

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111320\
 Data File : BN012579.D
 Acq On : 13 Nov 2020 14:52
 Operator : CG/JU
 Sample : L4485-14
 Misc : MDL-WATER07
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-07

Quant Time: Nov 13 15:21:54 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

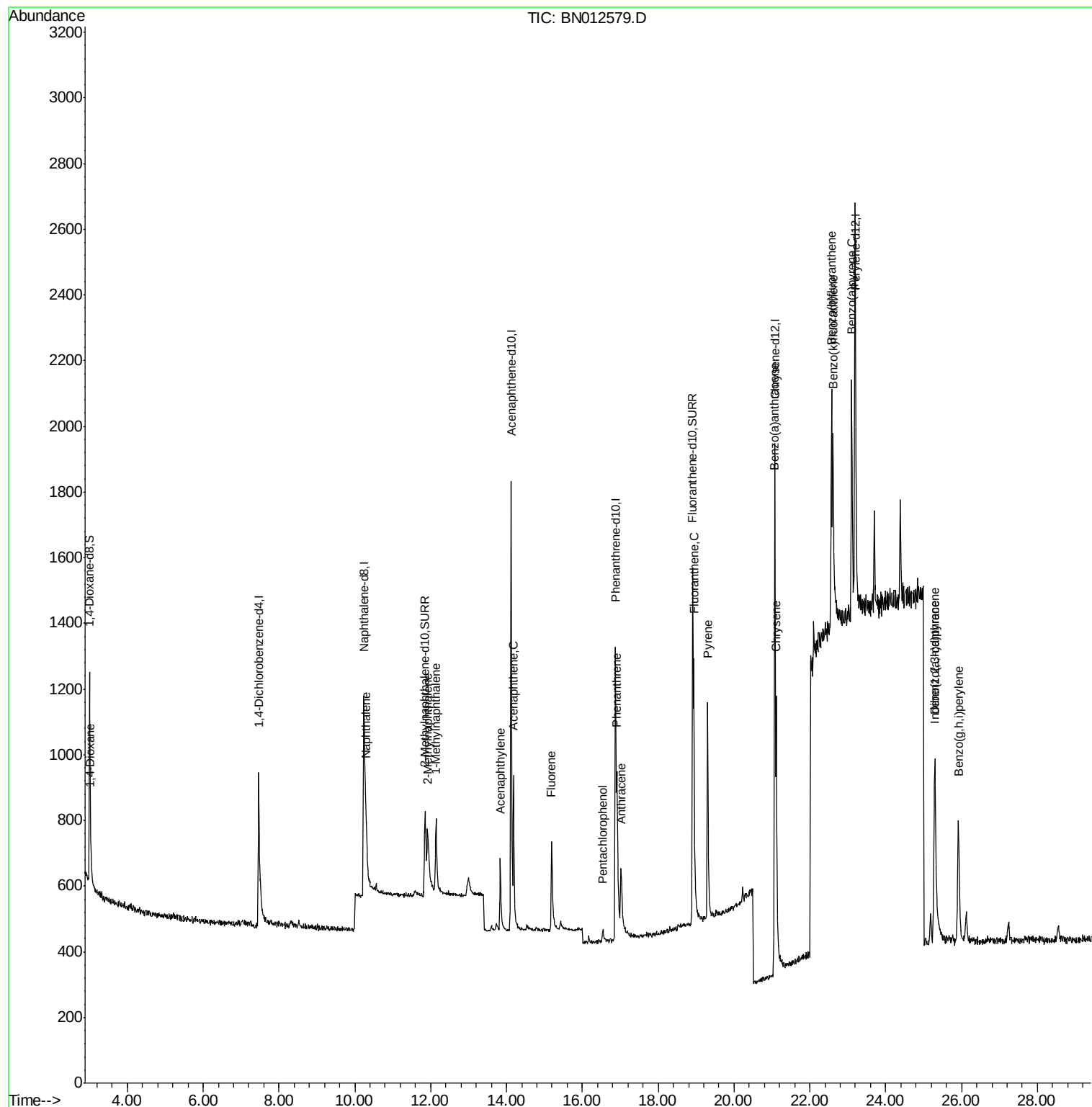
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	441	0.40	ng/ul	0.00
4) Naphthalene-d8	10.24	136	1740	0.40	ng/ul	0.02
9) Acenaphthene-d10	14.12	164	974	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.87	188	1906	0.40	ng/ul	0.00
19) Chrysene-d12	21.08	240	1678	0.40	ng/ul	0.00
23) Perylene-d12	23.19	264	1873	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.00	96	421	0.71	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.85	152	804	0.33	ng/ul	0.02
17) Fluoranthene-d10	18.91	212	1797	0.38	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.04	88	74	0.123	ng/ul#	82
5) Naphthalene	10.30	128	423	0.086	ng/ul#	51
7) 2-Methylnaphthalene	11.92	142	275	0.087	ng/ul	99
8) 1-Methylnaphthalene	12.14	142	260	0.086	ng/ul	94
10) Acenaphthylene	13.83	152	383	0.089	ng/ul#	65
11) Acenaphthene	14.18	153	326	0.088	ng/ul	94
12) Fluorene	15.19	166	339	0.082	ng/ul#	92
14) Pentachlorophenol	16.54	266	39	0.075	ng/ul	98
15) Phenanthrene	16.92	178	551	0.087	ng/ul#	69
16) Anthracene	17.02	178	380	0.073	ng/ul#	56
18) Fluoranthene	18.94	202	761	0.109	ng/ul#	79
20) Pyrene	19.30	202	789	0.100	ng/ul#	80
21) Benzo(a)anthracene	21.06	228	580	0.095	ng/ul#	80
22) Chrysene	21.12	228	798	0.108	ng/ul#	90
24) Benzo(b)fluoranthene	22.57	252	799	0.100	ng/ul#	41
25) Benzo(k)fluoranthene	22.61	252	929	0.101	ng/ul#	49
26) Benzo(a)pyrene	23.10	252	846	0.112	ng/ul#	9
27) Indeno(1,2,3-cd)pyrene	25.28	276	928	0.094	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.30	278	738	0.093	ng/ul#	42
29) Benzo(a,h,i)perylene	25.92	276	899	0.098	ng/ul#	78

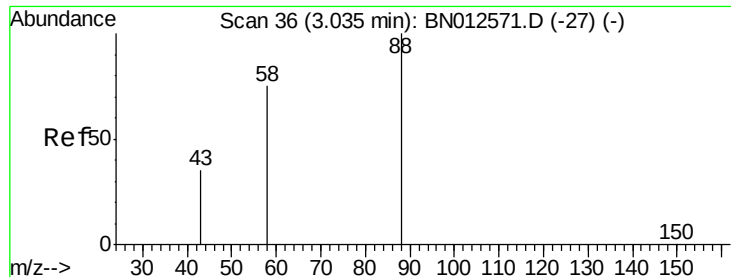
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.123 ng/ul

RT: 3.04 min Scan# 37

Delta R.T. 0.00 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-07

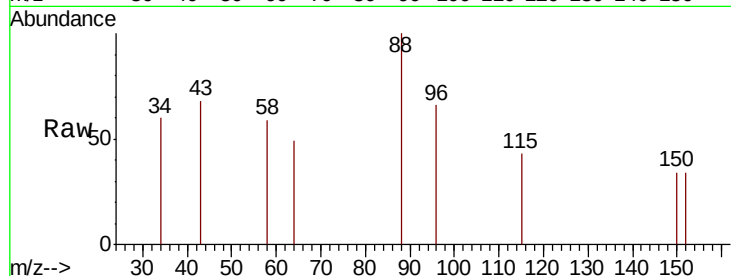
Tot Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 68.5 42.7 64.1#

