

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111020\
 Data File : BN012541.D
 Acq On : 10 Nov 2020 20:52
 Operator : CG/JU
 Sample : L4485-08
 Misc : MDL-W-01
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-01

Quant Time: Nov 11 00:52:09 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 : Tue Nov 10 14:27:13 2020
 Response via : Initial Calibration

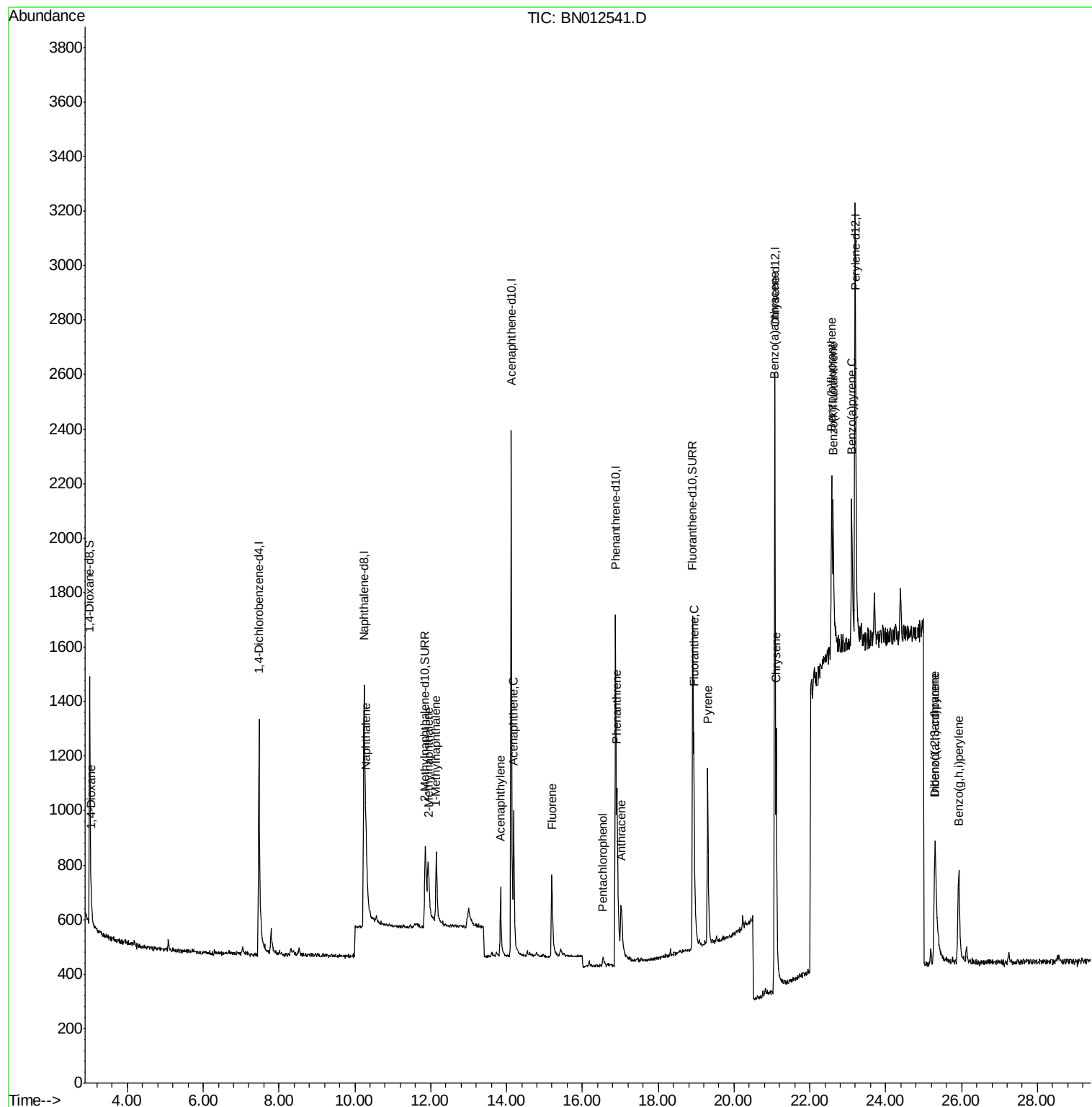
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	604	0.40	ng/ul	0.00
4) Naphthalene-d8	10.25	136	2463	0.40	ng/ul	0.01
9) Acenaphthene-d10	14.12	164	1349	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.88	188	2579	0.40	ng/ul	0.00
19) Chrysene-d12	21.08	240	2311	0.40	ng/ul	0.00
23) Perylene-d12	23.19	264	2454	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.01	96	581	0.71	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.86	152	998	0.29	ng/ul	0.02
17) Fluoranthene-d10	18.91	212	2068	0.32	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.04	88	72	0.087	ng/ul#	82
5) Naphthalene	10.30	128	528	0.076	ng/ul#	57
7) 2-Methylnaphthalene	11.93	142	302	0.067	ng/ul	95
8) 1-Methylnaphthalene	12.15	142	294	0.069	ng/ul	99
10) Acenaphthylene	13.84	152	414	0.069	ng/ul#	66
11) Acenaphthene	14.19	153	361	0.071	ng/ul	95
12) Fluorene	15.19	166	363	0.064	ng/ul#	93
14) Pentachlorophenol	16.55	266	42	0.060	ng/ul#	67
15) Phenanthrene	16.92	178	595	0.070	ng/ul#	73
16) Anthracene	17.02	178	453	0.065	ng/ul#	53
18) Fluoranthene	18.94	202	755	0.080	ng/ul#	77
20) Pyrene	19.31	202	807	0.074	ng/ul#	81
21) Benzo(a)anthracene	21.06	228	637	0.076	ng/ul#	85
22) Chrysene	21.11	228	828	0.082	ng/ul#	90
24) Benzo(b)fluoranthene	22.57	252	800	0.076	ng/ul#	41
25) Benzo(k)fluoranthene	22.61	252	1009	0.084	ng/ul#	43
26) Benzo(a)pyrene	23.11	252	786	0.080	ng/ul#	25
27) Indeno(1,2,3-cd)pyrene	25.30	276	932	0.072	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.31	278	673	0.064	ng/ul#	34
29) Benzo(a,h,i)perylene	25.92	276	890	0.074	ng/ul#	75

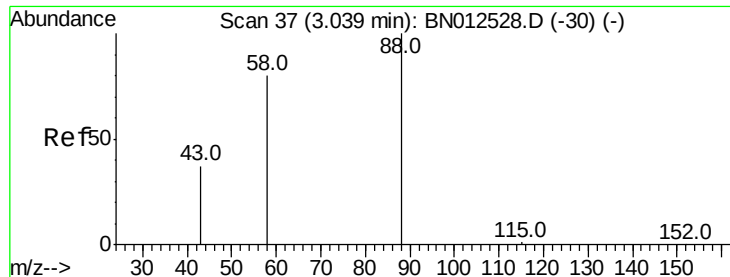
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.087 ng/ul

RT: 3.04 min Scan# 38

Delta R.T. 0.00 min

Lab File: BN012541.D

Acq: 10 Nov 2020 20:52

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-01

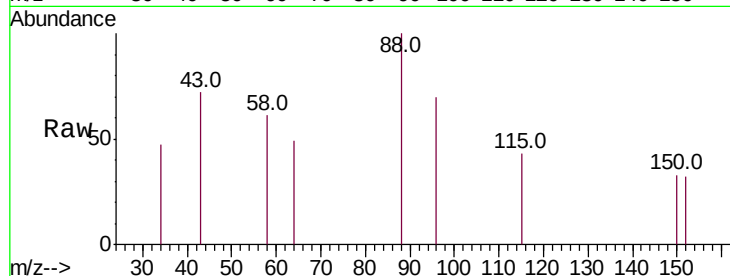
Tot Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 71.7 42.7 64.1#

