

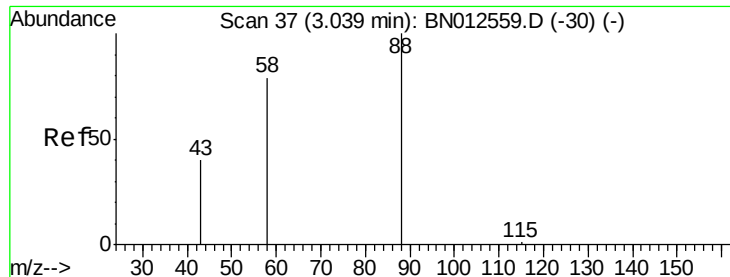
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111220\
 Data File : BN012566.D
 Acq On : 12 Nov 2020 16:15
 Operator : CG/JU
 Sample : L4485-11
 Misc : WATER MDL04
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 MDL-WATER-04

Quant Time: Nov 12 16:51:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN111020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 12 12:44:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	469	0.40	ng/ul	0.00
4) Naphthalene-d8	10.24	136	1802	0.40	ng/ul	0.01
9) Acenaphthene-d10	14.12	164	1037	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.87	188	1982	0.40	ng/ul	0.00
19) Chrysene-d12	21.08	240	1822	0.40	ng/ul	0.00
23) Perylene-d12	23.19	264	1955	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.00	96	542	0.85	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.85	152	893	0.35	ng/ul	0.02
17) Fluoranthene-d10	18.91	212	1943	0.39	ng/ul	0.00
Target Compounds					Ovalue	
2) 1,4-Dioxane	3.04	88	66	0.103	ng/ul#	77
5) Naphthalene	10.29	128	397	0.078	ng/ul#	42
7) 2-Methylnaphthalene	11.92	142	239	0.073	ng/ul	93
8) 1-Methylnaphthalene	12.15	142	244	0.078	ng/ul	99
10) Acenaphthylene	13.84	152	340	0.074	ng/ul#	63
11) Acenaphthene	14.19	153	303	0.077	ng/ul	94
12) Fluorene	15.19	166	318	0.072	ng/ul#	91
14) Pentachlorophenol	16.54	266	49	0.090	ng/ul	89
15) Phenanthrene	16.92	178	494	0.075	ng/ul#	62
16) Anthracene	17.02	178	354	0.066	ng/ul#	56
18) Fluoranthene	18.94	202	675	0.093	ng/ul#	72
20) Pyrene	19.31	202	728	0.085	ng/ul#	80
21) Benzo(a)anthracene	21.07	228	530	0.080	ng/ul#	84
22) Chrysene	21.12	228	752	0.094	ng/ul#	89
24) Benzo(b)fluoranthene	22.57	252	684	0.082	ng/ul#	36
25) Benzo(k)fluoranthene	22.61	252	895	0.093	ng/ul#	38
26) Benzo(a)pyrene	23.10	252	757	0.096	ng/ul#	13
27) Indeno(1,2,3-cd)pyrene	25.29	276	835	0.081	ng/ul#	81
28) Dibenzo(a,h)anthracene	25.31	278	641	0.077	ng/ul#	24
29) Benzo(a,h,i)perylene	25.92	276	790	0.083	ng/ul#	69

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



#2

1,4-Dioxane

Concen: 0.103 ng/ul

RT: 3.04 min Scan# 38

Delta R.T. 0.00 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-04

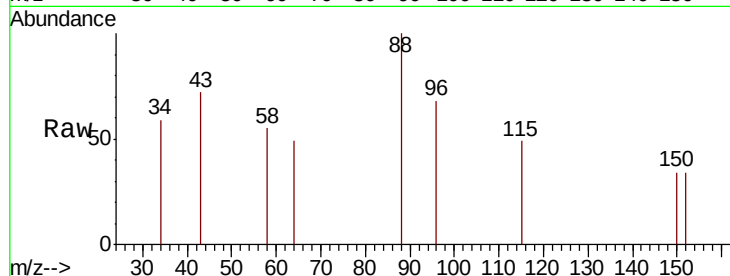
Tot Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 72.3 42.7 64.1#

58 54.7 57.3 85.9#

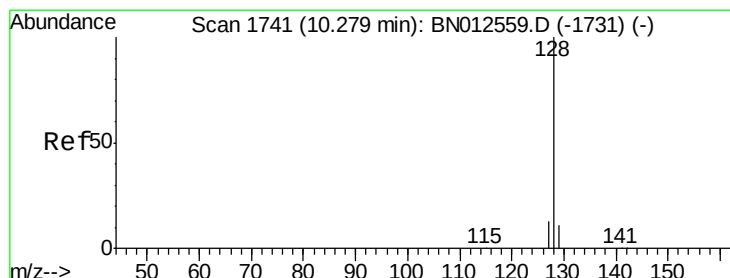
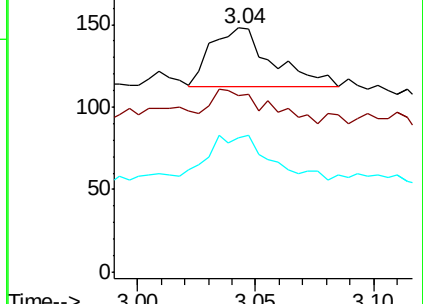
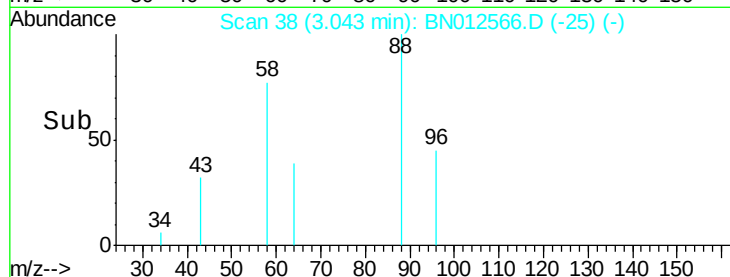


Abundance Ion 88.00 (87.70 to 88.70): BN012559.D (-30) (-)

Ion 43.00 (42.70 to 43.70): BN012559.D (-30) (-)

Ion 58.00 (57.70 to 58.70): BN012559.D (-30) (-)