58 58.9 57.3 85.9

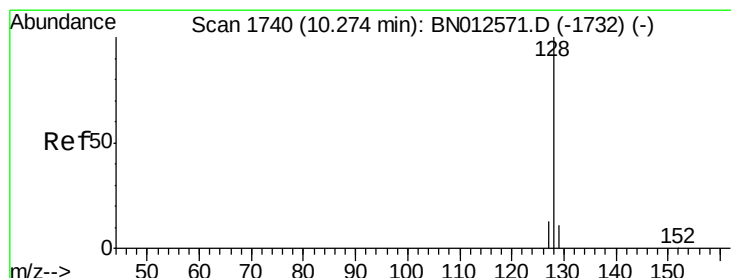
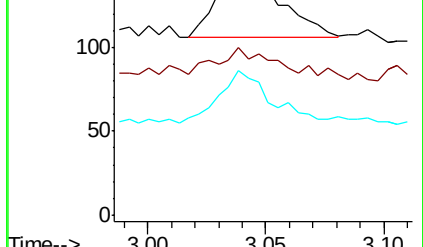
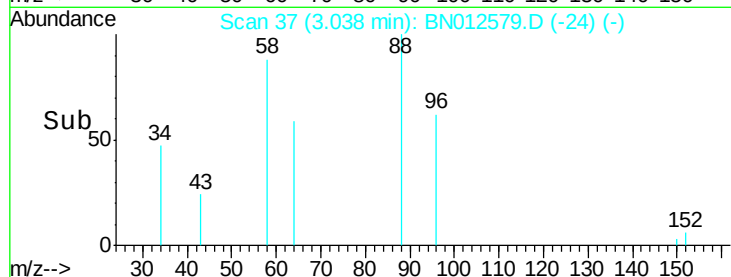


Abundance Ion 88.00 (87.70 to 88.70): BN012571.D (-27) (-)

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: 0.086 ng/ul

RT: 10.30 min Scan# 1744

Delta R.T. 0.02 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

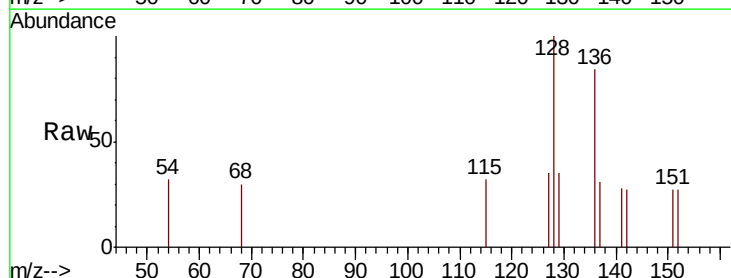
Tgt Ion: 128 Resp: 423

Ion Ratio Lower Upper

128 100

129 35.5 11.1 16.7#

127 34.9 12.6 18.8#

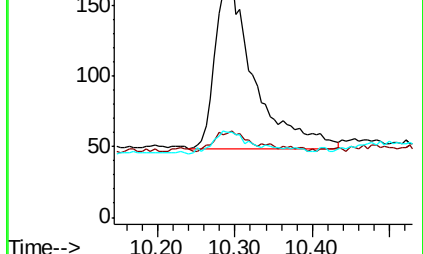
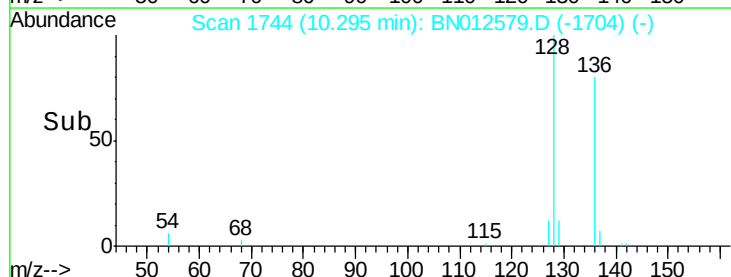


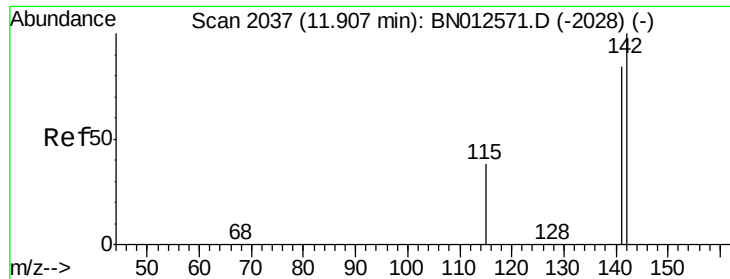
Abundance Ion 128.00 (127.70 to 128.70): BN012571.D (-1732) (-)

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: 0.087 ng/ul

RT: 11.92 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

Instrument :

BNA_N

ClientSampleId :

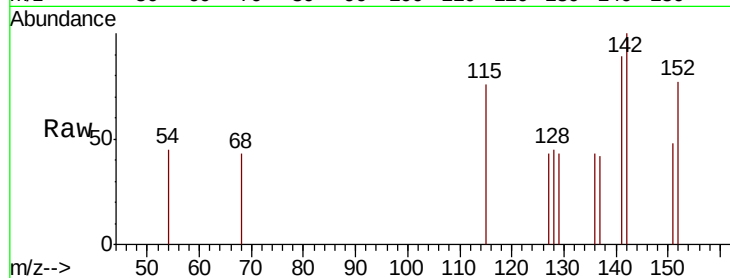
MDL-WATER-07

Tot Ion:142 Resp: 275

Ion Ratio Lower Upper

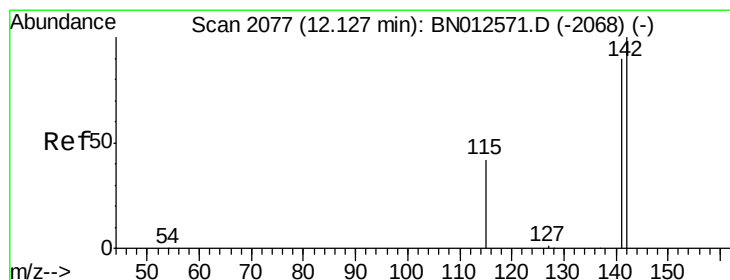
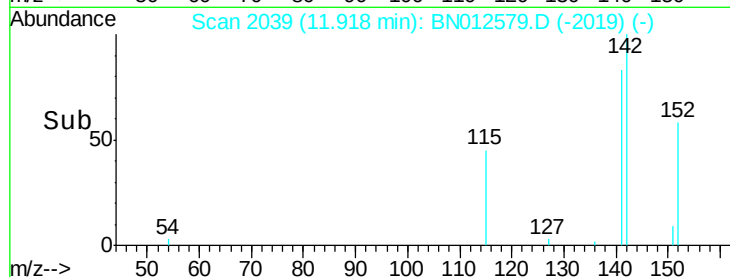
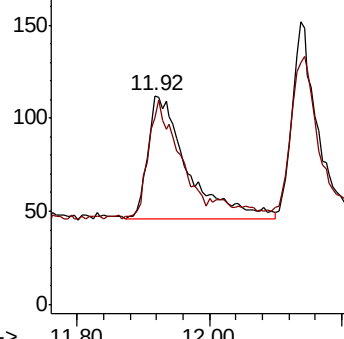
142 100

