

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111220\
 Data File : BN012567.D
 Acq On : 12 Nov 2020 16:51
 Operator : CG/JU
 Sample : L4485-12
 Misc : WATER MDL05
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-05

Quant Time: Nov 12 17:22:55 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 : Thu Nov 12 12:44:03 2020
 Response via : Initial Calibration

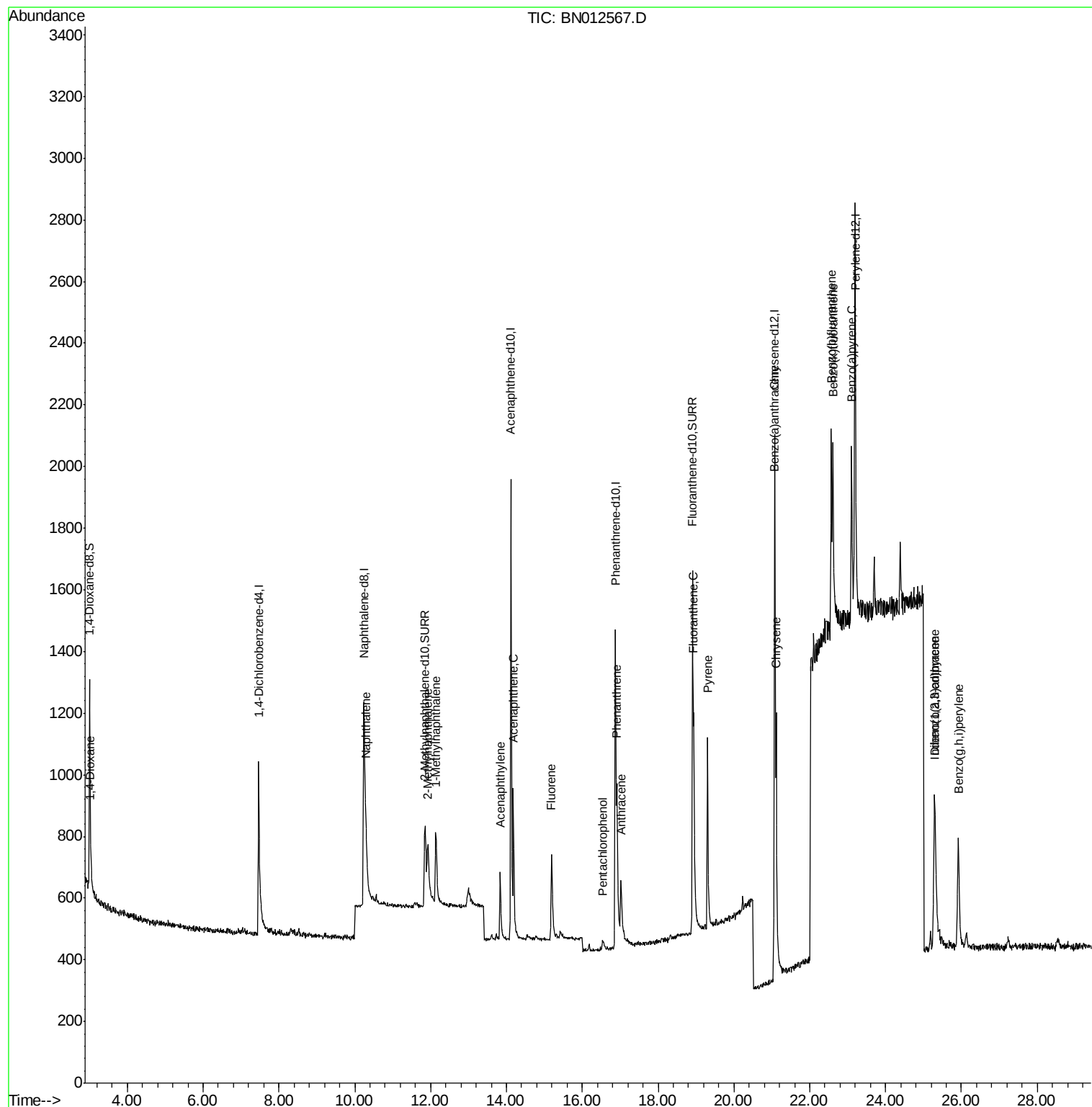
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	491	0.40	ng/ul	0.00
4) Naphthalene-d8	10.24	136	1893	0.40	ng/ul	0.01
9) Acenaphthene-d10	14.12	164	1051	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.87	188	2076	0.40	ng/ul	0.00
19) Chrysene-d12	21.08	240	1846	0.40	ng/ul	0.00
23) Perylene-d12	23.19	264	2036	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.00	96	444	0.67	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.85	152	866	0.32	ng/ul	0.02
17) Fluoranthene-d10	18.91	212	1933	0.37	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.04	88	60	0.089	ng/ul#	77
5) Naphthalene	10.29	128	438	0.082	ng/ul#	53
7) 2-Methylnaphthalene	11.93	142	282	0.082	ng/ul	99
8) 1-Methylnaphthalene	12.14	142	263	0.080	ng/ul	100
10) Acenaphthylene	13.83	152	372	0.080	ng/ul#	67
11) Acenaphthene	14.18	153	342	0.086	ng/ul	94
12) Fluorene	15.18	166	344	0.077	ng/ul#	91
14) Pentachlorophenol	16.54	266	44	0.078	ng/ul#	83
15) Phenanthrene	16.92	178	549	0.080	ng/ul#	69
16) Anthracene	17.02	178	427	0.076	ng/ul#	59
18) Fluoranthene	18.94	202	729	0.096	ng/ul#	77
20) Pyrene	19.30	202	769	0.088	ng/ul#	80
21) Benzo(a)anthracene	21.06	228	577	0.086	ng/ul#	85
22) Chrysene	21.11	228	799	0.099	ng/ul#	86
24) Benzo(b)fluoranthene	22.57	252	807	0.093	ng/ul#	41
25) Benzo(k)fluoranthene	22.61	252	994	0.099	ng/ul#	47
26) Benzo(a)pyrene	23.11	252	762	0.093	ng/ul#	25
27) Indeno(1,2,3-cd)pyrene	25.28	276	951	0.088	ng/ul	93
28) Dibenzo(a,h)anthracene	25.31	278	706	0.082	ng/ul#	37
29) Benzo(g,h,i)perylene	25.92	276	883	0.089	ng/ul#	80

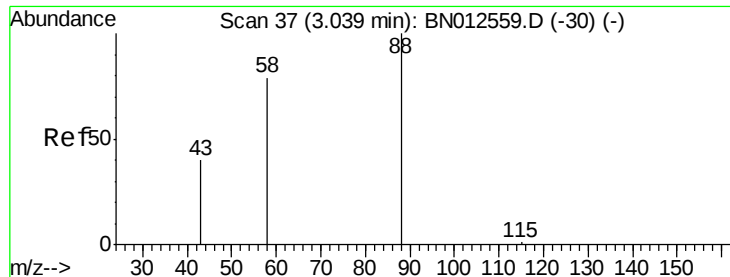
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 12 12:44:03 2020
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 0.089 ng/ul

