

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
 Data File : BN010011.D
 Acq On : 29 Feb 2020 06:55
 Operator : CG/JU
 Sample : L1507-22DL 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 02 05:53:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Feb 29 01:38:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	120011	20.00	ng/ul	0.00
18) Naphthalene-d8	10.12	136	517636	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	320668	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.78	188	624464	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	560575	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	575546	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.62	99	1750	0.17	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	6.76	67	1515	0.22	ng/ul	0.02
9) 2-Chlorophenol-d4	6.93	132	1609	0.21	ng/ul	0.01
13) 4-Methylphenol-d8	8.13	113	1540	0.19	ng/ul	0.04
19) Nitrobenzene-d5	8.55	128	671	0.18	ng/ul	0.02
22) 2-Nitrophenol-d4	9.25	143	242	0.06	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.80	165	1971	0.25	ng/ul	0.04
29) 4-Chloroaniline-d4	10.24	131	2044	0.23	ng/ul	-0.04
44) Dimethylphthalate-d6	13.45	166	8742	0.36	ng/ul	0.00
47) Acenaphthylene-d8	13.70	160	9932	0.35	ng/ul	0.00
52) 4-Nitrophenol-d4	14.26	143	710	0.16	ng/ul	0.00
58) Fluorene-d10	15.03	176	8801	0.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	16.88	188	15420	0.54	ng/ul	0.00
79) Pyrene-d10	19.20	212	14338	0.49	ng/ul	0.01
90) Benzo(a)pyrene-d12	22.97	264	11549	0.40	ng/ul	0.00

Target Compounds

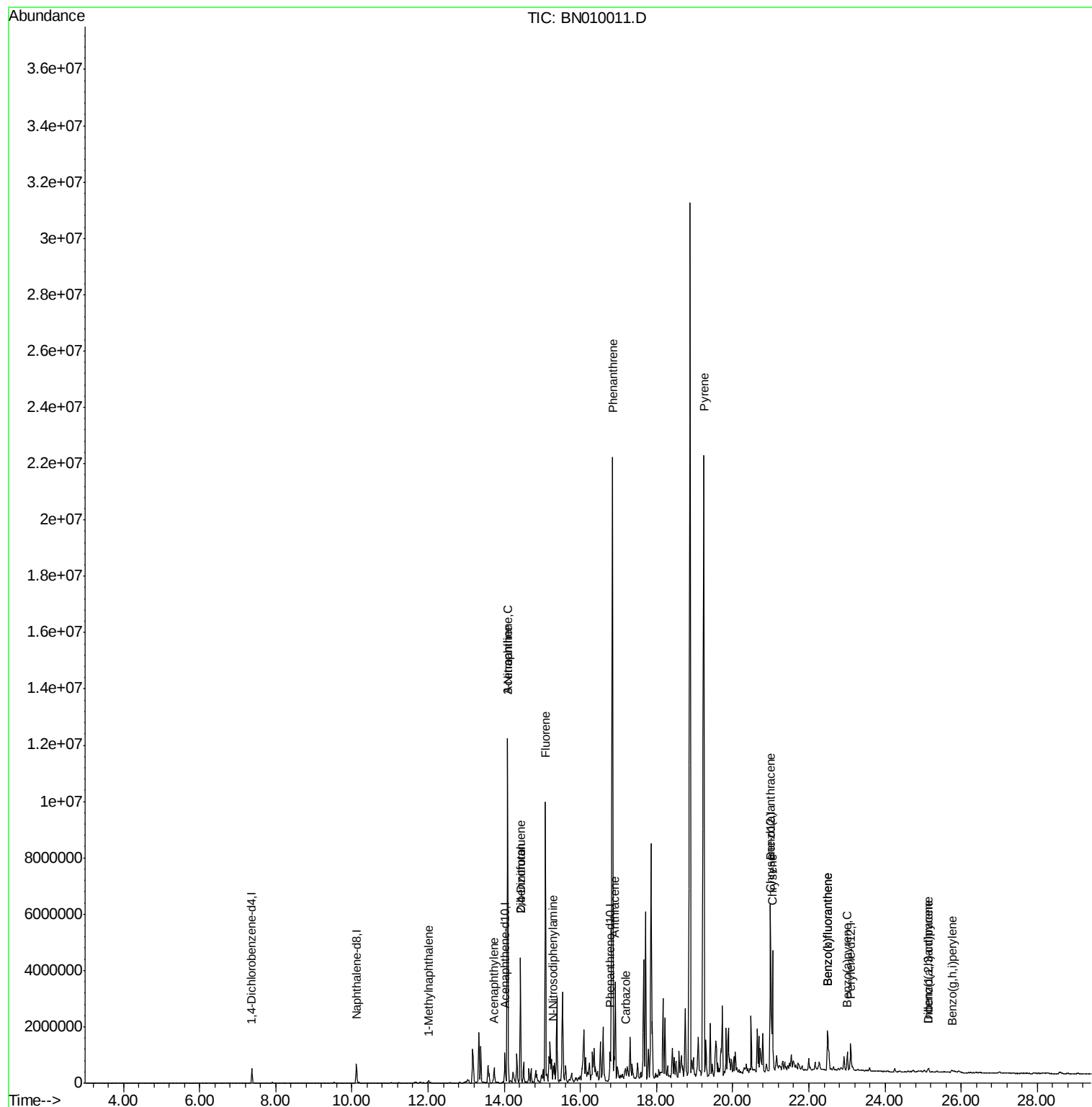
					Ovalue	
35) 1-Methylnaphthalene	12.02	142	37436	1.927	ng/uL	99
48) Acenaphthylene	13.73	152	336081	11.007	ng/ul	98
49) 3-Nitroaniline	14.09	138	5126	1.135	ng/ul#	4
50) Acenaphthene	14.09	153	4679751	223.580	ng/ul	98
54) Dibenzofuran	14.42	168	2318743	78.926	ng/ul	96
55) 2,4-Dinitrotoluene	14.43	165	10834	1.494	ng/ul#	1
59) Fluorene	15.09	166	4090761	165.918	ng/ul	96
65) N-Nitrosodiphenylamine	15.30	169	32962	1.779	ng/ul#	1
70) Phenanthrene	16.85	178	14880192	417.534	ng/ul	96
72) Anthracene	16.92	178	1921007	52.728	ng/ul	99
75) Carbazole	17.19	167	80803	2.519	ng/ul#	85
80) Pyrene	19.25	202	16280346	402.830	ng/ul#	92
83) Benzo(a)anthracene	20.99	228	2712939	70.424	ng/ul	99
85) Chrysene	21.05	228	2213596	58.367	ng/ul	99
88) Benzo(b)fluoranthene	22.49	252	925988	24.815	ng/ul	94
89) Benzo(k)fluoranthene	22.49	252	925988	26.207	ng/ul	97
91) Benzo(a)pyrene	23.01	252	313047	9.327	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	25.14	276	115109	2.889	ng/ul	93
93) Dibenzo(a,h)anthracene	25.13	278	38998	1.144	ng/ul#	84
94) Benzo(g,h,i)perylene	25.76	276	76399	2.287	ng/ul	95

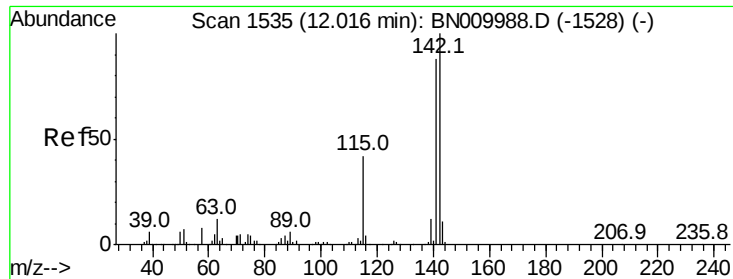
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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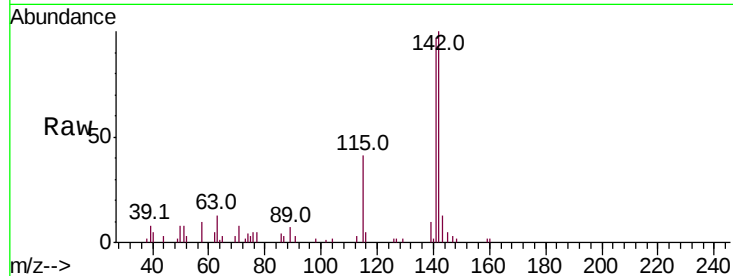




