

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100520\
 Data File : BN012090.D
 Acq On : 06 Oct 2020 14:17
 Operator : CG/JU
 Sample : L4184-18
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AS2

Quant Time: Oct 06 15:04:02 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	422095	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1714274	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	979799	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	1845355	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	1739993	20.00	ng/ul	0.02
86) Perylene-d12	23.48	264	1985724	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	23917	2.47	ng/uL	0.01
5) Phenol-d5	6.83	99	479553	13.61	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	303102	14.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	396562	13.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	385204	13.89	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	195886	14.39	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	207035	14.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	379408	13.44	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	385001	11.57	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1205188	15.68	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1363562	14.86	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	166967	11.80	ng/ul	0.00
58) Fluorene-d10	15.30	176	944350	14.08	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.44	200	29081	2.47	ng/ul	0.02
71) Anthracene-d10	17.16	188	1296623	14.49	ng/ul	0.01
79) Pyrene-d10	19.46	212	1361290	14.87	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.34	264	1435927	12.89	ng/ul	0.03

Target Compounds

					Ovalue
28) Naphthalene	10.48	128	1159185	11.815	ng/ul 100
34) 2-Methylnaphthalene	12.10	142	1133931	16.817	ng/ul 95
35) 1-Methylnaphthalene	12.32	142	1151012	17.274	ng/uL 99
41) 1,1'-Biphenyl	13.13	154	537835	6.627	ng/ul 97
45) Dimethylphthalate	13.76	163	516704	6.524	ng/ul 99
48) Acenaphthylene	14.02	152	2360306	24.486	ng/ul 99
50) Acenaphthene	14.36	153	3107253	44.851	ng/ul 98
54) Dibenzofuran	14.70	168	4308996	45.589	ng/ul 97
59) Fluorene	15.36	166	7055252	89.040	ng/ul 100
61) 4-Nitroaniline	15.36	138	79346	5.206	ng/ul# 12
65) N-Nitrosodiphenylamine	15.56	169	142113	2.415	ng/ul# 1
70) Phenanthrene	17.19	178	13932983	123.933	ng/ul# 84
72) Anthracene	17.19	178	13893047	122.386	ng/ul# 85
75) Carbazole	17.46	167	3463410	35.138	ng/ul 96
76) Di-n-butylphthalate	18.03	149	408977	3.267	ng/ul# 88
77) Fluoranthene	19.27	202	619137	4.903	ng/ul 98
80) Pyrene	19.56	202	306450	2.442	ng/ul# 55
83) Benzo(a)anthracene	21.24	228	16355582	139.529	ng/ul# 77
85) Chrysene	21.30	228	14896368	129.266	ng/ul# 66
88) Benzo(b)fluoranthene	22.83	252	17737404	127.508	ng/ul 99
89) Benzo(k)fluoranthene	22.83	252	17737404	129.445	ng/ul 98
91) Benzo(a)pyrene	23.39	252	13279957	105.239	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.71	276	6901164	42.830	ng/ul 98

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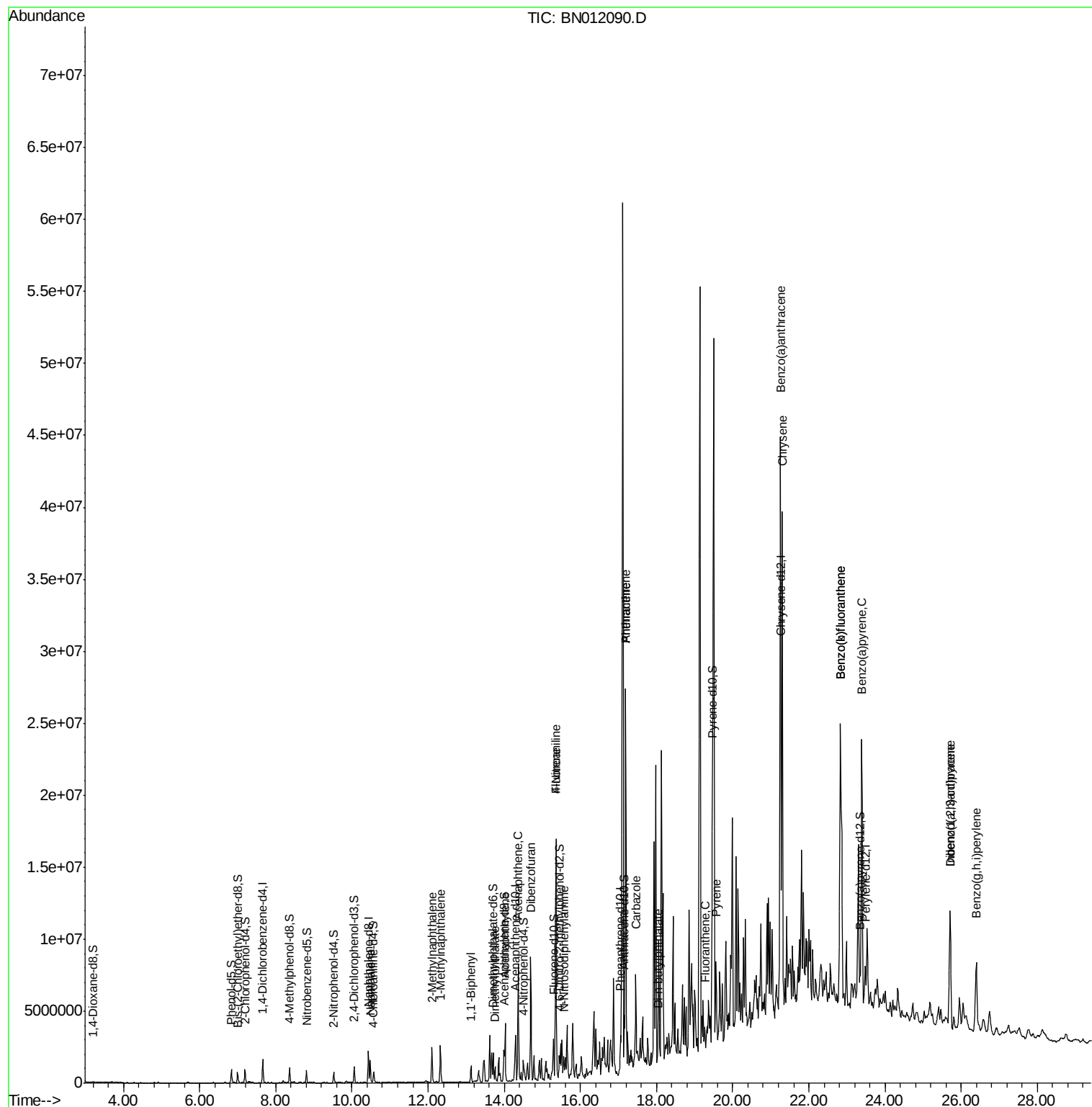
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	25.71	278	2378086	17.915	ng/ul#	86
94) Benzo(g,h,i)perylene	26.40	276	5404834	39.387	ng/ul	96

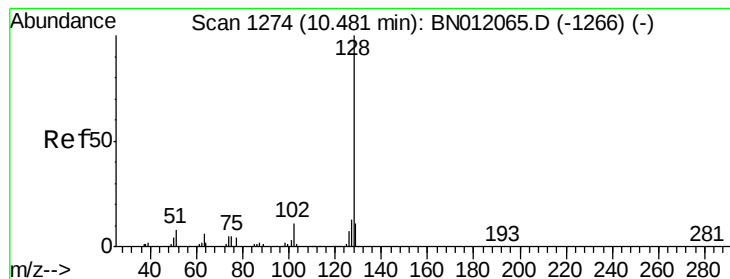
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 11.815 ng/ul

RT: 10.48 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

Instrument :

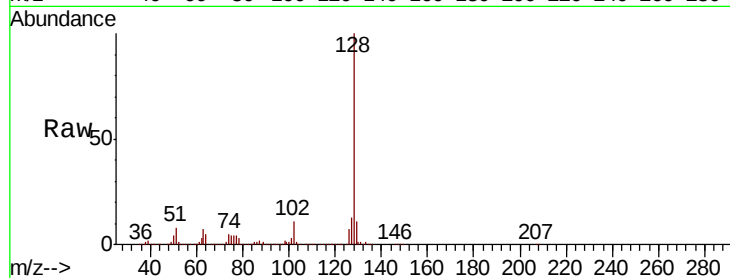
BNA_N

ClientSampleId :

C0AS2

Tot Ion:128 Resp: 1159185

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.2	10.7	16.1

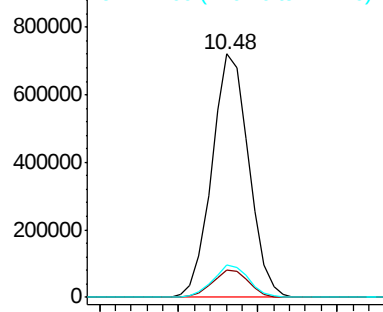


Abundance

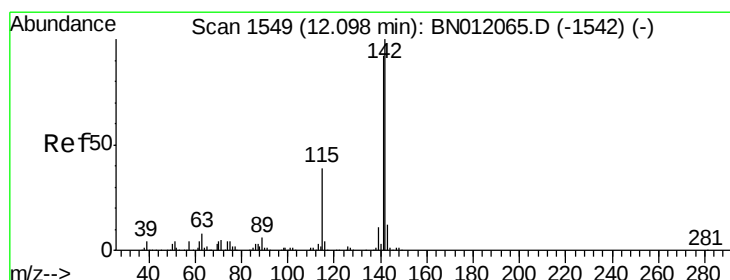
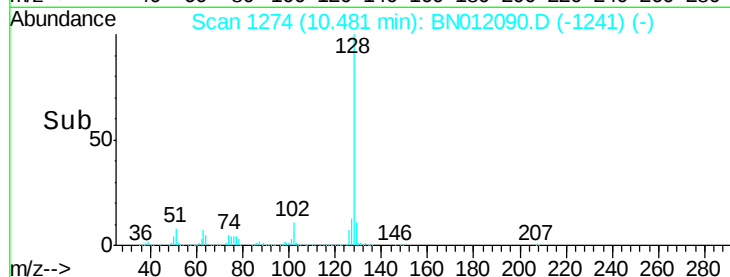
Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#34