RT: 3.04 min Scan# 37

Delta R.T. -0.00 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-05

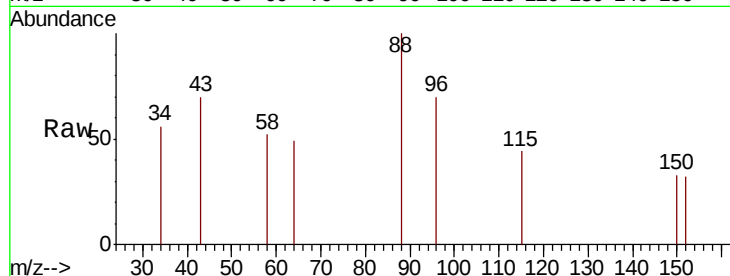
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 69.5 42.7 64.1#

58 52.3 57.3 85.9#

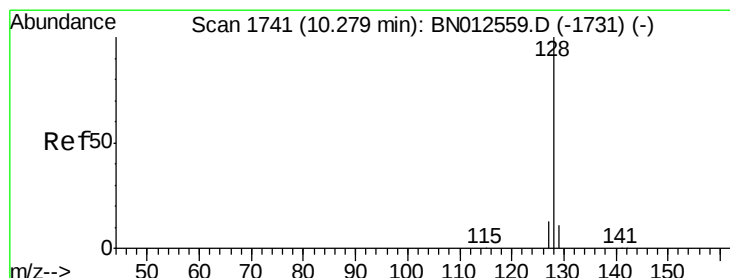
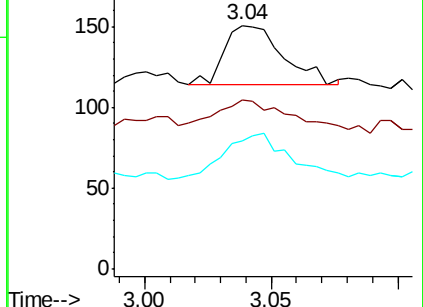
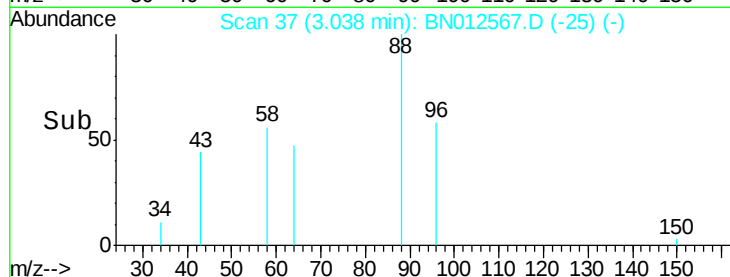


Abundance Ion 88.00 (87.70 to 88.70): BN012559.D (-30) (-)

Ion 43.00 (42.70 to 43.70): BN012559.D (-30) (-)

Ion 58.00 (57.70 to 58.70): BN012559.D (-30) (-)

Time-->



#5

Naphthalene

Concen: 0.082 ng/ul

RT: 10.29 min Scan# 1743

Delta R.T. 0.01 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

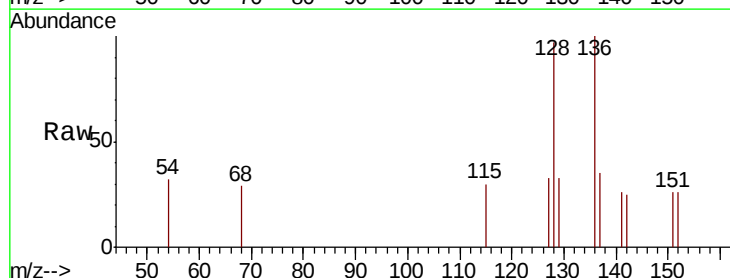
Tgt Ion: 128 Resp: 438

Ion Ratio Lower Upper

128 100

129 33.9 11.1 16.7#

127 34.5 12.6 18.8#

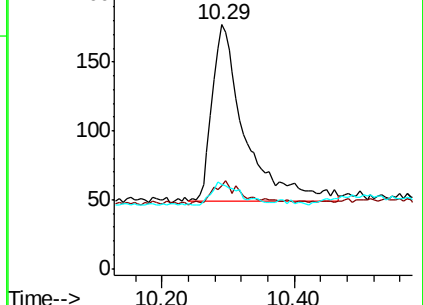
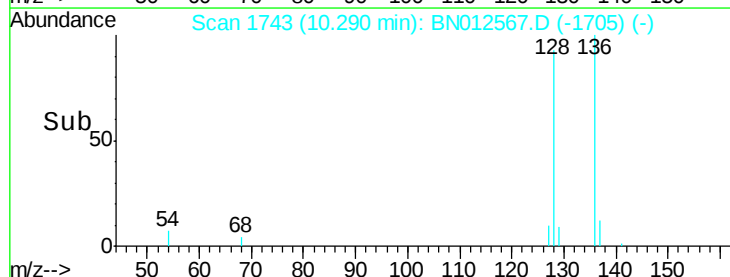


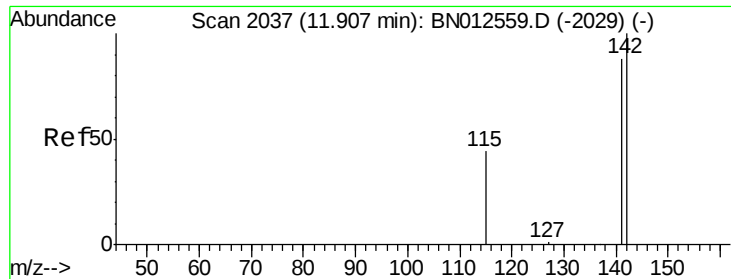
Abundance Ion 128.00 (127.70 to 128.70): BN012559.D (-1731) (-)

Ion 129.00 (128.70 to 129.70): BN012559.D (-1731) (-)

Ion 127.00 (126.70 to 127.70): BN012559.D (-1731) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.082 ng/ul

RT: 11.93 min Scan# 2041

Delta R.T. 0.02 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

Instrument :

BNA_N

ClientSampleId :

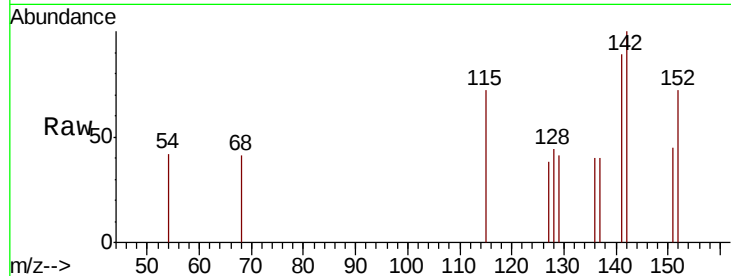
MDL-WATER-05

Tot Ion:142 Resp: 282

Ion Ratio Lower Upper

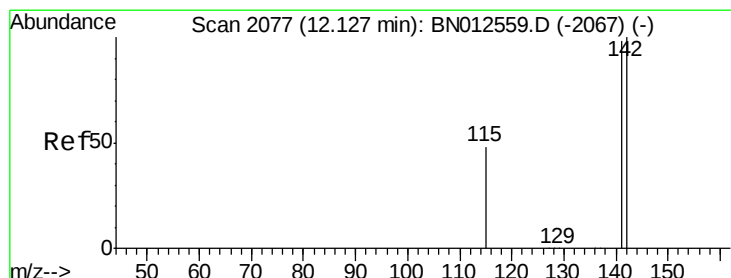
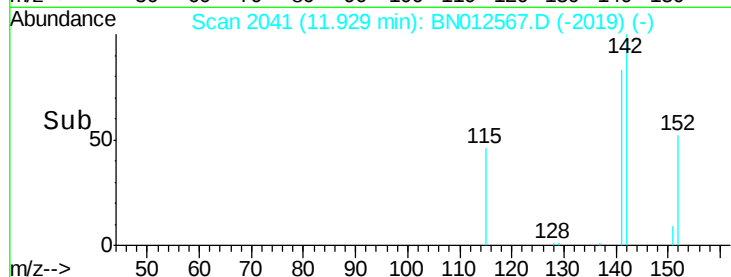
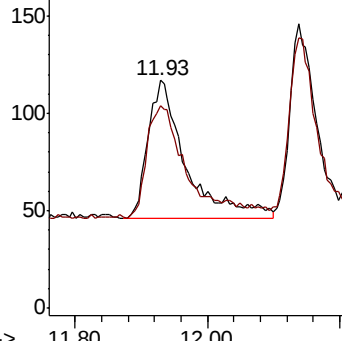
142 100

