

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111320\
 Data File : BN012578.D
 Acq On : 13 Nov 2020 14:16
 Operator : CG/JU
 Sample : L4485-13
 Misc : MDL-WATER06
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-06

Quant Time: Nov 13 14:45:41 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 : Fri Nov 13 11:54:51 2020
 Response via : Initial Calibration

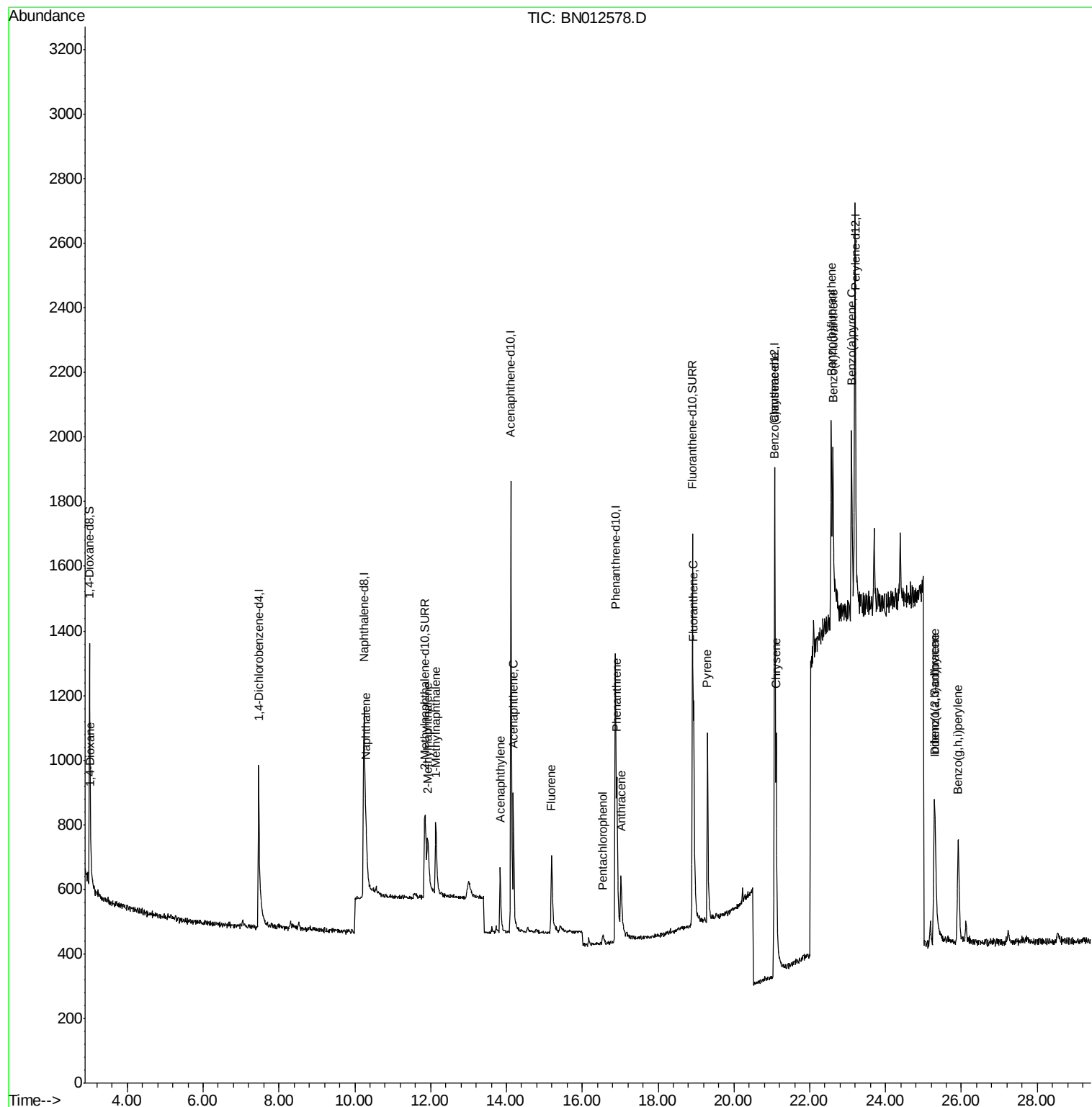
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	447	0.40	ng/ul	0.00
4) Naphthalene-d8	10.25	136	1792	0.40	ng/ul	0.02
9) Acenaphthene-d10	14.12	164	995	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.87	188	1911	0.40	ng/ul	0.00
19) Chrysene-d12	21.08	240	1715	0.40	ng/ul	0.00
23) Perylene-d12	23.19	264	1871	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.00	96	494	0.82	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.85	152	889	0.35	ng/ul	0.02
17) Fluoranthene-d10	18.91	212	1928	0.40	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.04	88	68	0.111	ng/ul#	80
5) Naphthalene	10.29	128	406	0.081	ng/ul#	47
7) 2-Methylnaphthalene	11.92	142	246	0.075	ng/ul	100
8) 1-Methylnaphthalene	12.14	142	238	0.076	ng/ul	98
10) Acenaphthylene	13.84	152	348	0.079	ng/ul#	61
11) Acenaphthene	14.18	153	301	0.080	ng/ul#	91
12) Fluorene	15.19	166	326	0.077	ng/ul#	91
14) Pentachlorophenol	16.55	266	35	0.067	ng/ul	93
15) Phenanthrene	16.92	178	492	0.078	ng/ul#	65
16) Anthracene	17.02	178	393	0.076	ng/ul#	52
18) Fluoranthene	18.94	202	679	0.097	ng/ul#	75
20) Pyrene	19.30	202	723	0.089	ng/ul#	80
21) Benzo(a)anthracene	21.06	228	533	0.085	ng/ul#	82
22) Chrysene	21.11	228	724	0.096	ng/ul#	88
24) Benzo(b)fluoranthene	22.57	252	751	0.094	ng/ul#	37
25) Benzo(k)fluoranthene	22.61	252	753	0.082	ng/ul#	45
26) Benzo(a)pyrene	23.10	252	745	0.099	ng/ul#	12
27) Indeno(1,2,3-cd)pyrene	25.29	276	874	0.088	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.30	278	659	0.083	ng/ul#	28
29) Benzo(a,h,i)perylene	25.91	276	820	0.090	ng/ul#	80

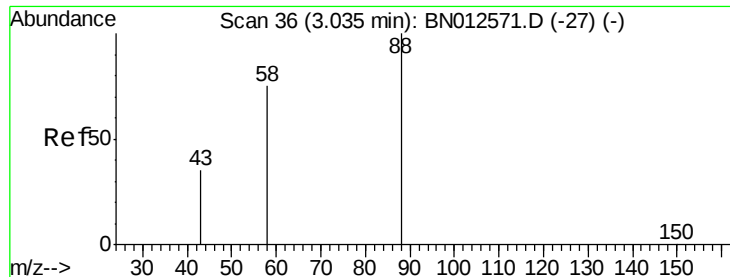
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.111 ng/ul

RT: 3.04 min Scan# 37

Delta R.T. 0.00 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-06

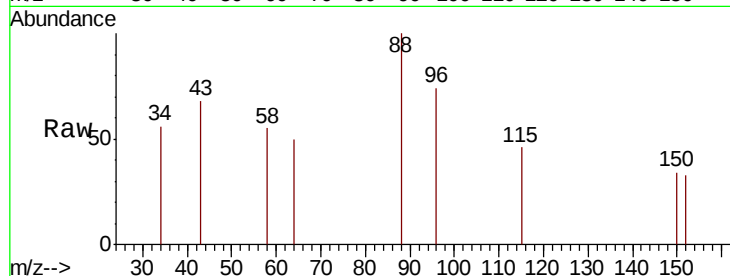
Tot Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 68.0 42.7 64.1#