Time-->



#5

Naphthalene

Concen: 0.078 ng/ul

RT: 10.29 min Scan# 1743

Delta R.T. 0.01 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

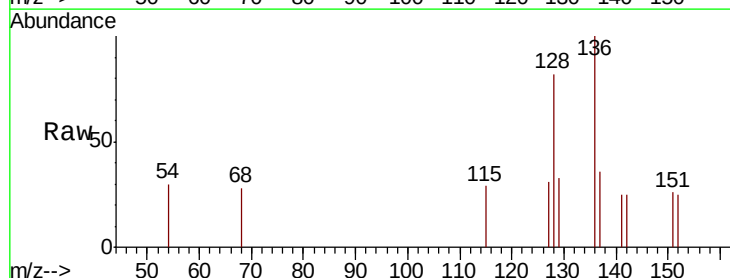
Tgt Ion: 128 Resp: 397

Ion Ratio Lower Upper

128 100

129 39.9 11.1 16.7#

127 37.9 12.6 18.8#

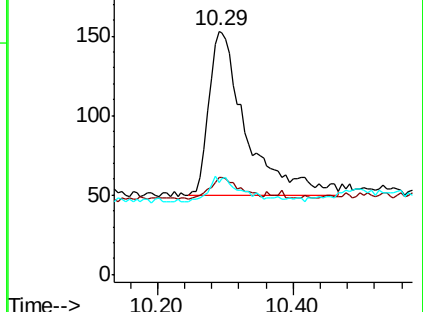
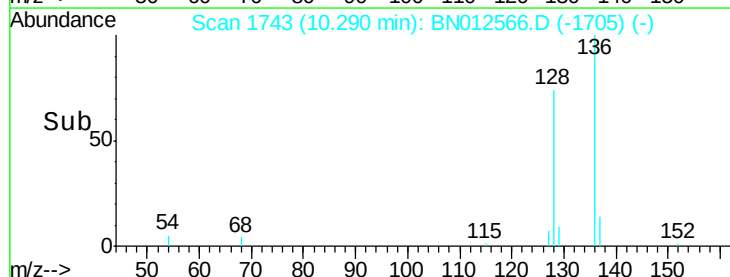


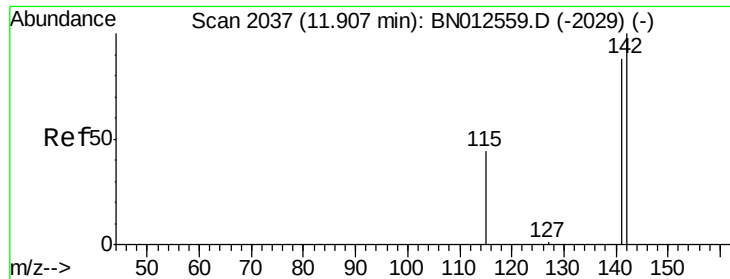
Abundance Ion 128.00 (127.70 to 128.70): BN012559.D (-1731) (-)

Ion 129.00 (128.70 to 129.70): BN012559.D (-1731) (-)

Ion 127.00 (126.70 to 127.70): BN012559.D (-1731) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.073 ng/ul

RT: 11.92 min Scan# 2040

Delta R.T. 0.02 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

Instrument :

BNA_N

ClientSampled :

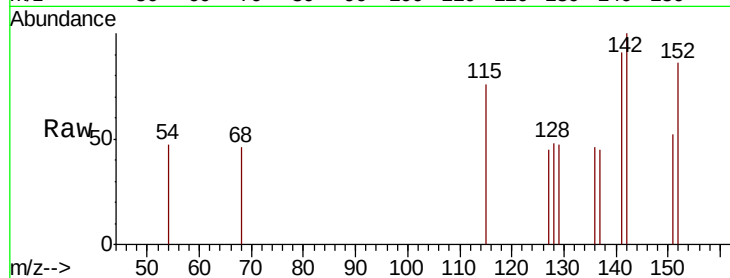
MDL-WATER-04

Tot Ion:142 Resp: 239

Ion Ratio Lower Upper

142 100

141 96.7 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

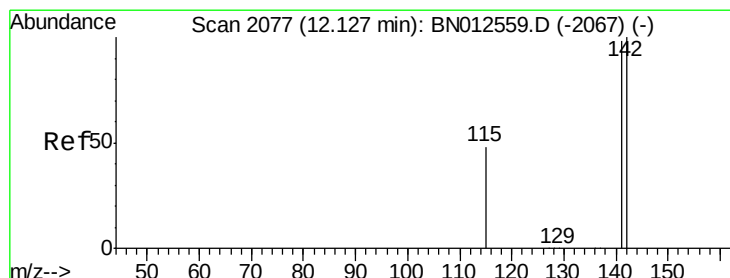
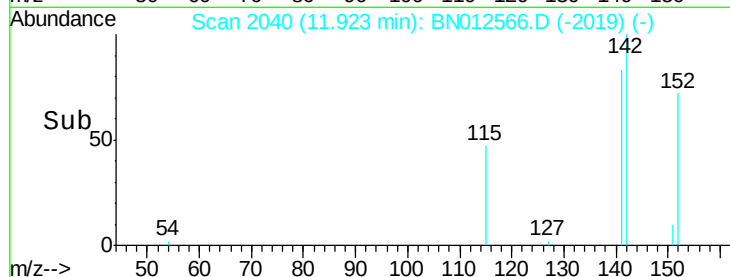
150