141 89.0 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: 0.080 ng/ul

RT: 12.14 min Scan# 2079

Delta R.T. 0.01 min

Lab File: BN012567.D

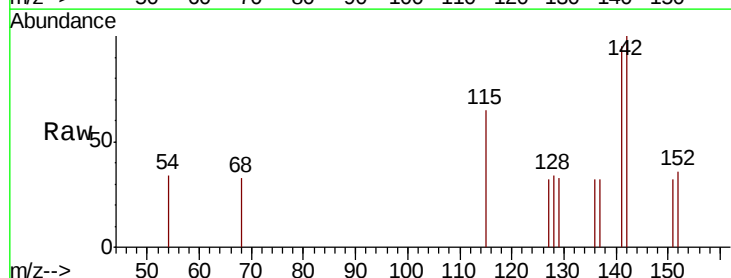
Acq: 12 Nov 2020 16:51

Tgt Ion:142 Resp: 263

Ion Ratio Lower Upper

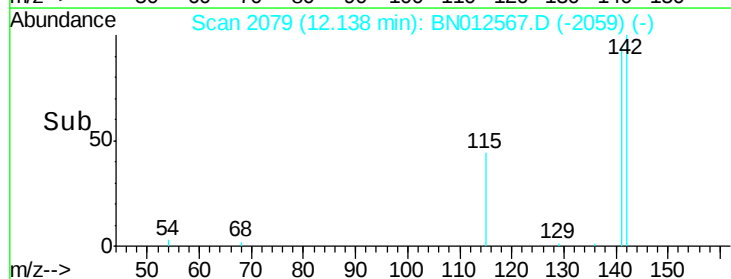
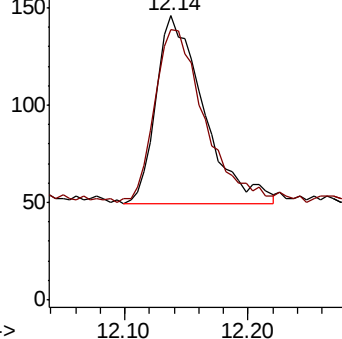
142 100

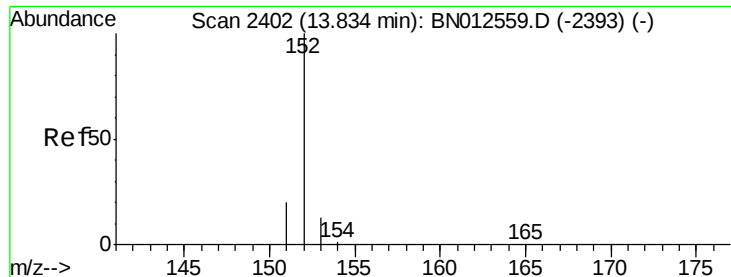
141 94.3 75.3 112.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.080 ng/ul

RT: 13.83 min Scan# 2402

Delta R.T. -0.00 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-05

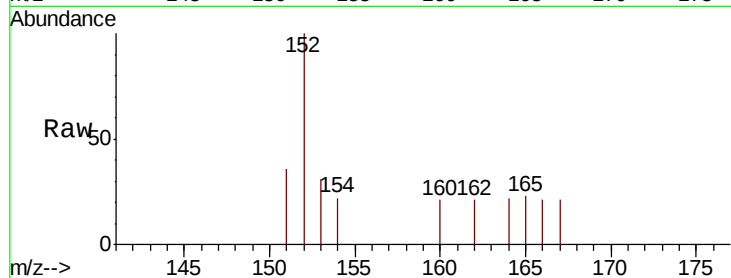
Tot Ion:152 Resp: 372

Ion Ratio Lower Upper

152 100

151 35.5 17.0 25.4#

153 31.3 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

13.83

250

200

150

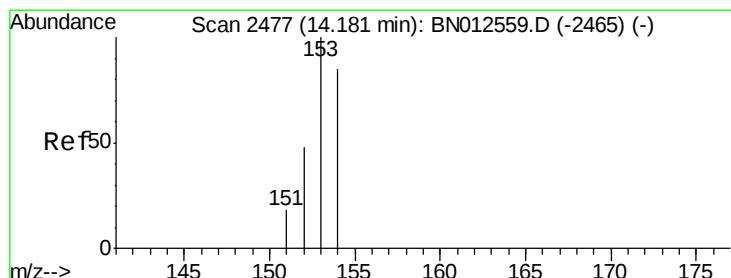
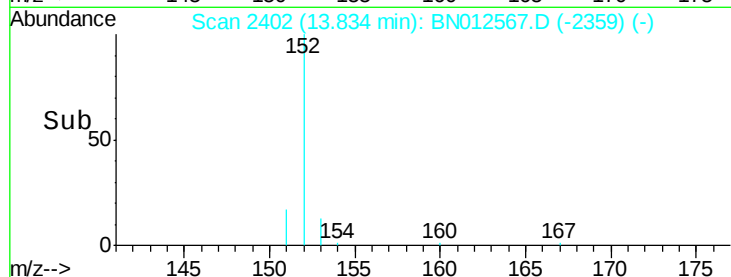
100

