

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111020\
 Data File : BN012545.D
 Acq On : 10 Nov 2020 23:16
 Operator : CG/JU
 Sample : L4485-10
 Misc : MDL-W-03
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-03

Quant Time: Nov 11 00:52:39 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

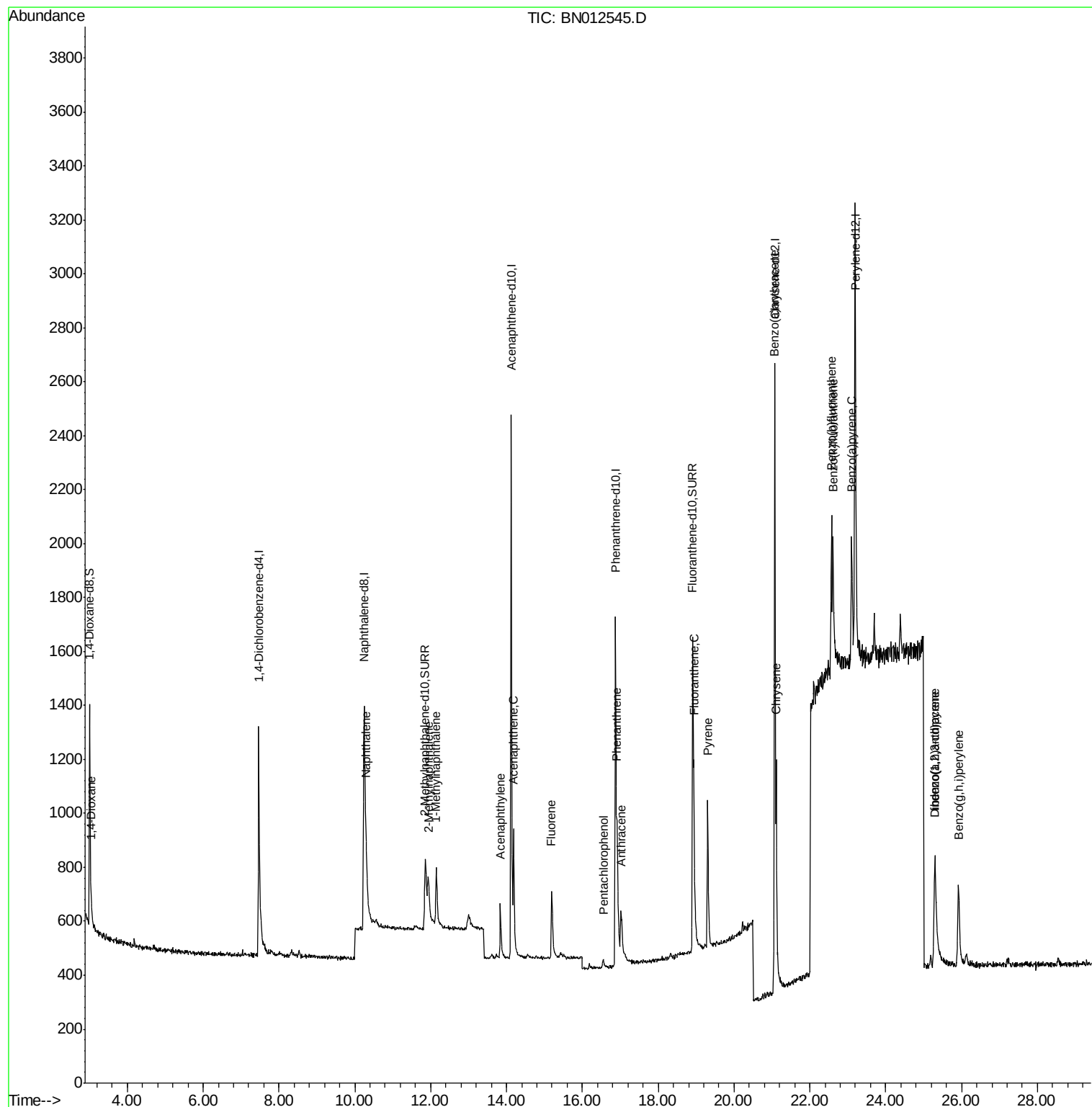
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	652	0.40	ng/ul	0.00
4) Naphthalene-d8	10.25	136	2561	0.40	ng/ul	0.01
9) Acenaphthene-d10	14.12	164	1424	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.87	188	2673	0.40	ng/ul	0.00
19) Chrysene-d12	21.08	240	2373	0.40	ng/ul	0.00
23) Perylene-d12	23.19	264	2519	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.01	96	515	0.58	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.86	152	933	0.26	ng/ul	0.02
17) Fluoranthene-d10	18.91	212	1956	0.29	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.05	88	60	0.067	ng/ul#	79
5) Naphthalene	10.30	128	407	0.057	ng/ul#	48
7) 2-Methylnaphthalene	11.94	142	238	0.051	ng/ul	94
8) 1-Methylnaphthalene	12.14	142	249	0.056	ng/ul	95
10) Acenaphthylene	13.84	152	359	0.057	ng/ul#	64
11) Acenaphthene	14.19	153	308	0.057	ng/ul#	89
12) Fluorene	15.19	166	309	0.051	ng/ul#	92
14) Pentachlorophenol	16.54	266	40	0.055	ng/ul	95
15) Phenanthrene	16.92	178	508	0.057	ng/ul#	70
16) Anthracene	17.03	178	379	0.052	ng/ul#	53
18) Fluoranthene	18.94	202	653	0.067	ng/ul#	72
20) Pyrene	19.31	202	719	0.064	ng/ul#	80
21) Benzo(a)anthracene	21.06	228	574	0.066	ng/ul#	88
22) Chrysene	21.11	228	731	0.070	ng/ul#	86
24) Benzo(b)fluoranthene	22.57	252	674	0.063	ng/ul#	41
25) Benzo(k)fluoranthene	22.61	252	862	0.070	ng/ul#	39
26) Benzo(a)pyrene	23.10	252	652	0.064	ng/ul#	12
27) Indeno(1,2,3-cd)pyrene	25.29	276	793	0.060	ng/ul#	56
28) Dibenzo(a,h)anthracene	25.31	278	639	0.060	ng/ul#	18
29) Benzo(g,h,i)perylene	25.92	276	768	0.062	ng/ul#	74

