

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
 Data File : BN010007.D
 Acq On : 29 Feb 2020 04:31
 Operator : CG/JU
 Sample : L1507-17DL 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 02 05:52:21 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	107810	20.00	ng/ul	0.00
18) Naphthalene-d8	10.12	136	472992	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	324490	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.79	188	601819	20.00	ng/ul	0.02
78) Chrysene-d12	21.02	240	554923	20.00	ng/ul	0.02
86) Perylene-d12	23.10	264	587053	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	268	0.10	ng/uL	0.01
5) Phenol-d5	6.59	99	18090	1.97	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.74	67	13766	2.18	ng/ul	0.00
9) 2-Chlorophenol-d4	6.92	132	14344	2.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.10	113	16187	2.22	ng/ul	0.01
19) Nitrobenzene-d5	8.53	128	11510	3.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.23	143	7746	2.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.78	165	15546	2.14	ng/ul	0.02
29) 4-Chloroaniline-d4	10.29	131	26131	3.20	ng/ul	0.01
44) Dimethylphthalate-d6	13.45	166	51390	2.12	ng/ul	0.00
47) Acenaphthylene-d8	13.70	160	63313	2.22	ng/ul	0.00
52) 4-Nitrophenol-d4	14.30	143	6308	1.43	ng/ul	0.04
58) Fluorene-d10	15.03	176	50064	2.39	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.24	200	1015	0.27	ng/ul	0.06
71) Anthracene-d10	16.91	188	75428	2.73	ng/ul	0.04
79) Pyrene-d10	19.20	212	78406	2.70	ng/ul	0.02
90) Benzo(a)pyrene-d12	22.97	264	70982	2.42	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.19	128	16099570	631.200	ng/ul	97
30) 4-Chloroaniline	10.19	127	2205811	263.441	ng/ul#	5
34) 2-Methylnaphthalene	11.82	142	12763382	720.655	ng/ul	100
35) 1-Methylnaphthalene	12.03	142	6143068	346.037	ng/uL	99
41) 1,1'-Biphenyl	12.84	154	3747761	150.376	ng/ul	99
48) Acenaphthylene	13.73	152	325373	10.531	ng/ul#	87
50) Acenaphthene	14.12	153	19133536	903.359	ng/ul	91
54) Dibenzofuran	14.45	168	16650953	560.097	ng/ul	91
55) 2,4-Dinitrotoluene	14.44	165	16100	2.194	ng/ul#	1
59) Fluorene	15.11	166	15460683	619.686	ng/ul	96
61) 4-Nitroaniline	15.11	138	183631	32.944	ng/ul#	13
65) N-Nitrosodiphenylamine	15.33	169	87198	4.883	ng/ul#	1
70) Phenanthrene	16.95	178	7997894	232.863	ng/ul	98
72) Anthracene	16.95	178	7997894	227.789	ng/ul	97
75) Carbazole	17.20	167	3936016	127.298	ng/ul	98
77) Fluoranthene	19.02	202	63240	1.572	ng/ul	99
80) Pyrene	19.15	202	69123	1.728	ng/ul#	94
83) Benzo(a)anthracene	21.01	228	11715303	307.208	ng/ul	98
85) Chrysene	21.06	228	6712887	178.804	ng/ul	96
88) Benzo(b)fluoranthene	22.50	252	6756865	177.521	ng/ul	97
89) Benzo(k)fluoranthene	22.50	252	6756865	187.481	ng/ul	99
91) Benzo(a)pyrene	23.03	252	3925602	114.671	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.14	276	1148489	28.257	ng/ul#	92

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

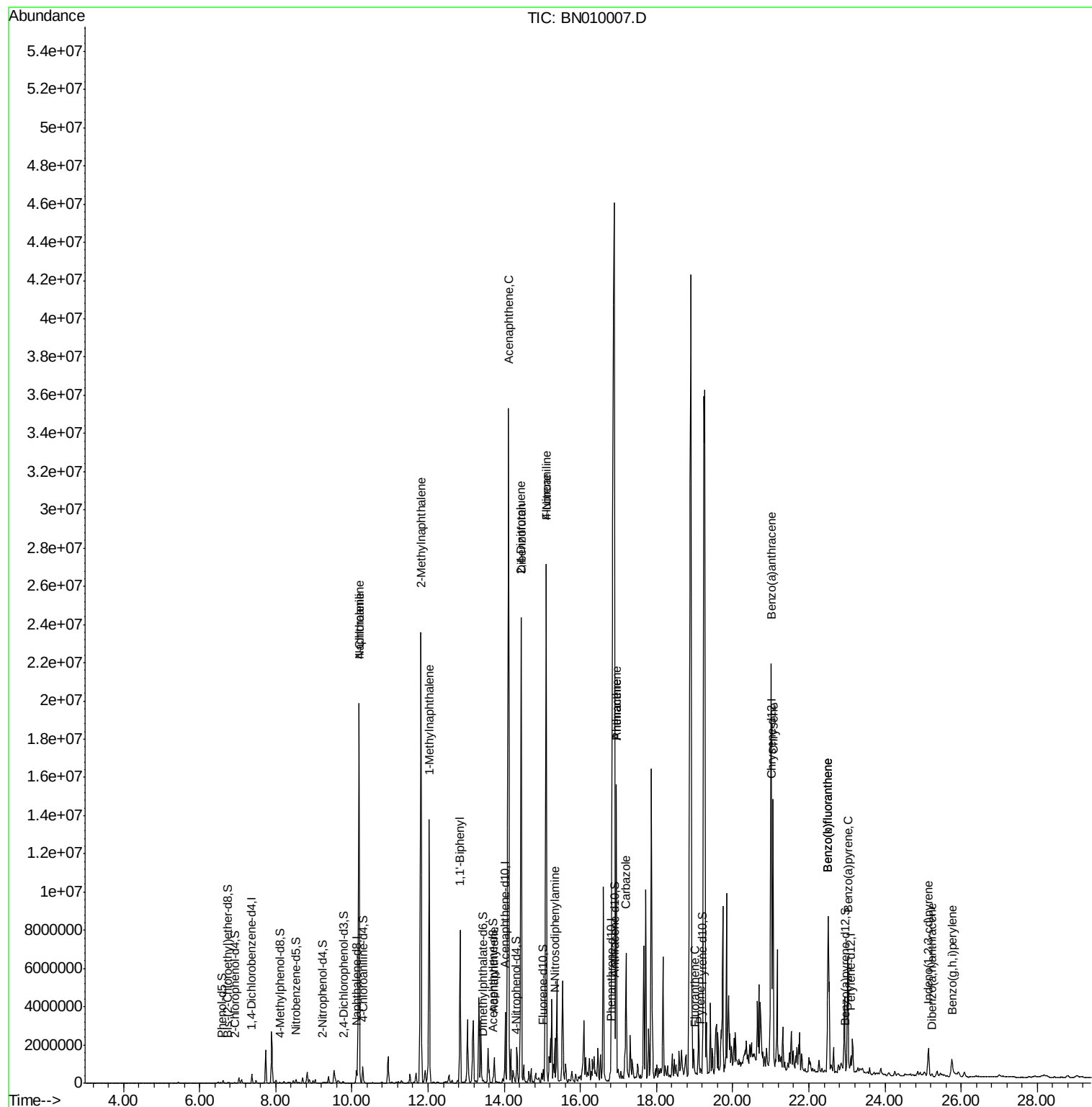
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	25.23	278	110116	3.167	ng/ul	95
94) Benzo(g,h,i)perylene	25.76	276	876360	25.715	ng/ul	97

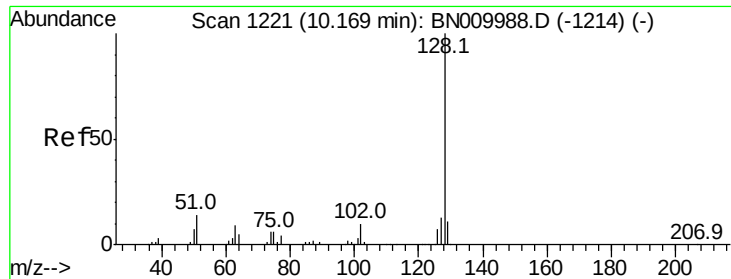
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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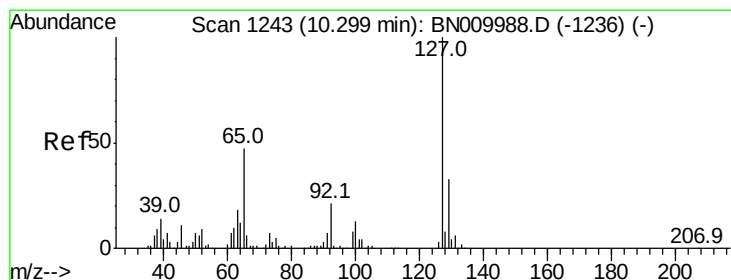
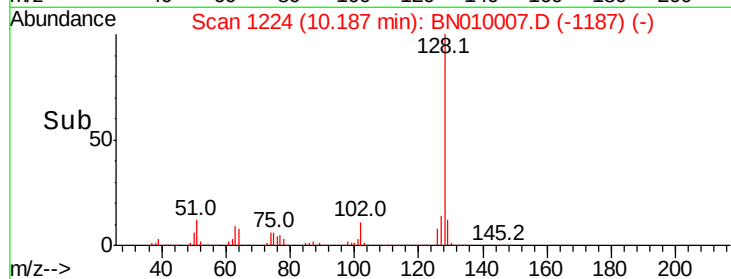
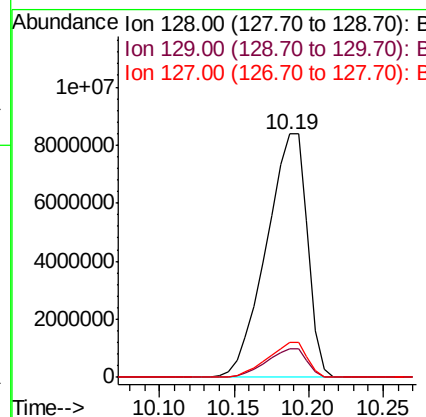
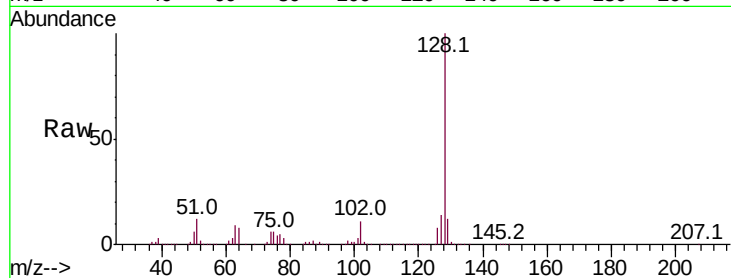