50

0

13.80 13.90

Time-->



#11

Acenaphthene

Concen: 0.086 ng/ul

RT: 14.18 min Scan# 2477

Delta R.T. -0.00 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

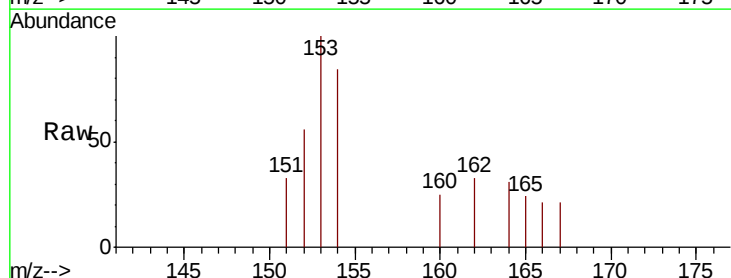
Tgt Ion:153 Resp: 342

Ion Ratio Lower Upper

153 100

152 56.3 39.9 59.9

154 83.9 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

14.18

300

250

200

150

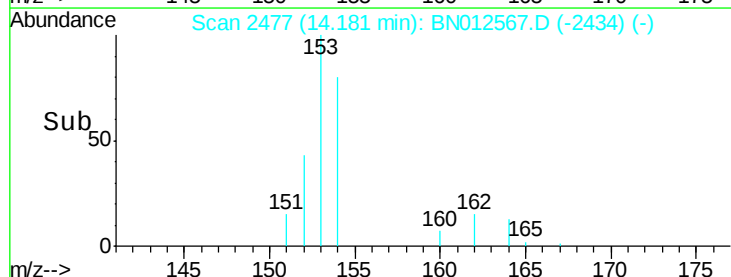
100

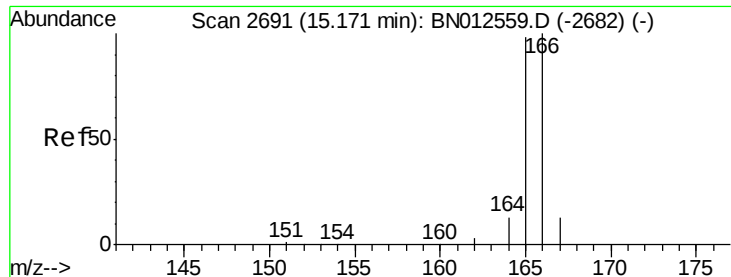
50

0

14.10 14.20 14.30

Time-->





#12

Fluorene

Concen: 0.077 ng/ul

RT: 15.18 min Scan# 2694

Delta R.T. 0.01 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-05

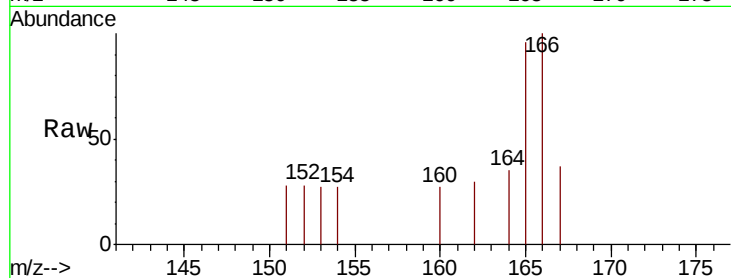
Tot Ion:166 Resp: 344

Ion Ratio Lower Upper

166 100

165 95.9 78.6 117.8

167 36.7 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

15.18

200

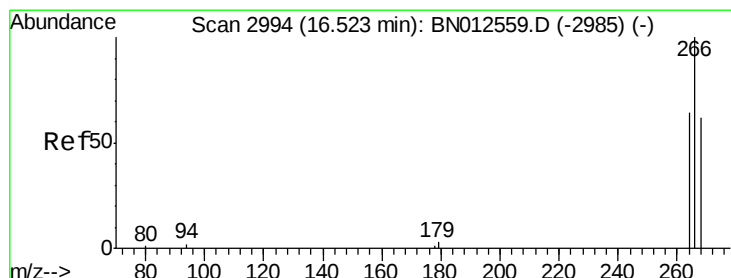
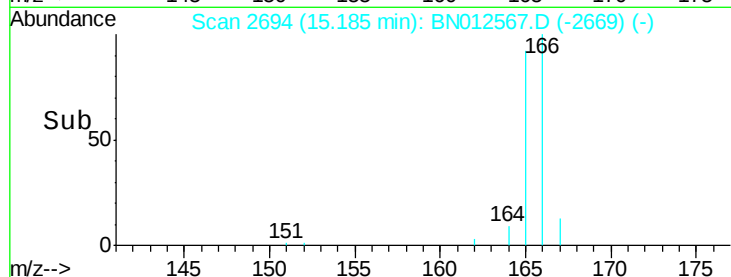
150

