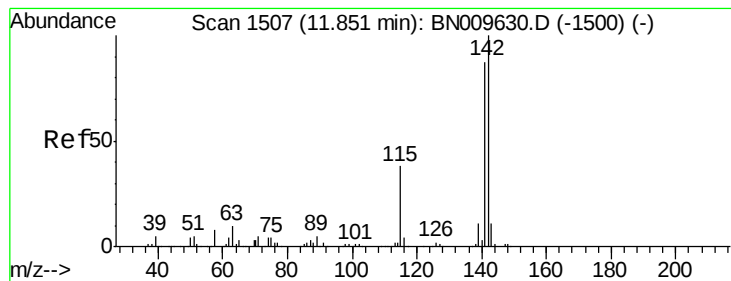
129 80.9 25.2 37.8#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 6.72 ng/ul

RT: 11.73 min Scan# 1486

Delta R.T. -0.12 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Instrument :

BNA_N

ClientSampled :

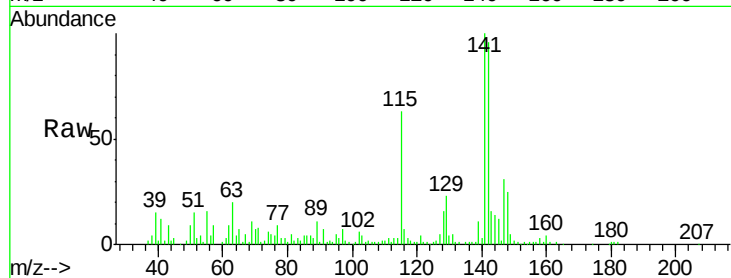
GAT61

Tgt Ion:142 Resp: 253423

Ion Ratio Lower Upper

142 100

141 104.4 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

5000000

4000000

3000000

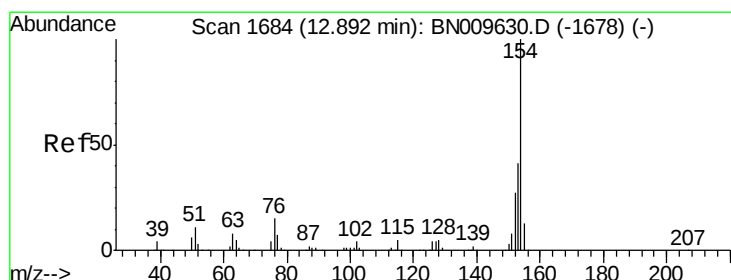
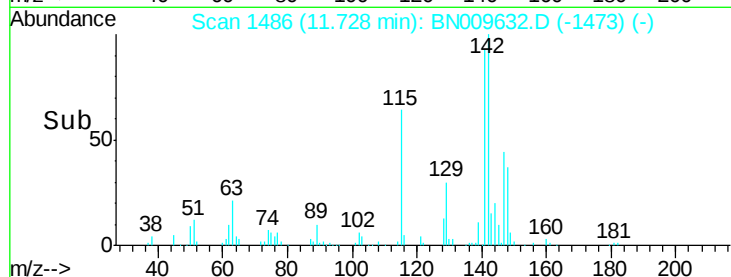
2000000

1000000

0

11.70 11.80

Time-->



#40

1,1'-Biphenyl

Concen: 128.72 ng/ul

RT: 12.90 min Scan# 1686

Delta R.T. 0.01 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

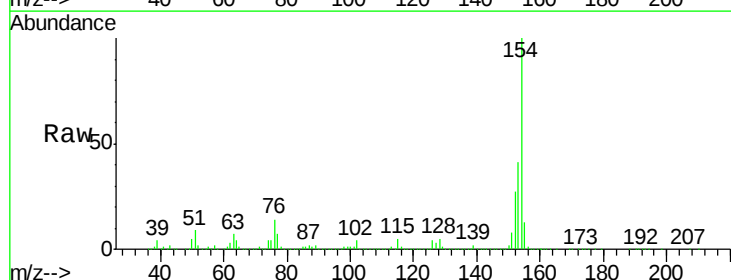
Tgt Ion:154 Resp: 6496764

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

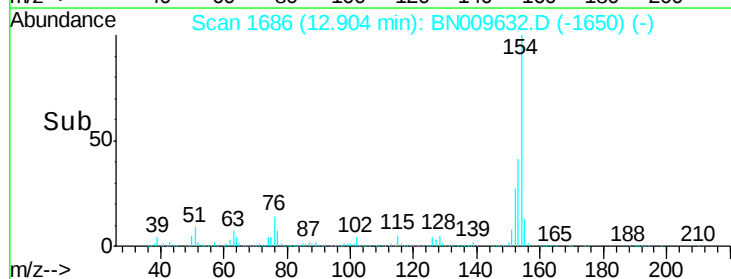
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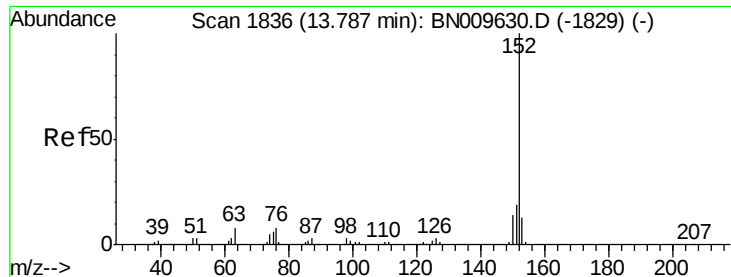
1000000

0

12.85 12.90 12.95

Time-->





#47

Acenaphthylene

Concen: 1.27 ng/ul

RT: 13.67 min Scan# 1816

Delta R.T. -0.12 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Instrument :

BNA_N

ClientSampleId :

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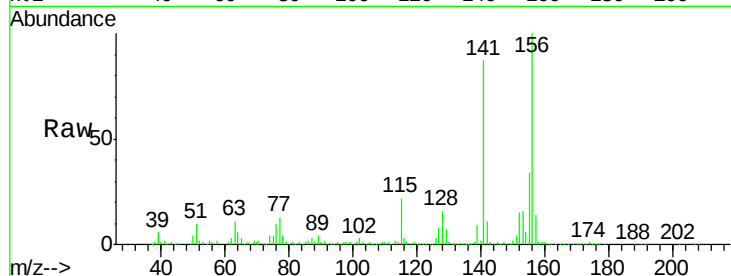
Tgt Ion:152 Resp: 79298

Ion Ratio Lower Upper

152 100

151 29.8 16.2 24.2#

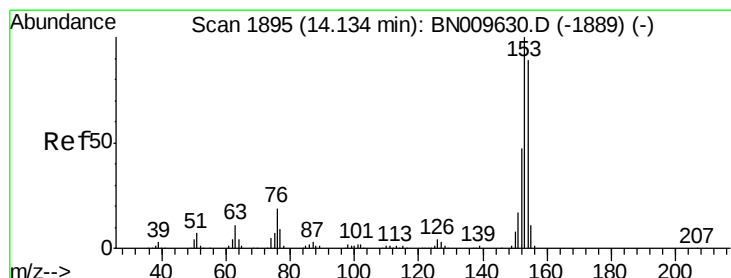
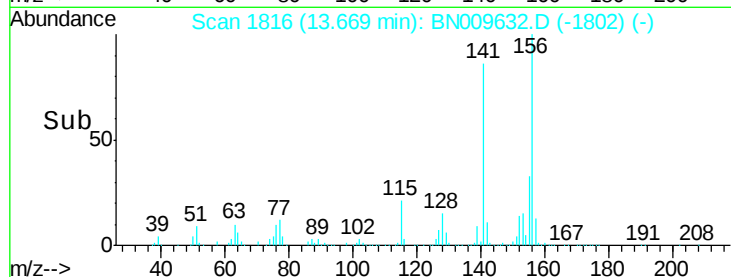
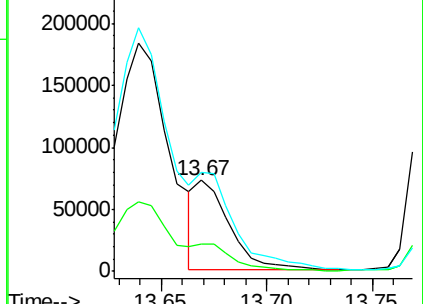
153 109.0 10.6 15.8#



