

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100520\
 Data File : BN012088.D
 Acq On : 06 Oct 2020 13:04
 Operator : CG/JU
 Sample : L4184-04
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AK6

Quant Time: Oct 06 13:53:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 16:22:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	307356	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1212931	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	709653	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1504448	20.00	ng/ul	0.00
78) Chrysene-d12	21.25	240	1527971	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	1752266	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	14680	2.08	ng/uL	0.00
5) Phenol-d5	6.83	99	235860	9.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	160123	10.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	204646	9.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	193886	9.60	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	94074	9.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	92186	8.85	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.05	165	189689	9.50	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	138275	5.87	ng/ul	0.00
44) Dimethylphthalate-d6	13.70	166	588574	10.57	ng/ul	-0.01
47) Acenaphthylene-d8	13.98	160	704228	10.60	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.49	143	50173	4.89	ng/ul	0.00
58) Fluorene-d10	15.29	176	540237	11.12	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	24962	2.60	ng/ul	0.00
71) Anthracene-d10	17.14	188	818245	11.22	ng/ul	0.00
79) Pyrene-d10	19.45	212	890526	11.08	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	1004711	10.22	ng/ul	0.00

Target Compounds

					Ovalue	
14) Acetophenone	8.47	105	42344	1.316	ng/ul	98
28) Naphthalene	10.48	128	421207	6.067	ng/ul	100
34) 2-Methylnaphthalene	12.10	142	274484	5.753	ng/ul	92
35) 1-Methylnaphthalene	12.32	142	221408	4.696	ng/uL	99
41) 1,1'-Biphenyl	13.12	154	74856	1.273	ng/ul	96
45) Dimethylphthalate	13.75	163	293557	5.118	ng/ul	99
48) Acenaphthylene	14.01	152	93807	1.344	ng/ul#	90
50) Acenaphthene	14.36	153	490414	9.774	ng/ul	92
54) Dibenzofuran	14.69	168	749305	10.945	ng/ul	97
59) Fluorene	15.35	166	930857	16.220	ng/ul	97
61) 4-Nitroaniline	15.35	138	11657	1.056	ng/ul#	22
70) Phenanthrene	17.09	178	9499442	103.644	ng/ul	99
72) Anthracene	17.17	178	3030257	32.743	ng/ul	99
75) Carbazole	17.45	167	581428	7.235	ng/ul	99
77) Fluoranthene	19.11	202	12322358	119.699	ng/ul	95
80) Pyrene	19.48	202	11048448	100.243	ng/ul	97
83) Benzo(a)anthracene	21.23	228	6575687	63.881	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.17	149	95368	1.371	ng/ul#	83
85) Chrysene	21.29	228	5659945	55.931	ng/ul#	91
88) Benzo(b)fluoranthene	22.81	252	7994352	65.125	ng/ul	95
89) Benzo(k)fluoranthene	22.81	252	7994352	66.114	ng/ul	95
91) Benzo(a)pyrene	23.37	252	6160712	55.326	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.69	276	4517008	31.768	ng/ul	98

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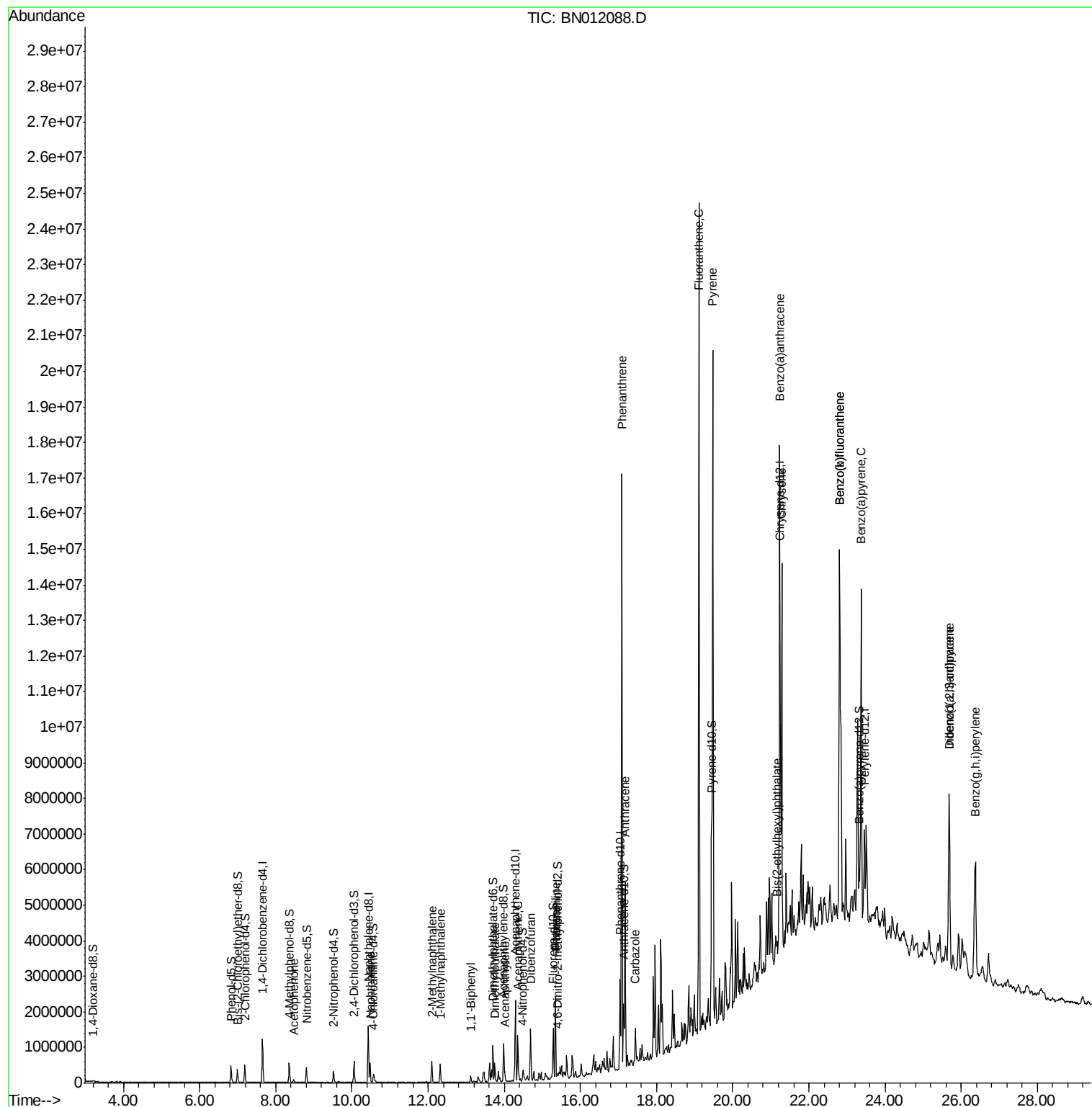
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	25.69	278	1277290	10.904	ng/ul#	90
94) Benzo(g,h,i)perylene	26.37	276	3907063	32.266	ng/ul	96

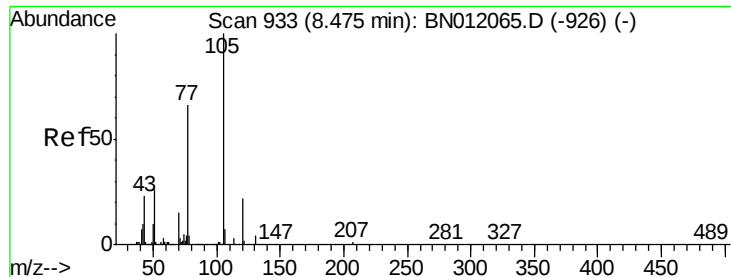
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 1.316 ng/ul

RT: 8.47 min Scan# 932

Delta R.T. -0.01 min

Lab File: BN012088.D

Acq: 06 Oct 2020 13:04

Instrument :

BNA_N

ClientSampleId :

C0AK6

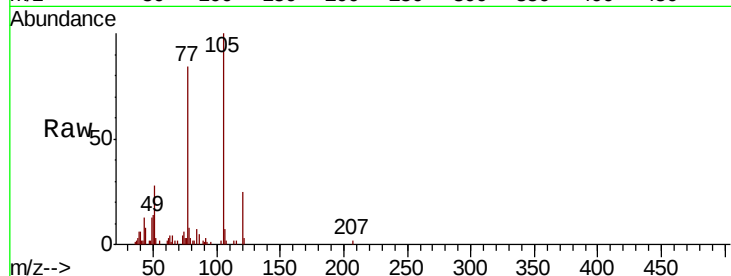
Tot Ion:105 Resp: 42344

Ion Ratio Lower Upper

105 100

77 84.3 66.9 100.3

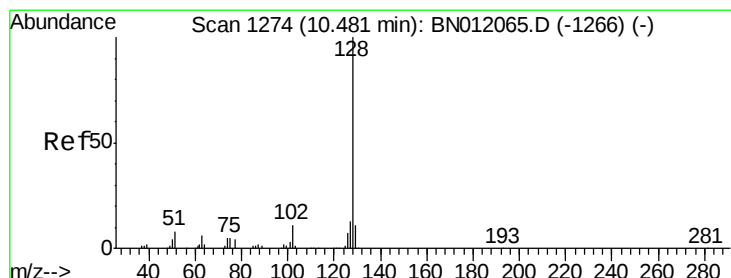
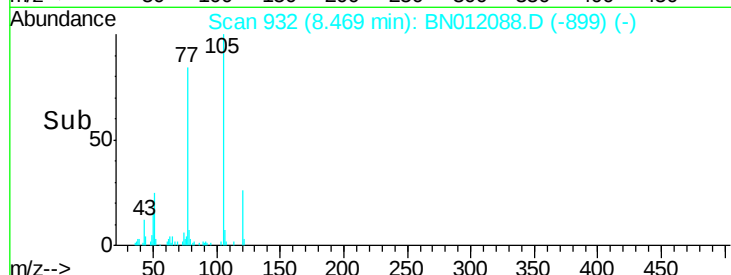
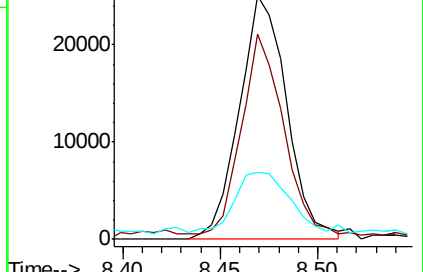
51 27.6 24.3 36.5