#28
Naphthalene
Concen: 631.200 ng/ul
RT: 10.19 min Scan# 1224
Delta R.T. 0.02 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

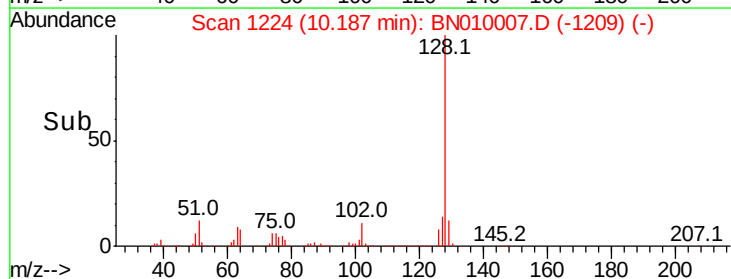
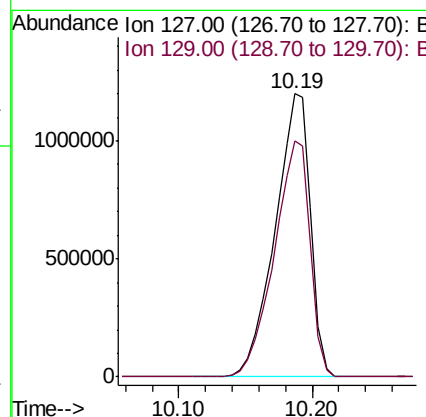
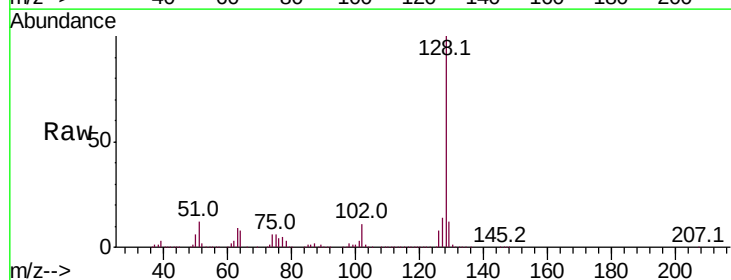
Instrument :
BNA_N
ClientSampled :

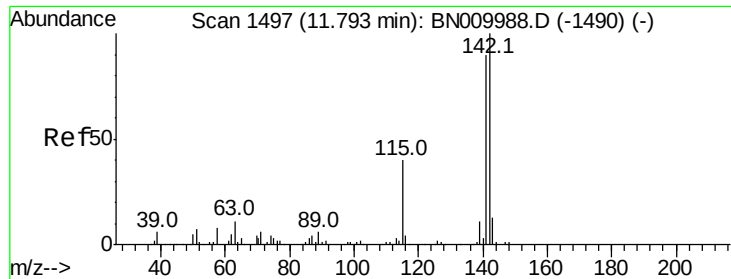
Tot Ion:128 Resp:16099570
Ion Ratio Lower Upper
128 100
129 11.9 8.6 13.0
127 14.3 10.3 15.5



#30
4-Chloroaniline
Concen: 263.441 ng/ul
RT: 10.19 min Scan# 1224
Delta R.T. -0.11 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

Tgt Ion:127 Resp: 2205811
Ion Ratio Lower Upper
127 100
129 83.2 24.8 37.2#

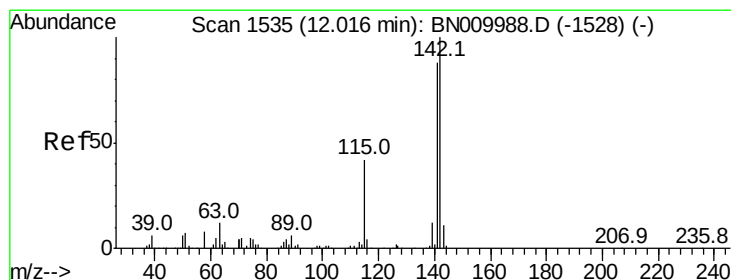
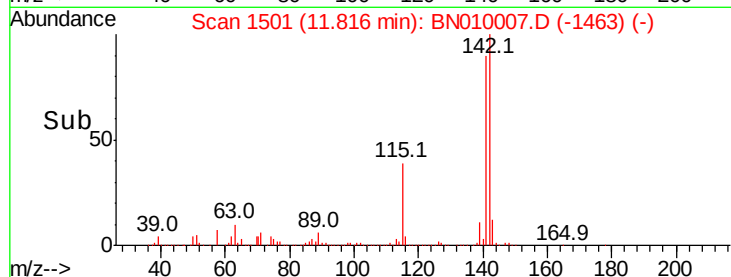
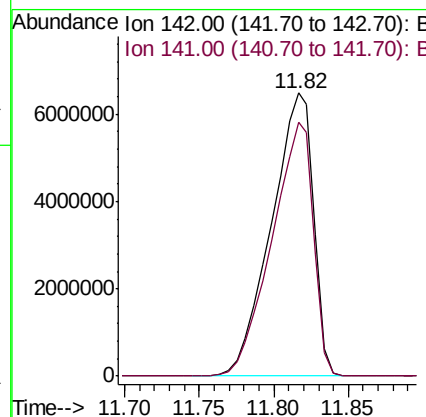
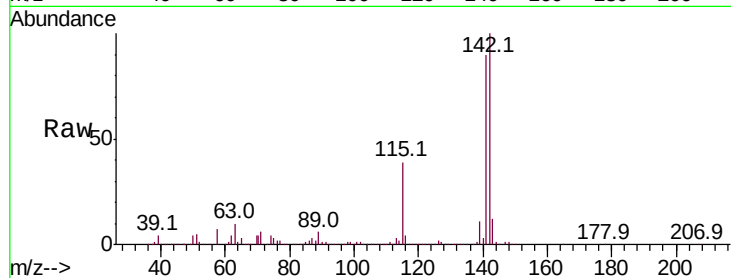




#34
2-Methylnaphthalene
Concen: 720.655 ng/uL
RT: 11.82 min Scan# 1501
Delta R.T. 0.02 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

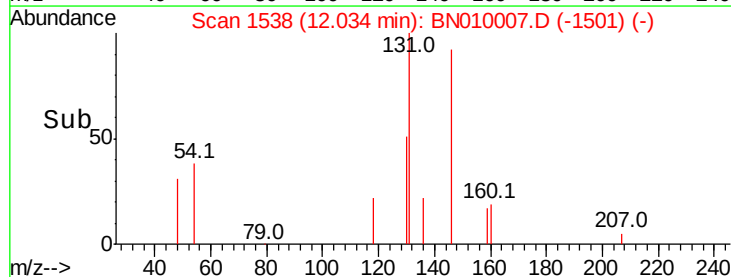
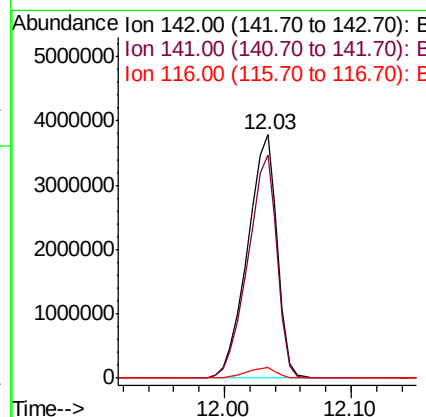
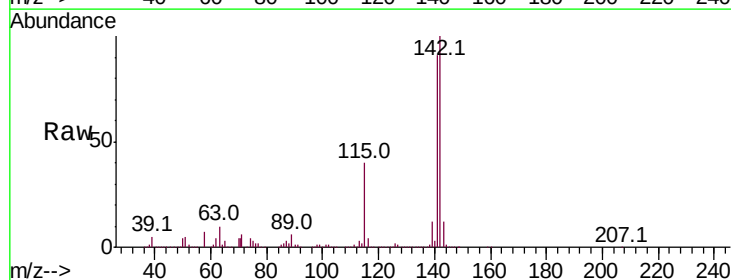
Instrument :
BNA_N
ClientSampleId :

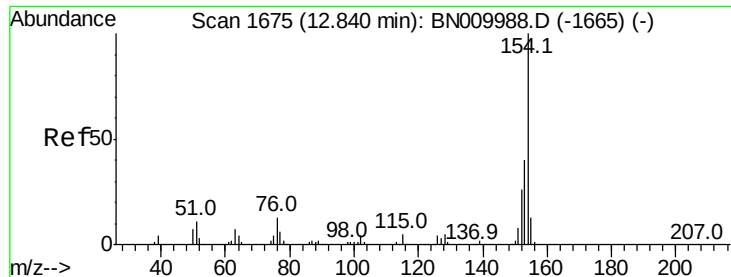
Tot Ion:142 Resp:12763382
Ion Ratio Lower Upper
142 100
141 89.8 72.1 108.1



#35
1-Methylnaphthalene
Concen: 346.037 ng/uL
RT: 12.03 min Scan# 1538
Delta R.T. 0.02 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

Tgt Ion:142 Resp: 6143068
Ion Ratio Lower Upper
142 100
141 90.5 72.8 109.2
116 4.3 3.2 4.8





