

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060820\
 Data File : BN010808.D
 Acq On : 08 Jun 2020 15:01
 Operator : CG/JU
 Sample : L1955-14
 Misc : MDL-WATER-07
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-07

Quant Time: Jun 08 15:31:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN060320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 10:24:50 2020
 Response via : Initial Calibration

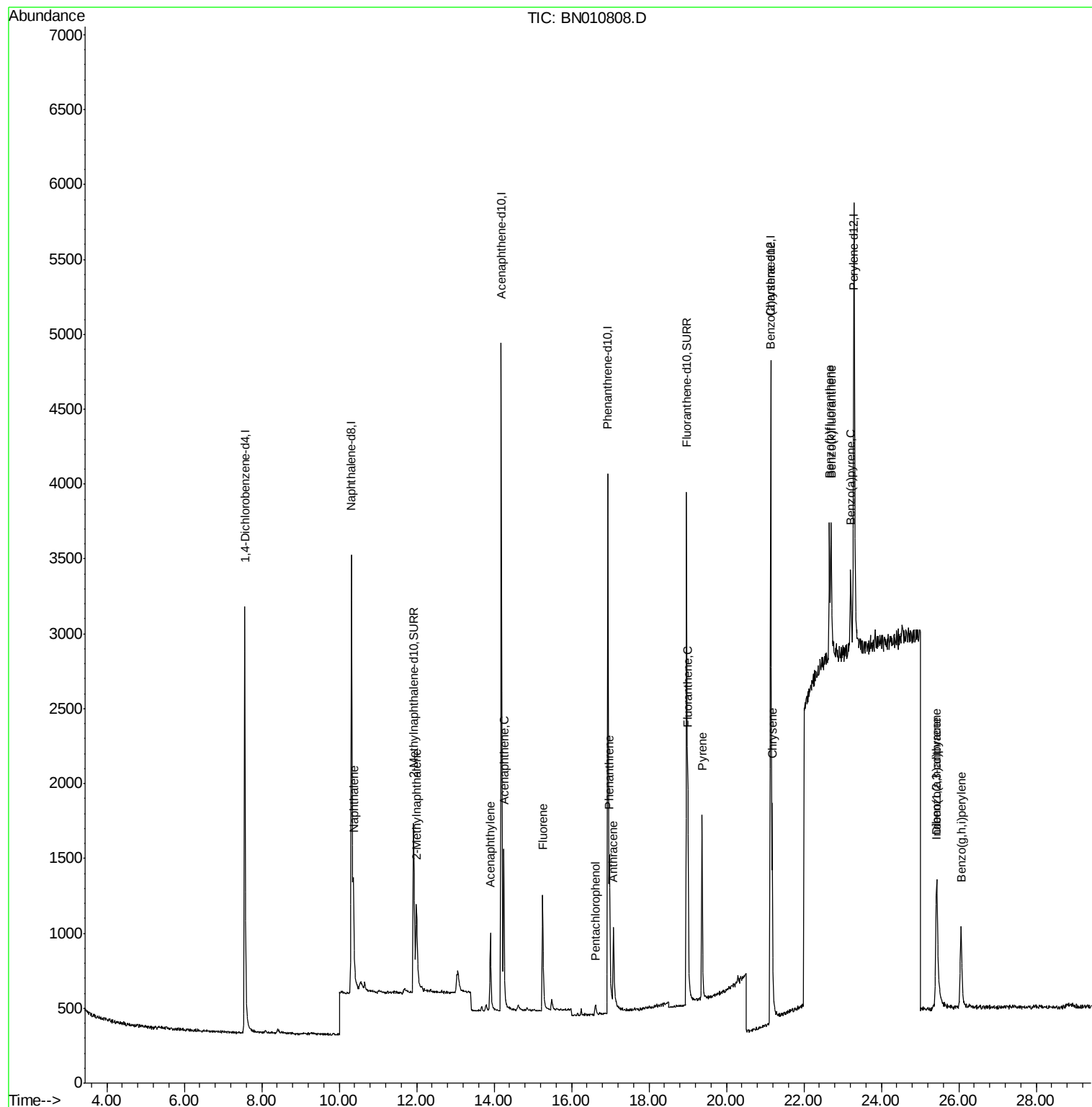
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	1777	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	5571	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	2893	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5582	0.40	ng/ul	0.00
16) Chrysene-d12	21.14	240	4603	0.40	ng/ul	0.00
20) Perylene-d12	23.29	264	4343	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	2476	0.19	ng/ul	0.01
14) Fluoranthene-d10	18.97	212	5022	0.21	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.37	128	1032	0.063	ng/ul#	82
5) 2-Methylnaphthalene	12.00	142	602	0.058	ng/ul	98
7) Acenaphthylene	13.90	152	804	0.062	ng/ul#	82
8) Acenaphthene	14.25	153	670	0.062	ng/ul	95
9) Fluorene	15.25	166	702	0.059	ng/ul#	94
11) Pentachlorophenol	16.62	266	77	0.059	ng/ul#	91
12) Phenanthrene	16.98	178	1129	0.062	ng/ul#	86
13) Anthracene	17.08	178	861	0.057	ng/ul#	78
15) Fluoranthene	19.00	202	1267	0.062	ng/ul	90
17) Pyrene	19.37	202	1260	0.063	ng/ul#	87
18) Benzo(a)anthracene	21.13	228	963	0.059	ng/ul#	89
19) Chrysene	21.18	228	1318	0.063	ng/ul	94
21) Benzo(b)fluoranthene	22.66	252	1161	0.060	ng/ul#	48
22) Benzo(k)fluoranthene	22.70	252	1344	0.066	ng/ul#	51
23) Benzo(a)pyrene	23.21	252	1118	0.068	ng/ul#	34
24) Indeno(1,2,3-cd)pyrene	25.42	276	1370	0.061	ng/ul#	54
25) Dibenzo(a,h)anthracene	25.44	278	1129	0.062	ng/ul#	57
26) Benzo(g,h,i)perylene	26.06	276	1309	0.063	ng/ul#	80

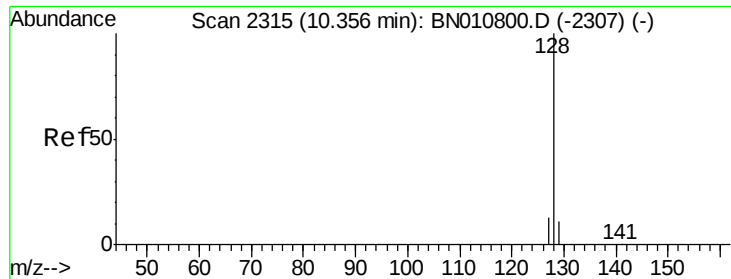
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 08 15:31:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN060320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 10:24:50 2020
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#3