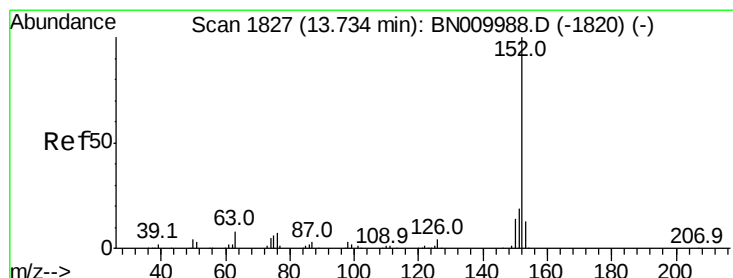
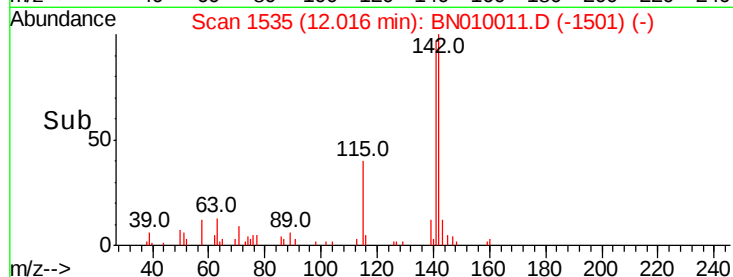
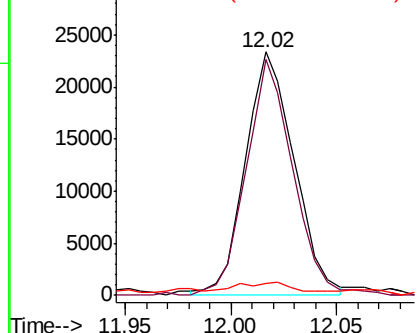
#35
1-Methylnaphthalene
Concen: 1.927 ng/uL
RT: 12.02 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BN010011.D
Acq: 29 Feb 2020 06:55

Instrument :
BNA_N
ClientSampleId :

Tot Ion:142 Resp: 37436
Ion Ratio Lower Upper
142 100
141 91.9 72.8 109.2
116 3.4 3.2 4.8

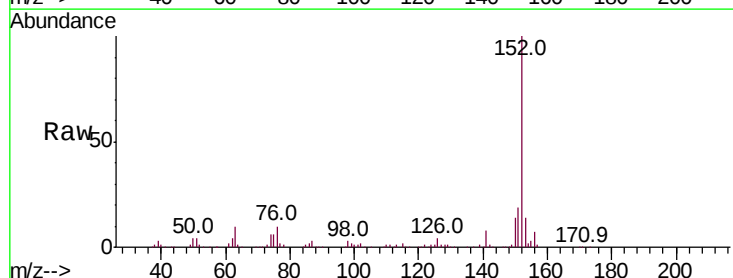


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

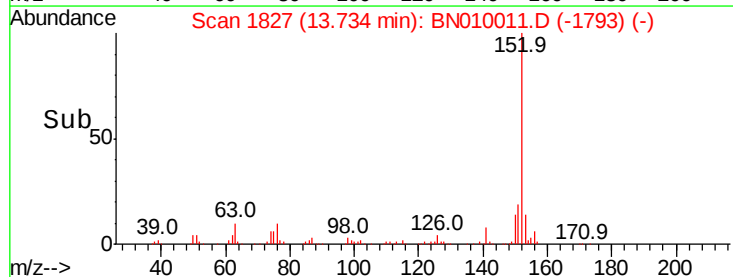
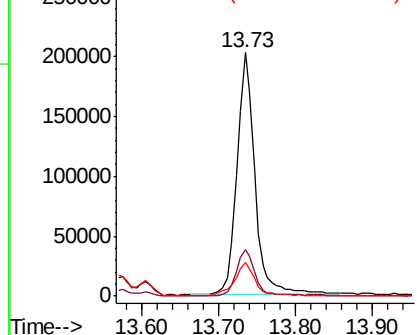


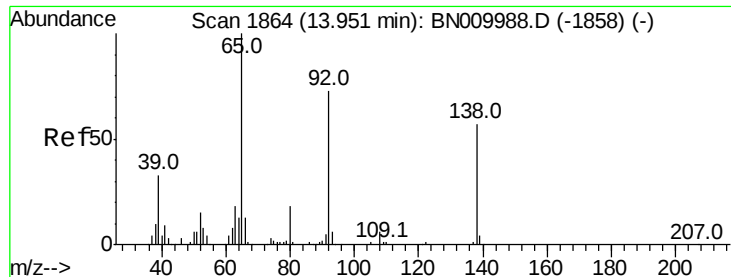
#48
Acenaphthylene
Concen: 11.007 ng/uL
RT: 13.73 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BN010011.D
Acq: 29 Feb 2020 06:55

Tgt Ion:152 Resp: 336081
Ion Ratio Lower Upper
152 100
151 18.9 15.7 23.5
153 14.0 10.3 15.5



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

3-Nitroaniline

Concen: 1.135 ng/ul

RT: 14.09 min Scan# 1888

Delta R.T. 0.14 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

Instrument :

BNA_N

ClientSampleId :

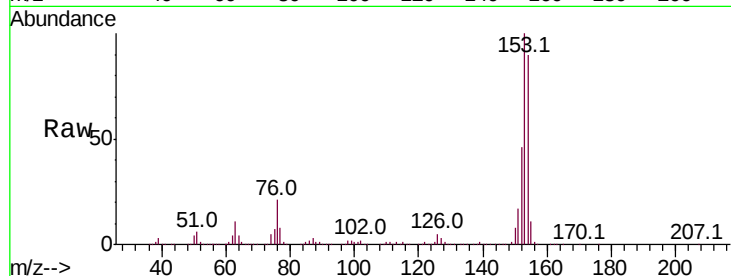
Tot Ion:138 Resp: 5126

Ion Ratio Lower Upper

138 100

108 31.6 8.9 13.3#

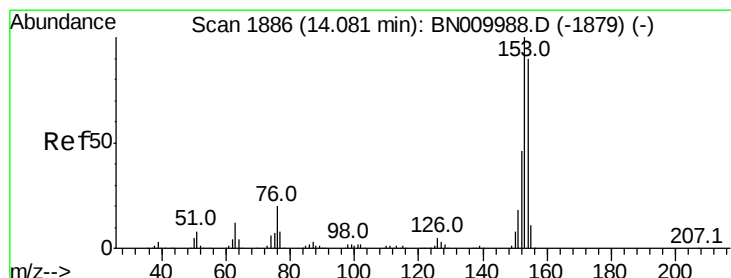
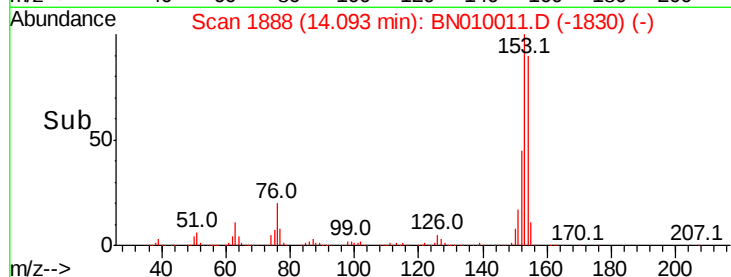
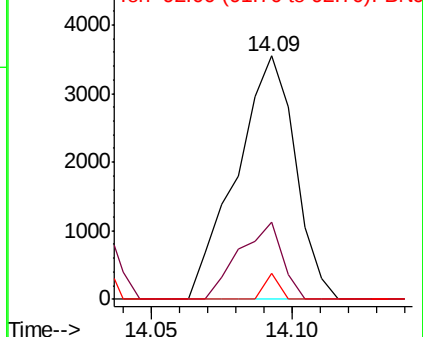
92 10.8 99.2 148.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNO



#50

Acenaphthene

Concen: 223.580 ng/ul

RT: 14.09 min Scan# 1888

Delta R.T. 0.01 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

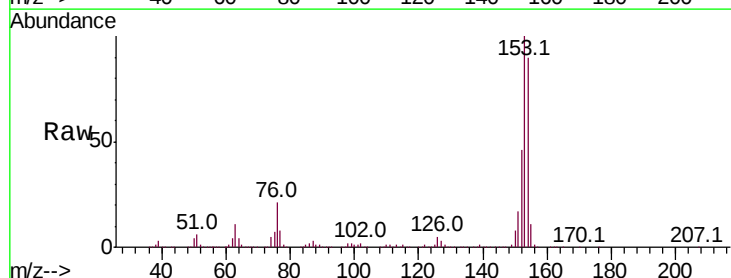
Tgt Ion:153 Resp: 4679751

Ion Ratio Lower Upper

153 100

152 46.1 36.6 54.8

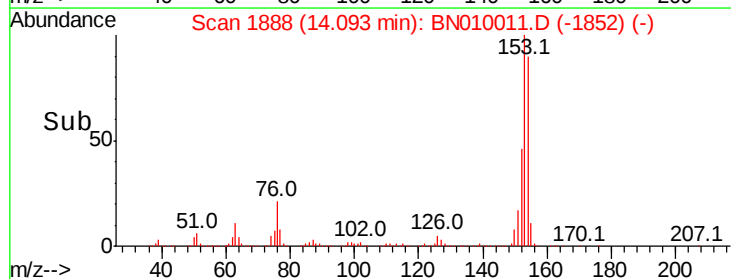
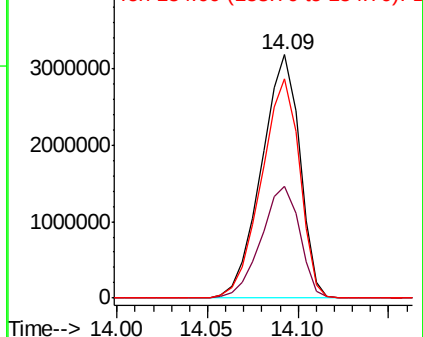
154 90.1 70.6 106.0

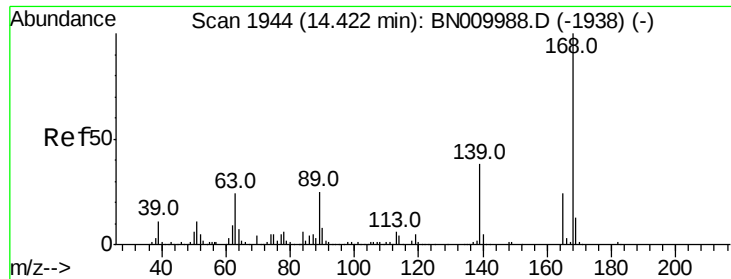


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 78.926 ng/ul

RT: 14.42 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

Instrument :

BNA_N

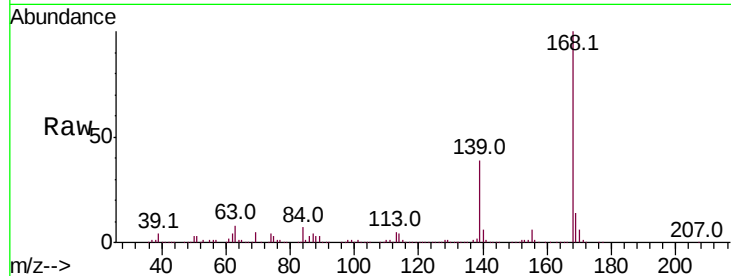
ClientSampled :

Tot Ion:168 Resp: 2318743

Ion Ratio Lower Upper

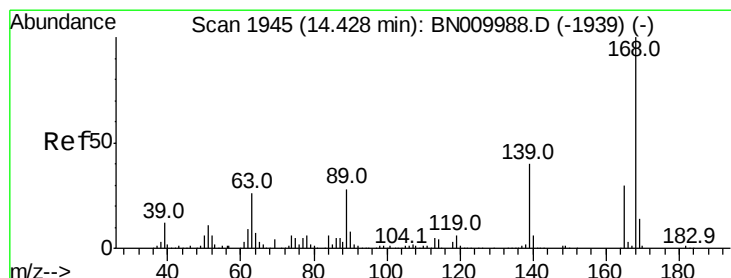
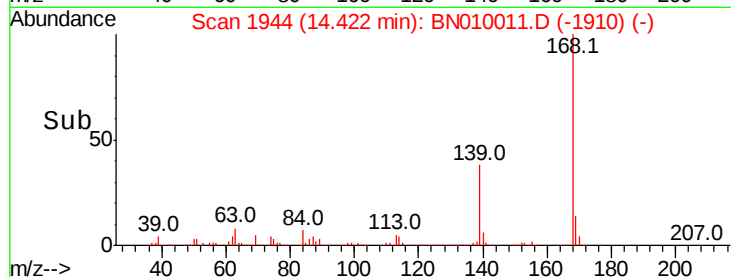
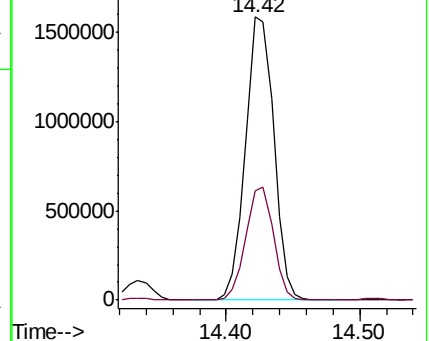
168 100

139 38.7 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#55

2,4-Dinitrotoluene

Concen: 1.494 ng/ul

RT: 14.43 min Scan# 1946

Delta R.T. 0.01 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

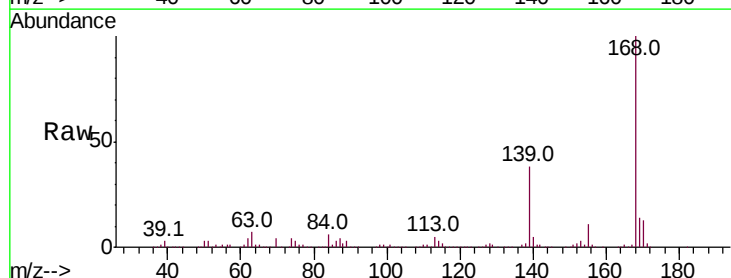
Tgt Ion:165 Resp: 10834

Ion Ratio Lower Upper

165 100

63 1080.8 68.3 102.5#

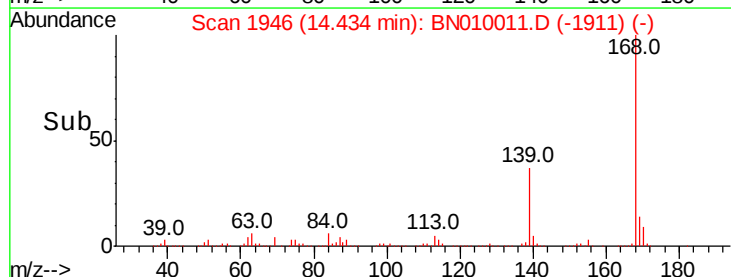
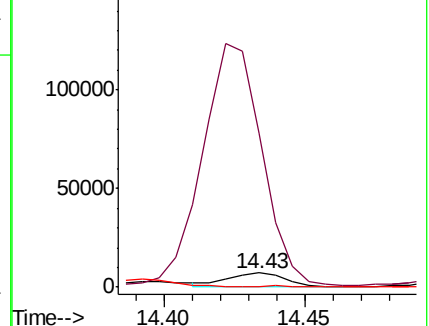
182 5.7 2.2 3.4#