#41

1,1'-Biphenyl

Concen: 150.376 ng/ul

RT: 12.84 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BN010007.D

Acq: 29 Feb 2020 04:31

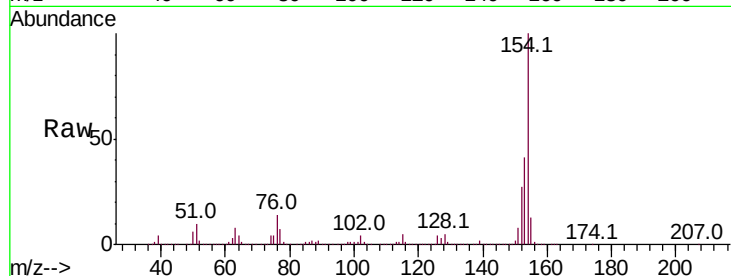
Instrument :

BNA_N

ClientSampleId :

Tot Ion:154 Resp: 3747761

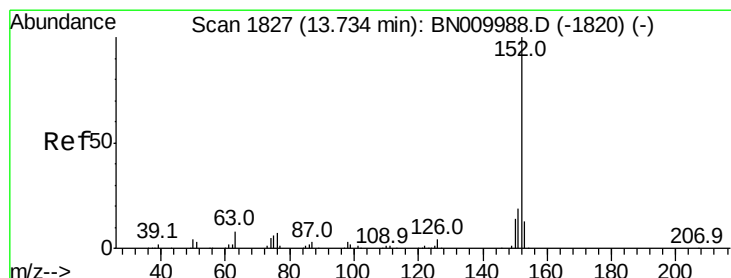
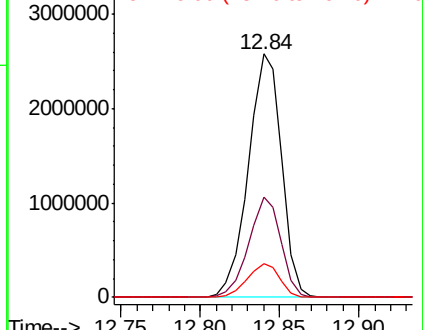
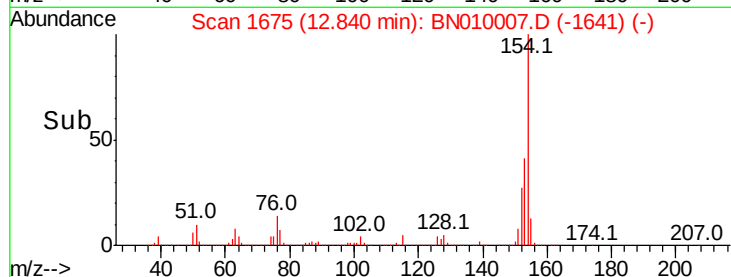
Ion	Ratio	Lower	Upper
154	100		
153	40.9	33.2	49.8
76	14.0	11.0	16.4



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): BNO



#48

Acenaphthylene

Concen: 10.531 ng/ul

RT: 13.73 min Scan# 1827

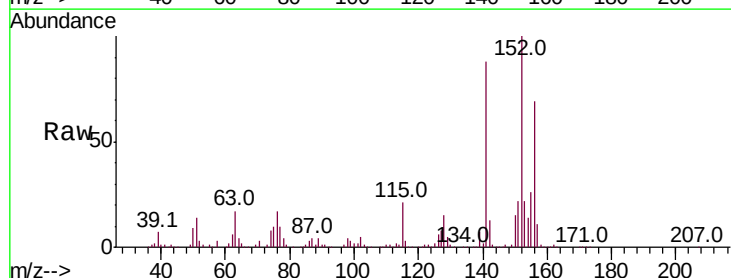
Delta R.T. 0.00 min

Lab File: BN010007.D

Acq: 29 Feb 2020 04:31

Tgt Ion:152 Resp: 325373

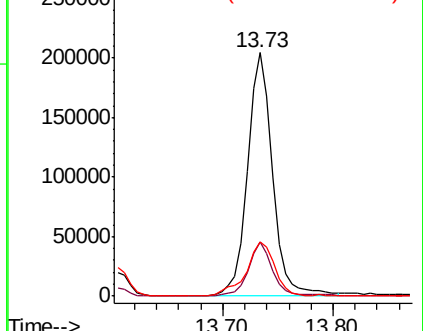
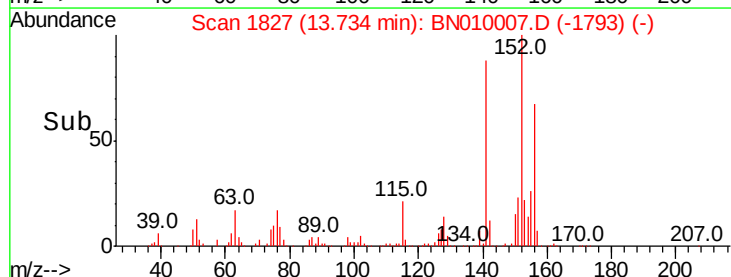
Ion	Ratio	Lower	Upper
152	100		
151	22.5	15.7	23.5
153	22.1	10.3	15.5#

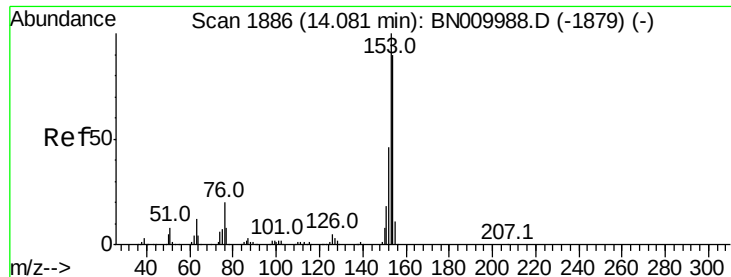


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 903.359 ng/ul

RT: 14.12 min Scan# 1892

Delta R.T. 0.04 min

Lab File: BN010007.D

Acq: 29 Feb 2020 04:31

Instrument :

BNA_N

ClientSampleId :

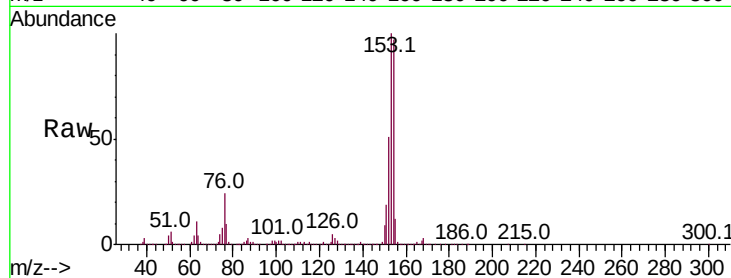
Tot Ion:153 Resp:19133536

Ion Ratio Lower Upper

153 100

152 50.8 36.6 54.8

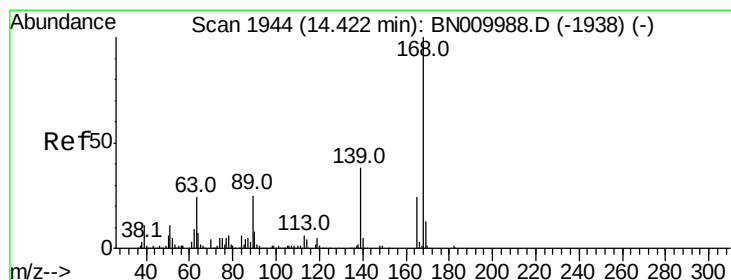
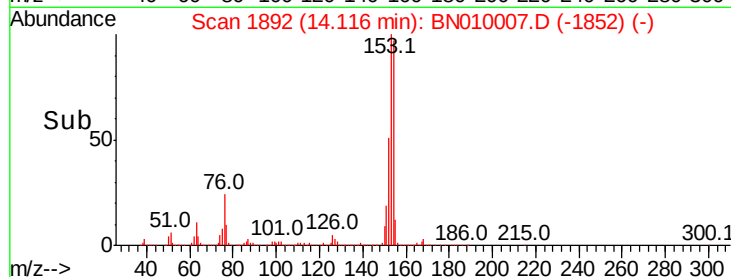
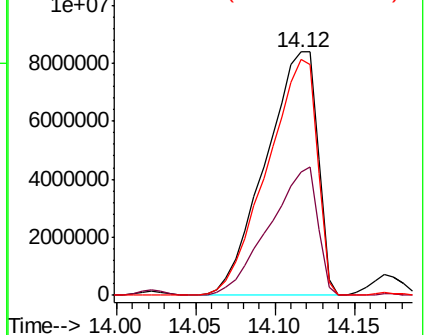
154 97.0 70.6 106.0



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: 560.097 ng/ul

RT: 14.45 min Scan# 1948

Delta R.T. 0.02 min

Lab File: BN010007.D

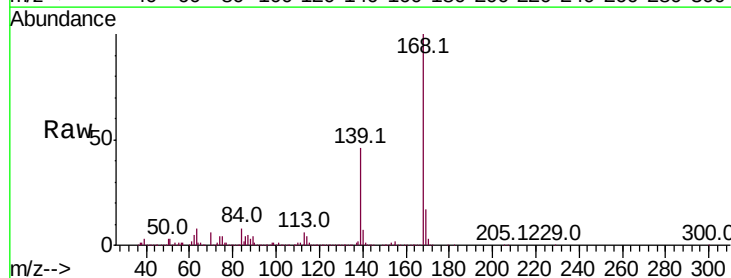
Acq: 29 Feb 2020 04:31

Tgt Ion:168 Resp:16650953

Ion Ratio Lower Upper

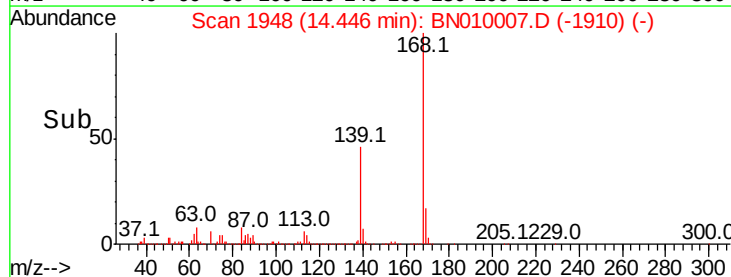
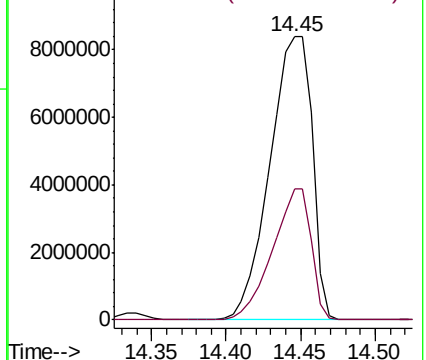
168 100