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: 43.67 ng/ul

RT: 14.15 min Scan# 1897

Delta R.T. 0.01 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

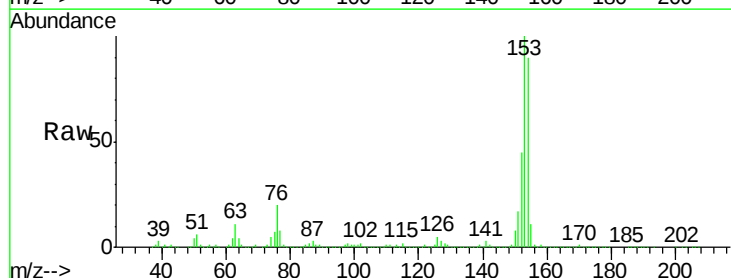
Tgt Ion:153 Resp: 1857839

Ion Ratio Lower Upper

153 100

152 44.7 37.3 55.9

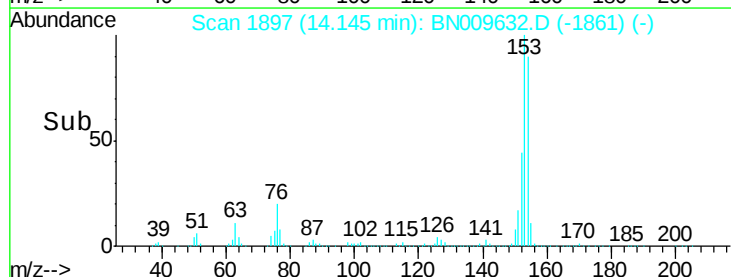
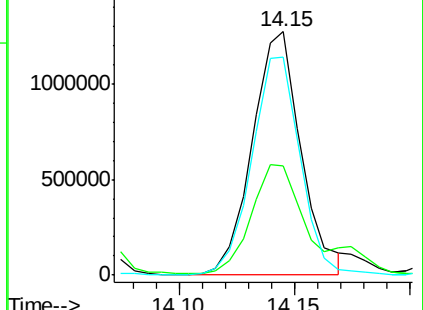
154 89.6 70.2 105.2

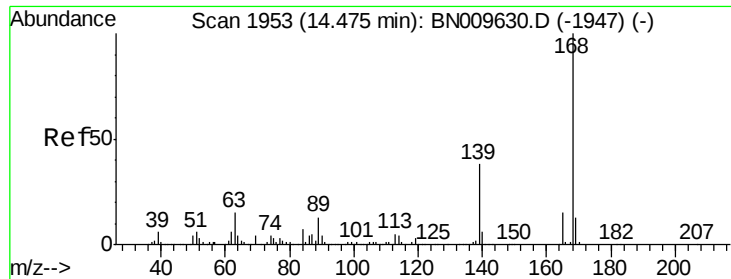


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 38.55 ng/ul

RT: 14.48 min Scan# 1954

Delta R.T. 0.01 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

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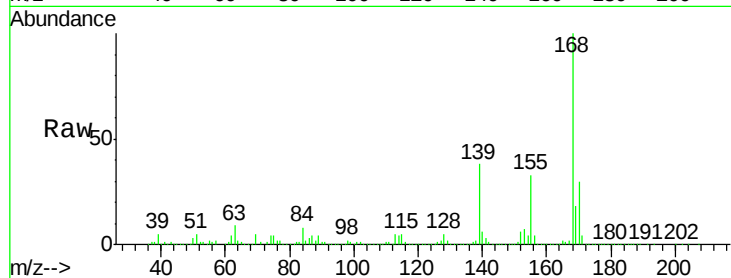
GAT61

Tgt Ion:168 Resp: 2283413

Ion Ratio Lower Upper

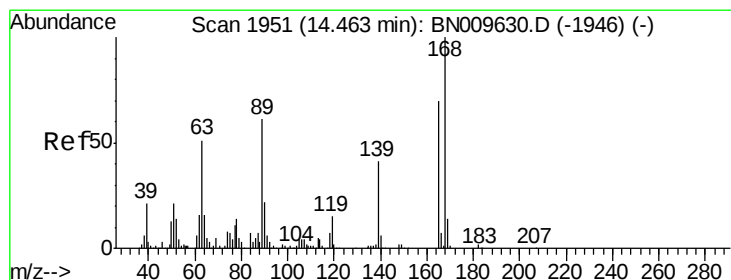
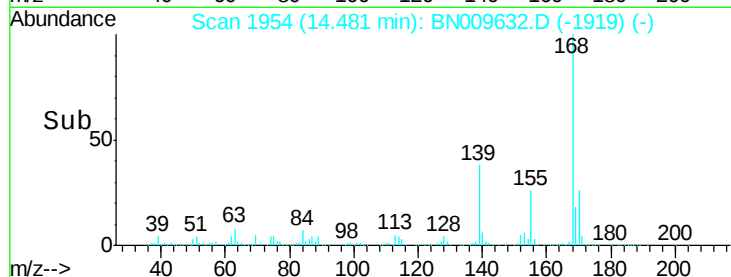
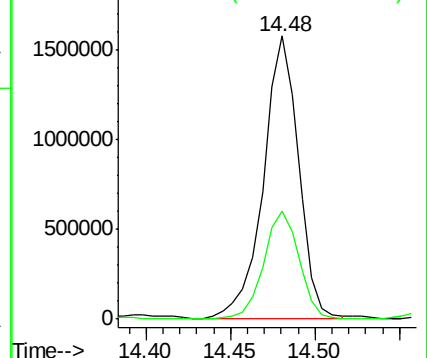
168 100

139 38.0 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#54

2,4-Dinitrotoluene

Concen: 5.71 ng/ul

RT: 14.45 min Scan# 1949

Delta R.T. -0.01 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

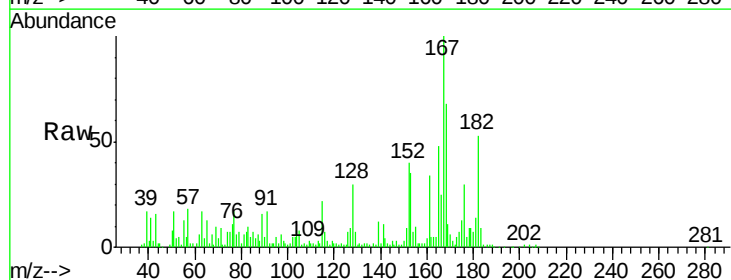
Tgt Ion:165 Resp: 82099

Ion Ratio Lower Upper

165 100

63 35.7 55.0 82.4#

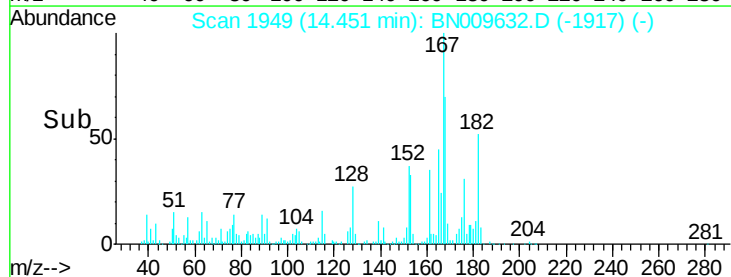
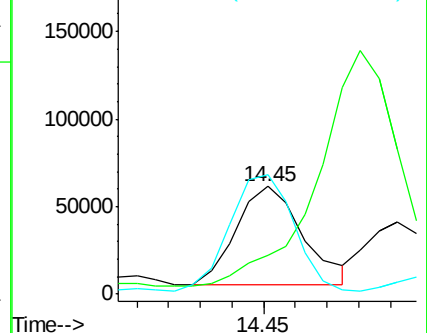
182 111.3 2.4 3.6#