100

50

0

Time--> 15.10 15.20 15.30



#14

Pentachlorophenol

Concen: 0.078 ng/ul

RT: 16.54 min Scan# 2998

Delta R.T. 0.02 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

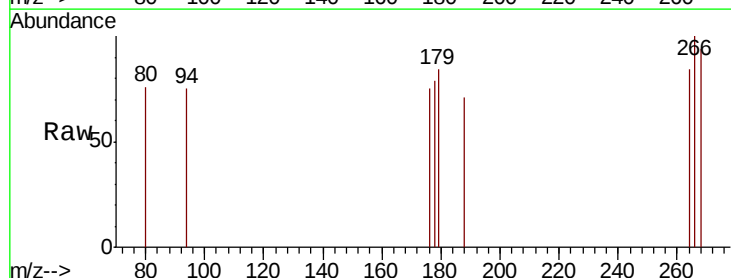
Tgt Ion:266 Resp: 44

Ion Ratio Lower Upper

266 100

264 52.3 48.6 73.0

268 86.4 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

16.54

80

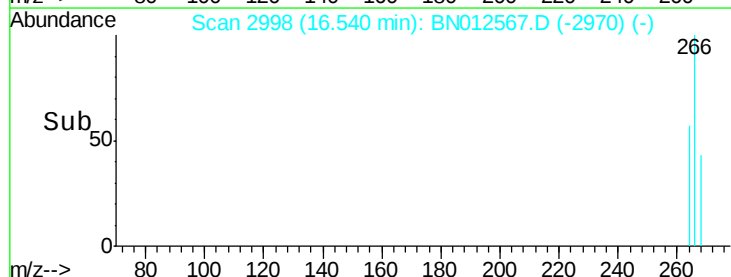
60

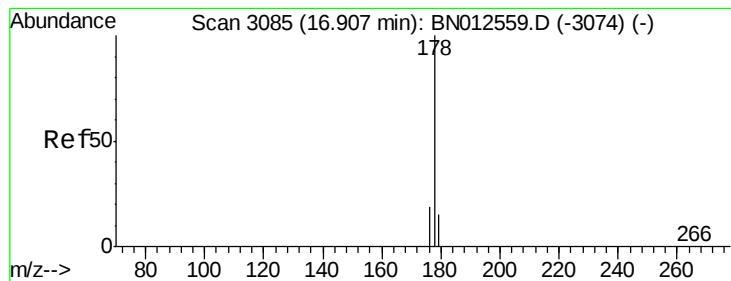
40

20

0

Time--> 16.50 16.55 16.60





#15

Phenanthrene

Concen: 0.080 ng/ul

RT: 16.92 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-05

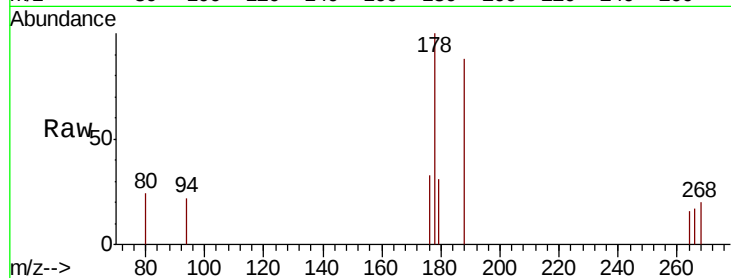
Tot Ion:178 Resp: 549

Ion Ratio Lower Upper

178 100

179 30.9 13.0 19.6#

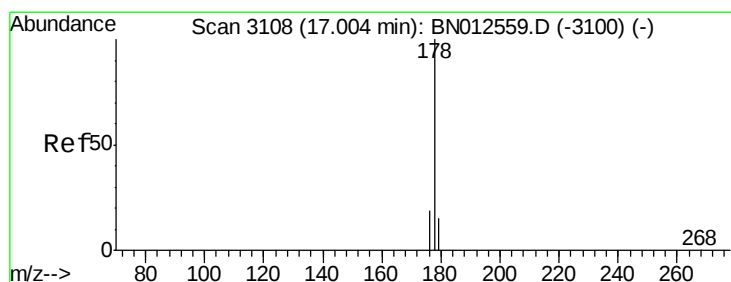
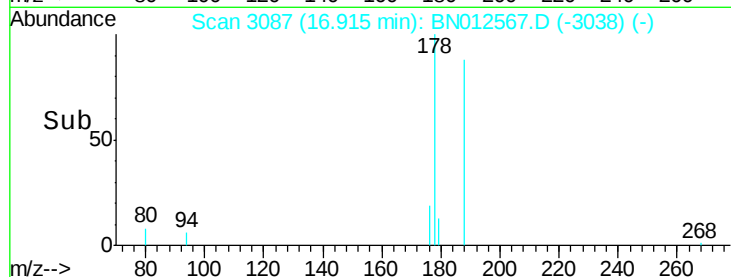
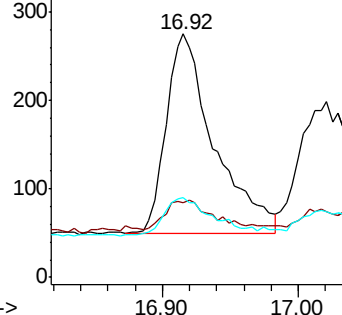
176 32.7 15.8 23.8#



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# 3112

Delta R.T. 0.02 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

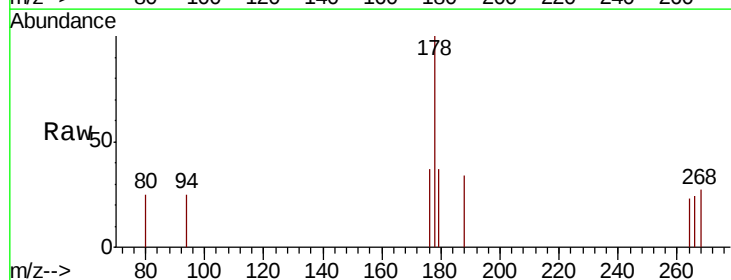
Tgt Ion:178 Resp: 427

Ion Ratio Lower Upper

178 100

179 37.4 14.2 21.4#

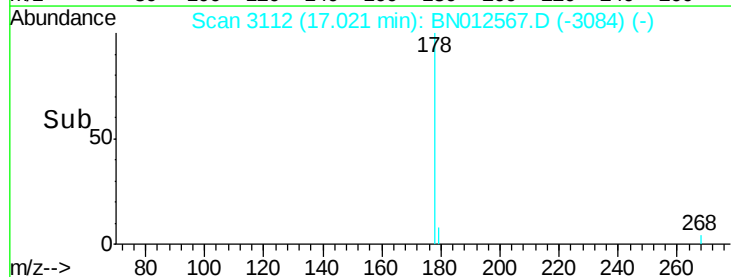
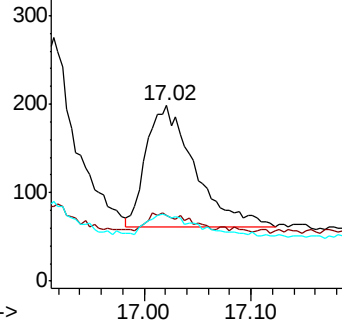
176 37.4 15.9 23.9#

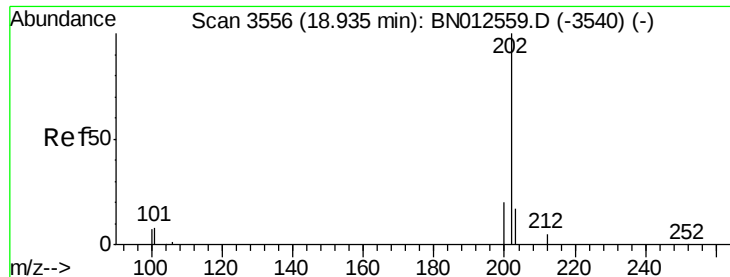


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.096 ng/ul

RT: 18.94 min Scan# 3557

Delta R.T. 0.00 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

Instrument :

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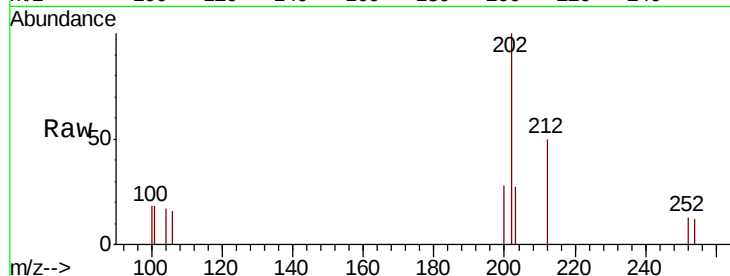
Tot Ion:202 Resp: 729

Ion Ratio Lower Upper

202 100

101 18.1 8.2 12.2#

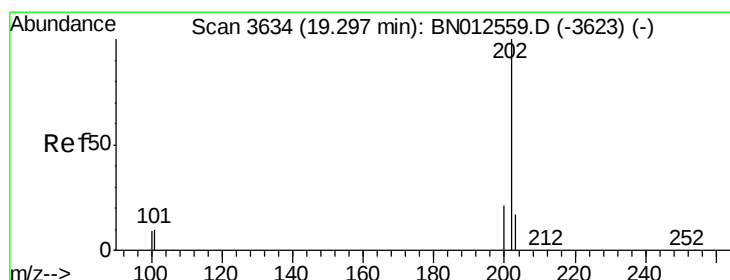
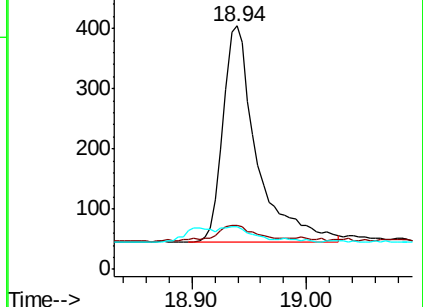
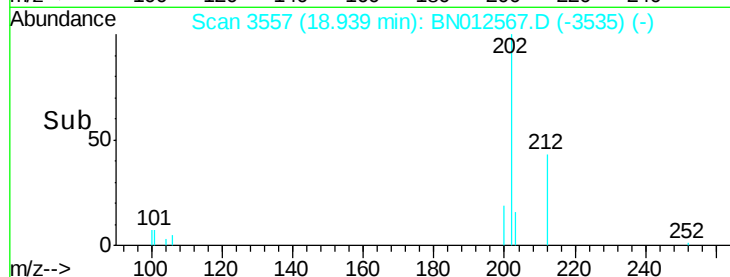
100 17.6 6.9 10.3#