58 61.2 57.3 85.9

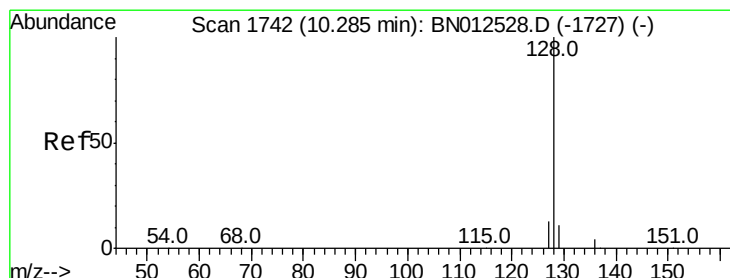
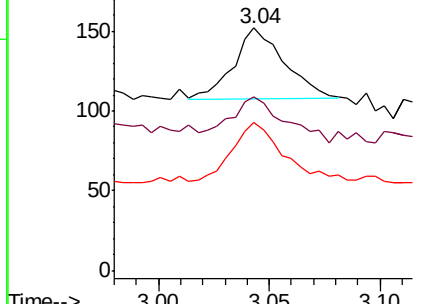
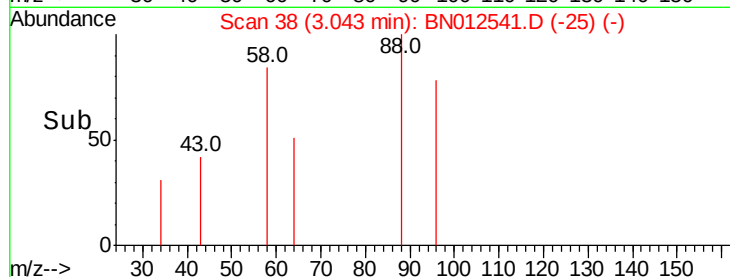


Abundance Ion 88.00 (87.70 to 88.70): BN012528.D (-30) (-)

Ion 43.00 (42.70 to 43.70): BN012528.D (-30) (-)

Ion 58.00 (57.70 to 58.70): BN012528.D (-30) (-)

Time-->



#5

Naphthalene

Concen: 0.076 ng/ul

RT: 10.30 min Scan# 1744

Delta R.T. 0.01 min

Lab File: BN012541.D

Acq: 10 Nov 2020 20:52

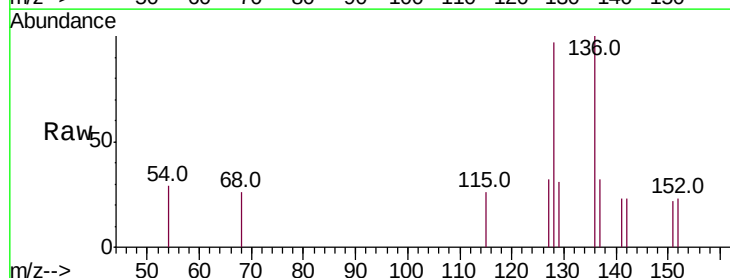
Tgt Ion: 128 Resp: 528

Ion Ratio Lower Upper

128 100

129 32.2 11.1 16.7#

127 33.2 12.6 18.8#

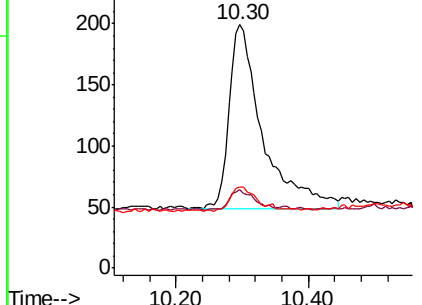
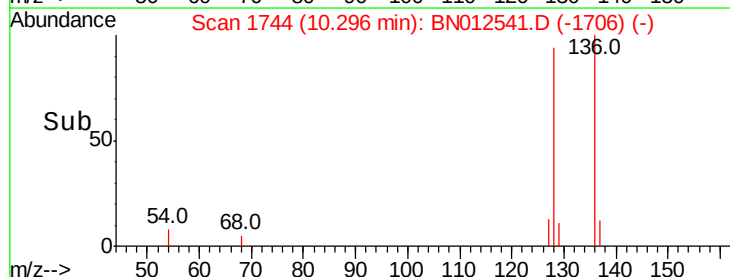


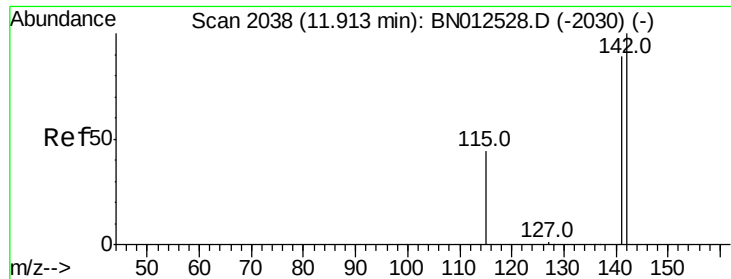
Abundance Ion 128.00 (127.70 to 128.70): BN012528.D (-1727) (-)

Ion 129.00 (128.70 to 129.70): BN012528.D (-1727) (-)

Ion 127.00 (126.70 to 127.70): BN012528.D (-1727) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.067 ng/ul

RT: 11.93 min Scan# 2042

Delta R.T. 0.02 min

Lab File: BN012541.D

Acq: 10 Nov 2020 20:52

Instrument :

BNA_N

ClientSampleId :

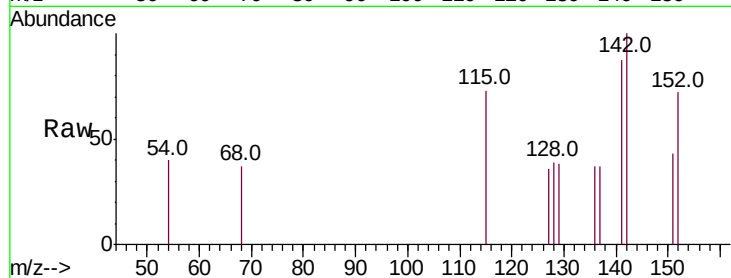
MDL-WATER-01

Tot Ion:142 Resp: 302

Ion Ratio Lower Upper

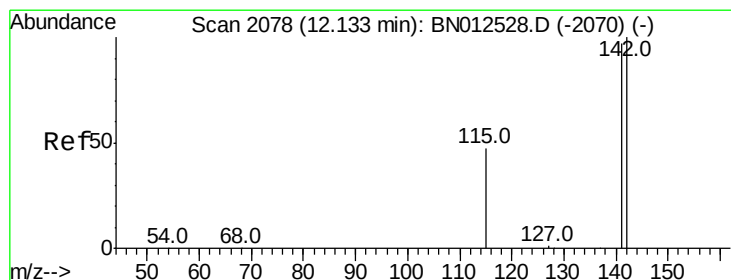
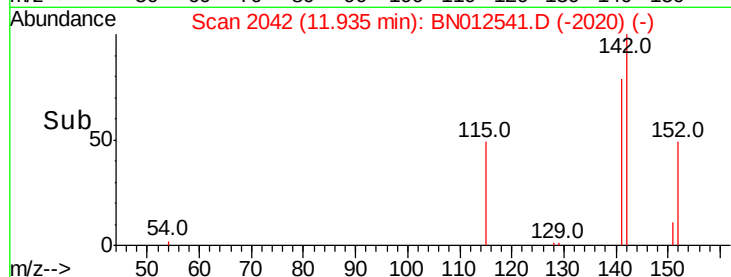
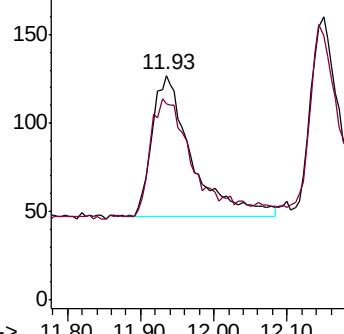
142 100