58 55.1 57.3 85.9#

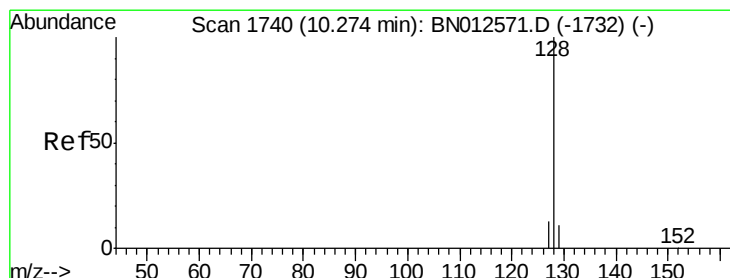
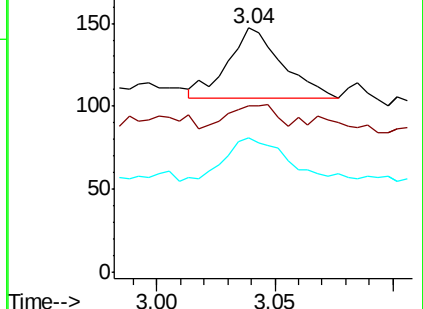
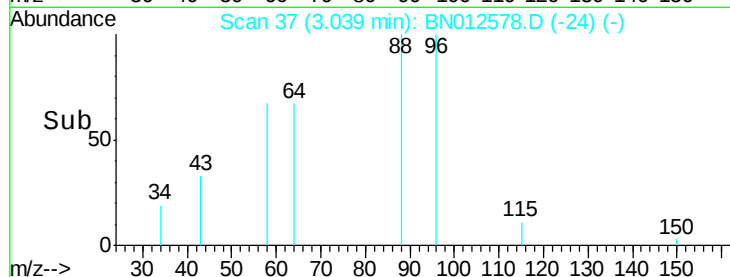


Abundance Ion 88.00 (87.70 to 88.70): BN012571.D (-27) (-)

Ion 43.00 (42.70 to 43.70): BN012571.D (-27) (-)

Ion 58.00 (57.70 to 58.70): BN012571.D (-27) (-)

Time-->



#5

Naphthalene

Concen: 0.081 ng/ul

RT: 10.29 min Scan# 1743

Delta R.T. 0.02 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

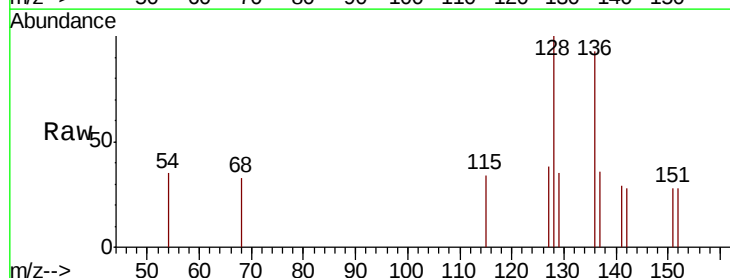
Tgt Ion: 128 Resp: 406

Ion Ratio Lower Upper

128 100

129 35.3 11.1 16.7#

127 38.3 12.6 18.8#

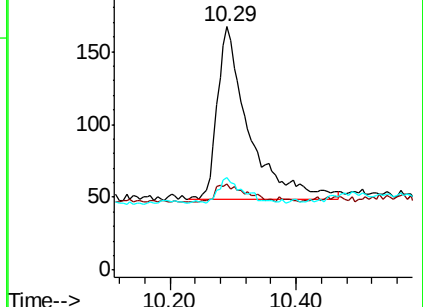
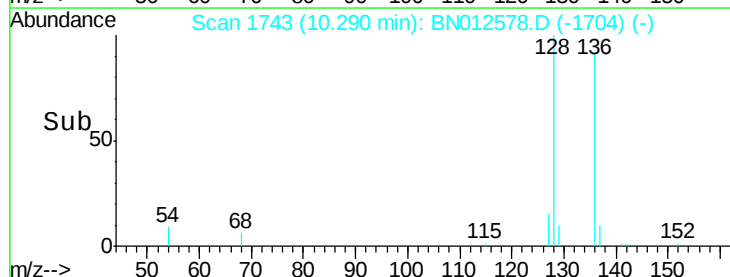


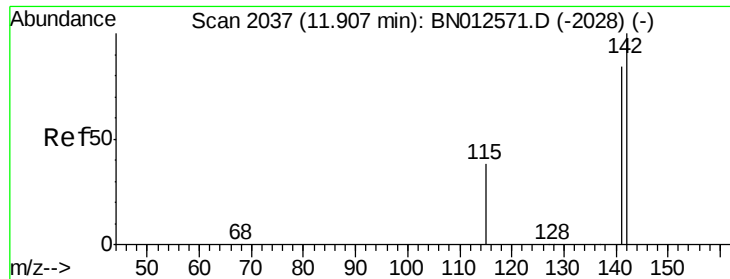
Abundance Ion 128.00 (127.70 to 128.70): BN012571.D (-1732) (-)

Ion 129.00 (128.70 to 129.70): BN012571.D (-1732) (-)

Ion 127.00 (126.70 to 127.70): BN012571.D (-1732) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.075 ng/ul

RT: 11.92 min Scan# 2040

Delta R.T. 0.02 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

Instrument :

BNA_N

ClientSampleId :

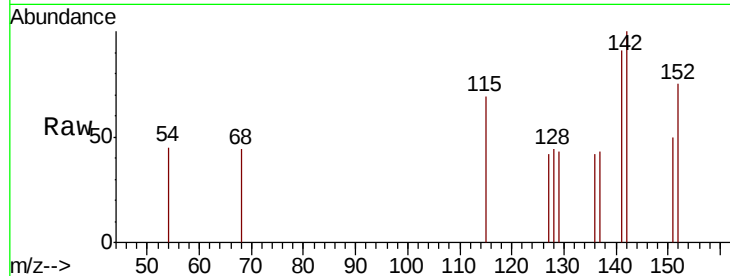
MDL-WATER-06

Tot Ion:142 Resp: 246

Ion Ratio Lower Upper

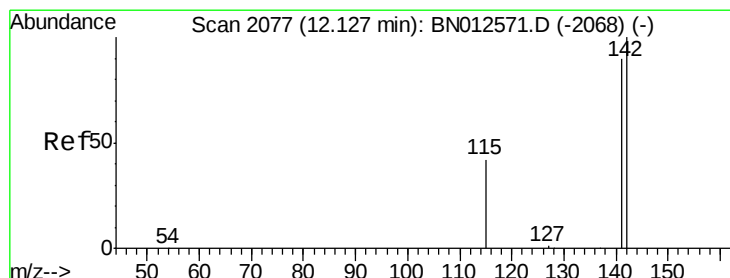
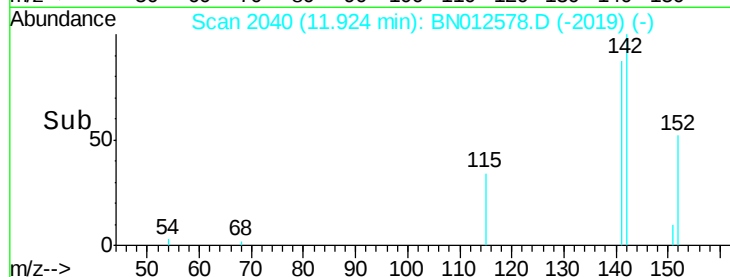
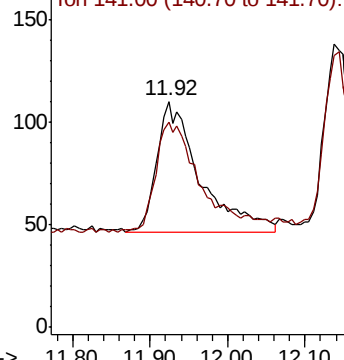
142 100