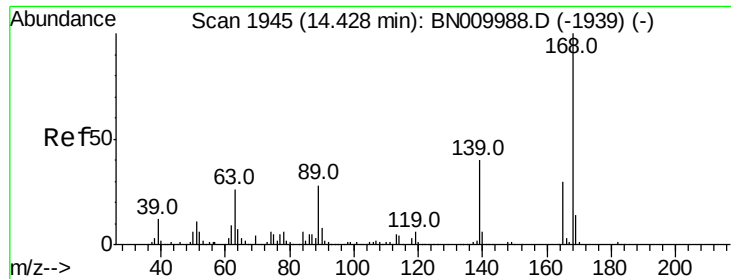
139 46.3 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

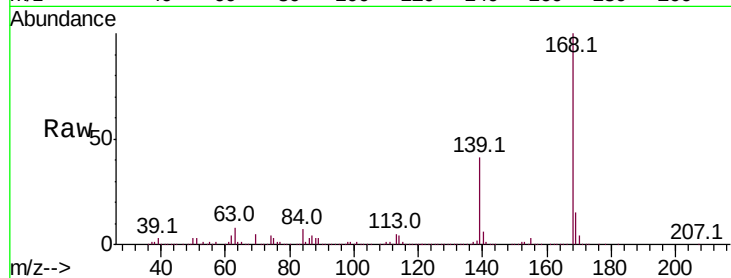




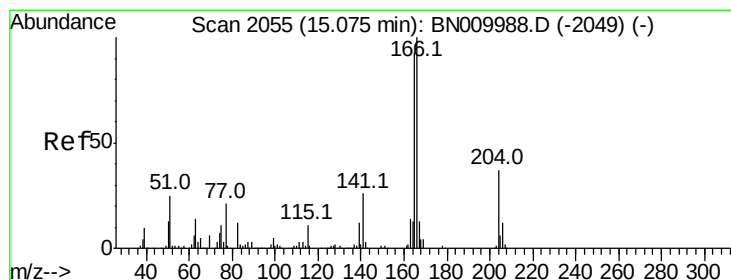
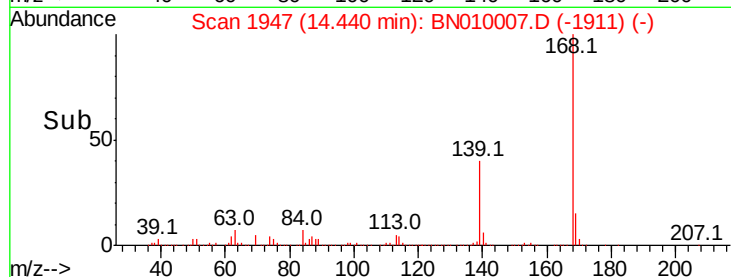
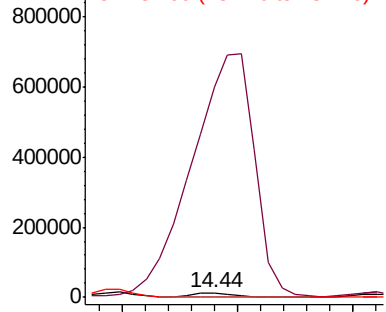
#55
 2,4-Dinitrotoluene
 Concen: 2.194 ng/ul
 RT: 14.44 min Scan# 1947
 Delta R.T. 0.01 min
 Lab File: BN010007.D
 Acq: 29 Feb 2020 04:31

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:165 Resp: 16100
 Ion Ratio Lower Upper
 165 100
 63 4429.1 68.3 102.5#
 182 6.8 2.2 3.4#

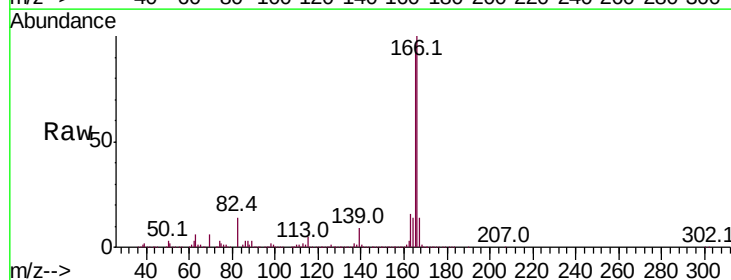


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BN
 Ion 182.00 (181.70 to 182.70): E

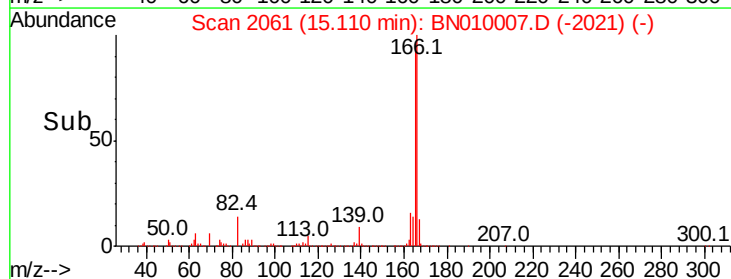
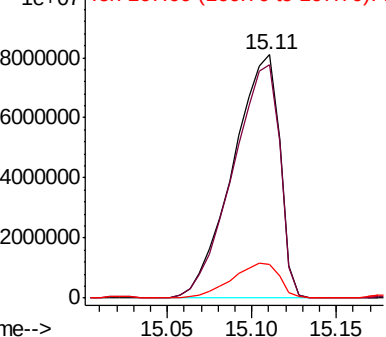


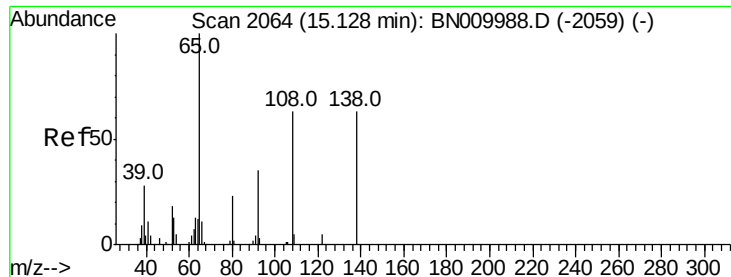
#59
 Fluorene
 Concen: 619.686 ng/ul
 RT: 15.11 min Scan# 2061
 Delta R.T. 0.04 min
 Lab File: BN010007.D
 Acq: 29 Feb 2020 04:31

Tgt Ion:166 Resp:15460683
 Ion Ratio Lower Upper
 166 100
 165 95.8 79.8 119.8
 167 13.6 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

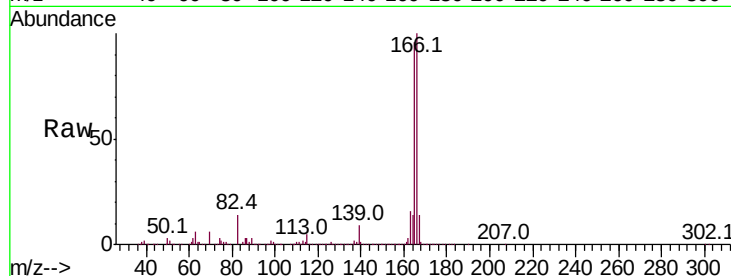




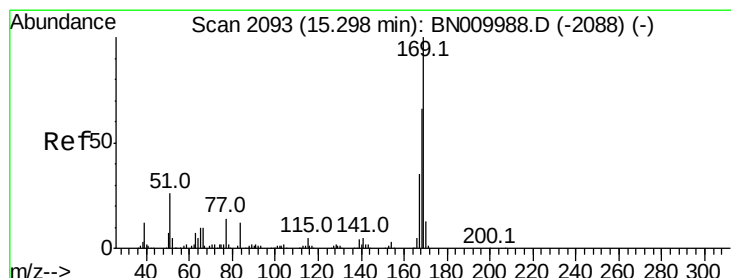
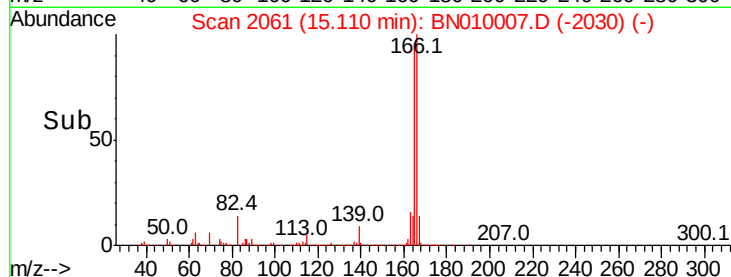
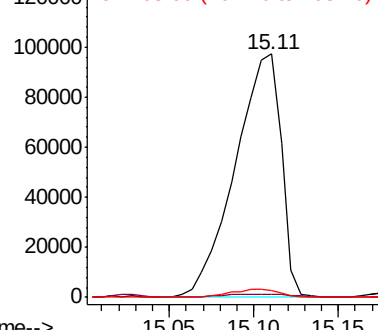
#61
4-Nitroaniline
Concen: 32.944 ng/ul
RT: 15.11 min Scan# 2061
Delta R.T. -0.02 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