Naphthalene

Concen: 0.063 ng/ul

RT: 10.37 min Scan# 2317

Delta R.T. 0.01 min

Lab File: BN010808.D

Acq: 08 Jun 2020 15:01

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-07

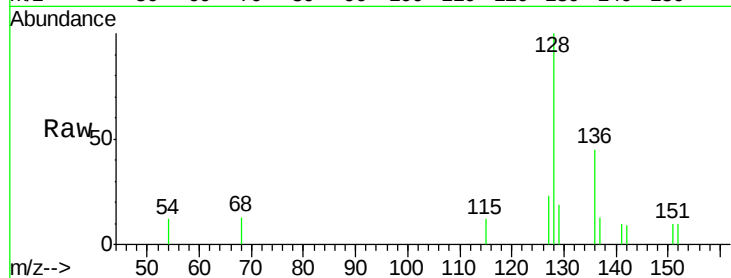
Tot Ion:128 Resp: 1032

Ion Ratio Lower Upper

128 100

129 18.6 9.9 14.9#

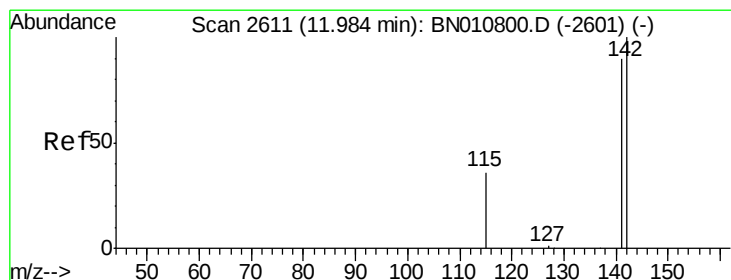
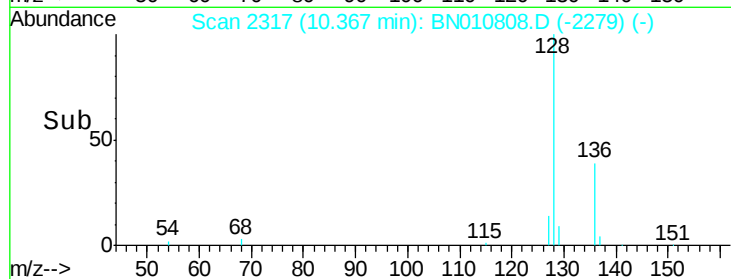
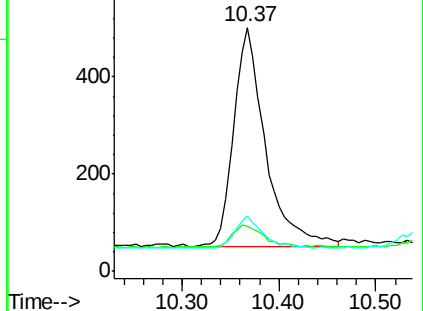
127 22.8 11.7 17.5#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.058 ng/ul

RT: 12.00 min Scan# 2613

Delta R.T. 0.01 min

Lab File: BN010808.D

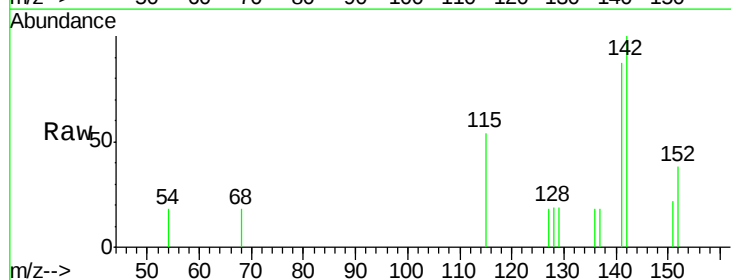
Acq: 08 Jun 2020 15:01

Tgt Ion:142 Resp: 602

Ion Ratio Lower Upper

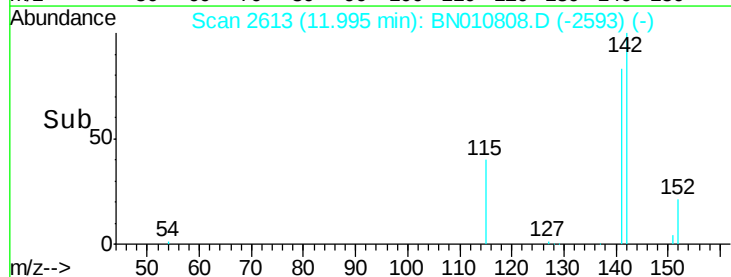
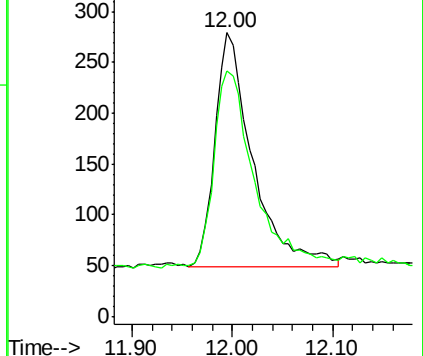
142 100

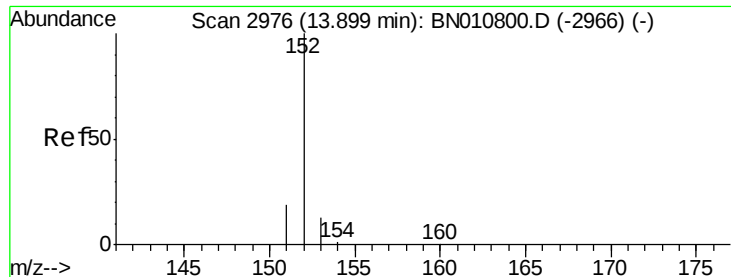
141 88.0 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.062 ng/ul

RT: 13.90 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BN010808.D

Acq: 08 Jun 2020 15:01

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-07

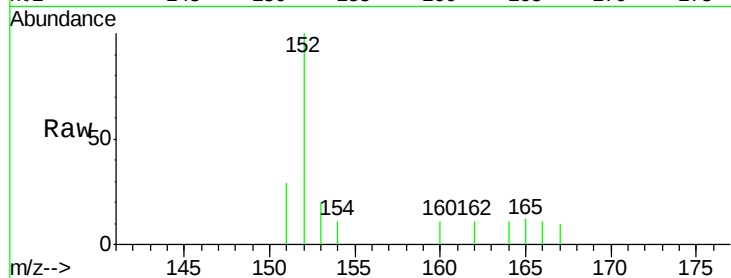
Tot Ion:152 Resp: 804

Ion Ratio Lower Upper

152 100

151 29.3 16.3 24.5#

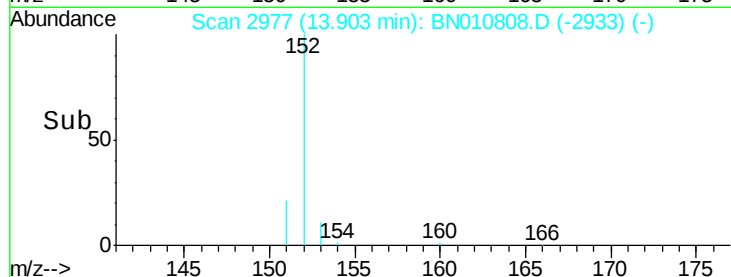
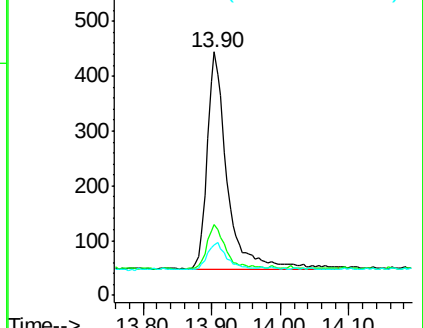
153 20.5 11.4 17.2#