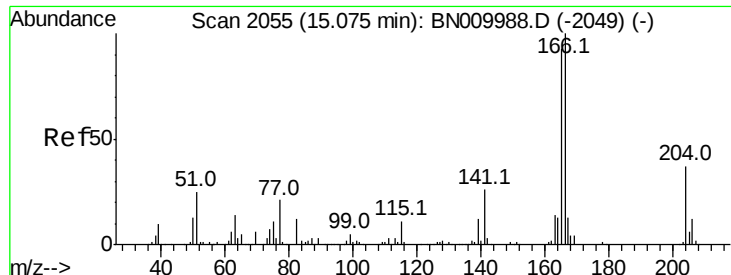


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BN0

Ion 182.00 (181.70 to 182.70): E





#59

Fluorene

Concen: 165.918 ng/ul

RT: 15.09 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

Instrument :

BNA_N

ClientSampleId :

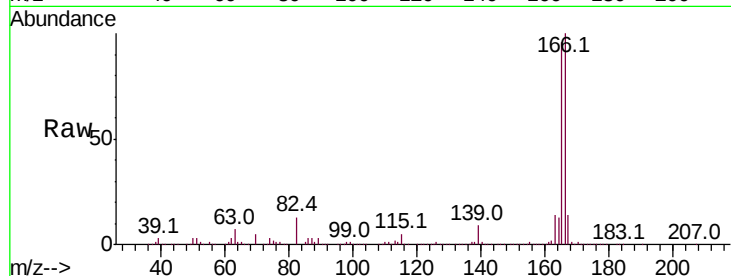
Tot Ion:166 Resp: 4090761

Ion Ratio Lower Upper

166 100

165 95.5 79.8 119.8

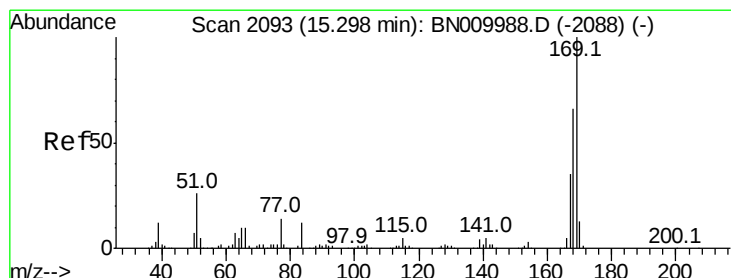
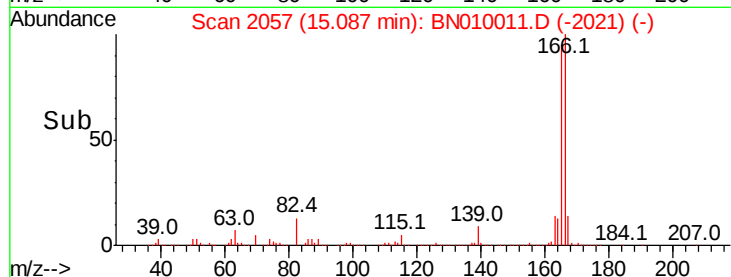
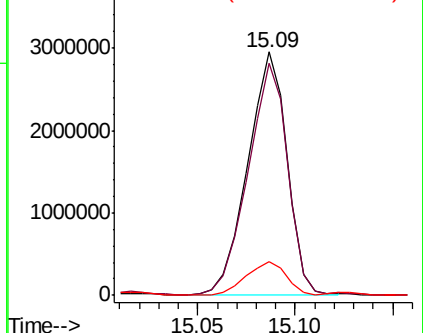
167 13.9 10.7 16.1



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



#65

N-Nitrosodiphenylamine

Concen: 1.779 ng/ul

RT: 15.30 min Scan# 2093

Delta R.T. 0.00 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

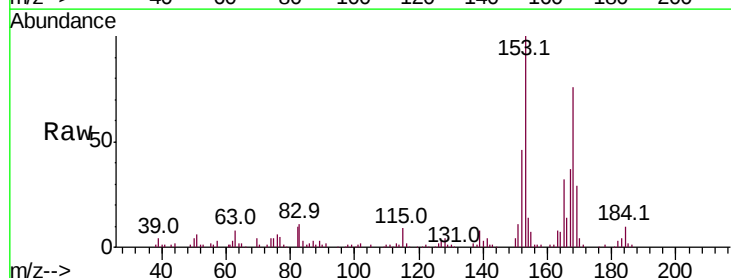
Tgt Ion:169 Resp: 32962

Ion Ratio Lower Upper

169 100

168 257.9 51.8 77.6#

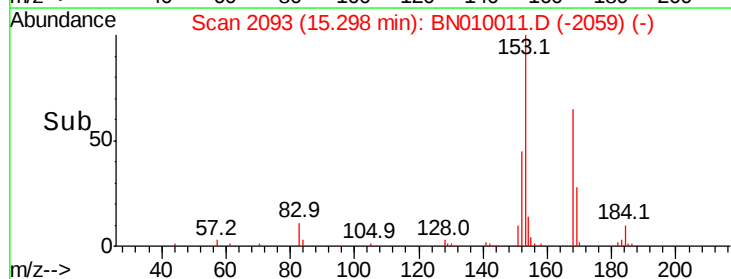
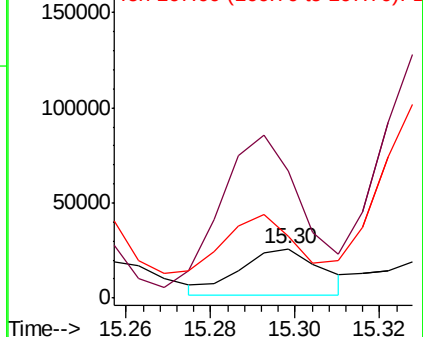
167 125.0 27.7 41.5#

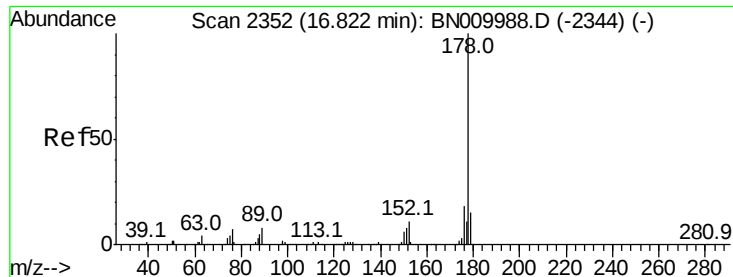


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 417.534 ng/ul

RT: 16.85 min Scan# 2356

Delta R.T. 0.02 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

Instrument :

BNA_N

ClientSampled :

