

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042120\
 Data File : BN010572.D
 Acq On : 21 Apr 2020 18:33
 Operator : CG/JU
 Sample : L2338-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 AOC22-MW03-20200415

Quant Time: Apr 21 19:04:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 13:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	4181	0.40	ng	0.00
7) Naphthalene-d8	10.35	136	16838	0.40	ng	0.00
13) Acenaphthene-d10	14.21	164	18753	0.40	ng	0.00
19) Phenanthrene-d10	16.97	188	45870	0.40	ng	0.01
27) Chrysene-d12	21.19	240	25754	0.40	ng	0.01
34) Perylene-d12	23.36	264	22188	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	3433	0.37	ng	0.00
5) Phenol-d6	6.78	99	1612	0.13	ng	0.00
8) Nitrobenzene-d5	8.72	82	5621	0.48	ng	-0.01
11) 2-Methylnaphthalene-d10	11.95	152	11145	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.72	330	2879	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.83	172	16074	0.24	ng	-0.01
25) Fluoranthene-d10	19.01	212	33027	0.24	ng	0.00
29) Terphenyl-d14	19.62	244	29736	0.50	ng	0.00

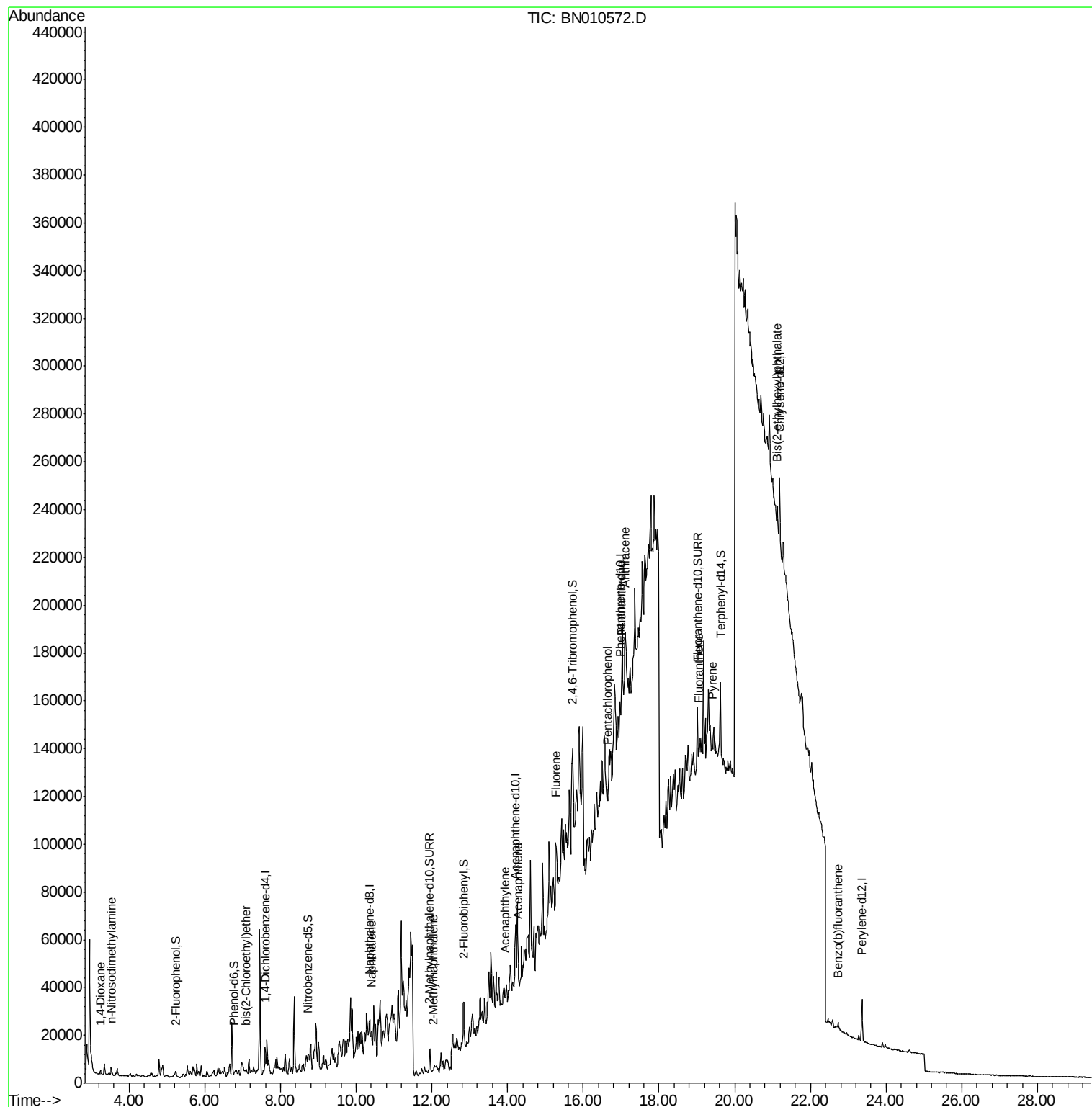
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.24	88	685	0.223	ng	# 1
3) n-Nitrosodimethylamine	3.53	42	402	0.201	ng	# 1
6) bis(2-Chloroethyl)ether	7.08	93	266	0.026	ng	# 51
9) Naphthalene	10.39	128	2901	0.069	ng	# 9
12) 2-Methylnaphthalene	12.02	142	636	0.021	ng	# 1
16) Acenaphthylene	13.93	152	5576	0.069	ng	# 61
17) Acenaphthene	14.28	154	5513	0.106	ng	# 56
18) Fluorene	15.27	166	4669	0.068	ng	# 19
22) Pentachlorophenol	16.63	266	323	0.028	ng	# 81
23) Phenanthrene	17.01	178	7221	0.058	ng	# 1
24) Anthracene	17.10	178	11696	0.103	ng	# 1
26) Fluoranthene	19.05	202	4012	0.026	ng	# 58
28) Pyrene	19.42	202	9733	0.112	ng	# 46
32) Bis(2-ethylhexyl)phthalate	21.12	149	6551	0.152	ng	# 86
35) Benzo(b)fluoranthene	22.72	252	1789	0.024	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.60 min Scan# 592

Delta R.T. 0.00 min

Lab File: BN010572.D

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Instrument :

BNA_N

ClientSampleId :

AOC22-MW03-20200415

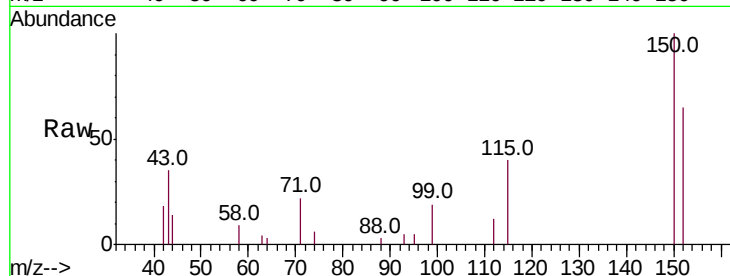
Tot Ion:152 Resp: 4181

Ion Ratio Lower Upper

152 100

150 153.5 121.8 182.6

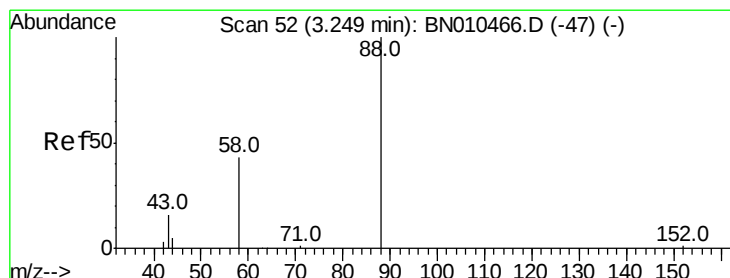
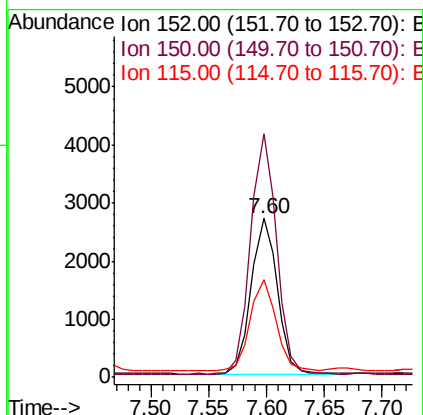
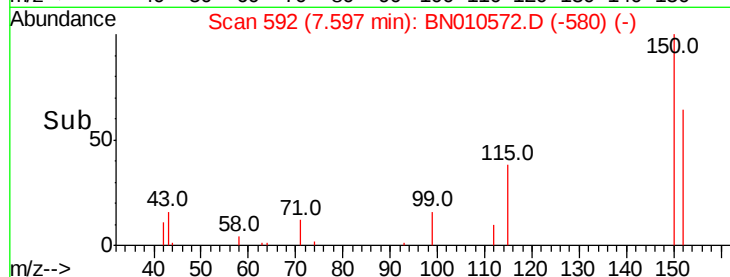
115 61.4 45.5 68.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.223 ng

RT: 3.24 min Scan# 51

Delta R.T. 0.00 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

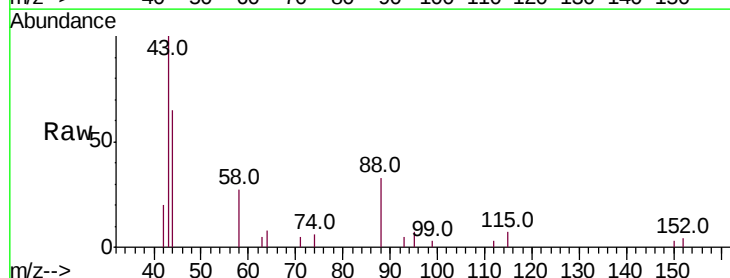
Tgt Ion: 88 Resp: 685

Ion Ratio Lower Upper

88 100

58 60.0 36.5 54.7#

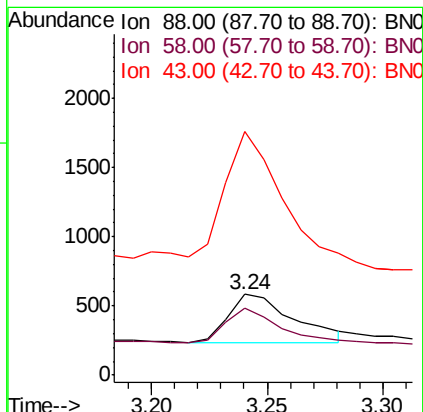
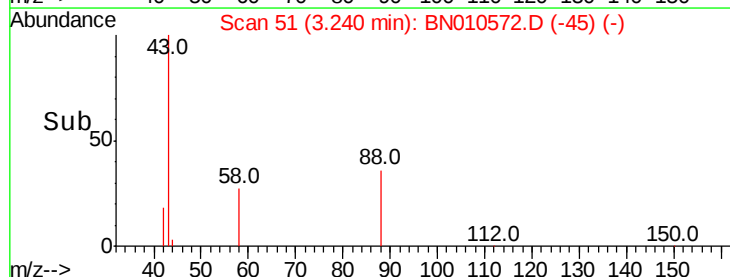
43 207.4 13.2 19.8#