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BN012065.D (-926) (-)

Ion 51.00 (50.70 to 51.70): BN012065.D (-926) (-)



#28

Naphthalene

Concen: 6.067 ng/ul

RT: 10.48 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BN012088.D

Acq: 06 Oct 2020 13:04

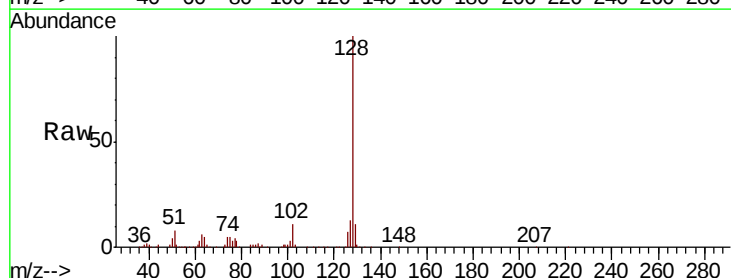
Tgt Ion:128 Resp: 421207

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

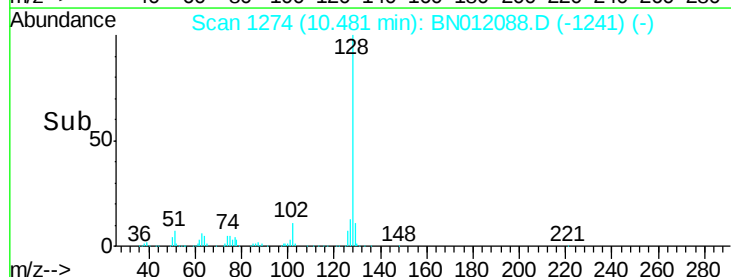
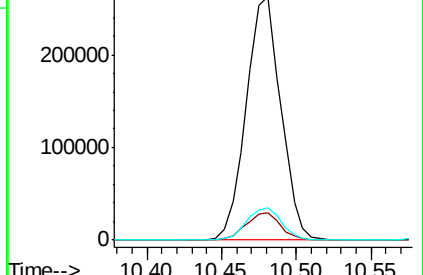
127 13.5 10.7 16.1

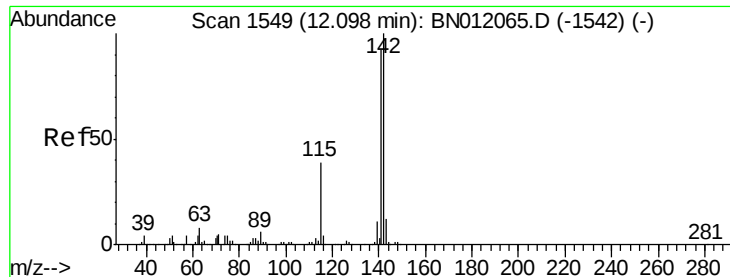


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): BN012065.D (-1266) (-)

Ion 127.00 (126.70 to 127.70): BN012065.D (-1266) (-)

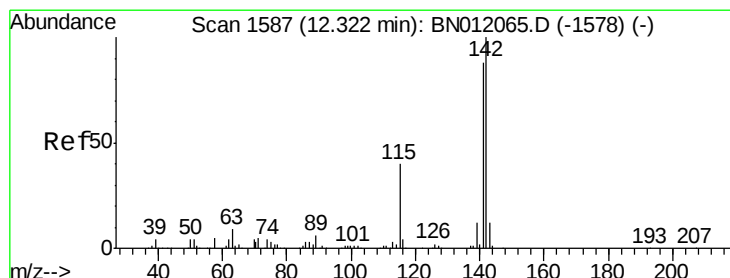
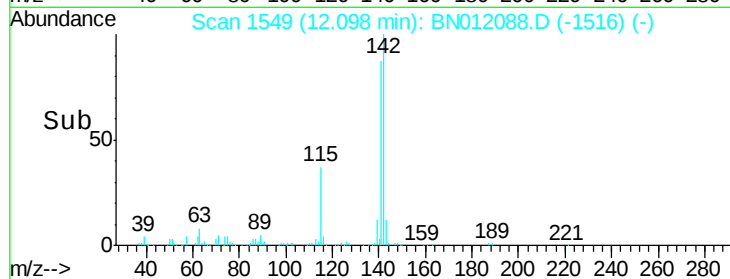
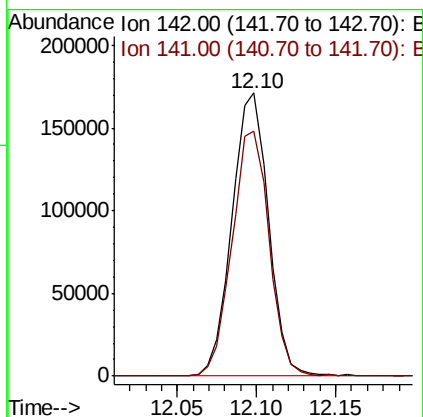
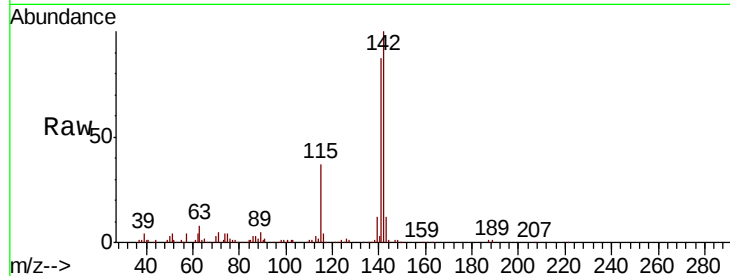




#34
2-Methylnaphthalene
Concen: 5.753 ng/uL
RT: 12.10 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BN012088.D
Acq: 06 Oct 2020 13:04

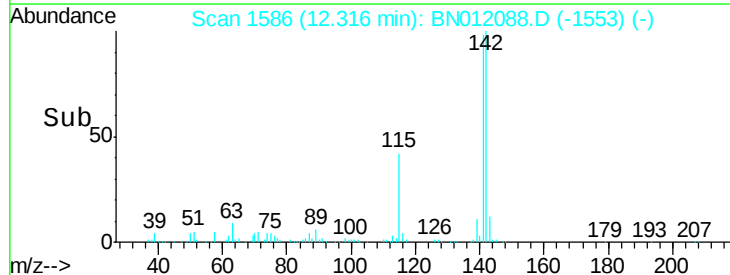
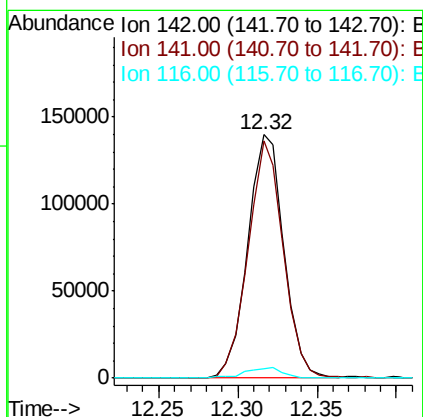
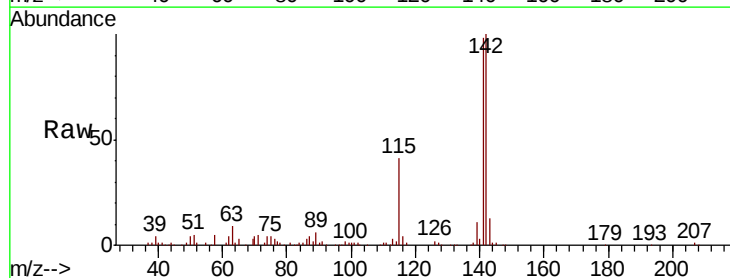
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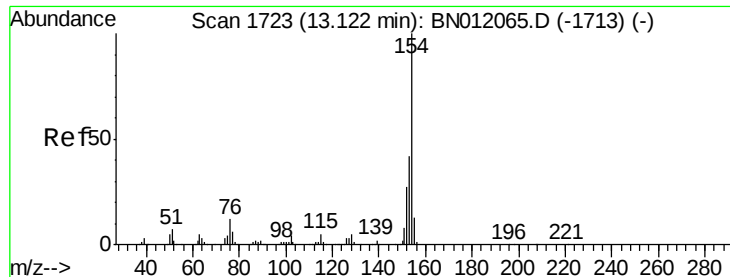
Tot Ion:142 Resp: 274484
Ion Ratio Lower Upper
142 100
141 86.8 75.9 113.9



#35
1-Methylnaphthalene
Concen: 4.696 ng/uL
RT: 12.32 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BN012088.D
Acq: 06 Oct 2020 13:04

Tgt Ion:142 Resp: 221408
Ion Ratio Lower Upper
142 100
141 95.1 75.2 112.8
116 4.0 3.4 5.2