Instrument :
BNA_N
ClientSampleId :

Tot Ion:138 Resp: 183631
Ion Ratio Lower Upper
138 100
92 1.3 47.8 71.6#
108 2.9 72.3 108.5#

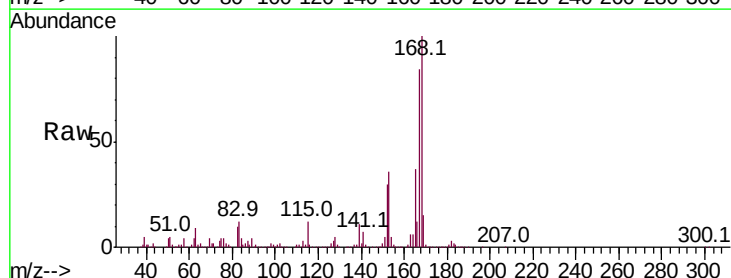


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BNO
Ion 108.00 (107.70 to 108.70): E

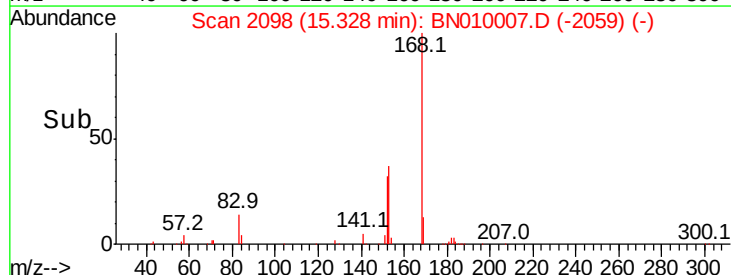
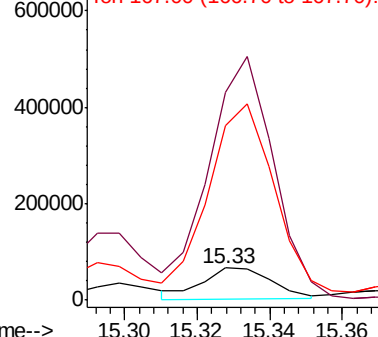


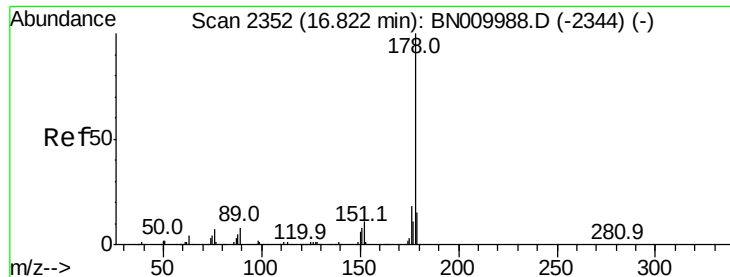
#65
N-Nitrosodiphenylamine
Concen: 4.883 ng/ul
RT: 15.33 min Scan# 2098
Delta R.T. 0.03 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

Tgt Ion:169 Resp: 87198
Ion Ratio Lower Upper
169 100
168 651.5 51.8 77.6#
167 549.8 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: 232.863 ng/ul

RT: 16.95 min Scan# 2373

Delta R.T. 0.12 min

Lab File: BN010007.D

Acq: 29 Feb 2020 04:31

Instrument :

BNA_N

ClientSampleId :

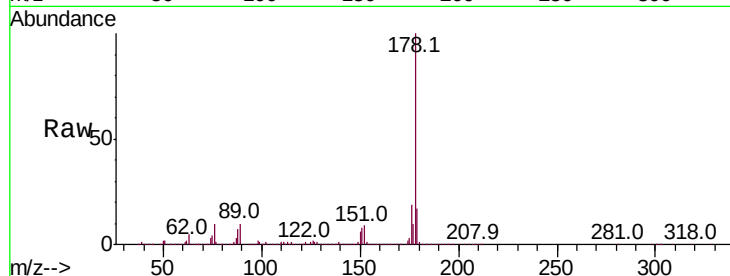
Tot Ion:178 Resp: 7997894

Ion Ratio Lower Upper

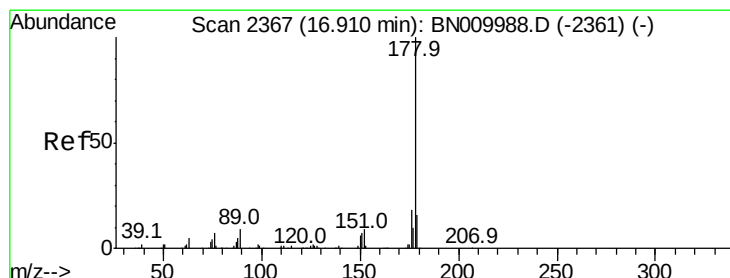
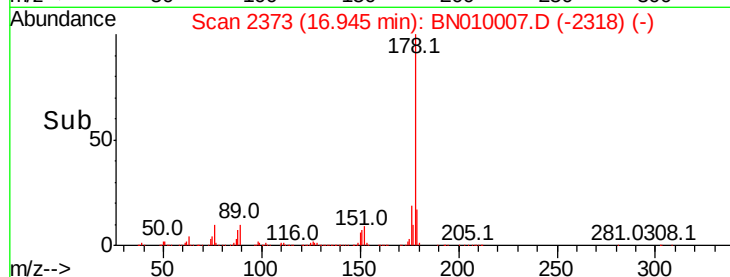
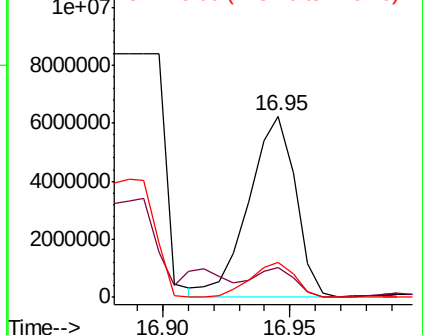
178 100

179 16.5 12.5 18.7

176 19.1 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: 227.789 ng/ul

RT: 16.95 min Scan# 2373

Delta R.T. 0.04 min

Lab File: BN010007.D

Acq: 29 Feb 2020 04:31

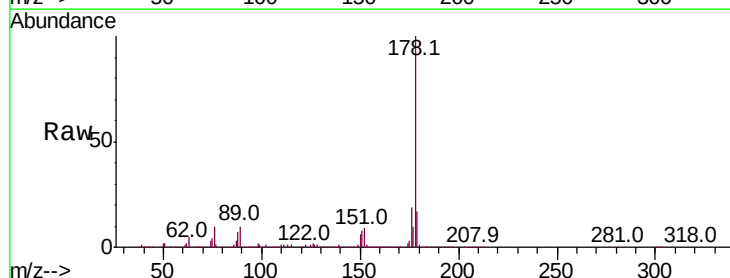
Tgt Ion:178 Resp: 7997894

Ion Ratio Lower Upper

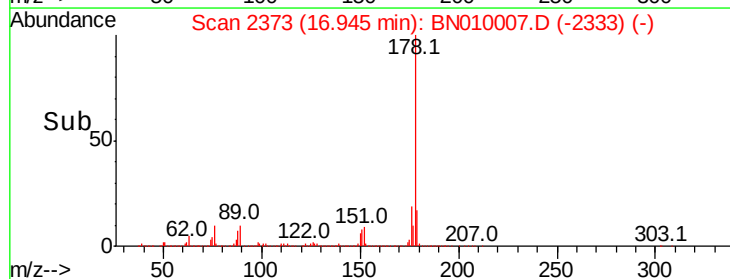
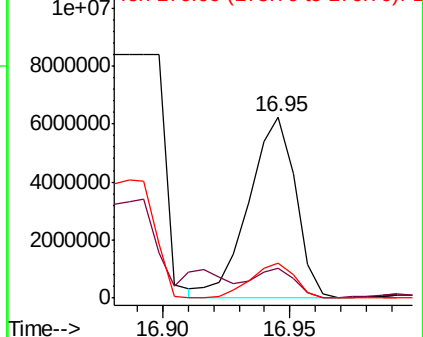
178 100

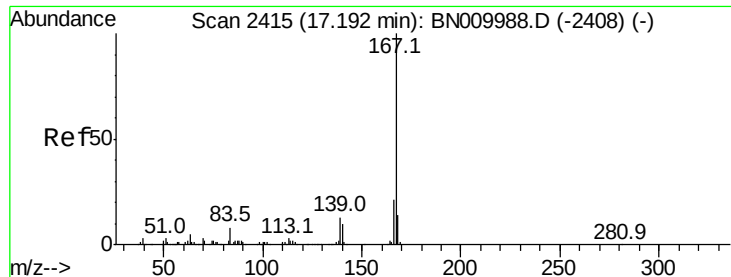
179 16.5 12.2 18.2

176 19.1 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: 127.298 ng/ul

RT: 17.20 min Scan# 2417

Delta R.T. 0.01 min

Lab File: BN010007.D

Acq: 29 Feb 2020 04:31

Instrument :

BNA_N

ClientSampleId :

