

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011321\
 Data File : BN013400.D
 Acq On : 13 Jan 2021 11:04
 Operator : CG/JU
 Sample : L5214-01
 Misc : SFAM-SIM-MDL-W-01
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT1-2021-01

Quant Time: Jan 13 11:34:22 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN010621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 13 10:38:51 2021
 Response via : Initial Calibration

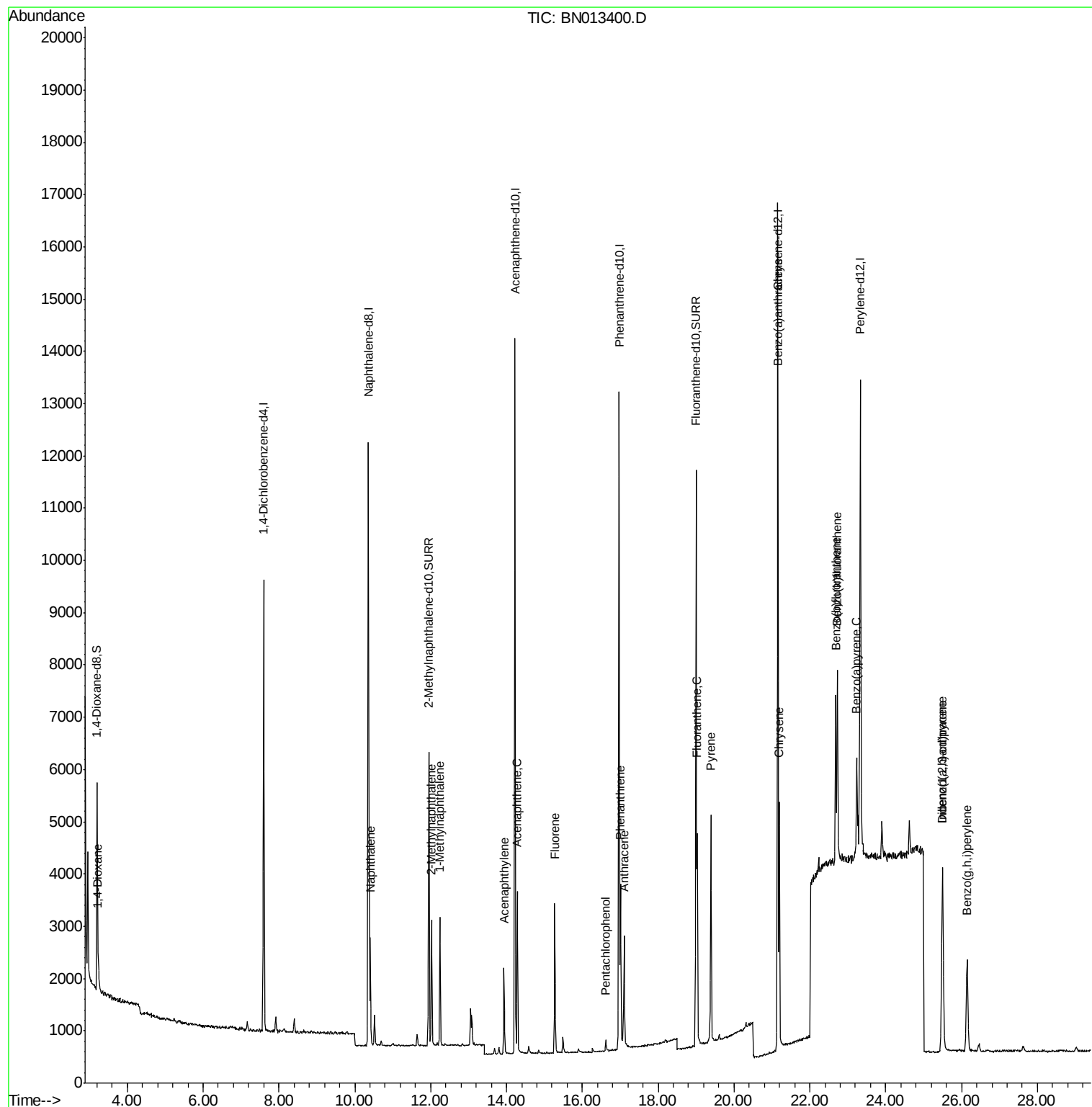
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	4276	0.40	ng/ul	0.00
4) Naphthalene-d8	10.36	136	15290	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.22	164	7615	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.97	188	15618	0.40	ng/ul	0.00
19) Chrysene-d12	21.16	240	13496	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	12007	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	2602	0.58	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.95	152	7242	0.31	ng/ul	0.00
17) Fluoranthene-d10	19.00	212	12506	0.31	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.24	88	346	0.077	ng/ul#	71
5) Naphthalene	10.41	128	2798	0.065	ng/ul#	95
7) 2-Methylnaphthalene	12.03	142	1765	0.062	ng/ul	100
8) 1-Methylnaphthalene	12.25	142	1719	0.063	ng/ul	99
10) Acenaphthylene	13.94	152	1922	0.058	ng/ul#	93
11) Acenaphthene	14.28	153	1745	0.064	ng/ul	97
12) Fluorene	15.27	166	1874	0.059	ng/ul#	96
14) Pentachlorophenol	16.62	266	187	0.059	ng/ul	88
15) Phenanthrene	17.01	178	3160	0.064	ng/ul	93
16) Anthracene	17.10	178	2545	0.058	ng/ul#	88
18) Fluoranthene	19.03	202	3701	0.064	ng/ul#	94
20) Pyrene	19.39	202	3742	0.069	ng/ul#	92
21) Benzo(a)anthracene	21.14	228	3213	0.065	ng/ul	97
22) Chrysene	21.20	228	4039	0.074	ng/ul	99
24) Benzo(b)fluoranthene	22.68	252	3892	0.081	ng/ul	73
25) Benzo(k)fluoranthene	22.73	252	3910	0.082	ng/ul#	63
26) Benzo(a)pyrene	23.24	252	2951	0.072	ng/ul#	56
27) Indeno(1,2,3-cd)pyrene	25.49	276	4188	0.080	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.51	278	3303	0.075	ng/ul#	85
29) Benzo(g,h,i)perylene	26.15	276	3589	0.078	ng/ul#	89

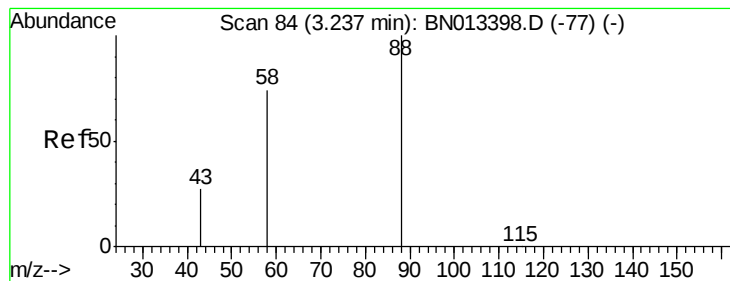
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 13 11:34:22 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN010621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#2