2-Methylnaphthalene

Concen: 16.817 ng/ul

RT: 12.10 min Scan# 1550

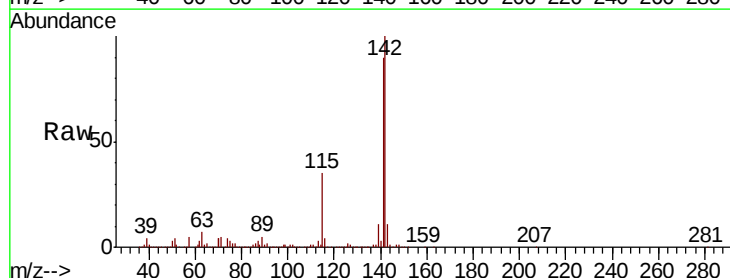
Delta R.T. 0.00 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

Tgt Ion:142 Resp: 1133931

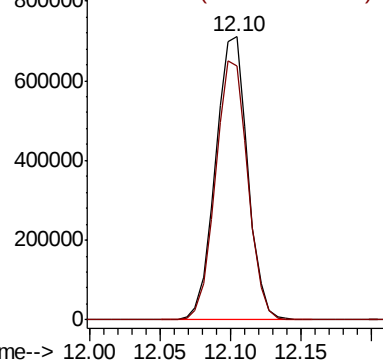
Ion	Ratio	Lower	Upper
142	100		
141	89.8	75.9	113.9



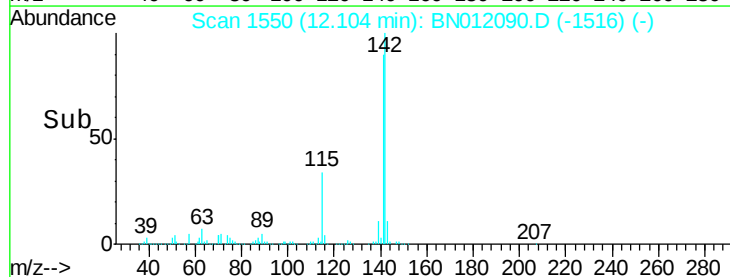
Abundance

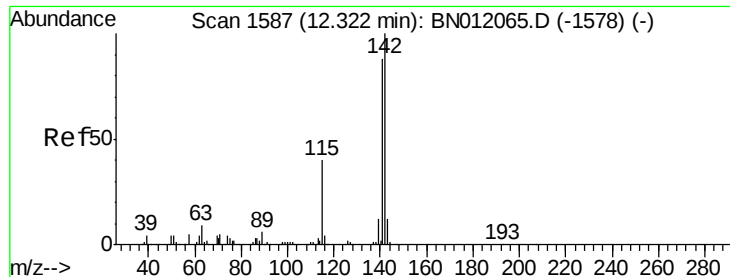
Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#35

1-Methylnaphthalene

Concen: 17.274 ng/uL

RT: 12.32 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

Instrument :

BNA_N

ClientSampled :

C0AS2

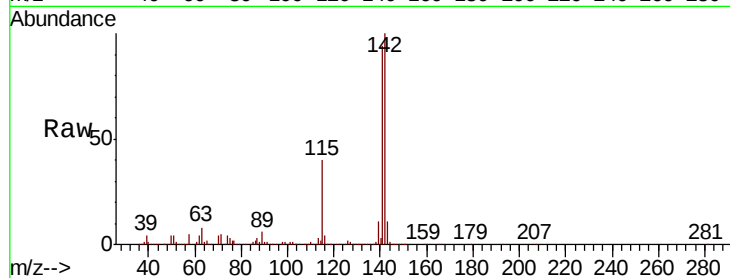
Tot Ion:142 Resp: 1151012

Ion Ratio Lower Upper

142 100

141 93.2 75.2 112.8

116 4.2 3.4 5.2



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

1000000

800000

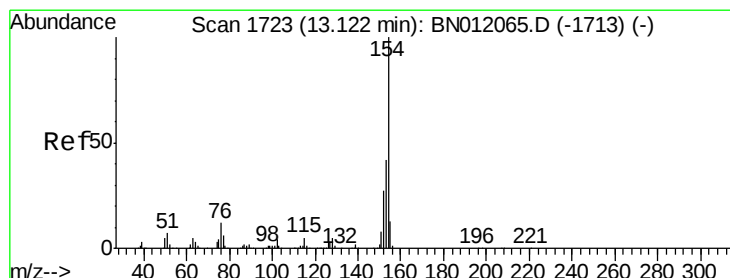
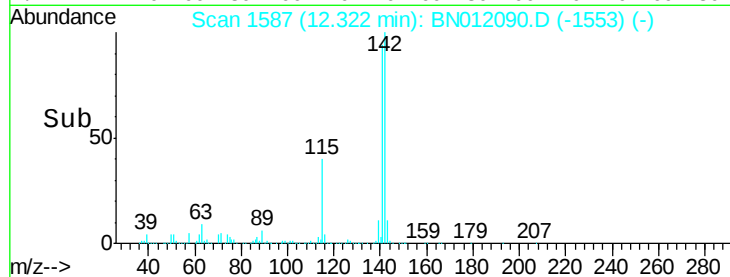
600000

