

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111020\
 Data File : BN012543.D
 Acq On : 10 Nov 2020 22:04
 Operator : CG/JU
 Sample : L4485-09
 Misc : MDL-W-02
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-02

Quant Time: Nov 11 00:52:24 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 : Tue Nov 10 14:27:13 2020
 Response via : Initial Calibration

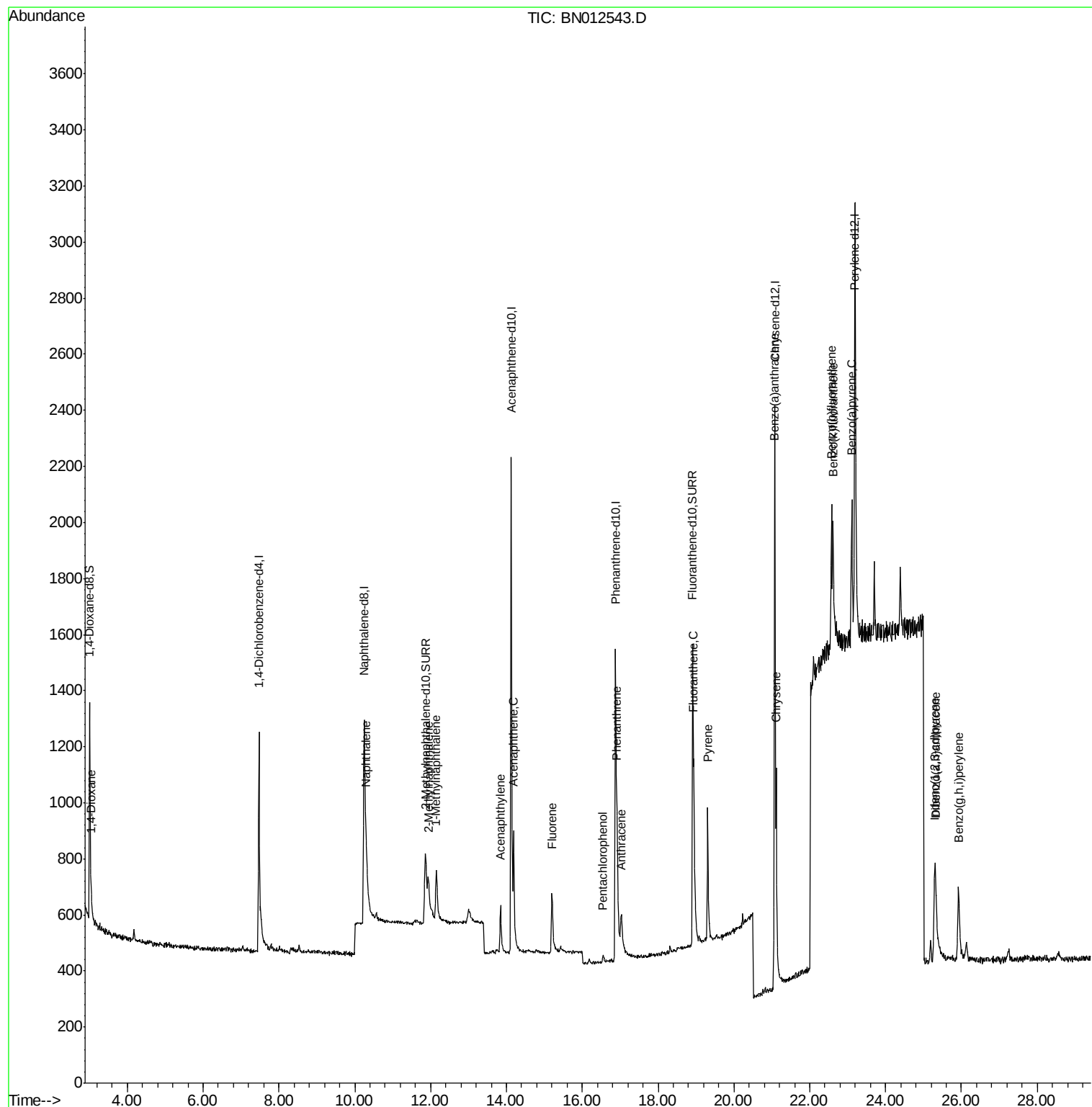
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	594	0.40	ng/ul	0.00
4) Naphthalene-d8	10.25	136	2359	0.40	ng/ul	0.01
9) Acenaphthene-d10	14.13	164	1303	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.88	188	2463	0.40	ng/ul	0.00
19) Chrysene-d12	21.08	240	2246	0.40	ng/ul	0.00
23) Perylene-d12	23.19	264	2397	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.01	96	486	0.60	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.86	152	905	0.27	ng/ul	0.02
17) Fluoranthene-d10	18.91	212	1885	0.31	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.05	88	65	0.080	ng/ul#	80
5) Naphthalene	10.30	128	375	0.057	ng/ul#	40
7) 2-Methylnaphthalene	11.94	142	201	0.047	ng/ul	87
8) 1-Methylnaphthalene	12.14	142	217	0.053	ng/ul	95
10) Acenaphthylene	13.84	152	329	0.057	ng/ul#	61
11) Acenaphthene	14.19	153	275	0.056	ng/ul#	92
12) Fluorene	15.20	166	296	0.054	ng/ul#	90
14) Pentachlorophenol	16.56	266	35	0.052	ng/ul#	90
15) Phenanthrene	16.92	178	437	0.054	ng/ul#	59
16) Anthracene	17.04	178	317	0.047	ng/ul#	37
18) Fluoranthene	18.94	202	587	0.065	ng/ul#	61
20) Pyrene	19.31	202	621	0.059	ng/ul#	76
21) Benzo(a)anthracene	21.06	228	485	0.059	ng/ul#	84
22) Chrysene	21.12	228	644	0.065	ng/ul#	84
24) Benzo(b)fluoranthene	22.57	252	592	0.058	ng/ul#	21
25) Benzo(k)fluoranthene	22.62	252	691	0.059	ng/ul#	31
26) Benzo(a)pyrene	23.11	252	590	0.061	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.29	276	718	0.057	ng/ul#	56
28) Dibenzo(a,h)anthracene	25.32	278	558	0.055	ng/ul#	12
29) Benzo(g,h,i)perylene	25.93	276	679	0.058	ng/ul#	65

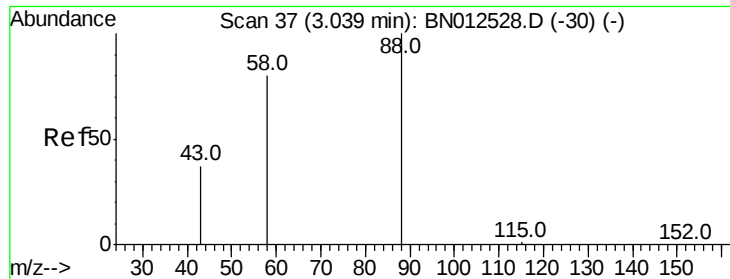
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.080 ng/ul

RT: 3.05 min Scan# 39

Delta R.T. 0.01 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-02

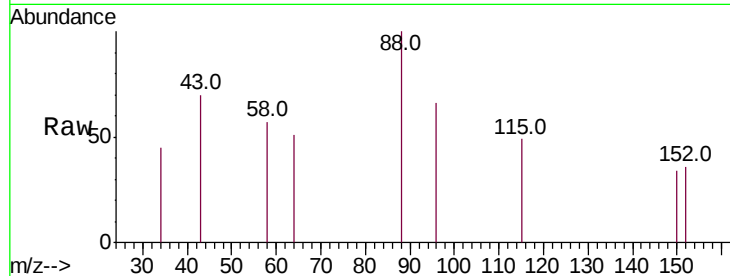
Tot Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 69.9 42.7 64.1#