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



#8

Acenaphthene

Concen: 0.062 ng/ul

RT: 14.25 min Scan# 3052

Delta R.T. 0.00 min

Lab File: BN010808.D

Acq: 08 Jun 2020 15:01

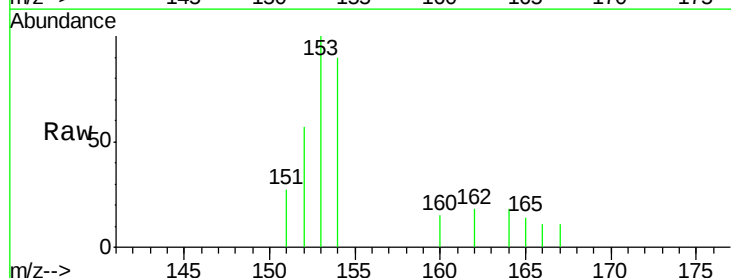
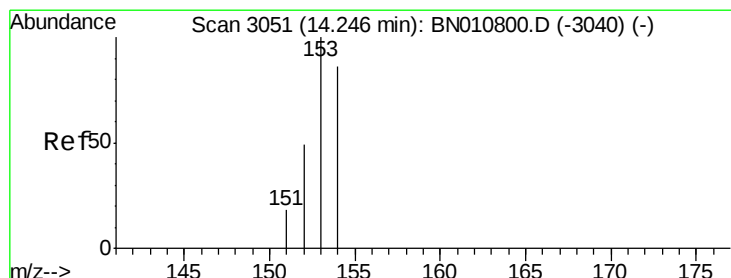
Tgt Ion:153 Resp: 670

Ion Ratio Lower Upper

153 100

152 57.0 40.1 60.1

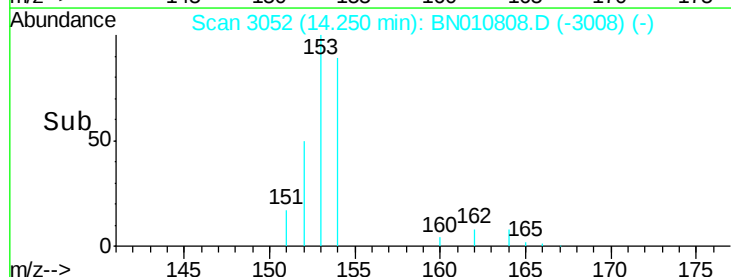
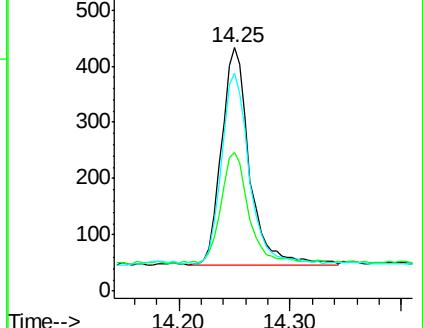
154 89.6 70.6 106.0

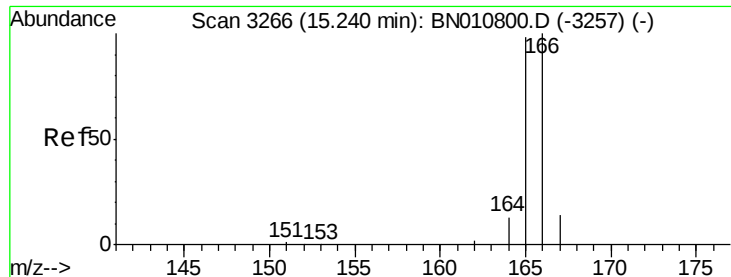


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.059 ng/ul

RT: 15.25 min Scan# 3269

Delta R.T. 0.01 min

Lab File: BN010808.D

Acq: 08 Jun 2020 15:01

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-07

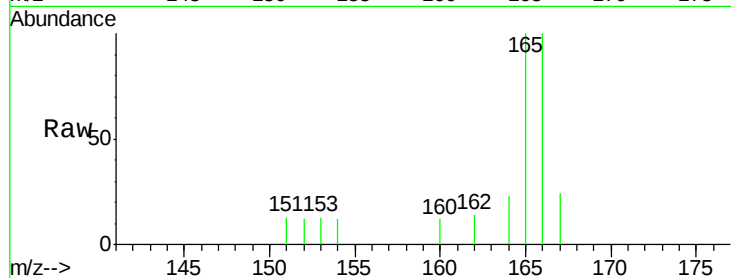
Tot Ion:166 Resp: 702

Ion Ratio Lower Upper

166 100

165 100.3 77.3 115.9

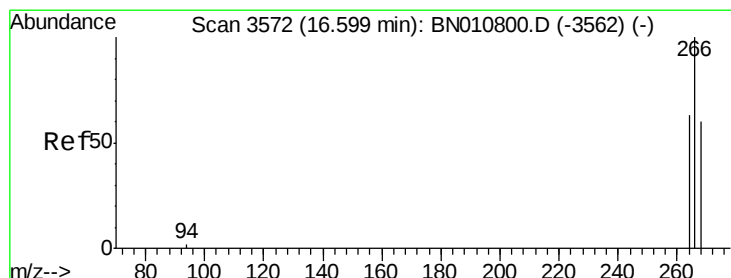
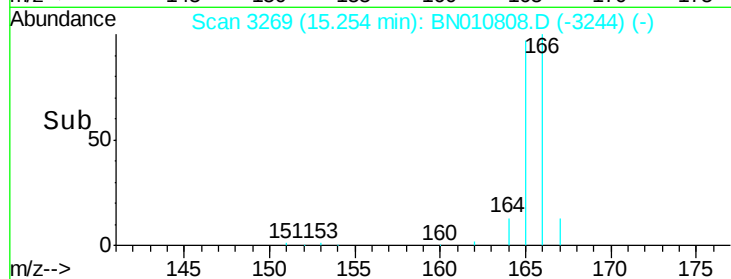
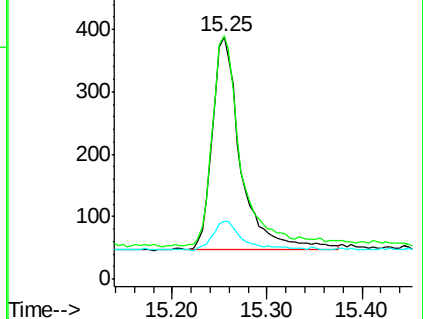
167 23.7 12.1 18.1#