141 89.5 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: 0.086 ng/ul

RT: 12.14 min Scan# 2079

Delta R.T. 0.01 min

Lab File: BN012579.D

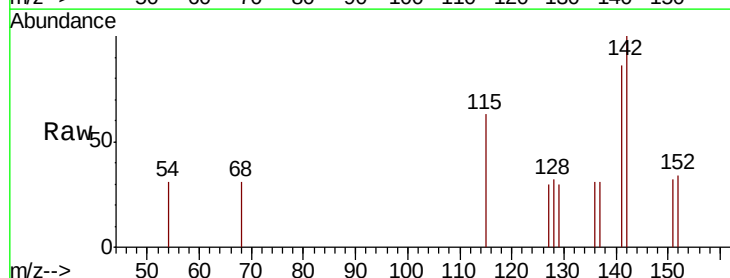
Acq: 13 Nov 2020 14:52

Tgt Ion:142 Resp: 260

Ion Ratio Lower Upper

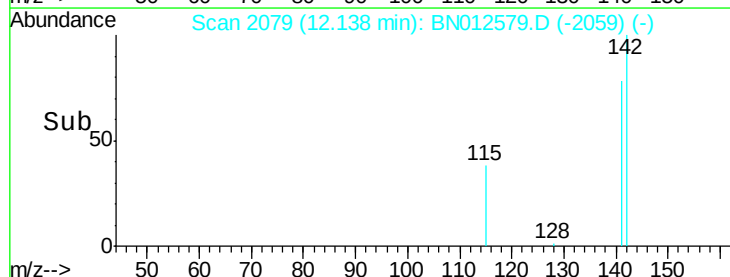
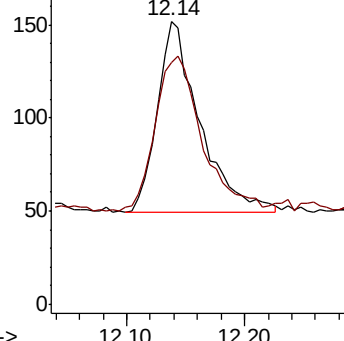
142 100

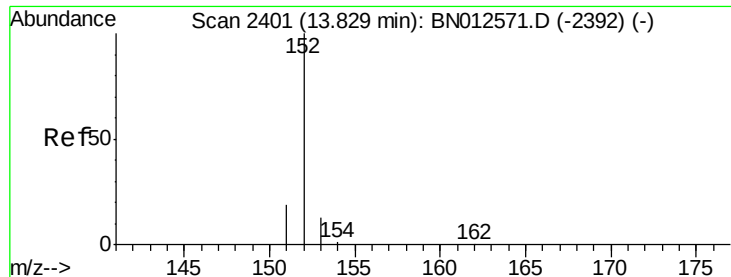
141 88.5 75.3 112.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.089 ng/ul

RT: 13.83 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-07

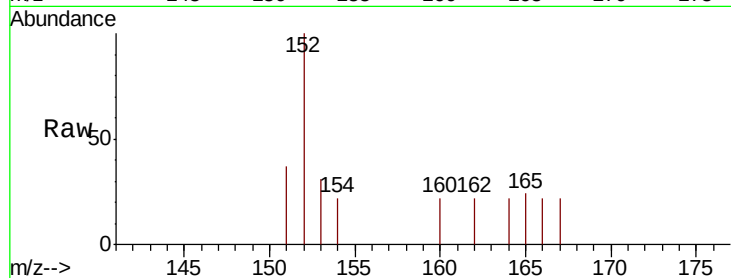
Tot Ion:152 Resp: 383

Ion Ratio Lower Upper

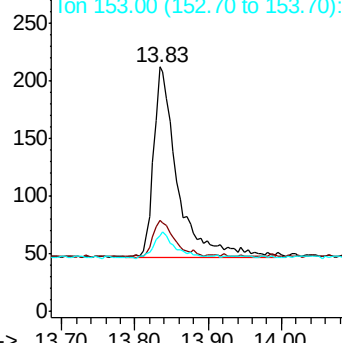
152 100

151 37.3 17.0 25.4#

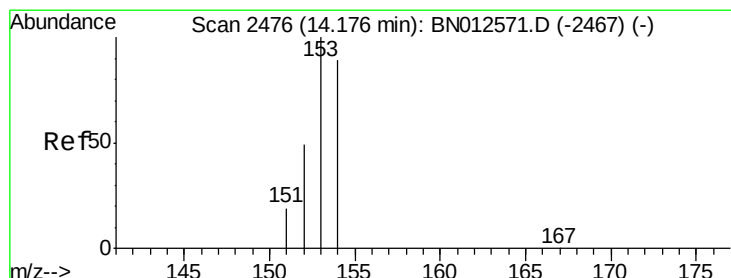
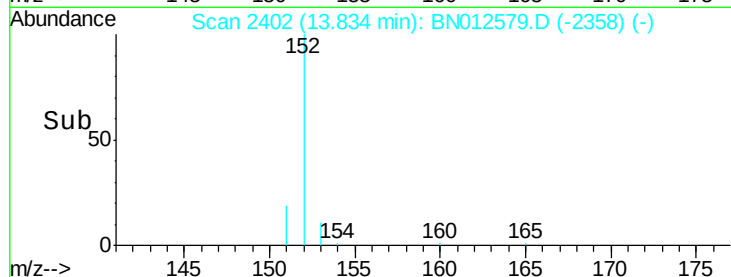
153 30.7 12.5 18.7#