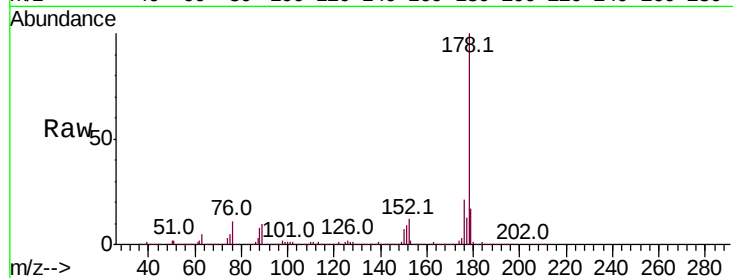
Tot Ion:178 Resp:14880192

Ion Ratio Lower Upper

178 100

179 16.9 12.5 18.7

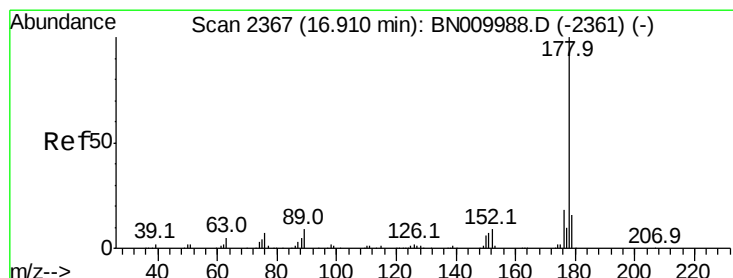
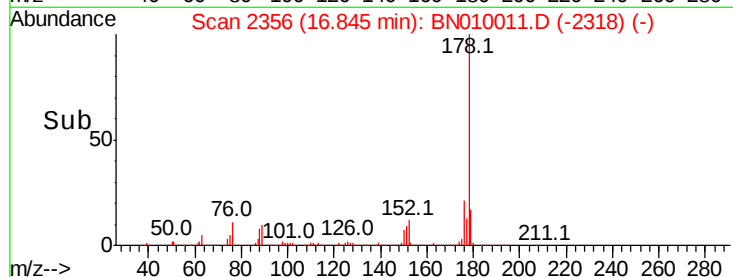
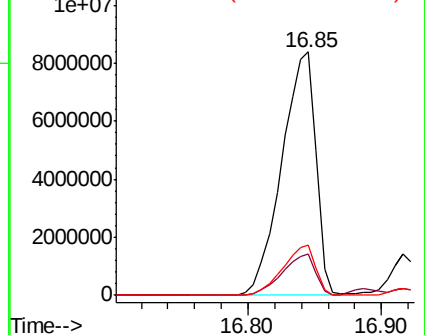
176 20.8 14.6 22.0



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



#72

Anthracene

Concen: 52.728 ng/ul

RT: 16.92 min Scan# 2368

Delta R.T. 0.01 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

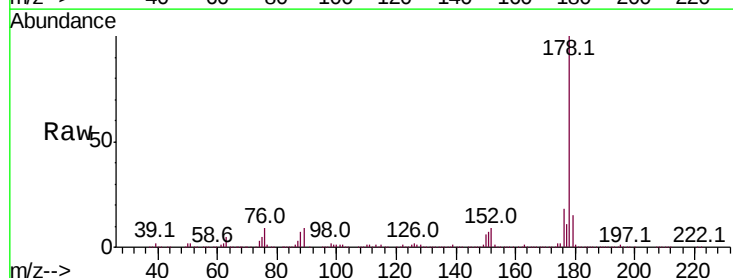
Tgt Ion:178 Resp: 1921007

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

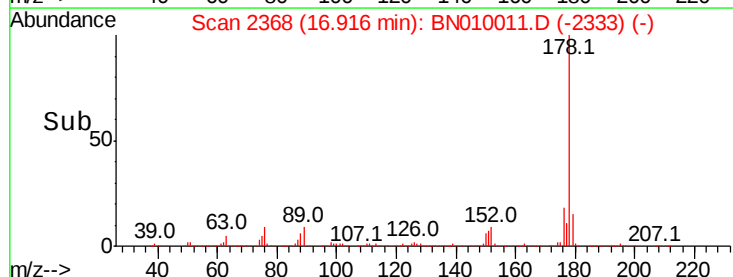
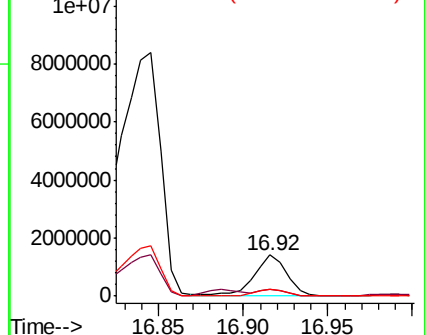
176 17.8 14.6 21.8

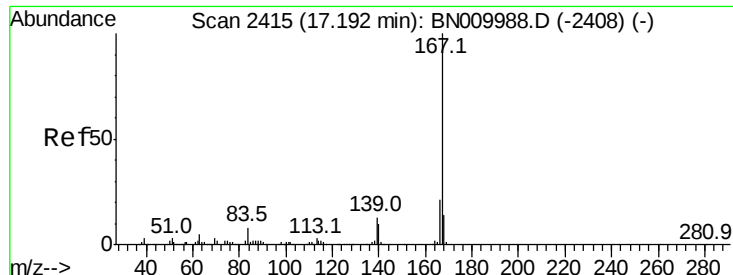


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.519 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. 0.00 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

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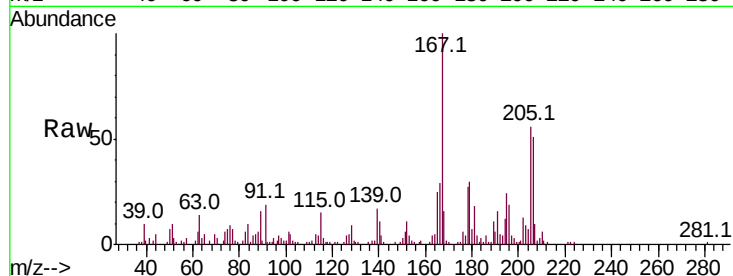
Tot Ion:167 Resp: 80803

Ion Ratio Lower Upper

167 100

166 28.5 16.6 24.8#

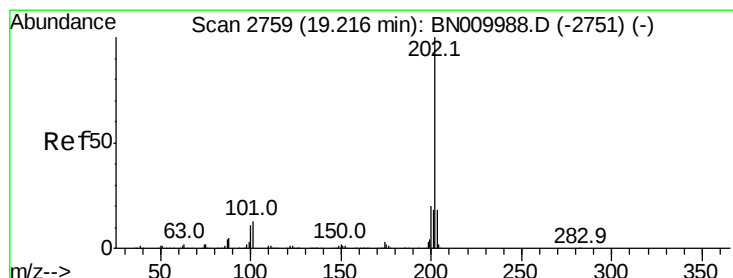
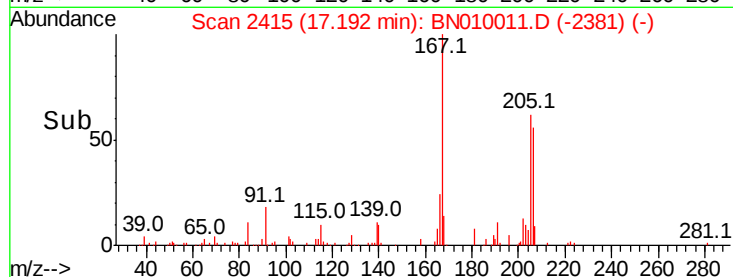
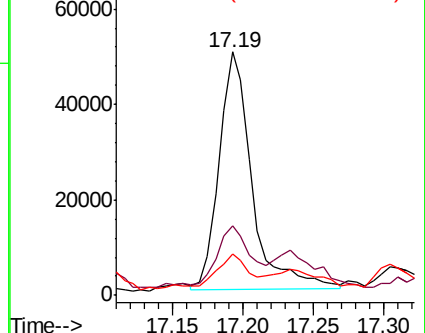
139 16.8 9.9 14.9#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#80