141 94.4 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: 0.069 ng/ul

RT: 12.15 min Scan# 2081

Delta R.T. 0.02 min

Lab File: BN012541.D

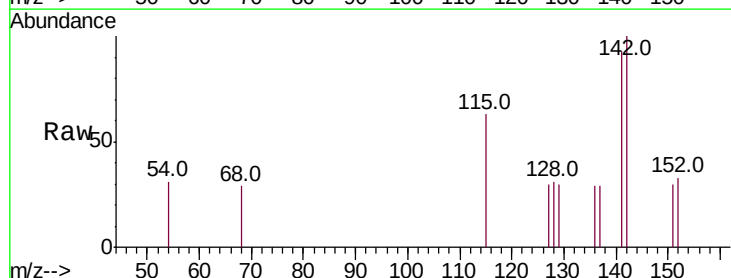
Acq: 10 Nov 2020 20:52

Tgt Ion:142 Resp: 294

Ion Ratio Lower Upper

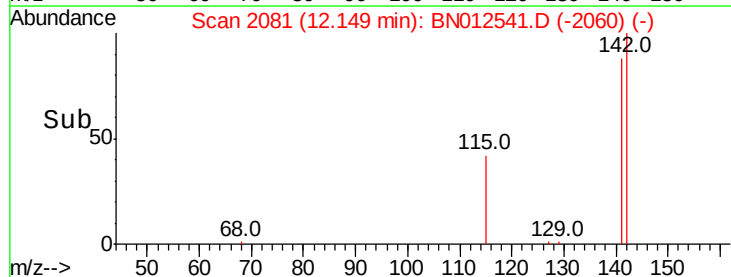
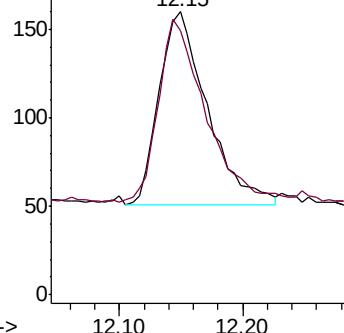
142 100

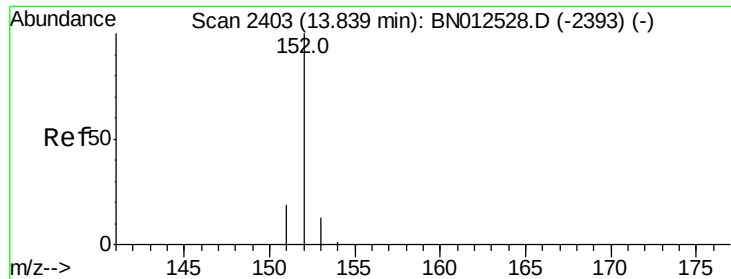
141 92.9 75.3 112.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.069 ng/ul

RT: 13.84 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BN012541.D

Acq: 10 Nov 2020 20:52

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-01

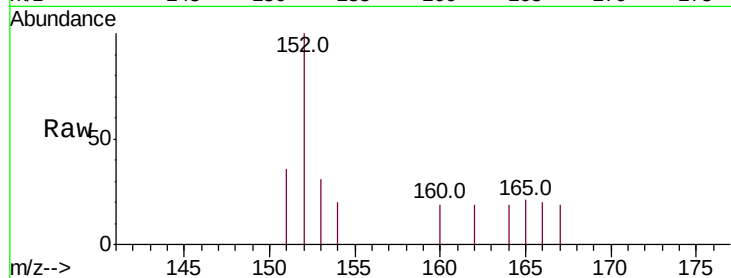
Tot Ion:152 Resp: 414

Ion Ratio Lower Upper

152 100

151 36.4 17.0 25.4#

153 30.9 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

250

200

150

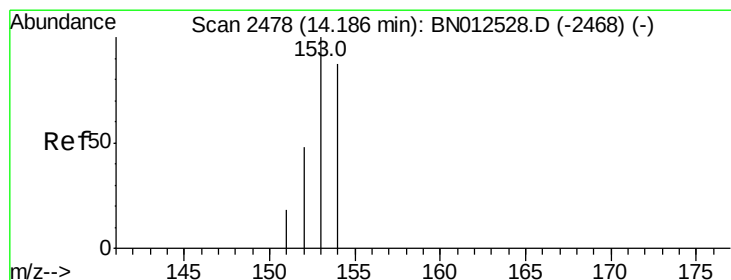
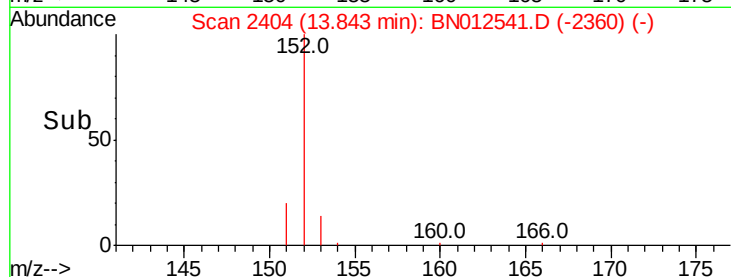
100