400000

200000

0

Time-->



#41

1,1'-Biphenyl

Concen: 6.627 ng/uL

RT: 13.13 min Scan# 1724

Delta R.T. 0.00 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

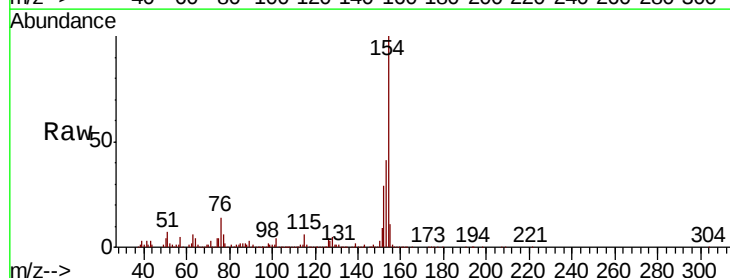
Tgt Ion:154 Resp: 537835

Ion Ratio Lower Upper

154 100

153 40.7 33.9 50.9

76 14.2 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

500000

400000

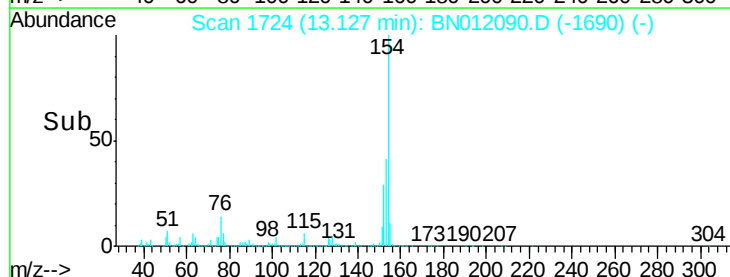
300000

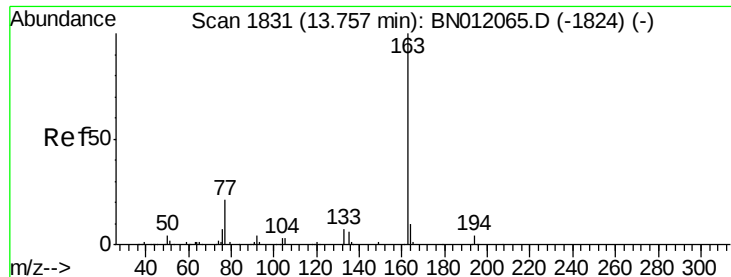
200000

100000

0

Time-->

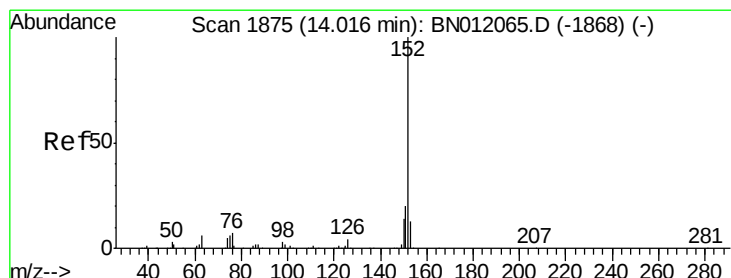
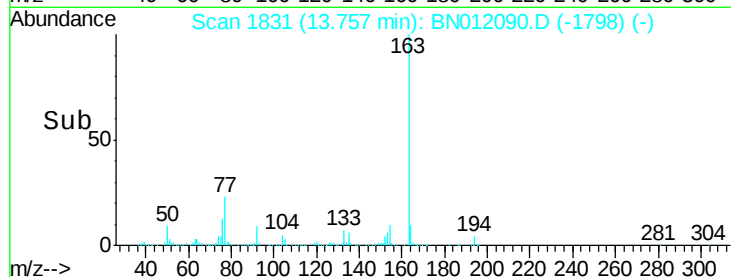
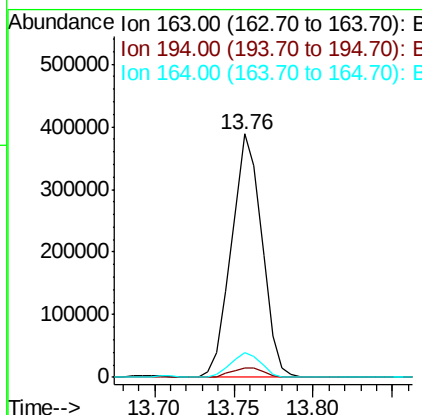
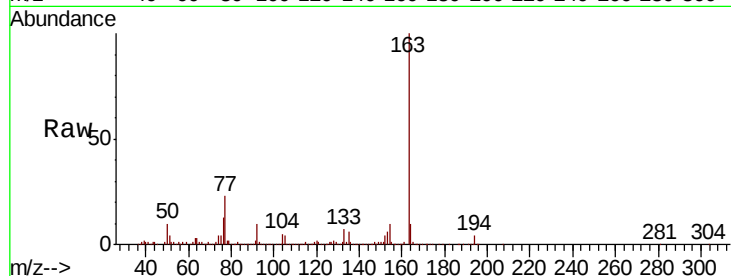




#45
Dimethylphthalate
Concen: 6.524 ng/ul
RT: 13.76 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BN012090.D
Acq: 06 Oct 2020 14:17

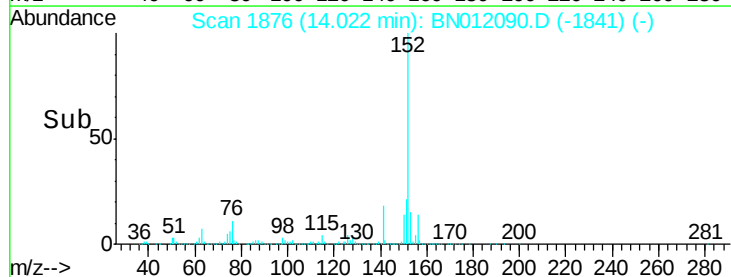
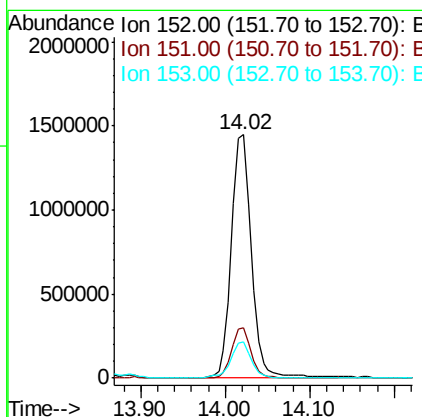
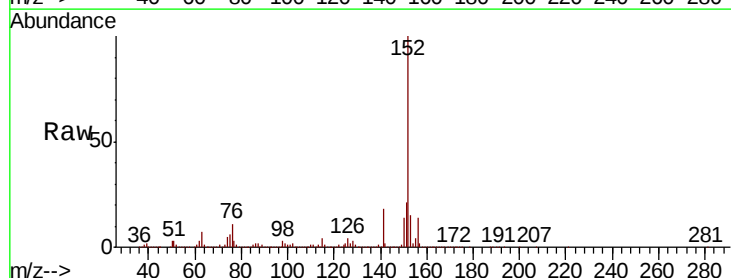
Instrument :
BNA_N
ClientSampleId :
C0AS2

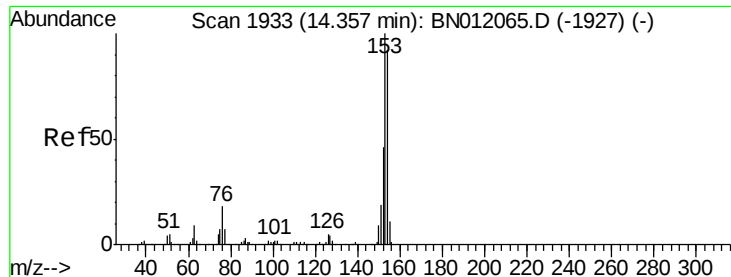
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	10.3	7.8	11.8



#48
Acenaphthylene
Concen: 24.486 ng/ul
RT: 14.02 min Scan# 1876
Delta R.T. 0.01 min
Lab File: BN012090.D
Acq: 06 Oct 2020 14:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	14.7	11.4	17.2





#50

Acenaphthene

Concen: 44.851 ng/ul

RT: 14.36 min Scan# 1934

Delta R.T. 0.00 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

Instrument :

BNA_N

ClientSampleId :

C0AS2

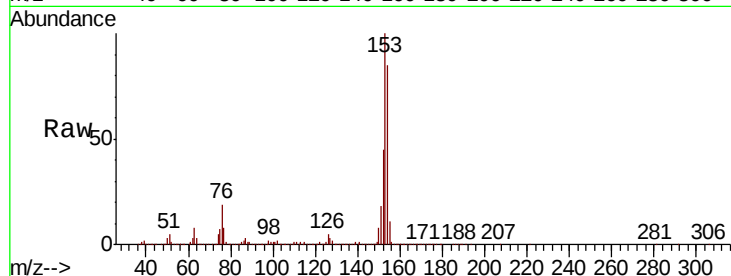
Tot Ion:153 Resp: 3107253

Ion Ratio Lower Upper

153 100

152 44.9 35.9 53.9

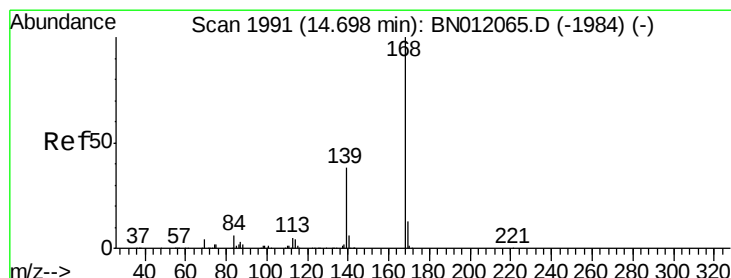
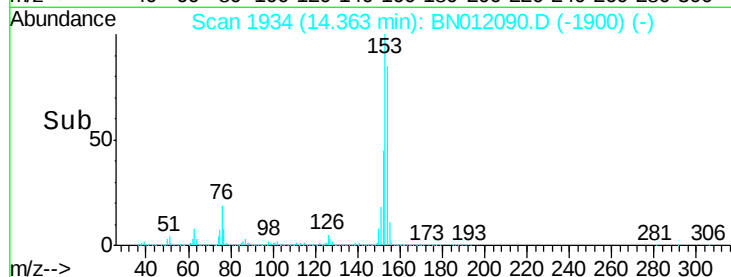
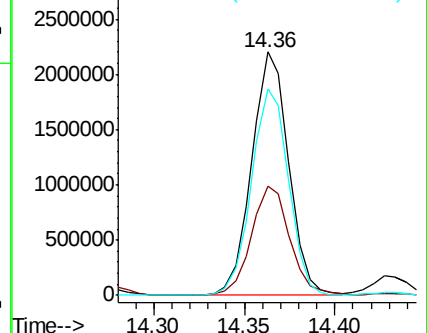
154 85.1 70.2 105.2



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: 45.589 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BN012090.D

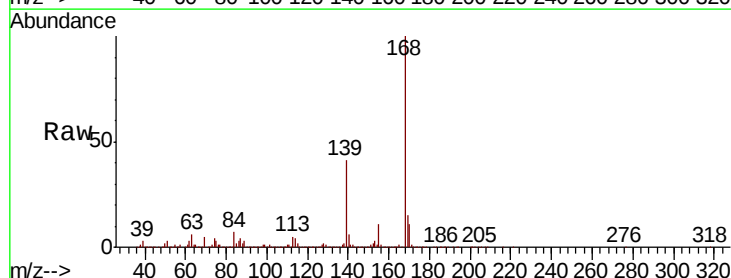
Acq: 06 Oct 2020 14:17

Tgt Ion:168 Resp: 4308996

Ion Ratio Lower Upper

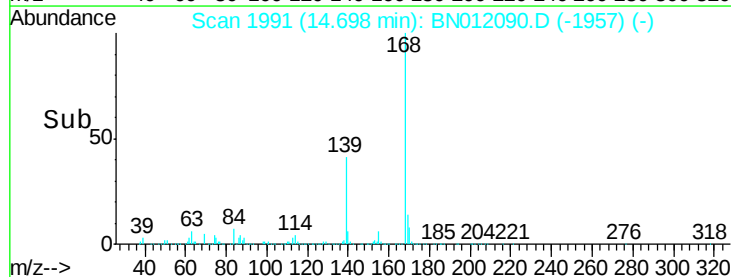
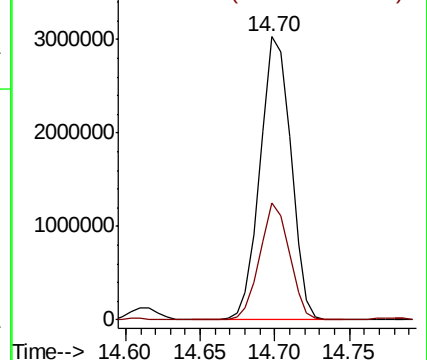
168 100