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



Time--> 13.70 13.80 13.90 14.00



#11

Acenaphthene

Concen: 0.088 ng/ul

RT: 14.18 min Scan# 2477

Delta R.T. 0.00 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

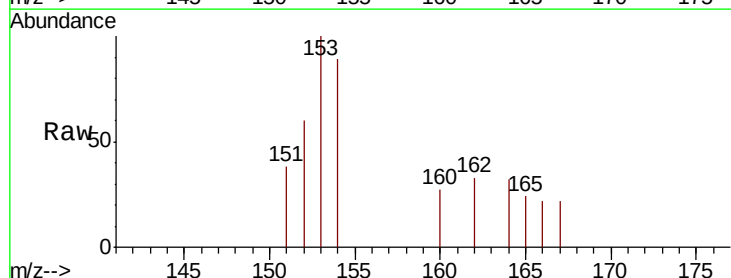
Tgt Ion:153 Resp: 326

Ion Ratio Lower Upper

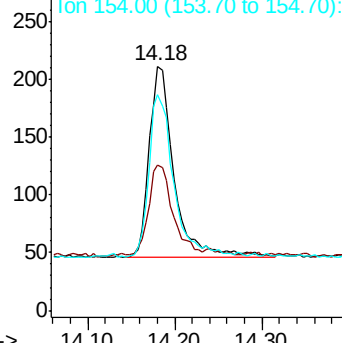
153 100

152 59.7 39.9 59.9

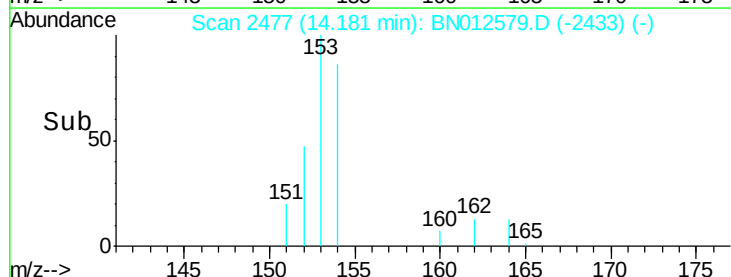
154 88.6 69.9 104.9

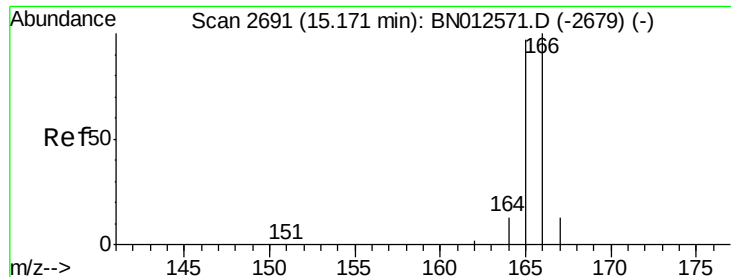


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time--> 14.10 14.20 14.30





#12

Fluorene

Concen: 0.082 ng/ul

RT: 15.19 min Scan# 2695

Delta R.T. 0.02 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-07

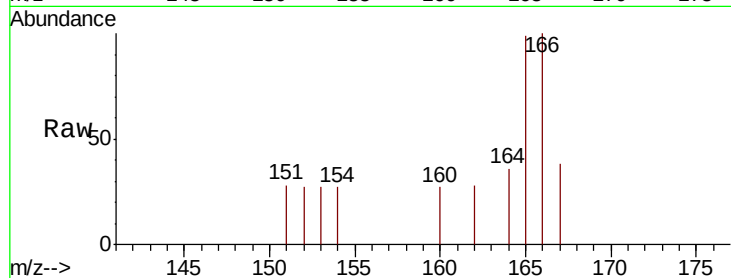
Tot Ion:166 Resp: 339

Ion Ratio Lower Upper

166 100

165 98.8 78.6 117.8

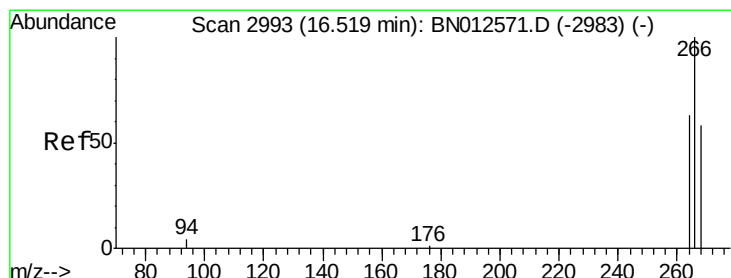
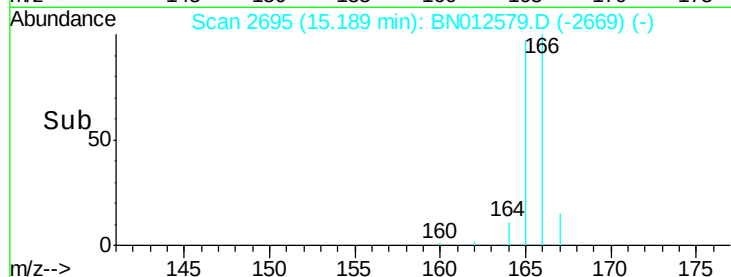
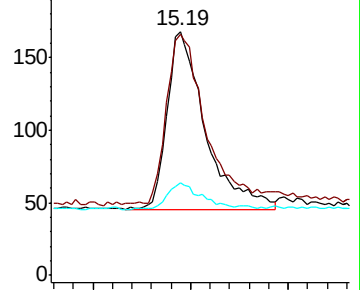
167 38.1 12.6 19.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#14

Pentachlorophenol

Concen: 0.075 ng/ul

RT: 16.54 min Scan# 2998

Delta R.T. 0.02 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

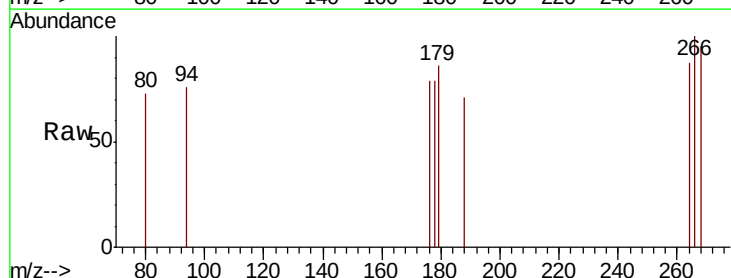
Tgt Ion:266 Resp: 39

Ion Ratio Lower Upper

266 100

264 61.5 48.6 73.0

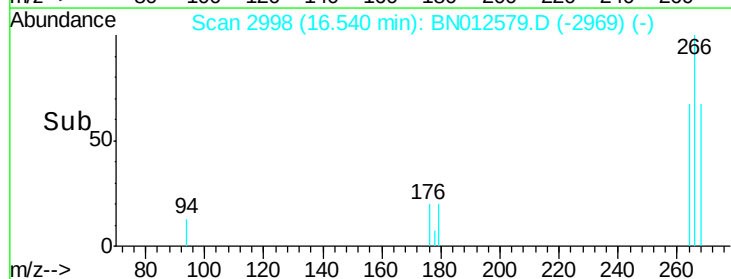
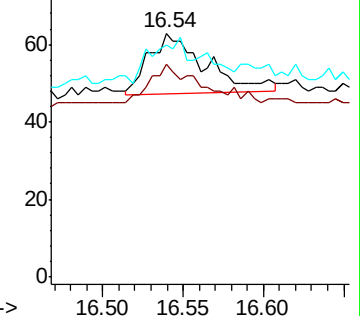
268 71.8 55.2 82.8

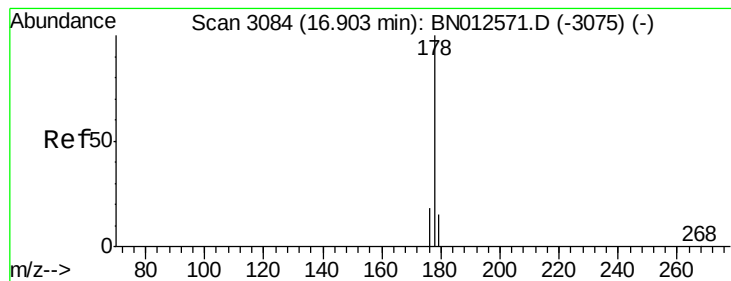


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.087 ng/ul

RT: 16.92 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

Instrument :

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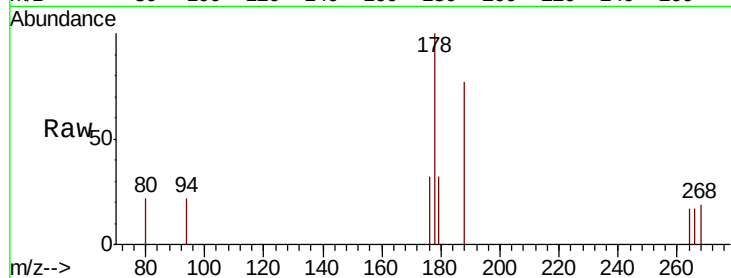
Tot Ion:178 Resp: 551