58 57.3 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): BN012528.D (-30) (-)

Ion 43.00 (42.70 to 43.70): BN012528.D (-30) (-)

Ion 58.00 (57.70 to 58.70): BN012528.D (-30) (-)

3.05

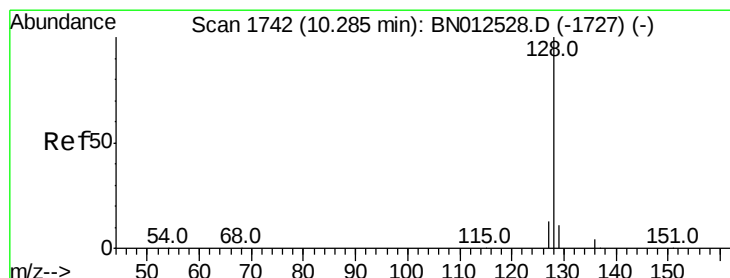
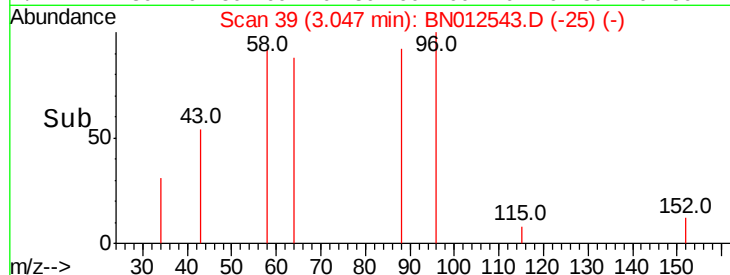
150

100

50

0

Time-->



#5

Naphthalene

Concen: 0.057 ng/ul

RT: 10.30 min Scan# 1745

Delta R.T. 0.02 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

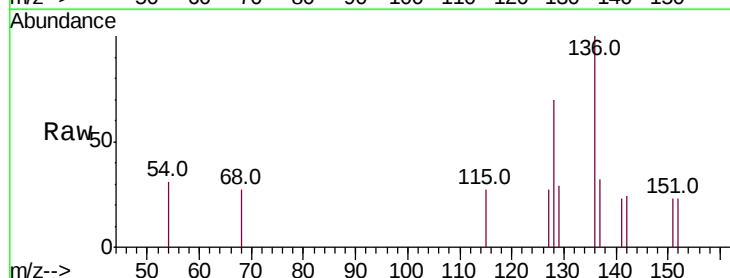
Tgt Ion: 128 Resp: 375

Ion Ratio Lower Upper

128 100

129 40.7 11.1 16.7#

127 38.6 12.6 18.8#



Abundance Ion 128.00 (127.70 to 128.70): BN012528.D (-1727) (-)

Ion 129.00 (128.70 to 129.70): BN012528.D (-1727) (-)

Ion 127.00 (126.70 to 127.70): BN012528.D (-1727) (-)

10.30

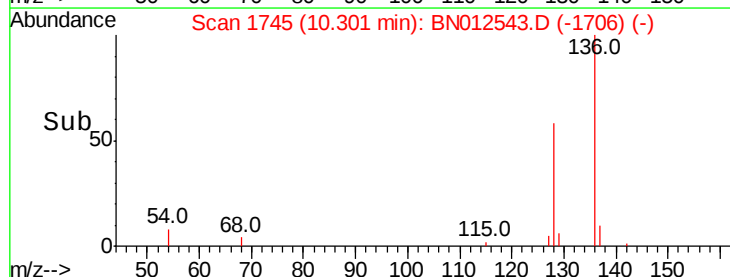
150

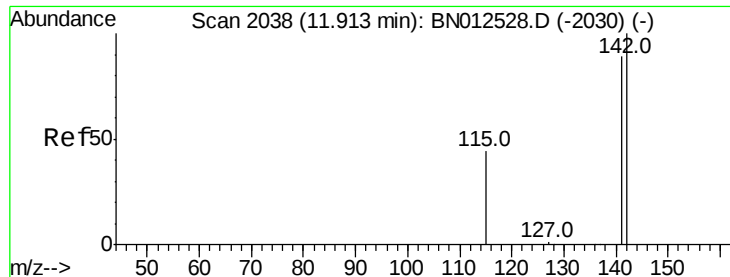
100

50

0

Time-->





#7

2-Methylnaphthalene

Concen: 0.047 ng/ul

RT: 11.94 min Scan# 2043

Delta R.T. 0.03 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

Instrument :

BNA_N

ClientSampleId :

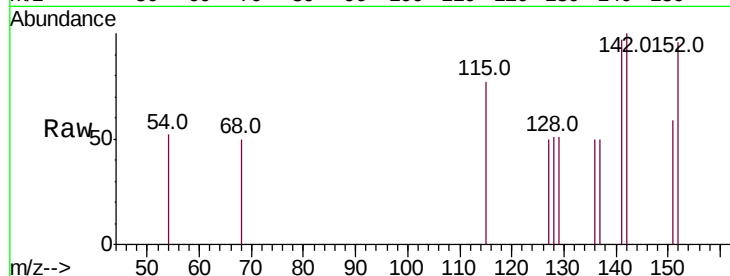
MDL-WATER-02

Tot Ion:142 Resp: 201

Ion Ratio Lower Upper

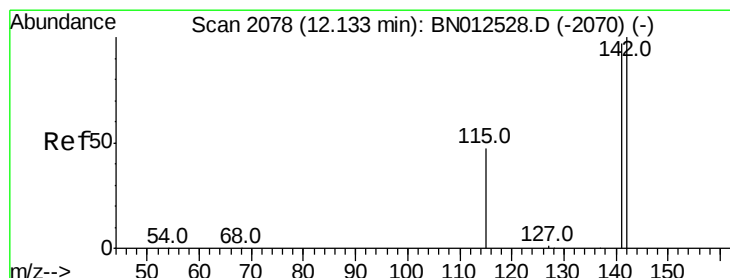
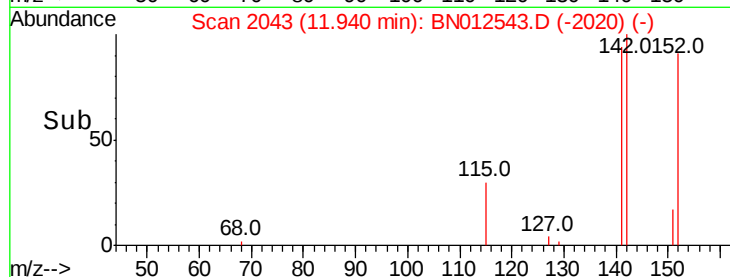
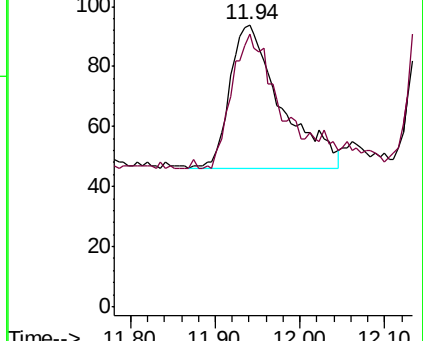
142 100