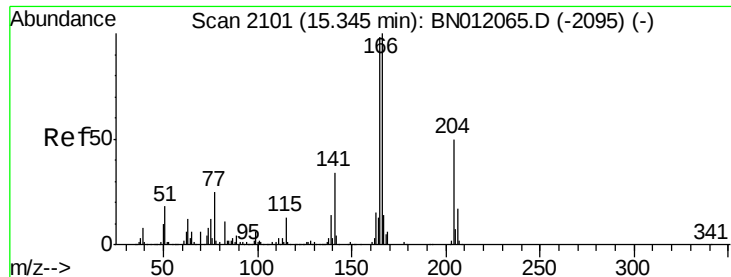
139 41.5 31.5 47.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 89.040 ng/ul

RT: 15.36 min Scan# 2103

Delta R.T. 0.01 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

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ClientSampleId :

C0AS2

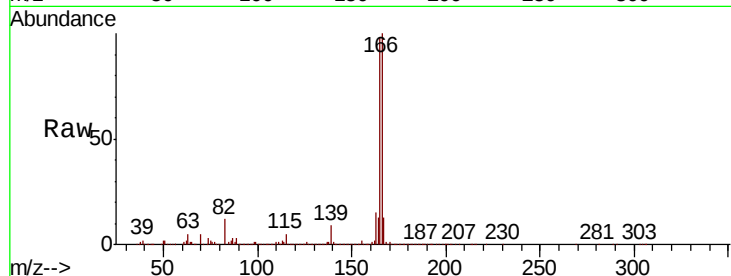
Tot Ion:166 Resp: 7055252

Ion Ratio Lower Upper

166 100

165 98.4 79.0 118.6

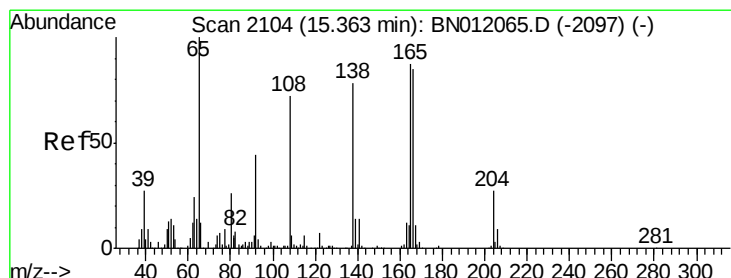
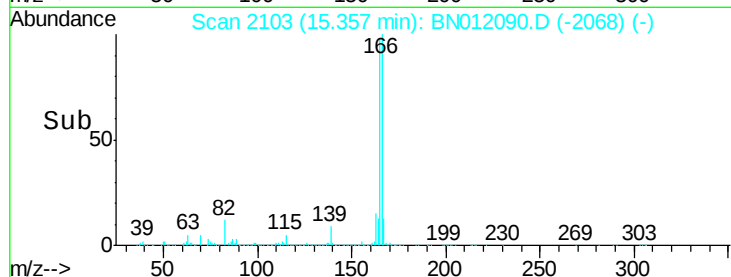
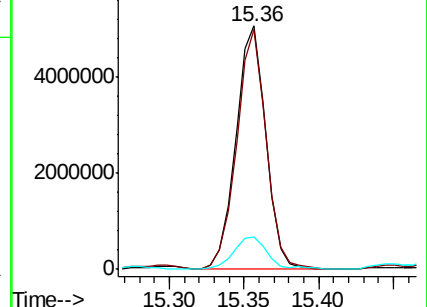
167 13.3 10.5 15.7



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: 5.206 ng/ul

RT: 15.36 min Scan# 2103

Delta R.T. -0.01 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

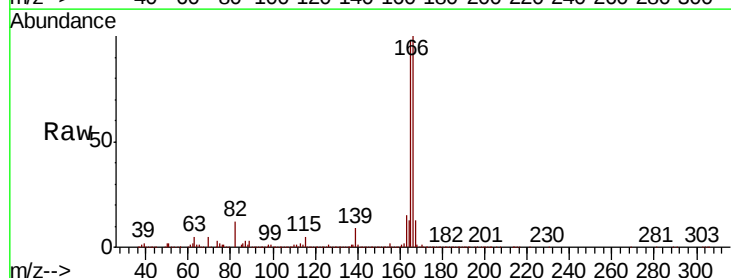
Tgt Ion:138 Resp: 79346

Ion Ratio Lower Upper

138 100

92 3.3 47.1 70.7#

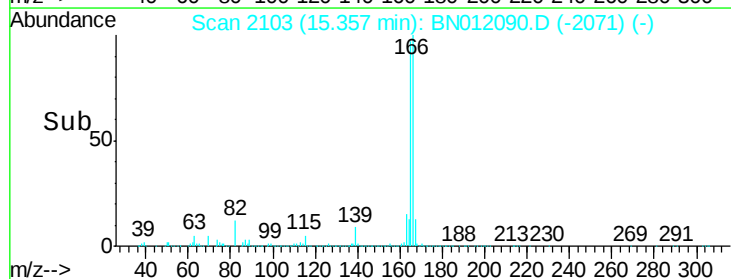
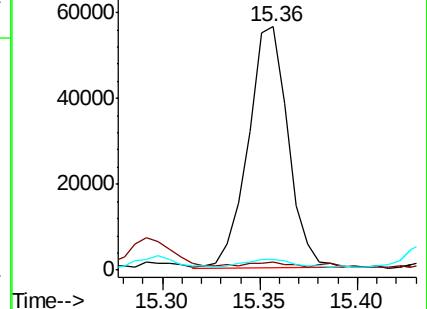
108 4.3 80.7 121.1#

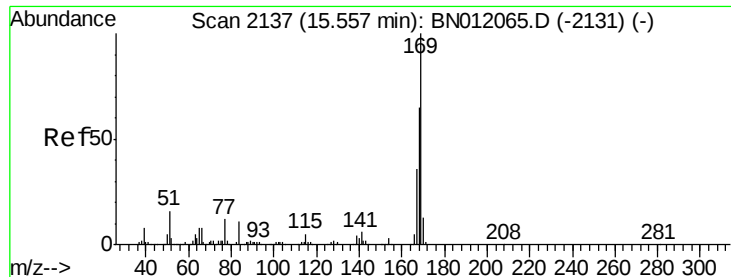


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BN0

Ion 108.00 (107.70 to 108.70): E





#65

N-Nitrosodiphenylamine

Concen: 2.415 ng/ul

RT: 15.56 min Scan# 2138

Delta R.T. 0.00 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

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C0AS2

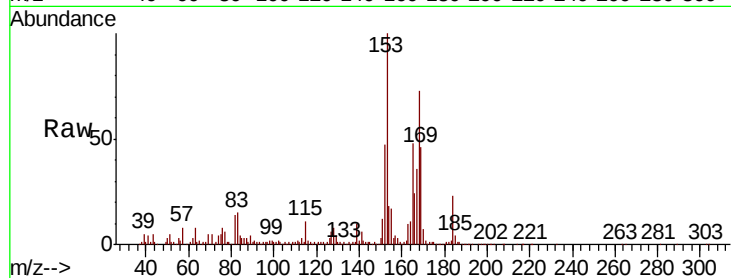
Tot Ion:169 Resp: 142113

Ion Ratio Lower Upper

169 100

168 159.5 52.8 79.2#

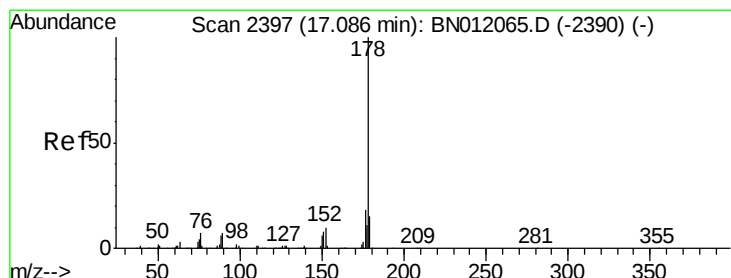
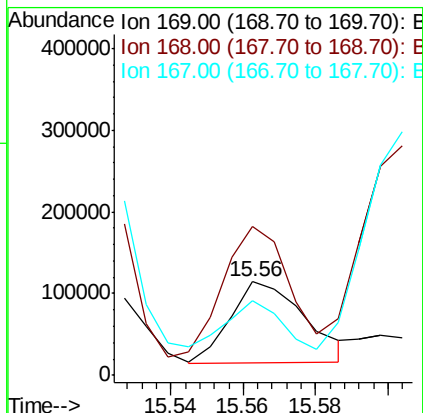
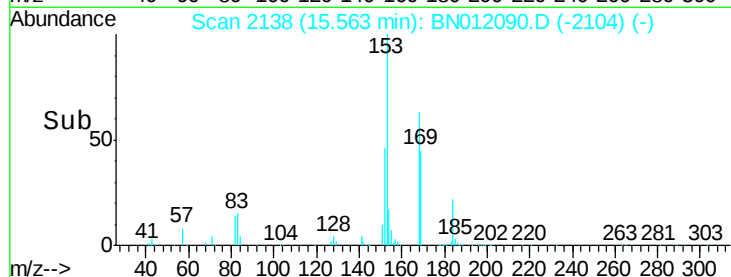
167 79.3 27.8 41.8#



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: 123.933 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. 0.11 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