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



#11

Pentachlorophenol

Concen: 0.059 ng/ul

RT: 16.62 min Scan# 3576

Delta R.T. 0.02 min

Lab File: BN010808.D

Acq: 08 Jun 2020 15:01

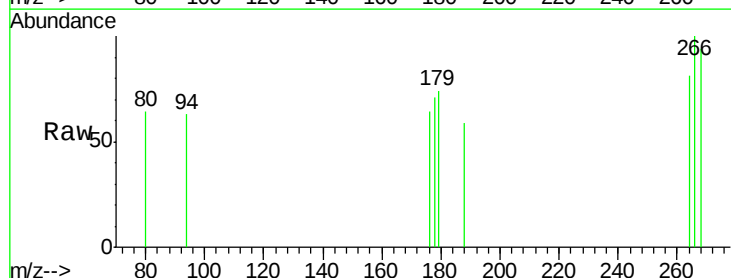
Tgt Ion:266 Resp: 77

Ion Ratio Lower Upper

266 100

264 49.4 50.3 75.5#

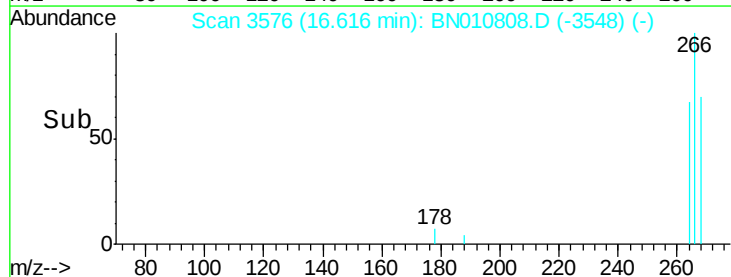
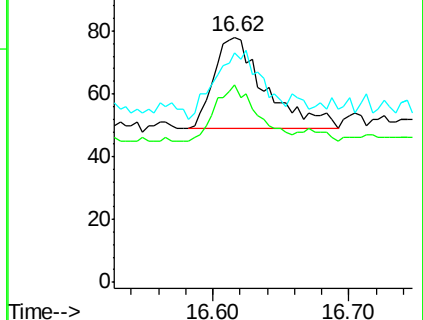
268 67.5 54.8 82.2

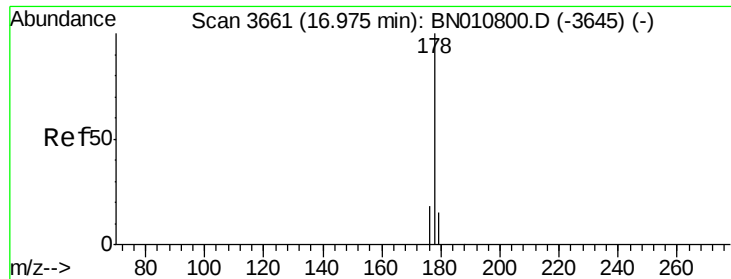


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.062 ng/ul

RT: 16.98 min Scan# 3662

Delta R.T. 0.00 min

Lab File: BN010808.D

Acq: 08 Jun 2020 15:01

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-07

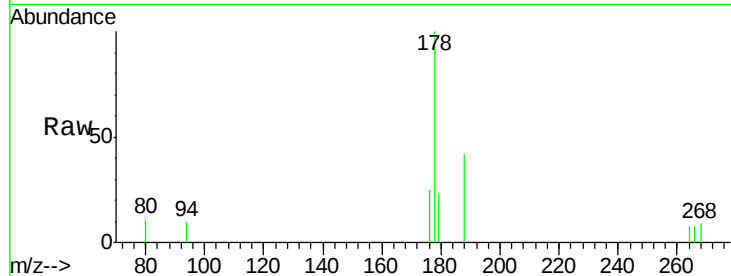
Tot Ion:178 Resp: 1129

Ion Ratio Lower Upper

178 100

179 23.3 13.0 19.6#

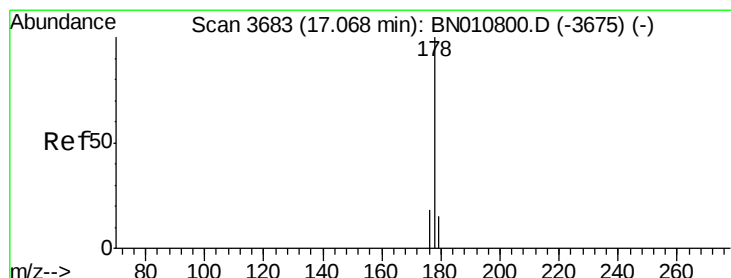
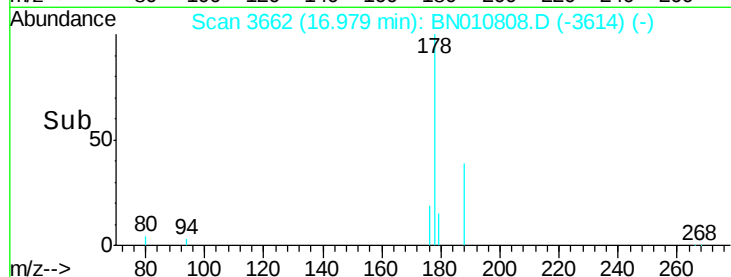
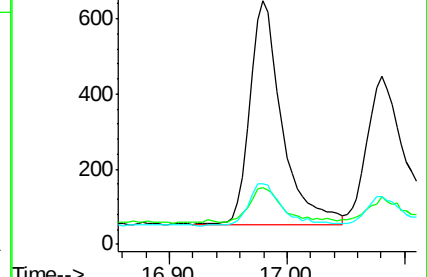
176 25.2 15.8 23.8#



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



#13

Anthracene

Concen: 0.057 ng/ul

RT: 17.08 min Scan# 3686

Delta R.T. 0.01 min

Lab File: BN010808.D

Acq: 08 Jun 2020 15:01

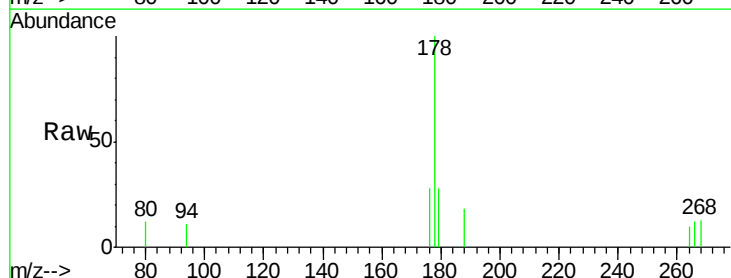
Tgt Ion:178 Resp: 861

Ion Ratio Lower Upper

178 100

179 28.1 13.6 20.4#

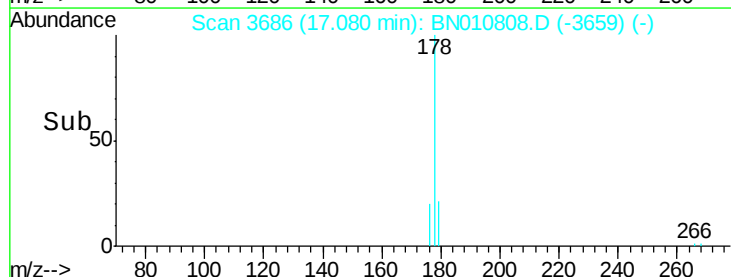
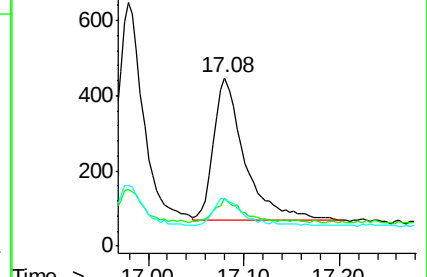
176 28.3 15.5 23.3#