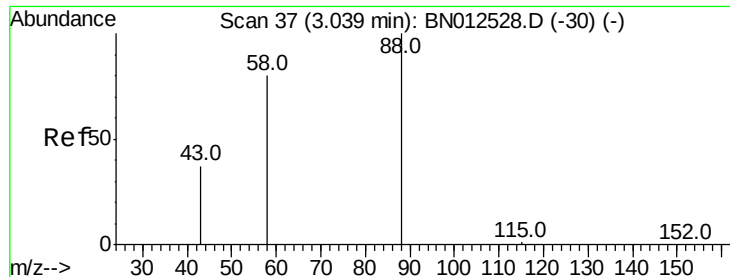
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.067 ng/ul

RT: 3.05 min Scan# 39

Delta R.T. 0.01 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03

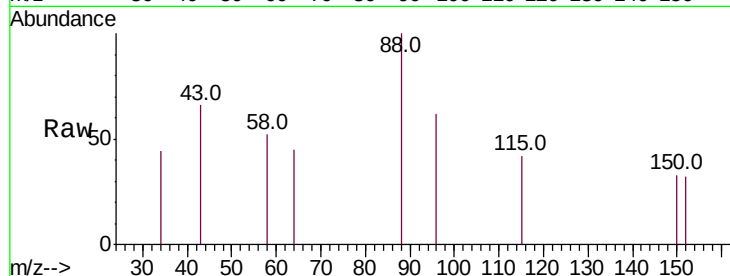
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 66.2 42.7 64.1#