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: 0.088 ng/ul

RT: 19.30 min Scan# 3635

Delta R.T. 0.00 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

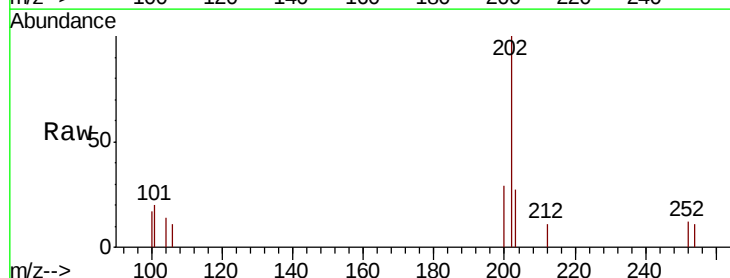
Tgt Ion:202 Resp: 769

Ion Ratio Lower Upper

202 100

101 20.1 9.4 14.2#

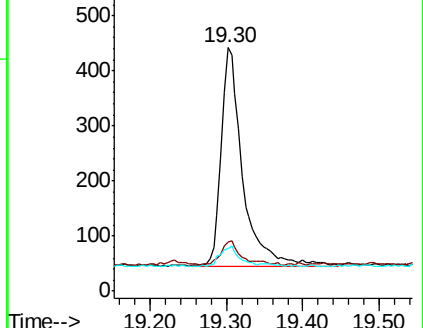
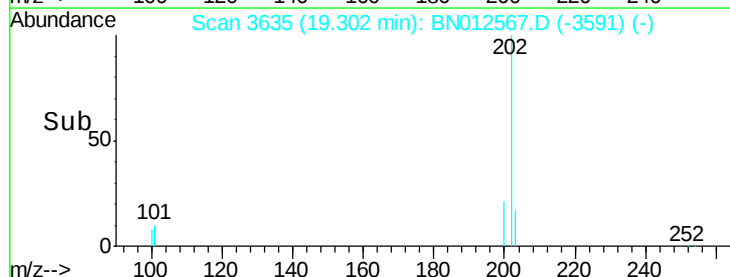
100 17.4 8.6 12.8#

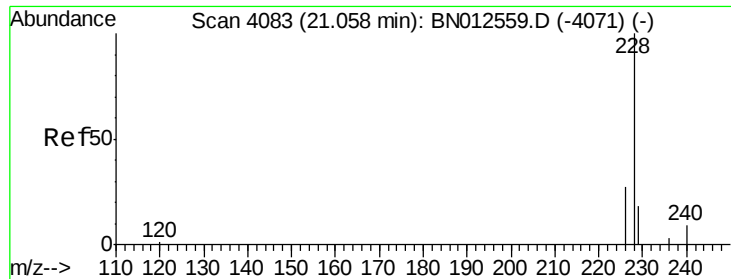


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.086 ng/ul

RT: 21.06 min Scan# 4085

Delta R.T. 0.01 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-05

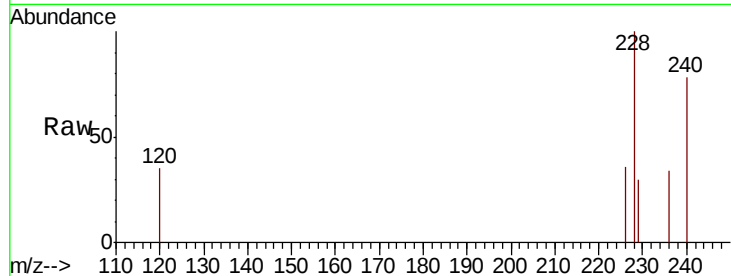
Tot Ion:228 Resp: 577

Ion Ratio Lower Upper

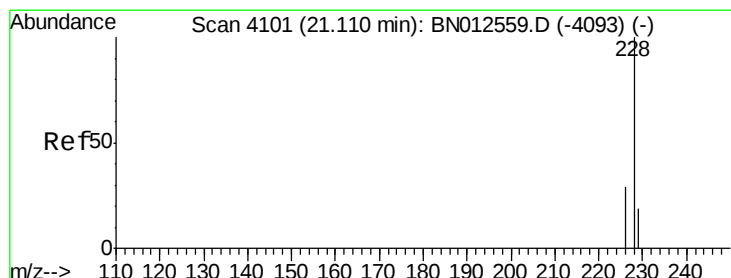
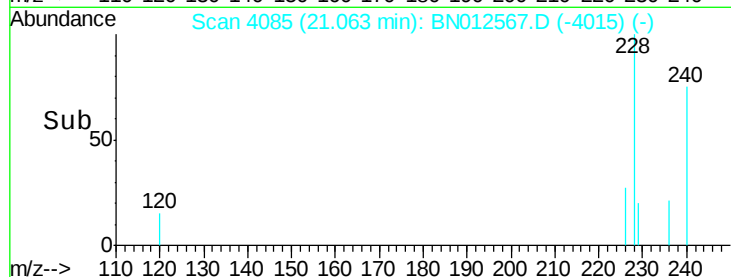
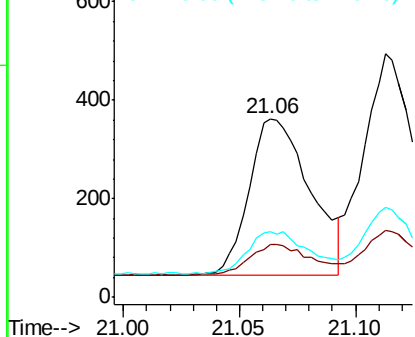
228 100

229 29.6 16.6 25.0#

226 36.5 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: 0.099 ng/ul

RT: 21.11 min Scan# 4102

Delta R.T. 0.00 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

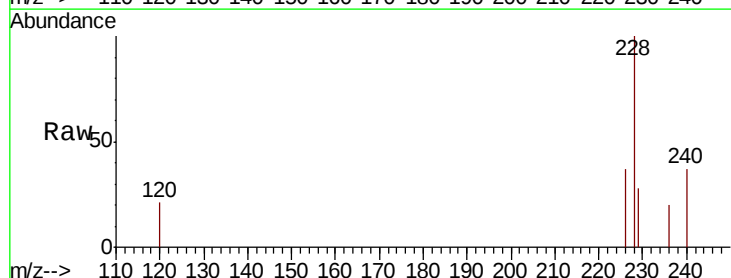
Tgt Ion:228 Resp: 799

Ion Ratio Lower Upper

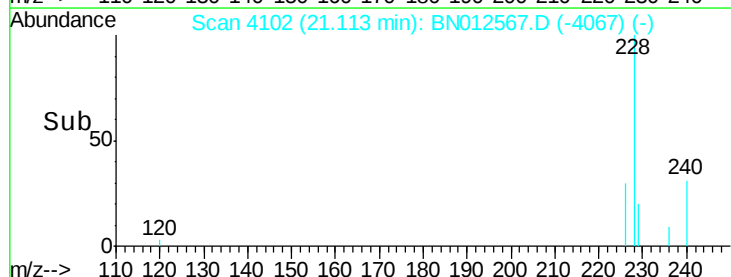
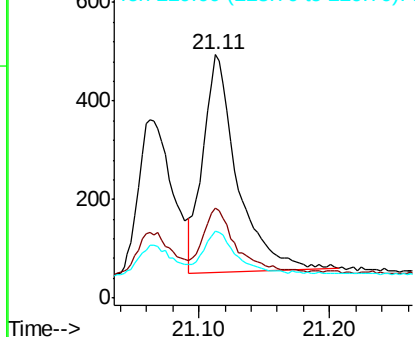
228 100