50

0

Time-->

13.80 13.90 14.00



#11

Acenaphthene

Concen: 0.071 ng/ul

RT: 14.19 min Scan# 2478

Delta R.T. -0.00 min

Lab File: BN012541.D

Acq: 10 Nov 2020 20:52

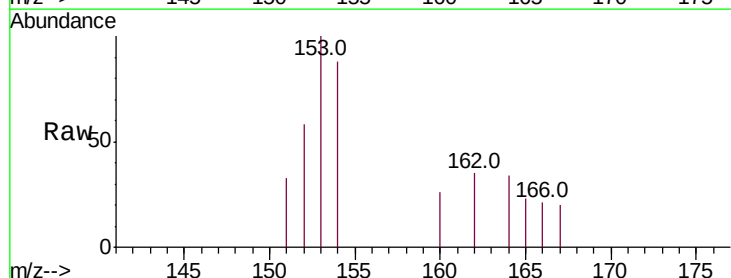
Tgt Ion:153 Resp: 361

Ion Ratio Lower Upper

153 100

152 57.6 39.9 59.9

154 88.2 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

14.19

250

200

150

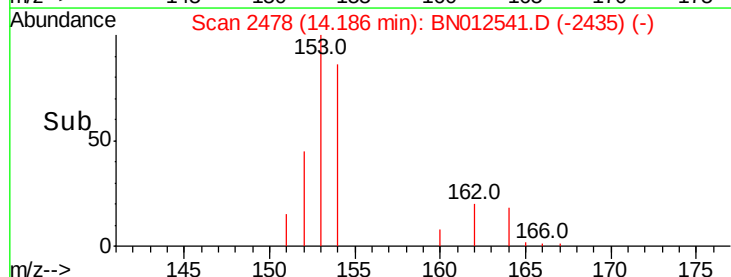
100

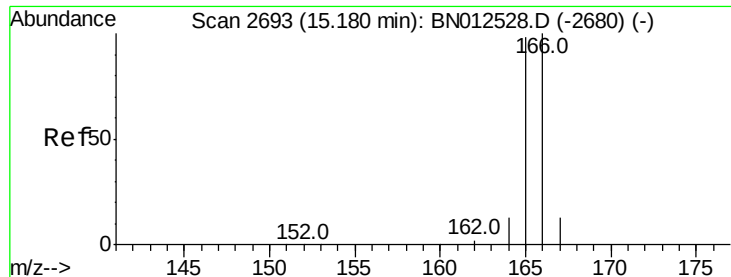
50

0

Time-->

14.10 14.20 14.30





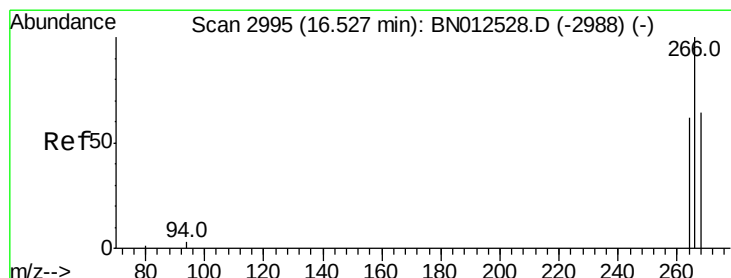
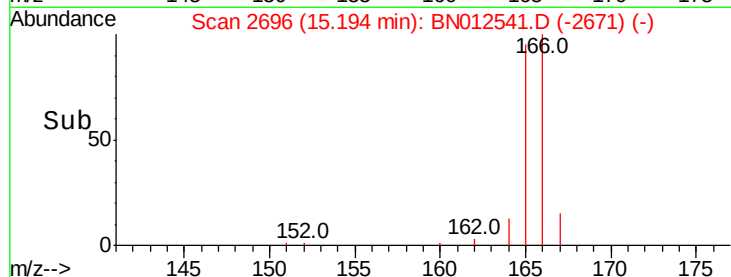
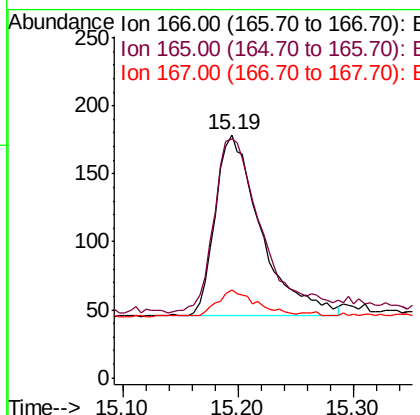
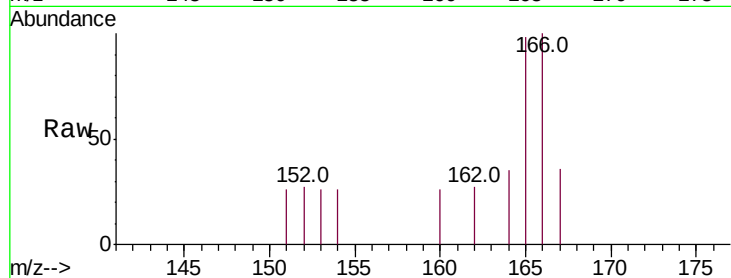
#12

Fluorene

Concen: 0.064 ng/ul
 RT: 15.19 min Scan# 2696
 Delta R.T. 0.01 min
 Lab File: BN012541.D
 Acq: 10 Nov 2020 20:52

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-01

Tot Ion:166 Resp: 363
 Ion Ratio Lower Upper
 166 100
 165 98.3 78.6 117.8
 167 36.3 12.6 19.0#

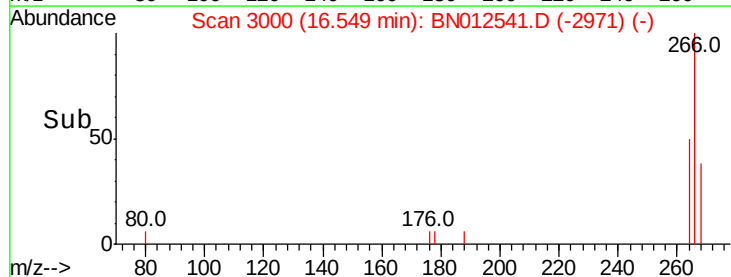
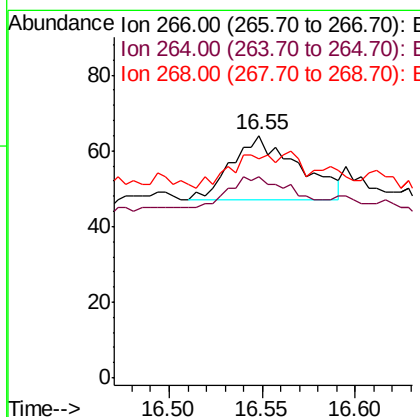
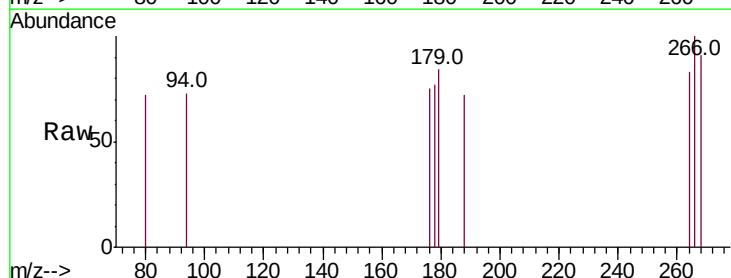


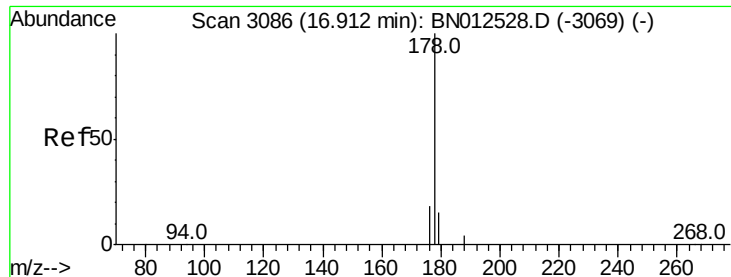
#14

Pentachlorophenol

Concen: 0.060 ng/ul
 RT: 16.55 min Scan# 3000
 Delta R.T. 0.02 min
 Lab File: BN012541.D
 Acq: 10 Nov 2020 20:52

Tgt Ion:266 Resp: 42
 Ion Ratio Lower Upper
 266 100
 264 42.9 48.6 73.0#
 268 35.7 55.2 82.8#