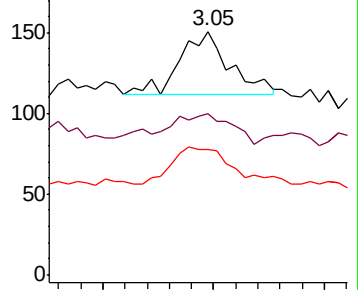
58 51.7 57.3 85.9#



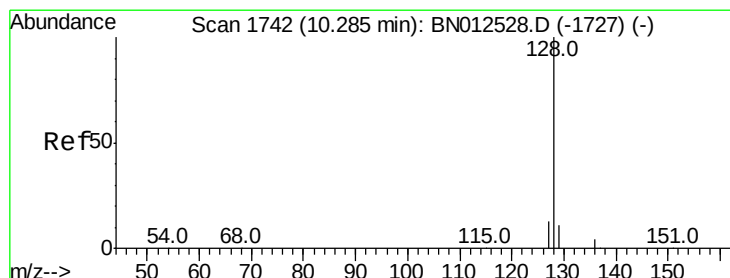
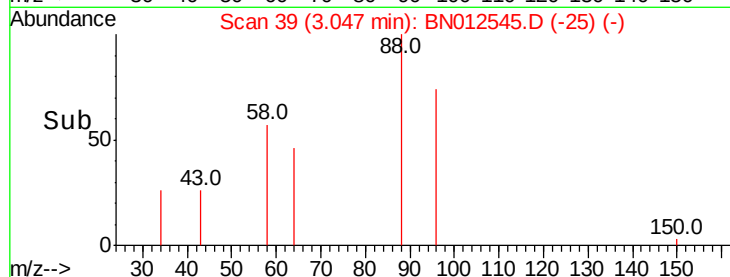
Abundance Ion 88.00 (87.70 to 88.70): BN012528.D (-30) (-)

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: 0.057 ng/ul

RT: 10.30 min Scan# 1744

Delta R.T. 0.01 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

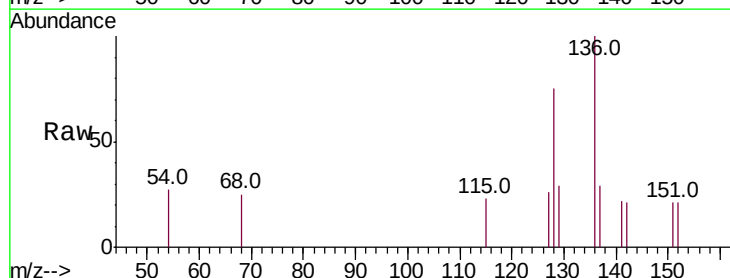
Tgt Ion: 128 Resp: 407

Ion Ratio Lower Upper

128 100

129 38.2 11.1 16.7#

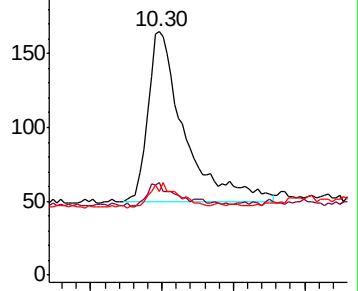
127 34.5 12.6 18.8#



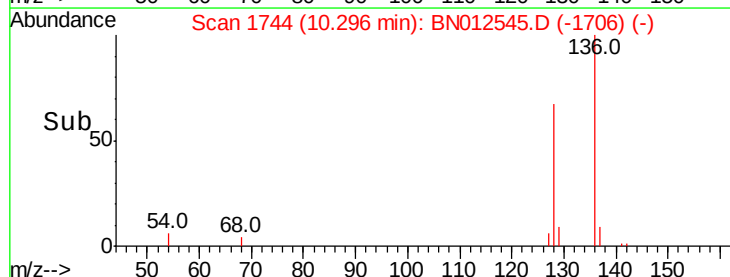
Abundance Ion 128.00 (127.70 to 128.70): BN012528.D (-1727) (-)

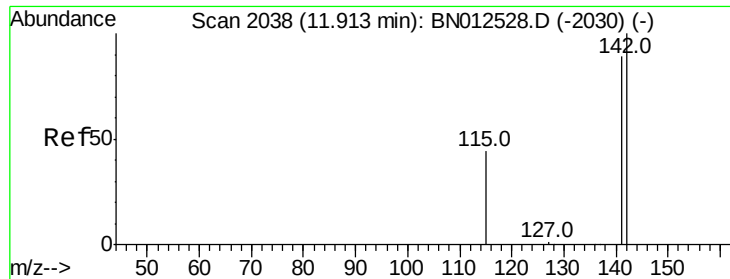
Ion 129.00 (128.70 to 129.70): BN012528.D (-1727) (-)

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



Time-->





#7

2-Methylnaphthalene

Concen: 0.051 ng/ul

RT: 11.94 min Scan# 2043

Delta R.T. 0.03 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

Instrument :