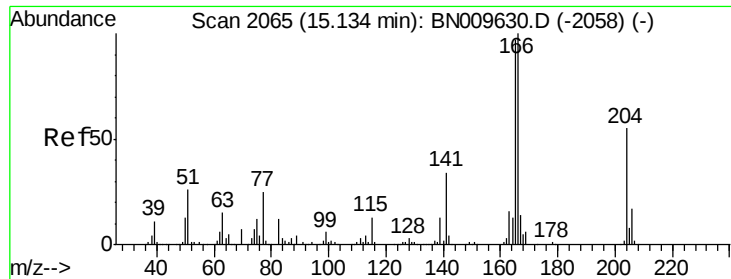


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 245.11 ng/ul

RT: 15.15 min Scan# 2068

Delta R.T. 0.02 min

Lab File: BN009632.D

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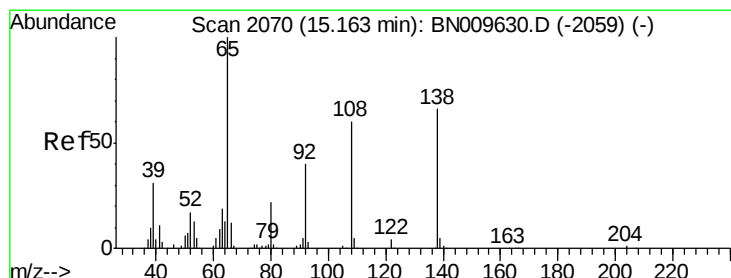
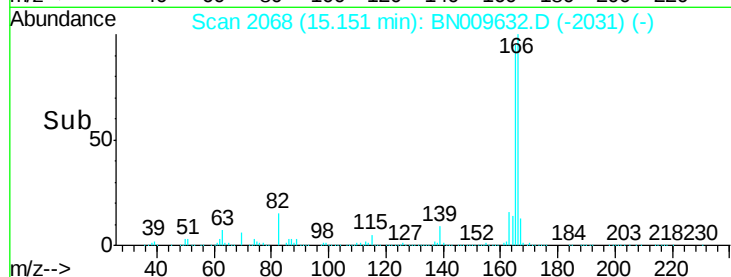
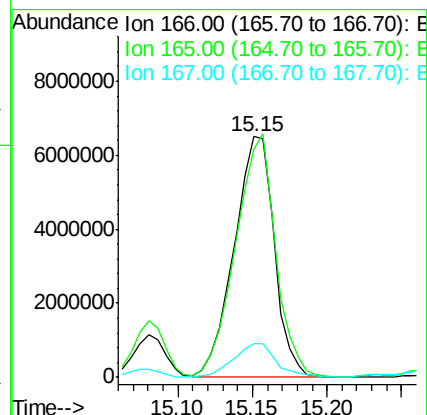
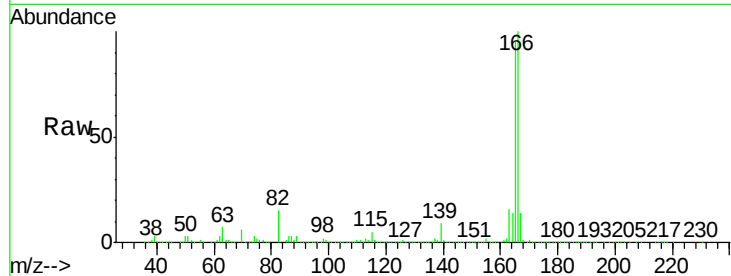
Tgt Ion:166 Resp:12133888

Ion Ratio Lower Upper

166 100

165 95.1 76.7 115.1

167 14.1 11.1 16.7



#60

4-Nitroaniline

Concen: 12.75 ng/ul

RT: 15.16 min Scan# 2069

Delta R.T. -0.01 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

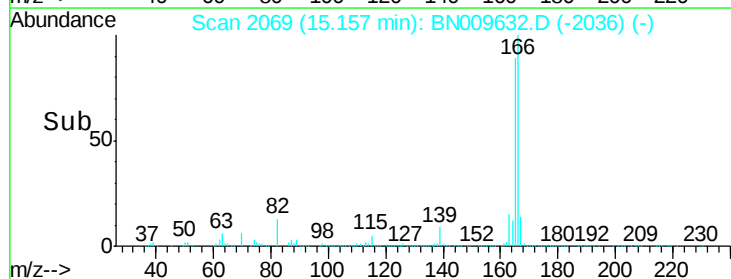
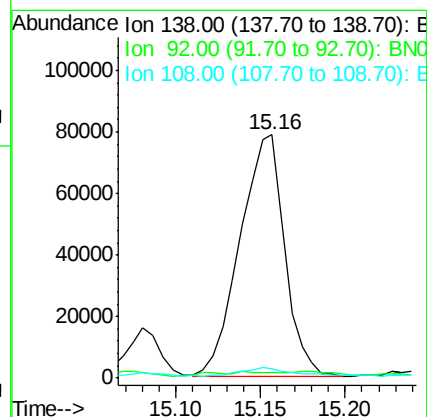
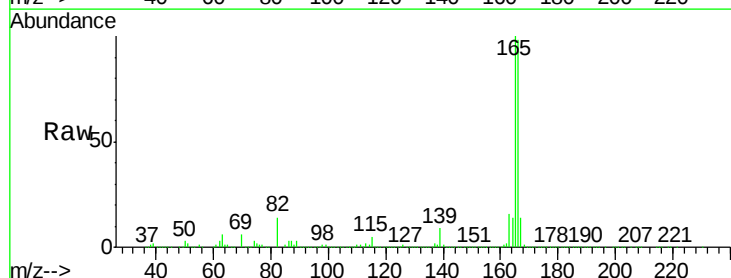
Tgt Ion:138 Resp: 144488

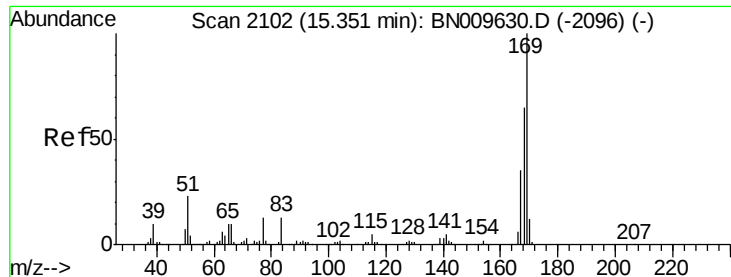
Ion Ratio Lower Upper

138 100

92 2.1 46.1 69.1#

108 3.9 75.1 112.7#





#64

N-Nitrosodiphenylamine

Concen: 3.62 ng/ul

RT: 15.36 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Instrument :

BNA_N

ClientSampled :