Ion Ratio Lower Upper

178 100

179 31.8 13.0 19.6#

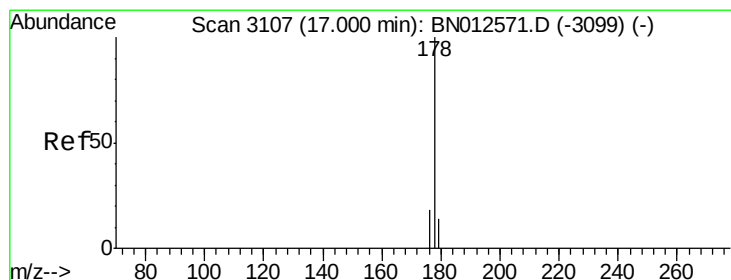
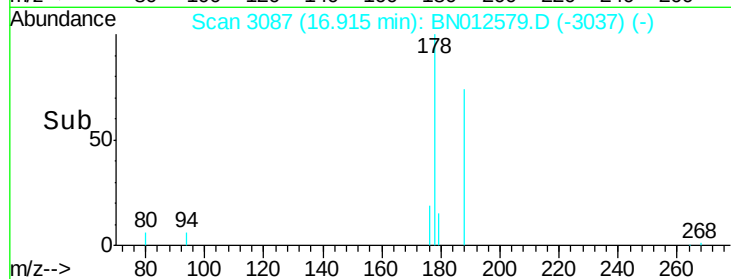
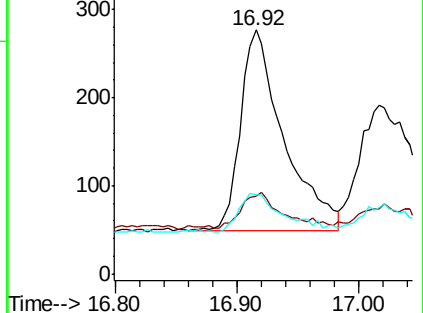
176 32.1 15.8 23.8#



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: 0.073 ng/ul

RT: 17.02 min Scan# 3111

Delta R.T. 0.02 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

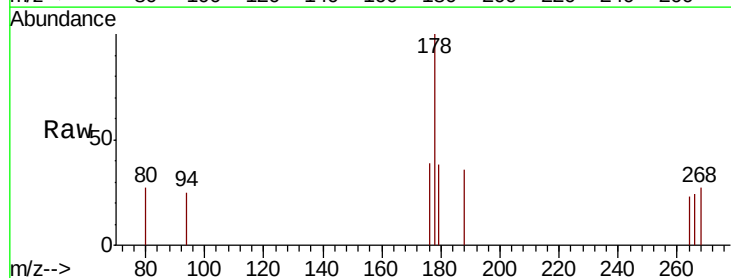
Tgt Ion:178 Resp: 380

Ion Ratio Lower Upper

178 100

179 38.0 14.2 21.4#

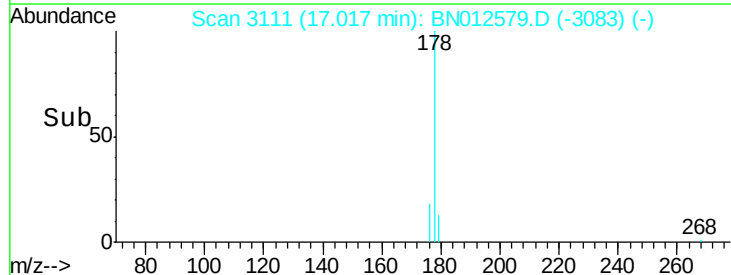
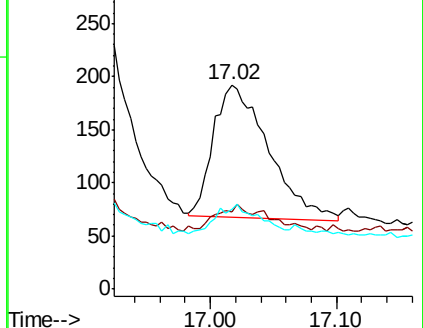
176 39.1 15.9 23.9#

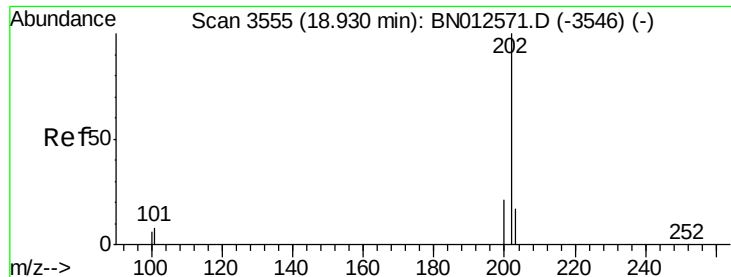


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.109 ng/ul

RT: 18.94 min Scan# 3557

Delta R.T. 0.01 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

Instrument :

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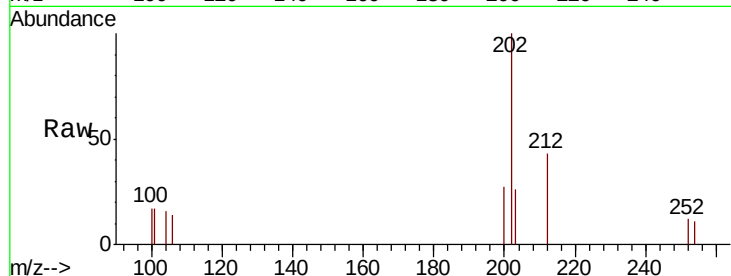
Tot Ion:202 Resp: 761

Ion Ratio Lower Upper

202 100

101 17.4 8.2 12.2#

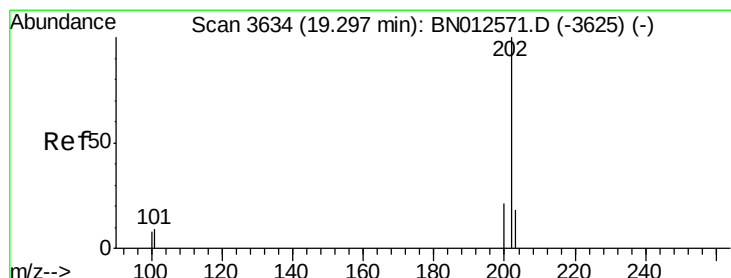
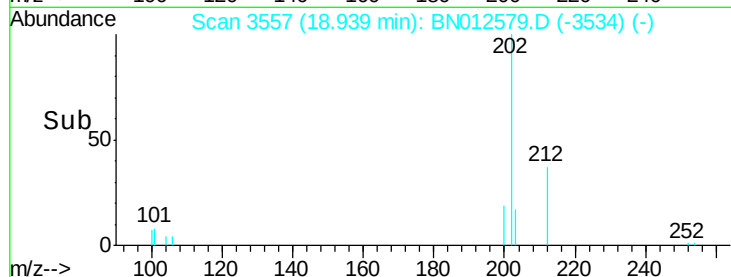
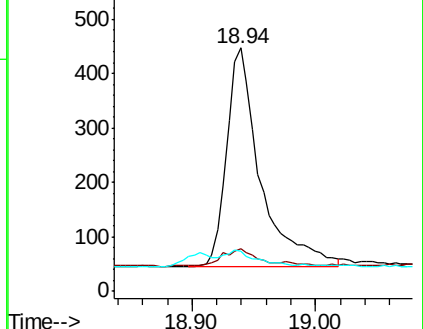
100 16.6 6.9 10.3#