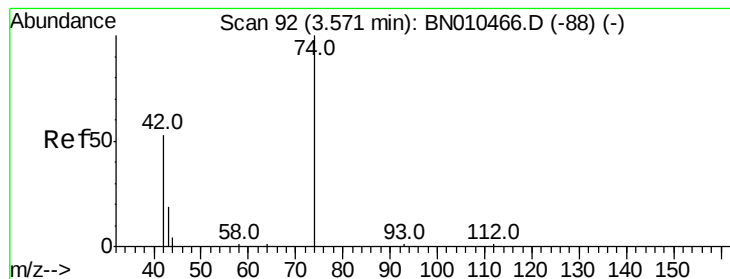


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.201 ng

RT: 3.53 min Scan# 87

Delta R.T. -0.03 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

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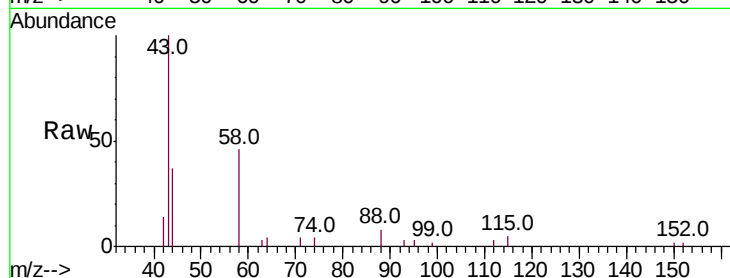
Tot Ion: 42 Resp: 402

Ion Ratio Lower Upper

42 100

74 0.0 162.2 243.4#

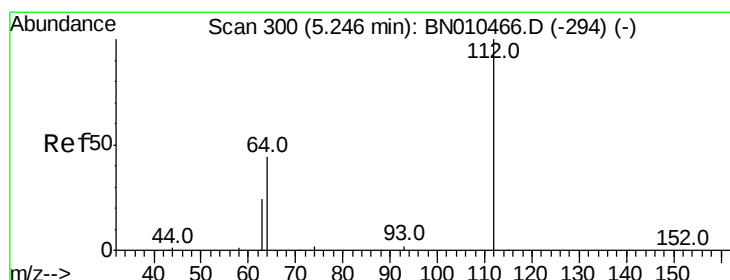
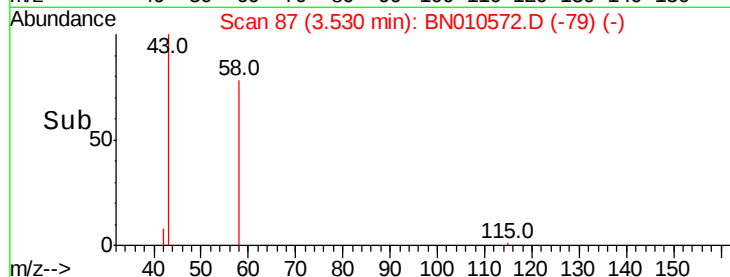
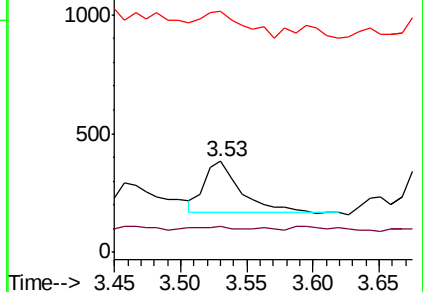
44 61.2 2.4 3.6#



Abundance Ion 42.00 (41.70 to 42.70): BN0

Ion 74.00 (73.70 to 74.70): BN0

Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.375 ng

RT: 5.24 min Scan# 299

Delta R.T. 0.00 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

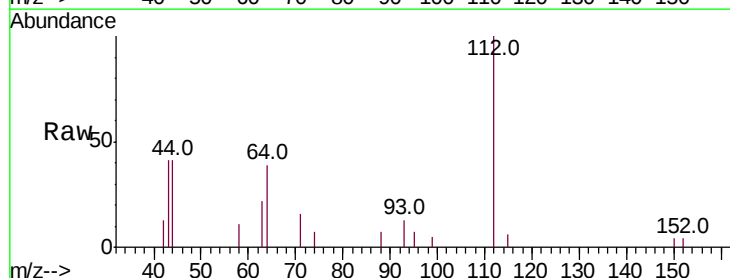
Tgt Ion: 112 Resp: 3433

Ion Ratio Lower Upper

112 100

64 25.5 35.8 53.8#

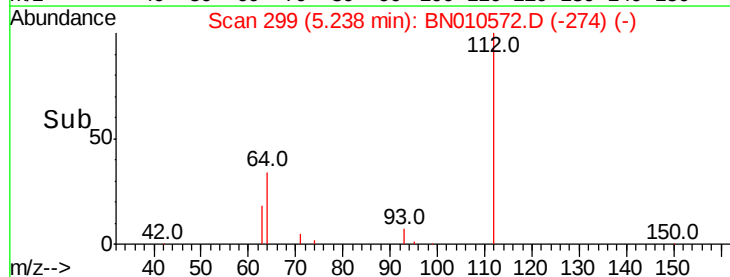
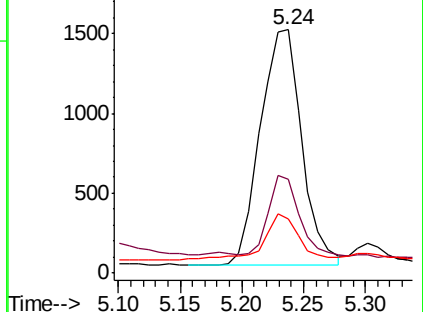
63 17.3 19.9 29.9#

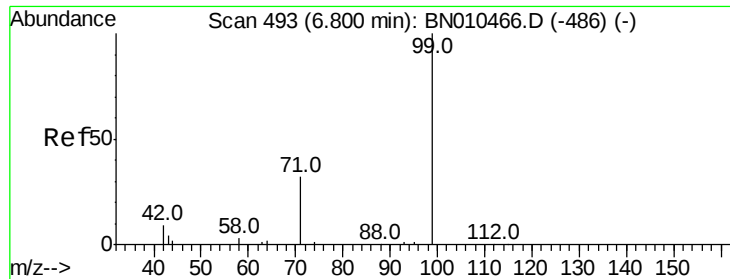


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.135 ng

RT: 6.78 min Scan# 491

Delta R.T. 0.00 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

Instrument :

BNA_N

ClientSampleId :

AOC22-MW03-20200415

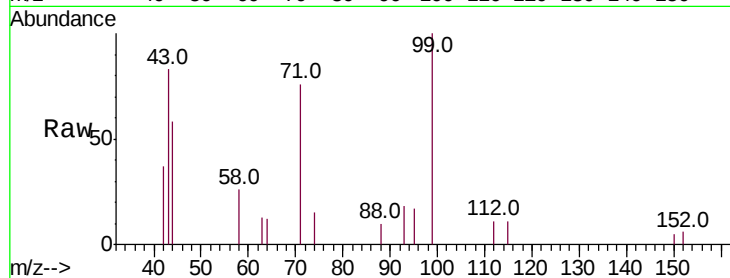
Tot Ion: 99 Resp: 1612

Ion Ratio Lower Upper

99 100

42 18.7 9.8 14.6#

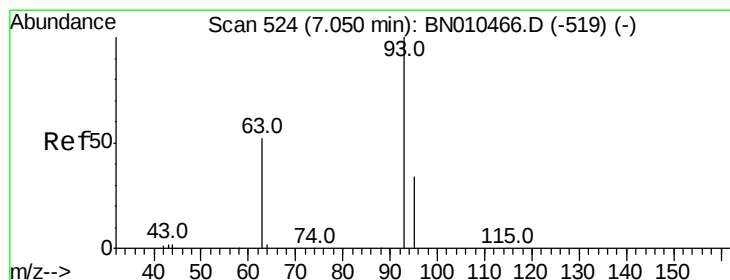
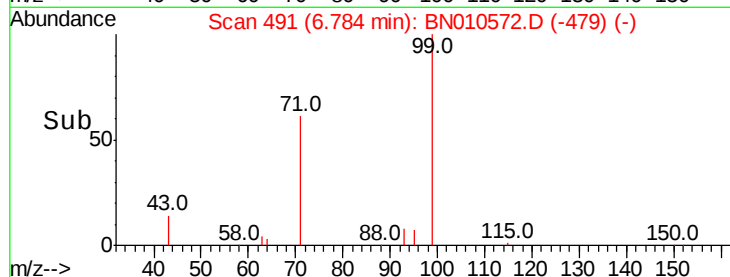
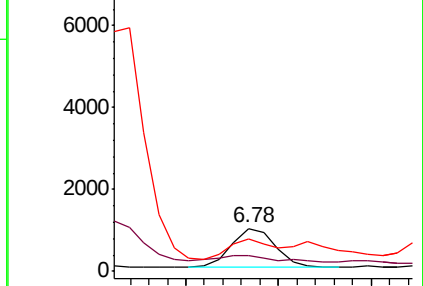
71 49.3 27.8 41.8#



Abundance Ion 99.00 (98.70 to 99.70): BN010466.D (-486) (-)

Ion 42.00 (41.70 to 42.70): BN010466.D (-486) (-)

Ion 71.00 (70.70 to 71.70): BN010466.D (-486) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.026 ng