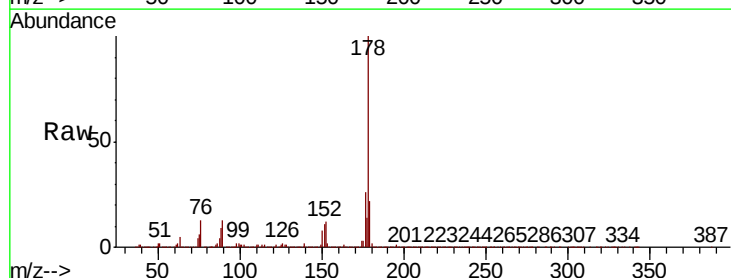
Tgt Ion:178 Resp:13932983

Ion Ratio Lower Upper

178 100

179 22.2 12.2 18.2#

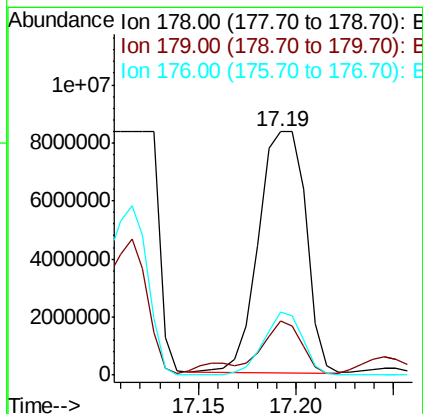
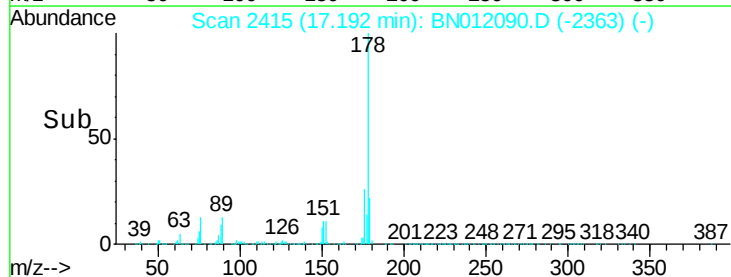
176 26.0 15.4 23.2#

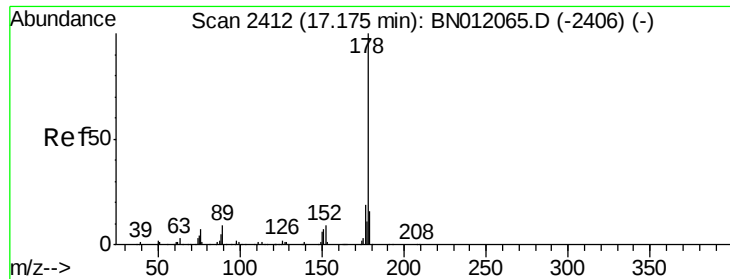


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 122.386 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. 0.01 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

Instrument :

BNA_N

ClientSampleId :

C0AS2

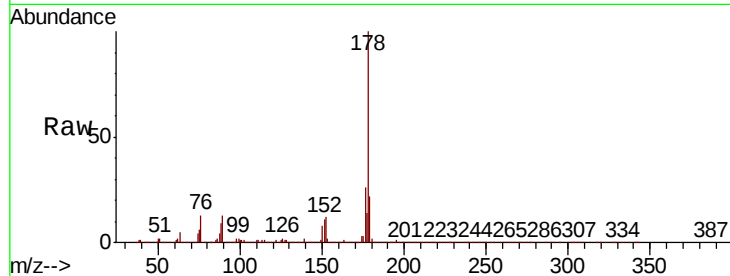
Tot Ion:178 Resp:13893047

Ion Ratio Lower Upper

178 100

179 22.2 12.8 19.2#

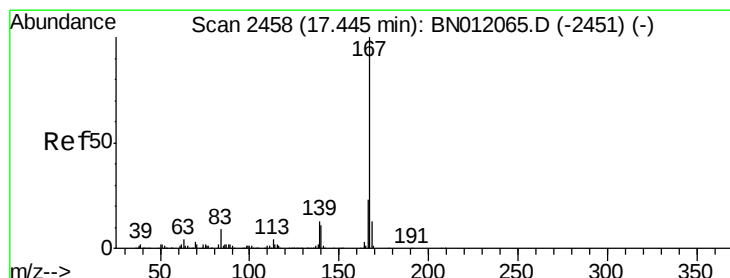
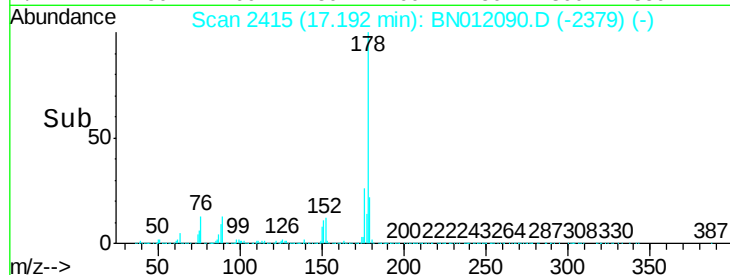
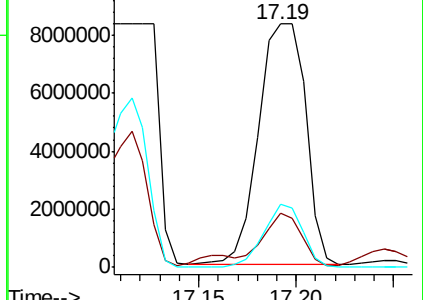
176 26.0 15.0 22.6#



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: 35.138 ng/ul

RT: 17.46 min Scan# 2460

Delta R.T. 0.01 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

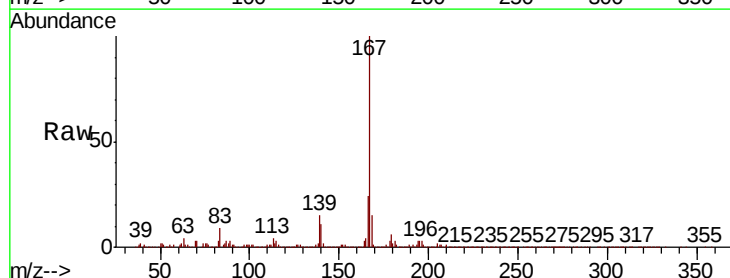
Tgt Ion:167 Resp: 3463410

Ion Ratio Lower Upper

167 100

166 23.9 17.4 26.0

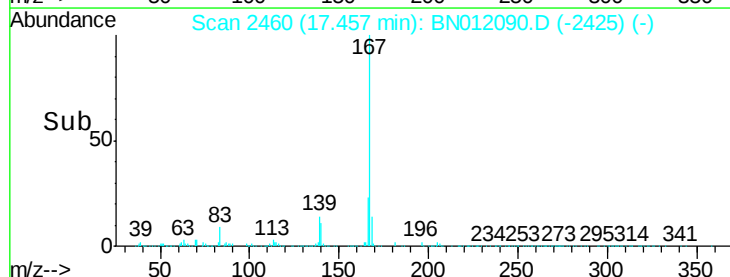
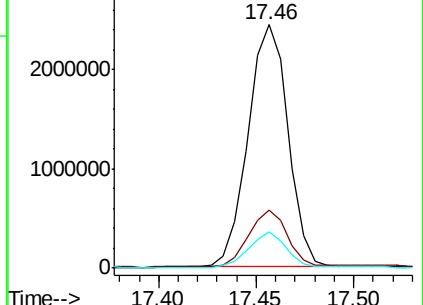
139 14.8 10.9 16.3