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: 0.100 ng/ul

RT: 19.30 min Scan# 3635

Delta R.T. 0.00 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

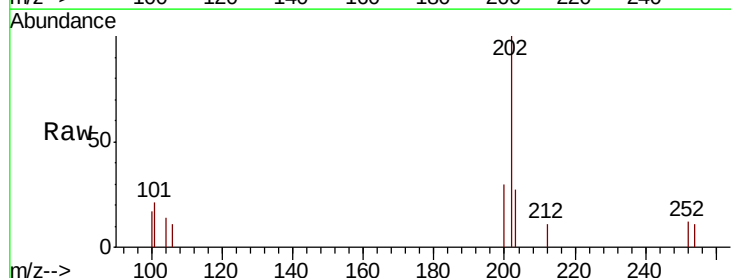
Tgt Ion:202 Resp: 789

Ion Ratio Lower Upper

202 100

101 20.7 9.4 14.2#

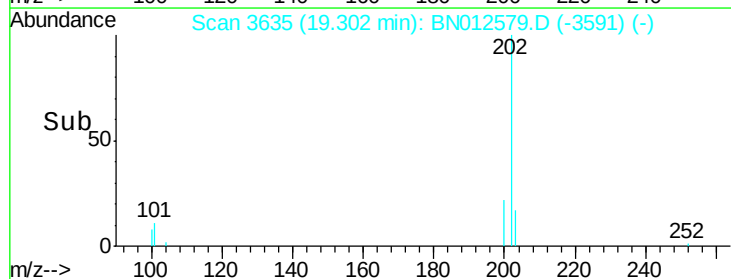
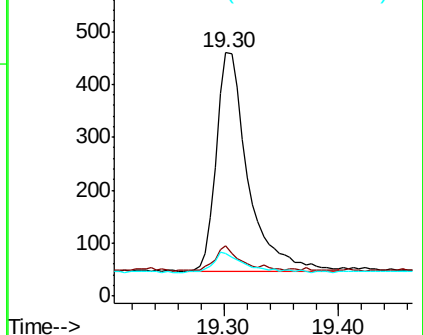
100 17.4 8.6 12.8#

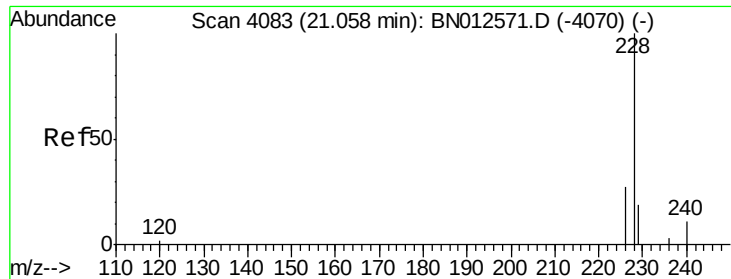


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.095 ng/ul

RT: 21.06 min Scan# 4085

Delta R.T. 0.01 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

Instrument :

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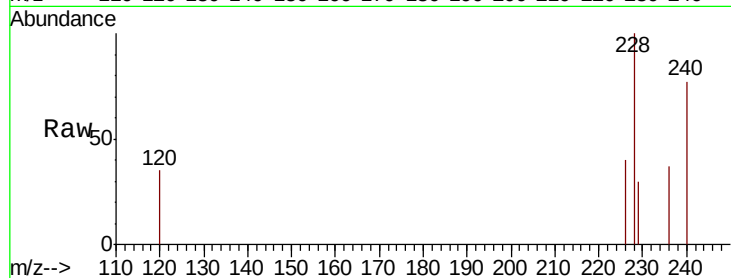
Tot Ion:228 Resp: 580

Ion Ratio Lower Upper

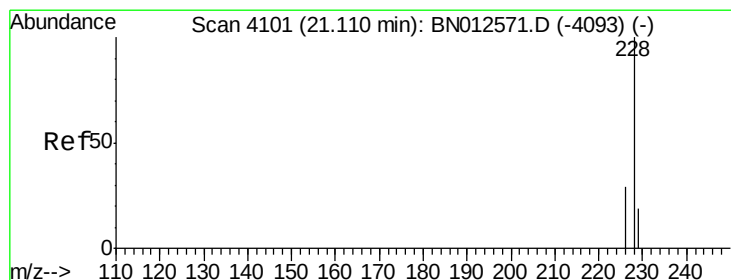
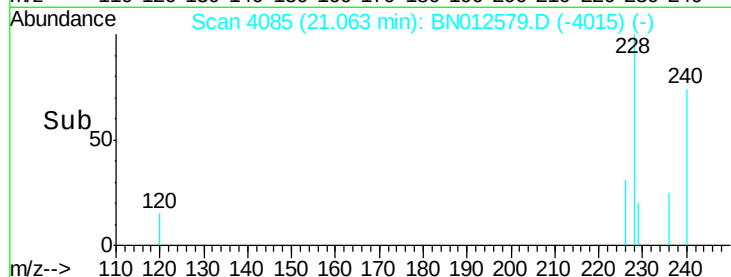
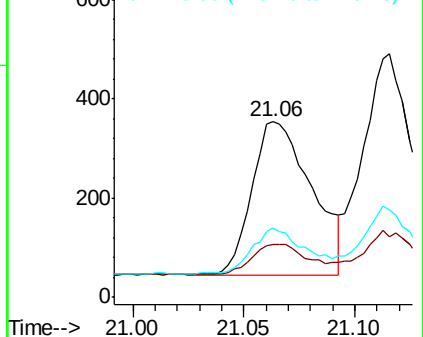
228 100

229 30.3 16.6 25.0#

226 39.9 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: 0.108 ng/ul

RT: 21.12 min Scan# 4103

Delta R.T. 0.01 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

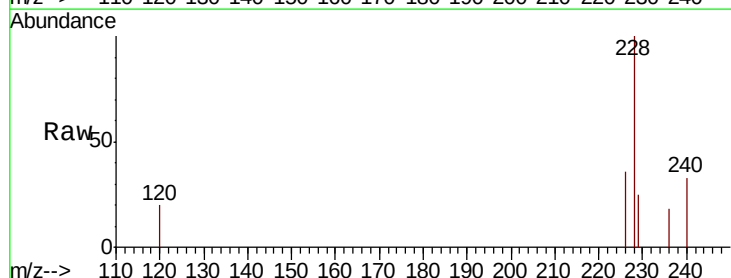
Tgt Ion:228 Resp: 798

Ion Ratio Lower Upper

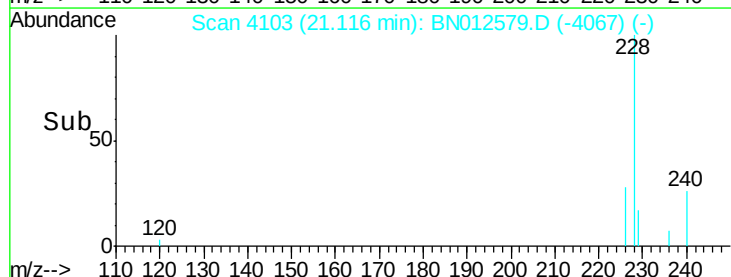
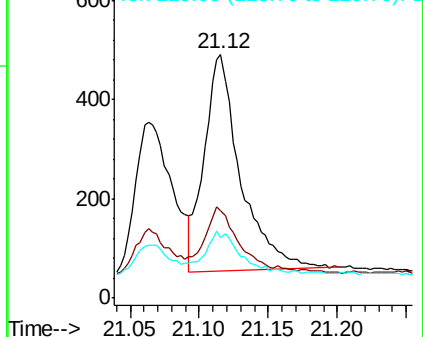
228 100