RT: 7.08 min Scan# 528

Delta R.T. 0.05 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

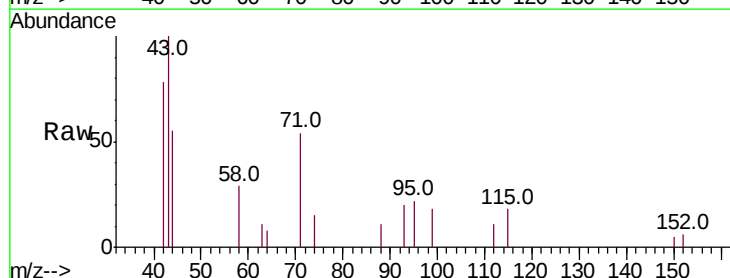
Tgt Ion: 93 Resp: 266

Ion Ratio Lower Upper

93 100

63 23.7 44.6 66.8#

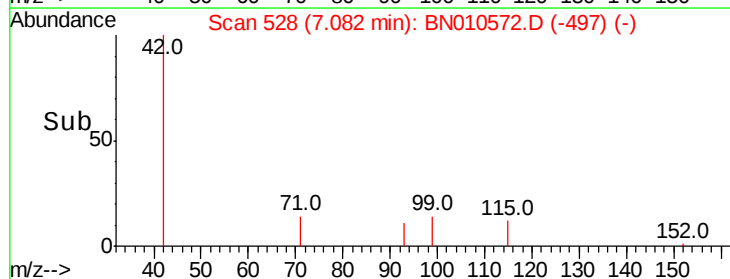
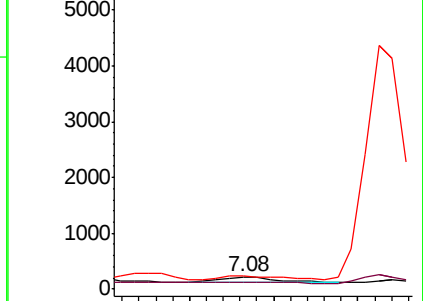
95 0.0 26.5 39.7#



Abundance Ion 93.00 (92.70 to 93.70): BN010466.D (-519) (-)

Ion 63.00 (62.70 to 63.70): BN010466.D (-519) (-)

Ion 95.00 (94.70 to 95.70): BN010466.D (-519) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.35 min Scan# 842

Delta R.T. 0.00 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

Instrument :

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Tot Ion:136 Resp: 16838

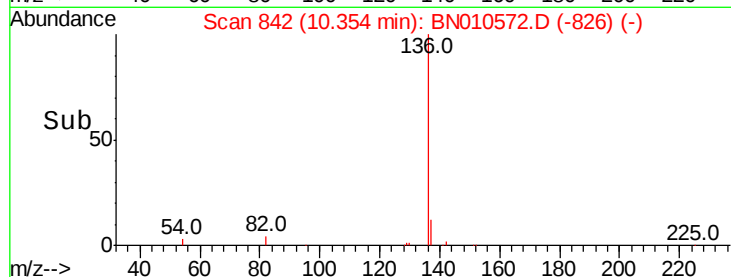
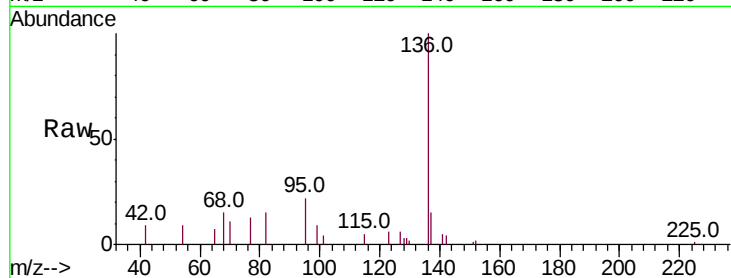
Ion Ratio Lower Upper

136 100

137 14.5 8.9 13.3#

54 8.8 2.6 4.0#

68 14.7 3.4 5.2#

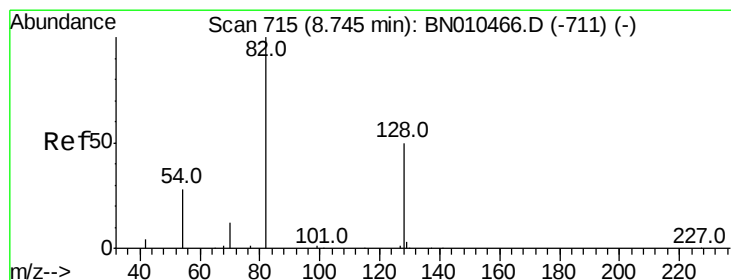
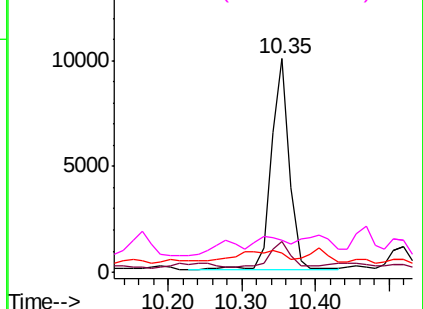


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.478 ng

RT: 8.72 min Scan# 713

Delta R.T. -0.01 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

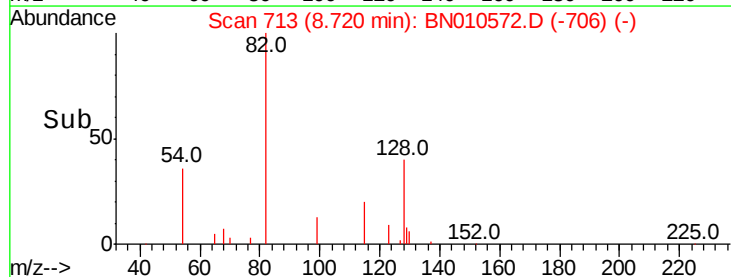
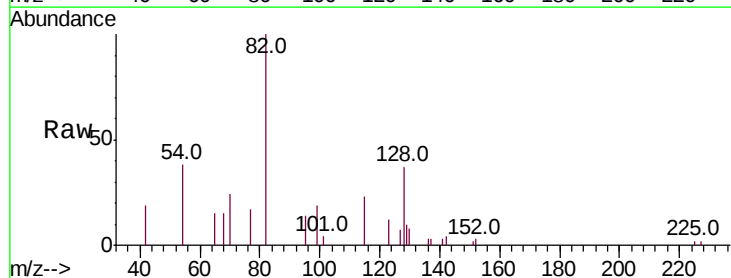
Tgt Ion: 82 Resp: 5621

Ion Ratio Lower Upper

82 100

128 37.3 41.3 61.9#

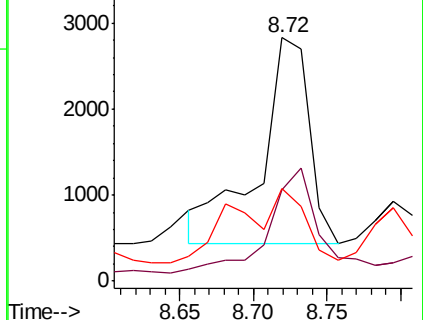
54 38.2 23.4 35.0#



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.069 ng

RT: 10.39 min Scan# 845

Delta R.T. -0.01 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

Instrument :

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ClientSampleId :

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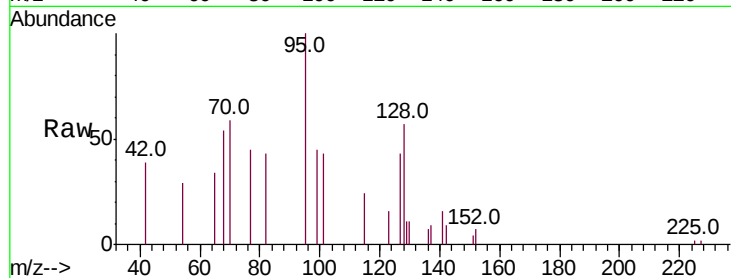
Tot Ion:128 Resp: 2901

Ion Ratio Lower Upper

128 100

129 18.7 9.3 13.9#

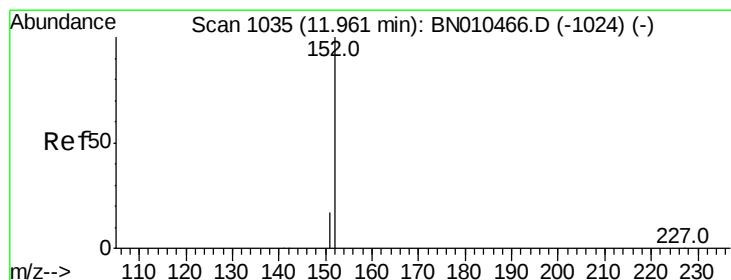
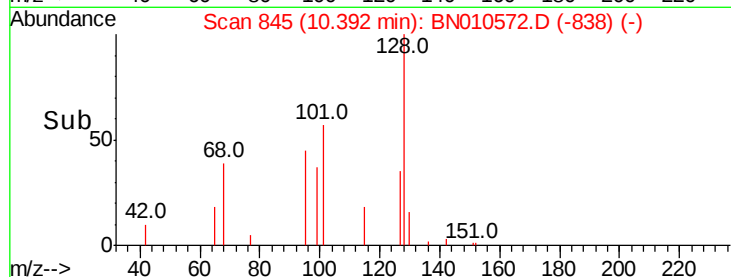
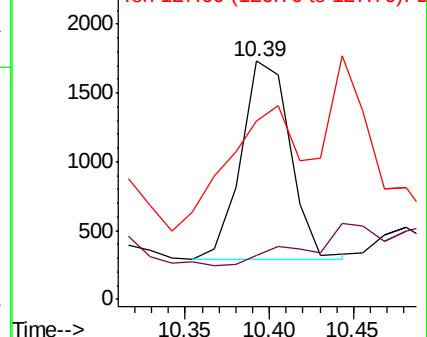
127 74.8 10.5 15.7#



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



#11

2-Methylnaphthalene-d10

Concen: 0.403 ng

RT: 11.95 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BN010572.D

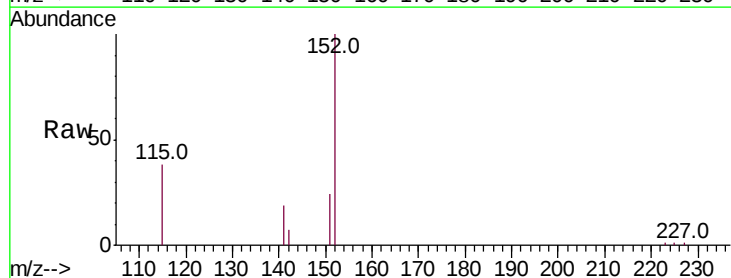
Acq: 21 Apr 2020 18:33

Tgt Ion:152 Resp: 11145

Ion Ratio Lower Upper

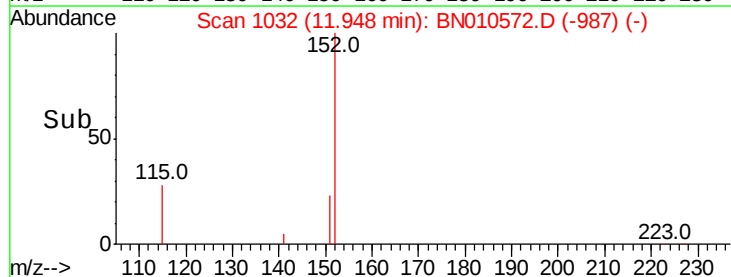
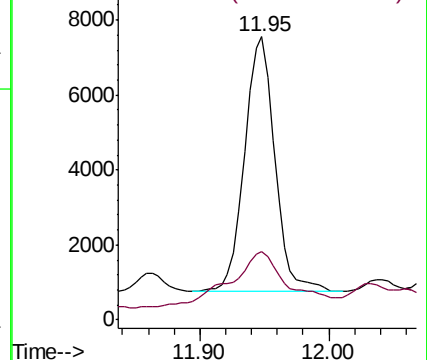
152 100