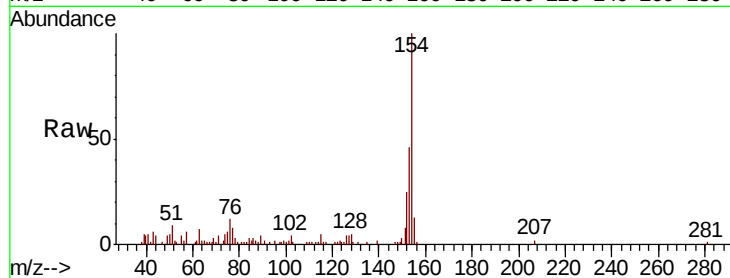




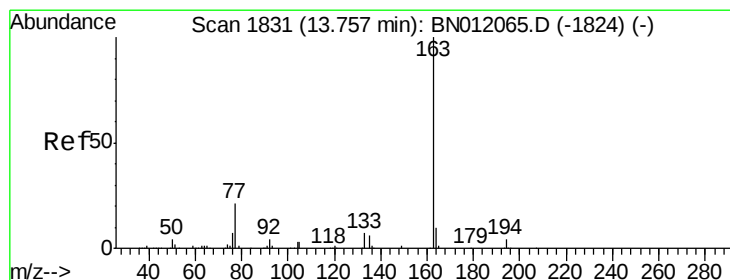
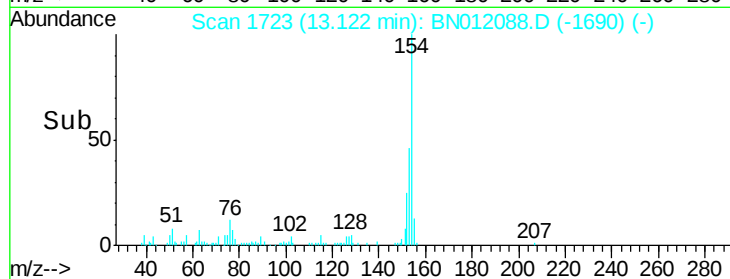
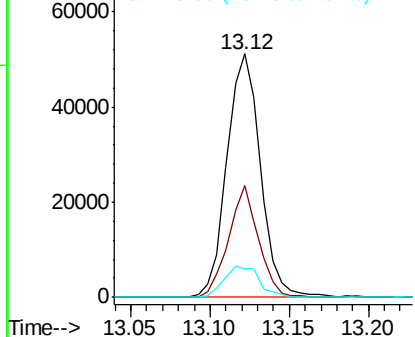
#41
 1,1'-Biphenyl
 Concen: 1.273 ng/ul
 RT: 13.12 min Scan# 1723
 Delta R.T. -0.01 min
 Lab File: BN012088.D
 Acq: 06 Oct 2020 13:04

Instrument :
 BNA_N
 ClientSampleId :
 C0AK6

Tot Ion	Ratio	Lower	Upper
154	100		
153	45.9	33.9	50.9
76	12.0	9.8	14.8

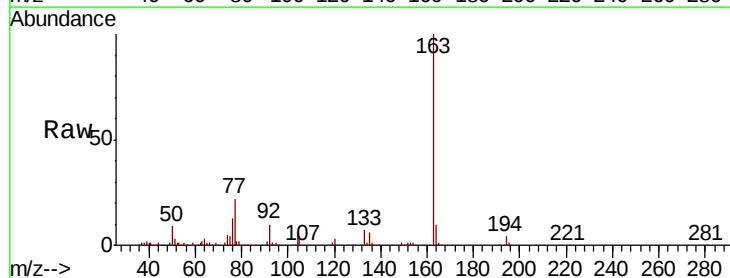


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNC

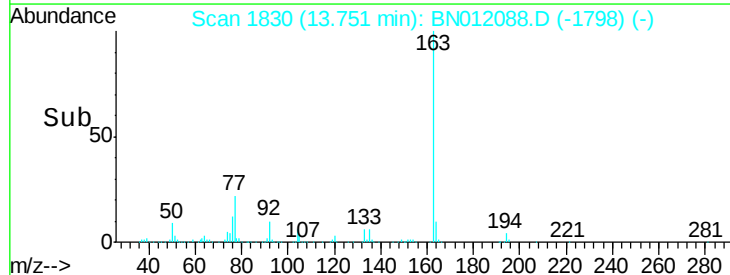
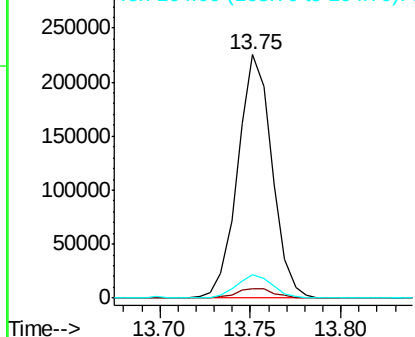


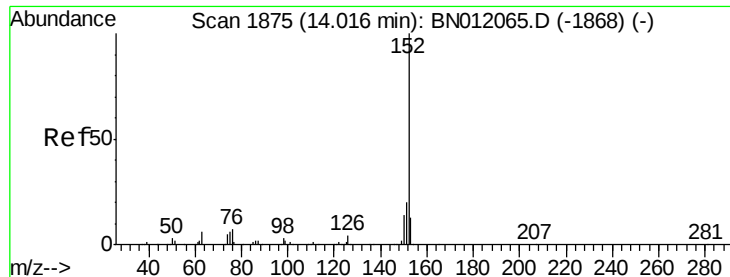
#45
 Dimethylphthalate
 Concen: 5.118 ng/ul
 RT: 13.75 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BN012088.D
 Acq: 06 Oct 2020 13:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.0
164	9.6	7.8	11.8



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 1.344 ng/ul

RT: 14.01 min Scan# 1874

Delta R.T. -0.01 min

Lab File: BN012088.D

Acq: 06 Oct 2020 13:04

Instrument :

BNA_N

ClientSampleId :

C0AK6

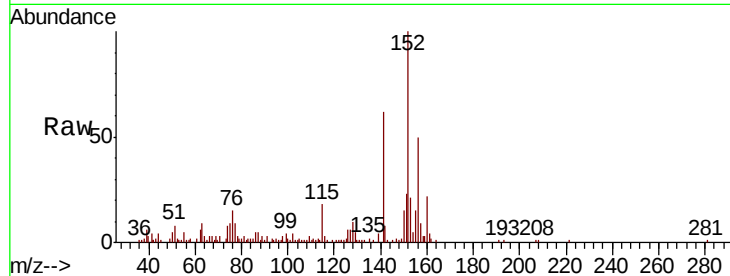
Tot Ion:152 Resp: 93807

Ion Ratio Lower Upper

152 100

151 22.9 16.3 24.5

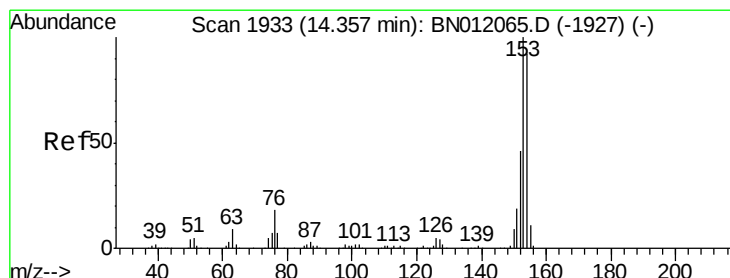
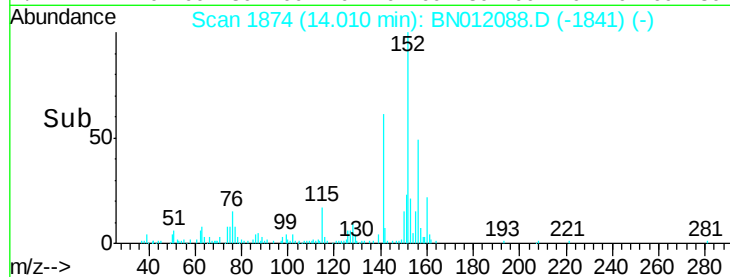
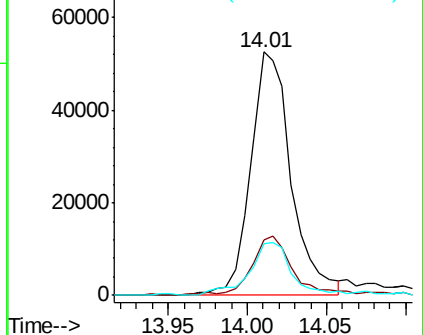
153 21.1 11.4 17.2#



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: 9.774 ng/ul

RT: 14.36 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BN012088.D

Acq: 06 Oct 2020 13:04

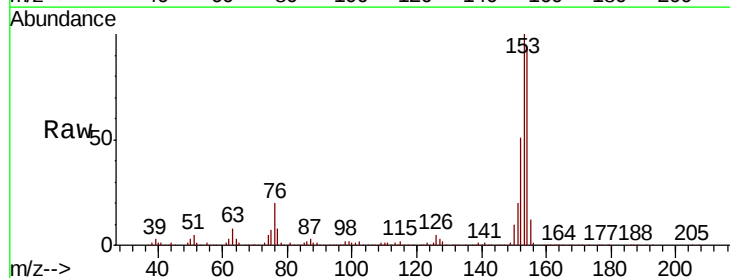
Tgt Ion:153 Resp: 490414

Ion Ratio Lower Upper

153 100

152 50.7 35.9 53.9

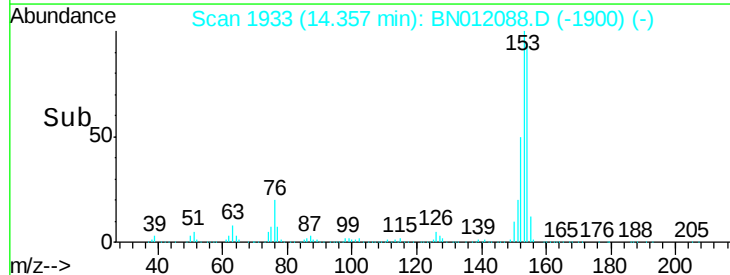
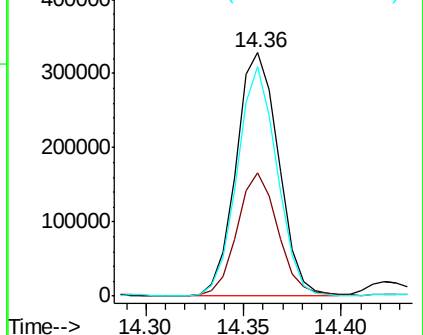
154 94.1 70.2 105.2