141 102.5 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.053 ng/ul

RT: 12.14 min Scan# 2080

Delta R.T. 0.01 min

Lab File: BN012543.D

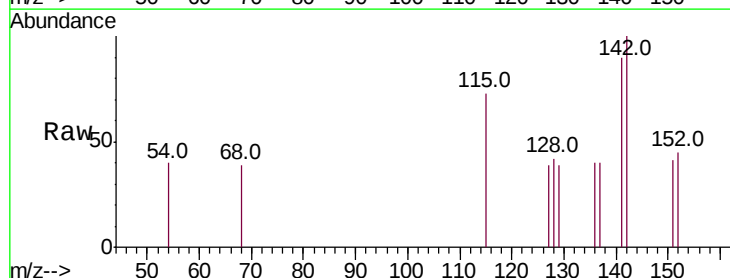
Acq: 10 Nov 2020 22:04

Tgt Ion:142 Resp: 217

Ion Ratio Lower Upper

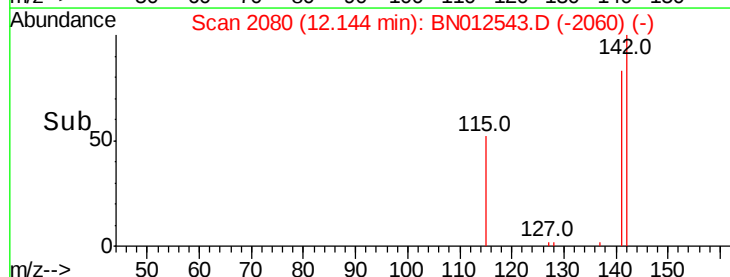
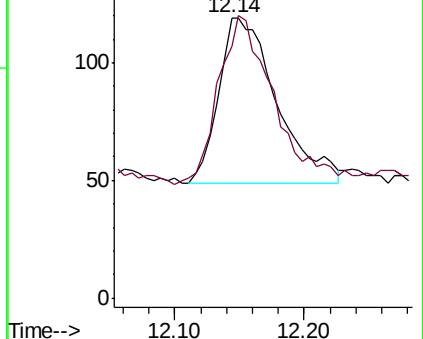
142 100

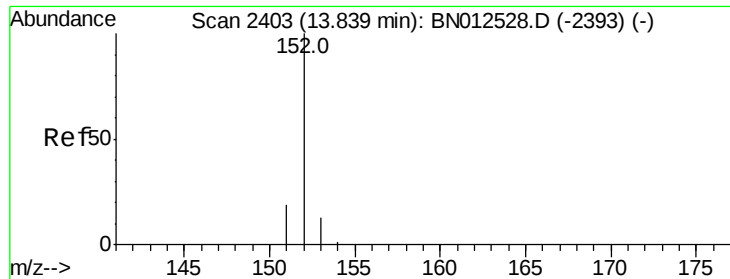
141 98.6 75.3 112.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.057 ng/ul

RT: 13.84 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-02

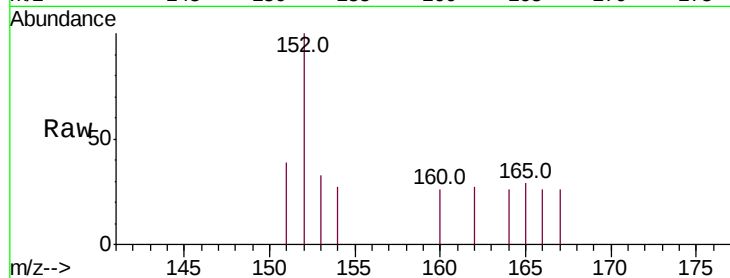
Tot Ion:152 Resp: 329

Ion Ratio Lower Upper

152 100

151 38.6 17.0 25.4#

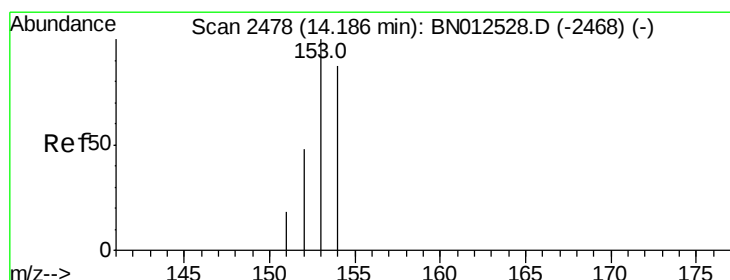
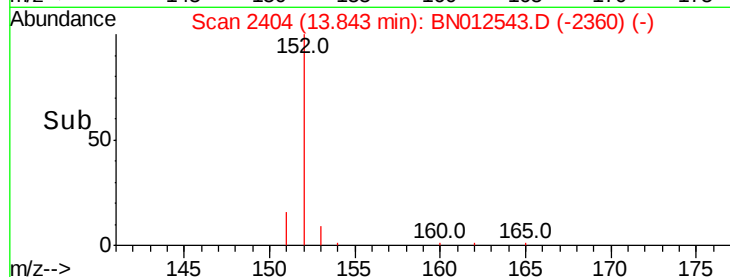
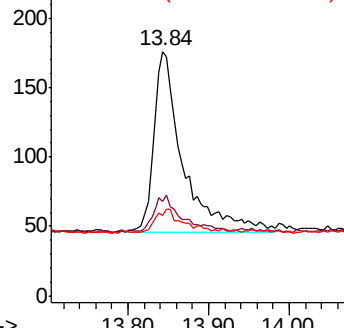
153 33.0 12.5 18.7#



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: 0.056 ng/ul

RT: 14.19 min Scan# 2479

Delta R.T. 0.00 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

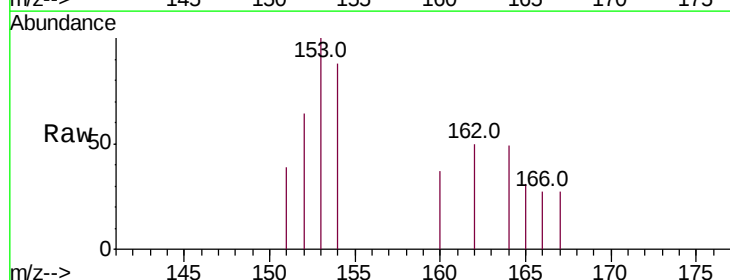
Tgt Ion:153 Resp: 275

Ion Ratio Lower Upper

153 100

152 64.2 39.9 59.9#

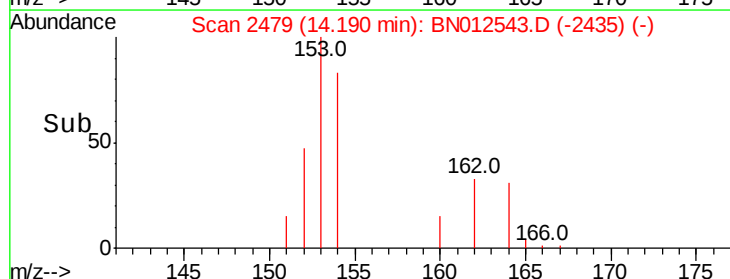
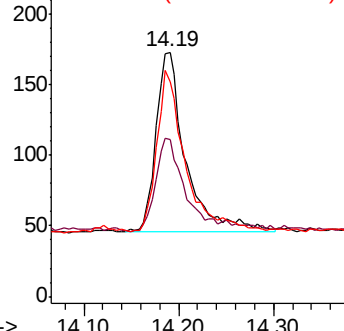
154 87.9 69.9 104.9