141 90.2 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: 0.076 ng/ul

RT: 12.14 min Scan# 2079

Delta R.T. 0.01 min

Lab File: BN012578.D

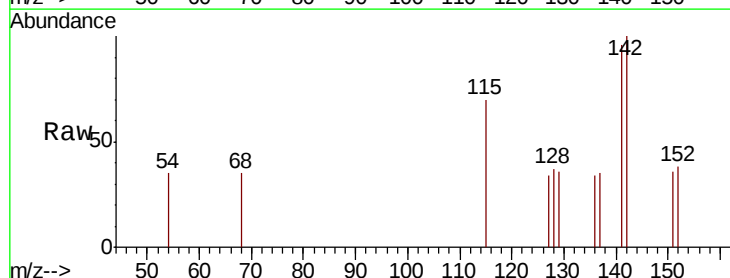
Acq: 13 Nov 2020 14:16

Tgt Ion:142 Resp: 238

Ion Ratio Lower Upper

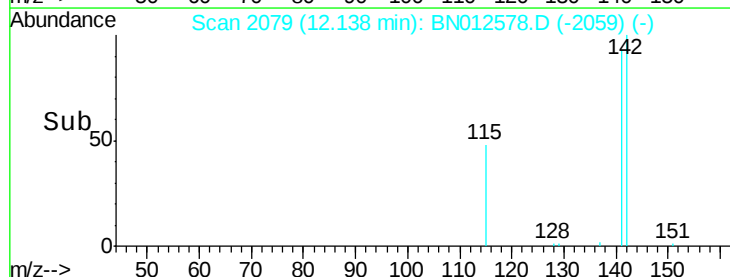
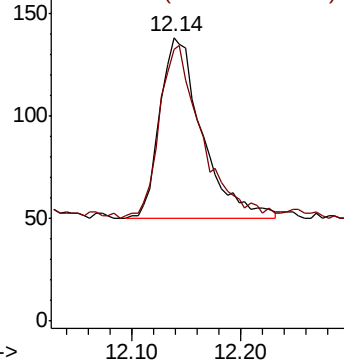
142 100

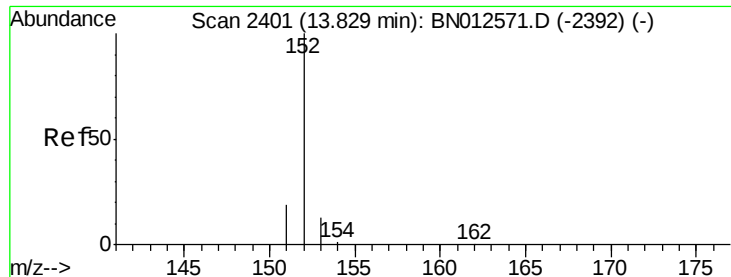
141 95.8 75.3 112.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.079 ng/ul

RT: 13.84 min Scan# 2403

Delta R.T. 0.01 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-06

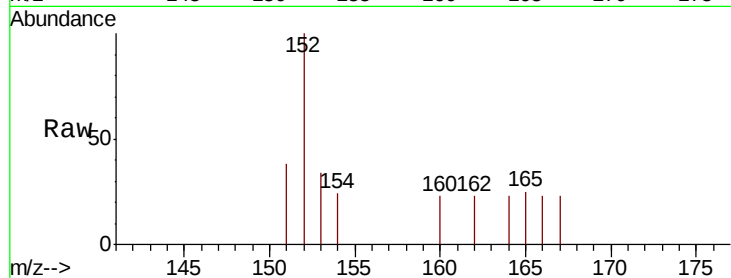
Tot Ion:152 Resp: 348

Ion Ratio Lower Upper

152 100

151 38.0 17.0 25.4#

153 34.0 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

13.84

200

150

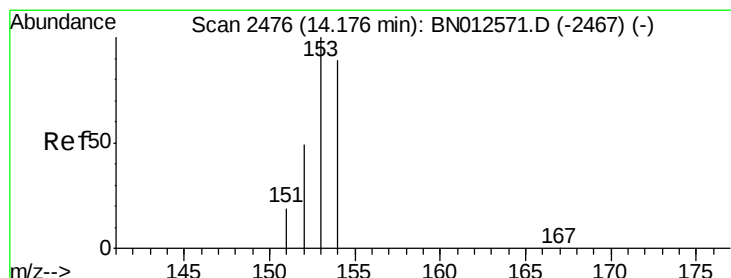
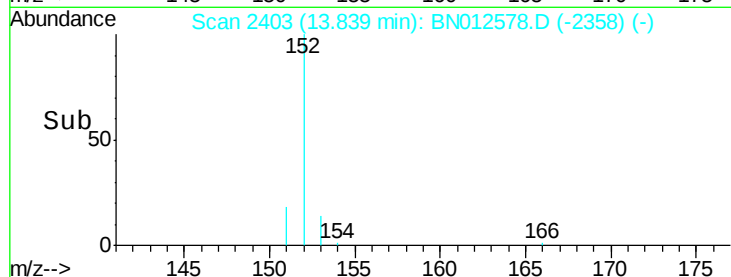
100