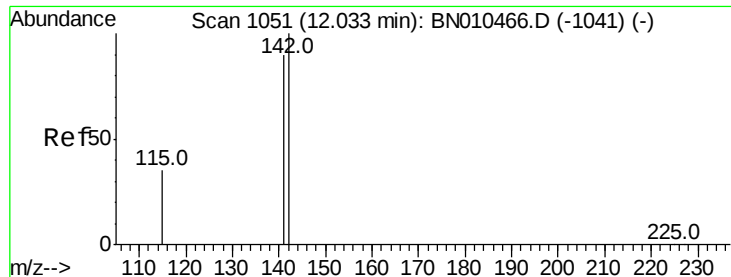
151 43.0 15.3 22.9#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

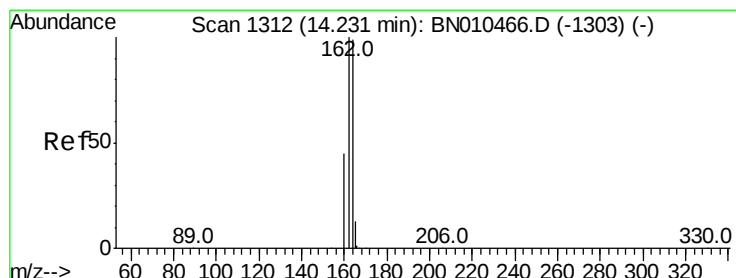
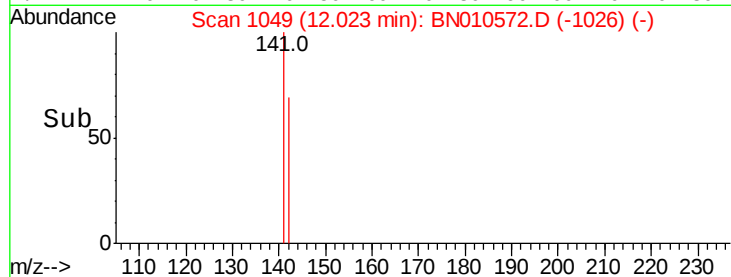
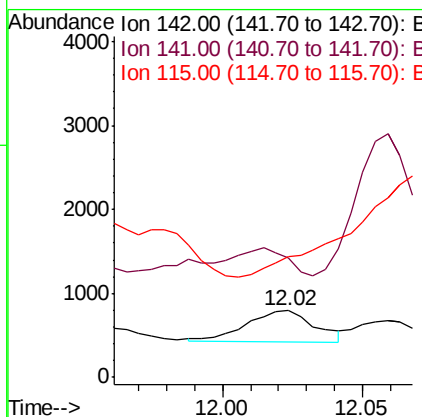
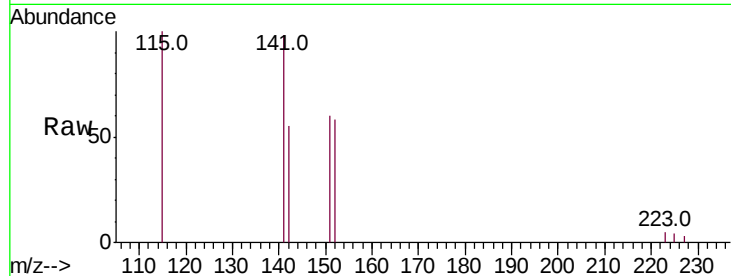




#12
2-Methylnaphthalene
Concen: 0.021 ng
RT: 12.02 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BN010572.D
Acq: 21 Apr 2020 18:33

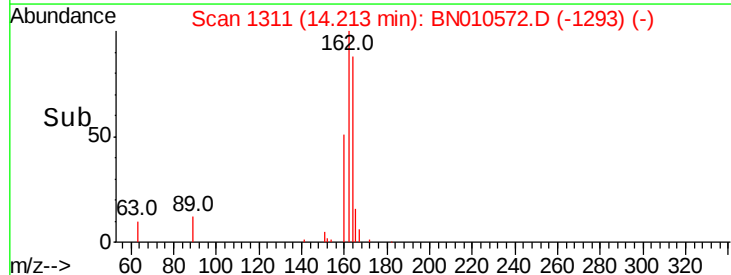
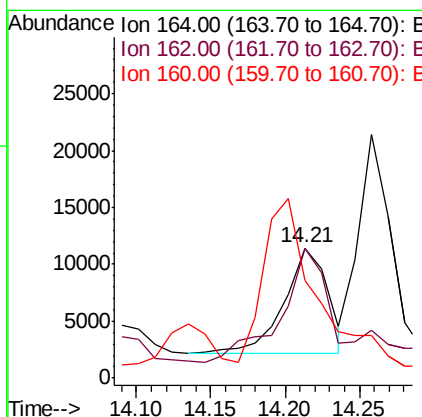
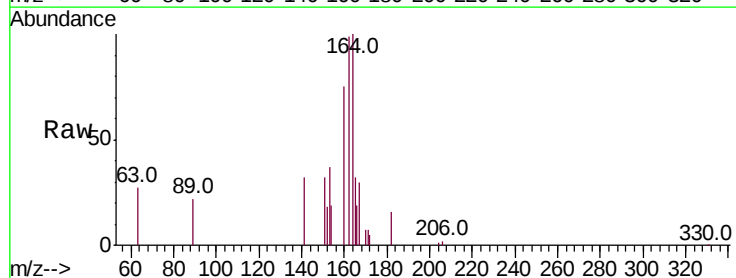
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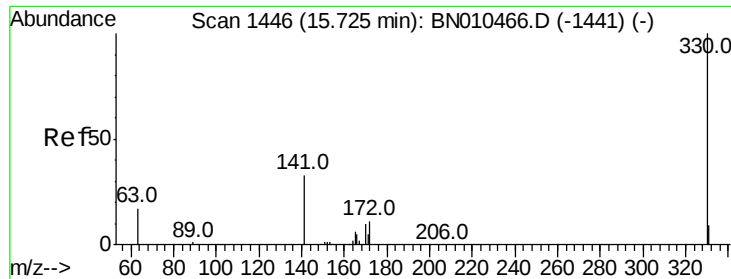
Tot Ion:142 Resp: 636
Ion Ratio Lower Upper
142 100
141 179.0 71.9 107.9#
115 182.7 28.8 43.2#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.21 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BN010572.D
Acq: 21 Apr 2020 18:33

Tgt Ion:164 Resp: 18753
Ion Ratio Lower Upper
164 100
162 99.5 80.6 121.0
160 74.5 36.5 54.7#

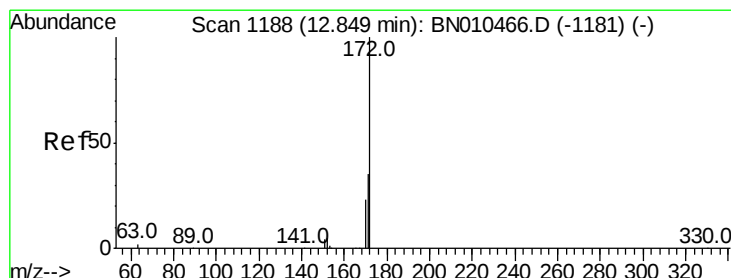
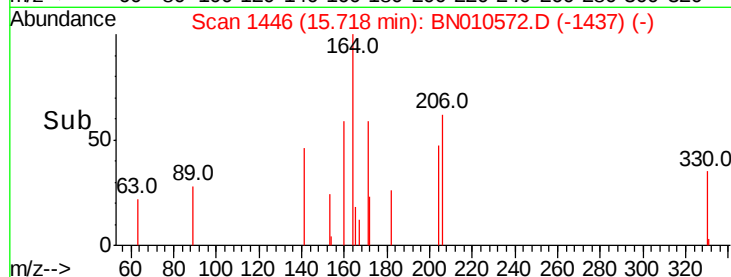
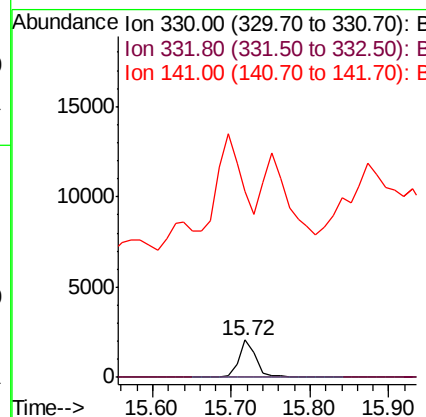
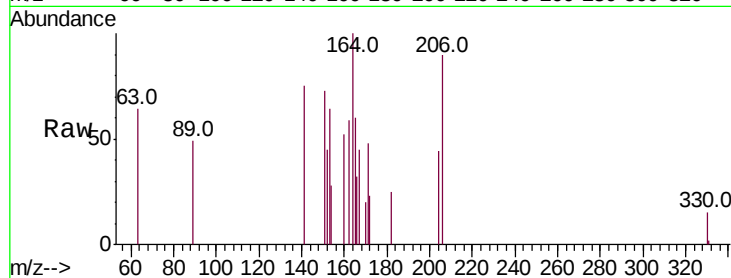




#14
 2,4,6-Tribromophenol
 Concen: 0.326 ng
 RT: 15.72 min Scan# 1446
 Delta R.T. 0.00 min
 Lab File: BN010572.D
 Acq: 21 Apr 2020 18:33