GAT61

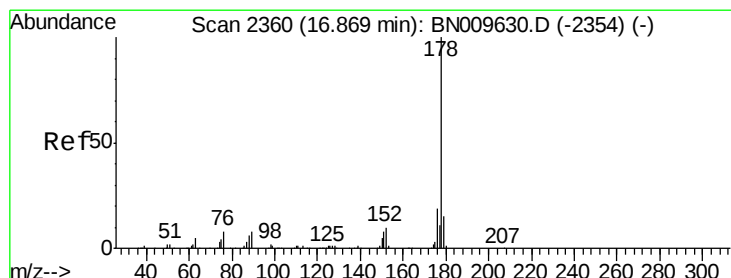
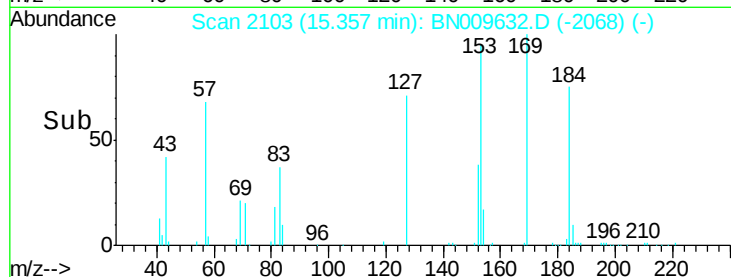
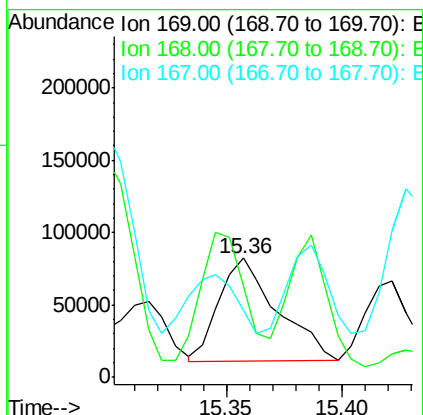
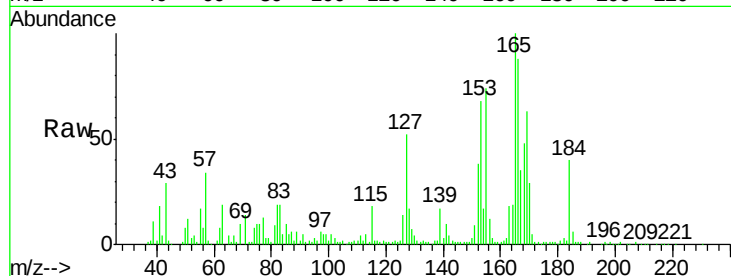
Tgt Ion:169 Resp: 124750

Ion Ratio Lower Upper

169 100

168 76.8 53.8 80.8

167 55.8 27.5 41.3#



#69

Phenanthrene

Concen: 159.26 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.12 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

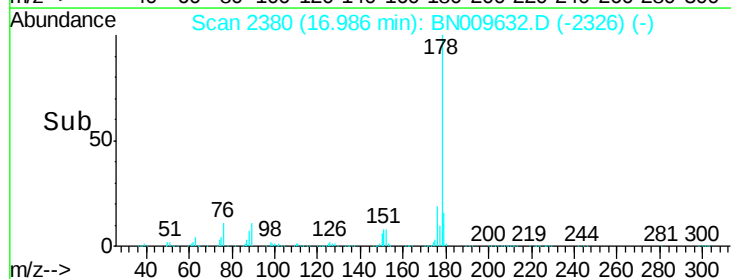
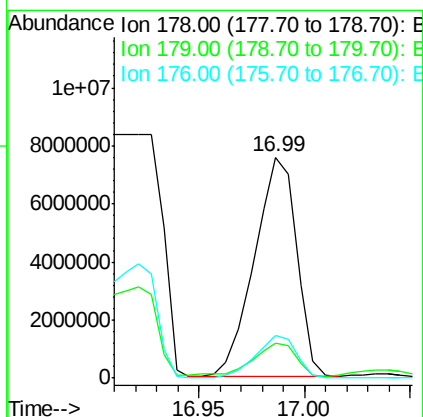
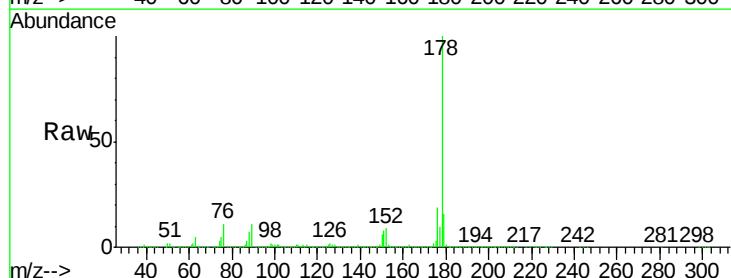
Tgt Ion:178 Resp:10478070

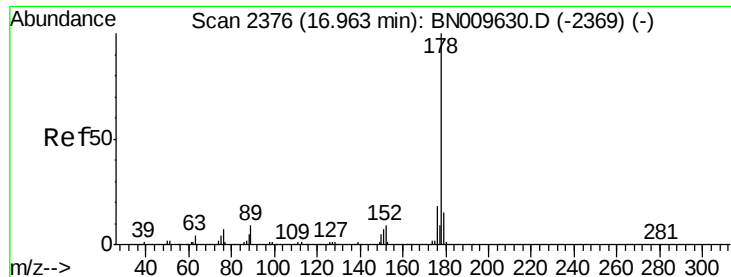
Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.2

176 19.4 14.8 22.2

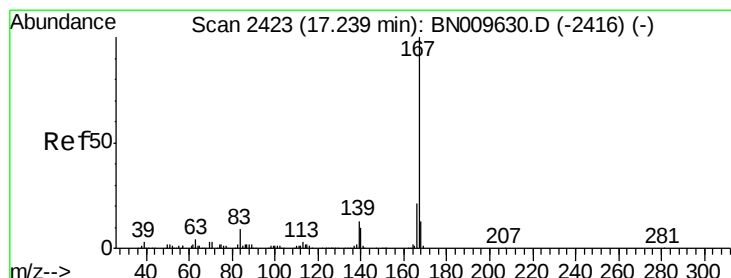
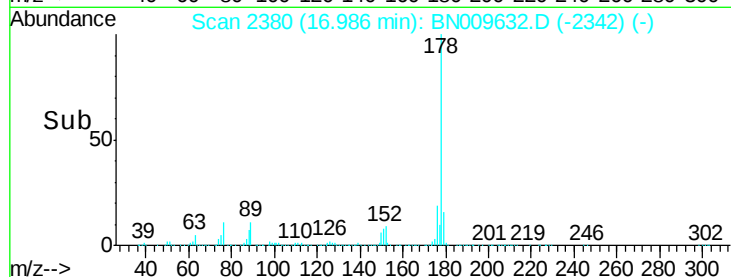
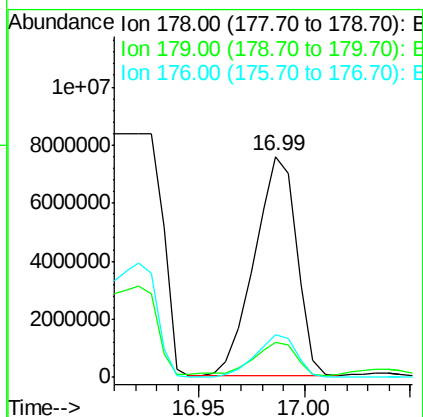
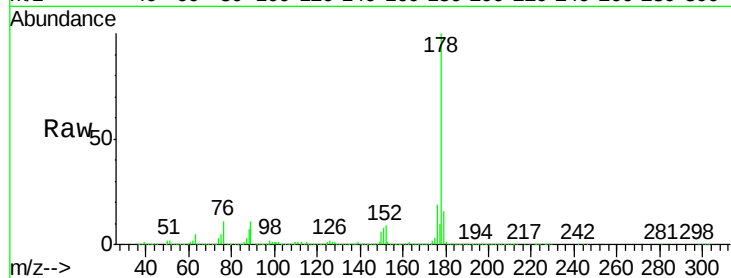