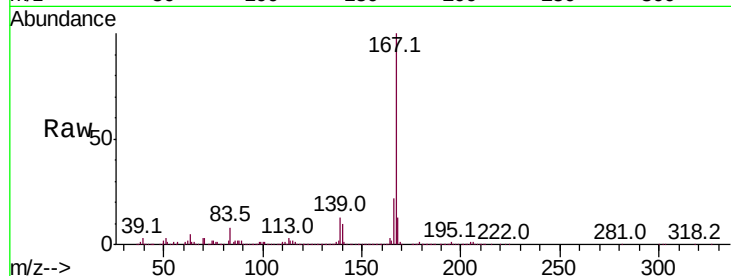
Tot Ion:167 Resp: 3936016

Ion Ratio Lower Upper

167 100

166 21.6 16.6 24.8

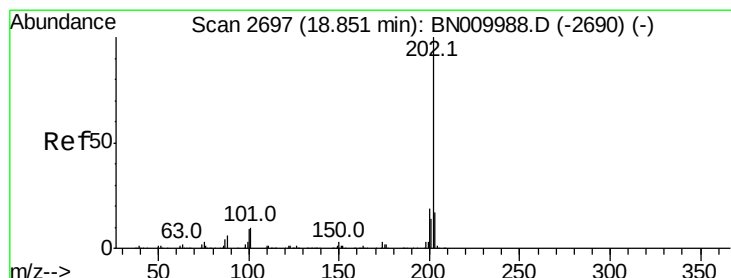
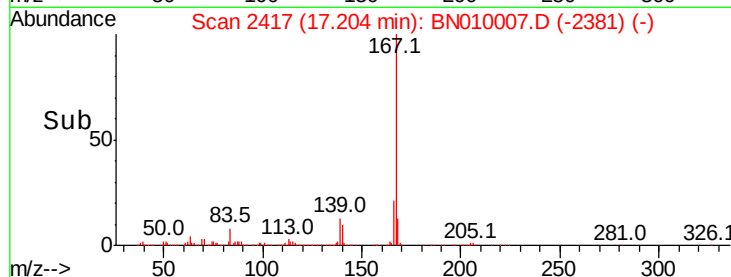
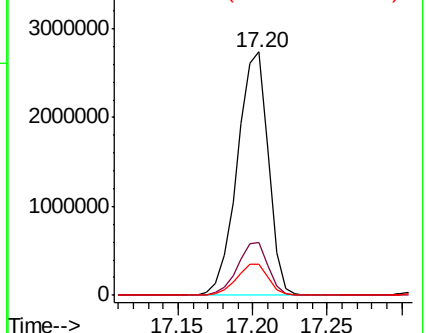
139 13.0 9.9 14.9



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



#77

Fluoranthene

Concen: 1.572 ng/ul

RT: 19.02 min Scan# 2725

Delta R.T. 0.16 min

Lab File: BN010007.D

Acq: 29 Feb 2020 04:31

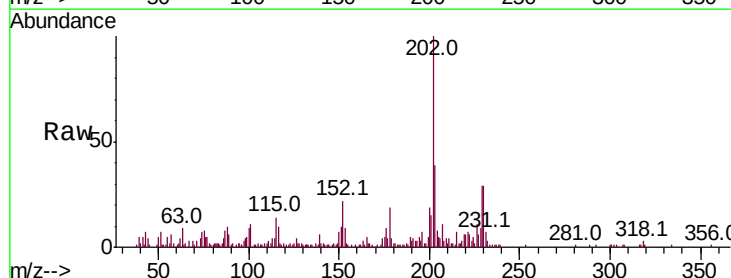
Tgt Ion:202 Resp: 63240

Ion Ratio Lower Upper

202 100

101 11.2 9.4 14.2

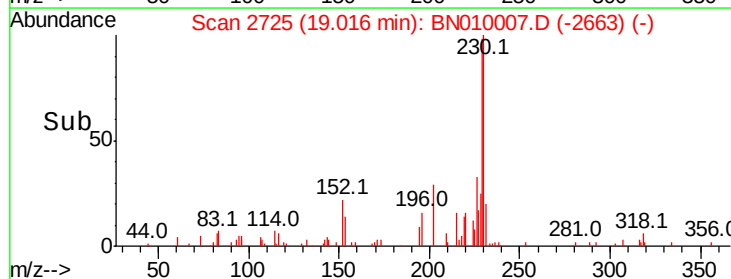
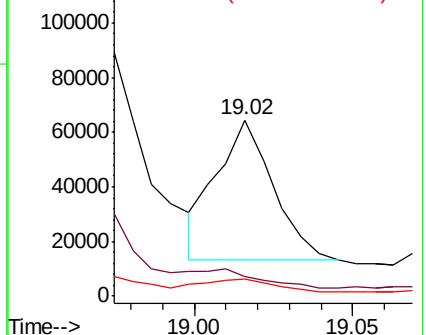
100 9.5 7.2 10.8

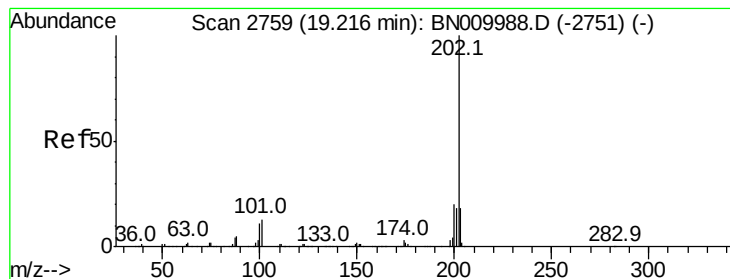


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

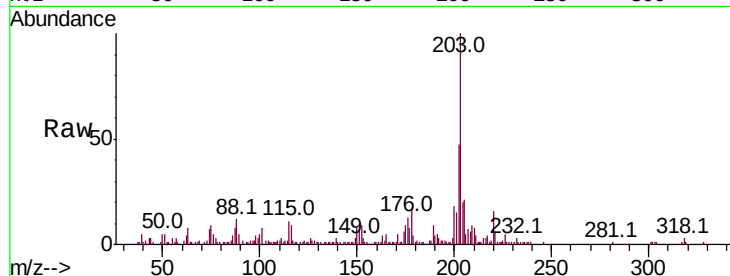




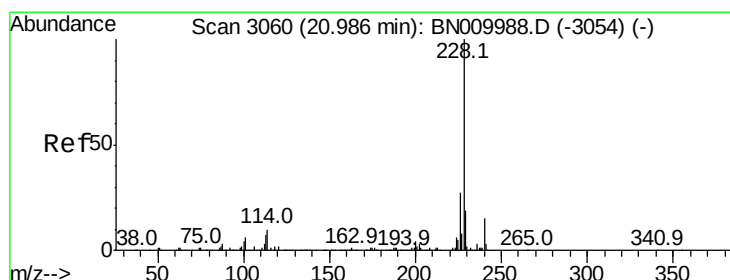
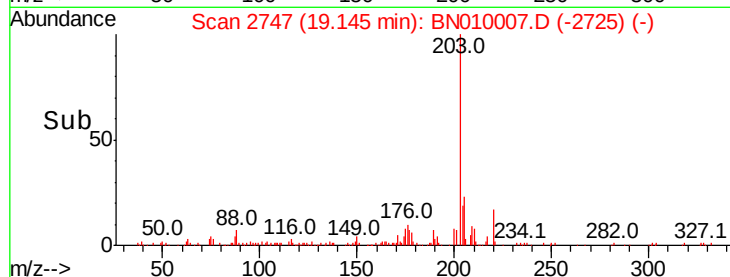
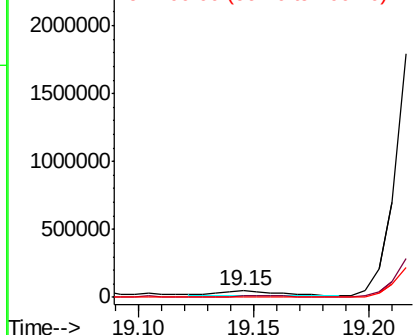
#80
Pvrene
Concen: 1.728 ng/ul
RT: 19.15 min Scan# 2747
Delta R.T. -0.07 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

Instrument :
BNA_N
ClientSampled :

Tot Ion:202 Resp: 69123
Ion Ratio Lower Upper
202 100
101 18.0 11.3 16.9#
100 11.5 9.0 13.6

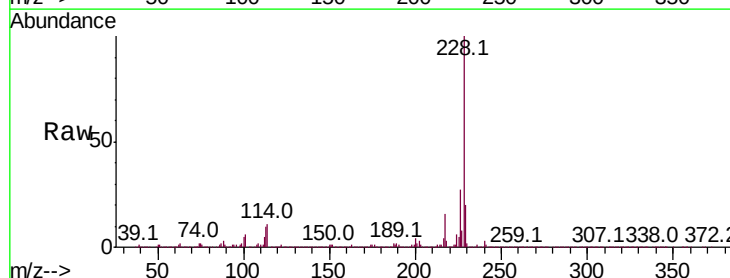


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): E

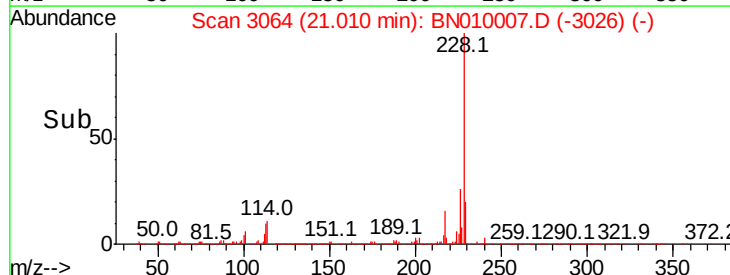
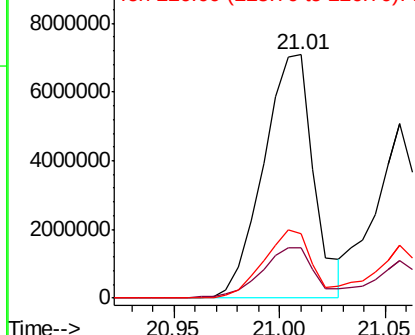


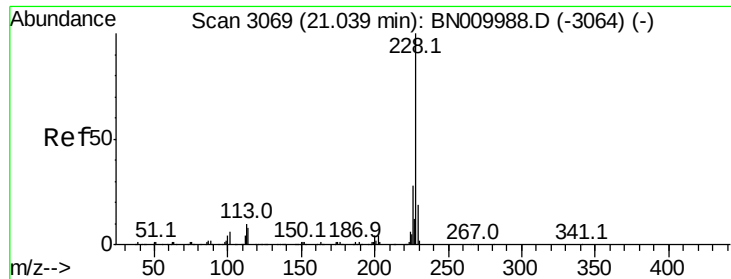
#83
Benzo(a)anthracene
Concen: 307.208 ng/ul
RT: 21.01 min Scan# 3064
Delta R.T. 0.02 min
Lab File: BN010007.D
Acq: 29 Feb 2020 04:31