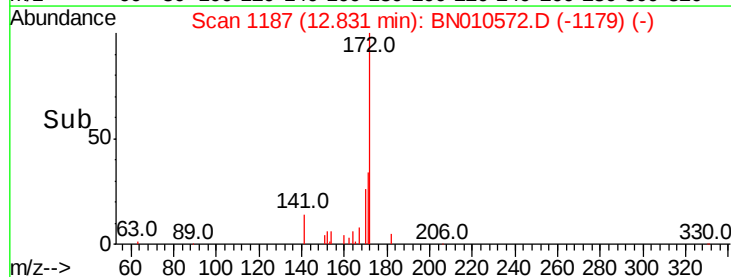
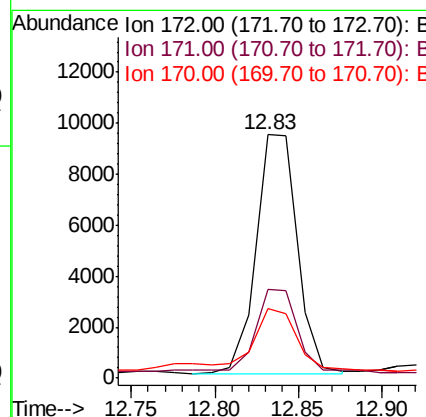
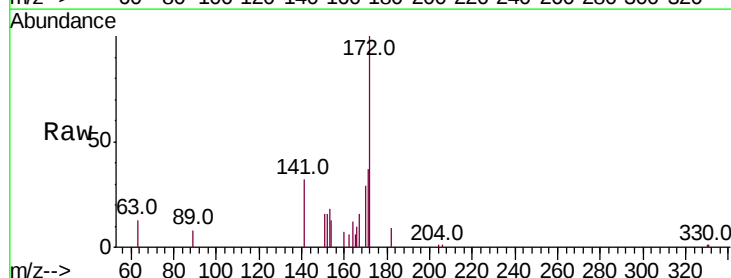
Instrument :
 BNA_N
 ClientSampleId :
 AOC22-MW03-20200415

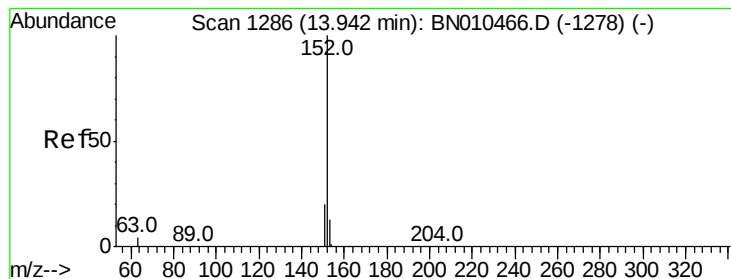
Tot Ion:330 Resp: 2879
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 0.0 28.1 42.1#



#15
 2-Fluorobiphenyl
 Concen: 0.236 ng
 RT: 12.83 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BN010572.D
 Acq: 21 Apr 2020 18:33

Tgt Ion:172 Resp: 16074
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.2 42.2
 170 28.7 18.4 27.6#





#16

Acenaphthylene

Concen: 0.069 ng

RT: 13.93 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

Instrument :

BNA_N

ClientSampleId :

AOC22-MW03-20200415

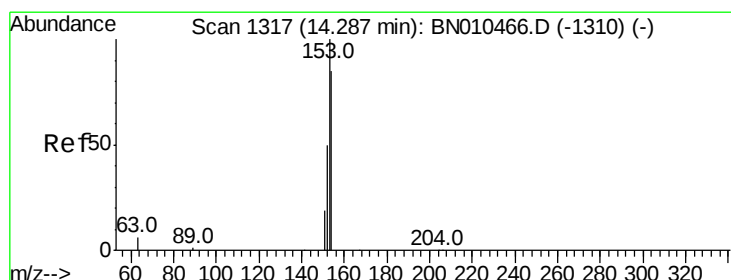
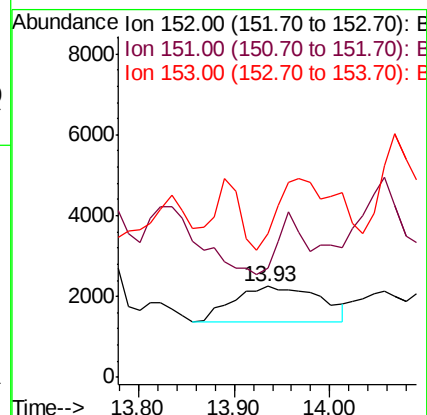
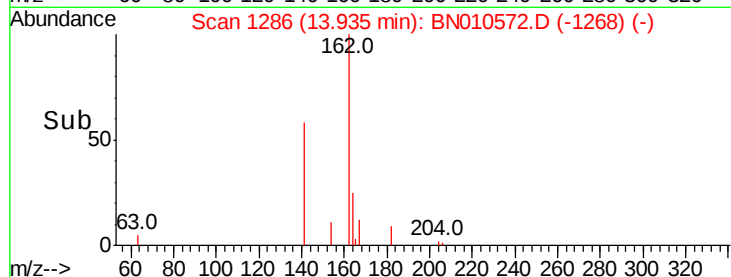
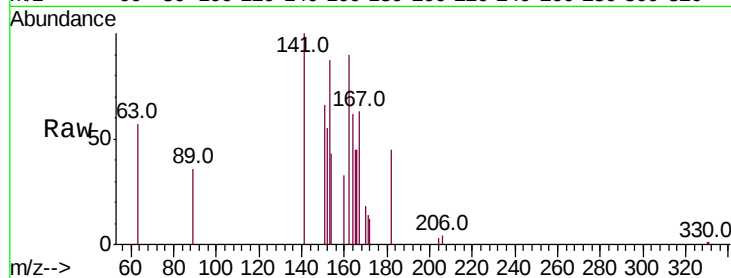
Tot Ion:152 Resp: 5576

Ion Ratio Lower Upper

152 100

151 0.0 15.7 23.5#

153 0.0 10.6 15.8#



#17

Acenaphthene

Concen: 0.106 ng

RT: 14.28 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

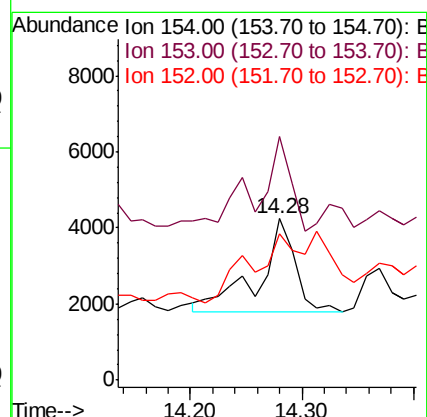
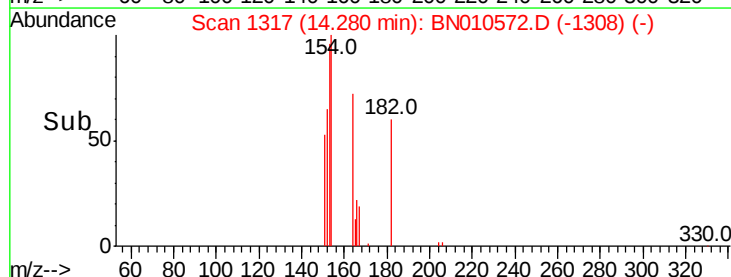
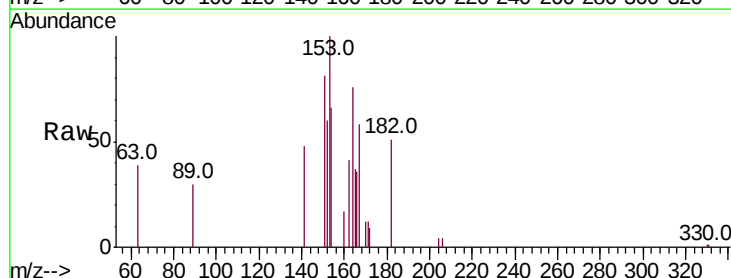
Tgt Ion:154 Resp: 5513

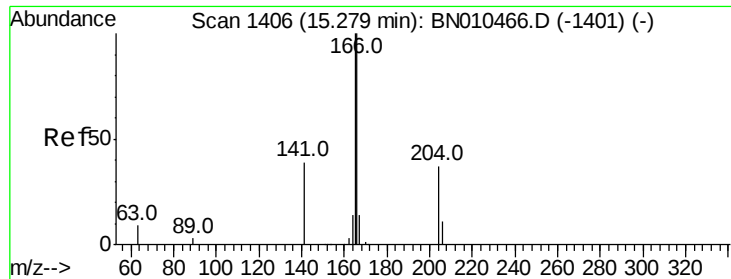
Ion Ratio Lower Upper

154 100

153 77.7 91.0 136.4#

152 104.7 44.6 67.0#

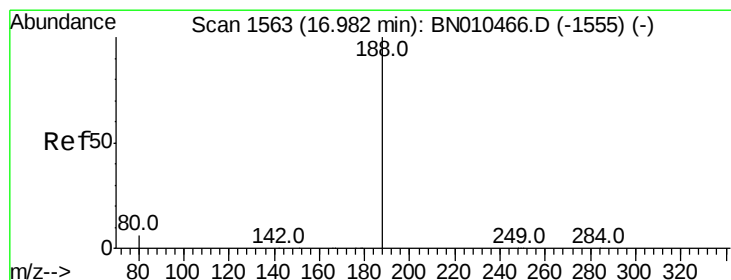
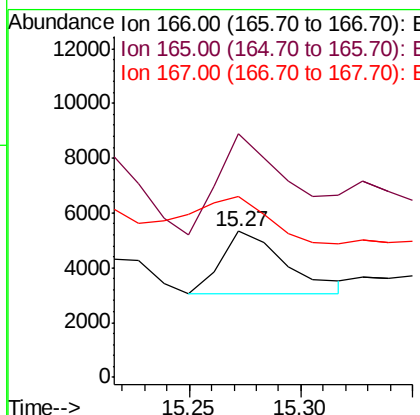
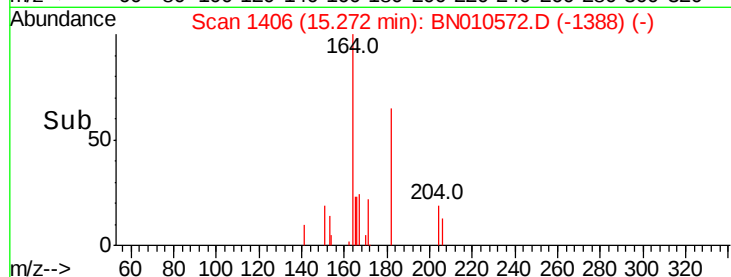
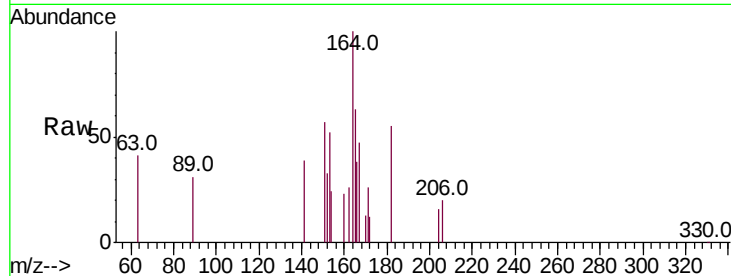




#18
Fluorene
 Concen: 0.068 ng
 RT: 15.27 min Scan# 1406
 Delta R.T. 0.00 min
 Lab File: BN010572.D
 Acq: 21 Apr 2020 18:33