#71
 Anthracene
 Concen: 156.61 ng/ul
 RT: 16.99 min Scan# 2380
 Delta R.T. 0.02 min
 Lab File: BN009632.D
 Acq: 07 Feb 2020 05:23

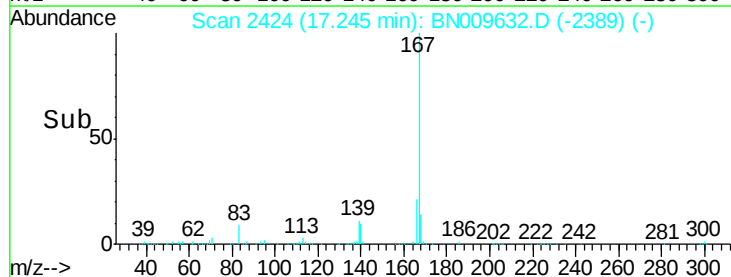
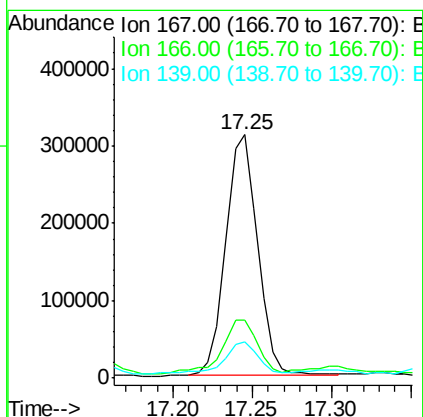
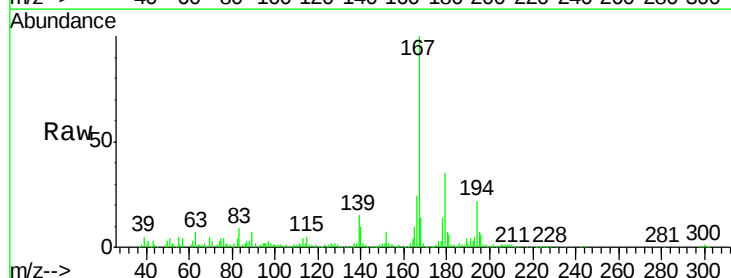
Instrument :
 BNA_N
 ClientSampleId :
 GAT61

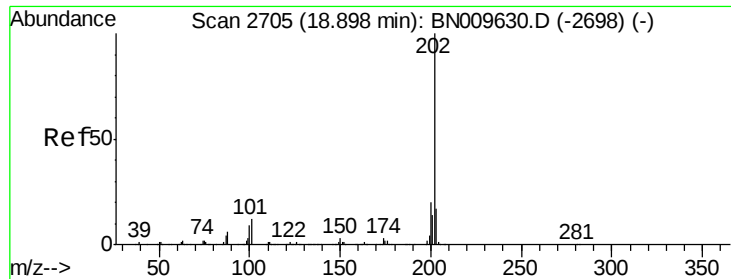
Tgt Ion:178 Resp:10454690
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.1 18.1
 176 19.4 14.6 21.8



#74
 Carbazole
 Concen: 7.51 ng/ul
 RT: 17.25 min Scan# 2424
 Delta R.T. 0.01 min
 Lab File: BN009632.D
 Acq: 07 Feb 2020 05:23

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

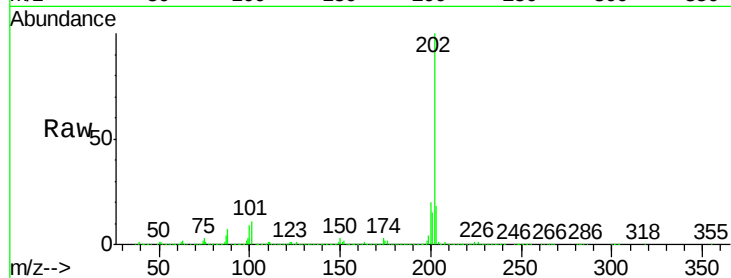




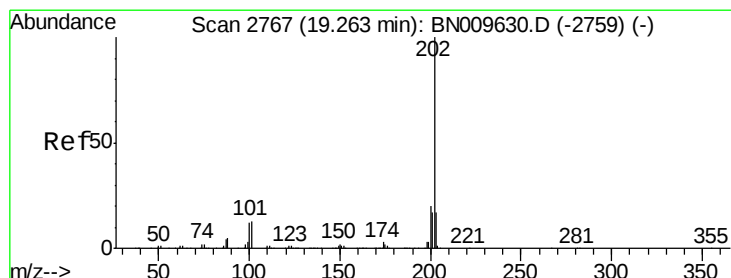
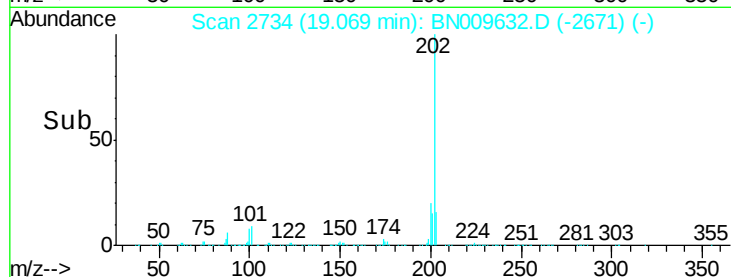
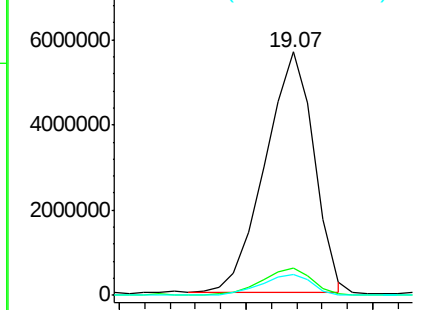
#76
 Fluoranthene
 Concen: 100.55 ng/ul
 RT: 19.07 min Scan# 2734
 Delta R.T. 0.17 min
 Lab File: BN009632.D
 Acq: 07 Feb 2020 05:23

Instrument :
 BNA_N
 ClientSampleId :
 GAT61

Tgt Ion:202 Resp: 7550423
 Ion Ratio Lower Upper
 202 100
 101 11.1 9.2 13.8
 100 8.7 6.9 10.3

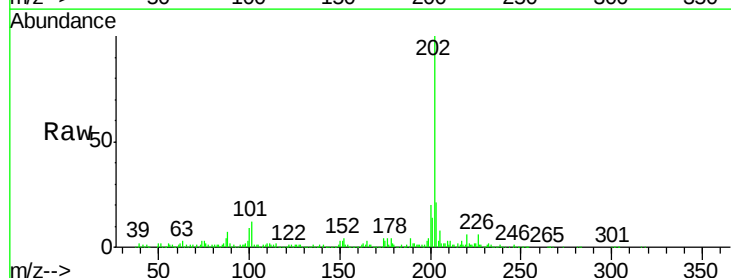


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

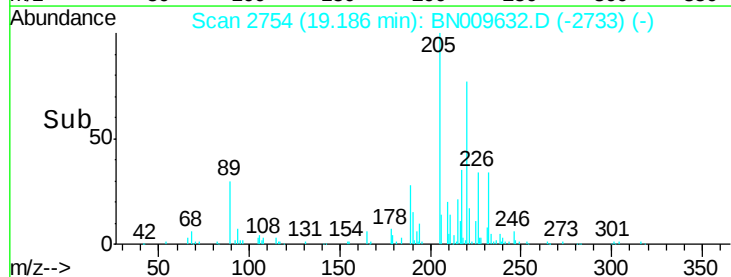
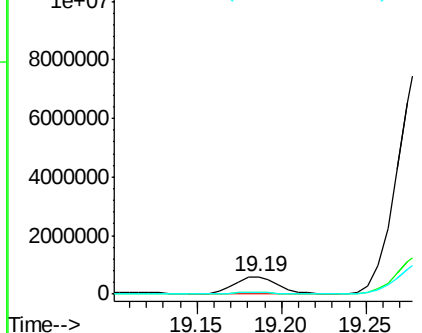