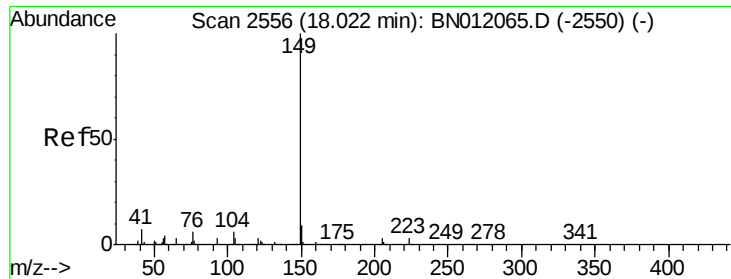


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

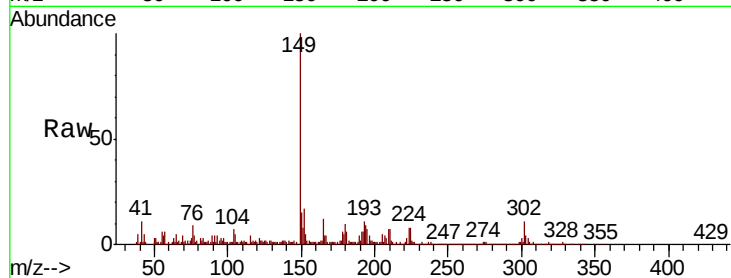




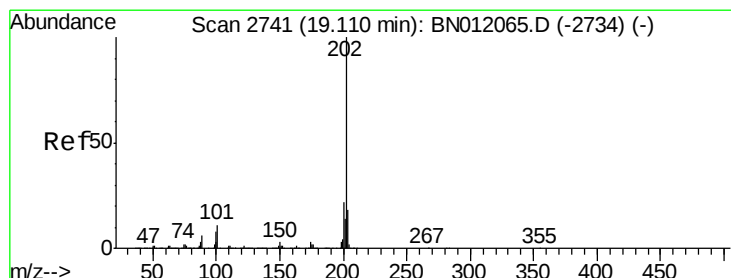
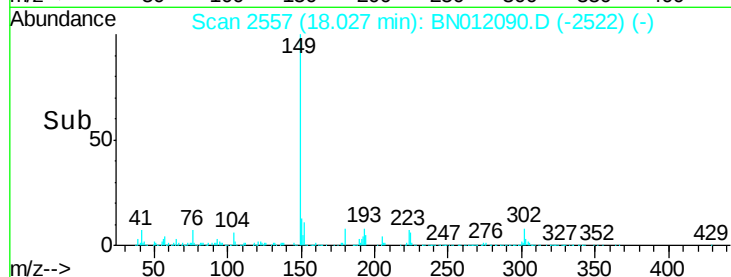
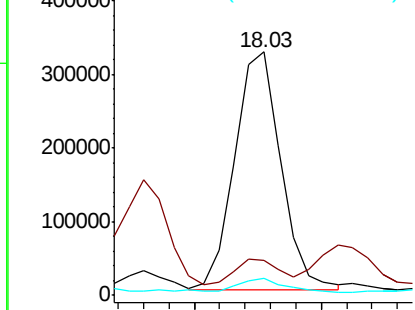
#76
Di-n-butylphthalate
Concen: 3.267 ng/ul
RT: 18.03 min Scan# 2557
Delta R.T. 0.01 min
Lab File: BN012090.D
Acq: 06 Oct 2020 14:17

Instrument :
BNA_N
ClientSampleId :
C0AS2

Tot Ion:149 Resp: 408977
Ion Ratio Lower Upper
149 100
150 14.6 7.0 10.6#
104 6.8 4.3 6.5#

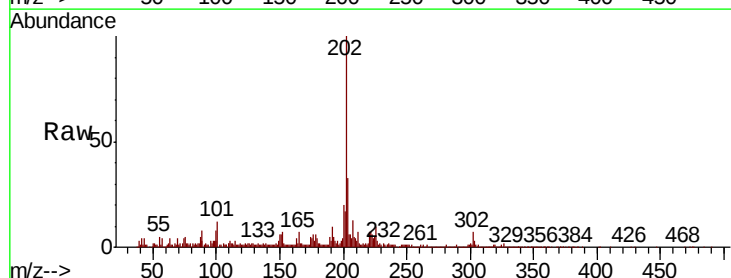


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

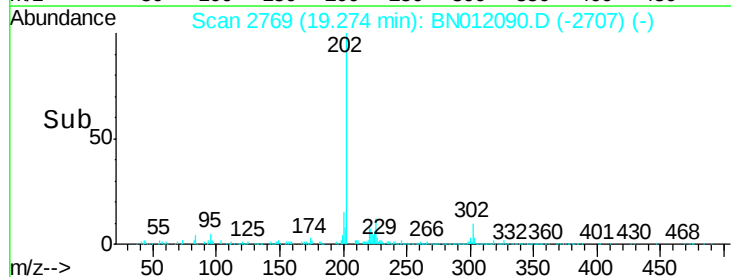
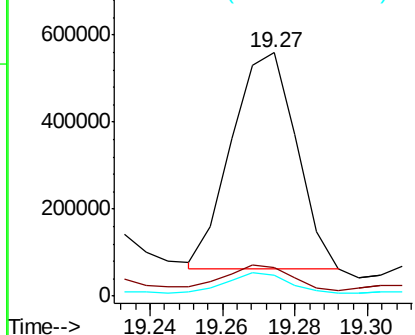


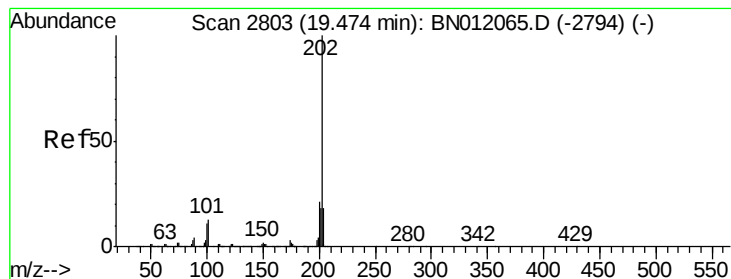
#77
Fluoranthene
Concen: 4.903 ng/ul
RT: 19.27 min Scan# 2769
Delta R.T. 0.16 min
Lab File: BN012090.D
Acq: 06 Oct 2020 14:17

Tgt Ion:202 Resp: 619137
Ion Ratio Lower Upper
202 100
101 11.6 8.6 13.0
100 8.5 6.6 9.8



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: 2.442 ng/ul

RT: 19.56 min Scan# 2818

Delta R.T. 0.09 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

Instrument :

BNA_N

ClientSampled :

C0AS2

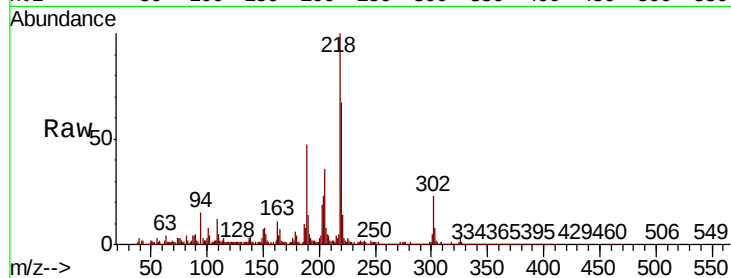
Tot Ion:202 Resp: 306450

Ion Ratio Lower Upper

202 100

101 42.3 10.2 15.2#

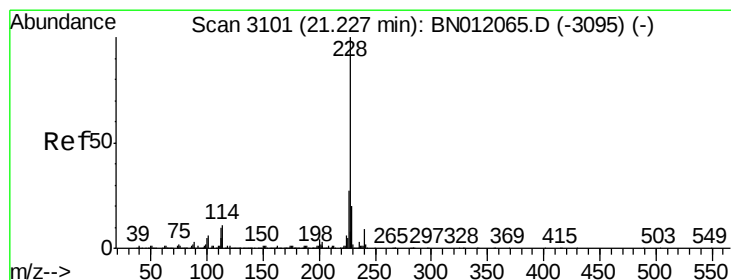
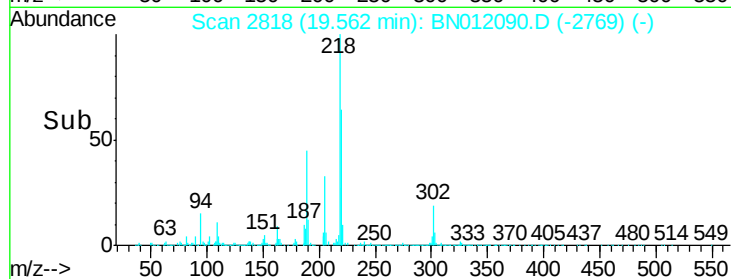
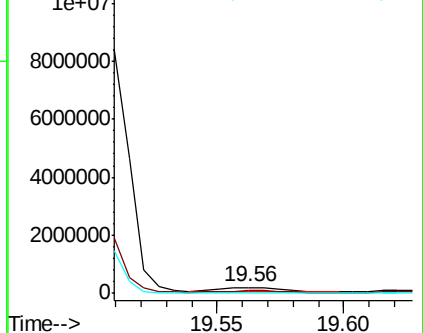
100 14.6 8.8 13.2#



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: 139.529 ng/ul

RT: 21.24 min Scan# 3104

Delta R.T. 0.02 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

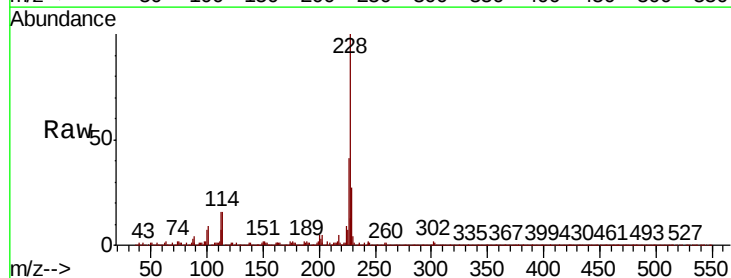
Tgt Ion:228 Resp:16355582

Ion Ratio Lower Upper

228 100

229 27.3 15.4 23.2#

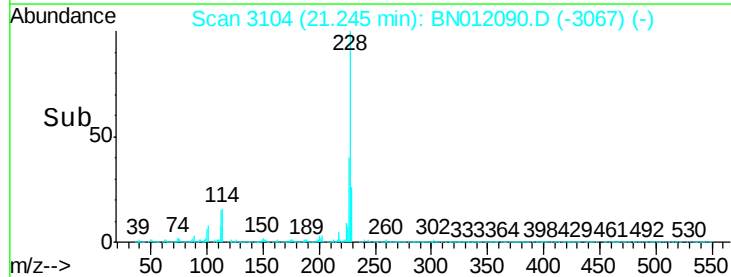
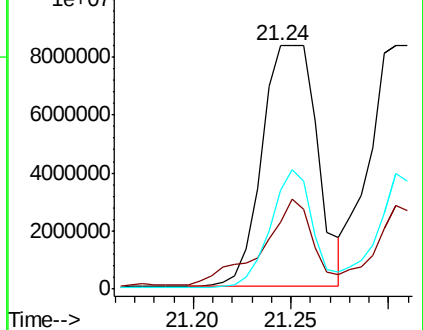
226 40.6 21.2 31.8#