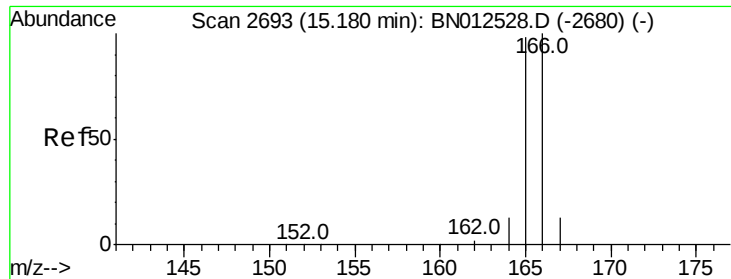


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.054 ng/ul

RT: 15.20 min Scan# 2698

Delta R.T. 0.02 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-02

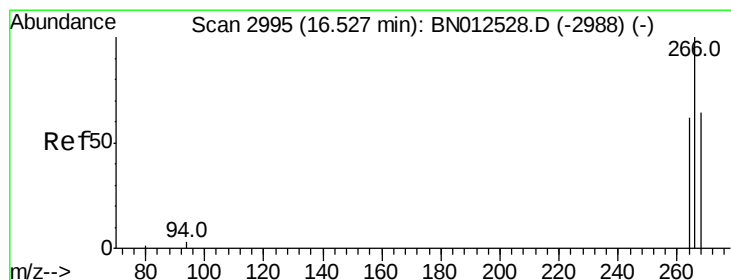
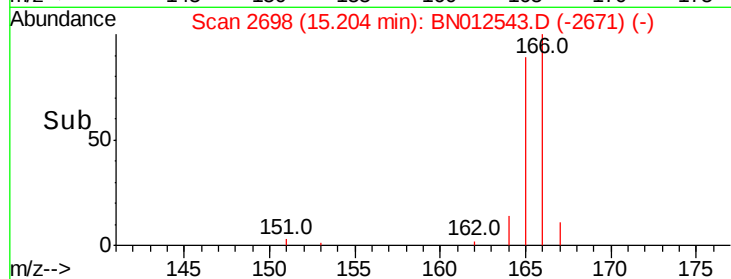
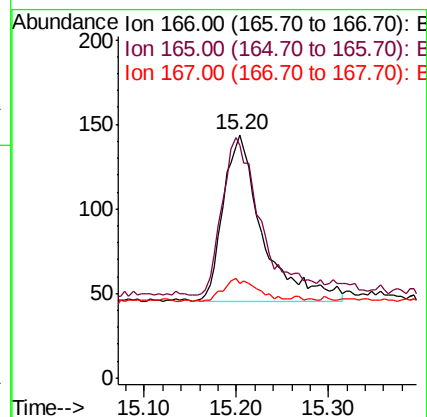
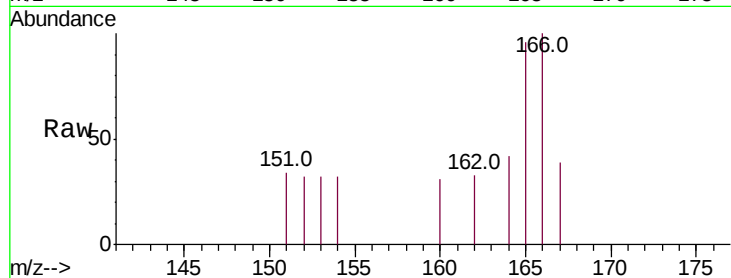
Tot Ion:166 Resp: 296

Ion Ratio Lower Upper

166 100

165 95.8 78.6 117.8

167 38.9 12.6 19.0#



#14

Pentachlorophenol

Concen: 0.052 ng/ul

RT: 16.56 min Scan# 3002

Delta R.T. 0.03 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

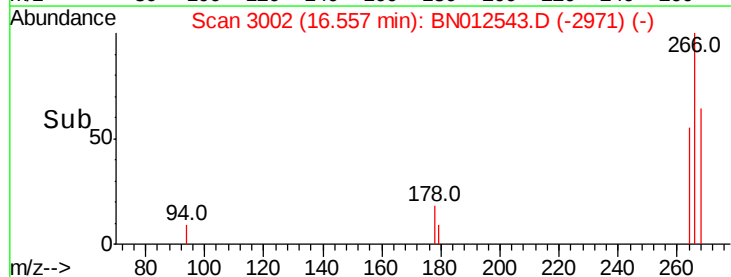
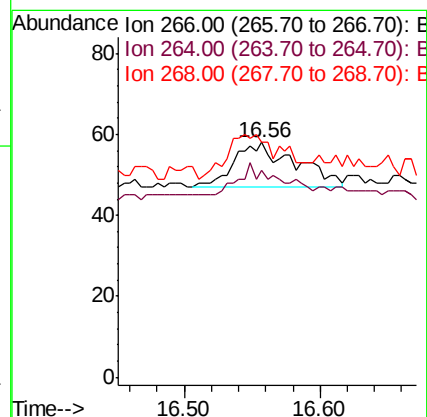
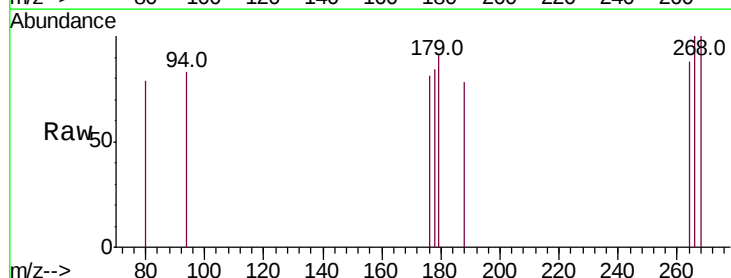
Tgt Ion:266 Resp: 35