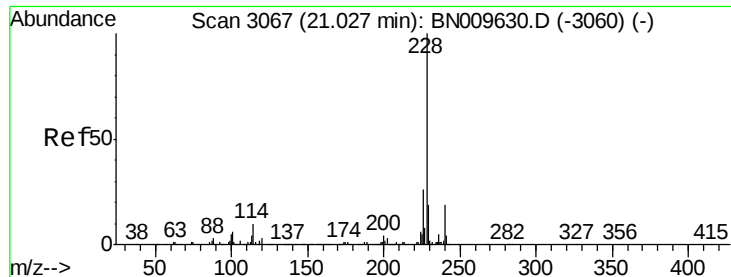
#79
 Pyrene
 Concen: 13.41 ng/ul
 RT: 19.19 min Scan# 2754
 Delta R.T. -0.08 min
 Lab File: BN009632.D
 Acq: 07 Feb 2020 05:23

Tgt Ion:202 Resp: 980457
 Ion Ratio Lower Upper
 202 100
 101 11.8 10.3 15.5
 100 8.6 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

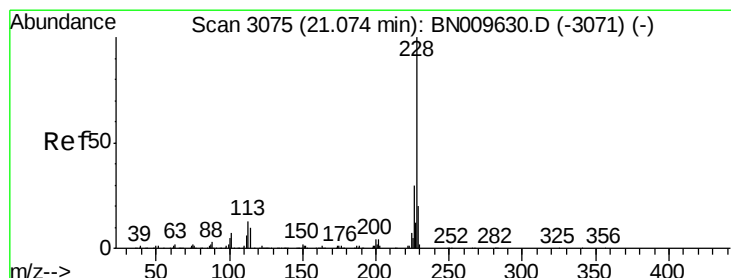
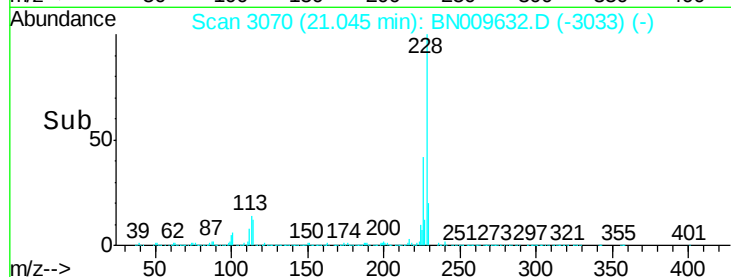
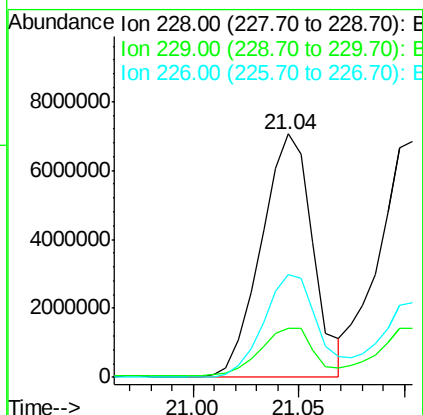
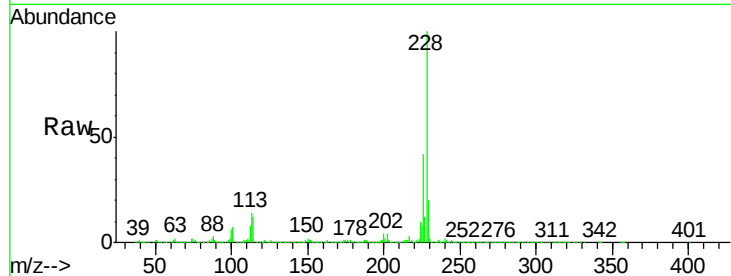




#82
Benzo(a)anthracene
Concen: 172.80 ng/ul
RT: 21.04 min Scan# 3070
Delta R.T. 0.02 min
Lab File: BN009632.D
Acq: 07 Feb 2020 05:23

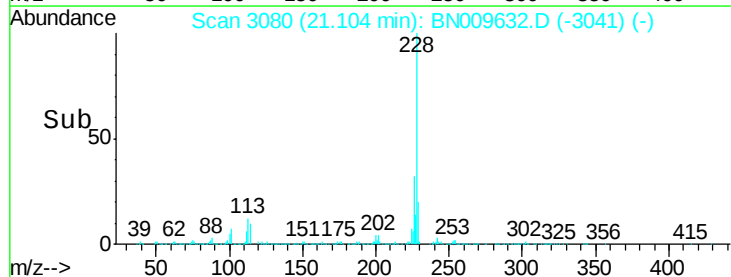
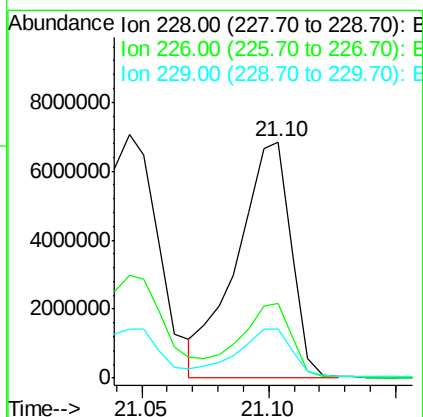
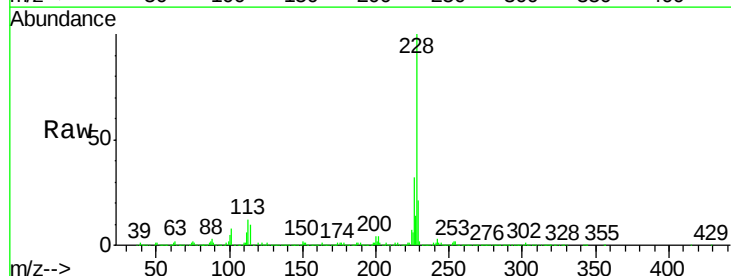
Instrument :
BNA_N
ClientSampleId :
GAT61

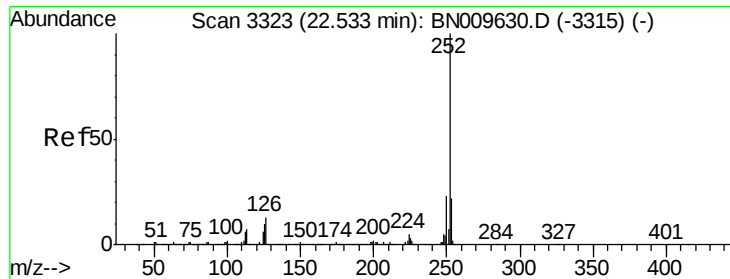
Tgt Ion:228 Resp:11950837
Ion Ratio Lower Upper
228 100
229 20.3 15.0 22.4
226 42.2 20.9 31.3#



#84
Chrysene
Concen: 147.78 ng/ul
RT: 21.10 min Scan# 3080
Delta R.T. 0.03 min
Lab File: BN009632.D
Acq: 07 Feb 2020 05:23

Tgt Ion:228 Resp:10174761
Ion Ratio Lower Upper
228 100
226 31.8 23.5 35.3
229 20.9 15.8 23.8