1,4-Dioxane

Concen: 0.077 ng/ul

RT: 3.24 min Scan# 84

Delta R.T. 0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2021-01

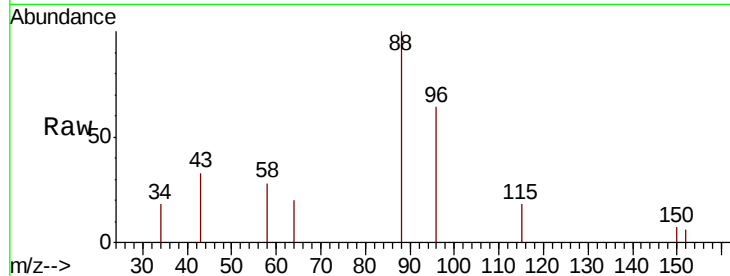
Tot Ion: 88 Resp: 346

Ion Ratio Lower Upper

88 100

43 32.6 31.5 47.3

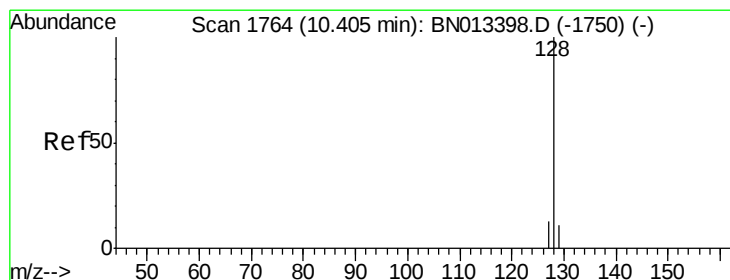
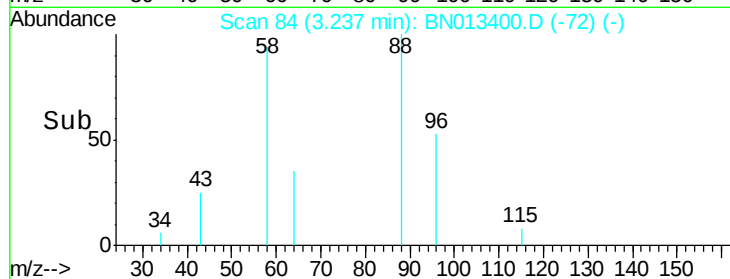
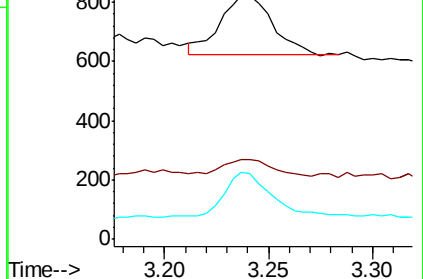
58 27.7 46.4 69.6#



Abundance Ion 88.00 (87.70 to 88.70): BN013398.D (-77) (-)

Ion 43.00 (42.70 to 43.70): BN013398.D (-77) (-)

Ion 58.00 (57.70 to 58.70): BN013398.D (-77) (-)



#5

Naphthalene

Concen: 0.065 ng/ul

RT: 10.41 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

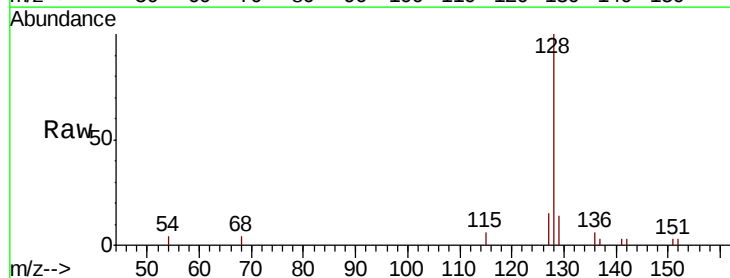
Tgt Ion: 128 Resp: 2798

Ion Ratio Lower Upper

128 100

129 14.1 9.1 13.7#

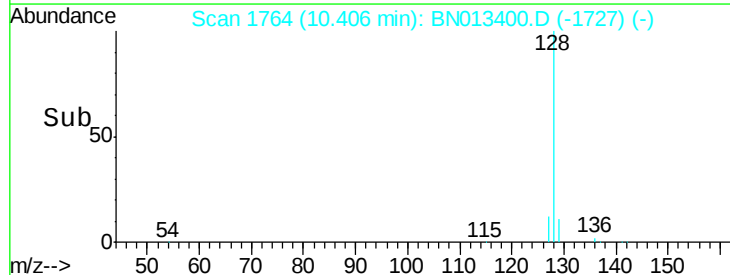
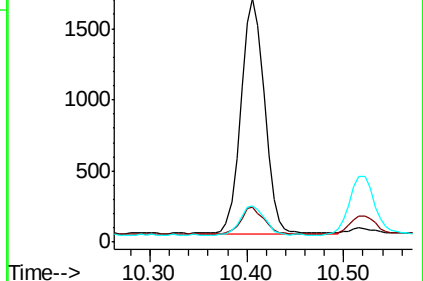
127 14.7 10.6 16.0

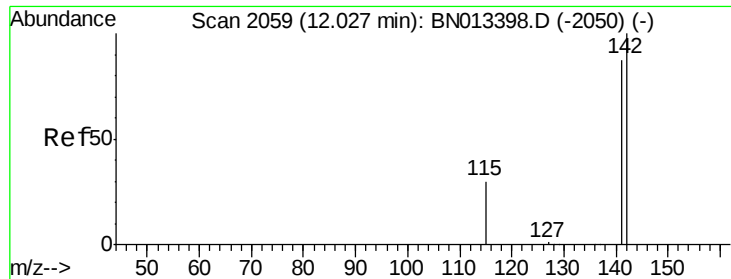


Abundance Ion 128.00 (127.70 to 128.70): BN013398.D (-1750) (-)

Ion 129.00 (128.70 to 129.70): BN013398.D (-1750) (-)

Ion 127.00 (126.70 to 127.70): BN013398.D (-1750) (-)





#7

2-Methylnaphthalene

Concen: 0.062 ng/ul

RT: 12.03 min Scan# 2059

Delta R.T. 0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

Instrument :

BNA_N

ClientSampleId :

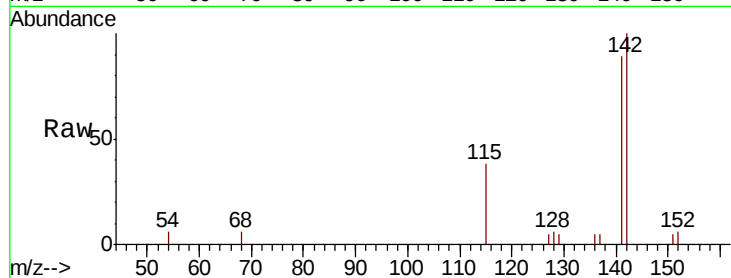
MDL-WATER-QT1-2021-01

Tot Ion:142 Resp: 1765

Ion Ratio Lower Upper

142 100

141 88.4 70.7 106.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

1200

1000

800

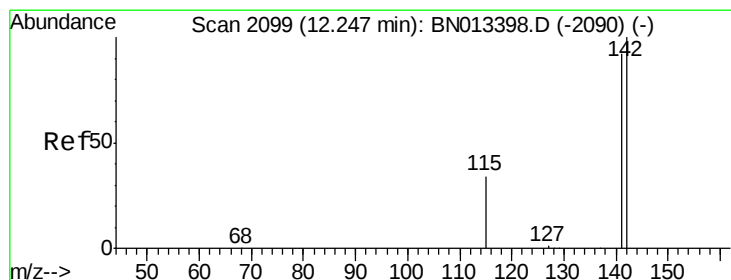
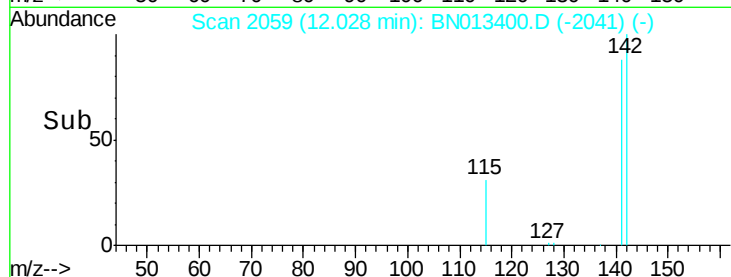
600