Tgt Ion:228 Resp:11715303
Ion Ratio Lower Upper
228 100
229 20.4 15.0 22.4
226 26.5 21.4 32.2



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



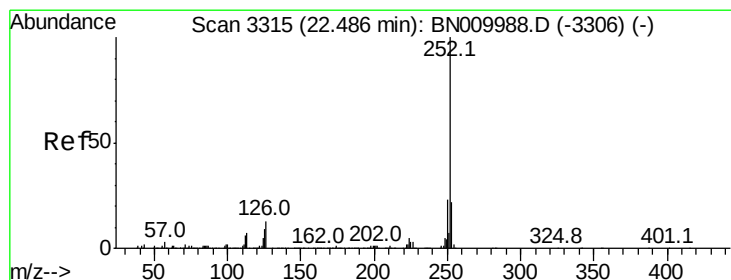
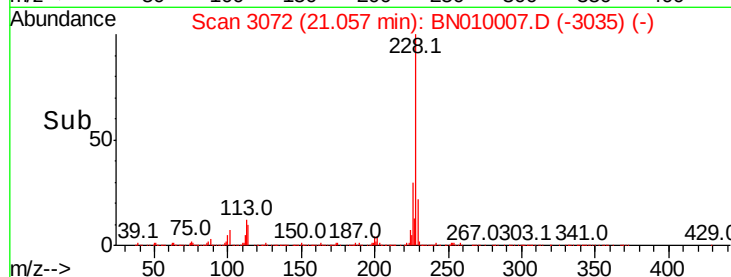
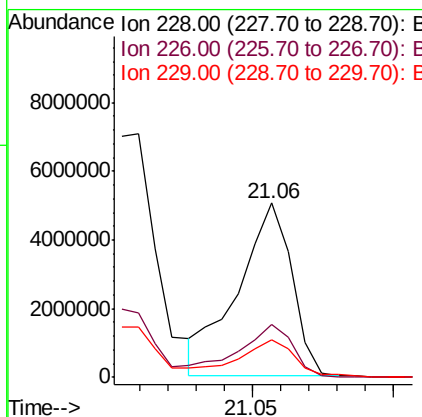
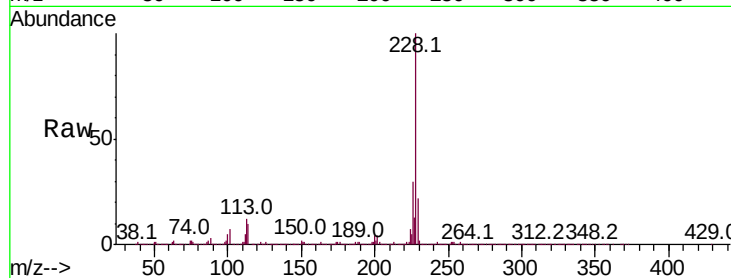


#85
 Chrysene
 Concen: 178.804 ng/ul
 RT: 21.06 min Scan# 3072
 Delta R.T. 0.02 min
 Lab File: BN010007.D
 Acq: 29 Feb 2020 04:31

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:228 Resp: 6712887

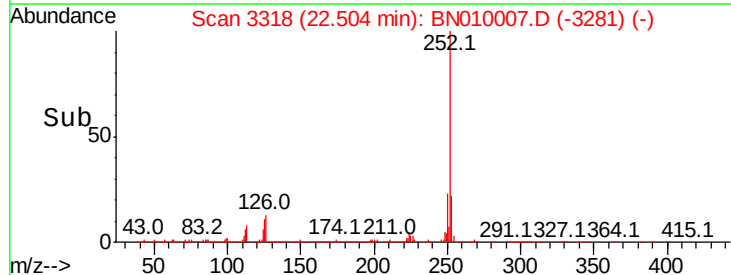
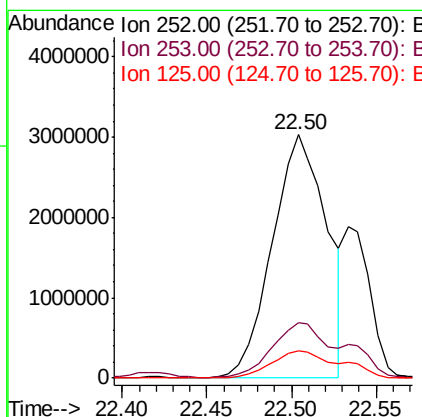
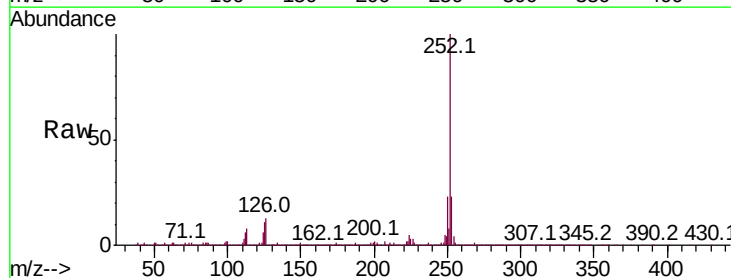
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.2
229	21.8	15.0	22.4

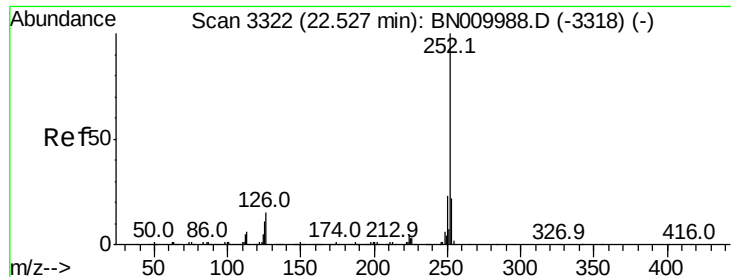


#88
 Benzo(b)fluoranthene
 Concen: 177.521 ng/ul
 RT: 22.50 min Scan# 3318
 Delta R.T. 0.02 min
 Lab File: BN010007.D
 Acq: 29 Feb 2020 04:31

Tgt Ion:252 Resp: 6756865

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.4
125	11.0	8.0	12.0





#89

Benzo(k)fluoranthene

Concen: 187.481 ng/ul

RT: 22.50 min Scan# 3318

Delta R.T. -0.02 min

Lab File: BN010007.D

Acq: 29 Feb 2020 04:31

Instrument :

BNA_N

ClientSampleId :

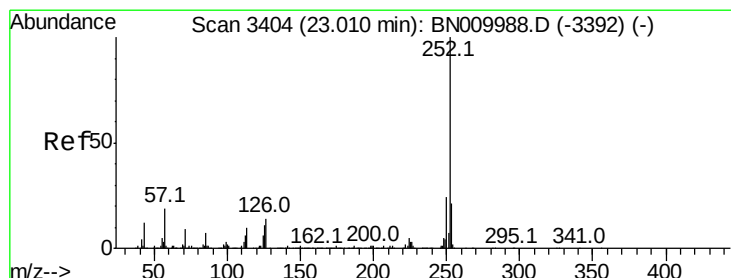
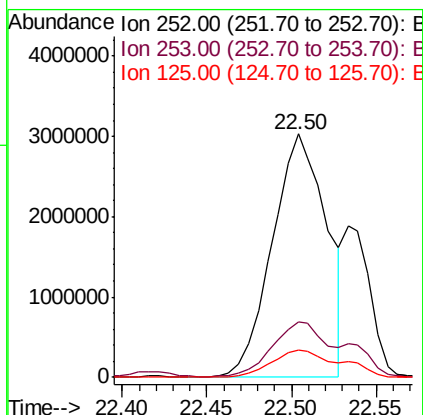
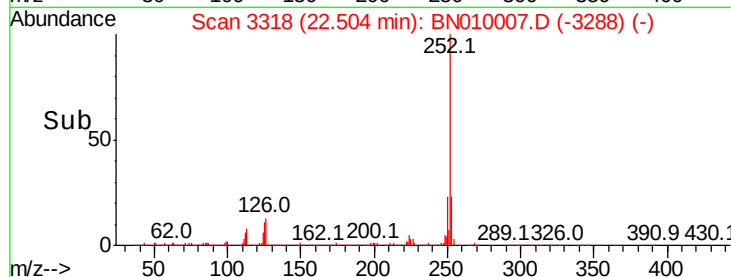
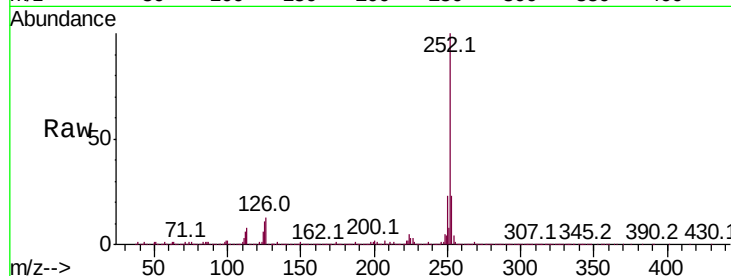
Tot Ion:252 Resp: 6756865