100

50

0

Time-->



#8

1-Methylnaphthalene

Concen: 0.078 ng/ul

RT: 12.15 min Scan# 2081

Delta R.T. 0.02 min

Lab File: BN012566.D

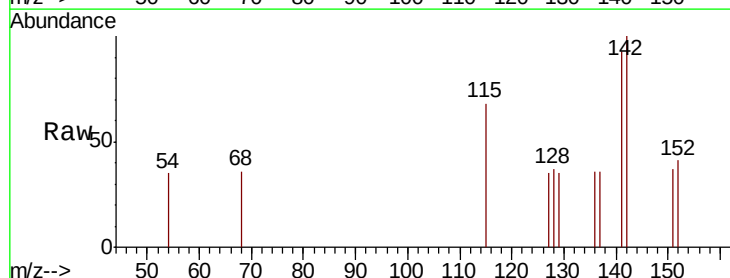
Acq: 12 Nov 2020 16:15

Tgt Ion:142 Resp: 244

Ion Ratio Lower Upper

142 100

141 95.1 75.3 112.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

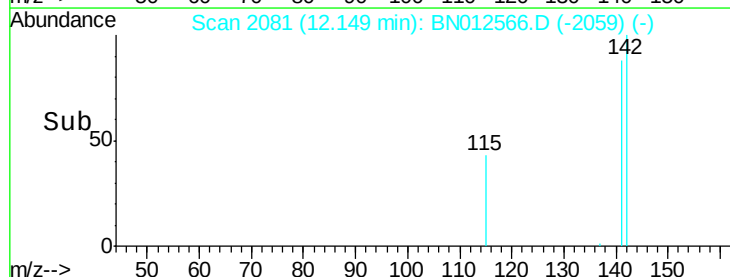
150

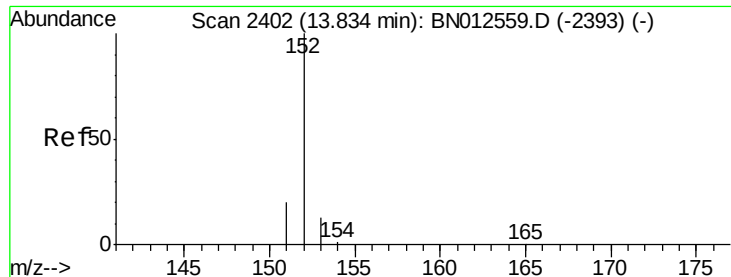
100

50

0

Time-->





#10

Acenaphthylene

Concen: 0.074 ng/ul

RT: 13.84 min Scan# 2403

Delta R.T. 0.00 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-04

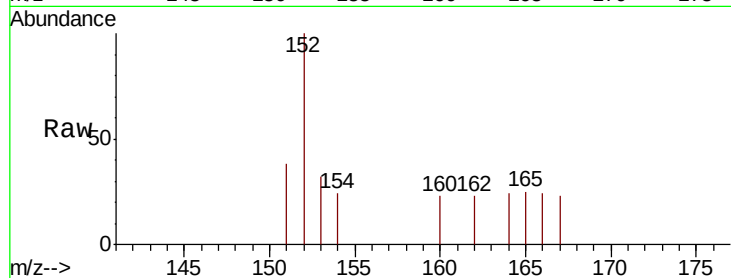
Tot Ion:152 Resp: 340

Ion Ratio Lower Upper

152 100

151 37.6 17.0 25.4#

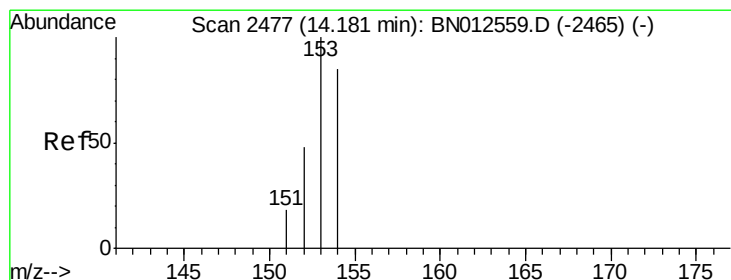
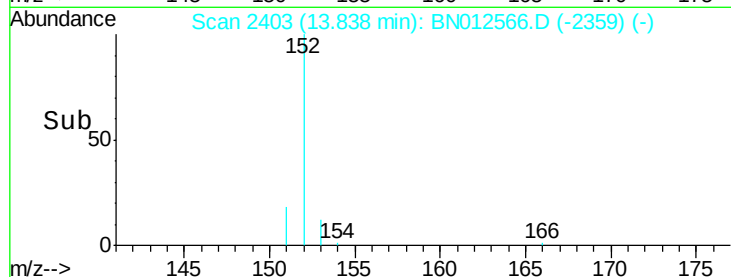
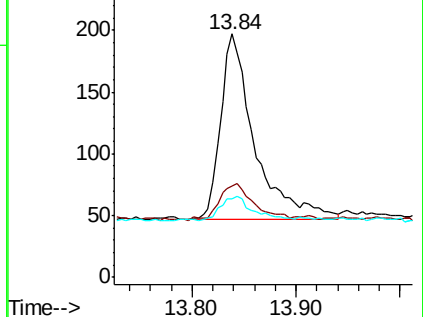
153 32.5 12.5 18.7#



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



#11

Acenaphthene

Concen: 0.077 ng/ul

RT: 14.19 min Scan# 2478

Delta R.T. 0.00 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

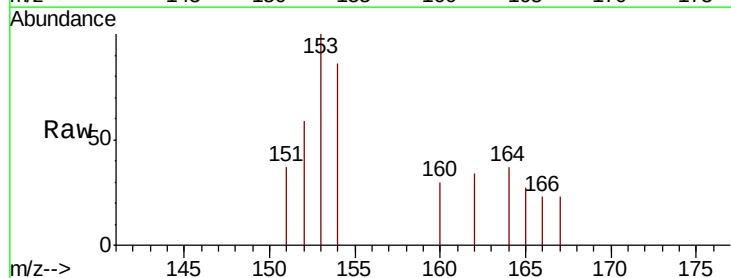
Tgt Ion:153 Resp: 303

Ion Ratio Lower Upper

153 100

152 59.1 39.9 59.9

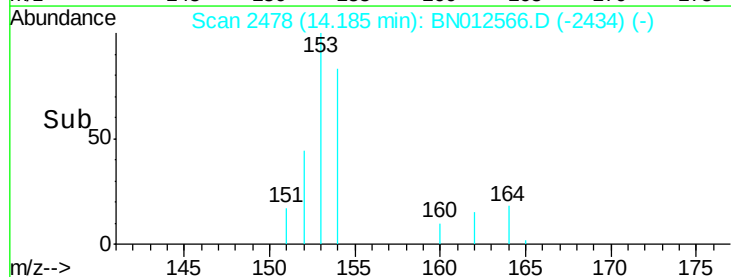
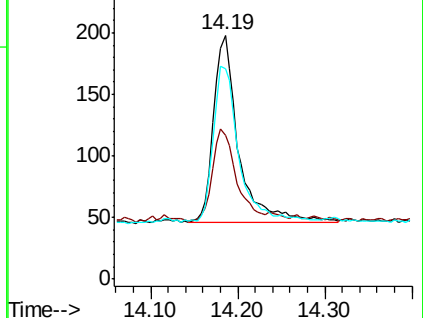
154 86.4 69.9 104.9

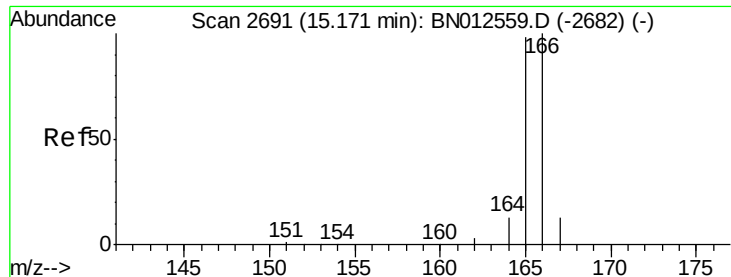


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.072 ng/ul

RT: 15.19 min Scan# 2696

Delta R.T. 0.02 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-04

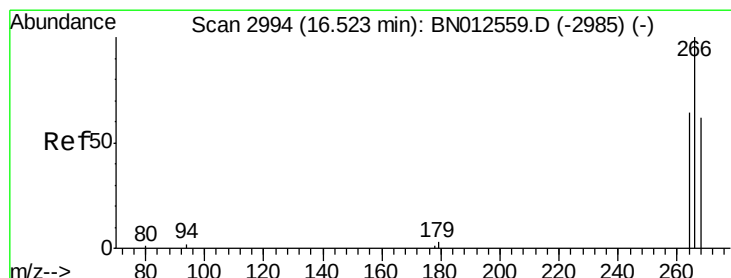
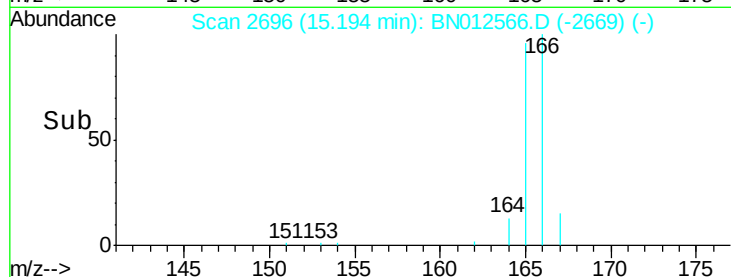
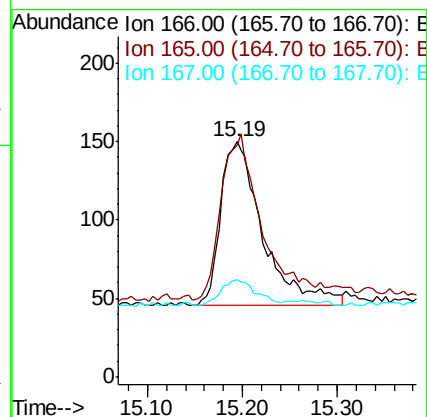
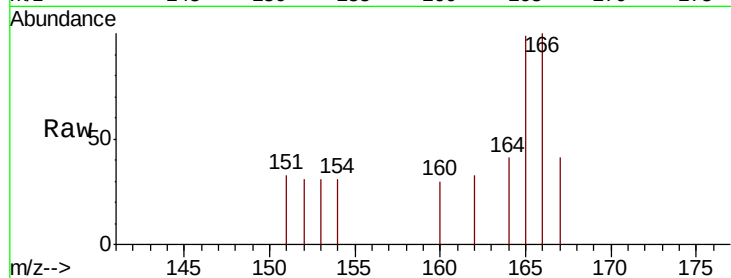
Tot Ion:166 Resp: 318