50

0

Time-->

13.80 13.90



#11

Acenaphthene

Concen: 0.080 ng/ul

RT: 14.18 min Scan# 2477

Delta R.T. 0.00 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

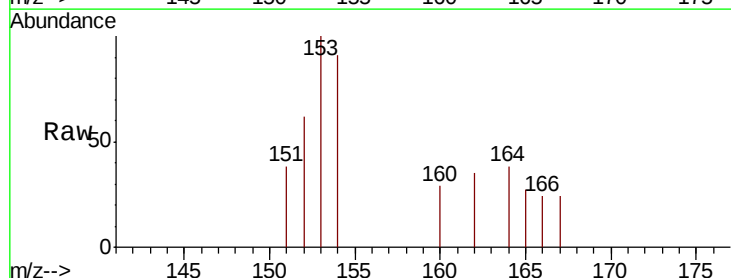
Tgt Ion:153 Resp: 301

Ion Ratio Lower Upper

153 100

152 62.0 39.9 59.9#

154 91.1 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

14.18

200

150

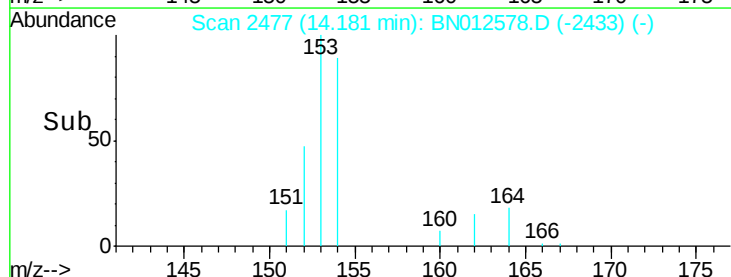
100

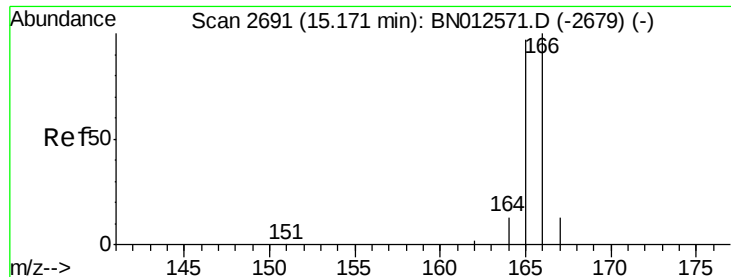
50

0

Time-->

14.10 14.20 14.30





#12

Fluorene

Concen: 0.077 ng/ul

RT: 15.19 min Scan# 2695

Delta R.T. 0.02 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-06

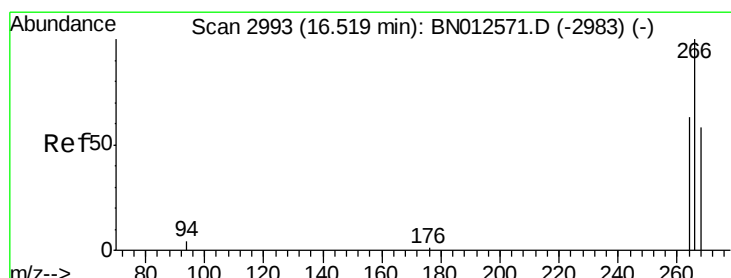
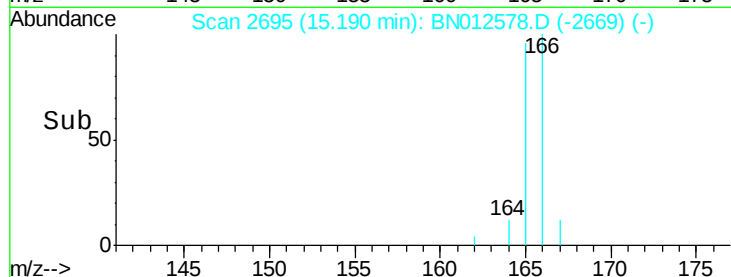
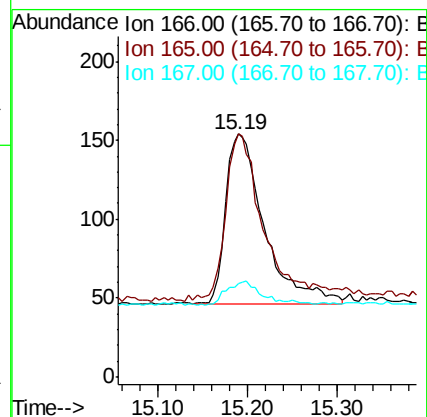
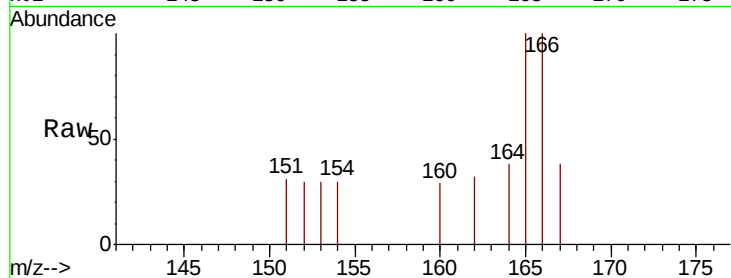
Tot Ion:166 Resp: 326

Ion Ratio Lower Upper

166 100

165 100.0 78.6 117.8

167 38.3 12.6 19.0#



#14

Pentachlorophenol

Concen: 0.067 ng/ul

RT: 16.55 min Scan# 3001

Delta R.T. 0.03 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

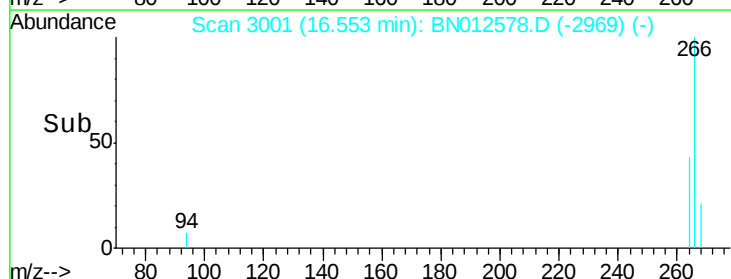
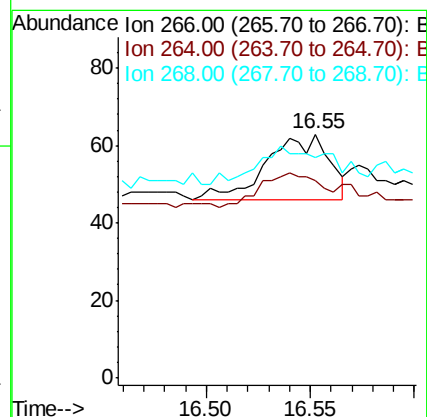
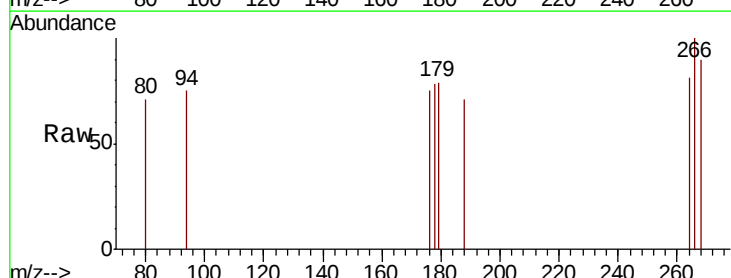
Tgt Ion:266 Resp: 35