BNA_N

ClientSampleId :

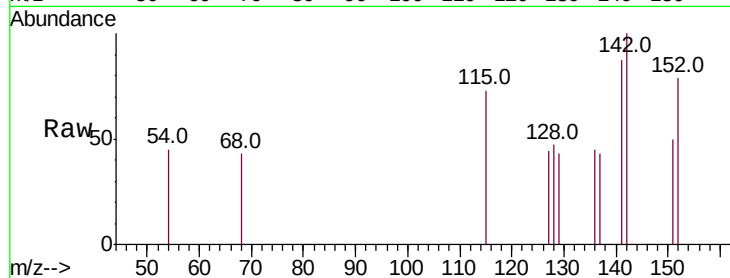
MDL-WATER-03

Tot Ion:142 Resp: 238

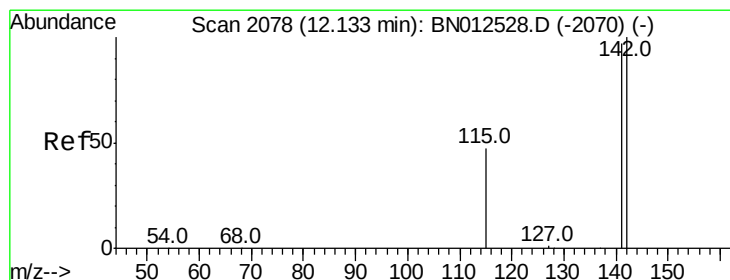
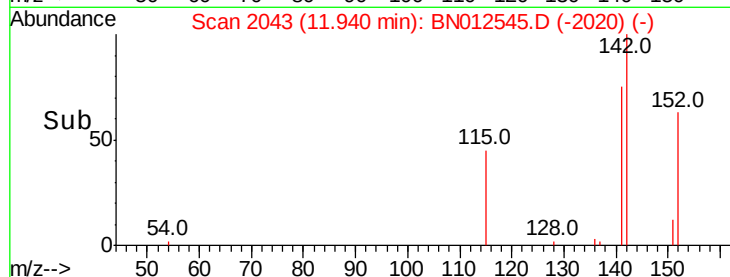
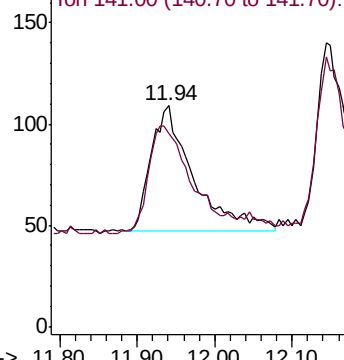
Ion Ratio Lower Upper

142 100

141 96.2 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E



#8

1-Methylnaphthalene

Concen: 0.056 ng/ul

RT: 12.14 min Scan# 2080

Delta R.T. 0.01 min

Lab File: BN012545.D

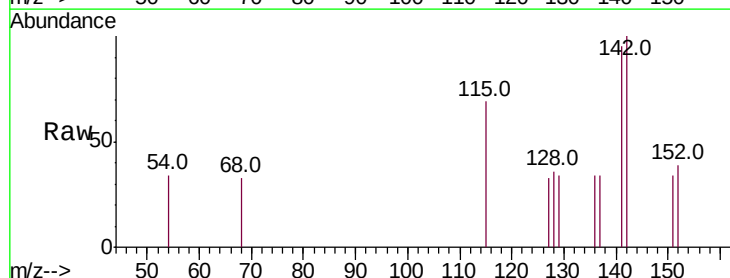
Acq: 10 Nov 2020 23:16

Tgt Ion:142 Resp: 249

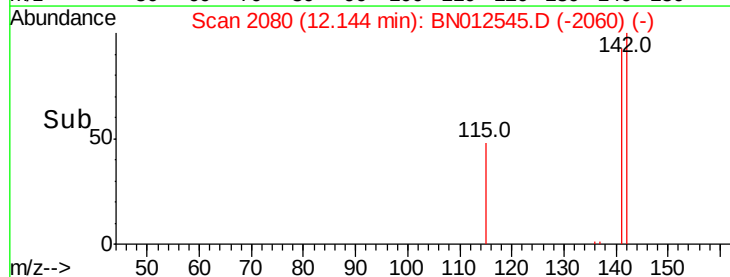
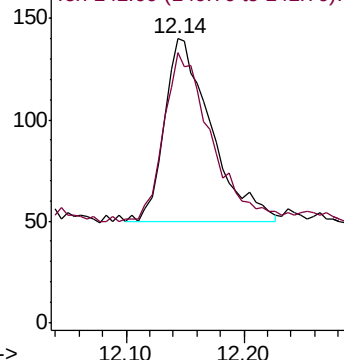
Ion Ratio Lower Upper