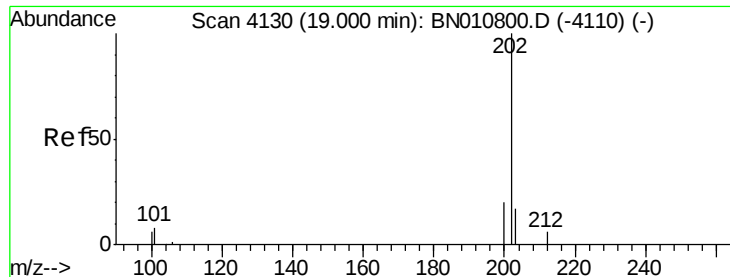


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.062 ng/ul

RT: 19.00 min Scan# 4131

Delta R.T. 0.00 min

Lab File: BN010808.D

Acq: 08 Jun 2020 15:01

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-07

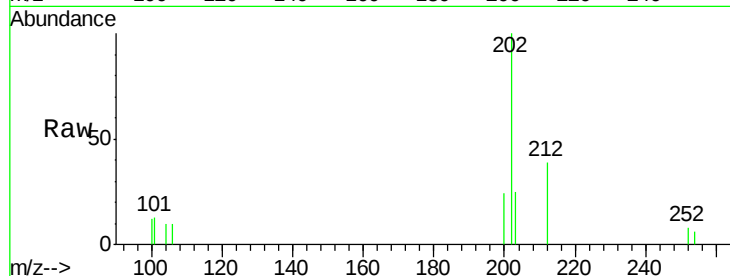
Tot Ion:202 Resp: 1267

Ion Ratio Lower Upper

202 100

101 13.3 0.0 29.8

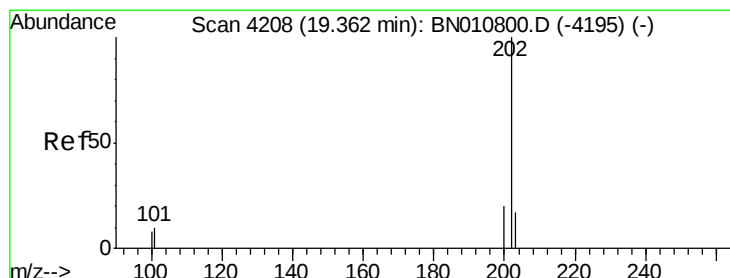
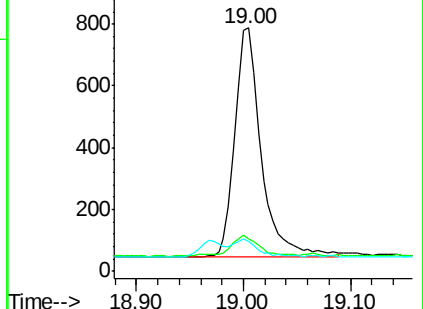
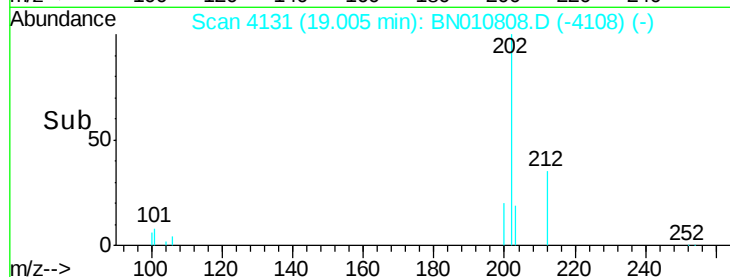
100 12.1 0.0 28.0



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



#17

Pyrene

Concen: 0.063 ng/ul

RT: 19.37 min Scan# 4209

Delta R.T. 0.00 min

Lab File: BN010808.D

Acq: 08 Jun 2020 15:01

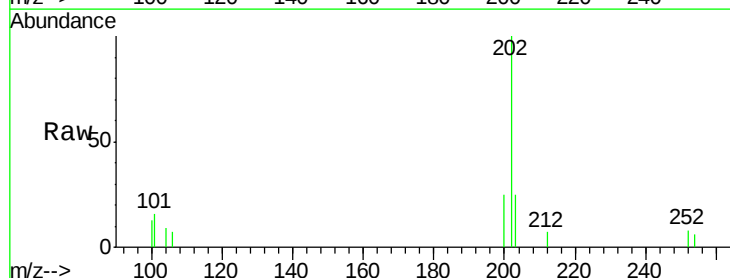
Tgt Ion:202 Resp: 1260

Ion Ratio Lower Upper

202 100

101 15.8 8.6 12.8#

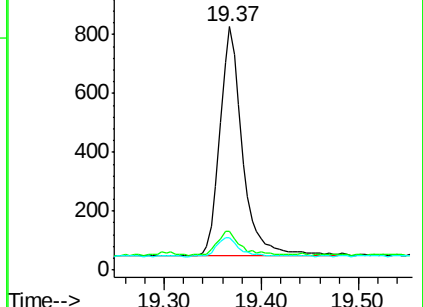
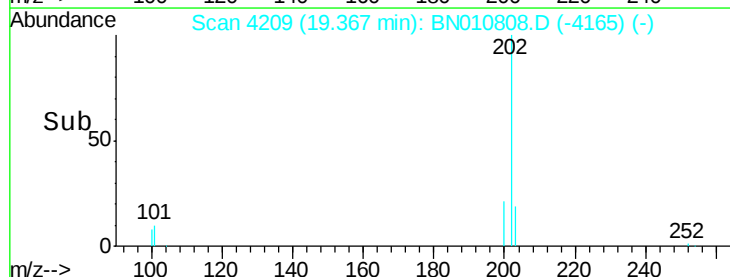
100 13.4 7.1 10.7#

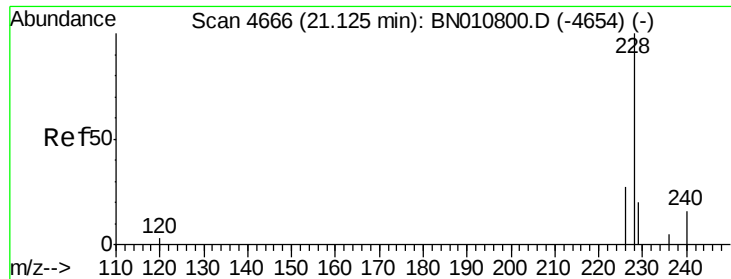


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.059 ng/ul

RT: 21.13 min Scan# 4668

Delta R.T. 0.01 min

Lab File: BN010808.D

Acq: 08 Jun 2020 15:01

Instrument :