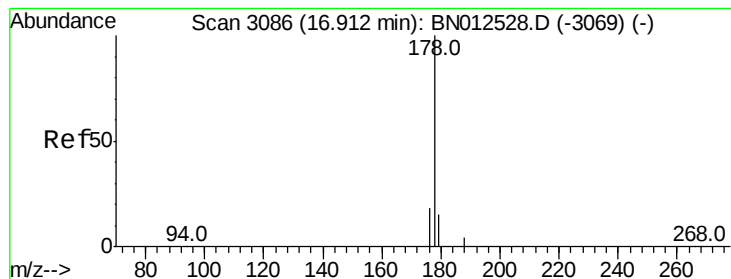
Ion Ratio Lower Upper

266 100

264 48.6 48.6 73.0#

268 65.7 55.2 82.8





#15

Phenanthrene

Concen: 0.054 ng/ul

RT: 16.92 min Scan# 3088

Delta R.T. 0.01 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-02

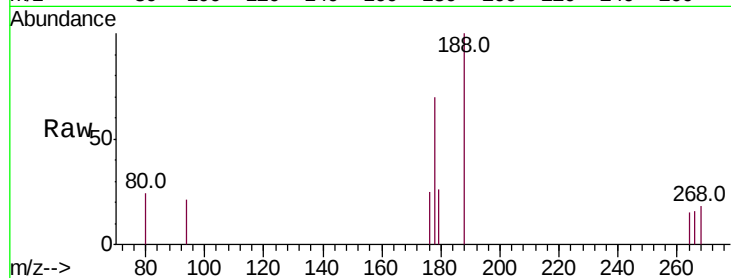
Tot Ion:178 Resp: 437

Ion Ratio Lower Upper

178 100

179 37.6 13.0 19.6#

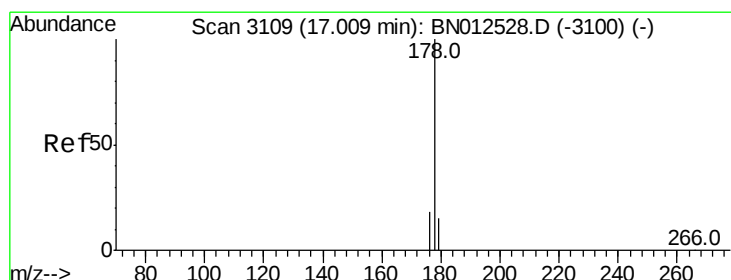
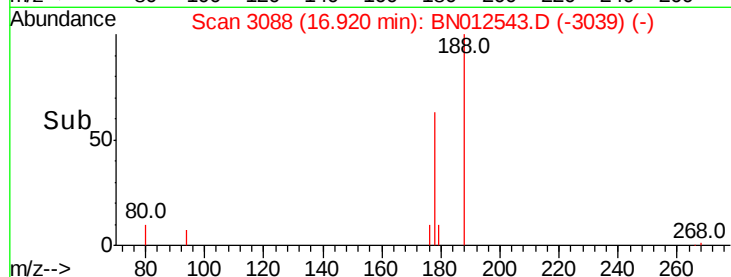
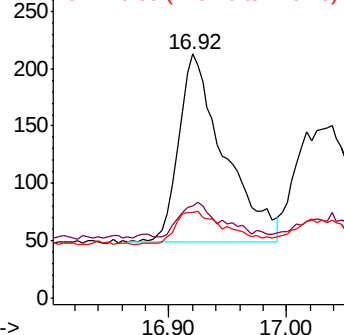
176 35.2 15.8 23.8#



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: 0.047 ng/ul

RT: 17.04 min Scan# 3116

Delta R.T. 0.03 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

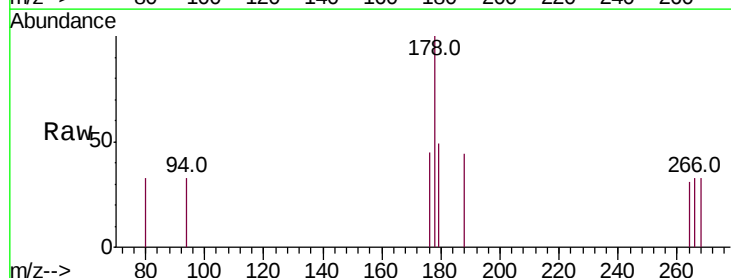
Tgt Ion:178 Resp: 317

Ion Ratio Lower Upper

178 100

179 49.3 14.2 21.4#

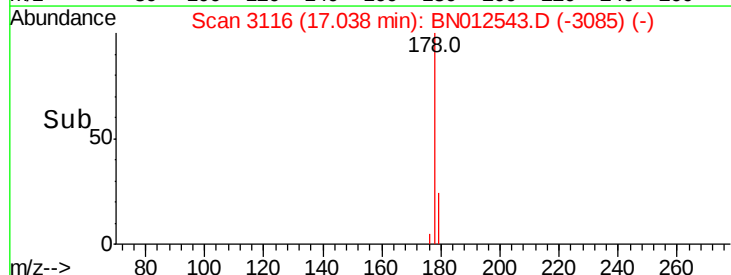
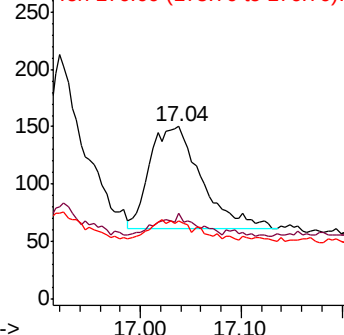
176 45.3 15.9 23.9#

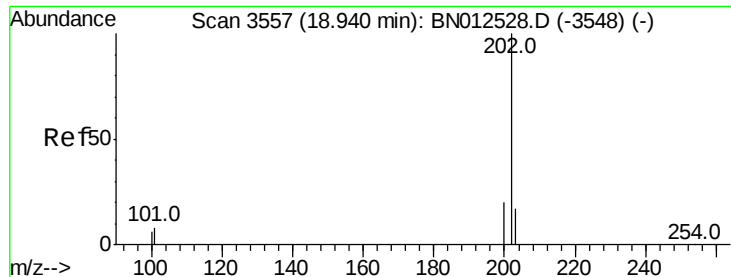


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.065 ng/ul

RT: 18.94 min Scan# 3557

Delta R.T. -0.00 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

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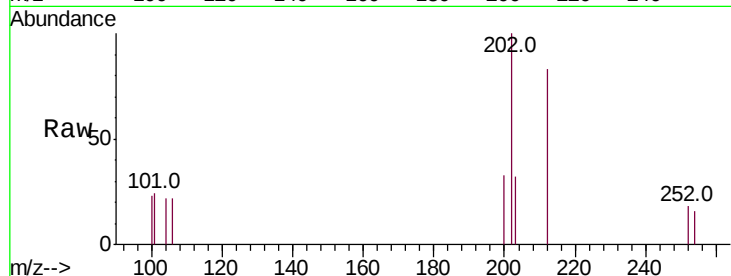
Tot Ion:202 Resp: 587

Ion Ratio Lower Upper

202 100

101 24.4 8.2 12.2#

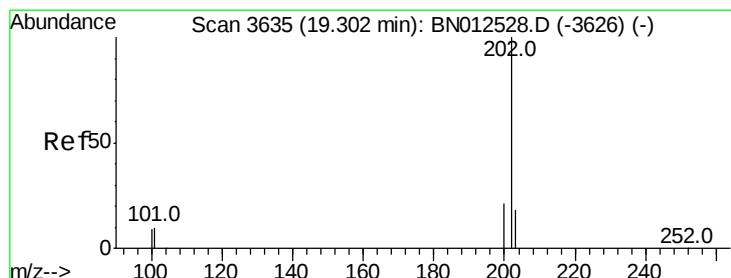
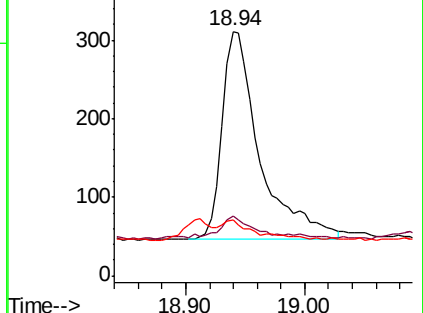
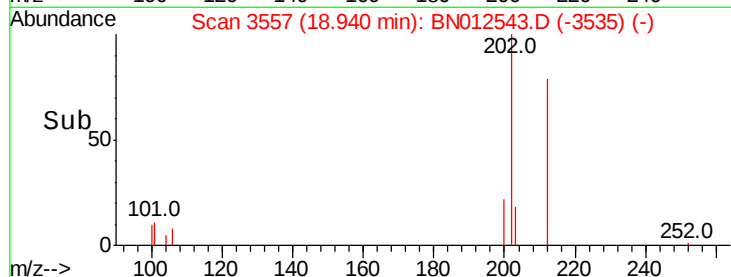
100 22.8 6.9 10.3#