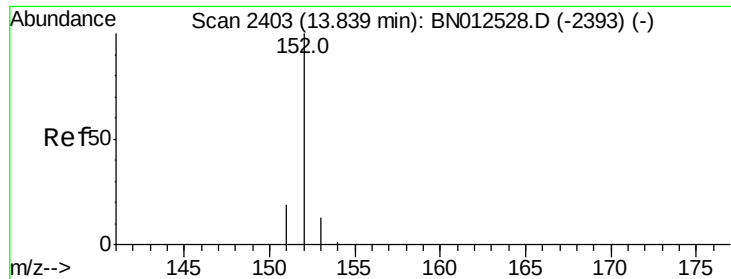
142 100

141 89.2 75.3 112.9



Abundance Ion 142.00 (141.70 to 142.70): E





#10

Acenaphthylene

Concen: 0.057 ng/ul

RT: 13.84 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03

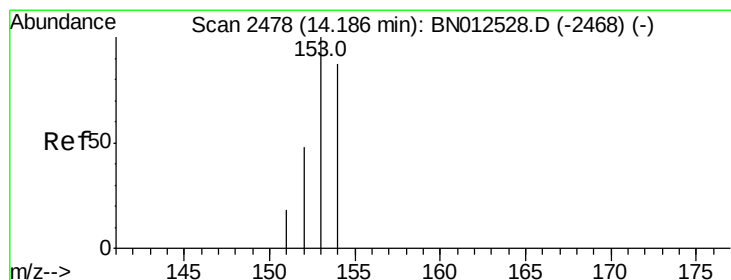
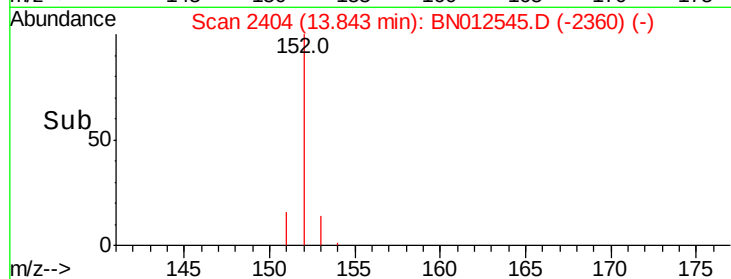
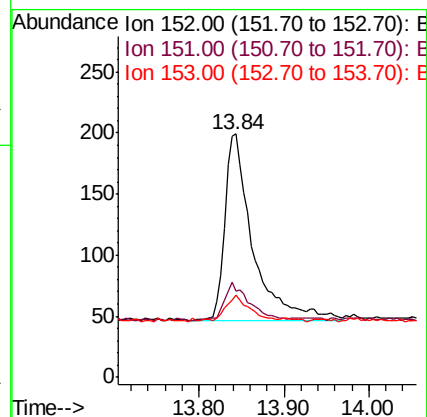
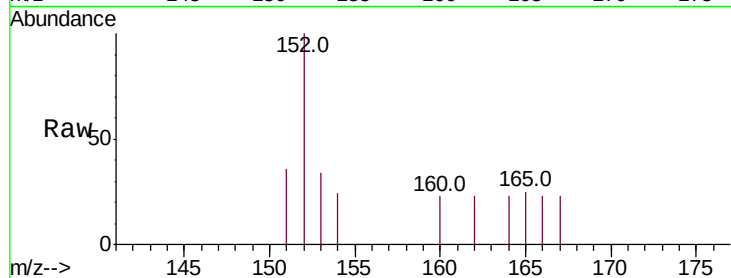
Tot Ion:152 Resp: 359