#15

Phenanthrene

Concen: 0.070 ng/ul

RT: 16.92 min Scan# 3087

Delta R.T. 0.00 min

Lab File: BN012541.D

Acq: 10 Nov 2020 20:52

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-01

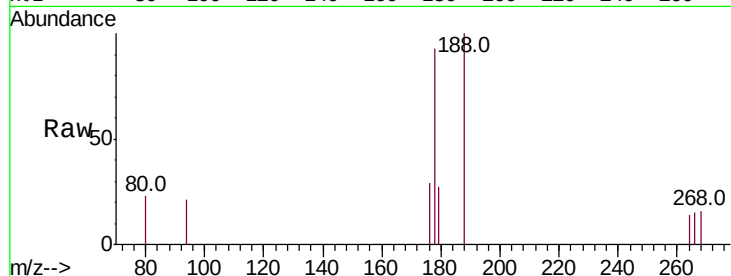
Tot Ion:178 Resp: 595

Ion Ratio Lower Upper

178 100

179 29.0 13.0 19.6#

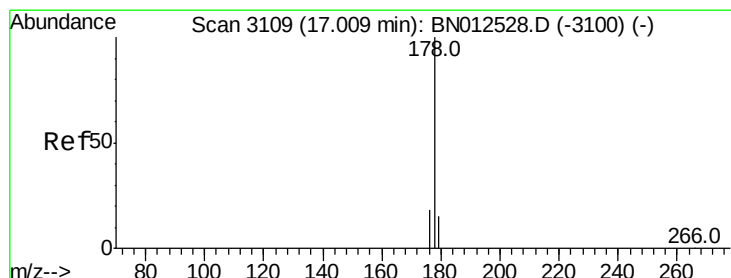
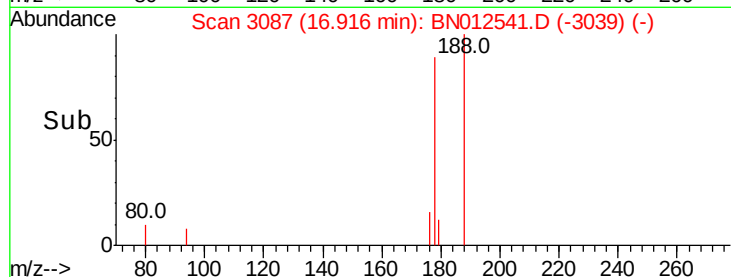
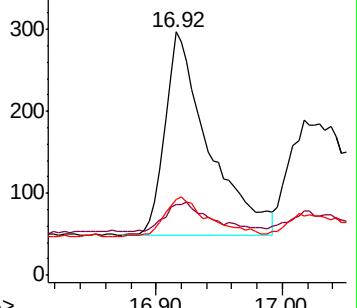
176 31.0 15.8 23.8#



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: 0.065 ng/ul

RT: 17.02 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BN012541.D

Acq: 10 Nov 2020 20:52

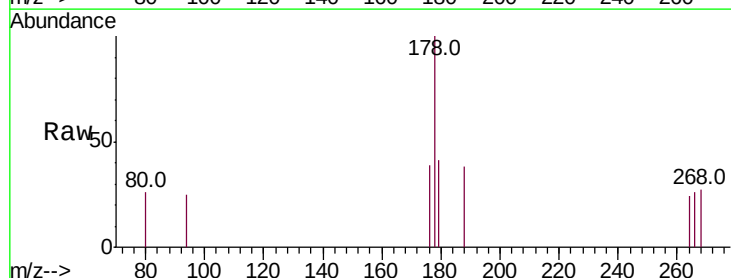
Tgt Ion:178 Resp: 453

Ion Ratio Lower Upper

178 100

179 41.3 14.2 21.4#

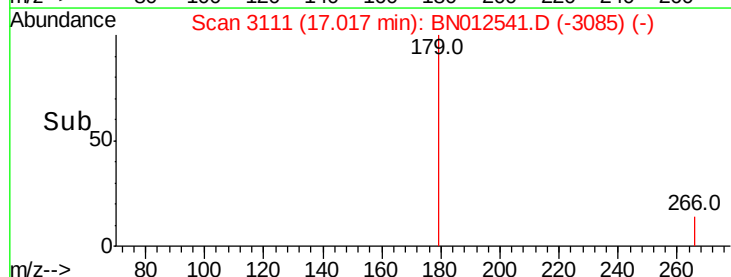
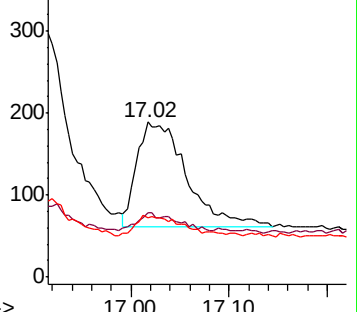
176 38.6 15.9 23.9#

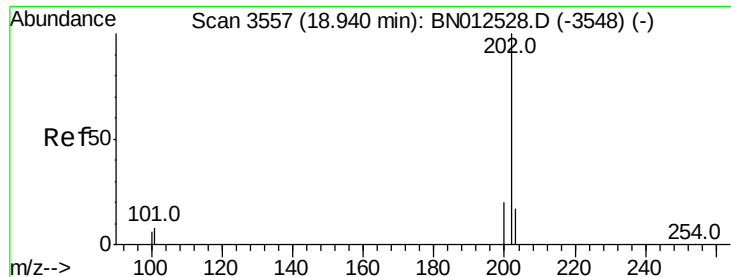


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.080 ng/ul

RT: 18.94 min Scan# 3558

Delta R.T. 0.00 min

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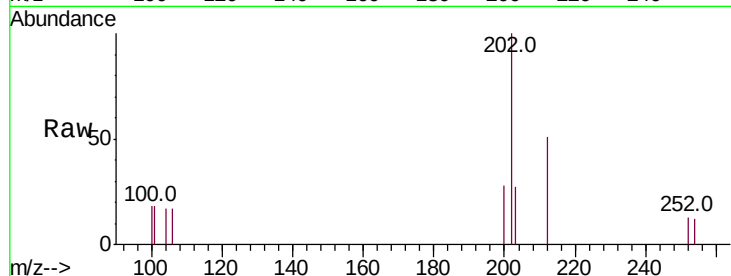
Tot Ion:202 Resp: 755

Ion Ratio Lower Upper

202 100

101 18.1 8.2 12.2#

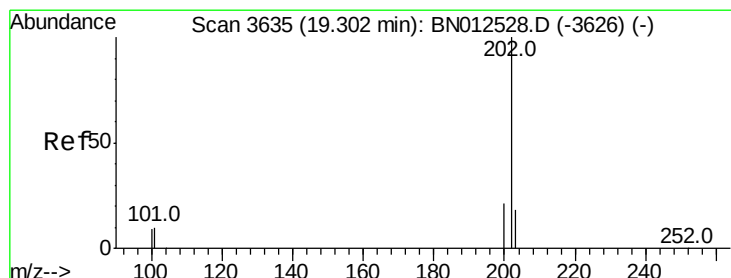
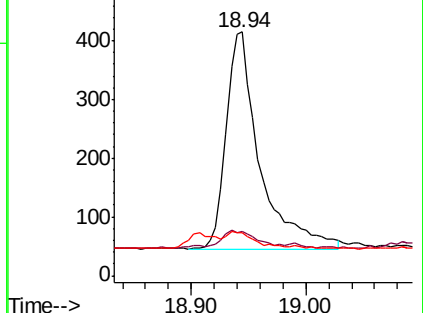
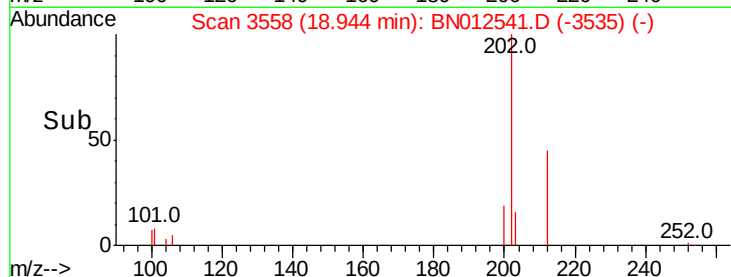
100 17.6 6.9 10.3#