400

200

0

Time-->



#8

1-Methylnaphthalene

Concen: 0.063 ng/ul

RT: 12.25 min Scan# 2099

Delta R.T. 0.00 min

Lab File: BN013400.D

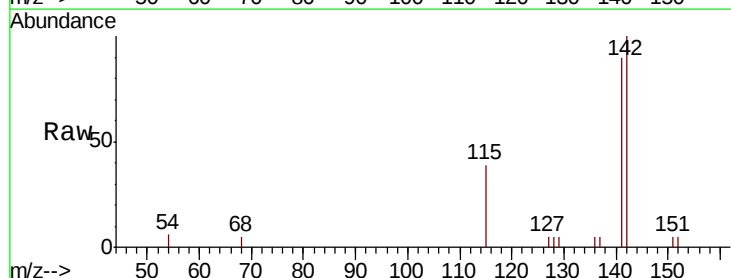
Acq: 13 Jan 2021 11:04

Tgt Ion:142 Resp: 1719

Ion Ratio Lower Upper

142 100

141 90.2 73.2 109.8



Abundance Ion 142.00 (141.70 to 142.70): E

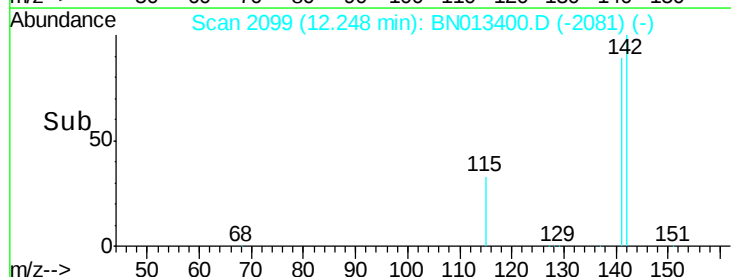
Ion 141.00 (140.70 to 141.70): E

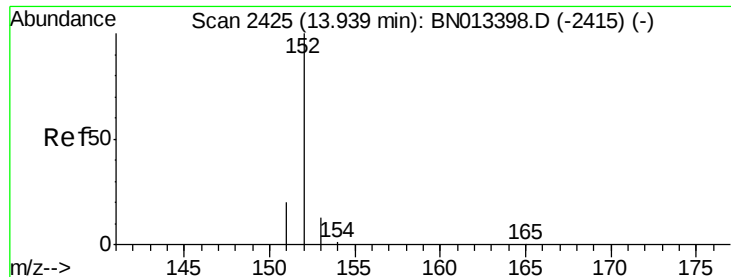
1000

500

0

Time-->





#10

Acenaphthylene

Concen: 0.058 ng/ul

RT: 13.94 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2021-01

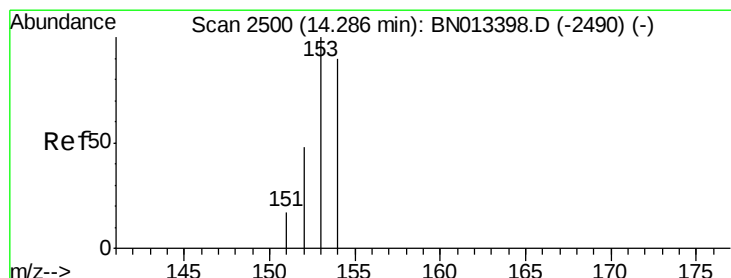
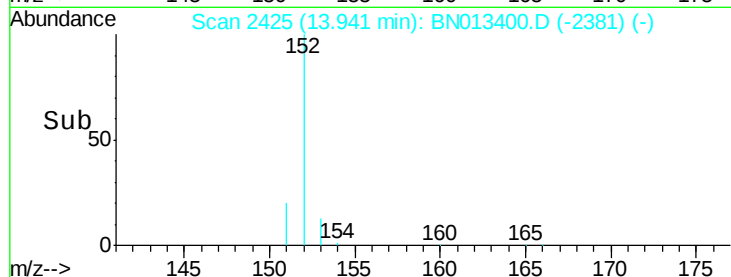
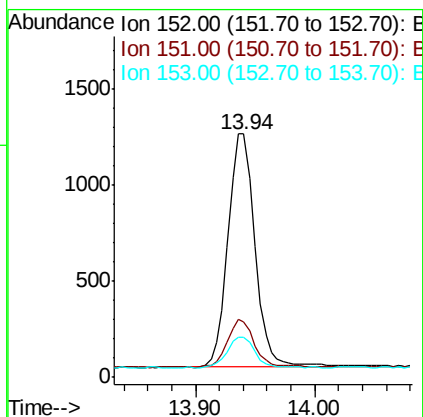
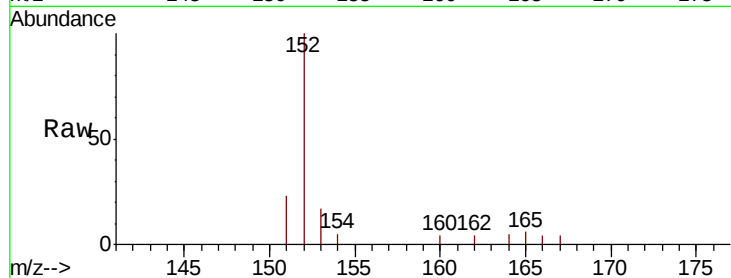
Tot Ion:152 Resp: 1922

Ion Ratio Lower Upper

152 100

151 23.0 16.2 24.4

153 16.5 10.6 16.0#



#11

Acenaphthene

Concen: 0.064 ng/ul

RT: 14.28 min Scan# 2499

Delta R.T. -0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

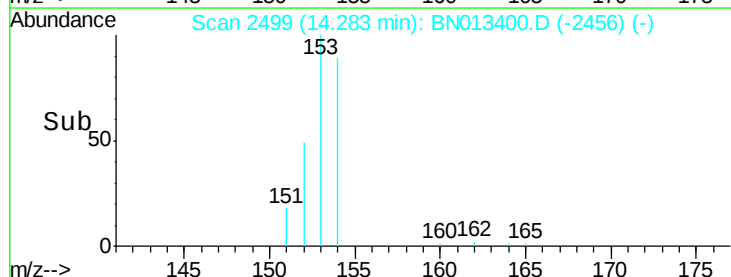
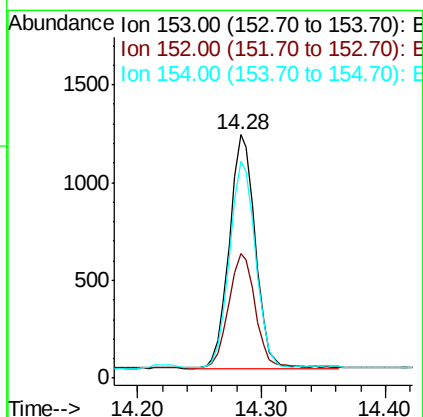
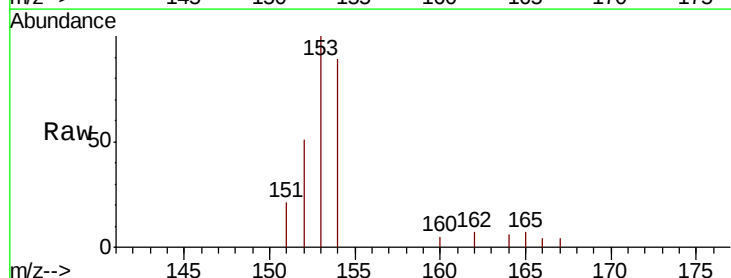
Tgt Ion:153 Resp: 1745