Ion Ratio Lower Upper

152 100

151 35.7 17.0 25.4#

153 33.7 12.5 18.7#



#11

Acenaphthene

Concen: 0.057 ng/ul

RT: 14.19 min Scan# 2478

Delta R.T. -0.00 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

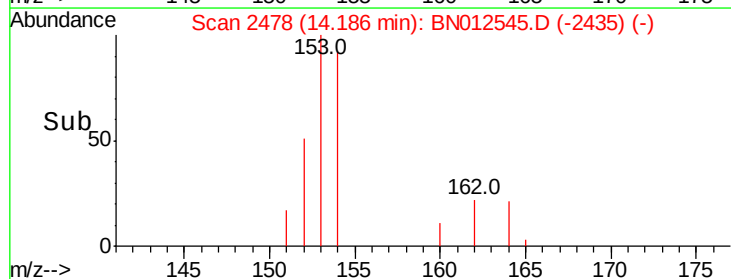
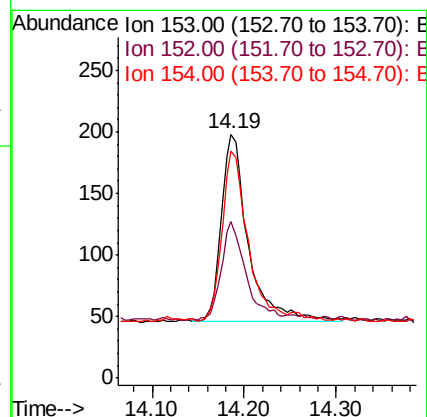
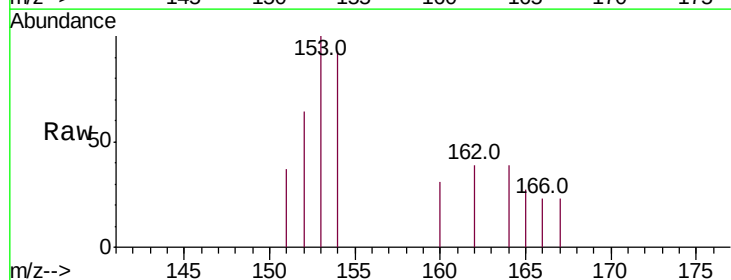
Tgt Ion:153 Resp: 308