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: 0.074 ng/ul

RT: 19.31 min Scan# 3636

Delta R.T. 0.00 min

Lab File: BN012541.D

Acq: 10 Nov 2020 20:52

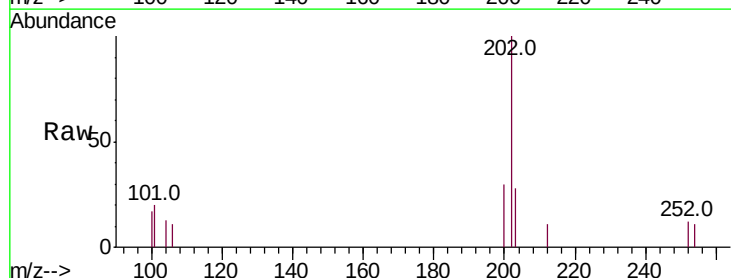
Tgt Ion:202 Resp: 807

Ion Ratio Lower Upper

202 100

101 19.9 9.4 14.2#

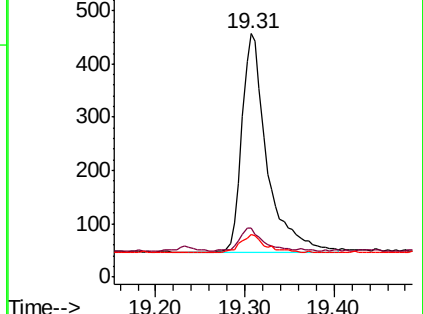
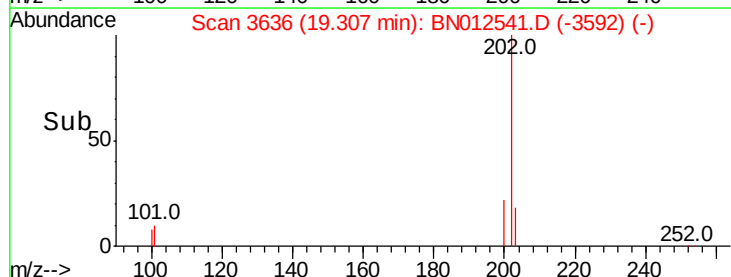
100 17.3 8.6 12.8#

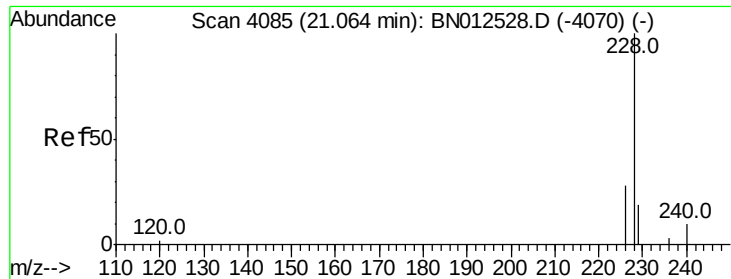


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.076 ng/ul

RT: 21.06 min Scan# 4085

Delta R.T. -0.00 min

Lab File: BN012541.D

Acq: 10 Nov 2020 20:52

Instrument :

BNA_N

ClientSampleId :

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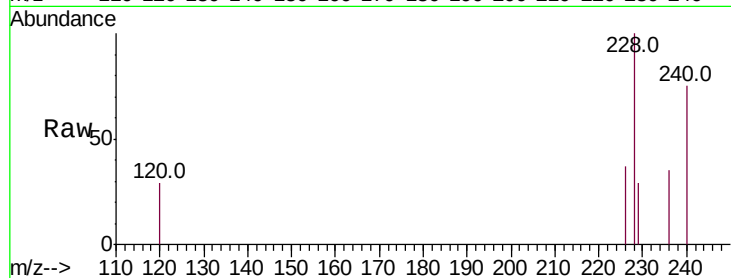
Tot Ion:228 Resp: 637

Ion Ratio Lower Upper

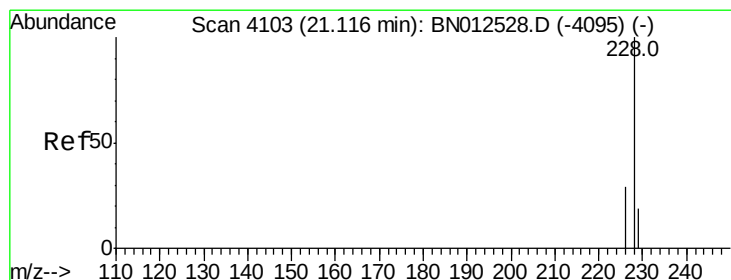
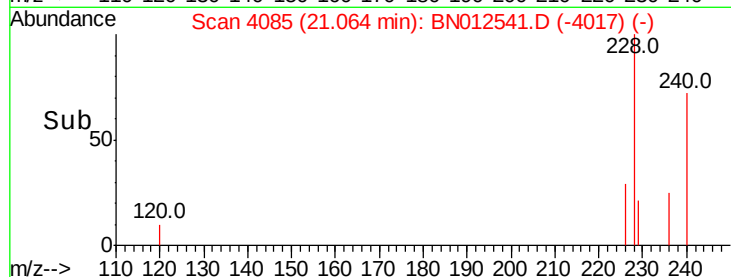
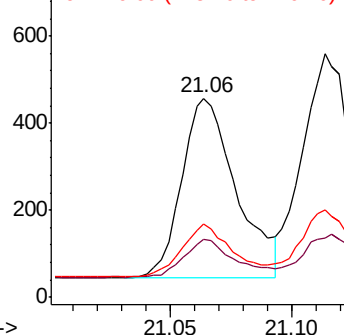
228 100

229 28.9 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: 0.082 ng/ul

RT: 21.11 min Scan# 4102

Delta R.T. -0.00 min

Lab File: BN012541.D

Acq: 10 Nov 2020 20:52

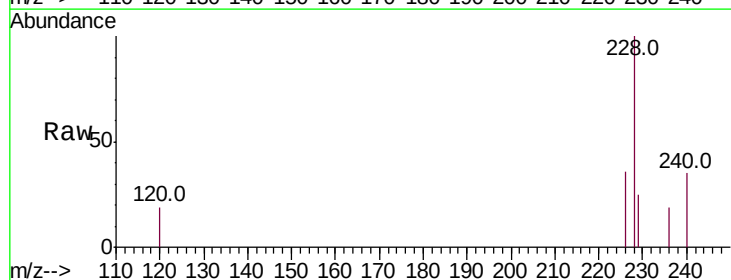
Tgt Ion:228 Resp: 828

Ion Ratio Lower Upper

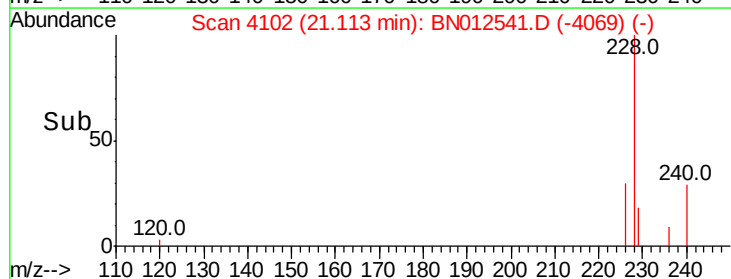
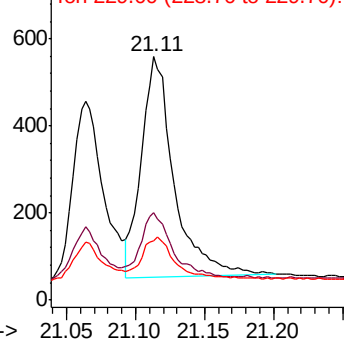
228 100