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: 0.059 ng/ul

RT: 19.31 min Scan# 3636

Delta R.T. 0.00 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

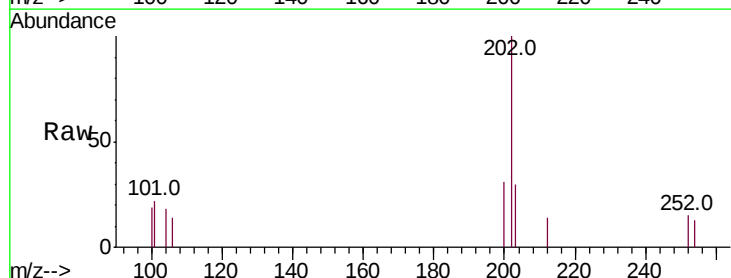
Tgt Ion:202 Resp: 621

Ion Ratio Lower Upper

202 100

101 22.2 9.4 14.2#

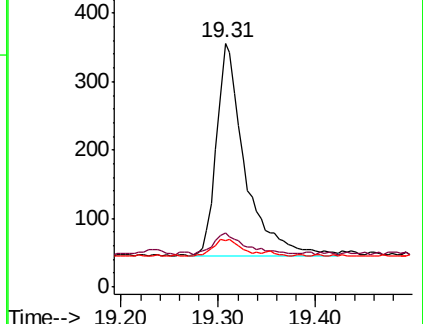
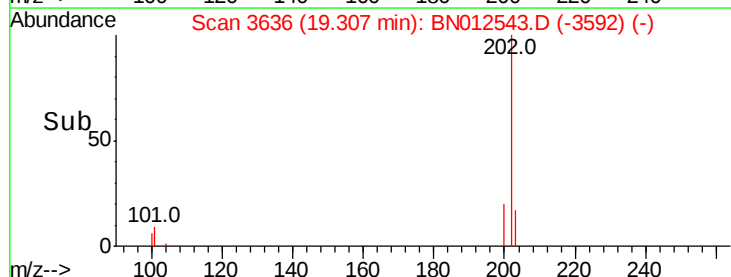
100 18.8 8.6 12.8#

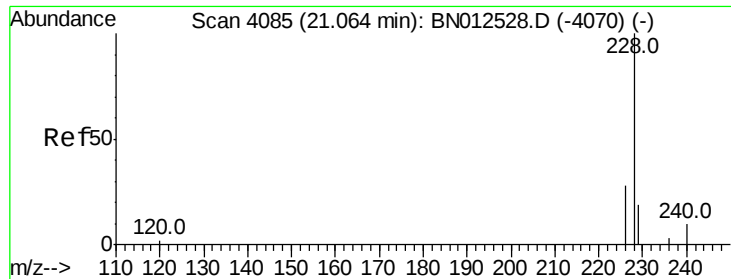


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.059 ng/ul

RT: 21.06 min Scan# 4085

Delta R.T. -0.00 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-02

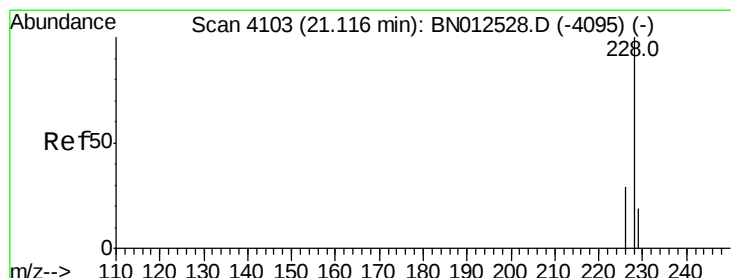
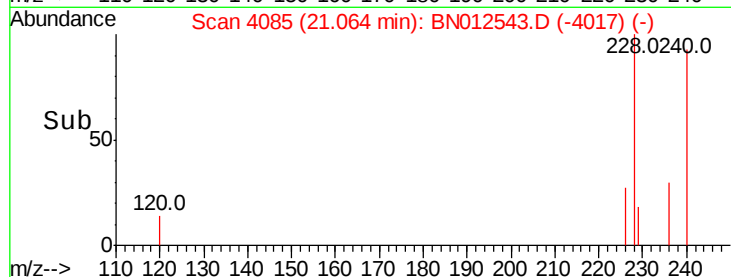
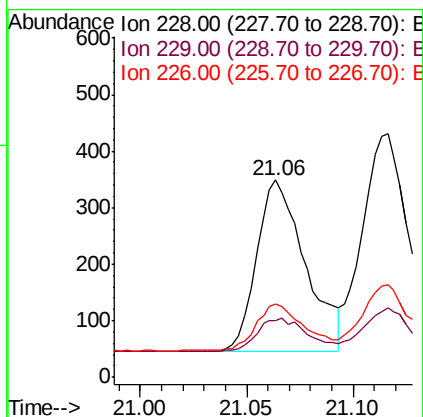
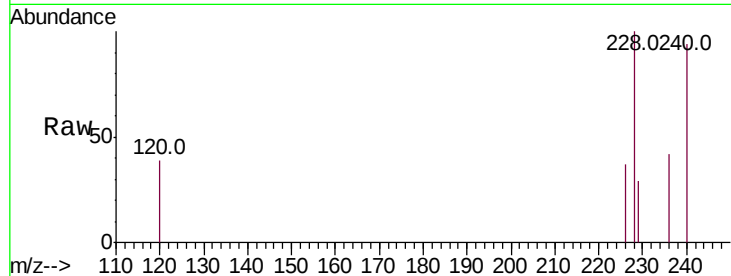
Tot Ion:228 Resp: 485

Ion Ratio Lower Upper

228 100

229 28.7 16.6 25.0#

226 37.2 23.5 35.3#



#22

Chrysene

Concen: 0.065 ng/ul

RT: 21.12 min Scan# 4103

Delta R.T. -0.00 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

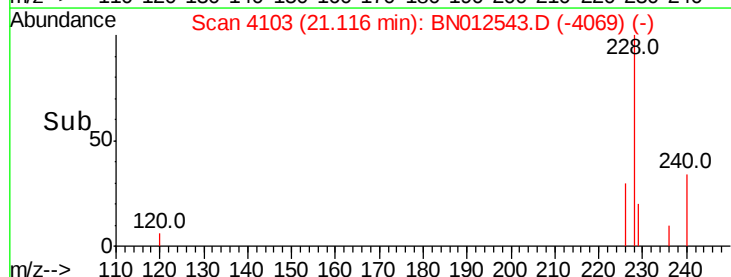
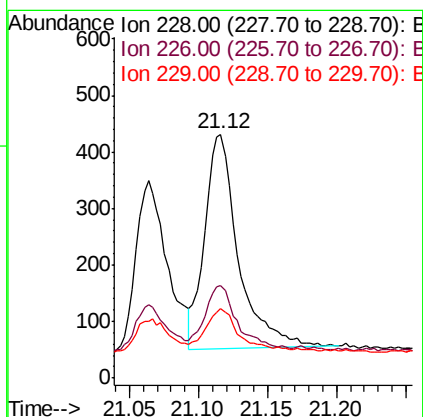
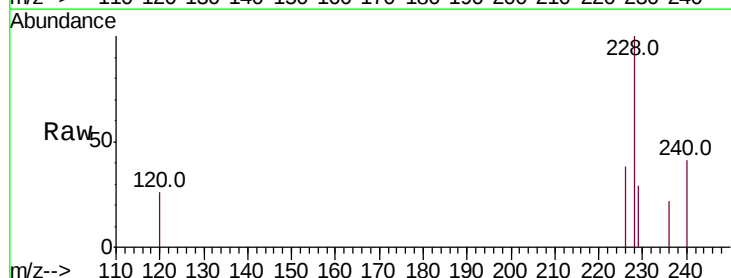
Tgt Ion:228 Resp: 644