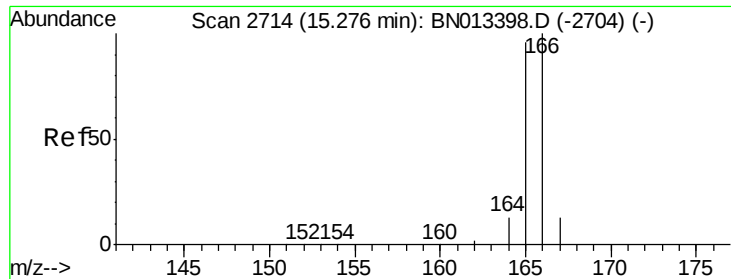
Ion Ratio Lower Upper

153 100

152 51.2 38.6 58.0

154 89.2 70.1 105.1





#12

Fluorene

Concen: 0.059 ng/ul

RT: 15.27 min Scan# 2713

Delta R.T. -0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2021-01

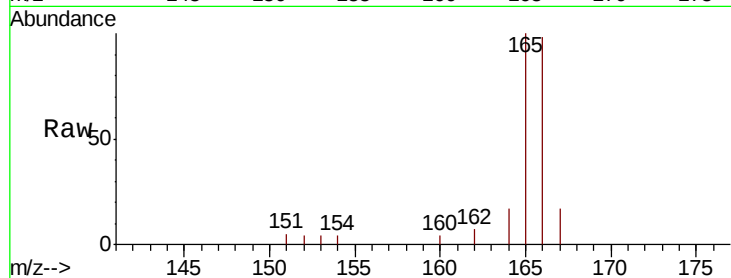
Tot Ion:166 Resp: 1874

Ion Ratio Lower Upper

166 100

165 102.0 79.0 118.4

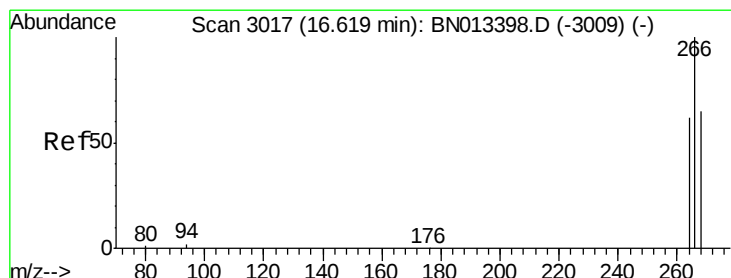
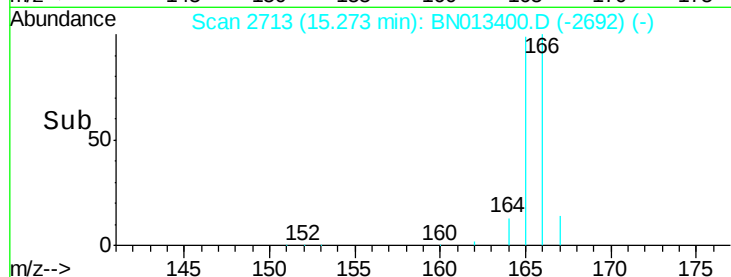
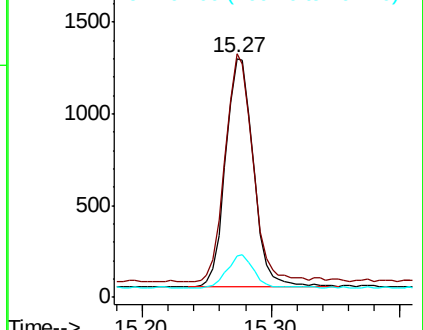
167 17.4 11.1 16.7#



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: 0.059 ng/ul

RT: 16.62 min Scan# 3016

Delta R.T. -0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

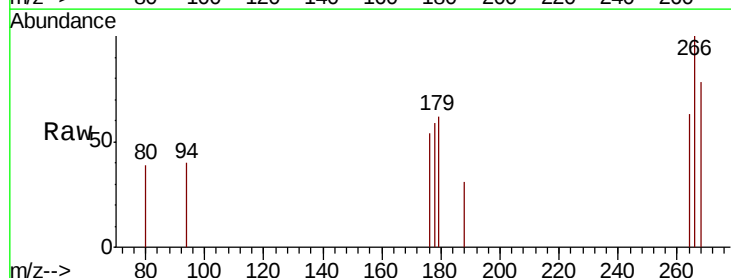
Tgt Ion:266 Resp: 187

Ion Ratio Lower Upper

266 100

264 54.5 49.5 74.3

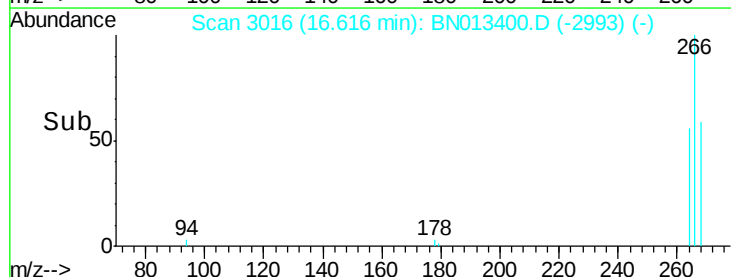
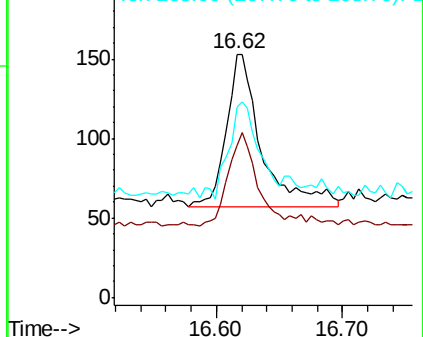
268 52.9 51.7 77.5