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

125 11.0 8.2 12.2



#91

Benzo(a)pyrene

Concen: 114.671 ng/ul

RT: 23.03 min Scan# 3407

Delta R.T. 0.02 min

Lab File: BN010007.D

Acq: 29 Feb 2020 04:31

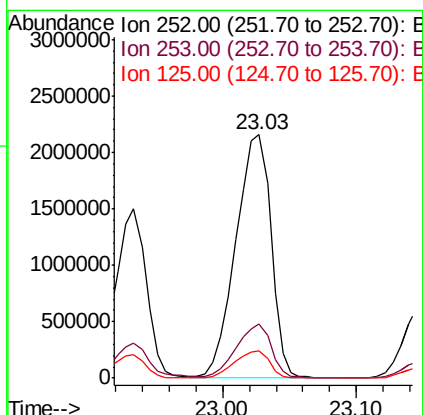
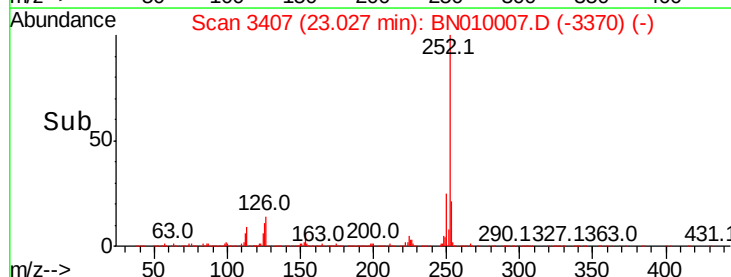
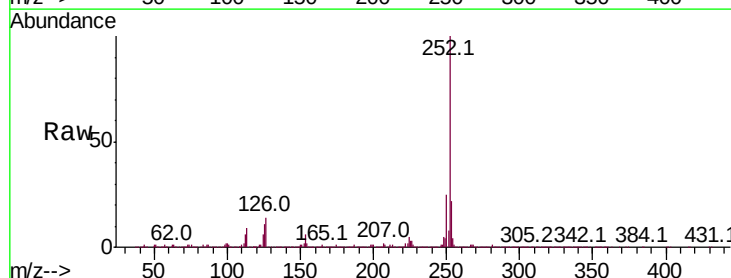
Tgt Ion:252 Resp: 3925602

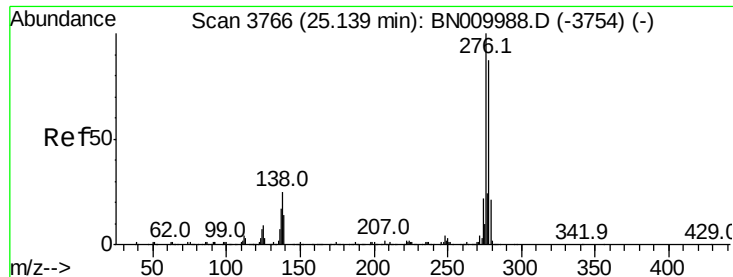
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 11.2 9.0 13.6



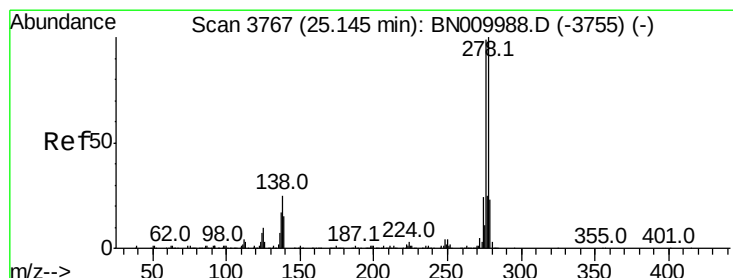
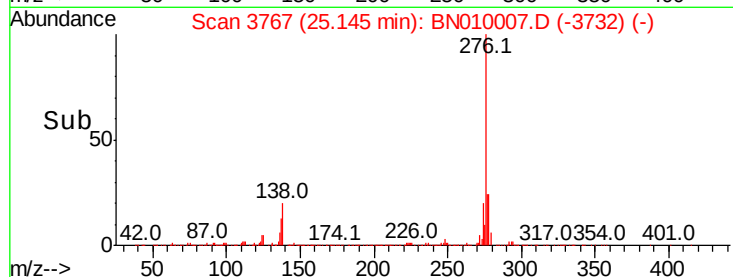
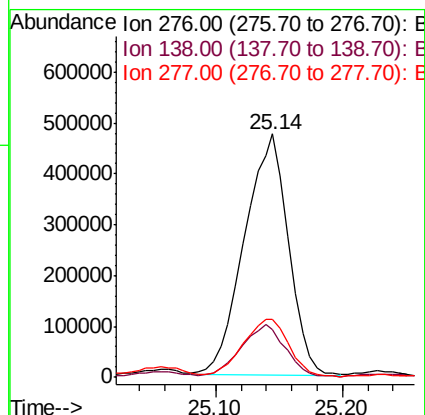
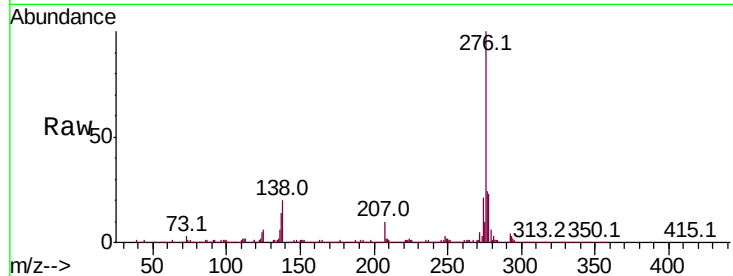


#92
 Indeno(1,2,3-cd)pyrene
 Concen: 28.257 ng/ul
 RT: 25.14 min Scan# 3767
 Delta R.T. 0.01 min
 Lab File: BN010007.D
 Acq: 29 Feb 2020 04:31

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 1148489

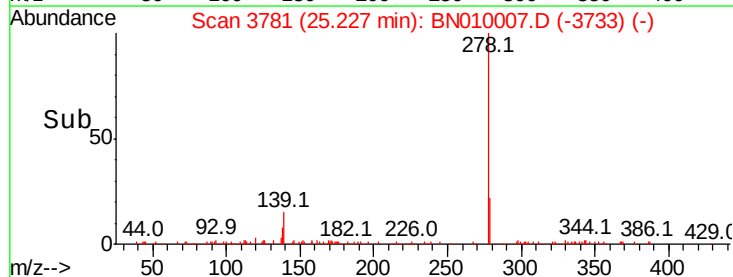
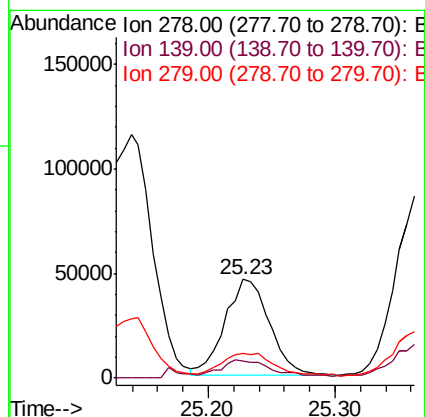
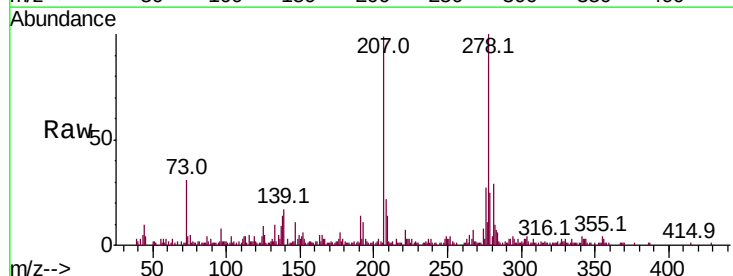
Ion	Ratio	Lower	Upper
276	100		
138	19.8	20.9	31.3#
277	23.8	18.2	27.4

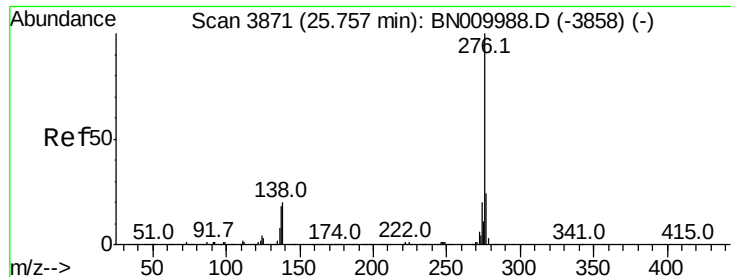


#93
 Dibenzo(a,h)anthracene
 Concen: 3.167 ng/ul
 RT: 25.23 min Scan# 3781
 Delta R.T. 0.08 min
 Lab File: BN010007.D
 Acq: 29 Feb 2020 04:31

Tgt Ion:278 Resp: 110116

Ion	Ratio	Lower	Upper
278	100		
139	17.5	13.0	19.4
279	24.9	17.5	26.3





#94

Benzo(a,h,i)perylene

Concen: 25.715 ng/ul

RT: 25.76 min Scan# 3871

Delta R.T. 0.00 min

Lab File: BN010007.D

Acq: 29 Feb 2020 04:31

Instrument :

BNA_N

ClientSampleId :

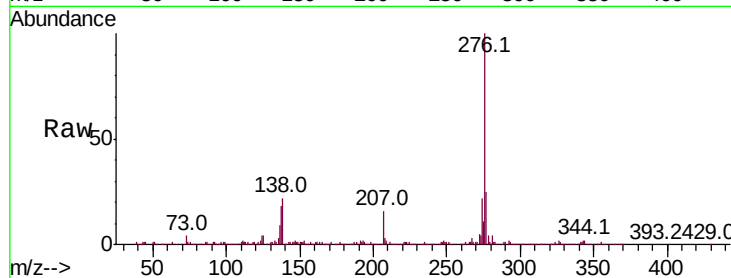
Tot Ion:276 Resp: 876360

Ion Ratio Lower Upper

276 100

138 22.5 17.5 26.3

277 25.3 18.1 27.1

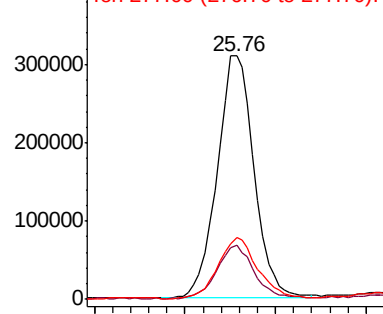


Abundance

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



Time--> 25.60 25.70 25.80