BNA_N

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MDL-WATER-07

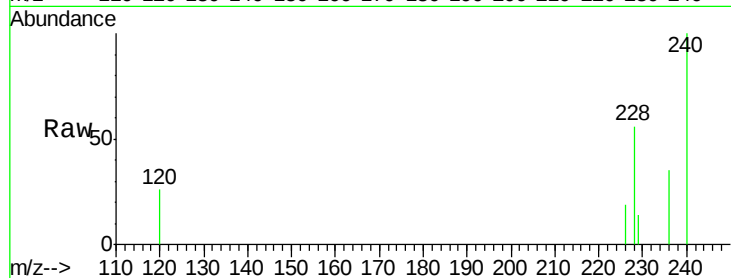
Tot Ion:228 Resp: 963

Ion Ratio Lower Upper

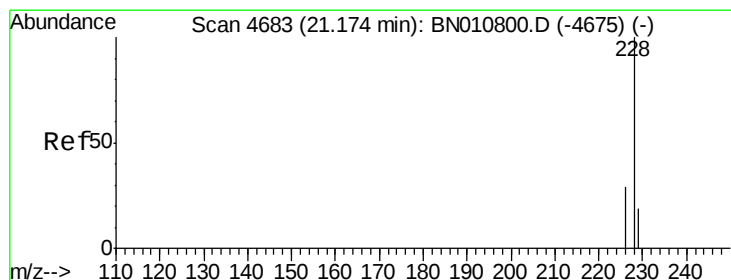
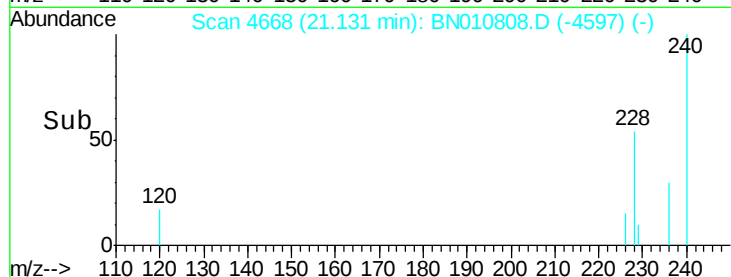
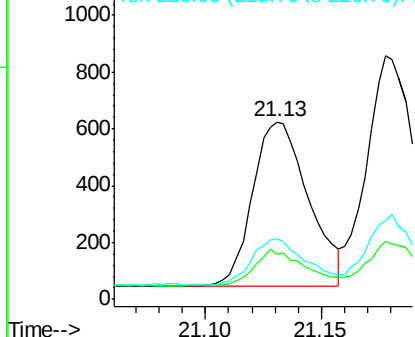
228 100

229 25.4 16.0 24.0#

226 33.8 22.9 34.3



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



#19

Chrysene

Concen: 0.063 ng/ul

RT: 21.18 min Scan# 4684

Delta R.T. 0.00 min

Lab File: BN010808.D

Acq: 08 Jun 2020 15:01

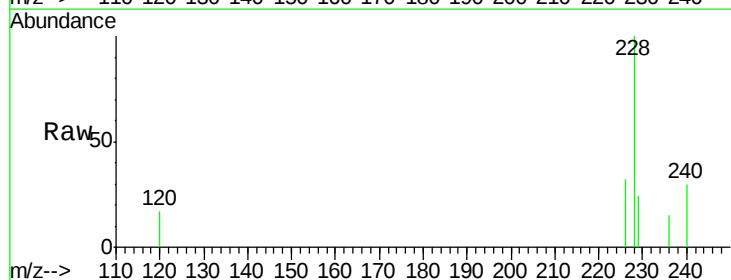
Tgt Ion:228 Resp: 1318

Ion Ratio Lower Upper

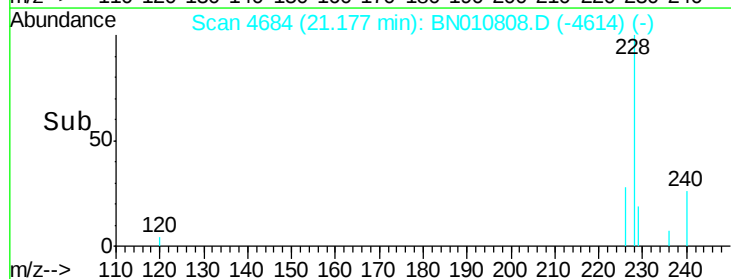
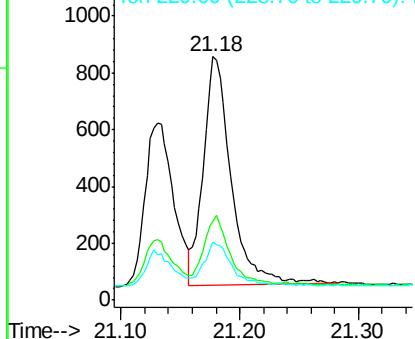
228 100