#87

Benzo(b)fluoranthene

Concen: 118.00 ng/ul

RT: 22.57 min Scan# 3329

Delta R.T. 0.04 min

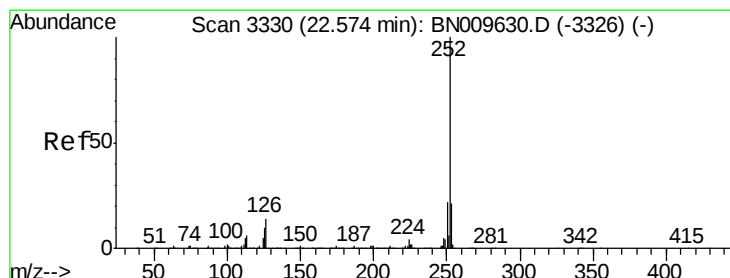
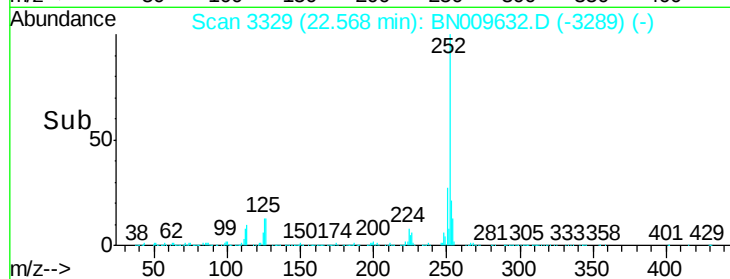
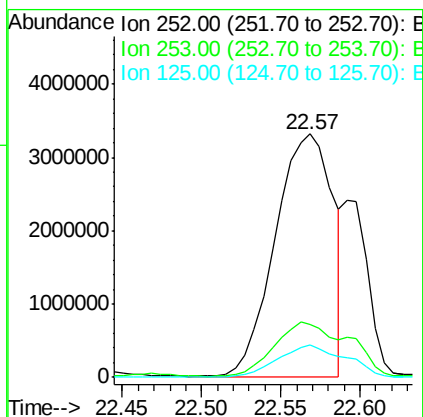
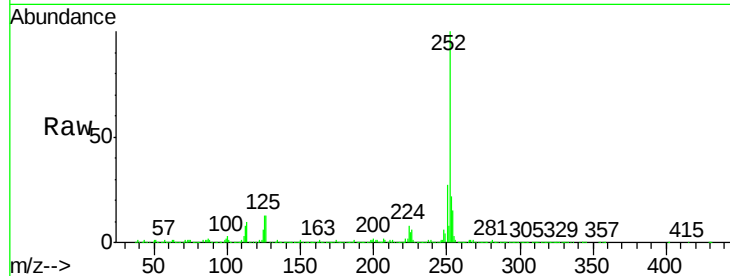
Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Instrument :
BNA_N
ClientSampleId :
GAT61

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#



#88

Benzo(k)fluoranthene

Concen: 119.82 ng/ul

RT: 22.57 min Scan# 3329

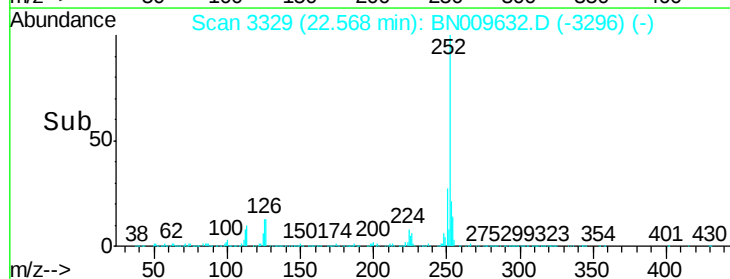
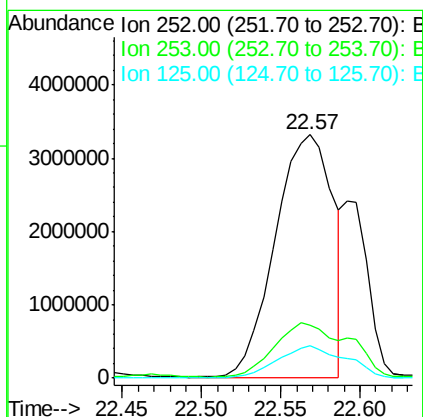
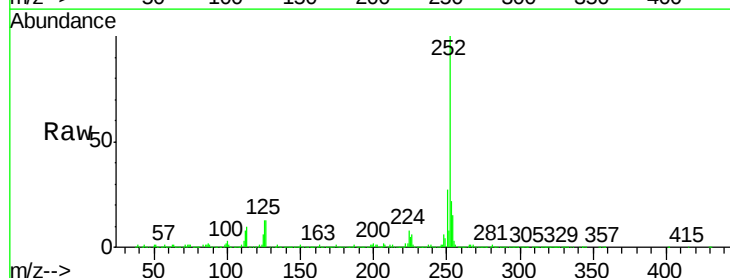
Delta R.T. -0.01 min

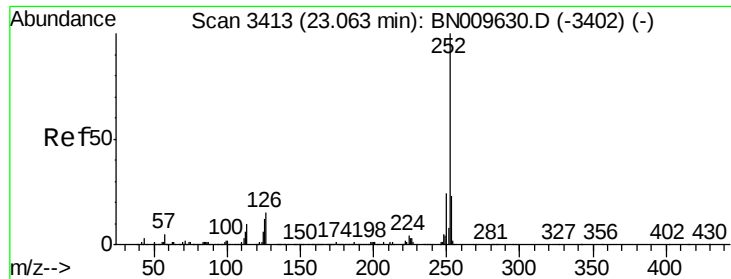
Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Tgt Ion:252 Resp: 8382465

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.4
125	13.1	8.0	12.0#

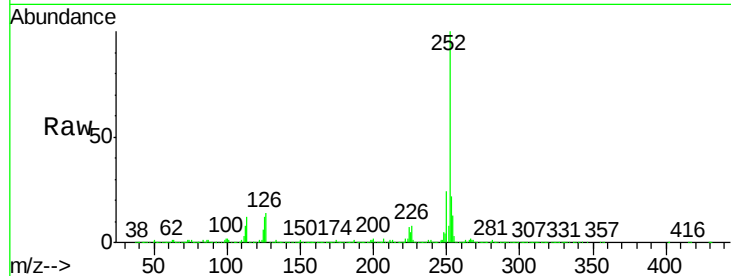




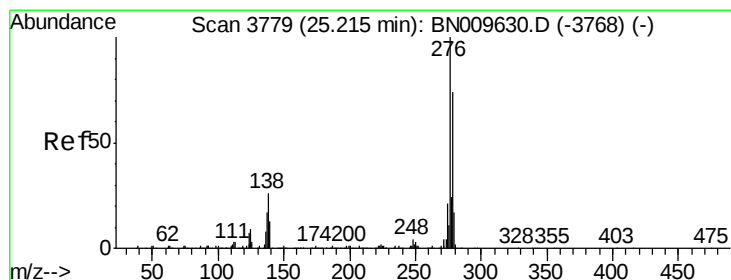
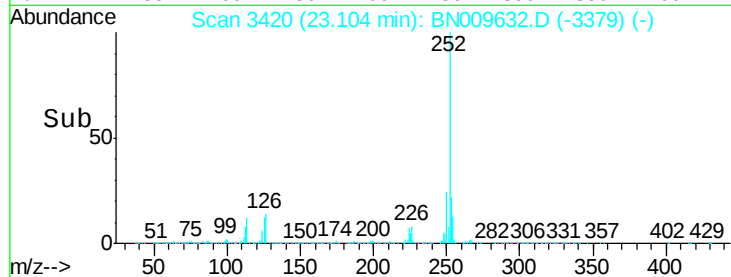
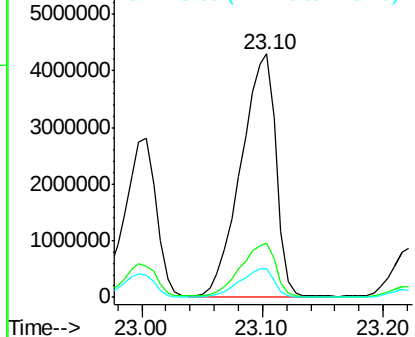
#90
Benzo(a)pyrene
Concen: 130.96 ng/ul
RT: 23.10 min Scan# 3420
Delta R.T. 0.04 min
Lab File: BN009632.D
Acq: 07 Feb 2020 05:23