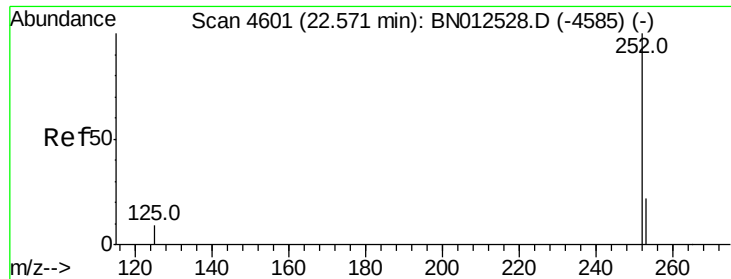
226 36.0 23.9 35.9#

229 24.5 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: 0.076 ng/ul

RT: 22.57 min Scan# 4602

Delta R.T. 0.00 min

Lab File: BN012541.D

Acq: 10 Nov 2020 20:52

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-01

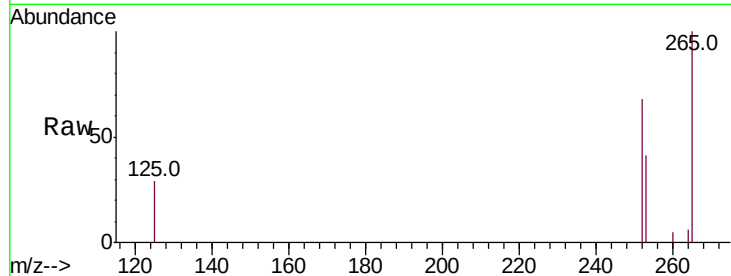
Tot Ion:252 Resp: 800

Ion Ratio Lower Upper

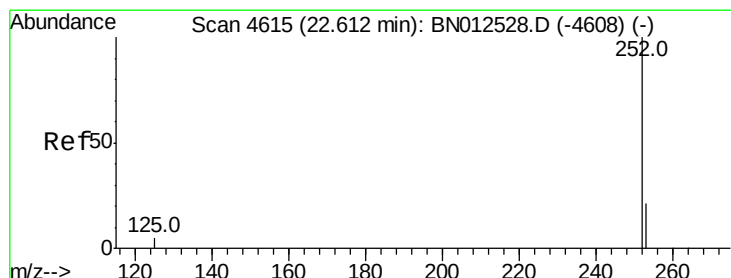
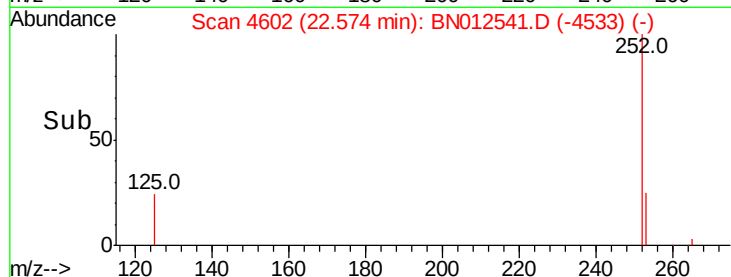
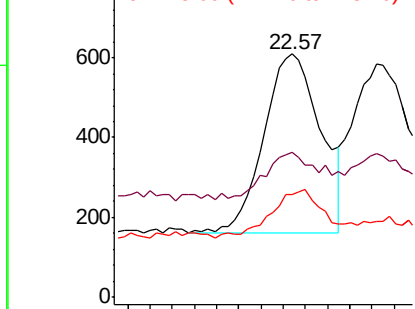
252 100

253 59.6 0.0 59.2#

125 42.5 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: 0.084 ng/ul

RT: 22.61 min Scan# 4615

Delta R.T. -0.00 min

Lab File: BN012541.D

Acq: 10 Nov 2020 20:52

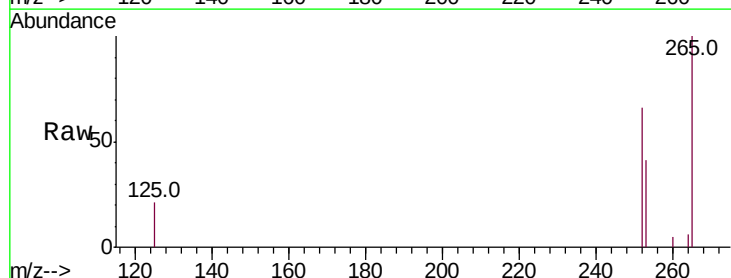
Tgt Ion:252 Resp: 1009

Ion Ratio Lower Upper

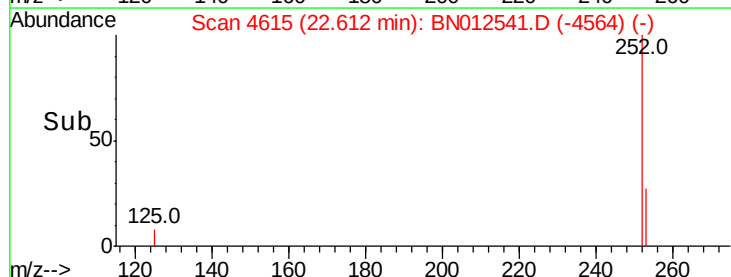
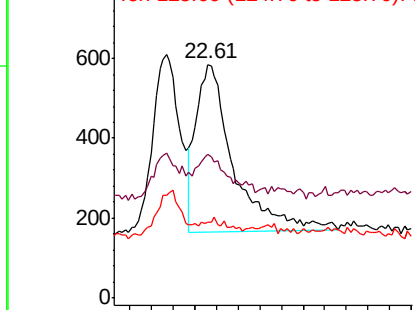
252 100

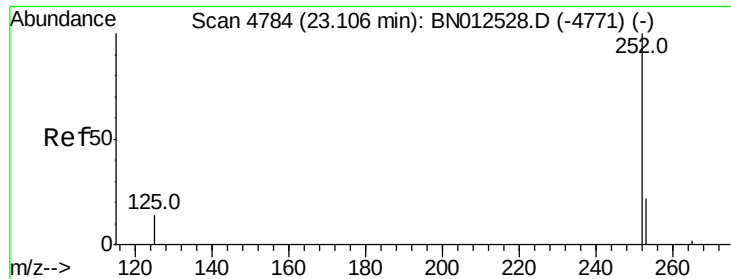
253 61.7 23.3 34.9#

125 32.3 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: 0.080 ng/ul

RT: 23.11 min Scan# 4784

Delta R.T. -0.00 min

Lab File: BN012541.D

Acq: 10 Nov 2020 20:52

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-01

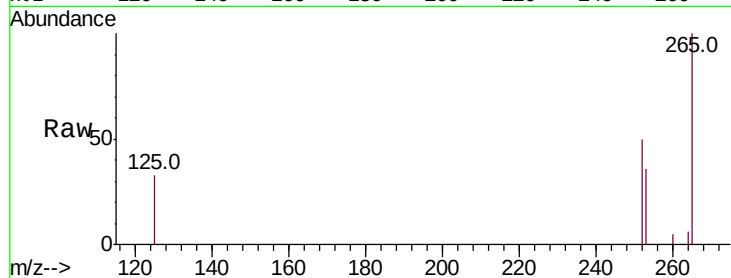
Tot Ion:252 Resp: 786

Ion Ratio Lower Upper

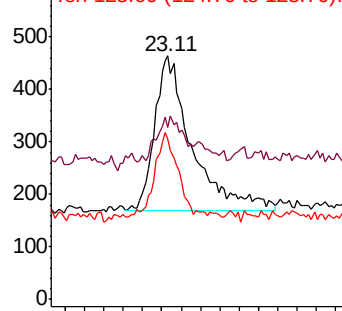
252 100

253 70.9 27.4 41.0#

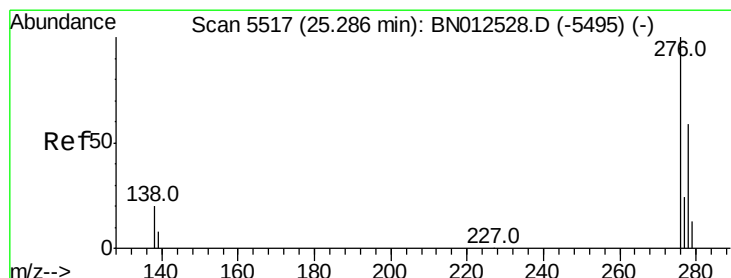
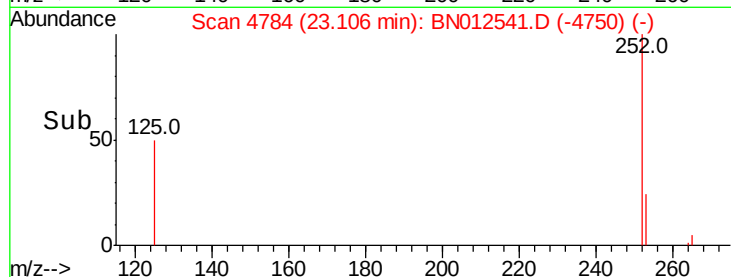
125 65.9 17.7 26.5#