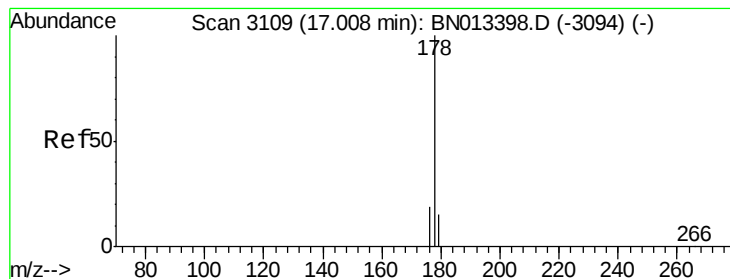


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.064 ng/ul

RT: 17.01 min Scan# 3109

Delta R.T. 0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2021-01

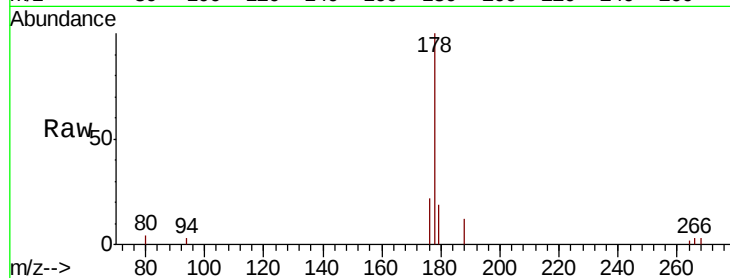
Tot Ion:178 Resp: 3160

Ion Ratio Lower Upper

178 100

179 19.0 12.7 19.1

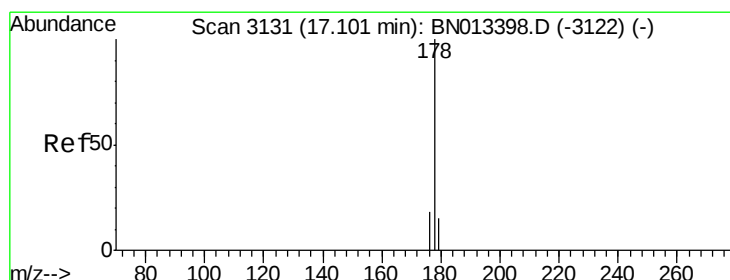
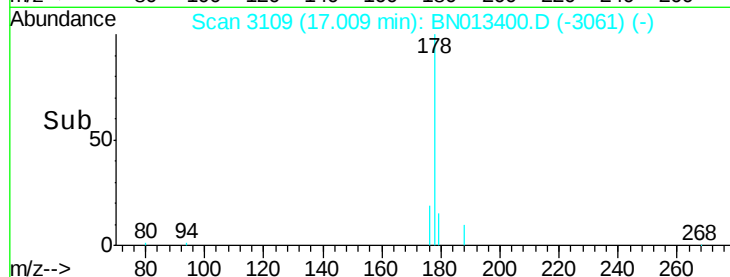
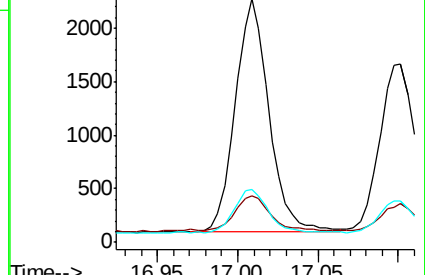
176 21.9 15.4 23.0



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: 0.058 ng/ul

RT: 17.10 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

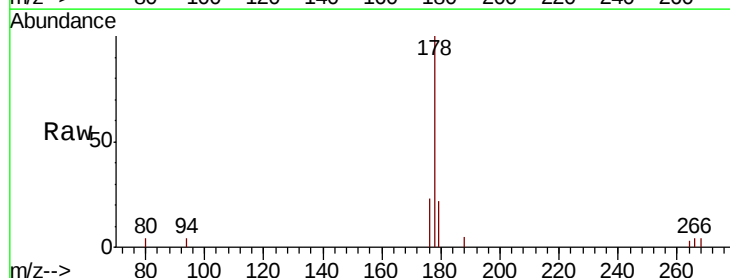
Tgt Ion:178 Resp: 2545

Ion Ratio Lower Upper

178 100

179 22.0 12.7 19.1#

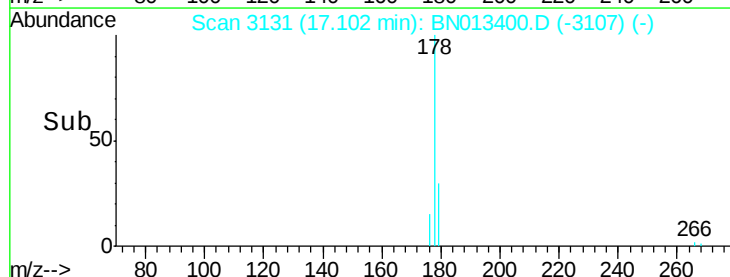
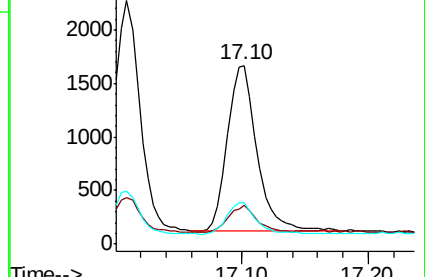
176 23.2 14.7 22.1#

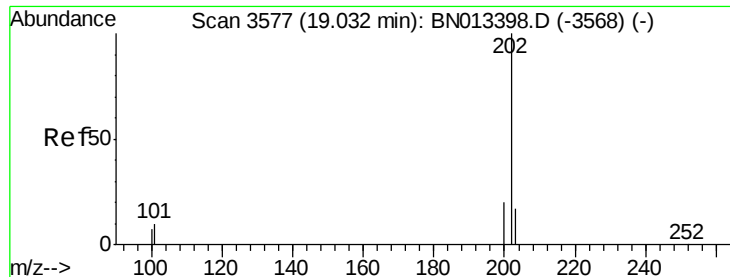


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.064 ng/ul

RT: 19.03 min Scan# 3576

Delta R.T. -0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

Instrument :

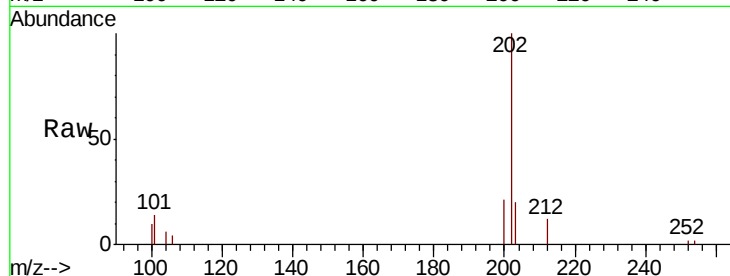
BNA_N

ClientSampleId :

MDL-WATER-QT1-2021-01

Tot Ion:202 Resp: 3701

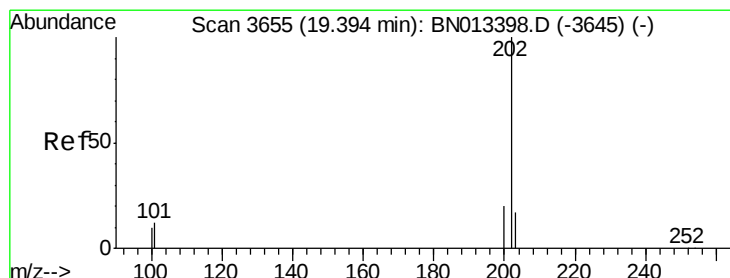
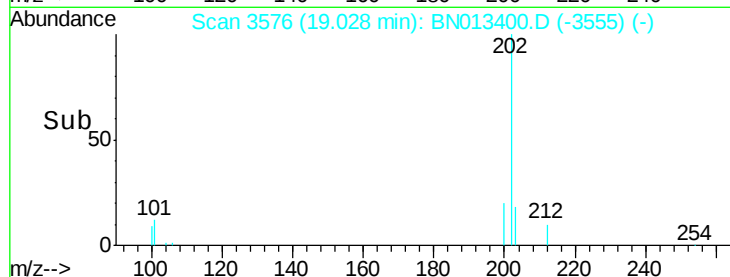
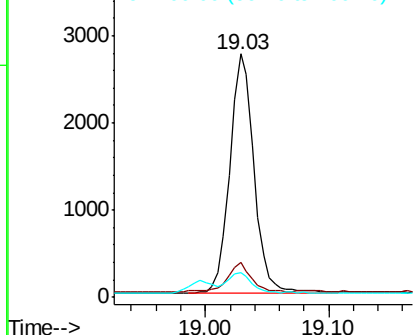
Ion	Ratio	Lower	Upper
202	100		
101	14.2	9.3	13.9#
100	10.3	7.0	10.4



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: 0.069 ng/ul

RT: 19.39 min Scan# 3654

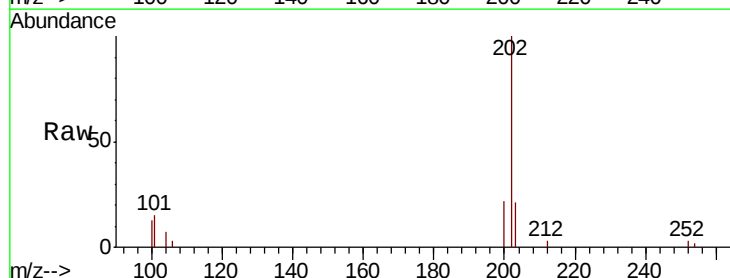
Delta R.T. -0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