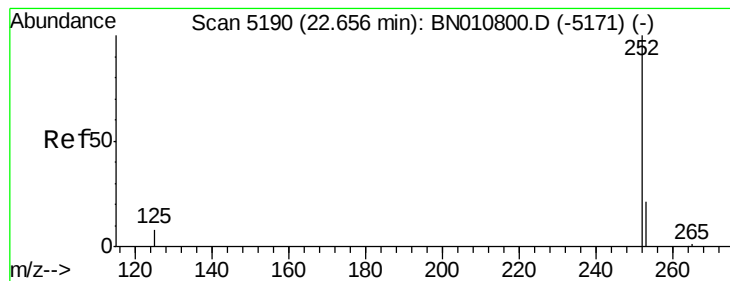
226 32.1 23.7 35.5

229 24.0 16.2 24.2



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





#21

Benzo(b)fluoranthene

Concen: 0.060 ng/u1

RT: 22.66 min Scan# 5192

Delta R.T. 0.01 min

Lab File: BN010808.D

Acq: 08 Jun 2020 15:01

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-07

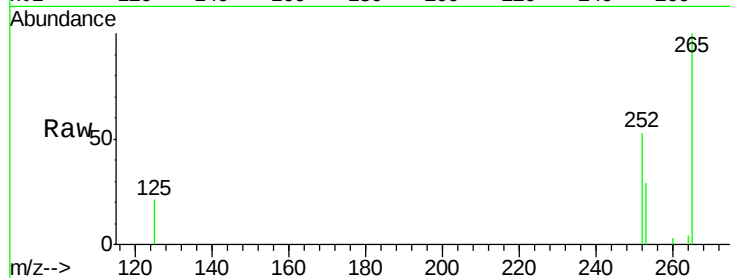
Tot Ion:252 Resp: 1161

Ion Ratio Lower Upper

252 100

253 54.9 0.0 57.6

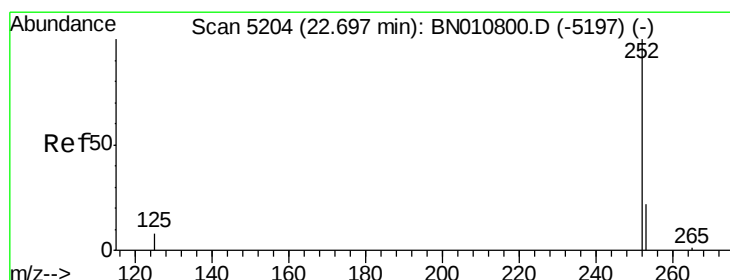
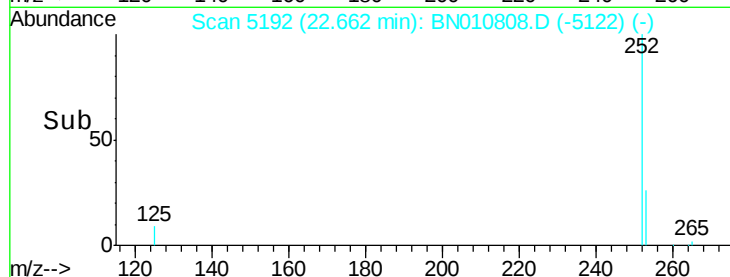
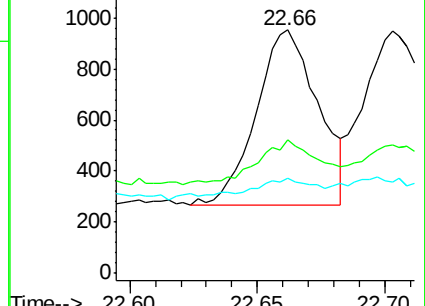
125 38.8 0.0 29.4#



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

Benzo(k)fluoranthene

Concen: 0.066 ng/u1

RT: 22.70 min Scan# 5206

Delta R.T. 0.01 min

Lab File: BN010808.D

Acq: 08 Jun 2020 15:01

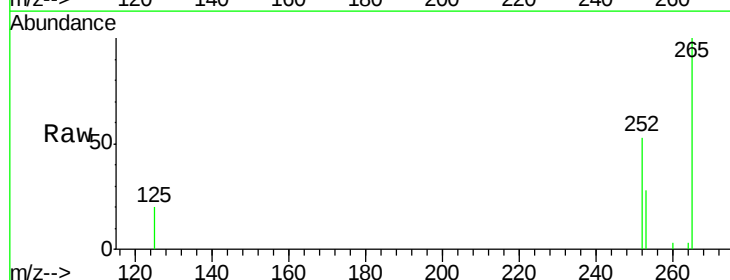
Tgt Ion:252 Resp: 1344

Ion Ratio Lower Upper

252 100

253 52.9 22.7 34.1#

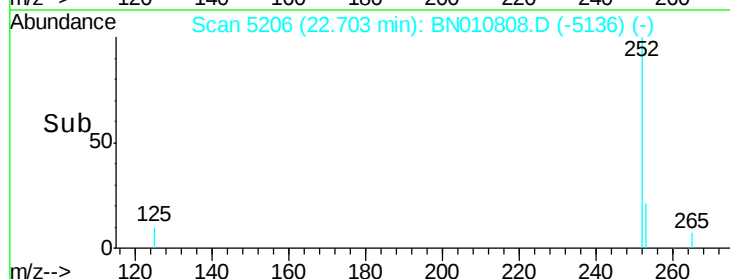
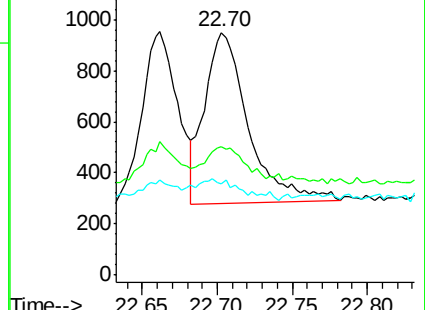
125 37.8 12.2 18.4#

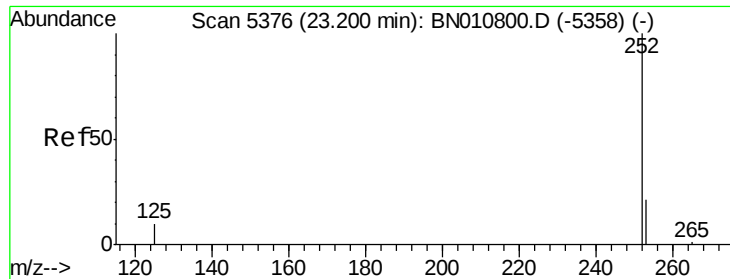


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.068 ng/u1

RT: 23.21 min Scan# 5379

Delta R.T. 0.01 min

Lab File: BN010808.D

Acq: 08 Jun 2020 15:01

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-07

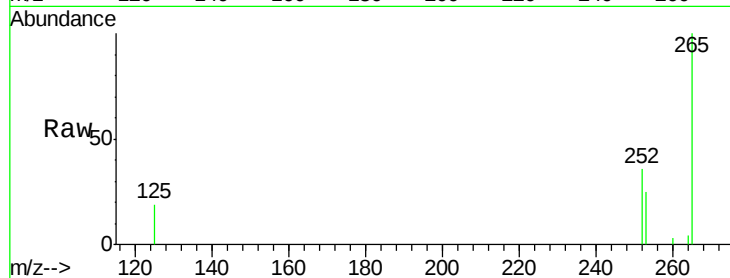
Tot Ion:252 Resp: 1118

Ion Ratio Lower Upper

252 100

253 68.3 26.3 39.5#

125 53.4 16.1 24.1#

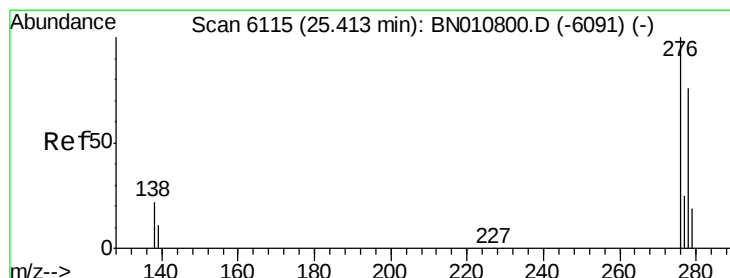
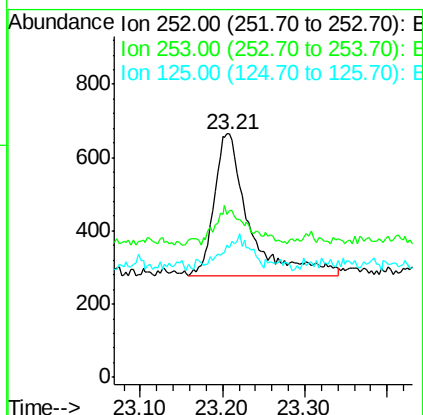
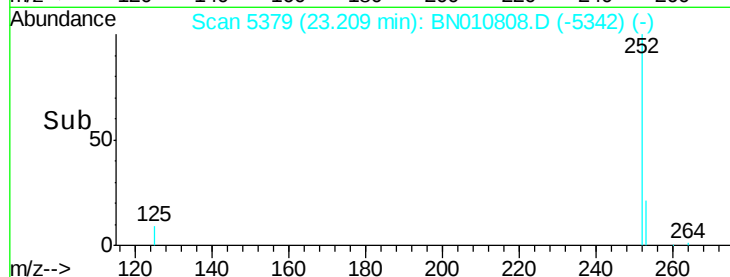