Pyrene

Concen: 402.830 ng/ul

RT: 19.25 min Scan# 2764

Delta R.T. 0.03 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

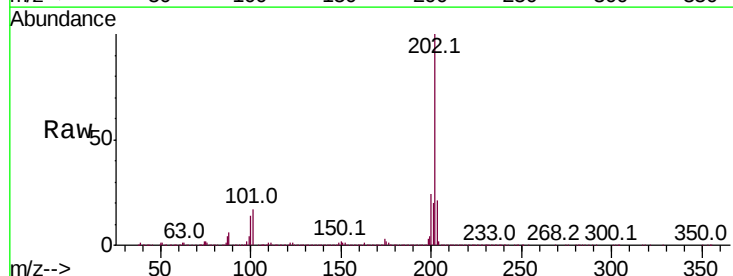
Tgt Ion:202 Resp:16280346

Ion Ratio Lower Upper

202 100

101 17.4 11.3 16.9#

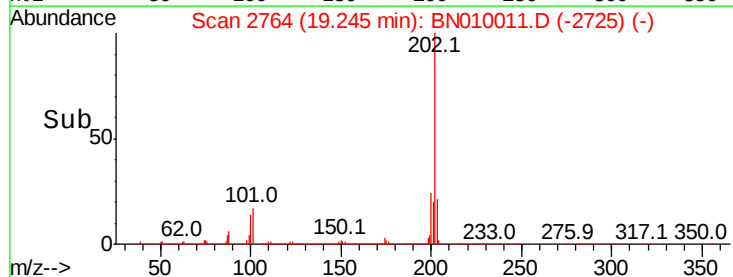
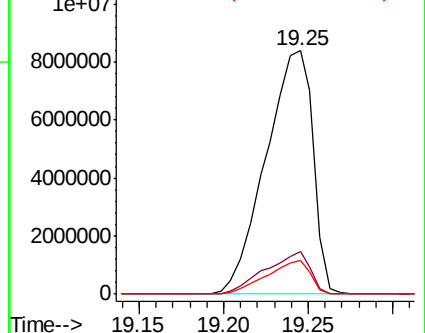
100 14.0 9.0 13.6#

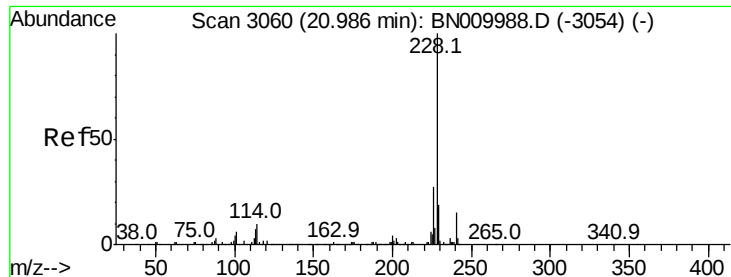


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

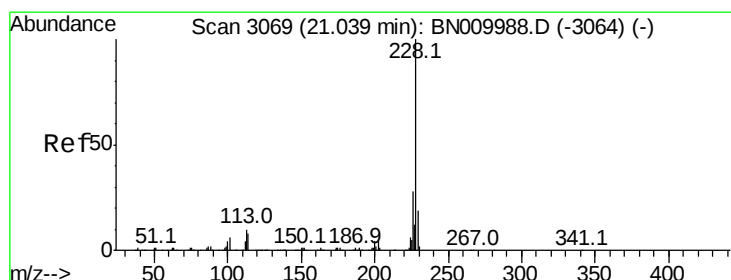
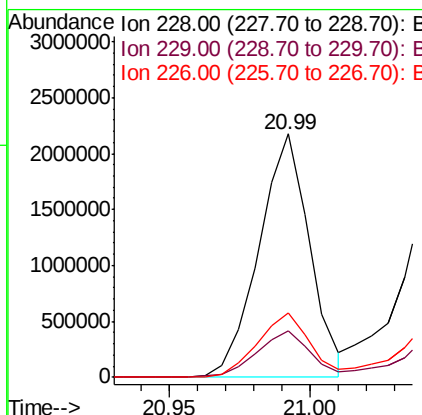
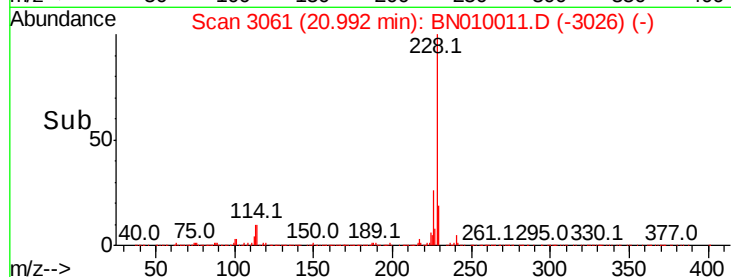
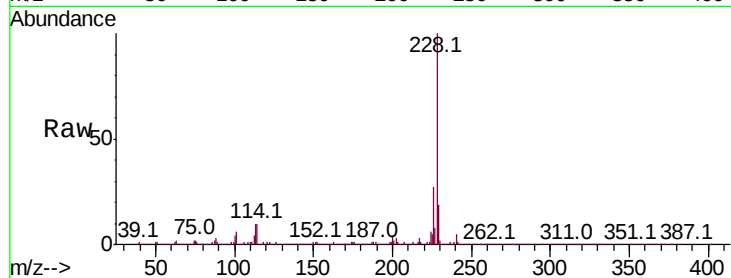




#83
Benzo(a)anthracene
Concen: 70.424 ng/ul
RT: 20.99 min Scan# 3061
Delta R.T. 0.01 min
Lab File: BN010011.D
Acq: 29 Feb 2020 06:55

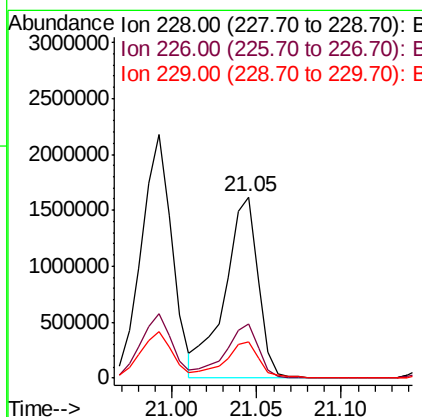
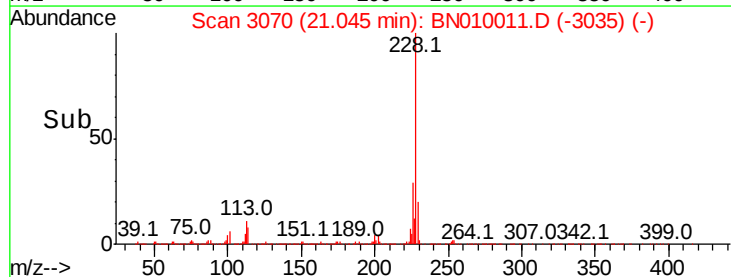
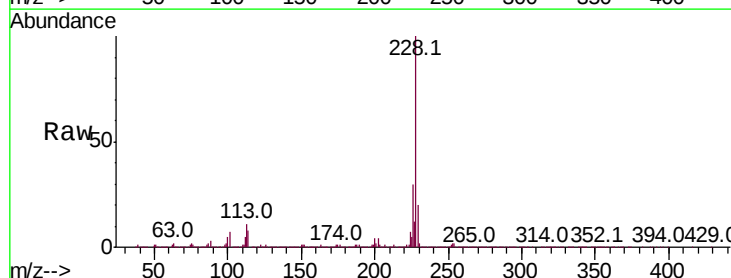
Instrument :
BNA_N
ClientSampled :

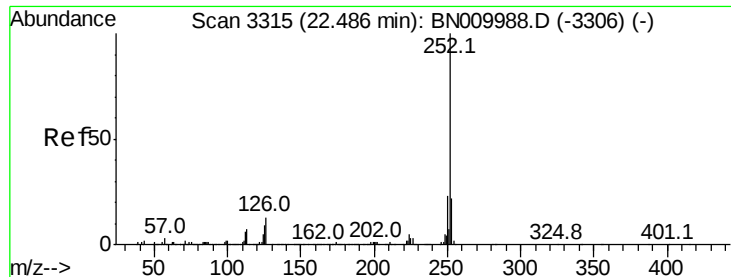
Tot Ion:228 Resp: 2712939
Ion Ratio Lower Upper
228 100
229 19.3 15.0 22.4
226 26.6 21.4 32.2