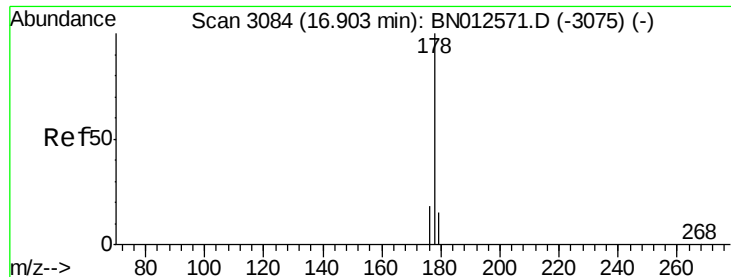
Ion Ratio Lower Upper

266 100

264 51.4 48.6 73.0

268 71.4 55.2 82.8





#15

Phenanthrene

Concen: 0.078 ng/ul

RT: 16.92 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-06

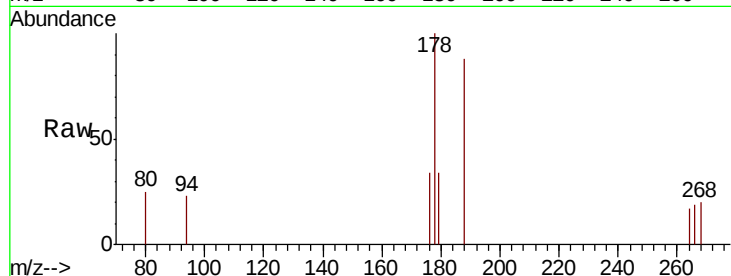
Tot Ion:178 Resp: 492

Ion Ratio Lower Upper

178 100

179 33.6 13.0 19.6#

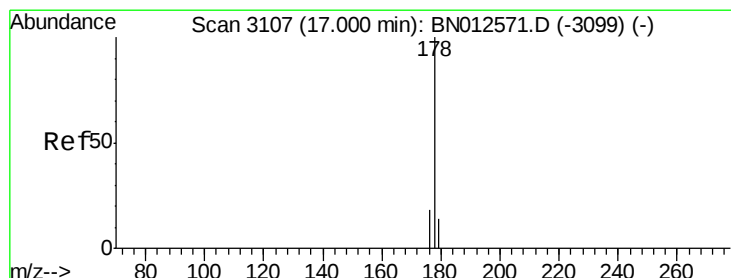
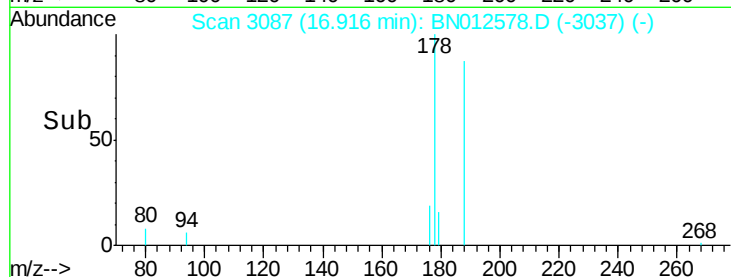
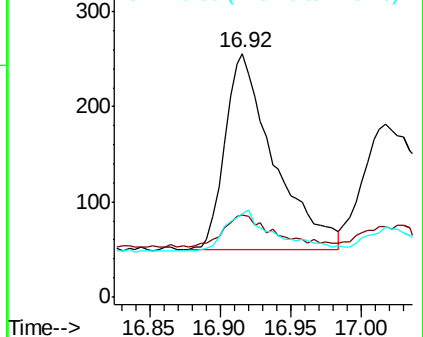
176 34.0 15.8 23.8#



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: 0.076 ng/ul

RT: 17.02 min Scan# 3111

Delta R.T. 0.02 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

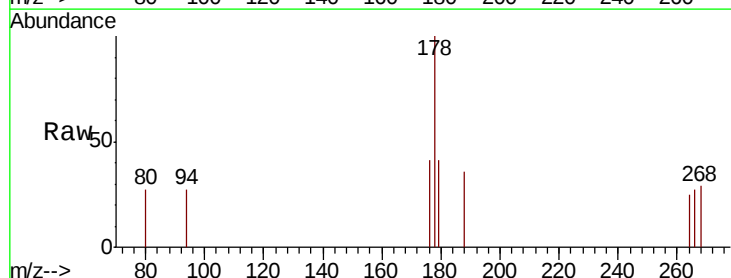
Tgt Ion:178 Resp: 393

Ion Ratio Lower Upper

178 100

179 40.7 14.2 21.4#

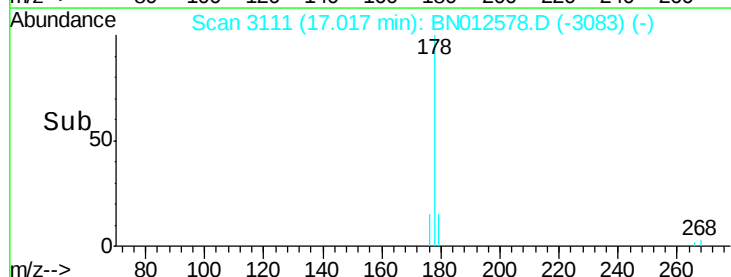
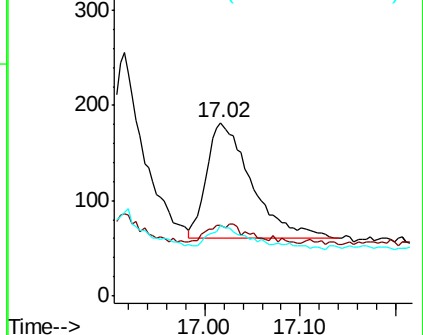
176 40.7 15.9 23.9#

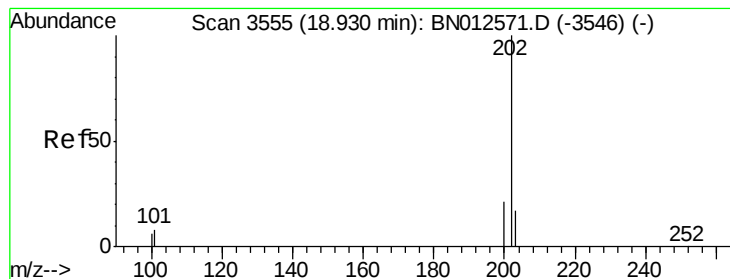


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.097 ng/ul

RT: 18.94 min Scan# 3557

Delta R.T. 0.01 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-06

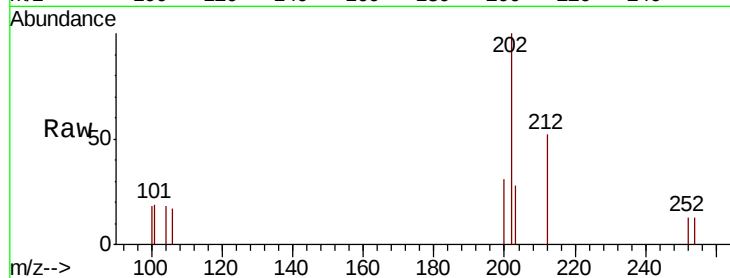
Tot Ion:202 Resp: 679

Ion Ratio Lower Upper

202 100

101 19.3 8.2 12.2#

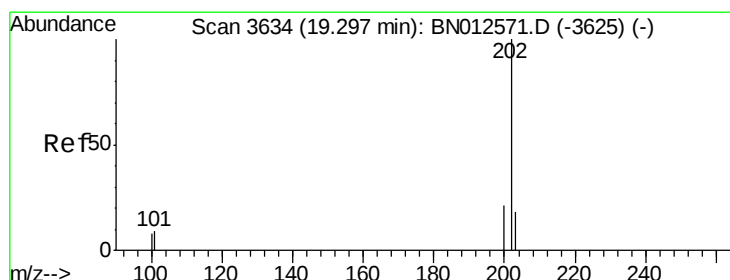
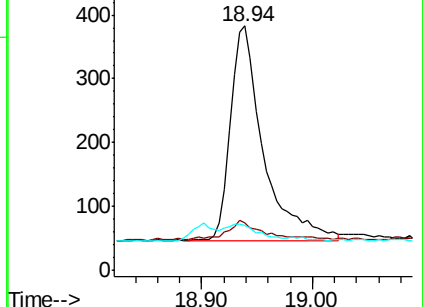
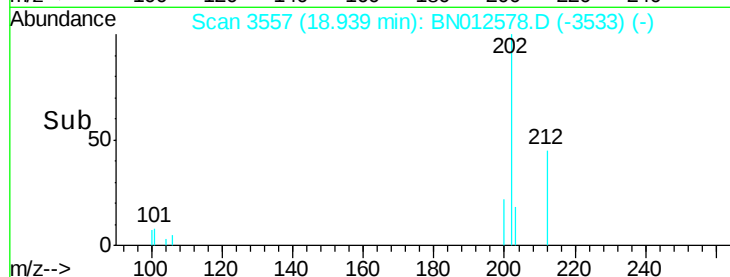
100 18.0 6.9 10.3#