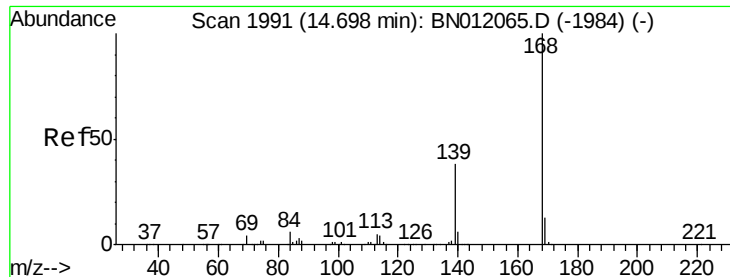


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 10.945 ng/ul

RT: 14.69 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BN012088.D

Acq: 06 Oct 2020 13:04

Instrument :

BNA_N

ClientSampleId :

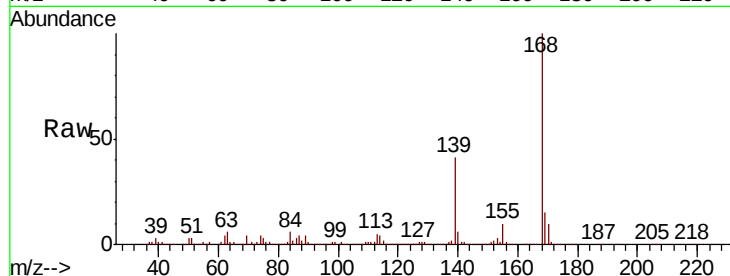
C0AK6

Tot Ion:168 Resp: 749305

Ion Ratio Lower Upper

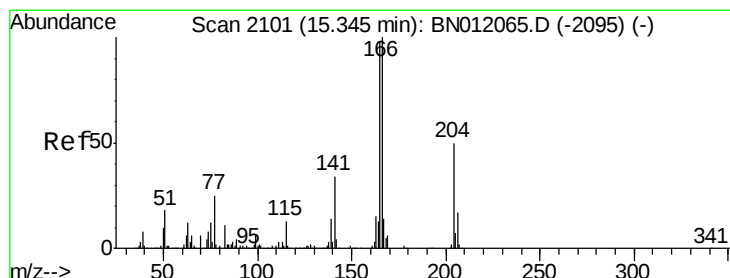
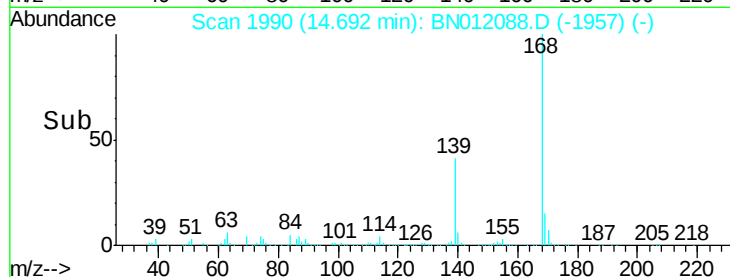
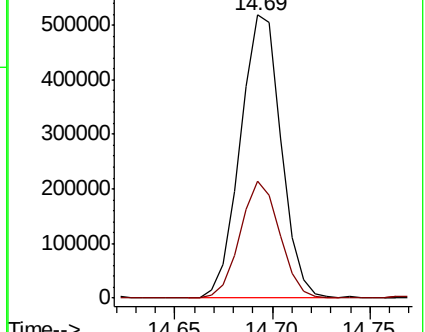
168 100

139 41.4 31.5 47.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 16.220 ng/ul

RT: 15.35 min Scan# 2101

Delta R.T. -0.01 min

Lab File: BN012088.D

Acq: 06 Oct 2020 13:04

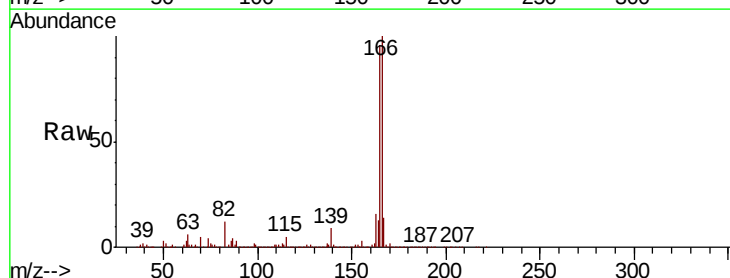
Tgt Ion:166 Resp: 930857

Ion Ratio Lower Upper

166 100

165 95.7 79.0 118.6

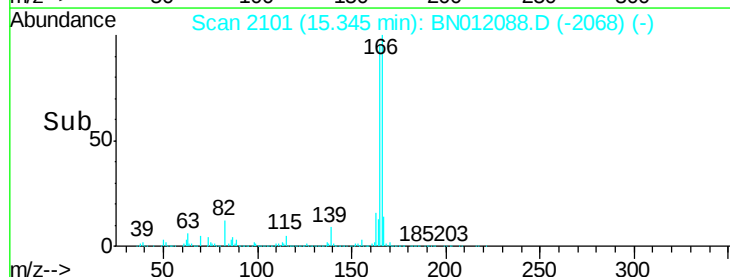
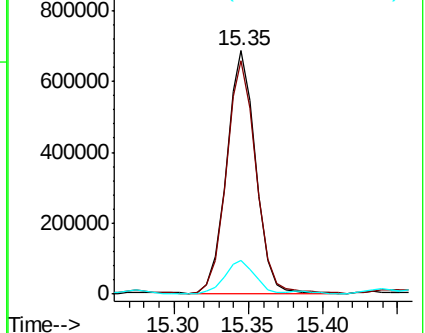
167 14.0 10.5 15.7

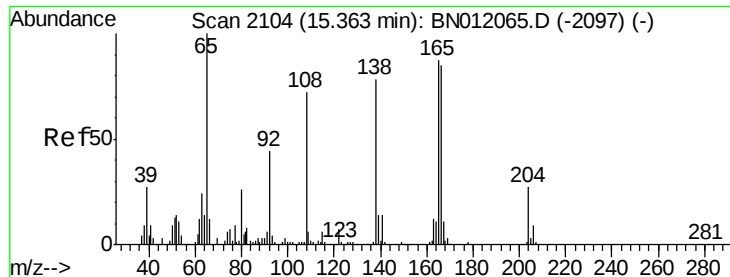


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

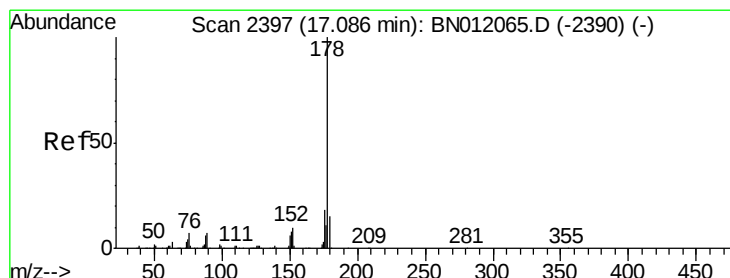
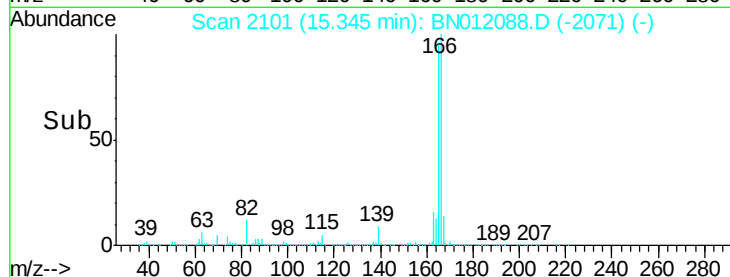
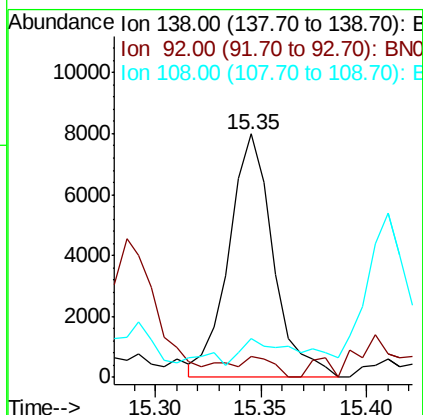
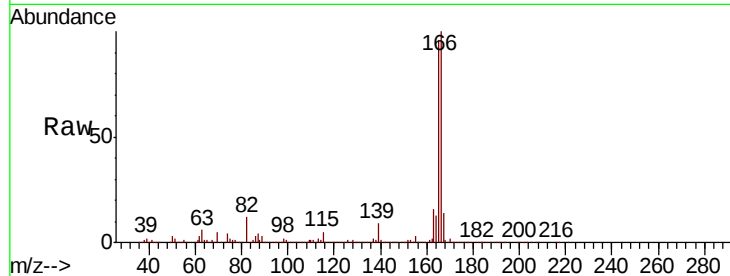




#61
4-Nitroaniline
Concen: 1.056 ng/ul
RT: 15.35 min Scan# 2101
Delta R.T. -0.02 min
Lab File: BN012088.D
Acq: 06 Oct 2020 13:04