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



Time--> 23.00 23.10 23.20



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.072 ng/ul

RT: 25.30 min Scan# 5520

Delta R.T. 0.01 min

Lab File: BN012541.D

Acq: 10 Nov 2020 20:52

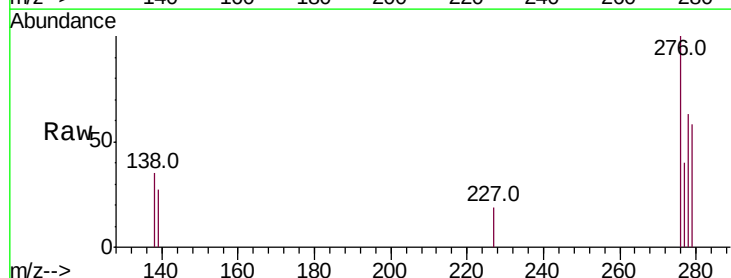
Tgt Ion:276 Resp: 932

Ion Ratio Lower Upper

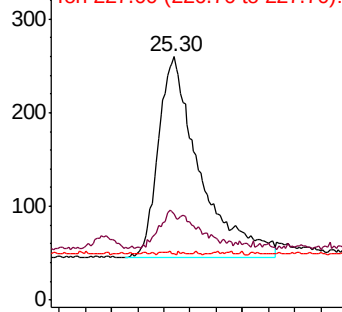
276 100

138 15.8 16.3 24.5#

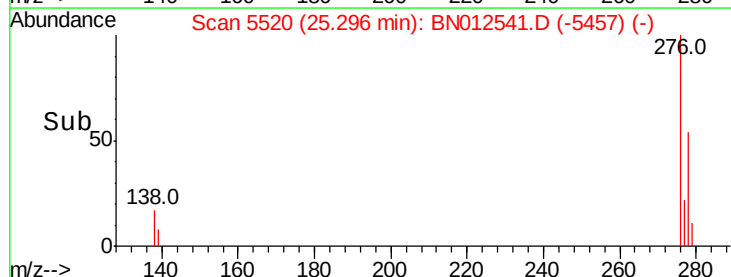
227 0.4 0.1 0.1#

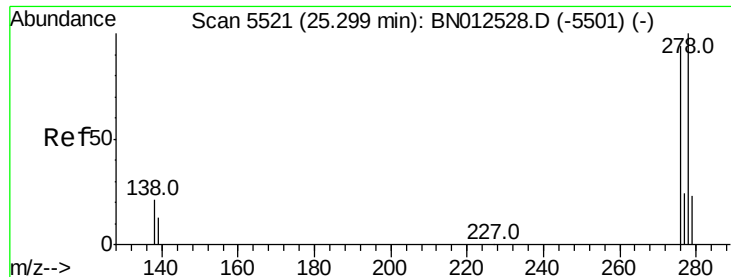


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



Time--> 25.20 25.40





#28

Dibenzo(a,h)anthracene

Concen: 0.064 ng/ul

RT: 25.31 min Scan# 5524

Delta R.T. 0.01 min

Lab File: BN012541.D

Acq: 10 Nov 2020 20:52

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-01

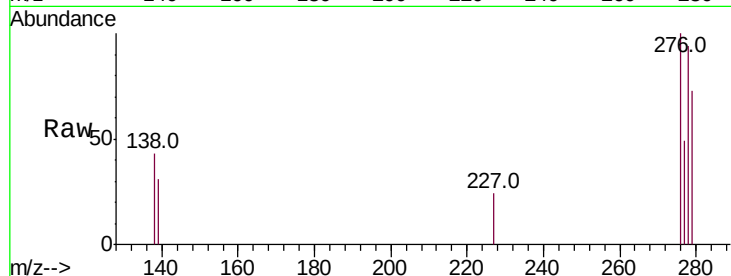
Tot Ion:278 Resp: 673

Ion Ratio Lower Upper

278 100

139 33.2 13.4 20.2#

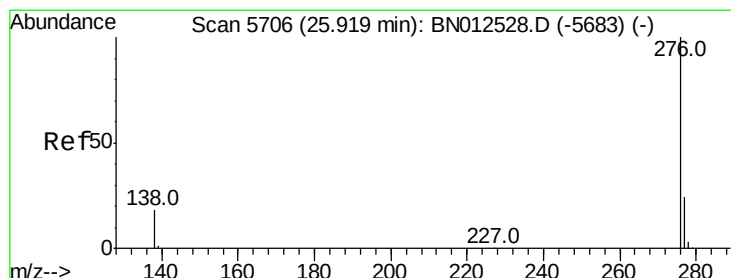
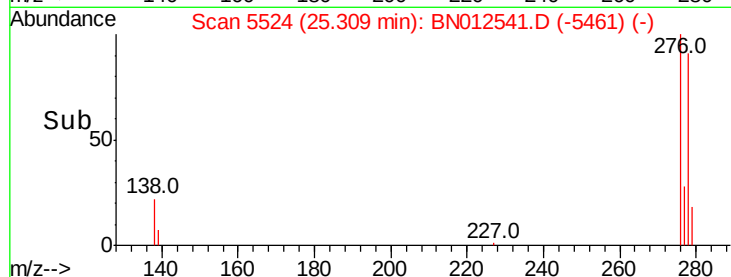
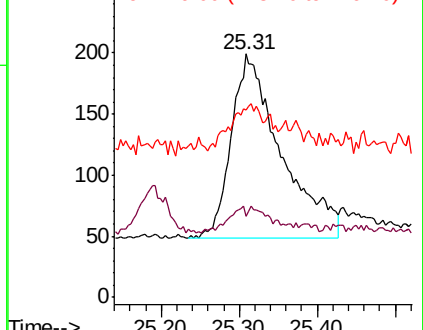
279 76.9 25.8 38.6#



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



#29

Benzo(g,h,i)perylene

Concen: 0.074 ng/ul

RT: 25.92 min Scan# 5707

Delta R.T. 0.00 min

Lab File: BN012541.D

Acq: 10 Nov 2020 20:52

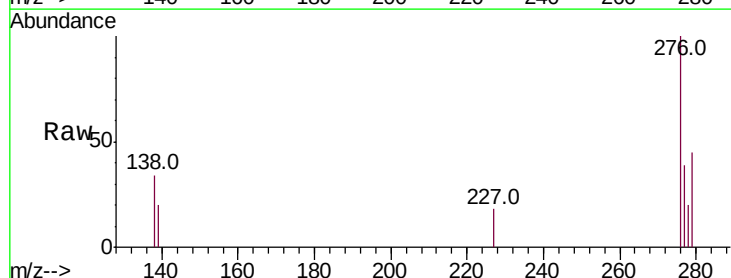
Tgt Ion:276 Resp: 890

Ion Ratio Lower Upper

276 100

138 33.7 17.1 25.7#

277 39.1 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