Instrument :
BNA_N
ClientSampleId :
GAT61

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

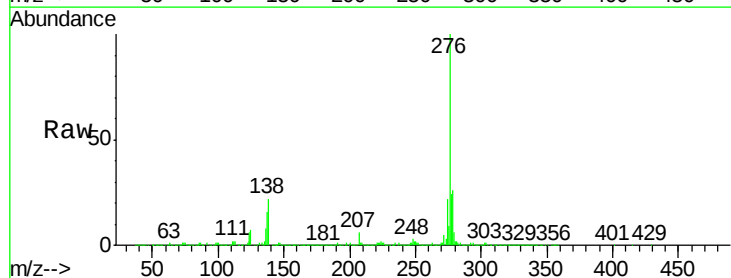


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

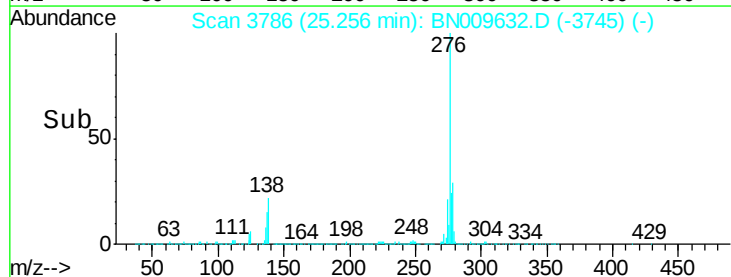
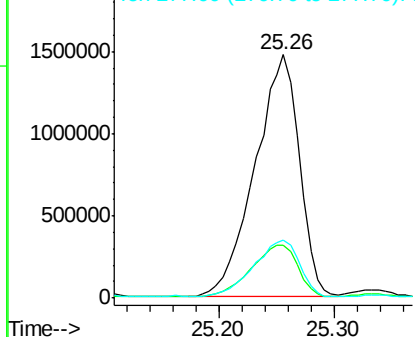


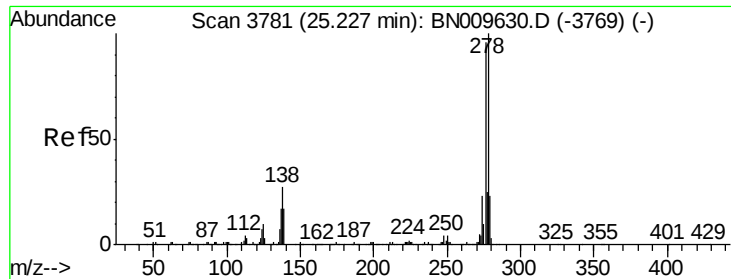
#91
Indeno(1,2,3-cd)pyrene
Concen: 50.32 ng/ul
RT: 25.26 min Scan# 3786
Delta R.T. 0.04 min
Lab File: BN009632.D
Acq: 07 Feb 2020 05:23

Tgt Ion:276 Resp: 3937466
Ion Ratio Lower Upper
276 100
138 21.7 20.3 30.5
277 23.8 21.2 31.8



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: 18.55 ng/ul

RT: 25.24 min Scan# 3784

Delta R.T. 0.02 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

Instrument :

BNA_N

ClientSampled :

GAT61

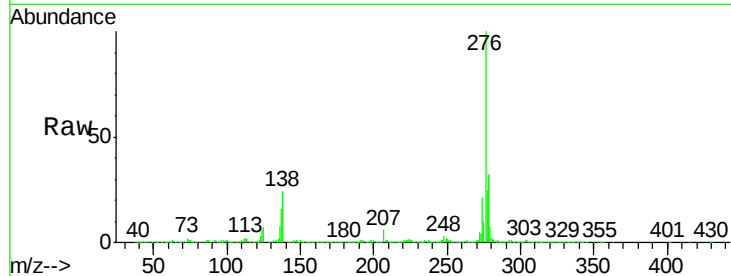
Tgt Ion:278 Resp: 1221999

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

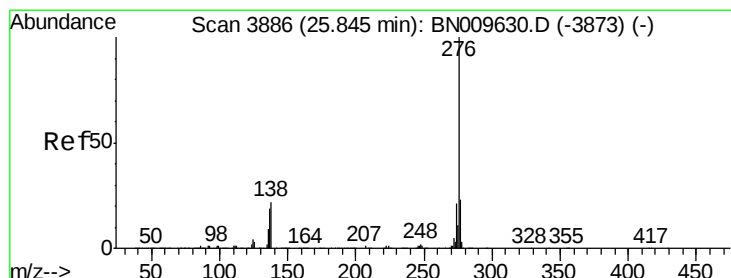
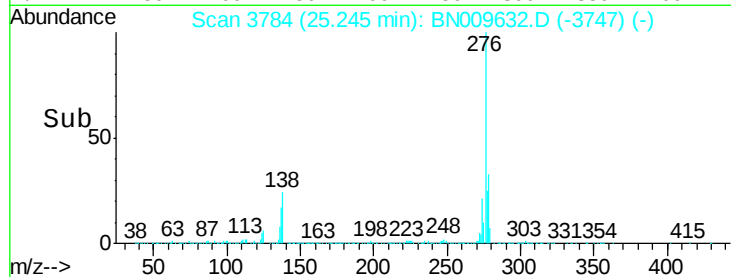
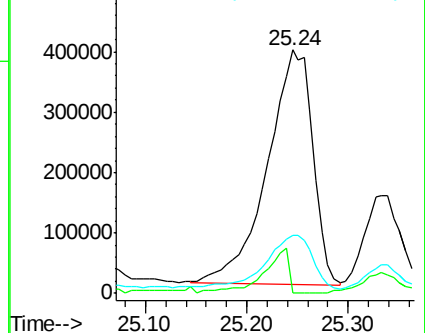
279 23.6 19.8 29.8



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(g,h,i)perylene

Concen: 62.63 ng/ul

RT: 25.89 min Scan# 3894

Delta R.T. 0.05 min

Lab File: BN009632.D

Acq: 07 Feb 2020 05:23

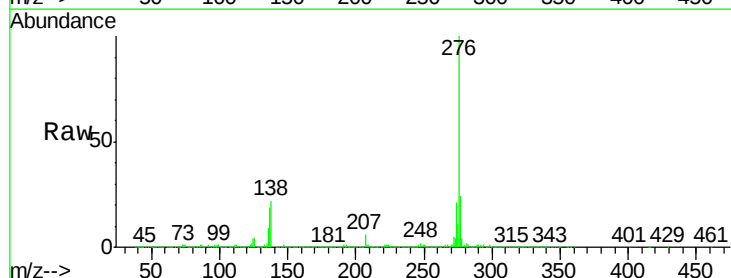
Tgt Ion:276 Resp: 4107089

Ion Ratio Lower Upper

276 100

138 22.2 16.0 24.0

277 24.4 17.0 25.6



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