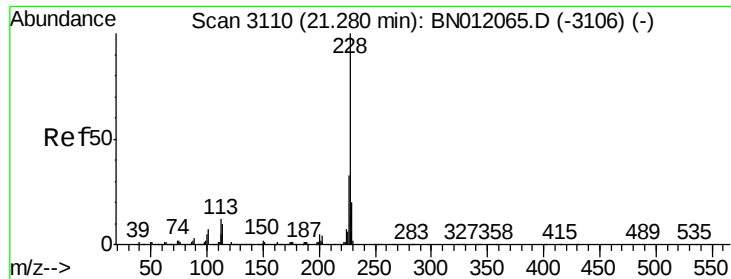


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#85

Chrysene

Concen: 129.266 ng/ul

RT: 21.30 min Scan# 3114

Delta R.T. 0.02 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

Instrument :

BNA_N

ClientSampleId :

C0AS2

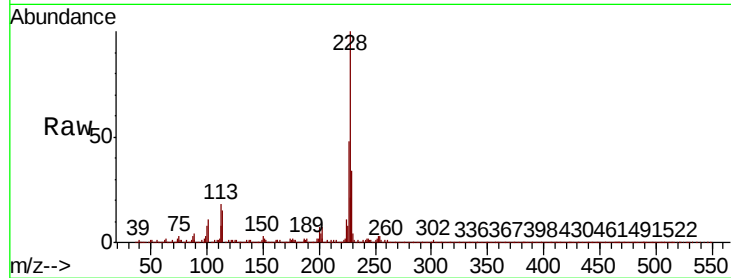
Tot Ion:228 Resp:14896368

Ion Ratio Lower Upper

228 100

226 47.5 23.3 34.9#

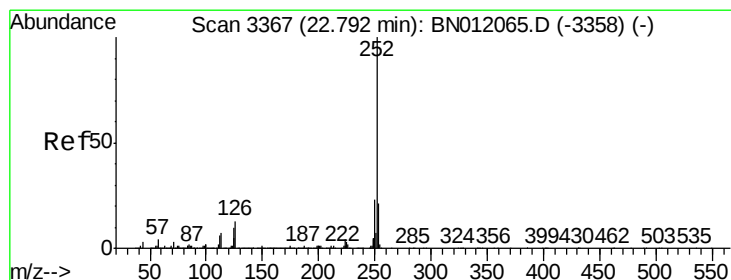
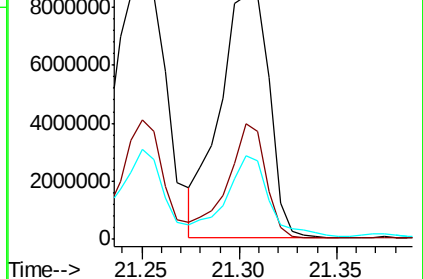
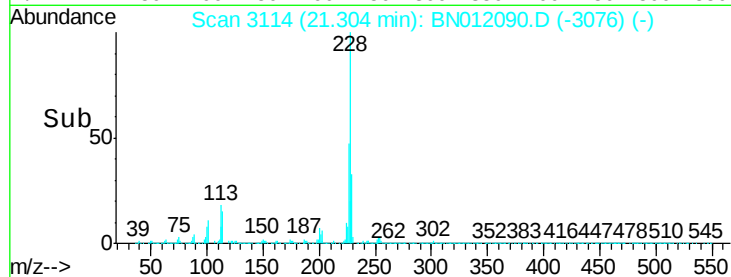
229 34.1 15.0 22.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 127.508 ng/ul

RT: 22.83 min Scan# 3373

Delta R.T. 0.04 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

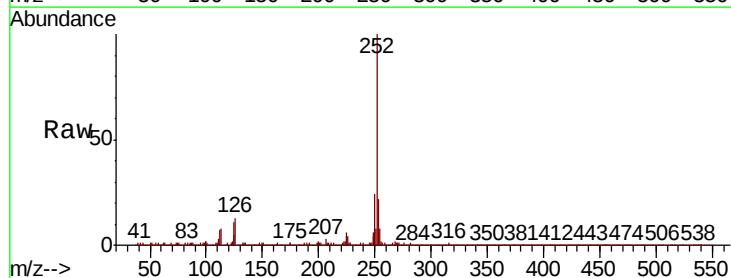
Tgt Ion:252 Resp:17737404

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

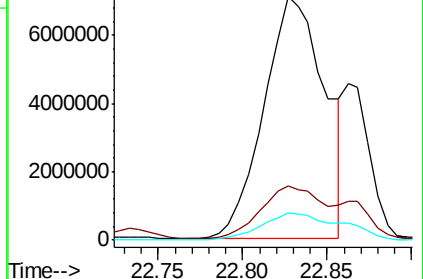
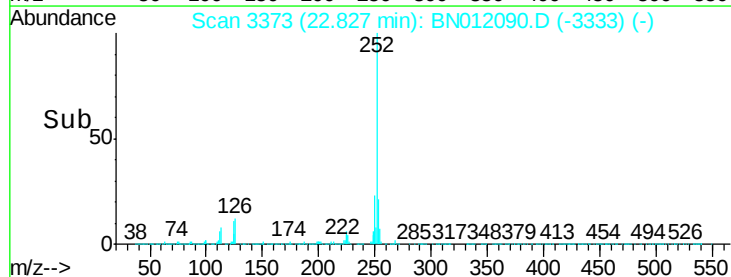
125 11.0 8.1 12.1

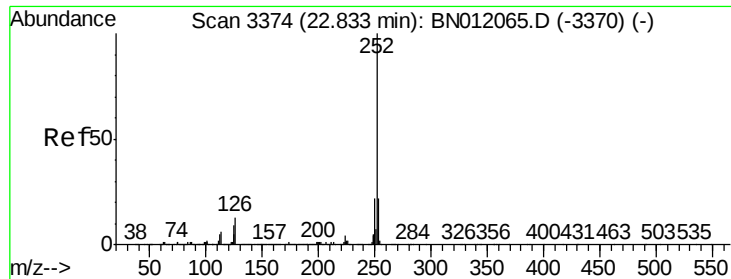


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 129.445 ng/ul

RT: 22.83 min Scan# 3373

Delta R.T. -0.01 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

Instrument :

BNA_N

ClientSampleId :

C0AS2

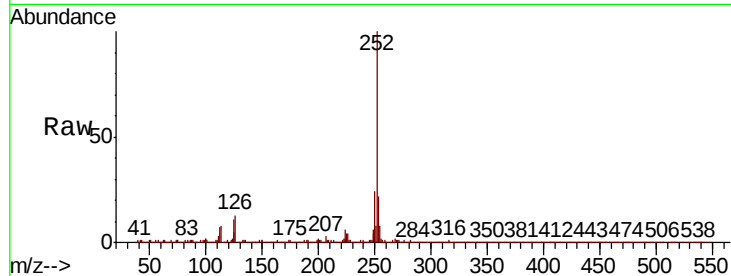
Tot Ion:252 Resp:17737404

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

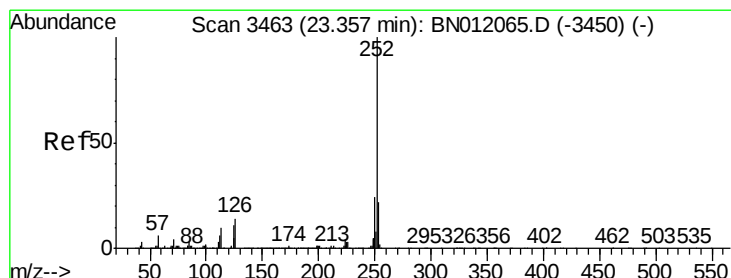
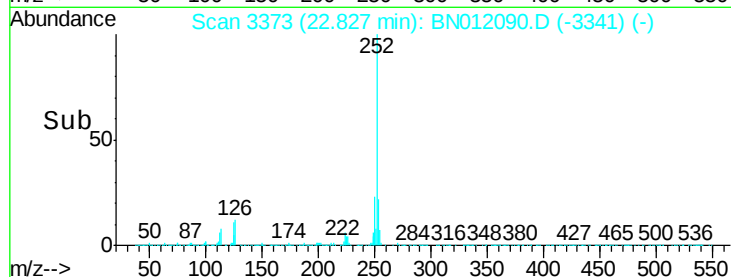
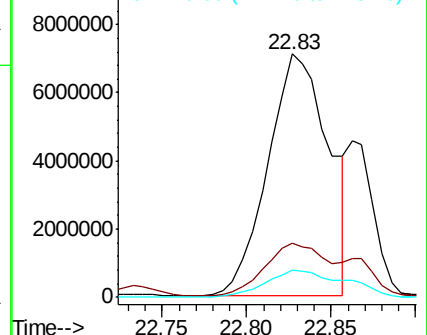
125 11.0 7.7 11.5