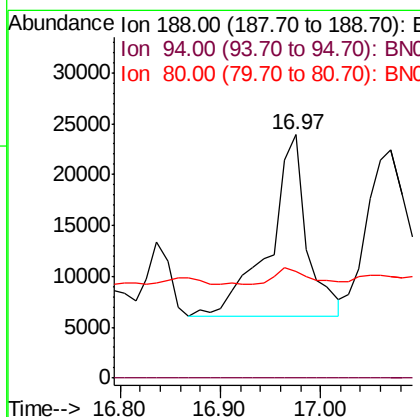
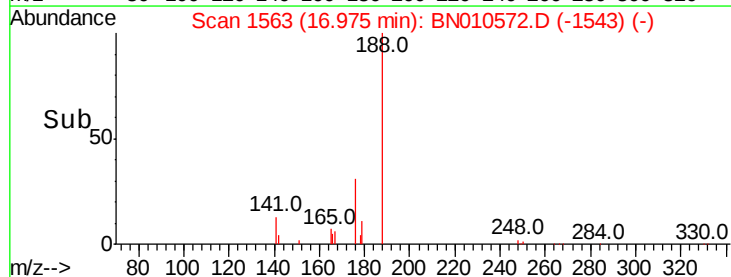
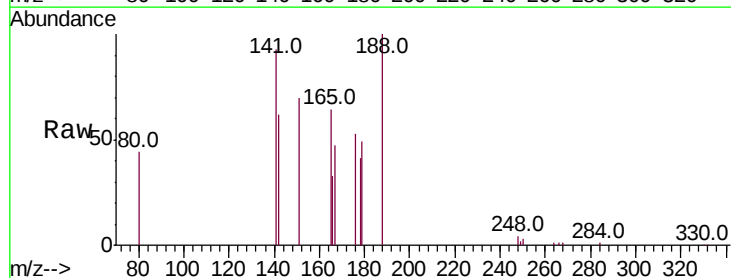
Instrument :
 BNA_N
 ClientSampleId :
 AOC22-MW03-20200415

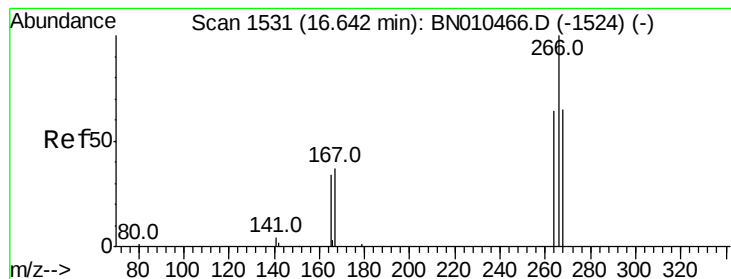
Tot Ion:166 Resp: 4669
 Ion Ratio Lower Upper
 166 100
 165 166.0 78.4 117.6#
 167 83.1 10.9 16.3#



#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.97 min Scan# 1563
 Delta R.T. 0.01 min
 Lab File: BN010572.D
 Acq: 21 Apr 2020 18:33

Tgt Ion:188 Resp: 45870
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 43.6 5.0 7.6#





#22

Pentachlorophenol

Concen: 0.028 ng

RT: 16.63 min Scan# 1531

Delta R.T. 0.00 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

Instrument :

BNA_N

ClientSampleId :

AOC22-MW03-20200415

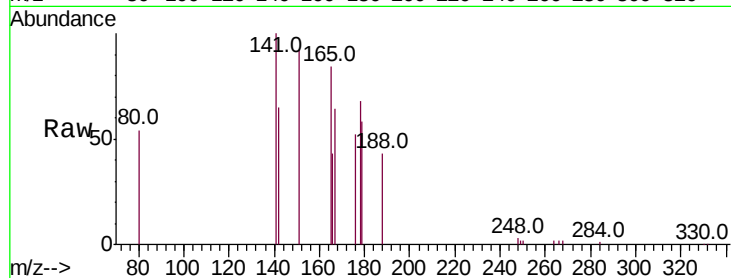
Tot Ion:266 Resp: 323

Ion Ratio Lower Upper

266 100

264 77.8 51.8 77.6#

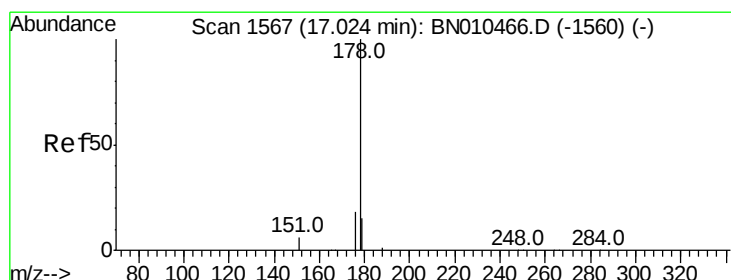
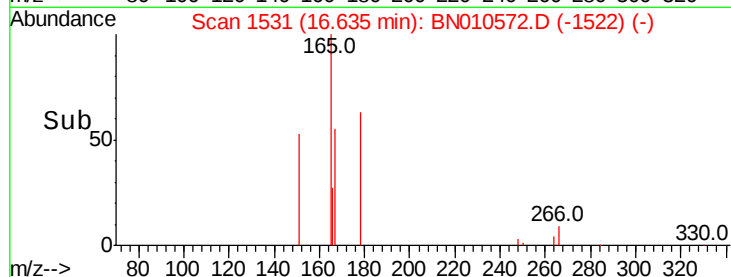
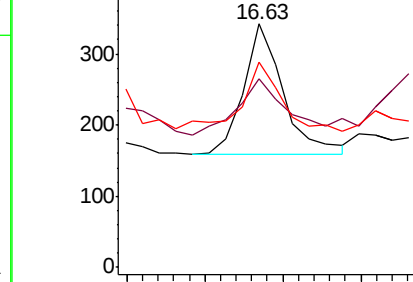
268 84.5 53.7 80.5#



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#23

Phenanthrene

Concen: 0.058 ng

RT: 17.01 min Scan# 1566

Delta R.T. 0.00 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

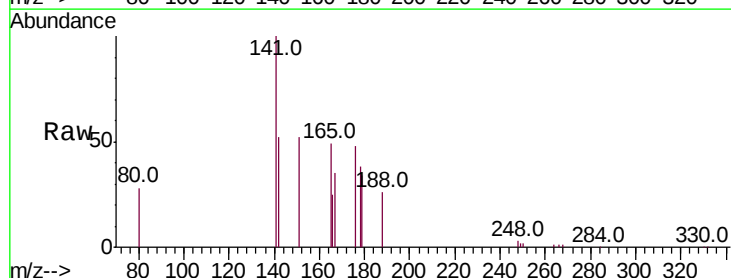
Tgt Ion:178 Resp: 7221

Ion Ratio Lower Upper

178 100

176 306.5 15.0 22.4#

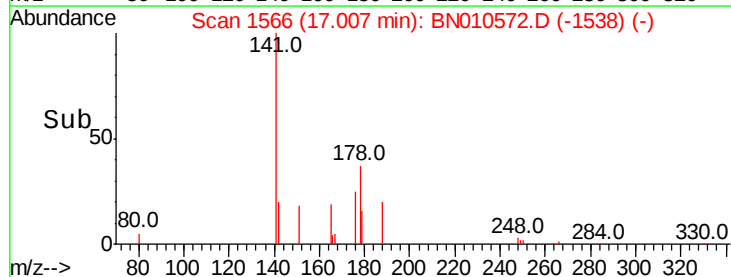
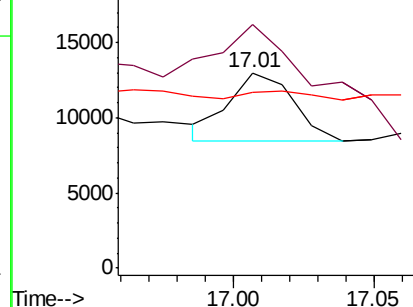
179 0.0 12.6 18.8#

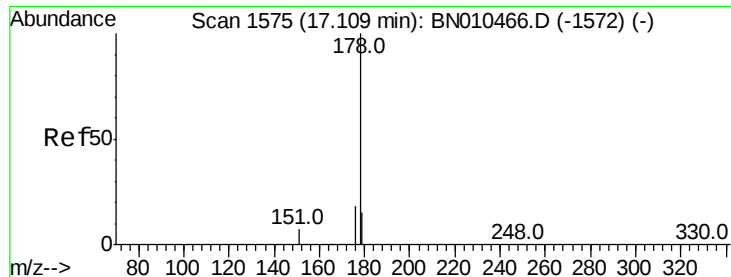


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.103 ng

RT: 17.10 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

Instrument :

BNA_N

ClientSampleId :

AOC22-MW03-20200415

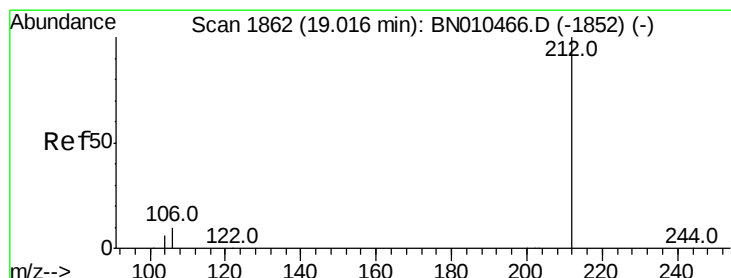
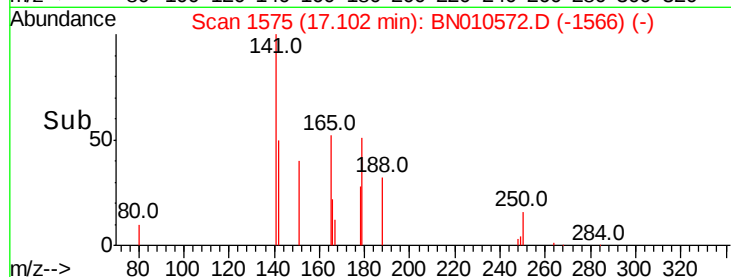
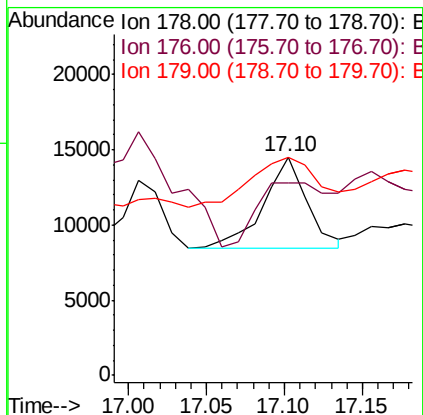
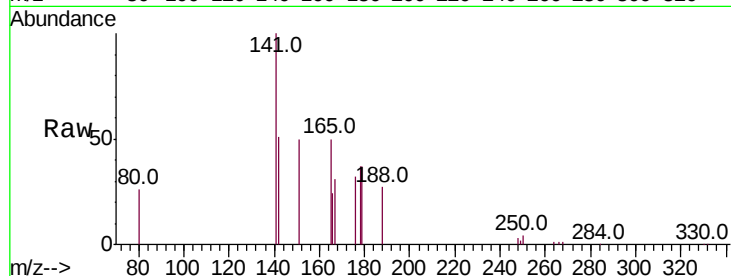
Tot Ion:178 Resp: 11696