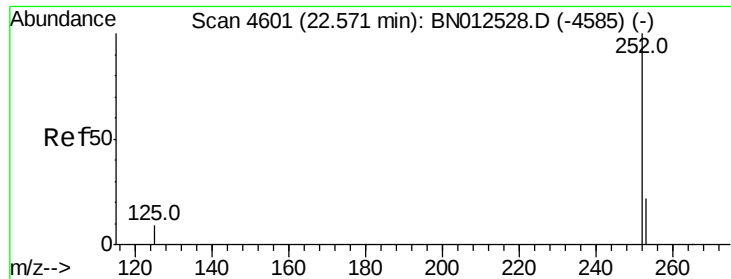
Ion Ratio Lower Upper

228 100

226 37.8 23.9 35.9#

229 28.5 16.6 24.8#





#24

Benzo(b)fluoranthene

Concen: 0.058 ng/ul

RT: 22.57 min Scan# 4602

Delta R.T. 0.00 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-02

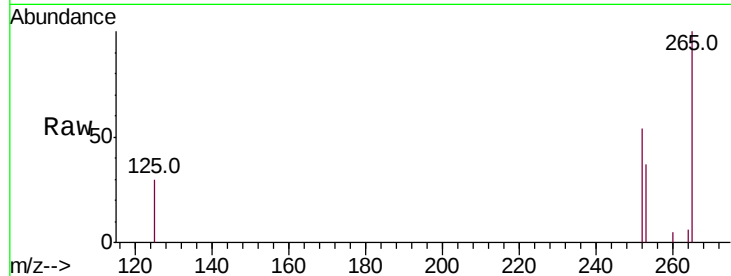
Tot Ion:252 Resp: 592

Ion Ratio Lower Upper

252 100

253 68.0 0.0 59.2#

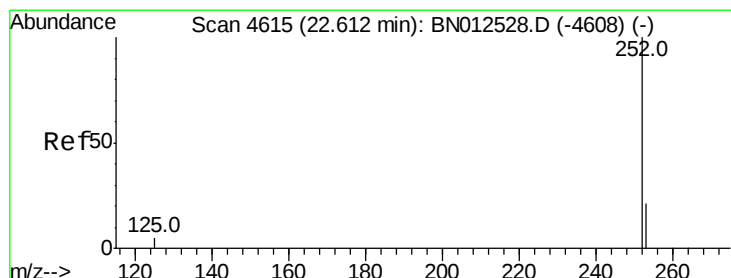
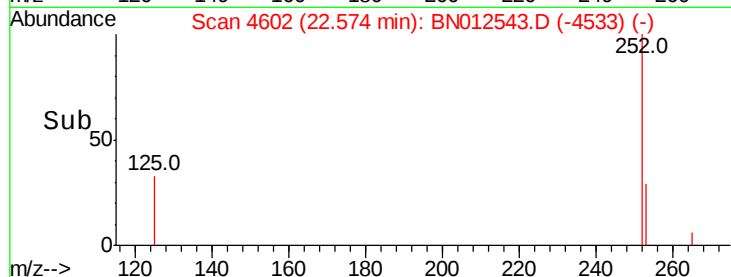
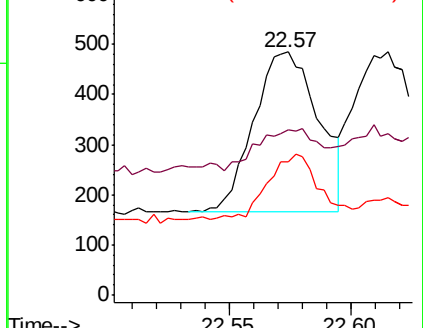
125 54.8 0.0 30.2#



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: 0.059 ng/ul

RT: 22.62 min Scan# 4616

Delta R.T. 0.00 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

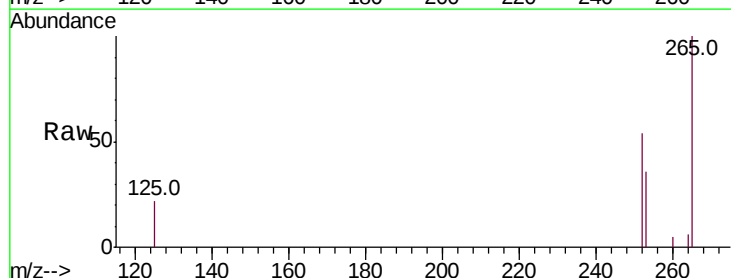
Tgt Ion:252 Resp: 691

Ion Ratio Lower Upper

252 100

253 66.6 23.3 34.9#

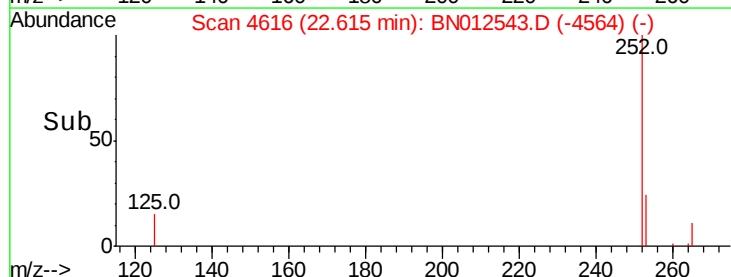
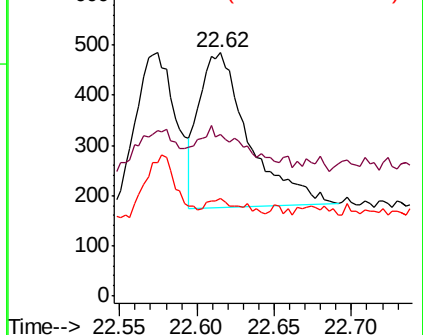
125 40.2 10.6 15.8#

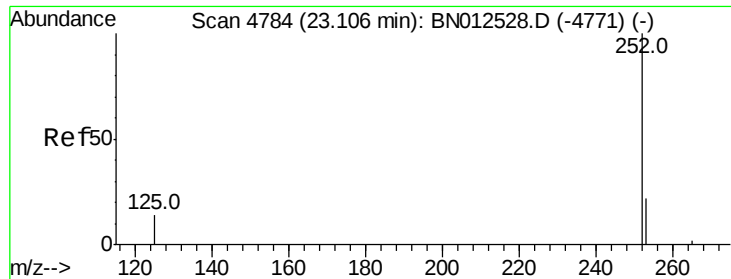


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.061 ng/u1

RT: 23.11 min Scan# 4785

Delta R.T. 0.00 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-02

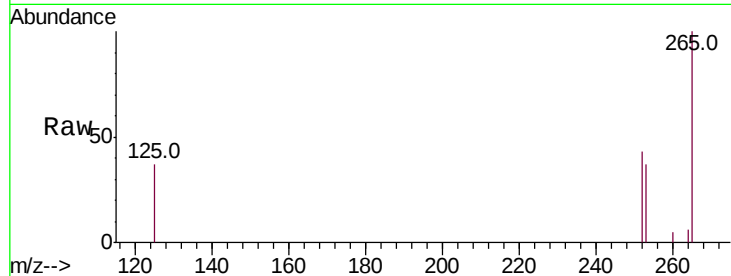
Tot Ion:252 Resp: 590

Ion Ratio Lower Upper

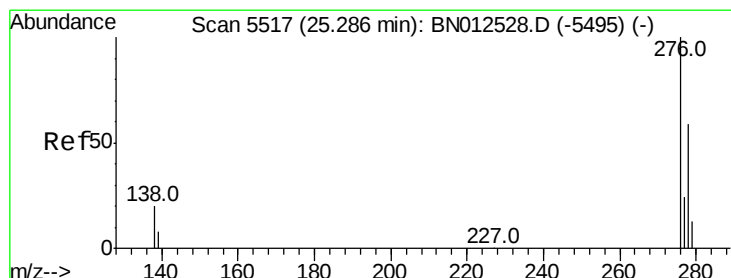
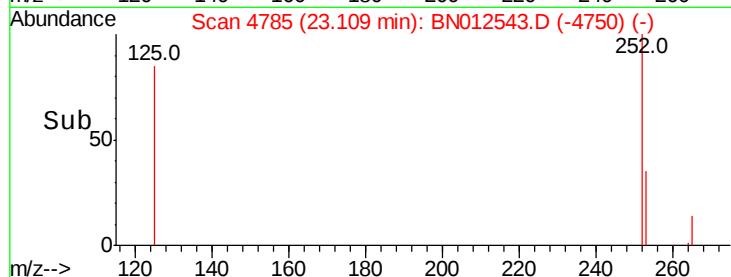
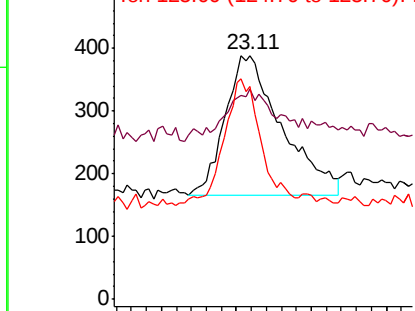
252 100