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: 105.239 ng/ul

RT: 23.39 min Scan# 3469

Delta R.T. 0.04 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

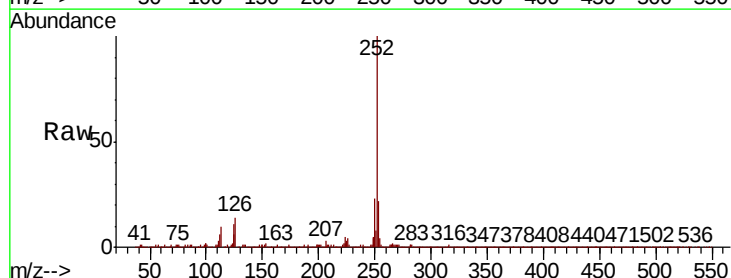
Tgt Ion:252 Resp:13279957

Ion Ratio Lower Upper

252 100

253 22.1 16.6 24.8

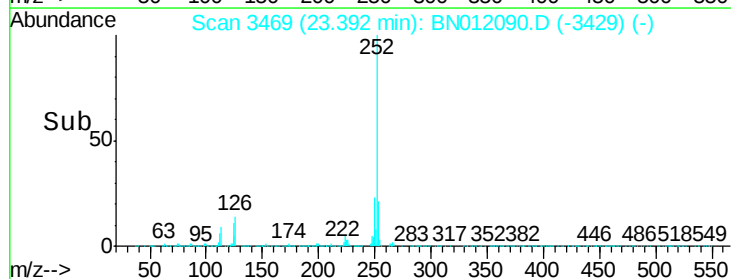
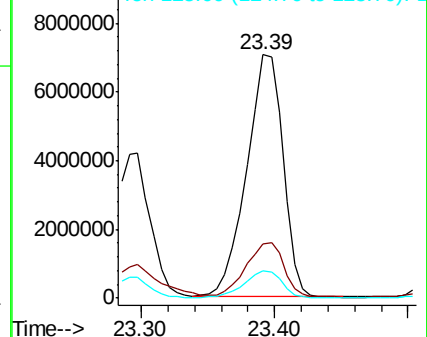
125 11.2 9.0 13.6

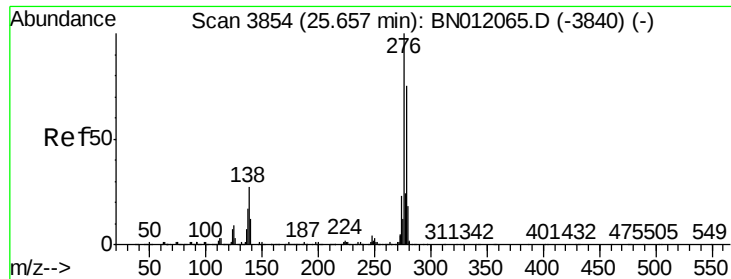


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



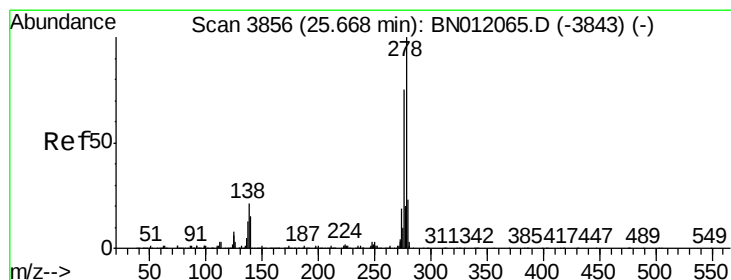
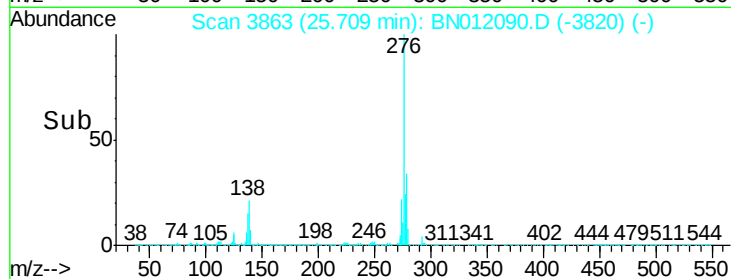
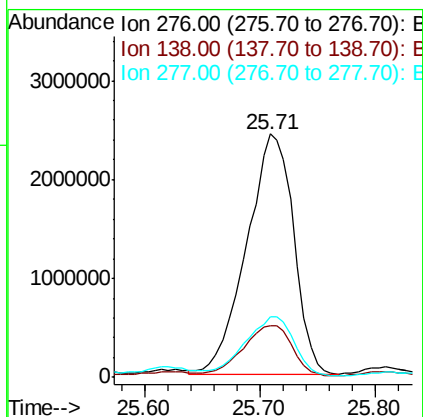
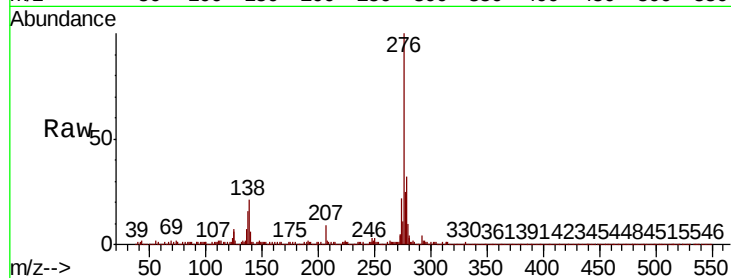


#92

Indeno(1,2,3-cd)pyrene
Concen: 42.830 ng/ul
RT: 25.71 min Scan# 3863
Delta R.T. 0.05 min
Lab File: BN012090.D
Acq: 06 Oct 2020 14:17

Instrument :
BNA_N
ClientSampleId :
C0AS2

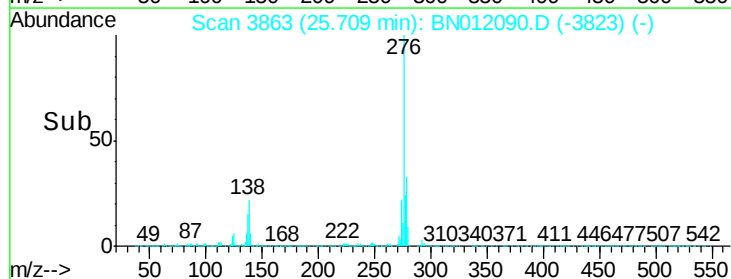
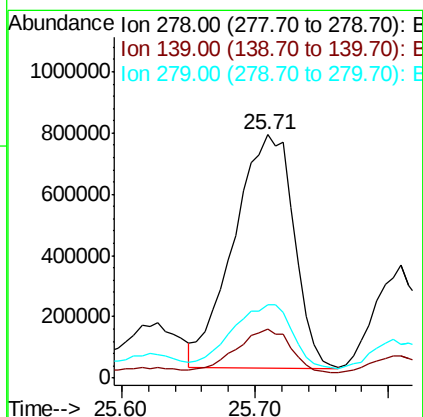
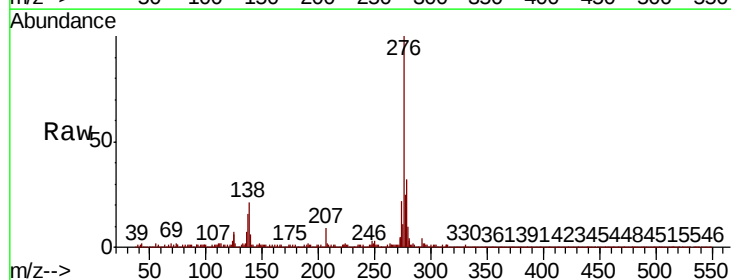
Tot Ion:276 Resp: 6901164
Ion Ratio Lower Upper
276 100
138 21.4 17.4 26.2
277 25.0 19.0 28.4

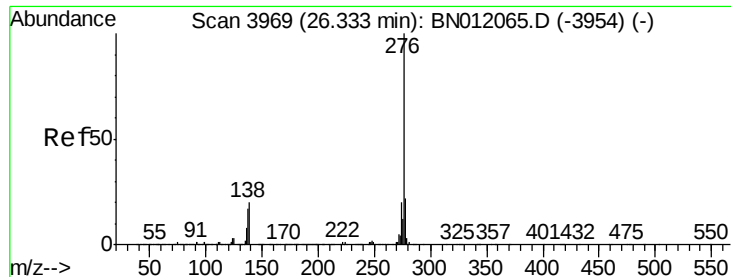


#93

Dibenzo(a,h)anthracene
Concen: 17.915 ng/ul
RT: 25.71 min Scan# 3863
Delta R.T. 0.04 min
Lab File: BN012090.D
Acq: 06 Oct 2020 14:17

Tgt Ion:278 Resp: 2378086
Ion Ratio Lower Upper
278 100
139 20.0 12.2 18.2#
279 30.1 18.2 27.4#





#94

Benzo(a,h,i)perylene

Concen: 39.387 ng/ul

RT: 26.40 min Scan# 3980

Delta R.T. 0.06 min

Lab File: BN012090.D

Acq: 06 Oct 2020 14:17

Instrument :

BNA_N

ClientSampleId :

C0AS2

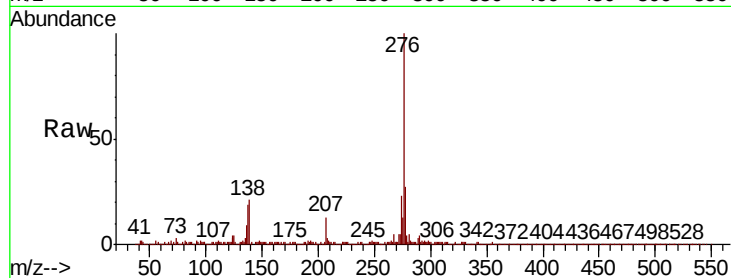
Tot Ion:276 Resp: 5404834

Ion Ratio Lower Upper

276 100

138 20.9 16.7 25.1

277 27.2 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