#85
Chrysene
Concen: 58.367 ng/ul
RT: 21.05 min Scan# 3070
Delta R.T. 0.01 min
Lab File: BN010011.D
Acq: 29 Feb 2020 06:55

Tgt Ion:228 Resp: 2213596
Ion Ratio Lower Upper
228 100
226 29.5 23.4 35.2
229 19.8 15.0 22.4





#88

Benzo(b)fluoranthene

Concen: 24.815 ng/ul

RT: 22.49 min Scan# 3316

Delta R.T. 0.01 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

Instrument :

BNA_N

ClientSampleId :

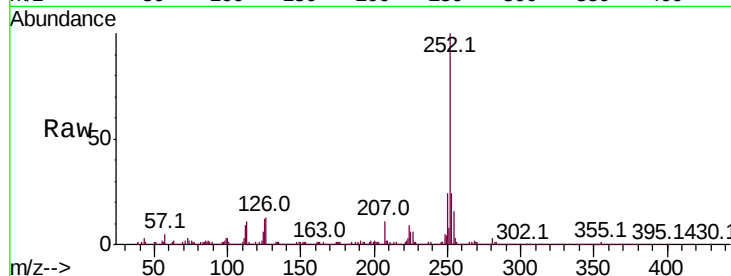
Tot Ion:252 Resp: 925988

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.4

125 12.0 8.0 12.0

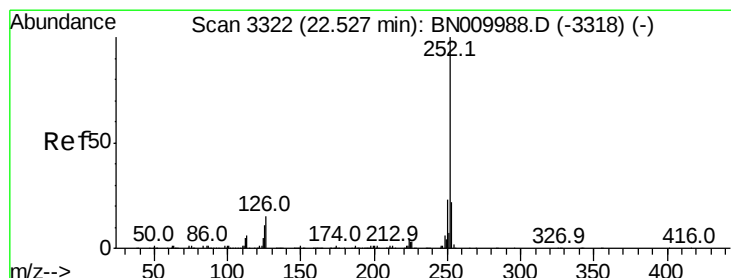
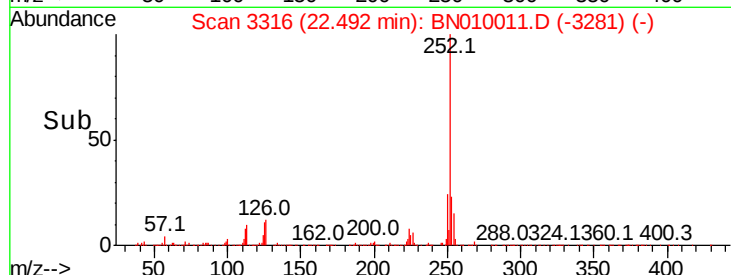
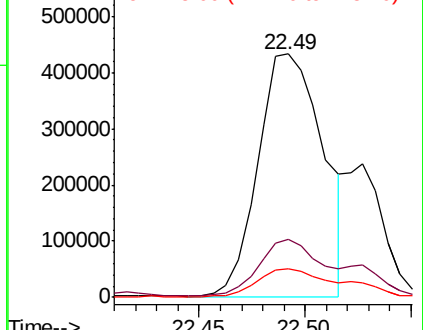


Abundance

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



#89

Benzo(k)fluoranthene

Concen: 26.207 ng/ul

RT: 22.49 min Scan# 3316

Delta R.T. -0.04 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

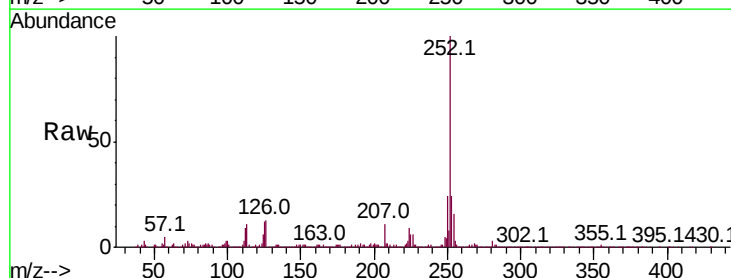
Tgt Ion:252 Resp: 925988

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

125 12.0 8.2 12.2

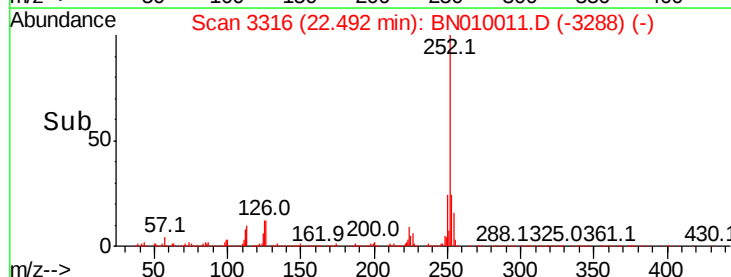
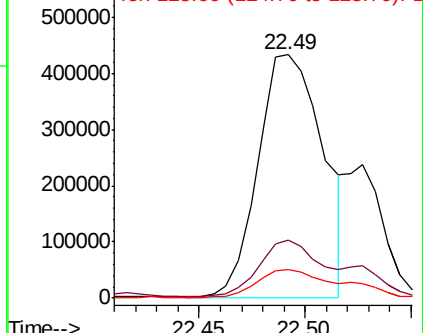


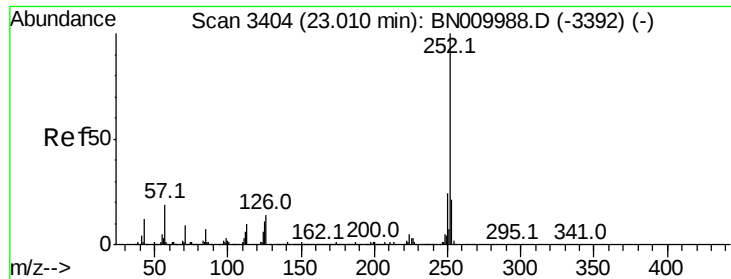
Abundance

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

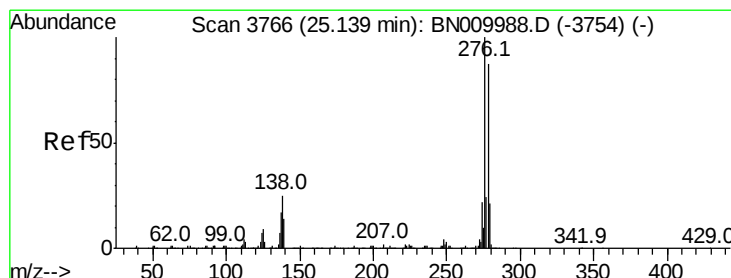
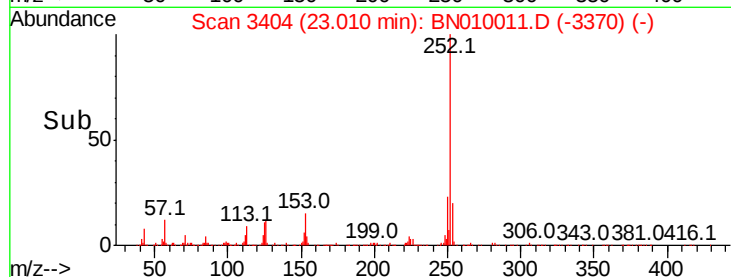
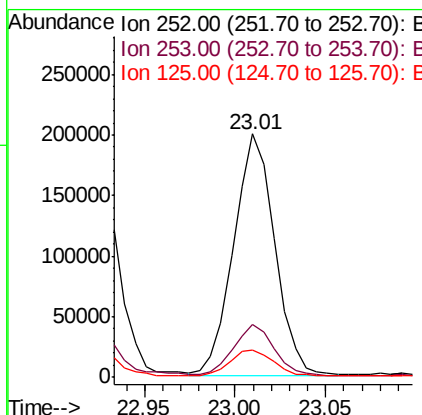
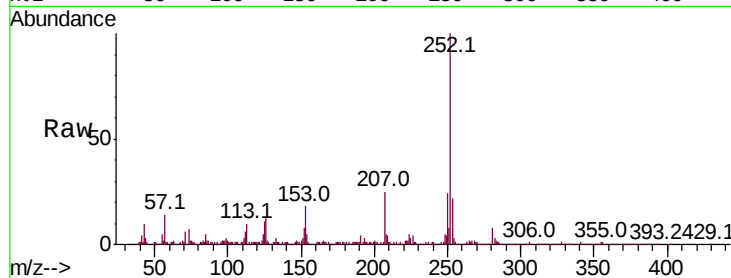