253 86.3 27.4 41.0#

125 87.6 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: 0.057 ng/u1

RT: 25.29 min Scan# 5518

Delta R.T. 0.00 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

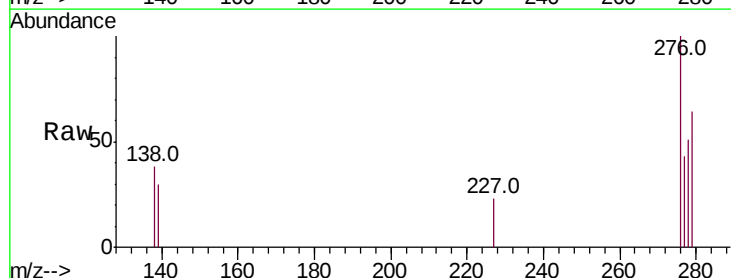
Tgt Ion:276 Resp: 718

Ion Ratio Lower Upper

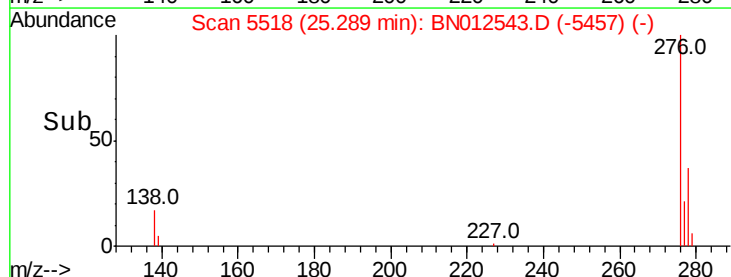
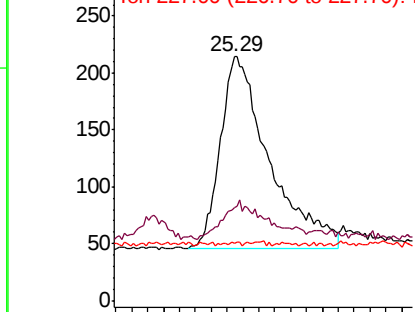
276 100

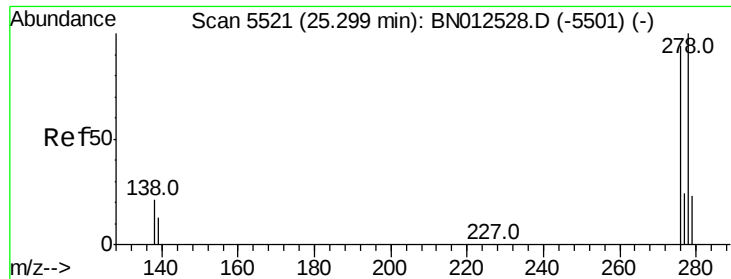
138 0.0 16.3 24.5#

227 0.3 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: 0.055 ng/u1

RT: 25.32 min Scan# 5526

Delta R.T. 0.02 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-02

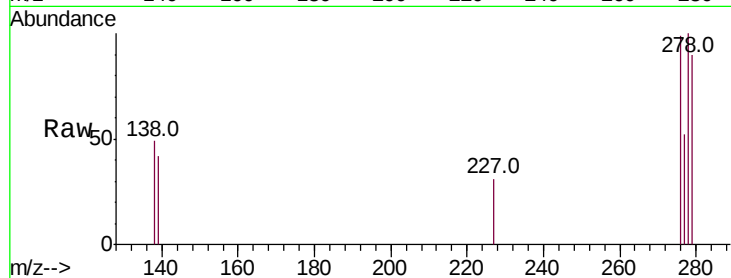
Tot Ion:278 Resp: 558

Ion Ratio Lower Upper

278 100

139 42.1 13.4 20.2#

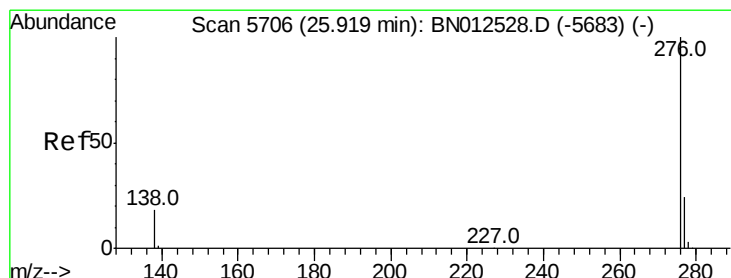
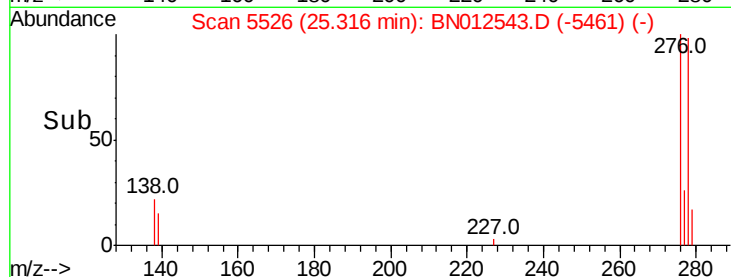
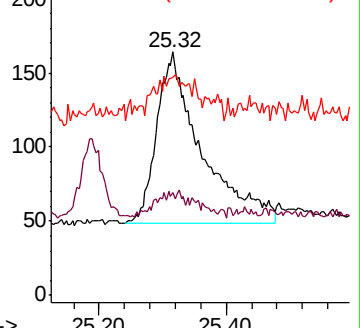
279 89.6 25.8 38.6#



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



#29

Benzo(g,h,i)perylene

Concen: 0.058 ng/u1

RT: 25.93 min Scan# 5708

Delta R.T. 0.01 min

Lab File: BN012543.D

Acq: 10 Nov 2020 22:04

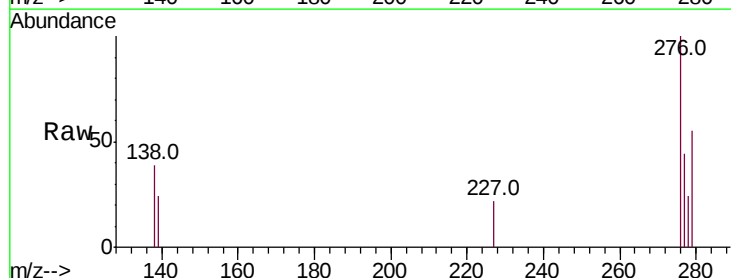
Tgt Ion:276 Resp: 679

Ion Ratio Lower Upper

276 100

138 38.8 17.1 25.7#

277 44.1 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