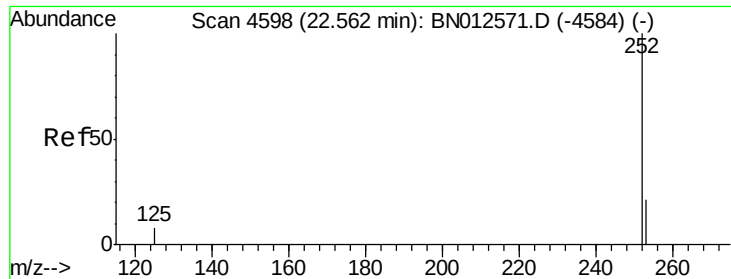
226 35.6 23.9 35.9

229 25.1 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: 0.100 ng/ul

RT: 22.57 min Scan# 4600

Delta R.T. 0.01 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-07

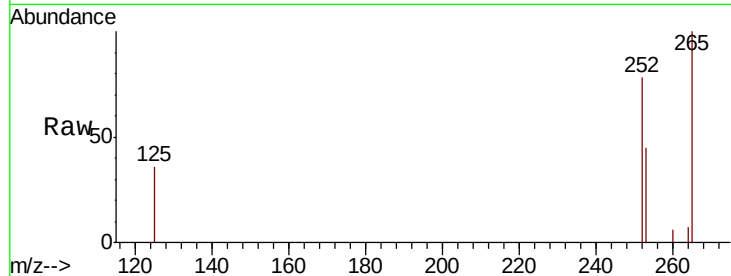
Tot Ion:252 Resp: 799

Ion Ratio Lower Upper

252 100

253 57.6 0.0 59.2

125 46.1 0.0 30.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

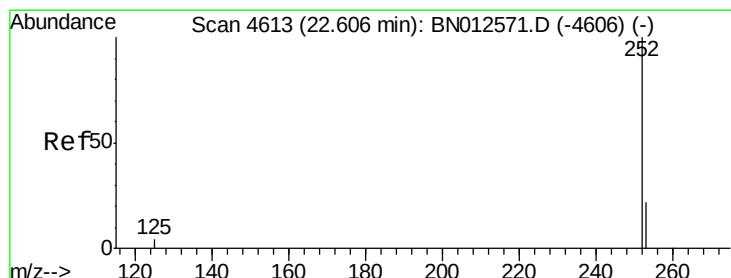
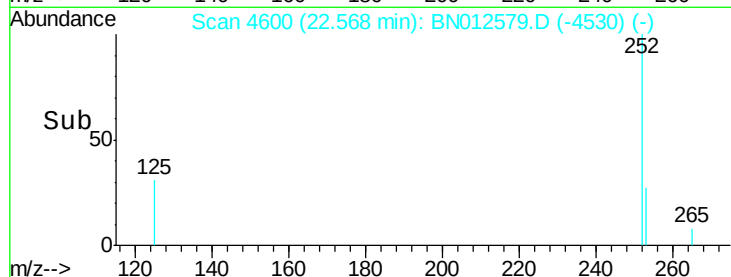
Ion 125.00 (124.70 to 125.70): E

22.57

22.55

22.60

Time-->



#25

Benzo(k)fluoranthene

Concen: 0.101 ng/ul

RT: 22.61 min Scan# 4615

Delta R.T. 0.01 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

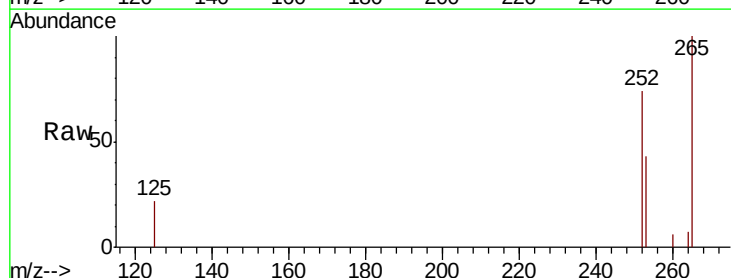
Tgt Ion:252 Resp: 929

Ion Ratio Lower Upper

252 100

253 58.0 23.3 34.9#

125 30.4 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

22.61

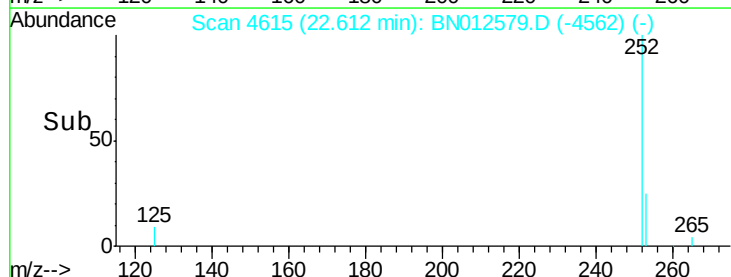
22.55

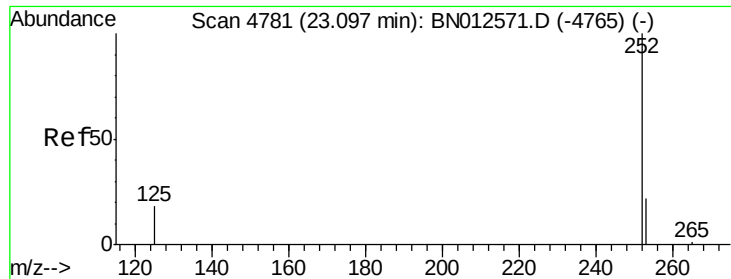
22.60

22.65

22.70

Time-->





#26

Benzo(a)pyrene

Concen: 0.112 ng/ul

RT: 23.10 min Scan# 4783

Delta R.T. 0.01 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-07

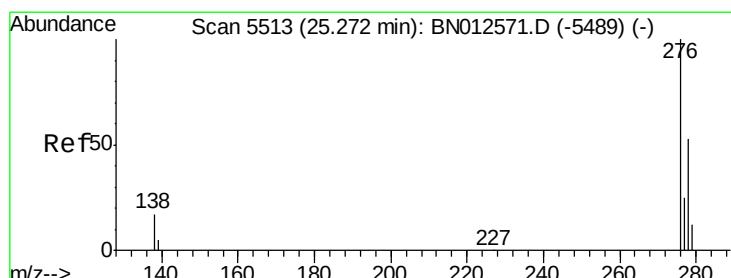
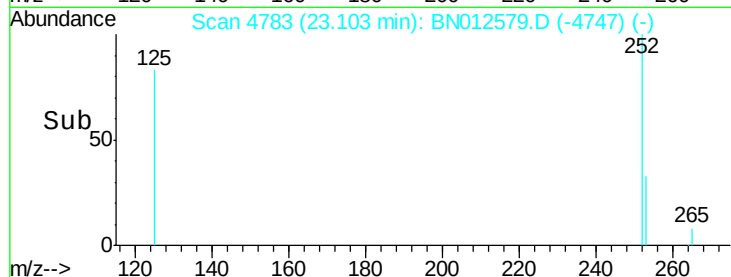
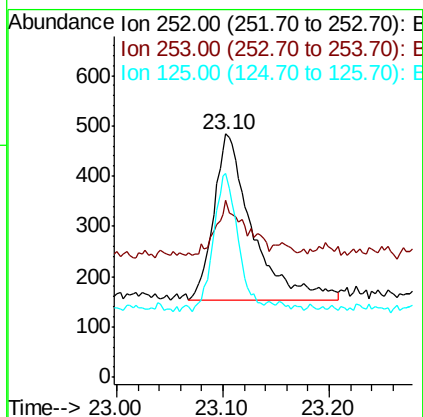
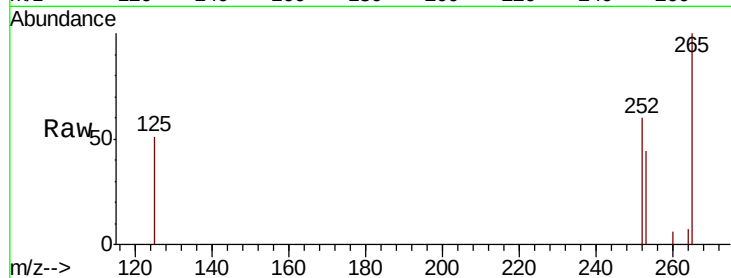
Tot Ion:252 Resp: 846