#91
Benzo(a)pyrene
Concen: 9.327 ng/ul
RT: 23.01 min Scan# 3404
Delta R.T. 0.00 min
Lab File: BN010011.D
Acq: 29 Feb 2020 06:55

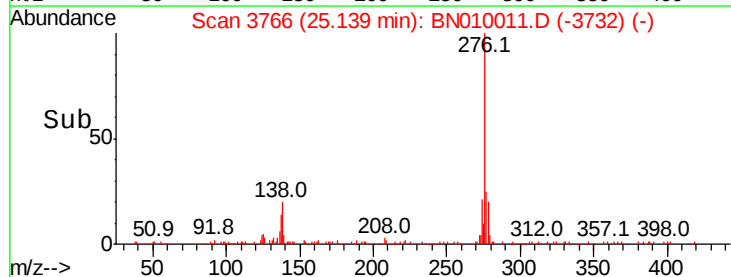
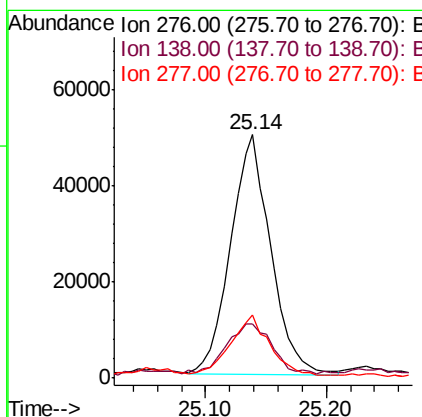
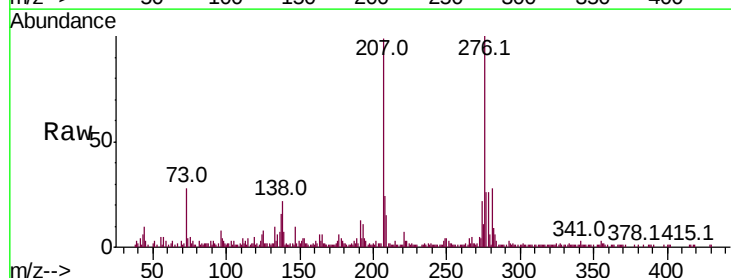
Instrument :
BNA_N
ClientSampleId :

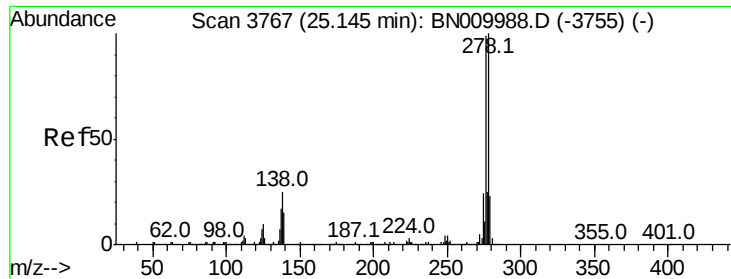
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	11.3	9.0	13.6



#92
Indeno(1,2,3-cd)pyrene
Concen: 2.889 ng/ul
RT: 25.14 min Scan# 3766
Delta R.T. 0.00 min
Lab File: BN010011.D
Acq: 29 Feb 2020 06:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	20.9	31.3
277	25.8	18.2	27.4





#93

Dibenzo(a,h)anthracene

Concen: 1.144 ng/ul

RT: 25.13 min Scan# 3765

Delta R.T. -0.01 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

Instrument :

BNA_N

ClientSampleId :

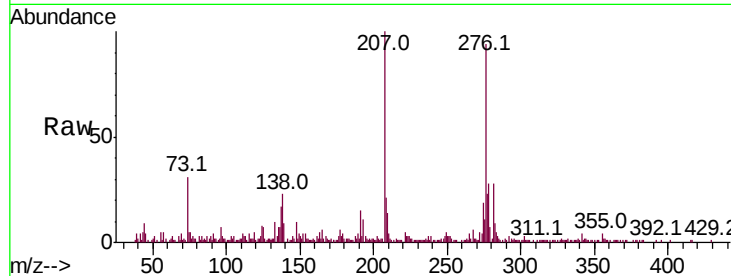
Tot Ion:278 Resp: 38998

Ion Ratio Lower Upper

278 100

139 30.4 13.0 19.4#

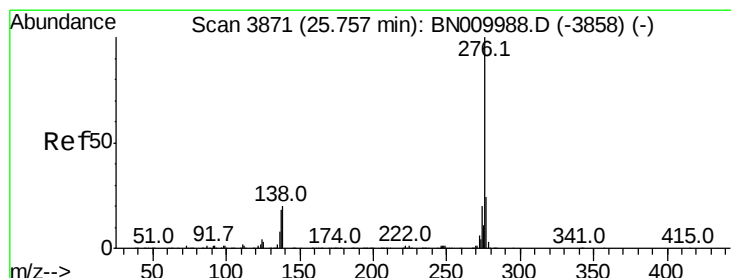
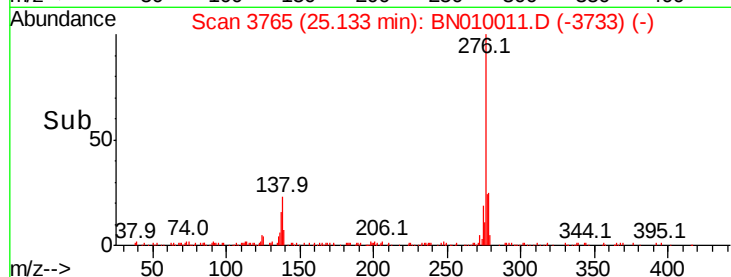
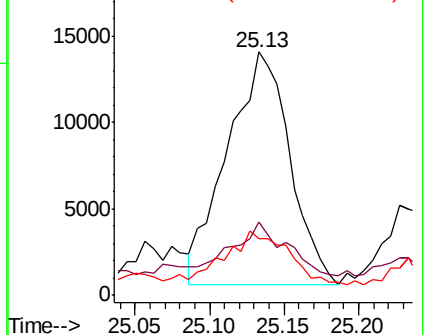
279 23.5 17.5 26.3



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



#94

Benzo(g,h,i)perylene

Concen: 2.287 ng/ul

RT: 25.76 min Scan# 3871

Delta R.T. 0.00 min

Lab File: BN010011.D

Acq: 29 Feb 2020 06:55

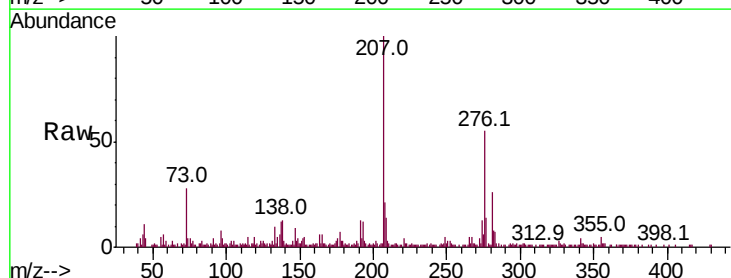
Tgt Ion:276 Resp: 76399

Ion Ratio Lower Upper

276 100

138 24.1 17.5 26.3

277 25.0 18.1 27.1



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