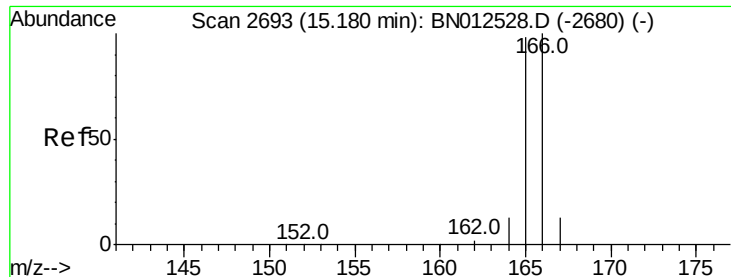
Ion Ratio Lower Upper

153 100

152 64.1 39.9 59.9#

154 92.9 69.9 104.9





#12

Fluorene

Concen: 0.051 ng/ul

RT: 15.19 min Scan# 2695

Delta R.T. 0.01 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03

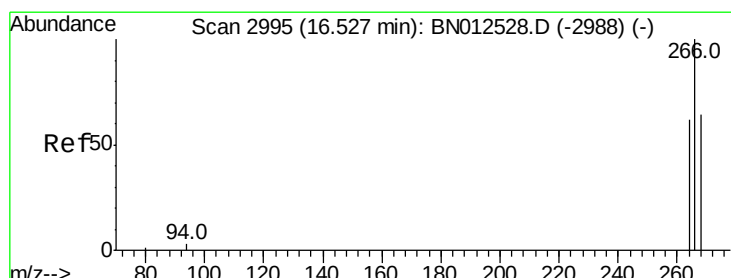
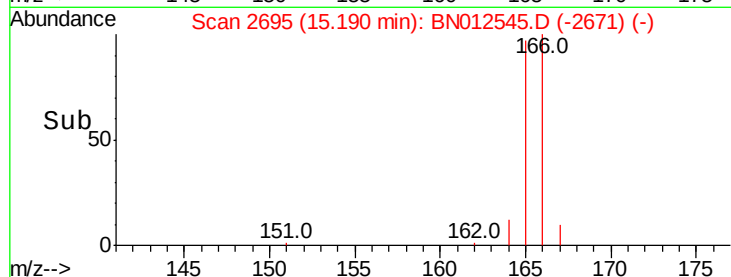
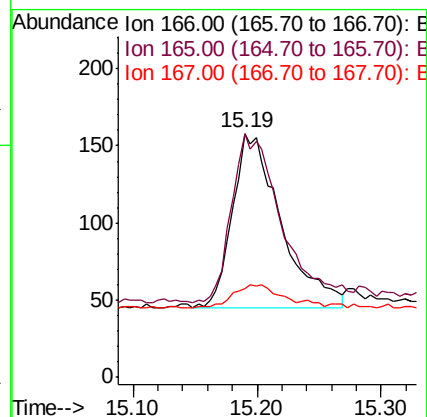
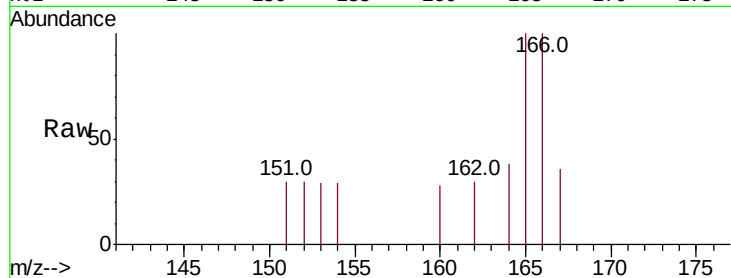
Tot Ion:166 Resp: 309

Ion Ratio Lower Upper

166 100

165 100.0 78.6 117.8

167 36.1 12.6 19.0#



#14

Pentachlorophenol

Concen: 0.055 ng/ul

RT: 16.54 min Scan# 2999

Delta R.T. 0.02 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

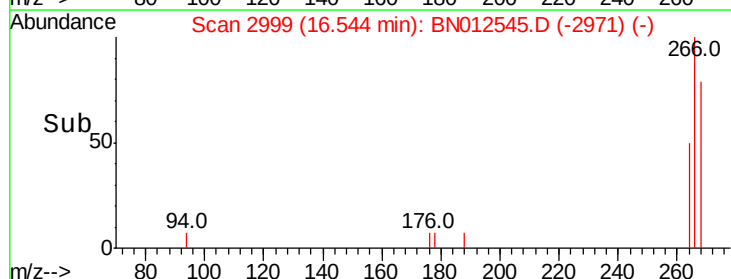
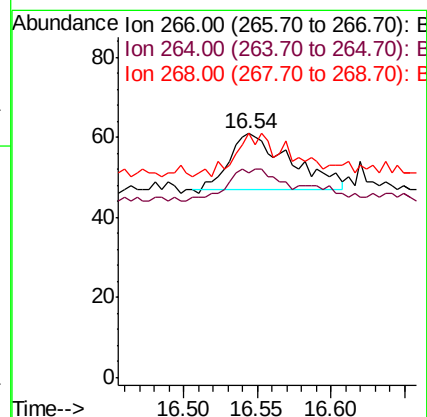
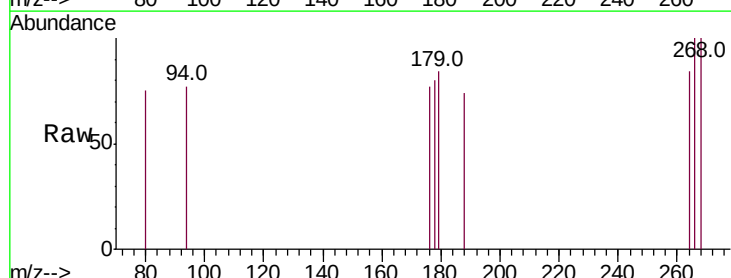
Tgt Ion:266 Resp: 40