Ion Ratio Lower Upper

252 100

253 72.7 27.4 41.0#

125 83.7 17.7 26.5#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.094 ng/ul

RT: 25.28 min Scan# 5516

Delta R.T. 0.01 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

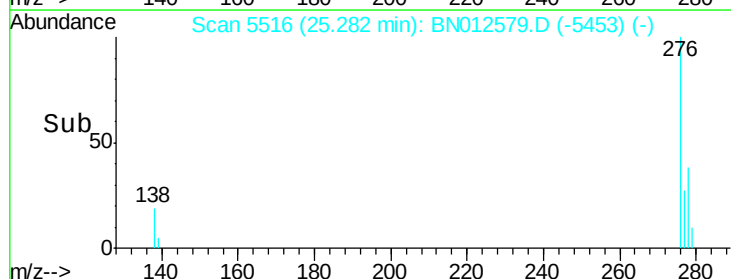
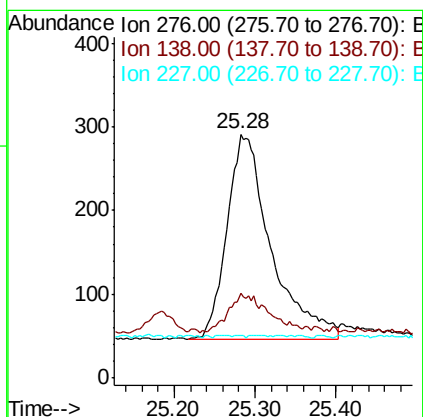
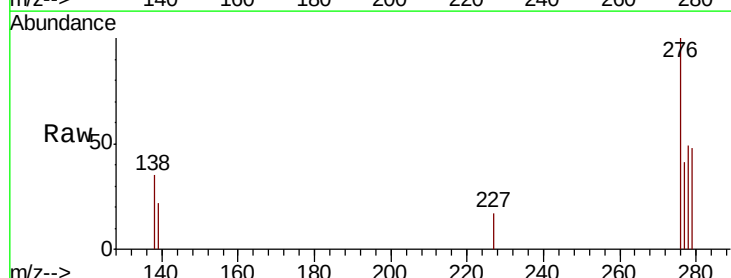
Tgt Ion:276 Resp: 928

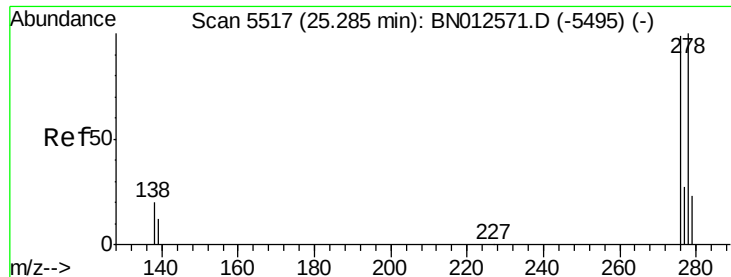
Ion Ratio Lower Upper

276 100

138 17.0 16.3 24.5

227 0.2 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.093 ng/ul

RT: 25.30 min Scan# 5520

Delta R.T. 0.01 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-07

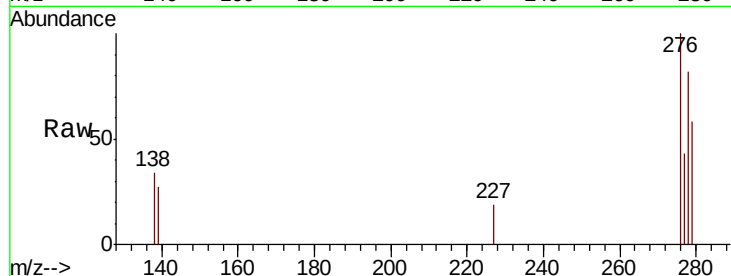
Tot Ion:278 Resp: 738

Ion Ratio Lower Upper

278 100

139 32.7 13.4 20.2#

279 70.9 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

25.30

200

150

100

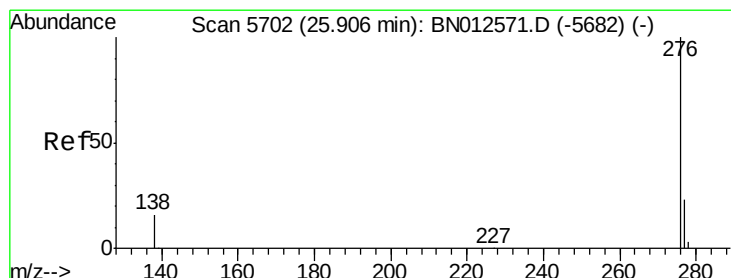
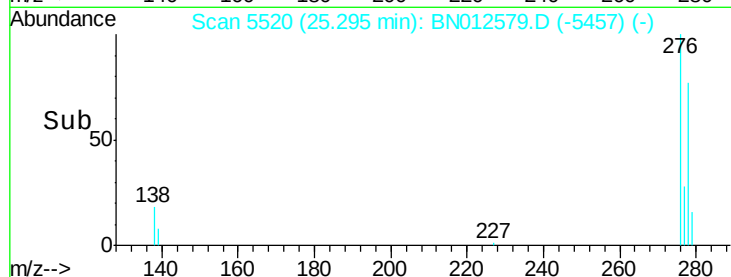
50

0

25.20

25.40

Time-->



#29

Benzo(g,h,i)perylene

Concen: 0.098 ng/ul

RT: 25.92 min Scan# 5705

Delta R.T. 0.01 min

Lab File: BN012579.D

Acq: 13 Nov 2020 14:52

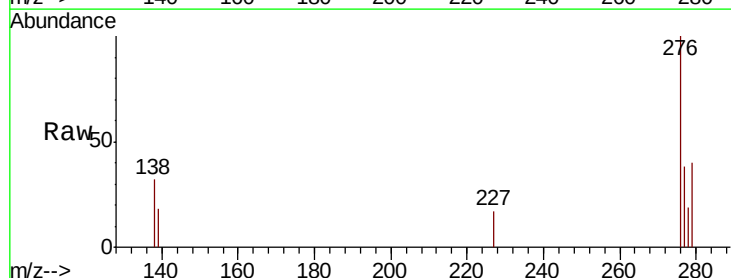
Tgt Ion:276 Resp: 899

Ion Ratio Lower Upper

276 100

138 32.0 17.1 25.7#

277 38.3 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

25.92

400

300

200

100

0

25.80

25.90

26.00

26.10

Time-->