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: 0.089 ng/ul

RT: 19.30 min Scan# 3635

Delta R.T. 0.00 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

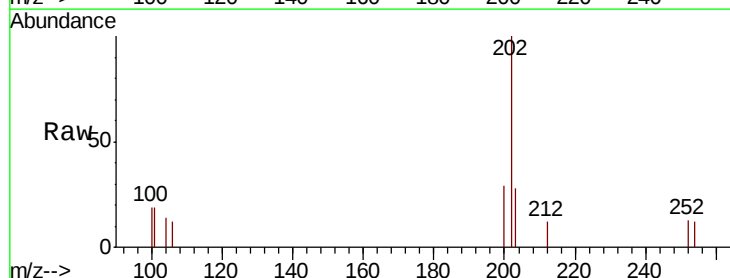
Tgt Ion:202 Resp: 723

Ion Ratio Lower Upper

202 100

101 19.3 9.4 14.2#

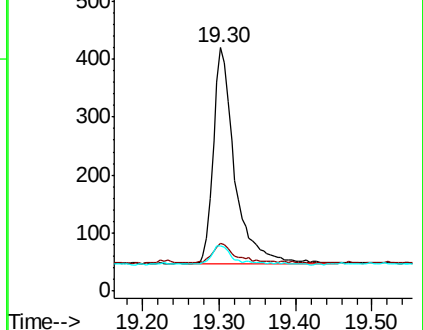
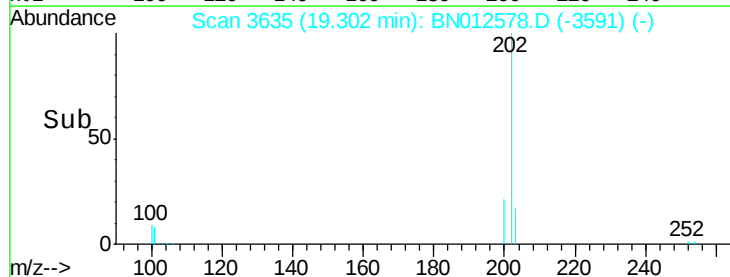
100 18.6 8.6 12.8#

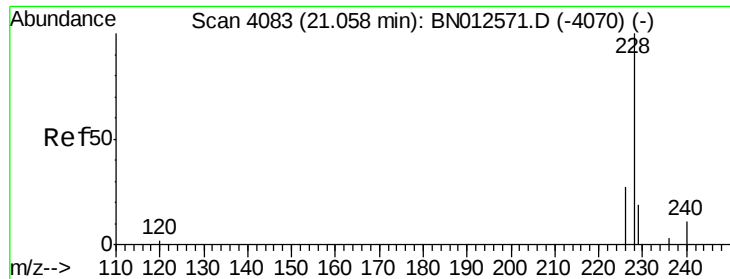


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.085 ng/ul

RT: 21.06 min Scan# 4085

Delta R.T. 0.01 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-06

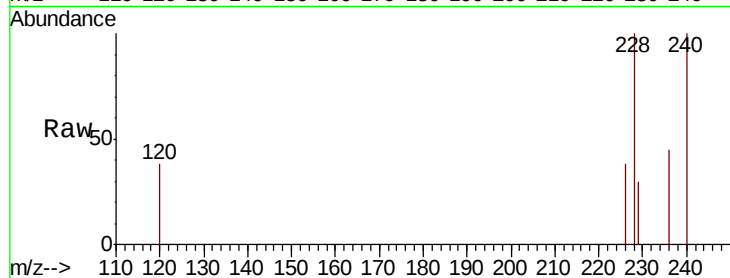
Tot Ion:228 Resp: 533

Ion Ratio Lower Upper

228 100

229 30.0 16.6 25.0#

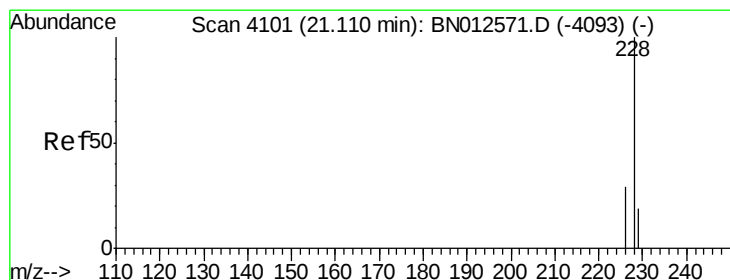
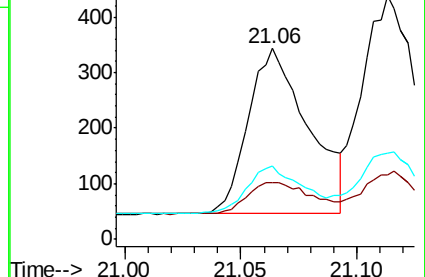
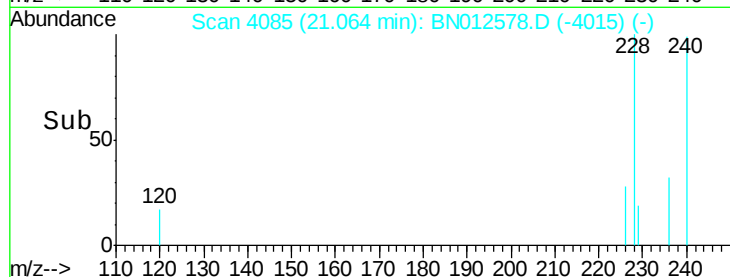
226 38.5 23.5 35.3#



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: 0.096 ng/ul

RT: 21.11 min Scan# 4102

Delta R.T. 0.00 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

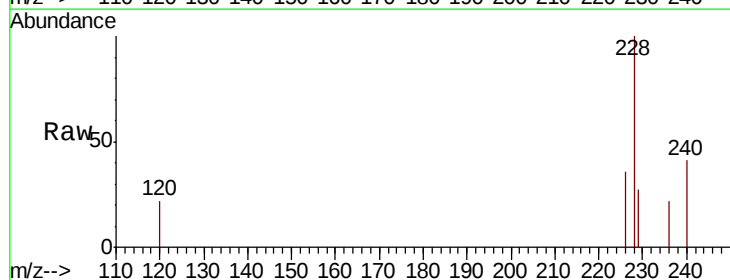
Tgt Ion:228 Resp: 724

Ion Ratio Lower Upper

228 100

226 35.6 23.9 35.9

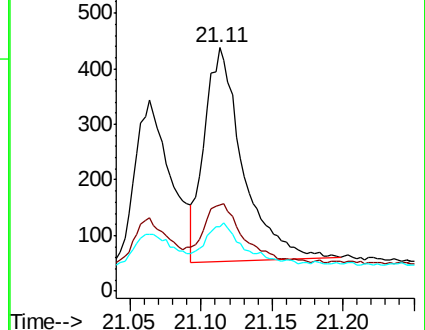
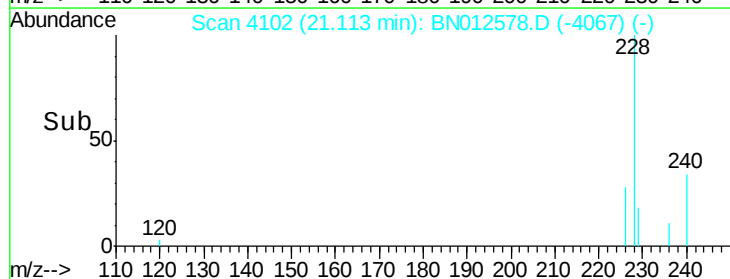
229 26.7 16.6 24.8#