Ion Ratio Lower Upper

178 100

176 103.7 14.6 21.8#

179 84.6 12.2 18.2#



#25

Fluoranthene-d10

Concen: 0.237 ng

RT: 19.01 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

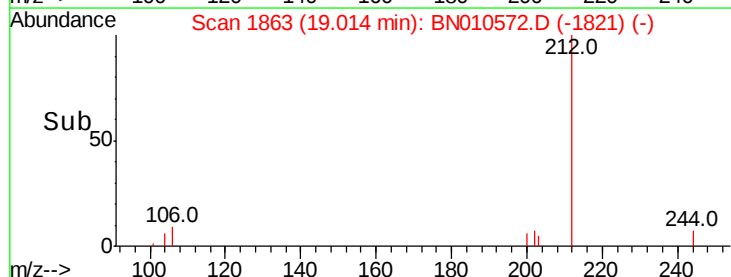
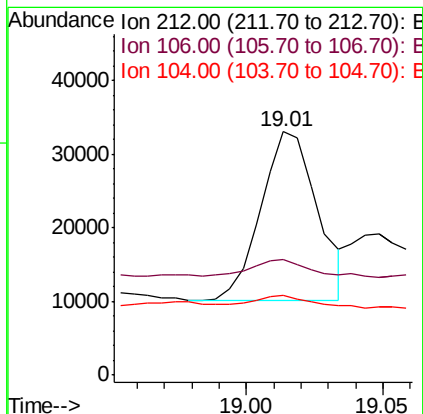
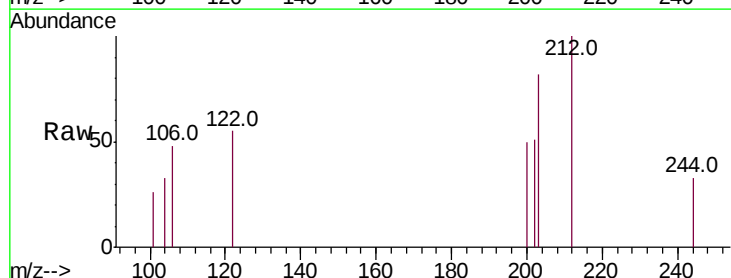
Tgt Ion:212 Resp: 33027

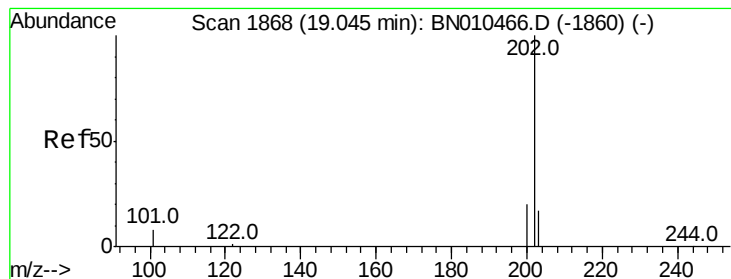
Ion Ratio Lower Upper

212 100

106 11.8 7.8 11.6#

104 8.4 4.5 6.7#





#26

Fluoranthene

Concen: 0.026 ng

RT: 19.05 min Scan# 1870

Delta R.T. 0.01 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

Instrument :

BNA_N

ClientSampleId :

AOC22-MW03-20200415

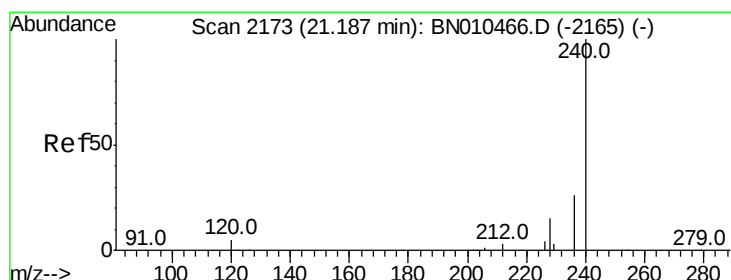
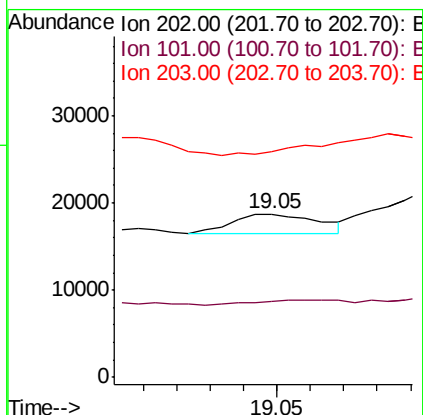
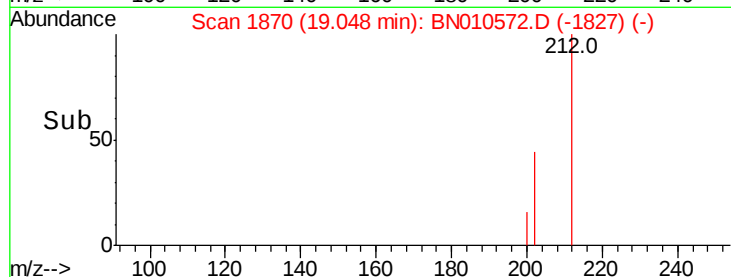
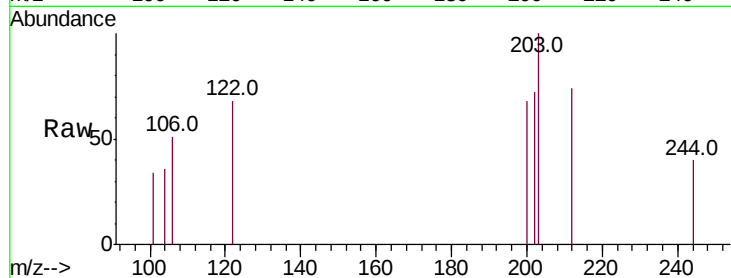
Tot Ion:202 Resp: 4012

Ion Ratio Lower Upper

202 100

101 25.5 6.9 10.3#

203 0.0 13.9 20.9#



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.19 min Scan# 2174

Delta R.T. 0.01 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

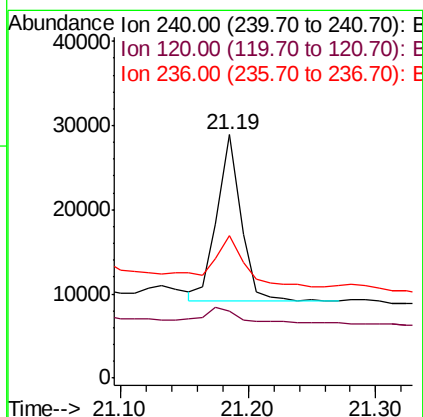
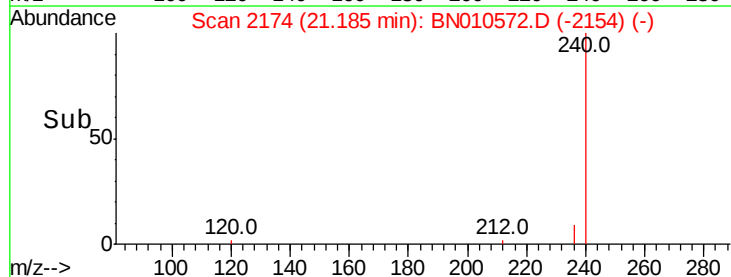
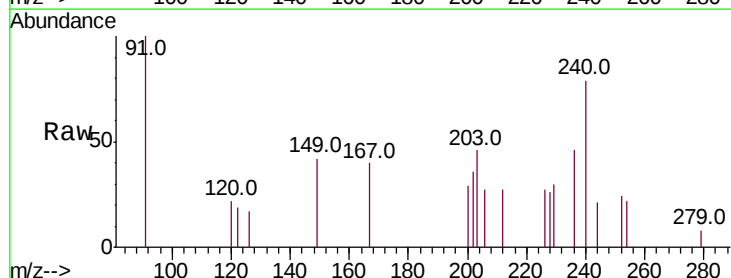
Tgt Ion:240 Resp: 25754

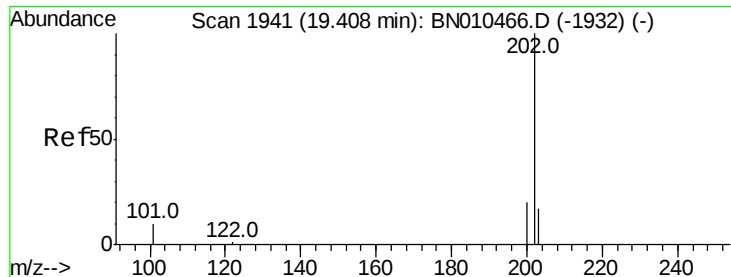
Ion Ratio Lower Upper

240 100

120 27.6 4.8 7.2#

236 58.5 21.4 32.0#

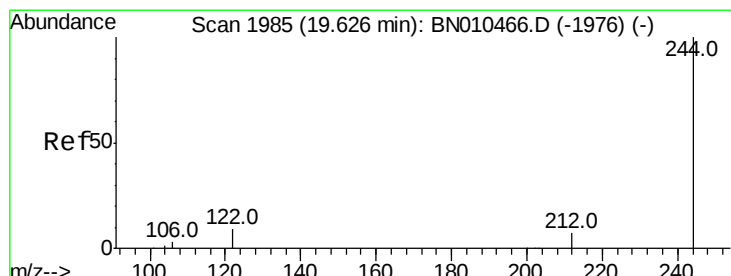
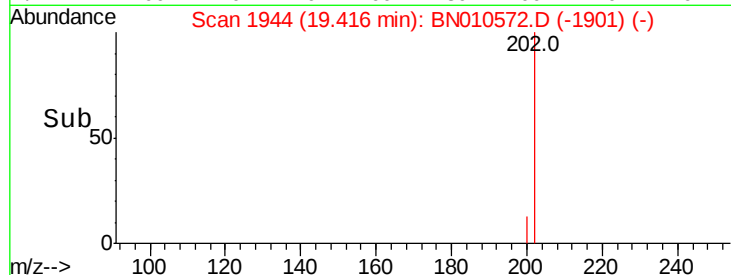
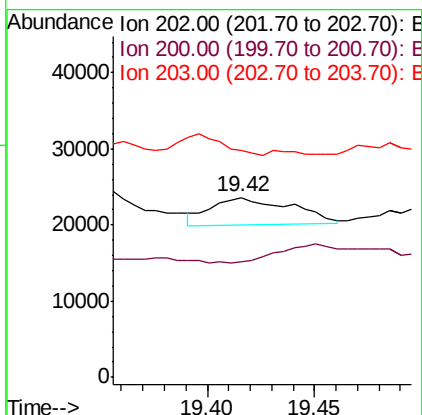
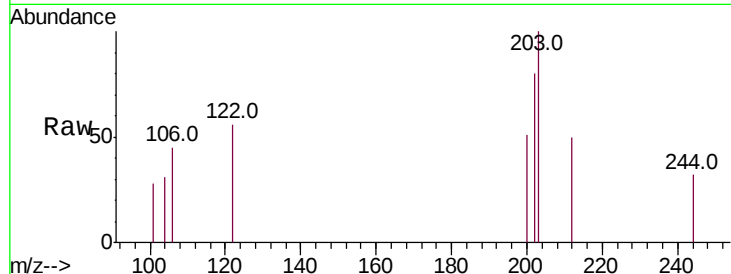