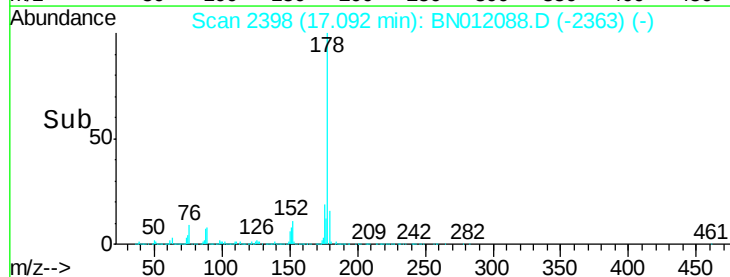
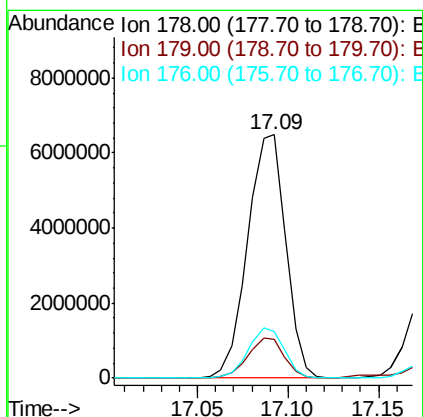
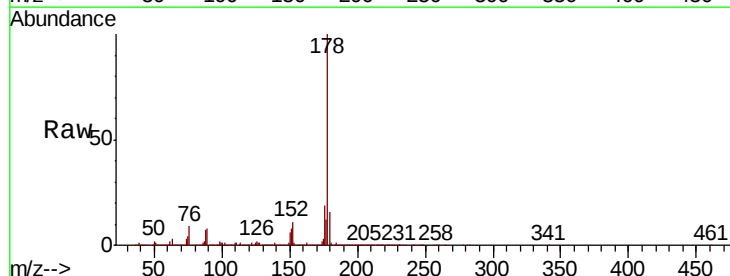
Instrument :
BNA_N
ClientSampleId :
C0AK6

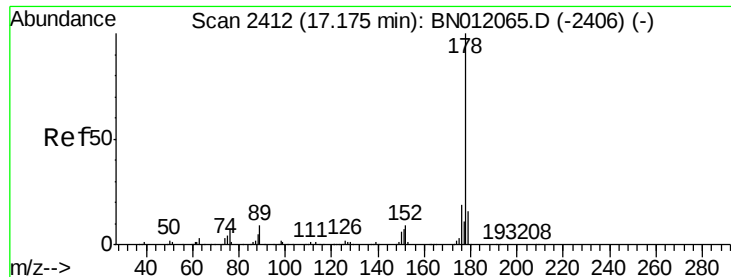
Tot Ion:138 Resp: 11657
Ion Ratio Lower Upper
138 100
92 8.5 47.1 70.7#
108 16.1 80.7 121.1#



#70
Phenanthrene
Concen: 103.644 ng/ul
RT: 17.09 min Scan# 2398
Delta R.T. 0.01 min
Lab File: BN012088.D
Acq: 06 Oct 2020 13:04

Tgt Ion:178 Resp: 9499442
Ion Ratio Lower Upper
178 100
179 16.0 12.2 18.2
176 19.1 15.4 23.2





#72

Anthracene

Concen: 32.743 ng/ul

RT: 17.17 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BN012088.D

Acq: 06 Oct 2020 13:04

Instrument :

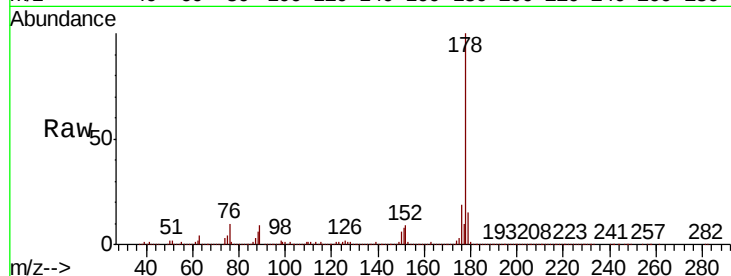
BNA_N

ClientSampleId :

C0AK6

Tot Ion:178 Resp: 3030257

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.8	19.2
176	18.7	15.0	22.6

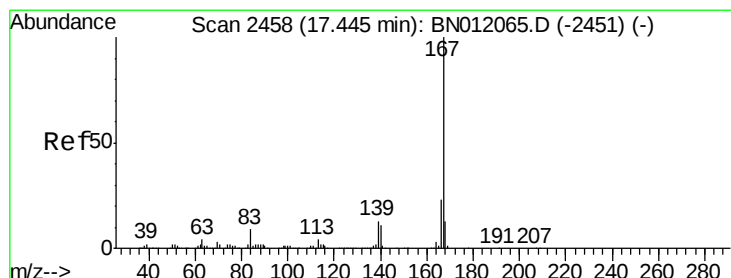
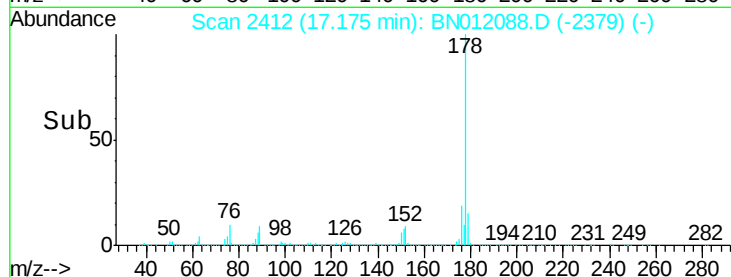
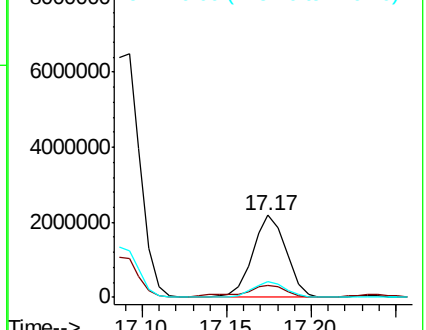


Abundance

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: 7.235 ng/ul

RT: 17.45 min Scan# 2458

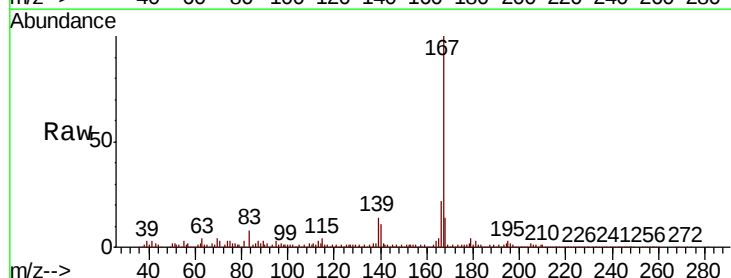
Delta R.T. -0.01 min

Lab File: BN012088.D

Acq: 06 Oct 2020 13:04

Tgt Ion:167 Resp: 581428

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.4	26.0
139	14.5	10.9	16.3

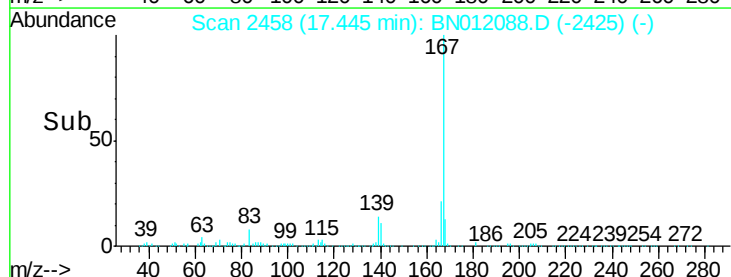
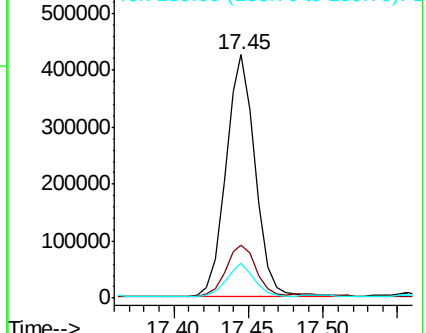


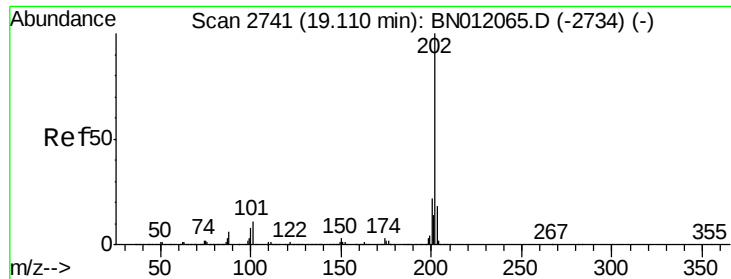
Abundance

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

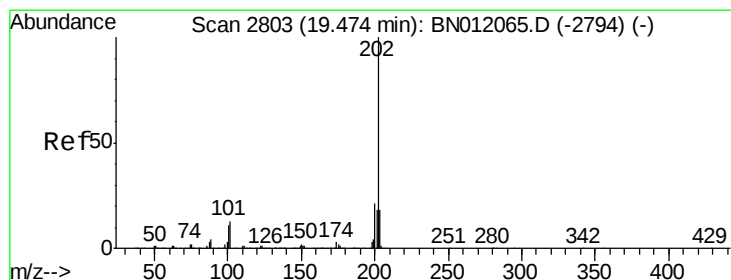
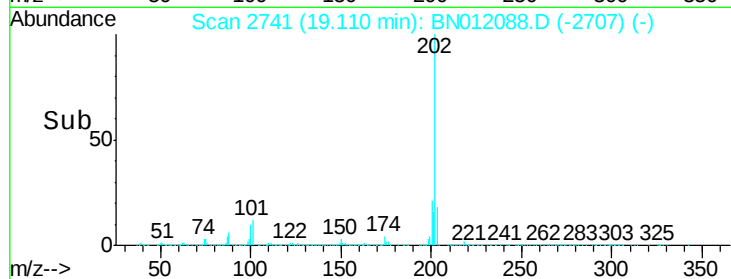
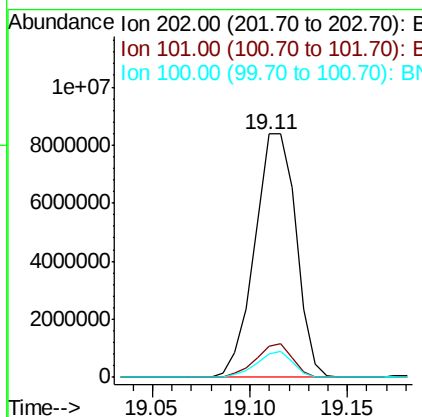
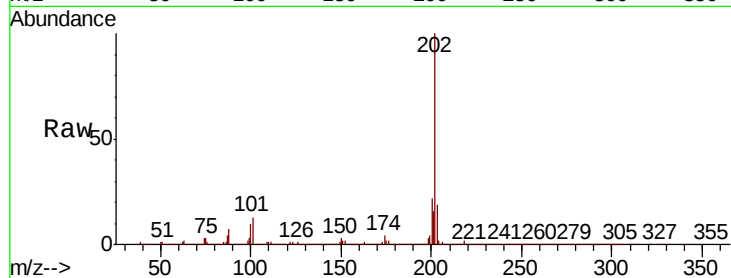