Tgt Ion:202 Resp: 3742

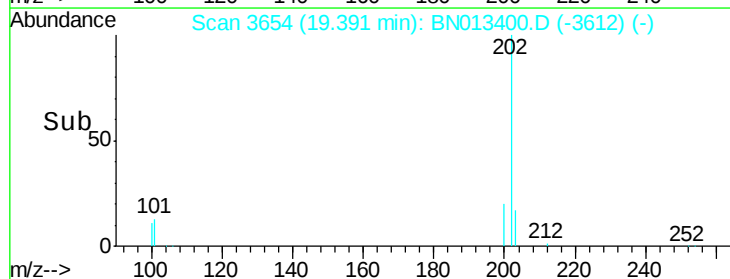
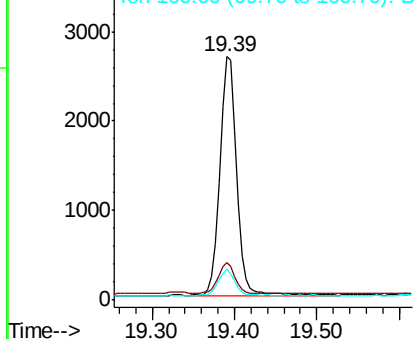
Ion	Ratio	Lower	Upper
202	100		
101	15.1	9.7	14.5#
100	12.5	7.6	11.4#

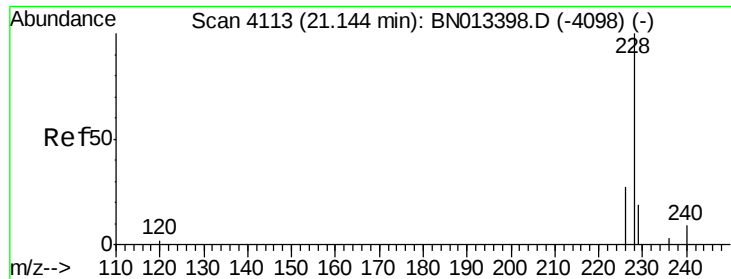


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.065 ng/ul

RT: 21.14 min Scan# 4112

Delta R.T. -0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2021-01

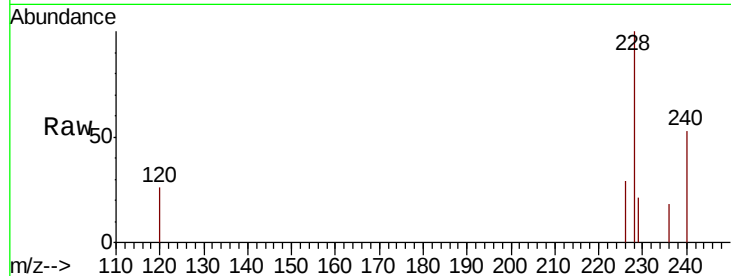
Tot Ion:228 Resp: 3213

Ion Ratio Lower Upper

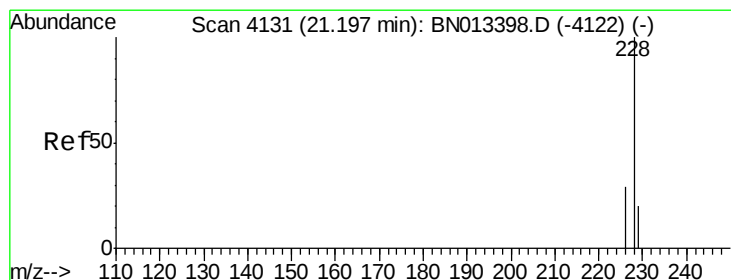
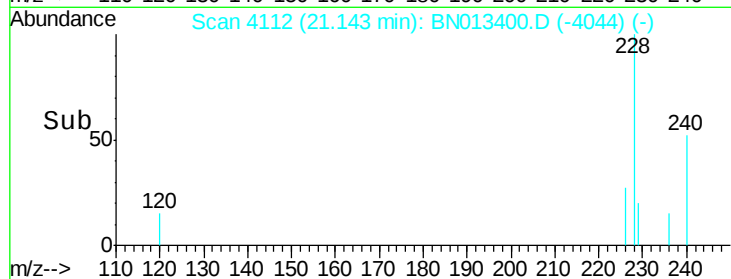
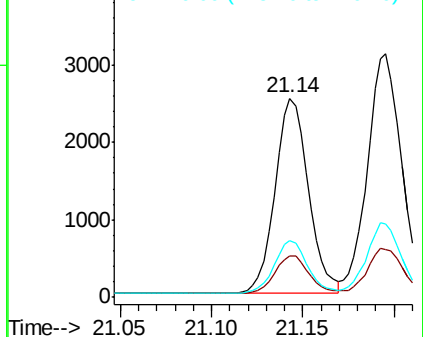
228 100

229 21.1 15.8 23.6

226 28.6 21.6 32.4



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: 0.074 ng/ul

RT: 21.20 min Scan# 4130

Delta R.T. -0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

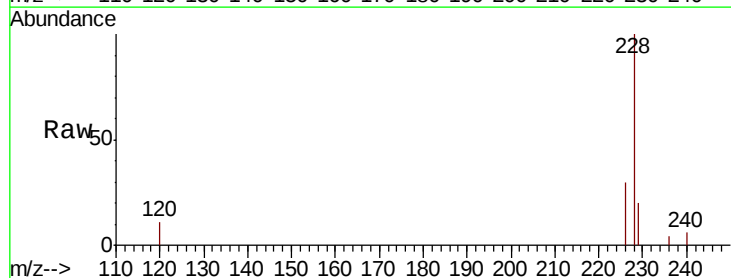
Tgt Ion:228 Resp: 4039

Ion Ratio Lower Upper

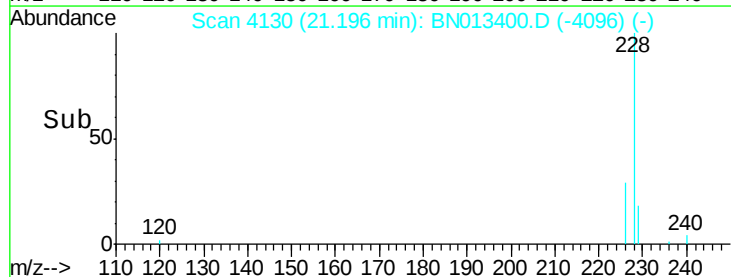
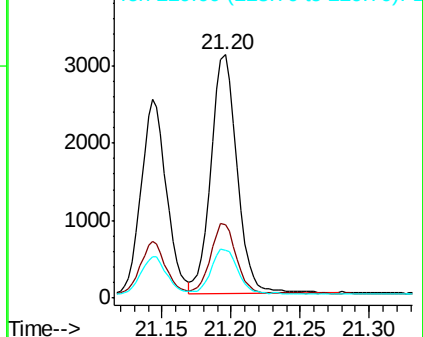
228 100