#28
Pvrene
Concen: 0.112 ng
RT: 19.42 min Scan# 1944
Delta R.T. 0.01 min
Lab File: BN010572.D
Acq: 21 Apr 2020 18:33

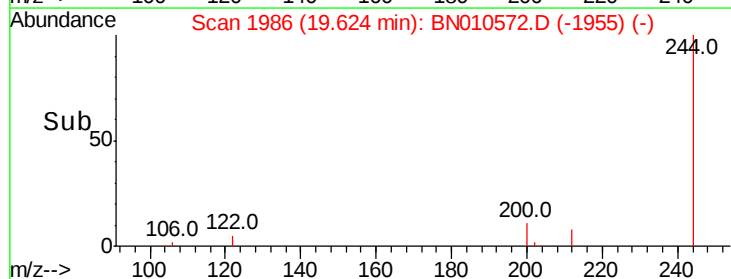
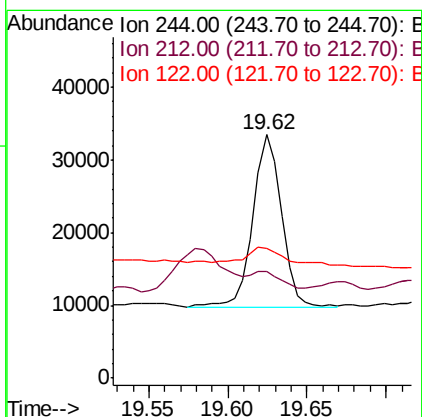
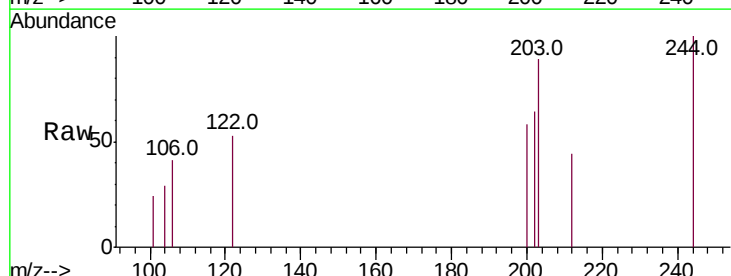
Instrument :
BNA_N
ClientSampleId :
AOC22-MW03-20200415

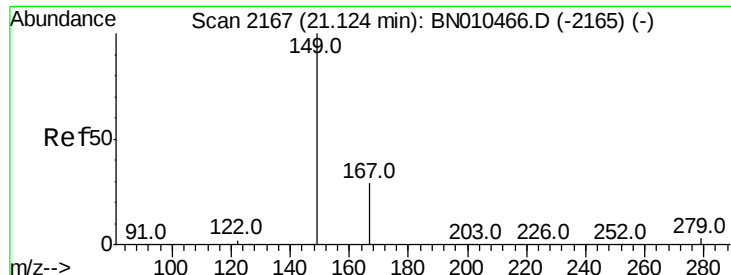
Tot Ion:202 Resp: 9733
Ion Ratio Lower Upper
202 100
200 0.0 16.3 24.5#
203 46.5 14.0 21.0#



#29
Terphenyl-d14
Concen: 0.504 ng
RT: 19.62 min Scan# 1986
Delta R.T. 0.00 min
Lab File: BN010572.D
Acq: 21 Apr 2020 18:33

Tgt Ion:244 Resp: 29736
Ion Ratio Lower Upper
244 100
212 44.1 6.2 9.4#
122 53.2 7.8 11.8#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.152 ng

RT: 21.12 min Scan# 2168

Delta R.T. 0.01 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

Instrument :

BNA_N

ClientSampleId :

AOC22-MW03-20200415

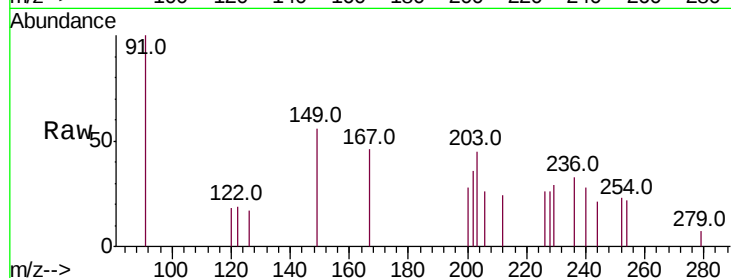
Tot Ion:149 Resp: 6551

Ion Ratio Lower Upper

149 100

167 37.1 23.4 35.0#

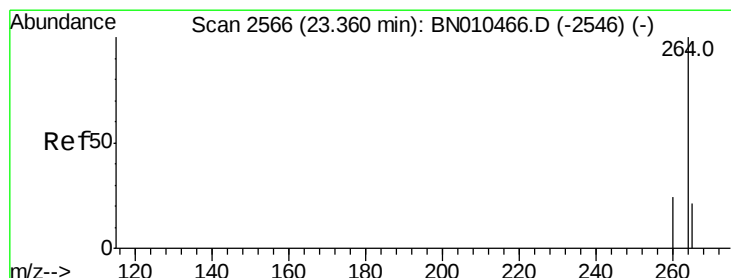
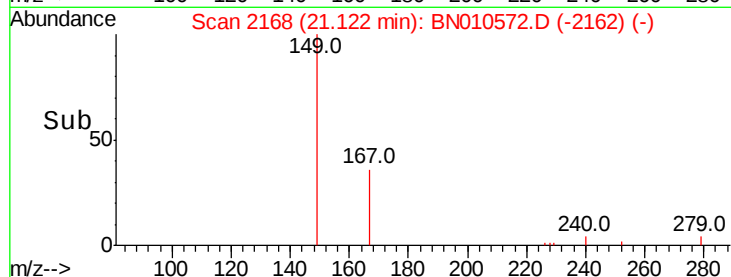
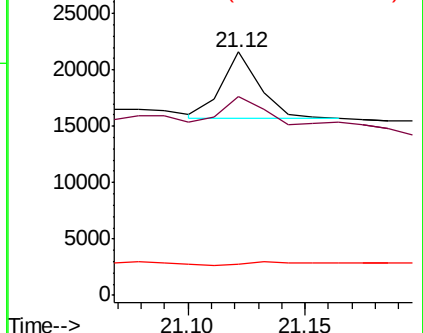
279 8.7 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.36 min Scan# 2568

Delta R.T. 0.01 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

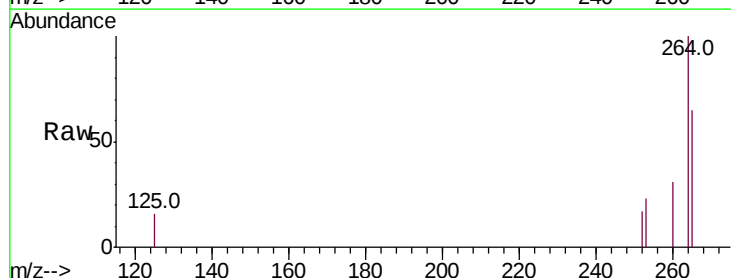
Tgt Ion:264 Resp: 22188

Ion Ratio Lower Upper

264 100

260 31.5 19.8 29.8#

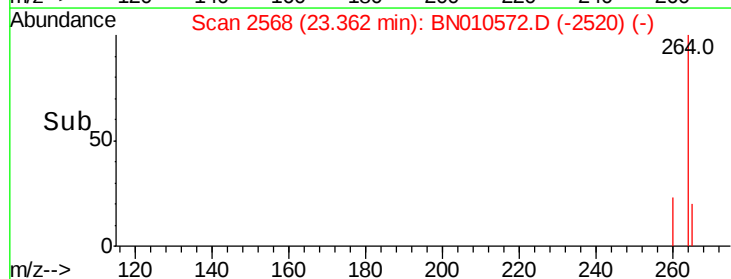
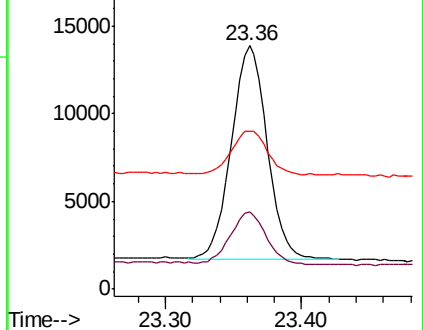
265 65.0 42.3 63.5#

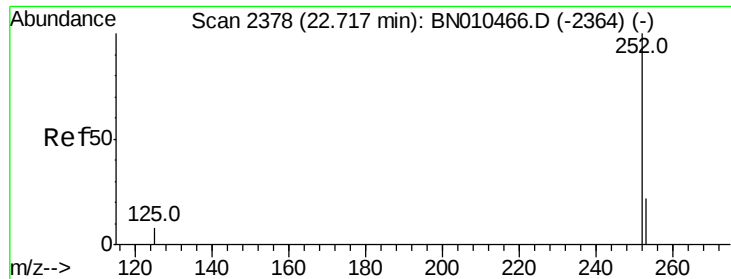


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.024 ng

RT: 22.72 min Scan# 2381

Delta R.T. 0.02 min

Lab File: BN010572.D

Acq: 21 Apr 2020 18:33

Instrument :

BNA_N

ClientSampleId :

AOC22-MW03-20200415

Tot Ion:252 Resp: 1789

Ion Ratio Lower Upper

252 100

253 125.9 20.2 30.4#

125 93.8 9.2 13.8#