Ion Ratio Lower Upper

166 100

165 98.7 78.6 117.8

167 41.3 12.6 19.0#



#14

Pentachlorophenol

Concen: 0.090 ng/ul

RT: 16.54 min Scan# 2998

Delta R.T. 0.02 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

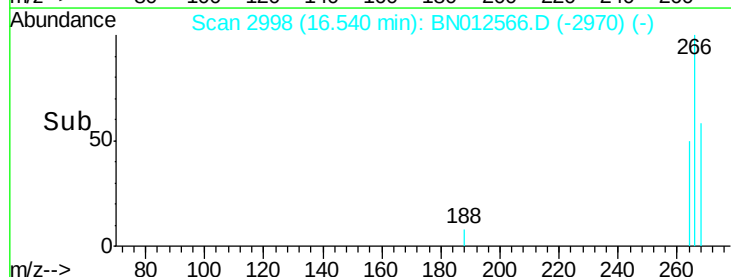
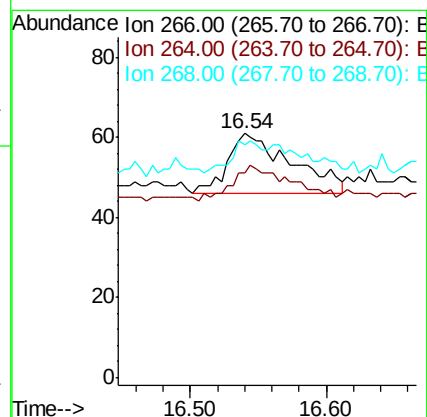
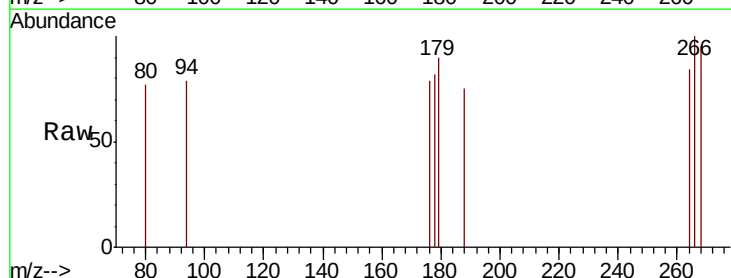
Tgt Ion:266 Resp: 49

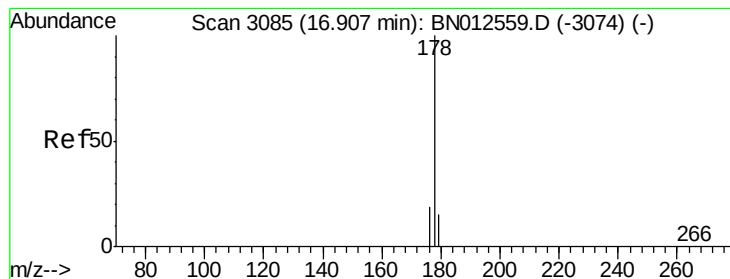
Ion Ratio Lower Upper

266 100

264 55.1 48.6 73.0

268 57.1 55.2 82.8





#15

Phenanthrene

Concen: 0.075 ng/ul

RT: 16.92 min Scan# 3088

Delta R.T. 0.01 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-04

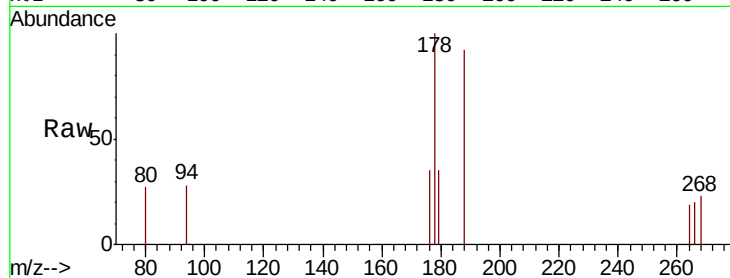
Tot Ion:178 Resp: 494

Ion Ratio Lower Upper

178 100

179 35.4 13.0 19.6#

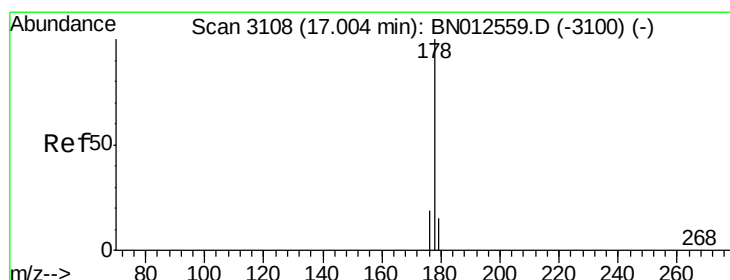
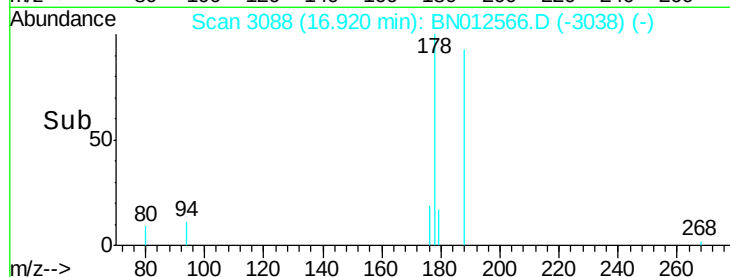
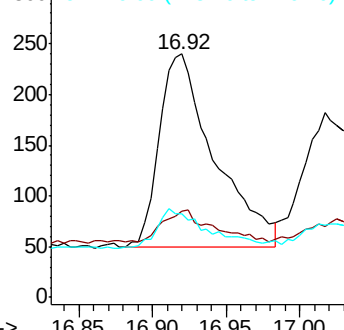
176 34.6 15.8 23.8#