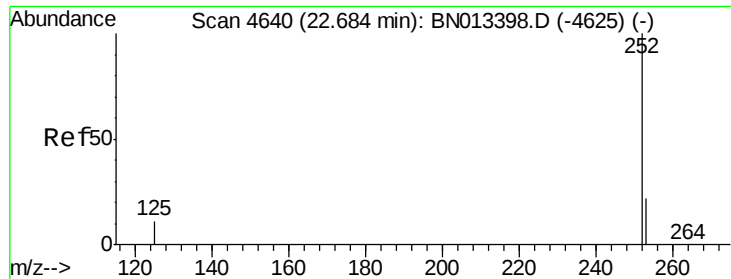
226 30.2 23.6 35.4

229 19.8 15.7 23.5



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: 0.081 ng/ul

RT: 22.68 min Scan# 4639

Delta R.T. -0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2021-01

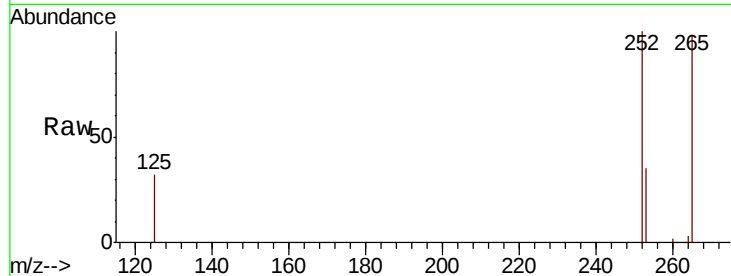
Tot Ion:252 Resp: 3892

Ion Ratio Lower Upper

252 100

253 35.4 0.0 49.6

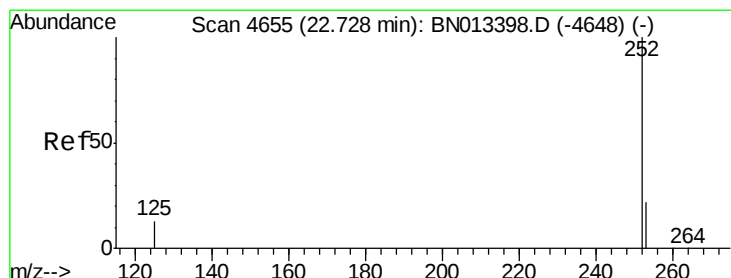
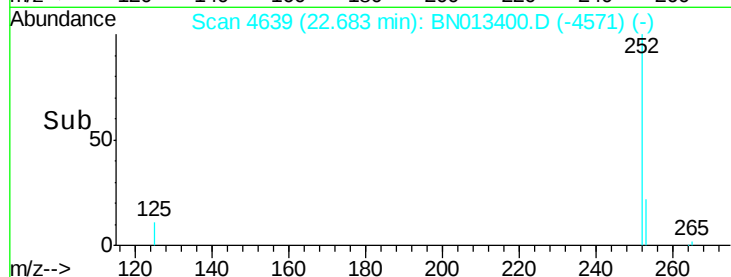
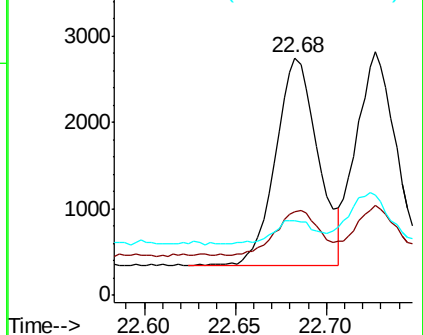
125 31.5 0.0 31.8



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



#25

Benzo(k)fluoranthene

Concen: 0.082 ng/ul

RT: 22.73 min Scan# 4654

Delta R.T. -0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

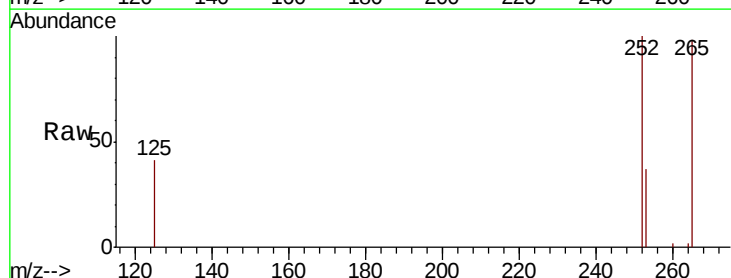
Tgt Ion:252 Resp: 3910

Ion Ratio Lower Upper

252 100

253 37.0 20.3 30.5#

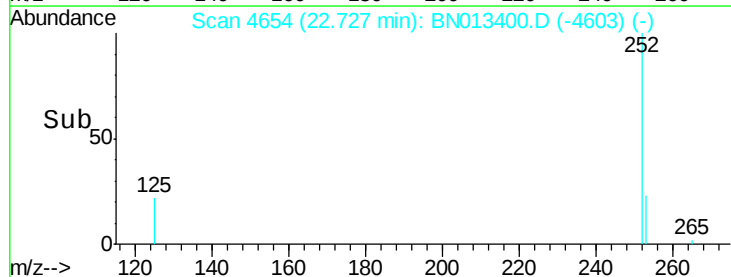
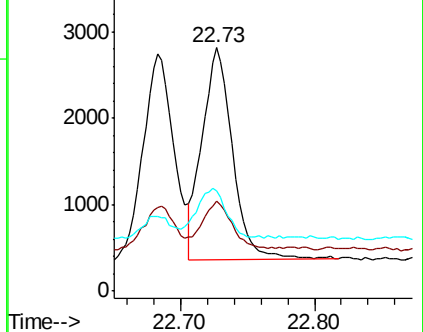
125 41.2 13.3 19.9#

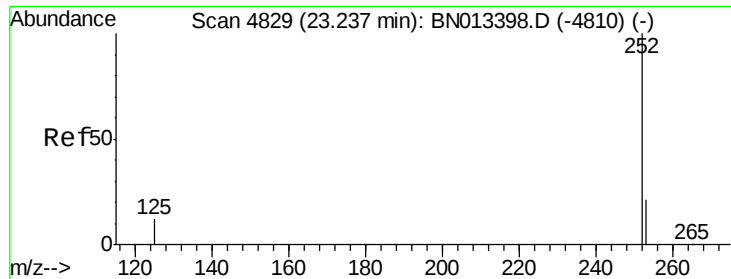


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.072 ng/u1

RT: 23.24 min Scan# 4828

Delta R.T. -0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2021-01

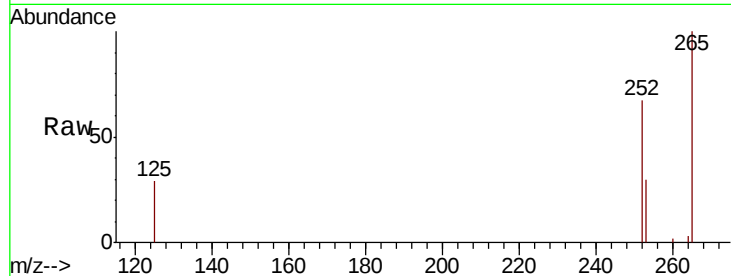
Tot Ion:252 Resp: 2951

Ion Ratio Lower Upper

252 100

253 44.7 21.3 31.9#

125 43.4 14.8 22.2#

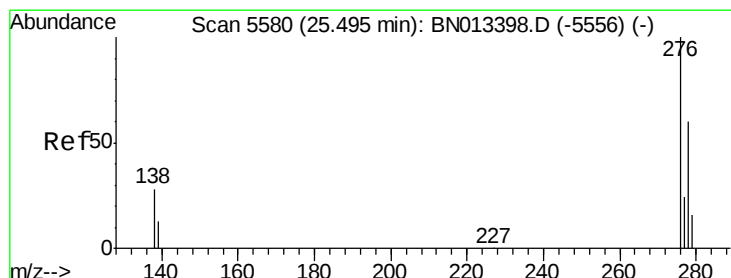
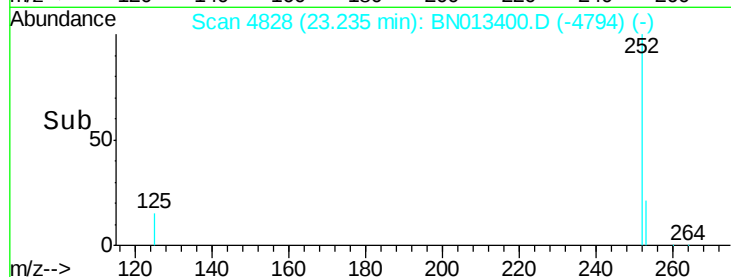
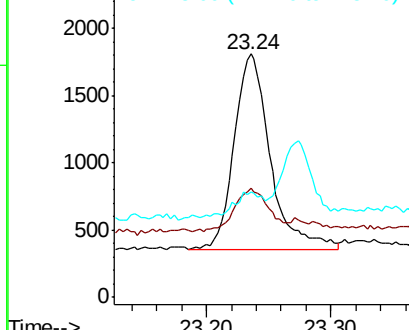