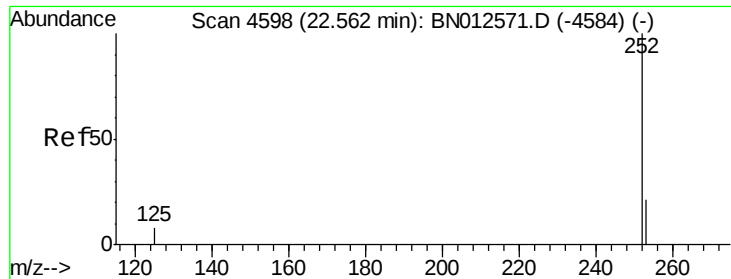


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 0.094 ng/ul

RT: 22.57 min Scan# 4600

Delta R.T. 0.01 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-06

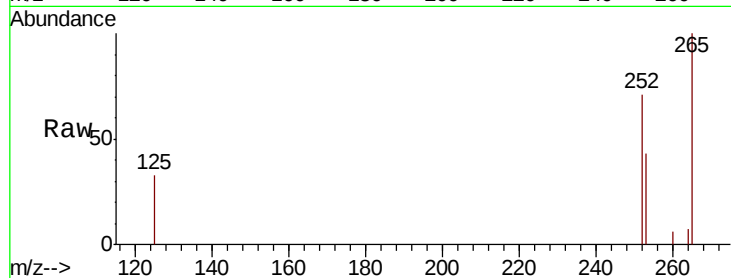
Tot Ion:252 Resp: 751

Ion Ratio Lower Upper

252 100

253 60.3 0.0 59.2#

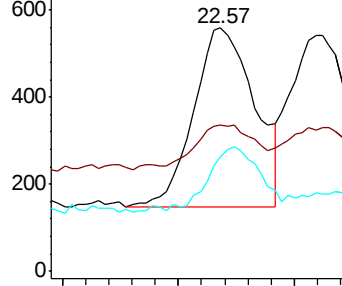
125 46.9 0.0 30.2#



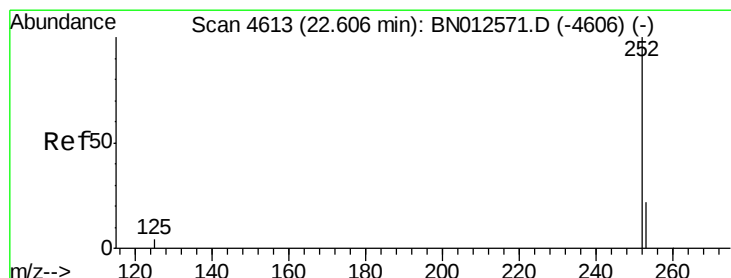
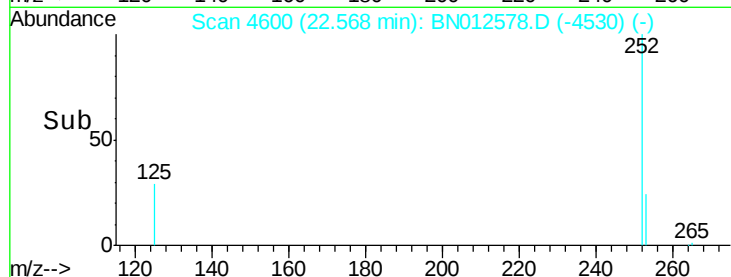
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#25

Benzo(k)fluoranthene

Concen: 0.082 ng/ul

RT: 22.61 min Scan# 4614

Delta R.T. 0.00 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

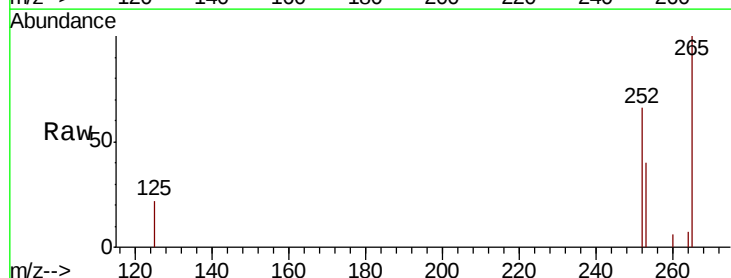
Tgt Ion:252 Resp: 753

Ion Ratio Lower Upper

252 100

253 59.9 23.3 34.9#

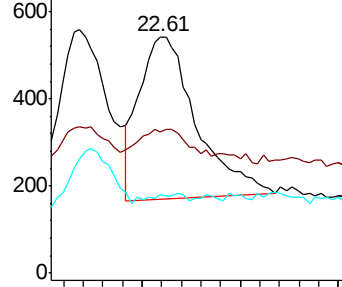
125 33.0 10.6 15.8#



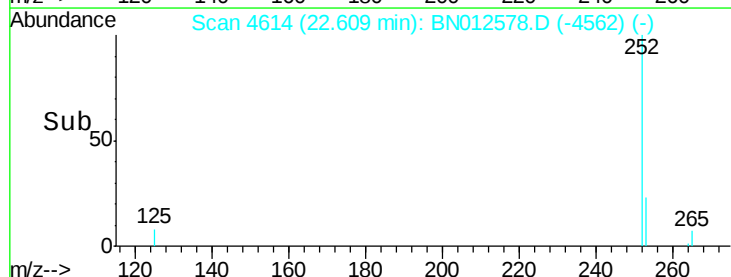
Abundance Ion 252.00 (251.70 to 252.70): E

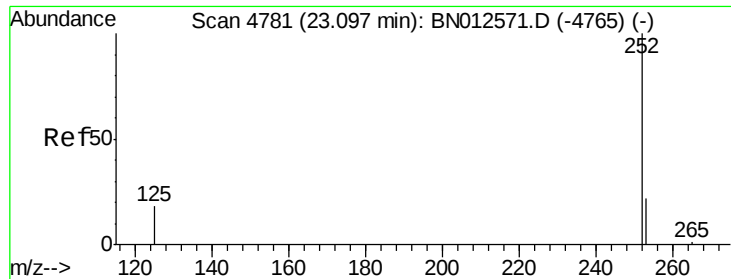
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#26

Benzo(a)pyrene

Concen: 0.099 ng/u1

RT: 23.10 min Scan# 4783

Delta R.T. 0.01 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-06

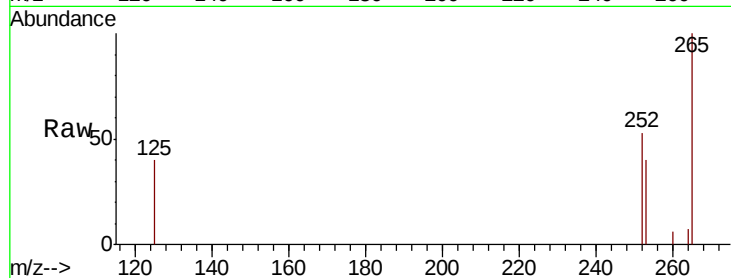
Tot Ion:252 Resp: 745

Ion Ratio Lower Upper

252 100

253 75.6 27.4 41.0#

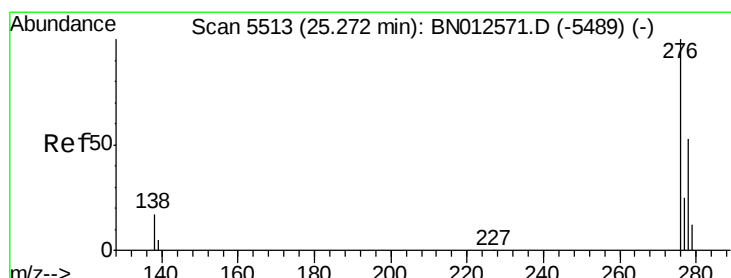
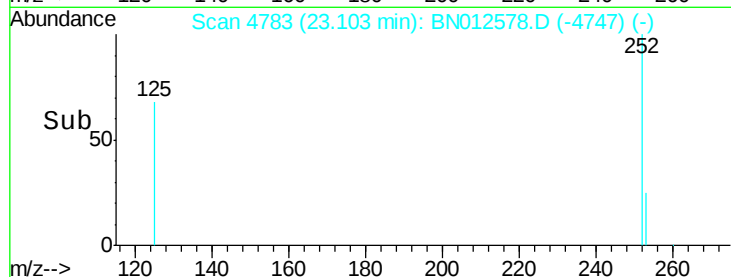
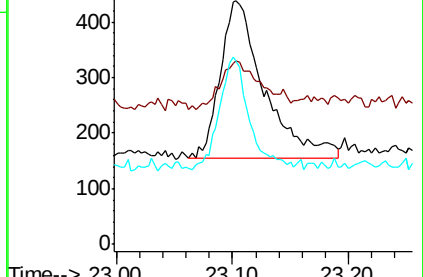
125 75.6 17.7 26.5#