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



#16

Anthracene

Concen: 0.066 ng/ul

RT: 17.02 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

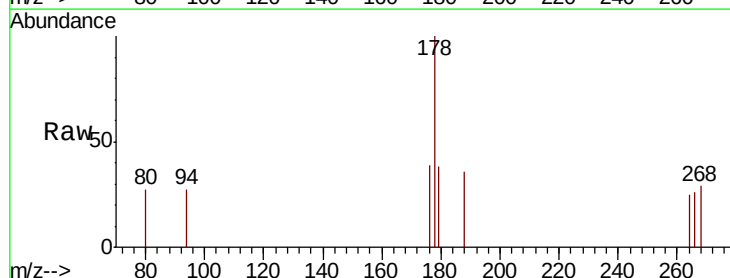
Tgt Ion:178 Resp: 354

Ion Ratio Lower Upper

178 100

179 38.5 14.2 21.4#

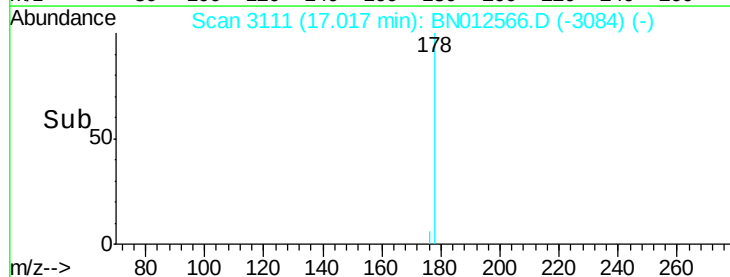
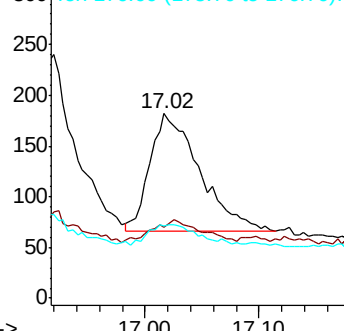
176 39.0 15.9 23.9#

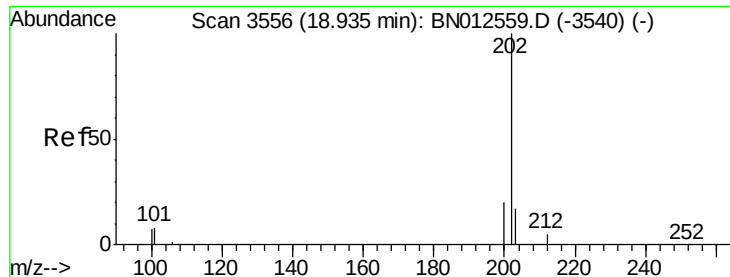


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.093 ng/ul

RT: 18.94 min Scan# 3557

Delta R.T. 0.00 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-04

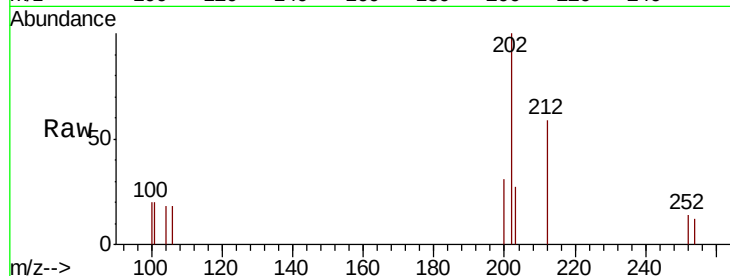
Tot Ion:202 Resp: 675

Ion Ratio Lower Upper

202 100

101 19.7 8.2 12.2#

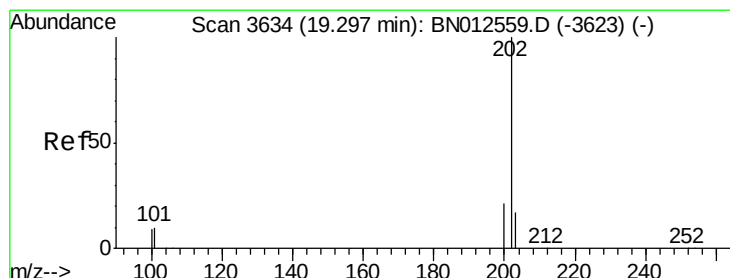
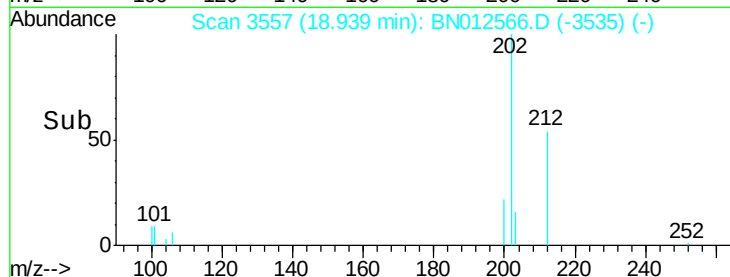
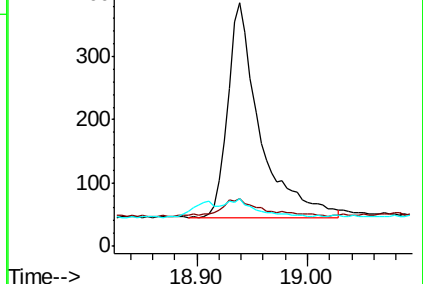
100 19.7 6.9 10.3#



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



#20

Pyrene

Concen: 0.085 ng/ul

RT: 19.31 min Scan# 3636

Delta R.T. 0.01 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

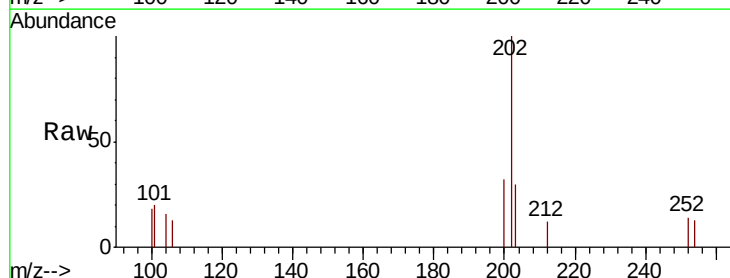
Tgt Ion:202 Resp: 728

Ion Ratio Lower Upper

202 100

101 19.8 9.4 14.2#

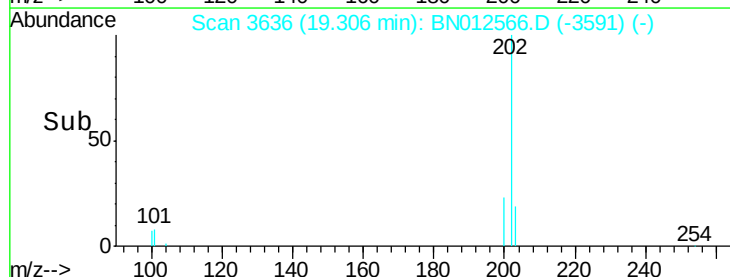
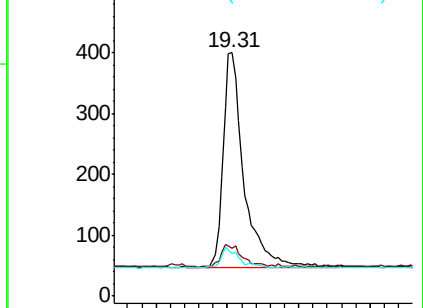
100 17.8 8.6 12.8#