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.061 ng/u1

RT: 25.42 min Scan# 6116

Delta R.T. 0.00 min

Lab File: BN010808.D

Acq: 08 Jun 2020 15:01

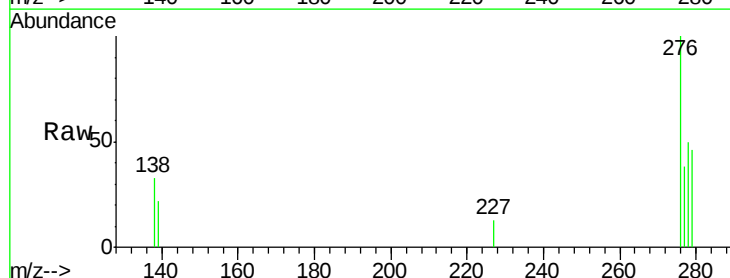
Tgt Ion:276 Resp: 1370

Ion Ratio Lower Upper

276 100

138 0.0 17.6 26.4#

227 0.2 0.1 0.1#

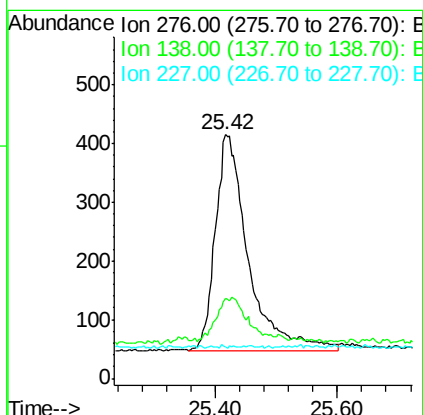
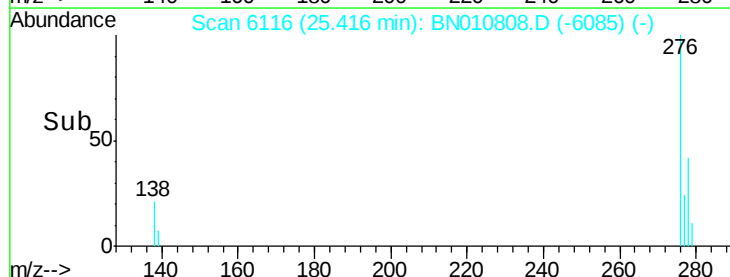


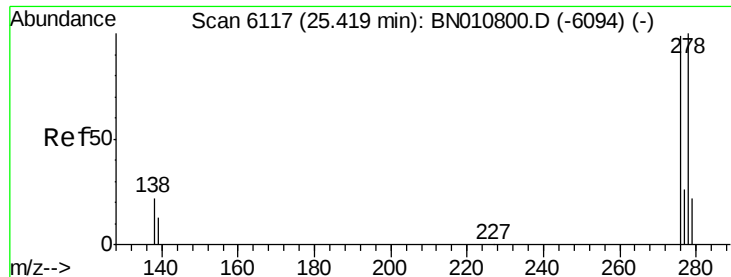
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

Time-->

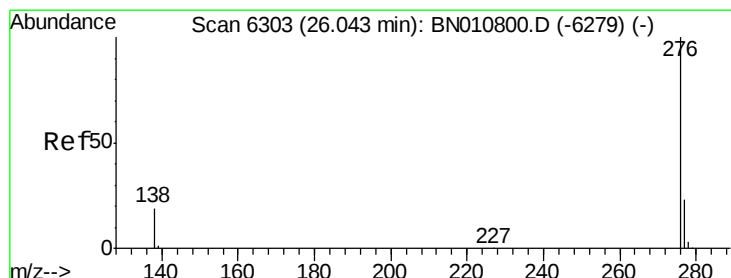
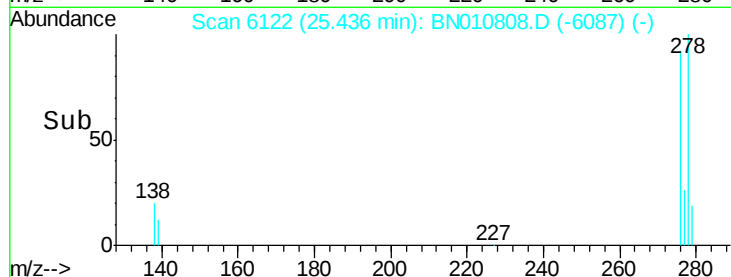
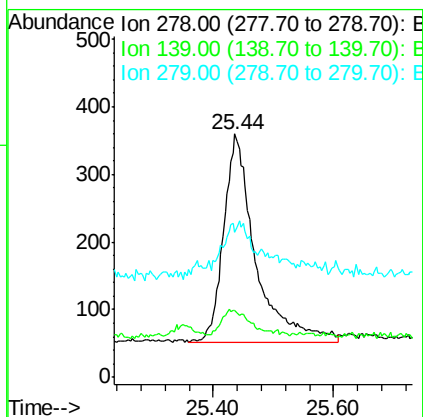
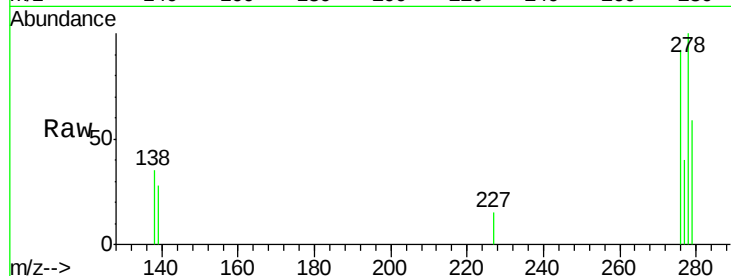




#25
Dibenzo(a,h)anthracene
Concen: 0.062 ng/u1
RT: 25.44 min Scan# 6122
Delta R.T. 0.02 min
Lab File: BN010808.D
Acq: 08 Jun 2020 15:01

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-07

Tot Ion:278 Resp: 1129
Ion Ratio Lower Upper
278 100
139 27.5 13.7 20.5#
279 59.4 23.9 35.9#



#26
Benzo(g,h,i)perylene
Concen: 0.063 ng/u1
RT: 26.06 min Scan# 6307
Delta R.T. 0.01 min
Lab File: BN010808.D
Acq: 08 Jun 2020 15:01

Tgt Ion:276 Resp: 1309
Ion Ratio Lower Upper
276 100
138 31.8 17.5 26.3#
277 36.1 20.7 31.1#