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: 0.088 ng/u1

RT: 25.29 min Scan# 5517

Delta R.T. 0.01 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

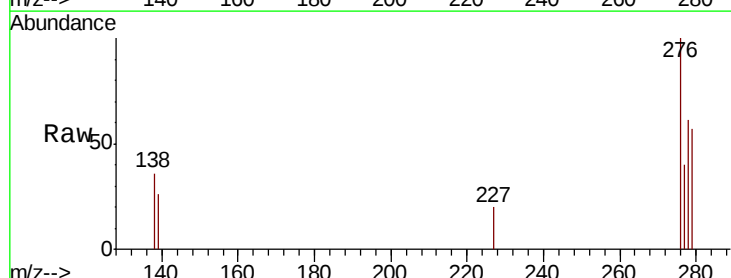
Tgt Ion:276 Resp: 874

Ion Ratio Lower Upper

276 100

138 17.8 16.3 24.5

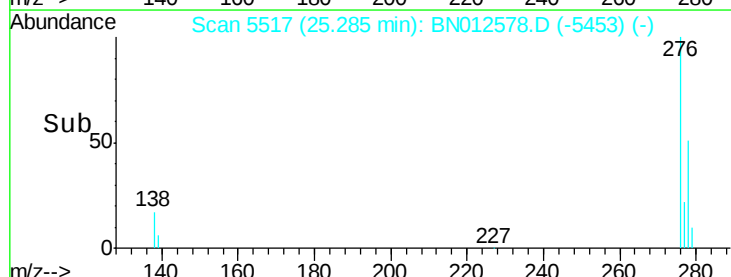
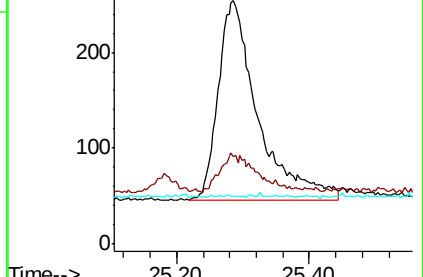
227 0.5 0.1 0.1#

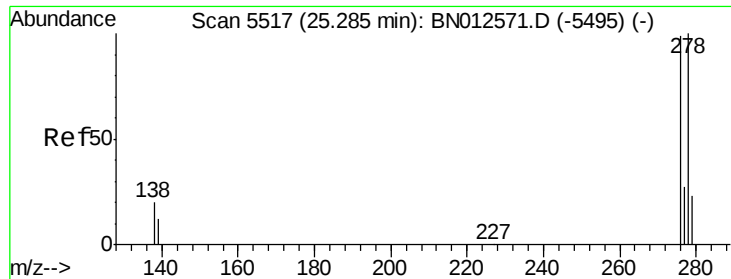


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.083 ng/ul

RT: 25.30 min Scan# 5522

Delta R.T. 0.02 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-06

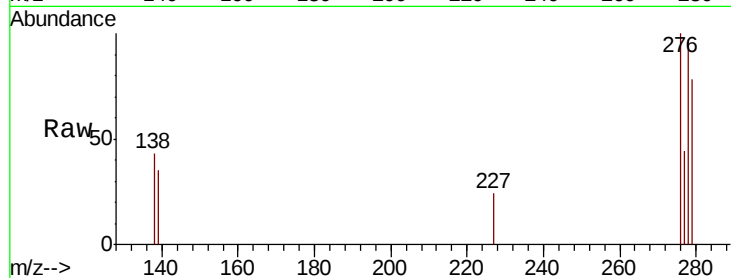
Tot Ion:278 Resp: 659

Ion Ratio Lower Upper

278 100

139 36.3 13.4 20.2#

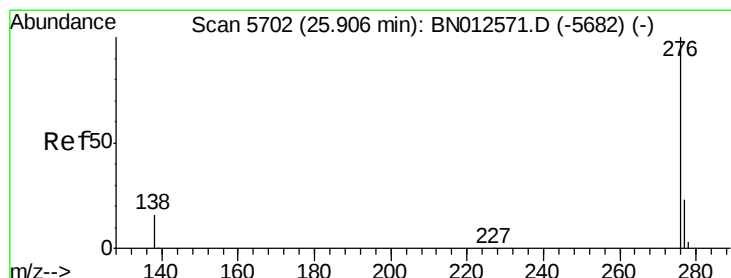
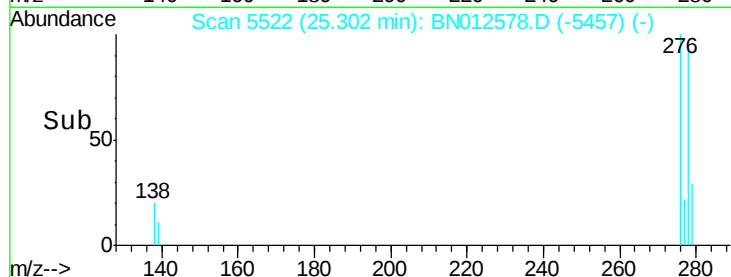
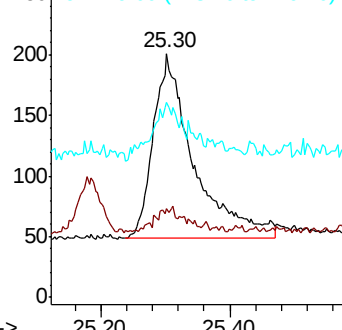
279 80.1 25.8 38.6#



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



#29

Benzo(g,h,i)perylene

Concen: 0.090 ng/ul

RT: 25.91 min Scan# 5704

Delta R.T. 0.01 min

Lab File: BN012578.D

Acq: 13 Nov 2020 14:16

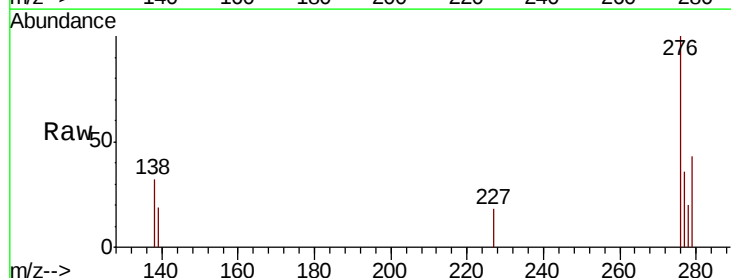
Tgt Ion:276 Resp: 820

Ion Ratio Lower Upper

276 100

138 32.0 17.1 25.7#

277 36.3 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