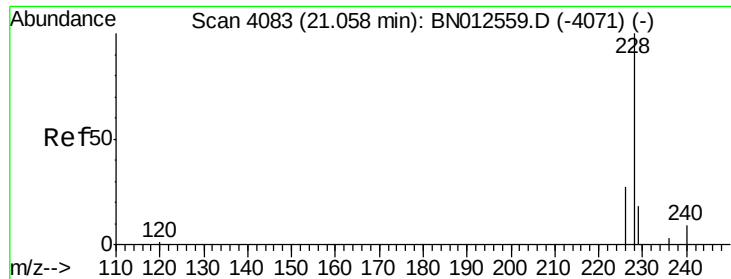


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.080 ng/ul

RT: 21.07 min Scan# 4087

Delta R.T. 0.01 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-04

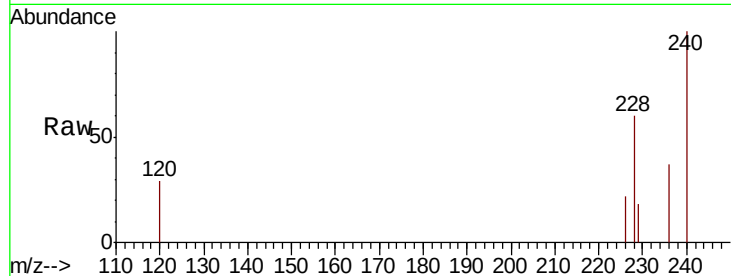
Tot Ion:228 Resp: 530

Ion Ratio Lower Upper

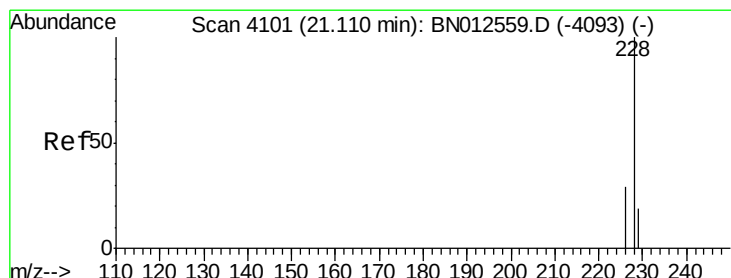
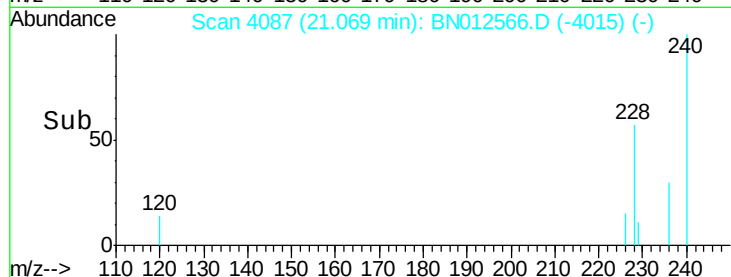
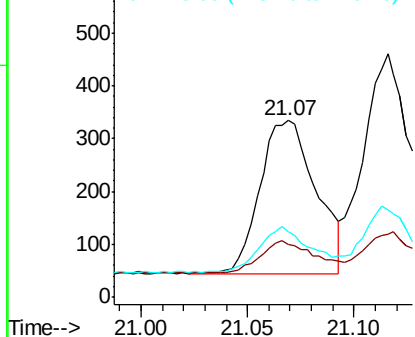
228 100

229 29.9 16.6 25.0#

226 36.8 23.5 35.3#



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



#22

Chrysene

Concen: 0.094 ng/ul

RT: 21.12 min Scan# 4103

Delta R.T. 0.01 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

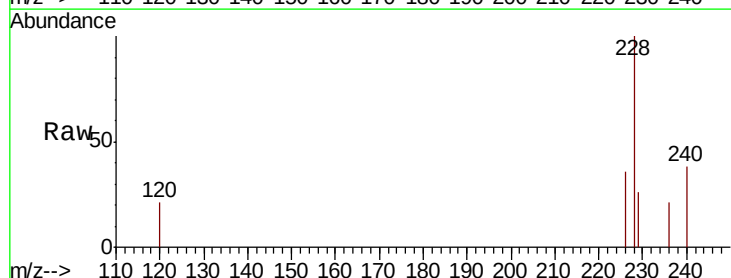
Tgt Ion:228 Resp: 752

Ion Ratio Lower Upper

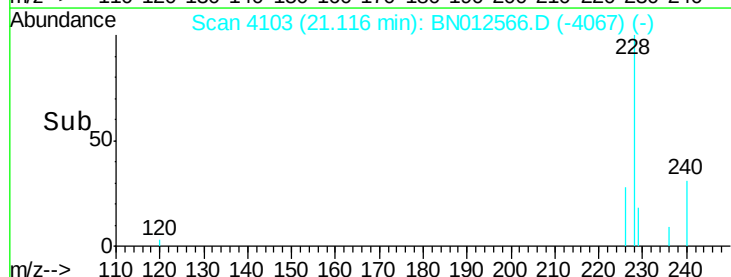
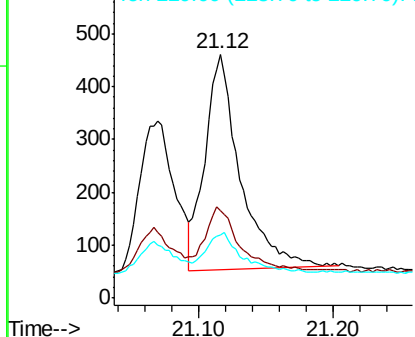
228 100