#77
 Fluoranthene
 Concen: 119.699 ng/ul
 RT: 19.11 min Scan# 2741
 Delta R.T. 0.00 min
 Lab File: BN012088.D
 Acq: 06 Oct 2020 13:04

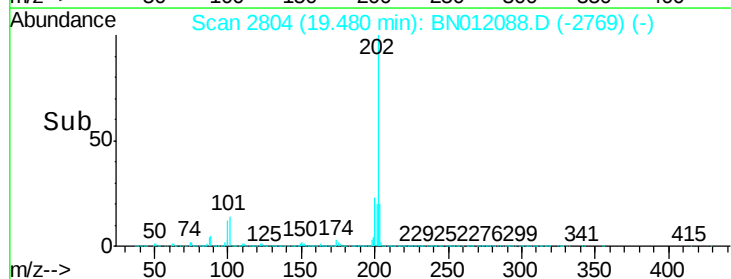
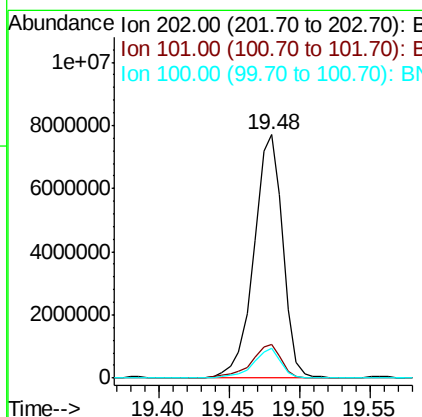
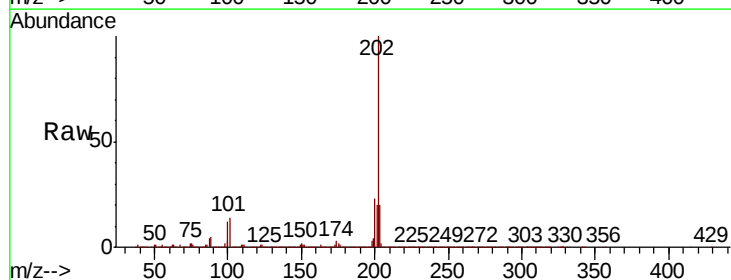
Instrument :
 BNA_N
 ClientSampled :
 C0AK6

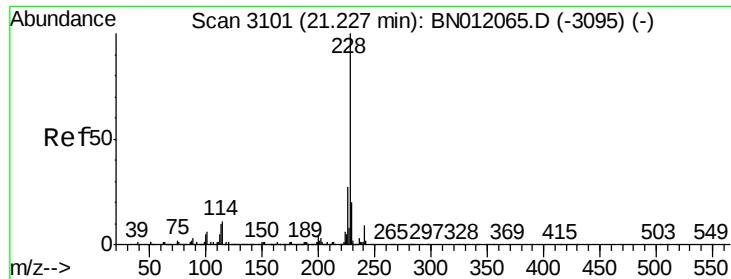
Tot Ion:202 Resp:12322358
 Ion Ratio Lower Upper
 202 100
 101 12.6 8.6 13.0
 100 9.8 6.6 9.8



#80
 Pyrene
 Concen: 100.243 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.01 min
 Lab File: BN012088.D
 Acq: 06 Oct 2020 13:04

Tgt Ion:202 Resp:11048448
 Ion Ratio Lower Upper
 202 100
 101 14.0 10.2 15.2
 100 12.1 8.8 13.2

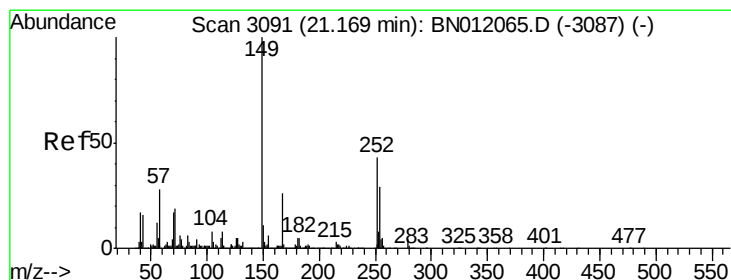
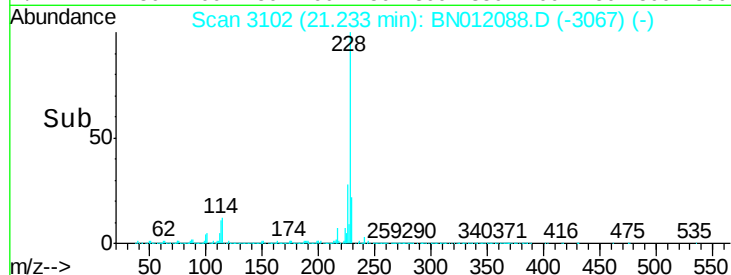
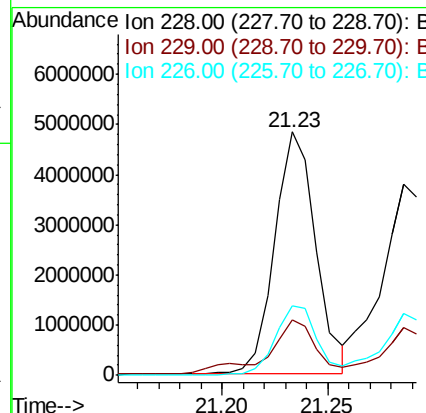
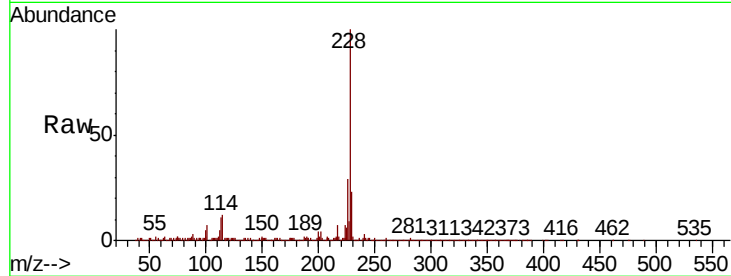




#83
Benzo(a)anthracene
Concen: 63.881 ng/ul
RT: 21.23 min Scan# 3102
Delta R.T. 0.01 min
Lab File: BN012088.D
Acq: 06 Oct 2020 13:04

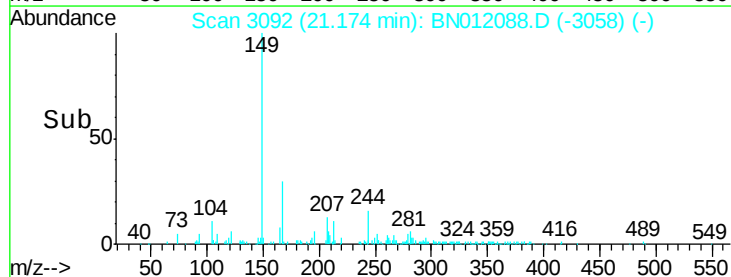
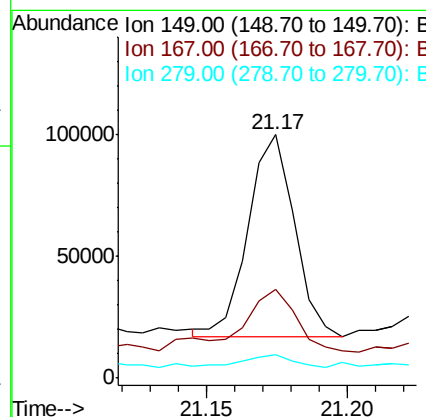
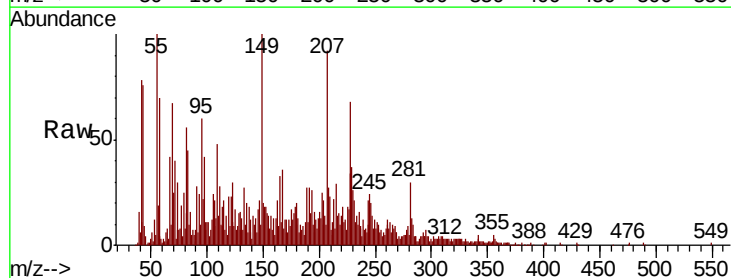
Instrument :
BNA_N
ClientSampleId :
C0AK6