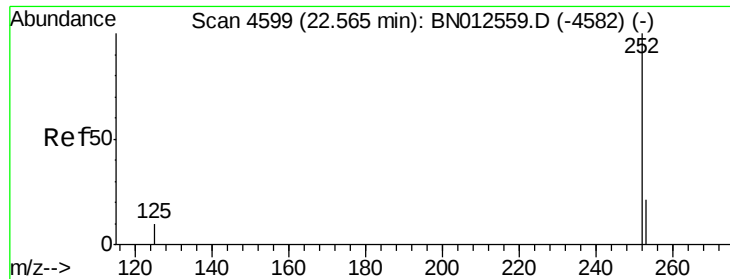
226 37.0 23.9 35.9#

229 27.5 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: 0.093 ng/ul

RT: 22.57 min Scan# 4601

Delta R.T. 0.01 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-05

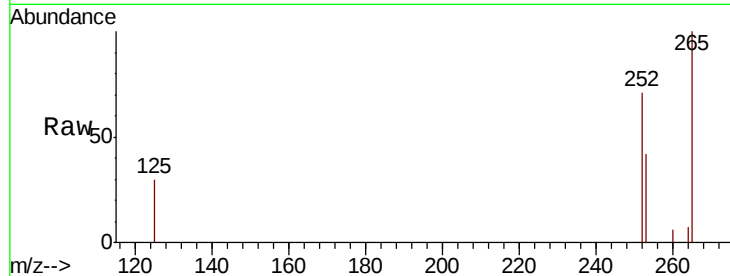
Tot Ion:252 Resp: 807

Ion Ratio Lower Upper

252 100

253 59.5 0.0 59.2#

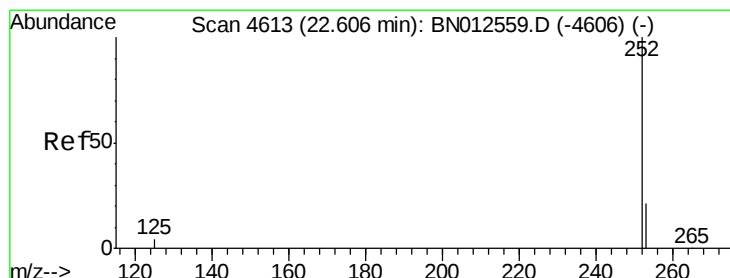
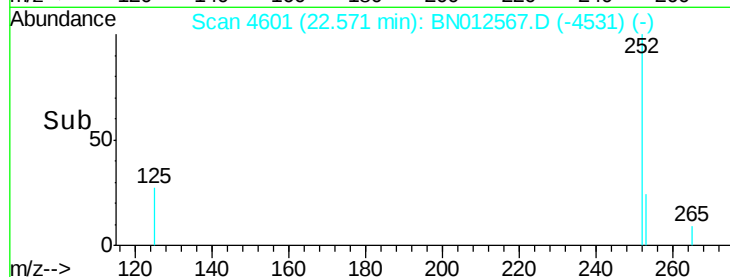
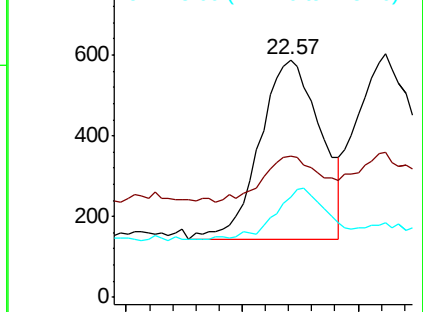
125 42.3 0.0 30.2#



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: 0.099 ng/ul

RT: 22.61 min Scan# 4615

Delta R.T. 0.01 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

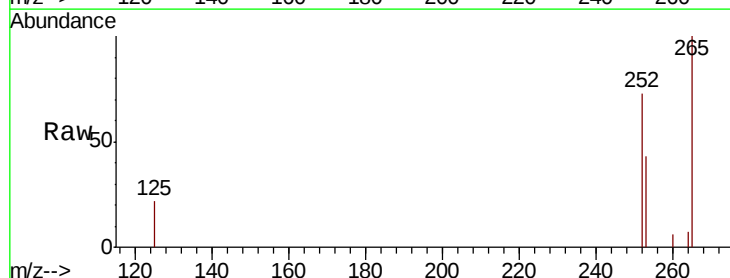
Tgt Ion:252 Resp: 994

Ion Ratio Lower Upper

252 100

253 59.5 23.3 34.9#

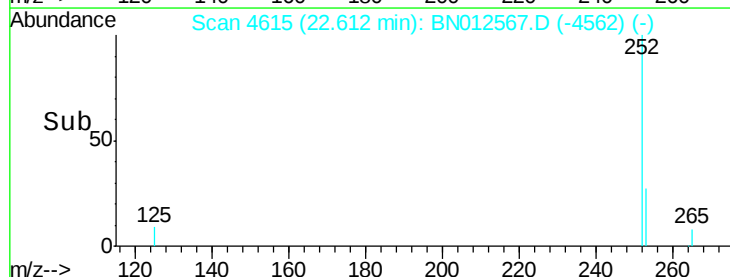
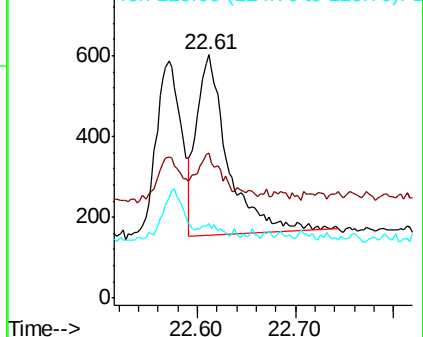
125 30.7 10.6 15.8#

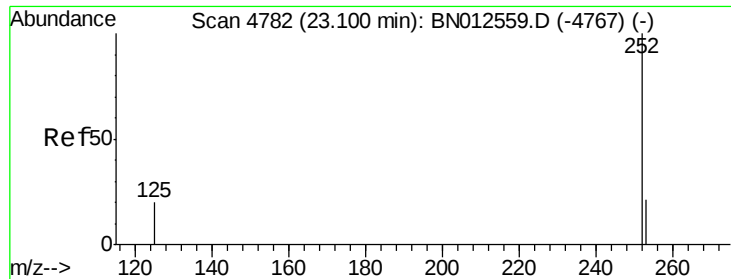


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.093 ng/u1

RT: 23.11 min Scan# 4784

Delta R.T. 0.01 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-05

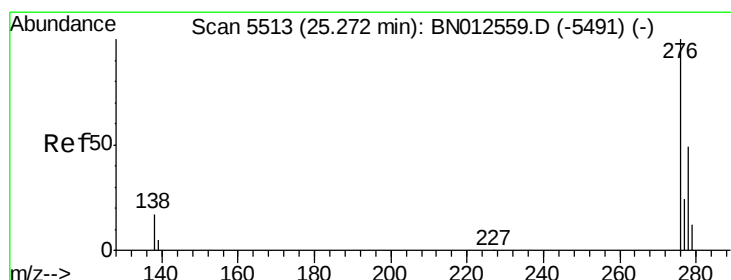
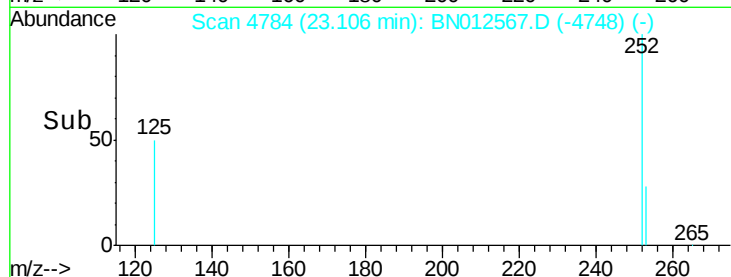
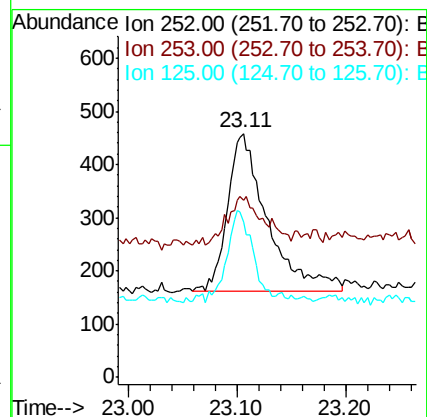
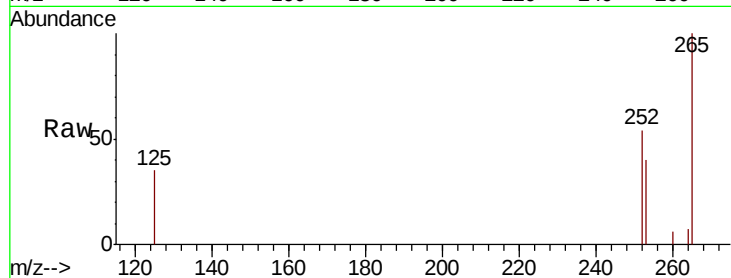
Tot Ion:252 Resp: 762