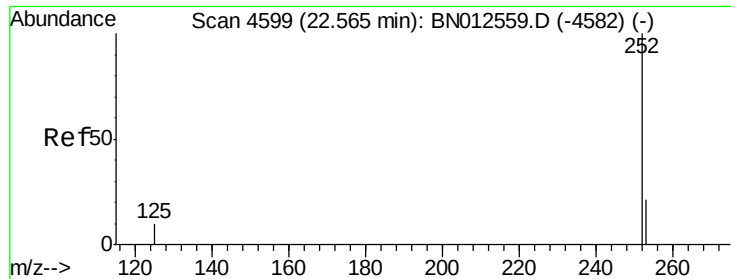
226 36.0 23.9 35.9#

229 26.0 16.6 24.8#



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





#24

Benzo(b)fluoranthene

Concen: 0.082 ng/ul

RT: 22.57 min Scan# 4601

Delta R.T. 0.01 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-04

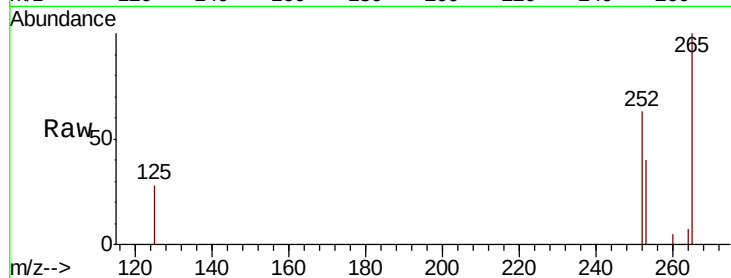
Tot Ion:252 Resp: 684

Ion Ratio Lower Upper

252 100

253 63.1 0.0 59.2#

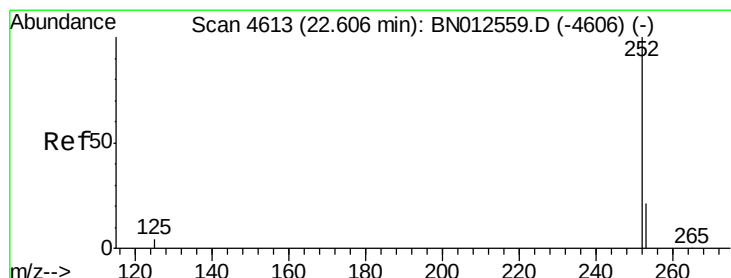
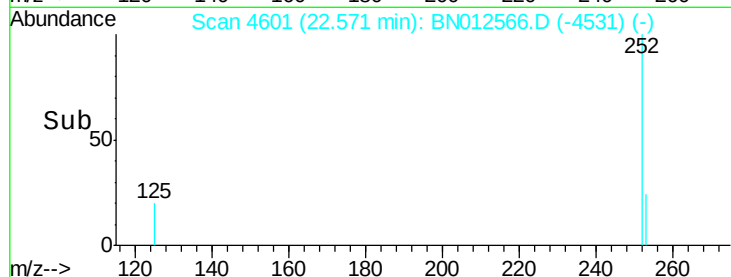
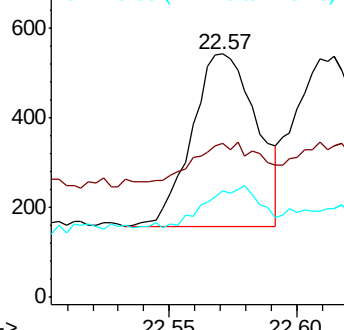
125 43.7 0.0 30.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#25

Benzo(k)fluoranthene

Concen: 0.093 ng/ul

RT: 22.61 min Scan# 4616

Delta R.T. 0.01 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

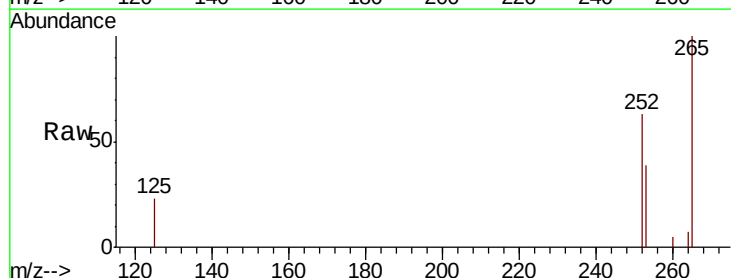
Tgt Ion:252 Resp: 895

Ion Ratio Lower Upper

252 100

253 63.1 23.3 34.9#

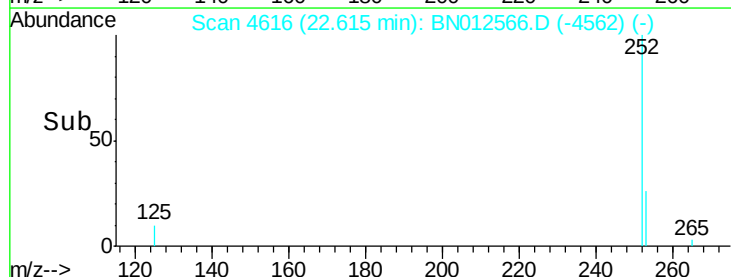
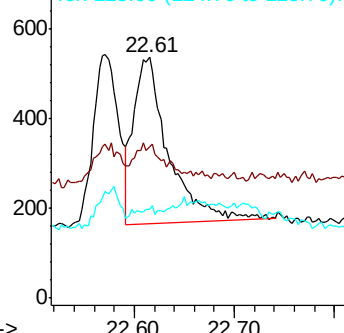
125 36.9 10.6 15.8#

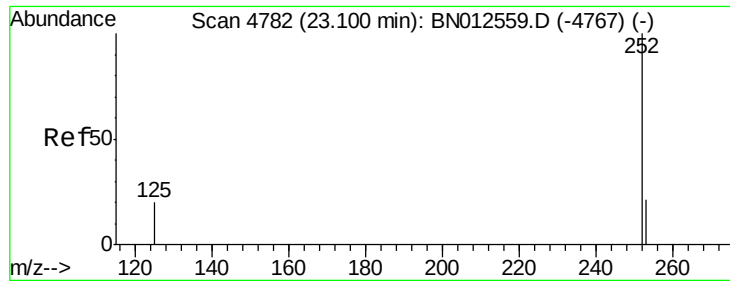


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.096 ng/ul

RT: 23.10 min Scan# 4783

Delta R.T. 0.00 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-04

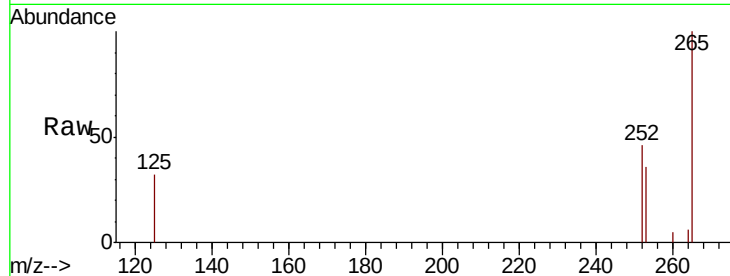
Tot Ion:252 Resp: 757

Ion Ratio Lower Upper

252 100

253 79.0 27.4 41.0#

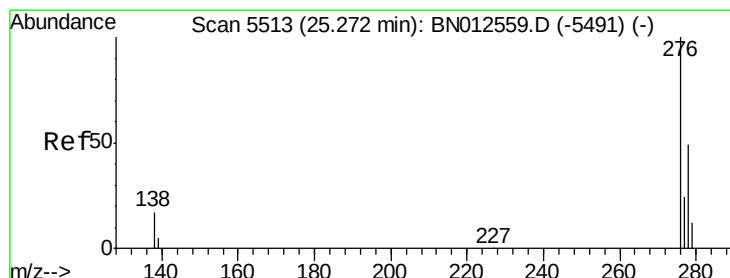
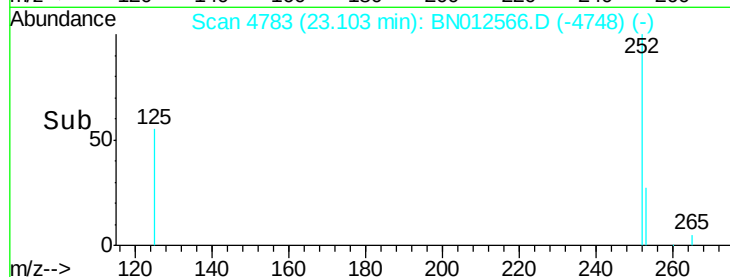
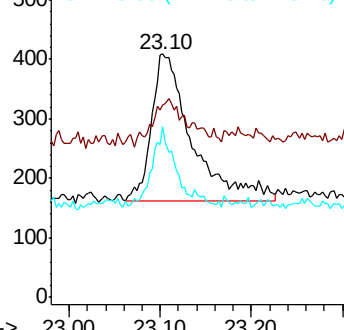
125 69.9 17.7 26.5#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.081 ng/ul