Abundance

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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.080 ng/u1

RT: 25.49 min Scan# 5579

Delta R.T. -0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

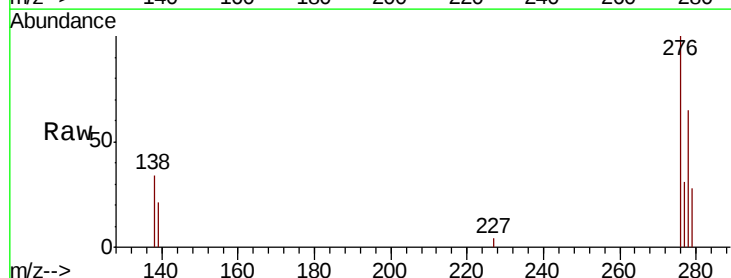
Tgt Ion:276 Resp: 4188

Ion Ratio Lower Upper

276 100

138 30.7 22.6 33.8

227 0.0 0.2 0.2#

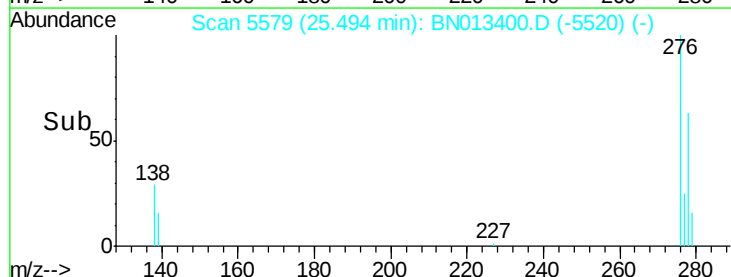
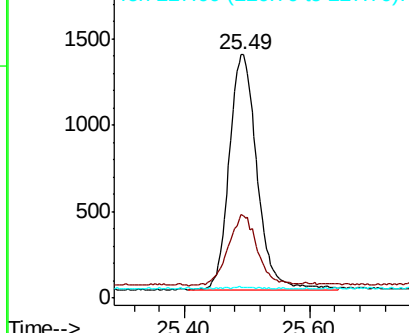


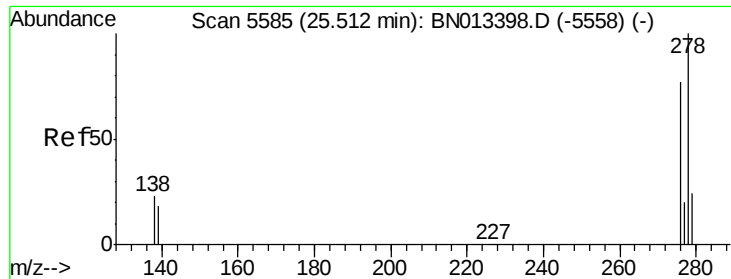
Abundance

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: 0.075 ng/ul

RT: 25.51 min Scan# 5583

Delta R.T. -0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2021-01

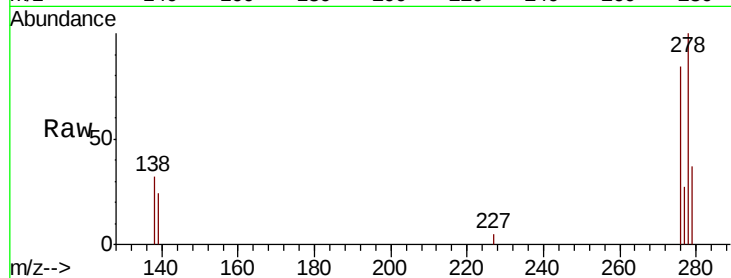
Tot Ion:278 Resp: 3303

Ion Ratio Lower Upper

278 100

139 24.3 16.2 24.4

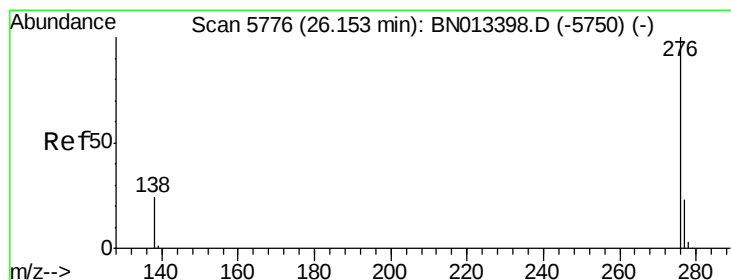
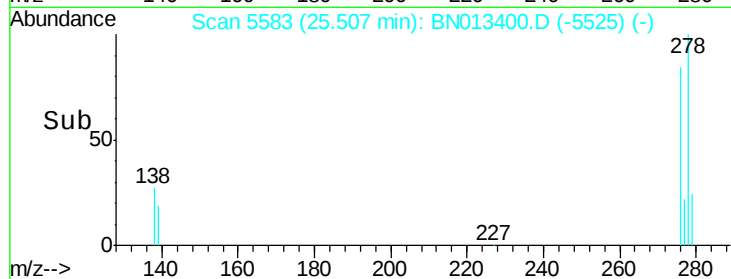
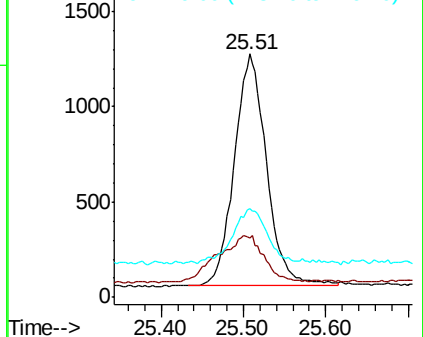
279 36.6 21.0 31.6#



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: 0.078 ng/ul

RT: 26.15 min Scan# 5775

Delta R.T. -0.00 min

Lab File: BN013400.D

Acq: 13 Jan 2021 11:04

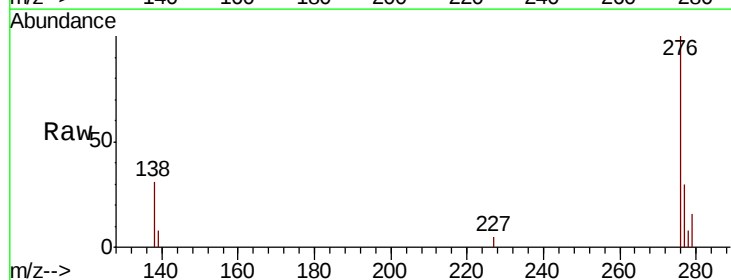
Tgt Ion:276 Resp: 3589

Ion Ratio Lower Upper

276 100

138 30.5 19.3 28.9#

277 30.1 20.1 30.1



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