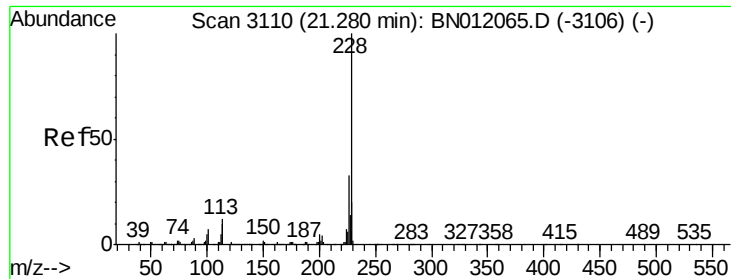
Tot Ion:228 Resp: 6575687
Ion Ratio Lower Upper
228 100
229 22.7 15.4 23.2
226 28.6 21.2 31.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 1.371 ng/ul
RT: 21.17 min Scan# 3092
Delta R.T. 0.00 min
Lab File: BN012088.D
Acq: 06 Oct 2020 13:04

Tgt Ion:149 Resp: 95368
Ion Ratio Lower Upper
149 100
167 36.3 22.0 33.0#
279 9.5 3.6 5.4#

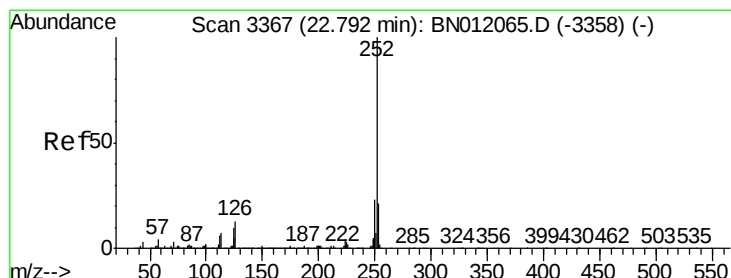
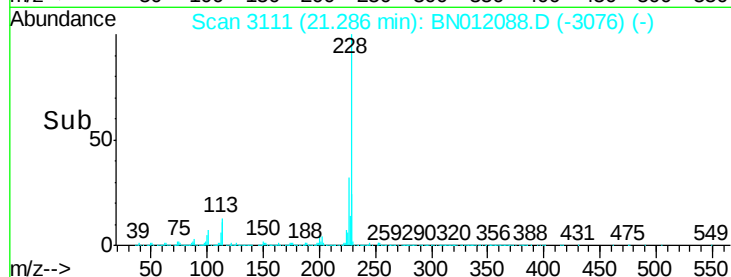
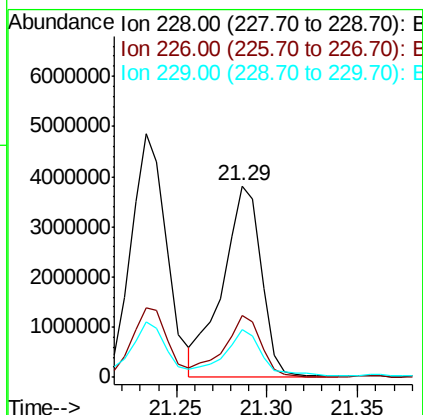
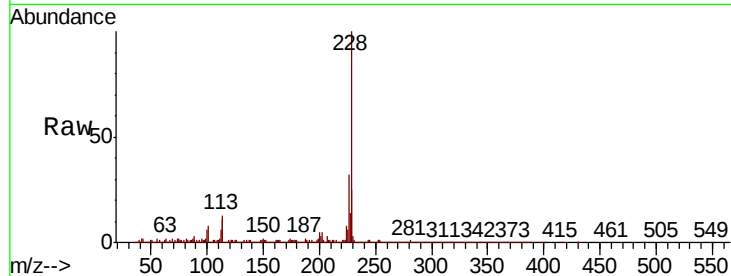




#85
Chrysene
Concen: 55.931 ng/ul
RT: 21.29 min Scan# 3111
Delta R.T. 0.01 min
Lab File: BN012088.D
Acq: 06 Oct 2020 13:04

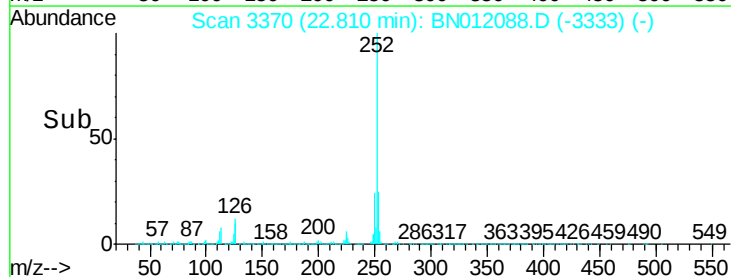
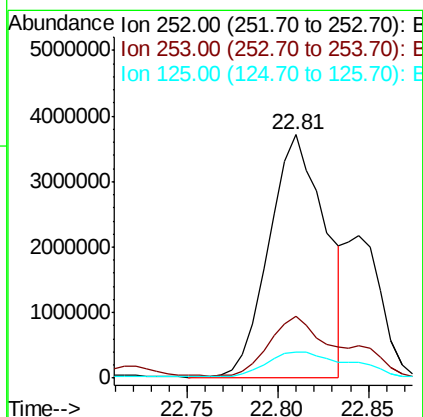
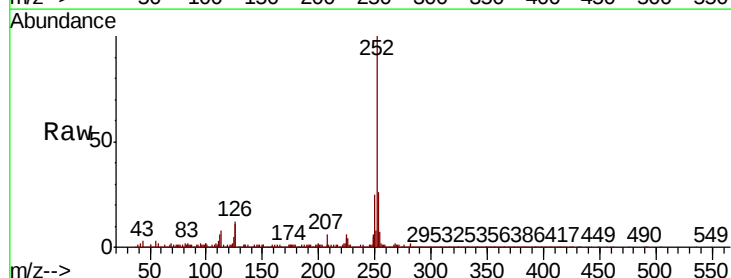
Instrument :
BNA_N
ClientSampleId :
C0AK6

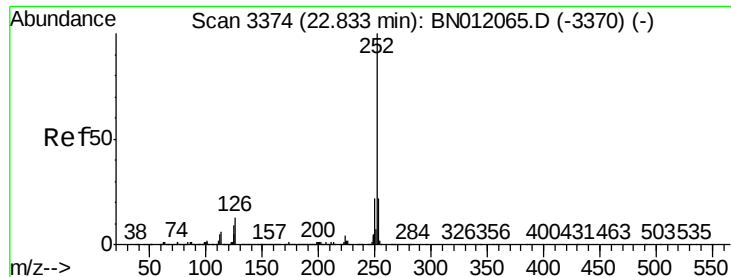
Tot Ion:228 Resp: 5659945
Ion Ratio Lower Upper
228 100
226 32.1 23.3 34.9
229 25.1 15.0 22.4#



#88
Benzo(b)fluoranthene
Concen: 65.125 ng/ul
RT: 22.81 min Scan# 3370
Delta R.T. 0.02 min
Lab File: BN012088.D
Acq: 06 Oct 2020 13:04

Tgt Ion:252 Resp: 7994352
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.8
125 10.9 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 66.114 ng/ul

RT: 22.81 min Scan# 3370

Delta R.T. -0.03 min

Lab File: BN012088.D

Acq: 06 Oct 2020 13:04

Instrument :

BNA_N

ClientSampled :

C0AK6

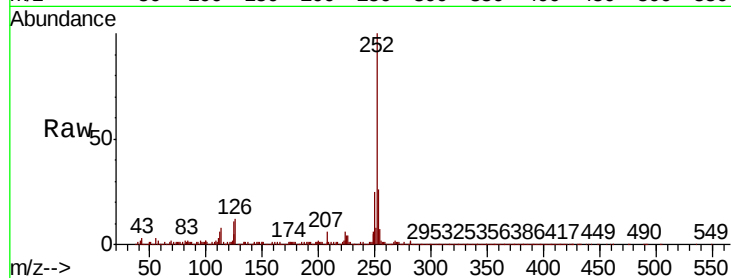
Tot Ion:252 Resp: 7994352

Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.1	27.1
125	10.9	7.7	11.5

252 100

253 25.5 18.1 27.1

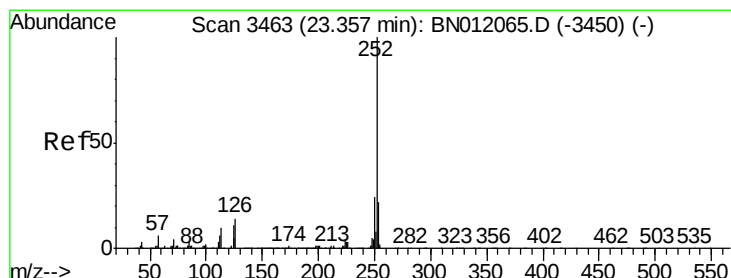
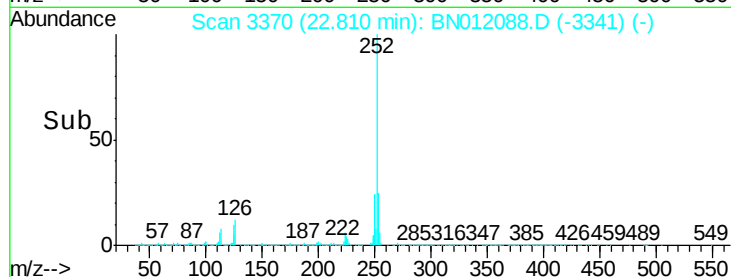
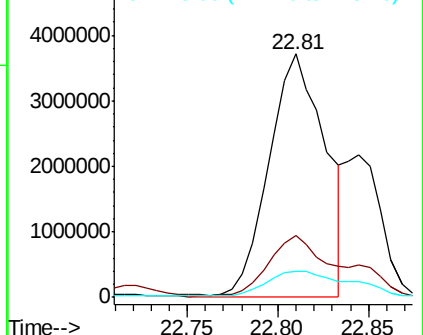
125 10.9 7.7 11.5