RT: 25.29 min Scan# 5517

Delta R.T. 0.01 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

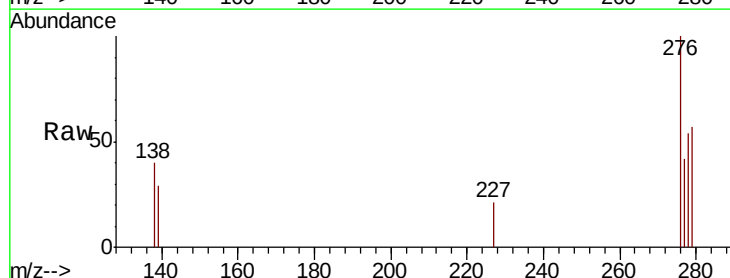
Tgt Ion:276 Resp: 835

Ion Ratio Lower Upper

276 100

138 11.4 16.3 24.5#

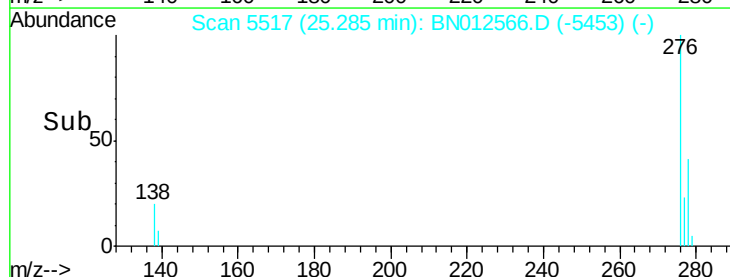
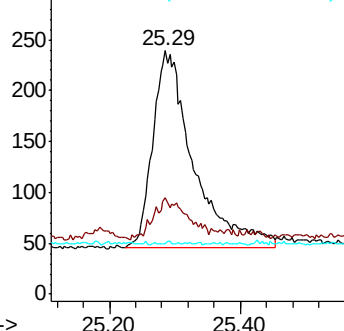
227 0.2 0.1 0.1#

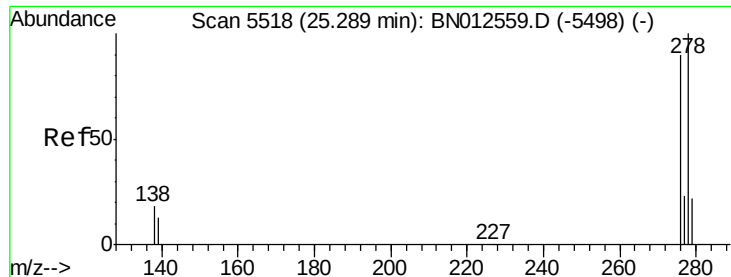


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.077 ng/ul

RT: 25.31 min Scan# 5524

Delta R.T. 0.02 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-04

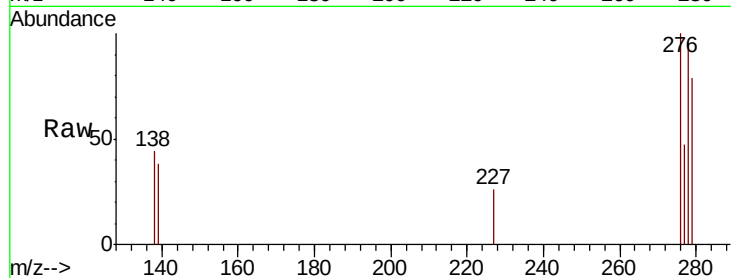
Tot Ion:278 Resp: 641

Ion Ratio Lower Upper

278 100

139 39.1 13.4 20.2#

279 82.1 25.8 38.6#



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

250

200

150

100

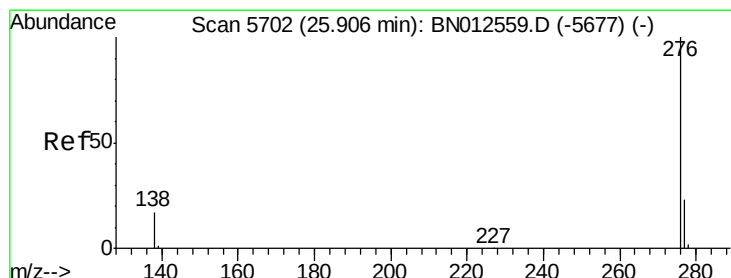
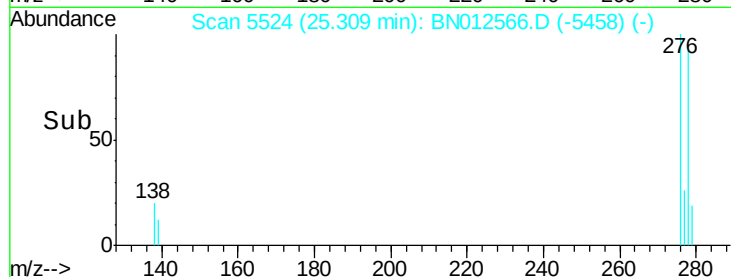
50

0

25.20

25.40

Time-->



#29

Benzo(g,h,i)perylene

Concen: 0.083 ng/ul

RT: 25.92 min Scan# 5706

Delta R.T. 0.01 min

Lab File: BN012566.D

Acq: 12 Nov 2020 16:15

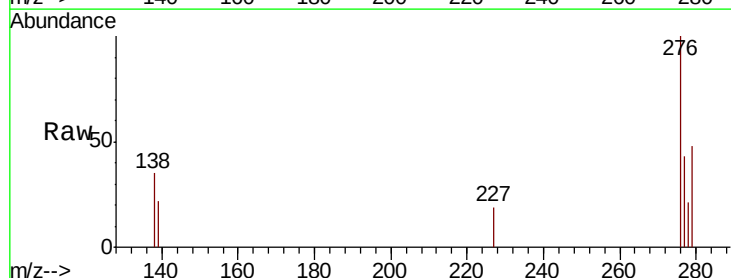
Tgt Ion:276 Resp: 790

Ion Ratio Lower Upper

276 100

138 35.4 17.1 25.7#

277 43.0 21.4 32.0#



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

300

200

100

0

25.80

26.00

Time-->