Ion Ratio Lower Upper

252 100

253 72.9 27.4 41.0#

125 64.0 17.7 26.5#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.088 ng/u1

RT: 25.28 min Scan# 5516

Delta R.T. 0.01 min

Lab File: BN012567.D

Acq: 12 Nov 2020 16:51

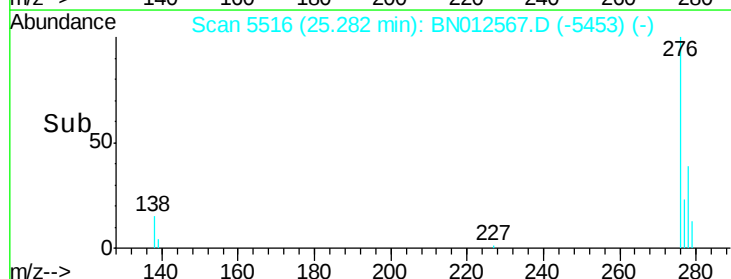
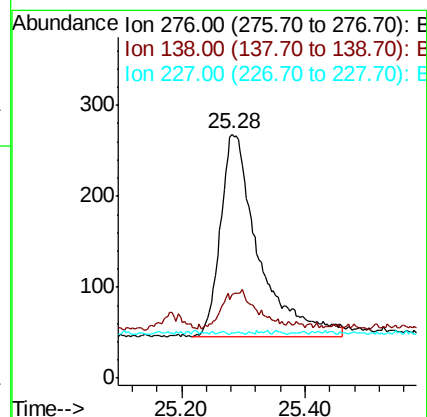
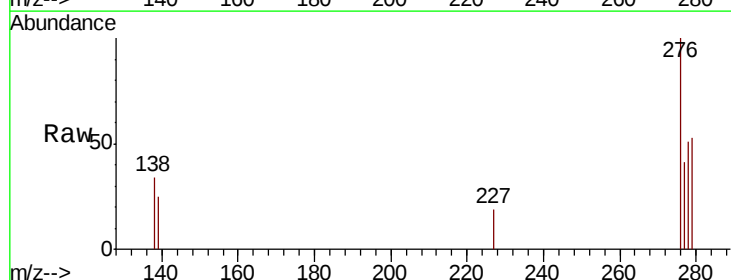
Tgt Ion:276 Resp: 951

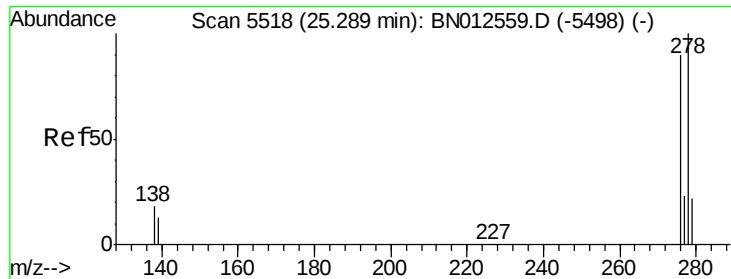
Ion Ratio Lower Upper

276 100

138 16.9 16.3 24.5

227 0.1 0.1 0.1

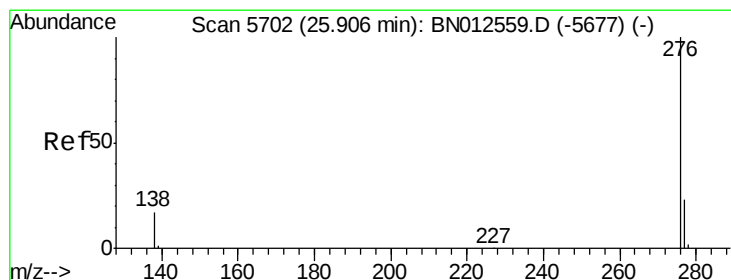
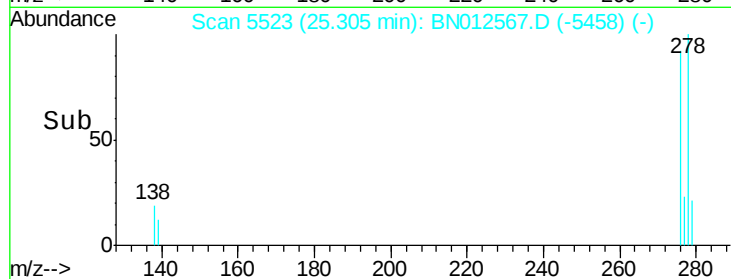
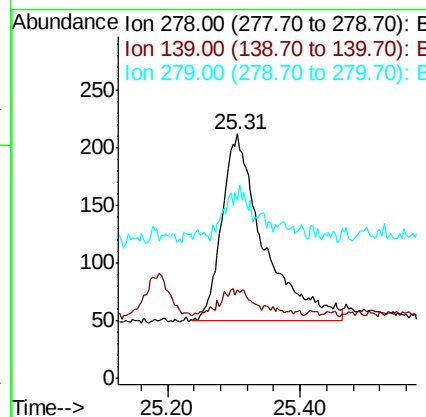
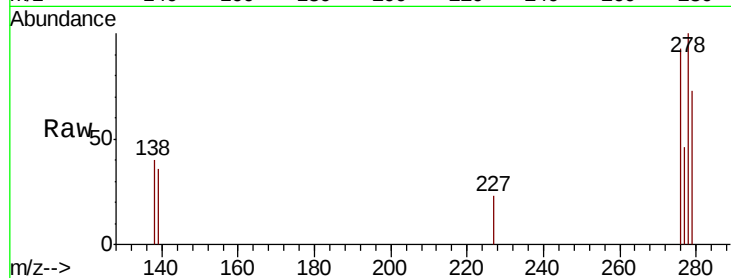




#28
Dibenzo(a,h)anthracene
Concen: 0.082 ng/ul
RT: 25.31 min Scan# 5523
Delta R.T. 0.02 min
Lab File: BN012567.D
Acq: 12 Nov 2020 16:51

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-05

Tot Ion:278 Resp: 706
Ion Ratio Lower Upper
278 100
139 35.8 13.4 20.2#
279 72.6 25.8 38.6#



#29
Benzo(g,h,i)perylene
Concen: 0.089 ng/ul
RT: 25.92 min Scan# 5706
Delta R.T. 0.01 min
Lab File: BN012567.D
Acq: 12 Nov 2020 16:51

Tgt Ion:276 Resp: 883
Ion Ratio Lower Upper
276 100
138 28.9 17.1 25.7#
277 38.5 21.4 32.0#