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: 55.326 ng/ul

RT: 23.37 min Scan# 3465

Delta R.T. 0.01 min

Lab File: BN012088.D

Acq: 06 Oct 2020 13:04

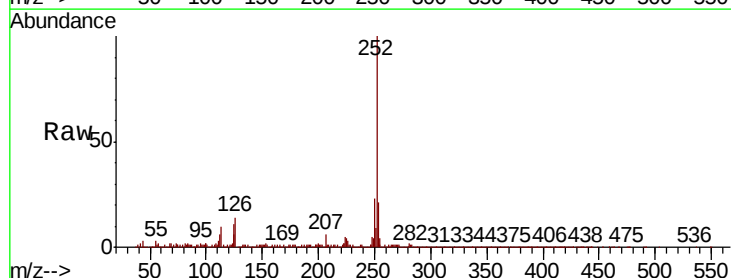
Tgt Ion:252 Resp: 6160712

Ion	Ratio	Lower	Upper
252	100		
253	21.1	16.6	24.8
125	11.0	9.0	13.6

252 100

253 21.1 16.6 24.8

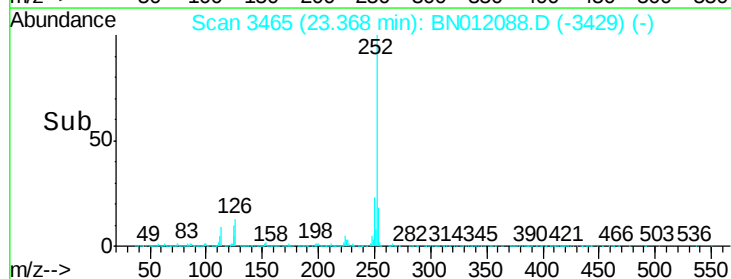
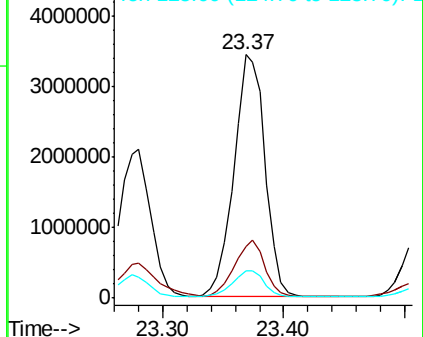
125 11.0 9.0 13.6

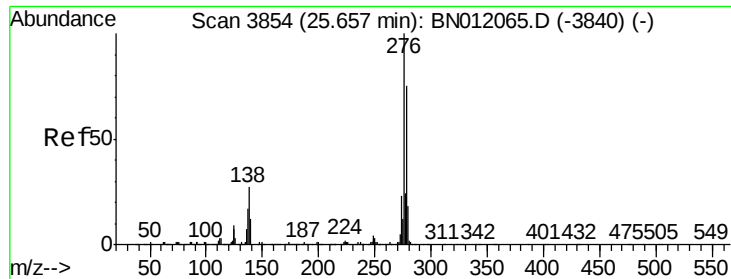


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



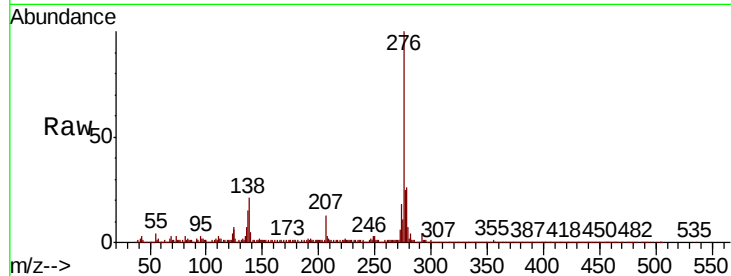


#92

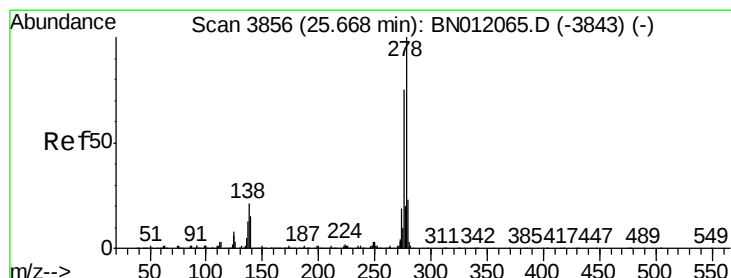
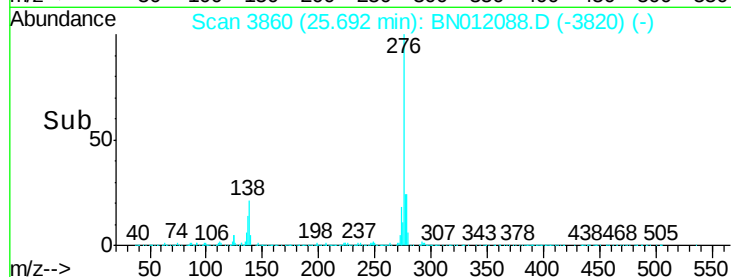
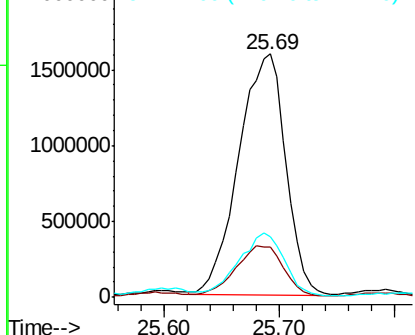
Indeno(1,2,3-cd)pyrene
Concen: 31.768 ng/ul
RT: 25.69 min Scan# 3860
Delta R.T. 0.04 min
Lab File: BN012088.D
Acq: 06 Oct 2020 13:04

Instrument :
BNA_N
ClientSampleId :
C0AK6

Tot Ion:276 Resp: 4517008
Ion Ratio Lower Upper
276 100
138 20.5 17.4 26.2
277 24.8 19.0 28.4



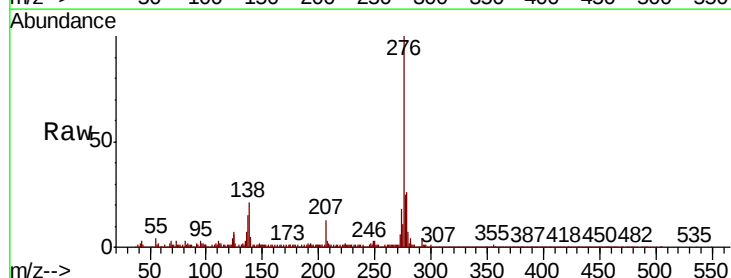
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



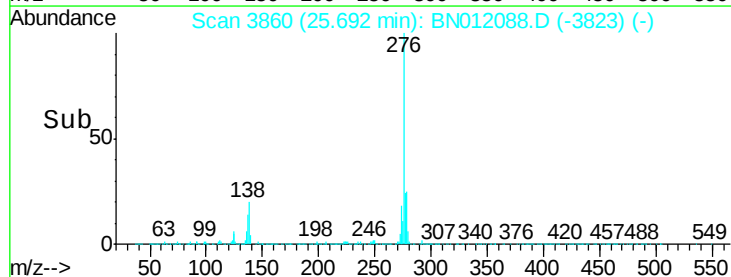
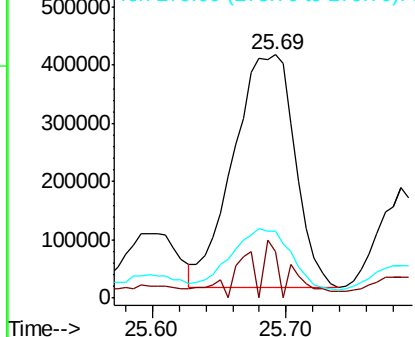
#93

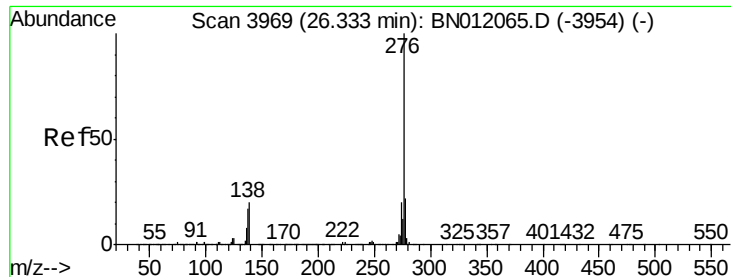
Dibenzo(a,h)anthracene
Concen: 10.904 ng/ul
RT: 25.69 min Scan# 3860
Delta R.T. 0.02 min
Lab File: BN012088.D
Acq: 06 Oct 2020 13:04

Tgt Ion:278 Resp: 1277290
Ion Ratio Lower Upper
278 100
139 19.2 12.2 18.2#
279 27.5 18.2 27.4#



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(a,h,i)perylene

Concen: 32.266 ng/ul

RT: 26.37 min Scan# 3976

Delta R.T. 0.04 min

Lab File: BN012088.D

Acq: 06 Oct 2020 13:04

Instrument :

BNA_N

ClientSampleId :

C0AK6

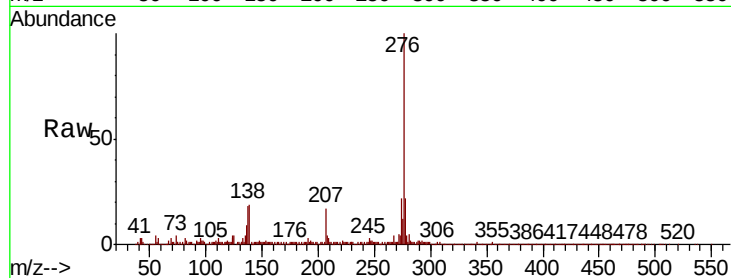
Tot Ion:276 Resp: 3907063

Ion Ratio Lower Upper

276 100

138 19.3 16.7 25.1

277 22.0 19.0 28.6



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