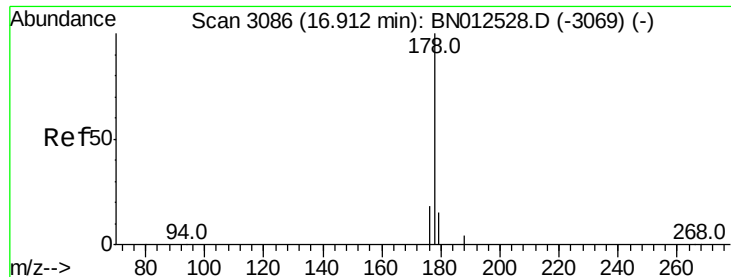
Ion Ratio Lower Upper

266 100

264 67.5 48.6 73.0

268 70.0 55.2 82.8





#15

Phenanthrene

Concen: 0.057 ng/ul

RT: 16.92 min Scan# 3087

Delta R.T. 0.00 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03

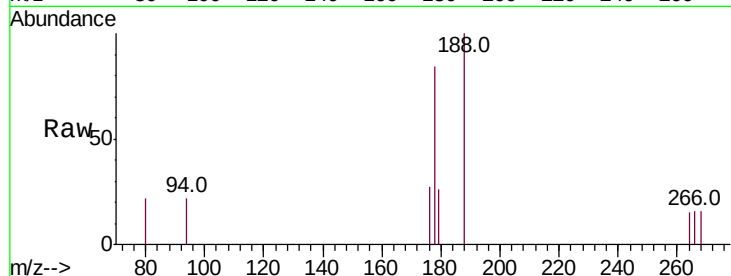
Tot Ion:178 Resp: 508

Ion Ratio Lower Upper

178 100

179 30.7 13.0 19.6#

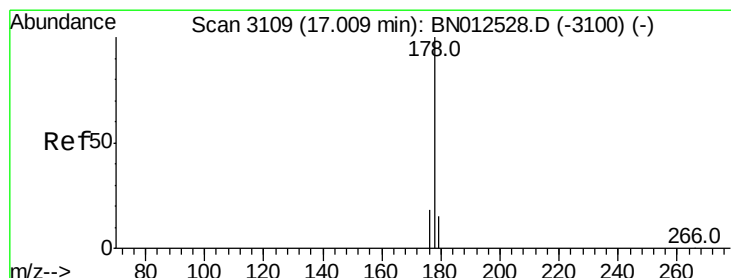
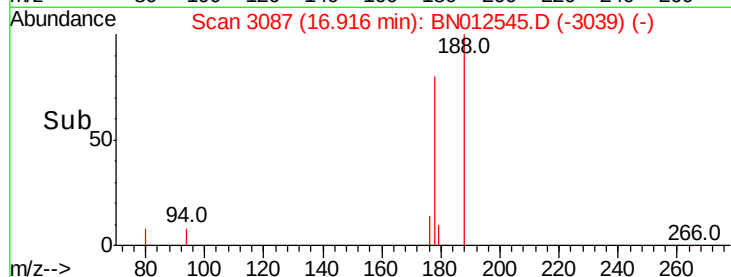
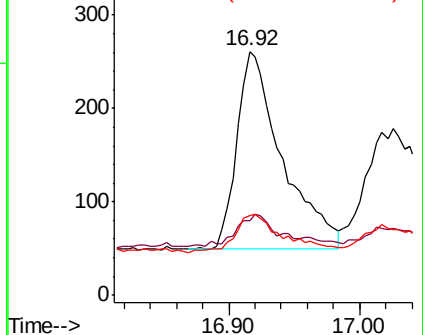
176 32.6 15.8 23.8#



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: 0.052 ng/ul

RT: 17.03 min Scan# 3113

Delta R.T. 0.02 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

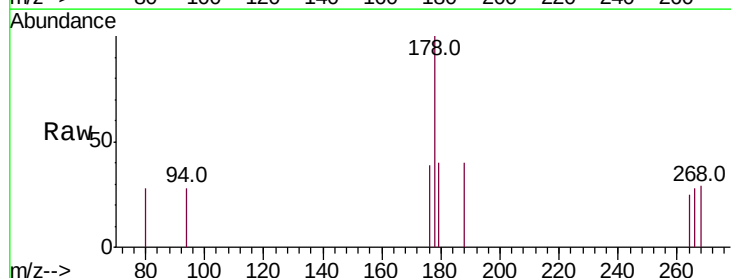
Tgt Ion:178 Resp: 379

Ion Ratio Lower Upper

178 100

179 40.4 14.2 21.4#

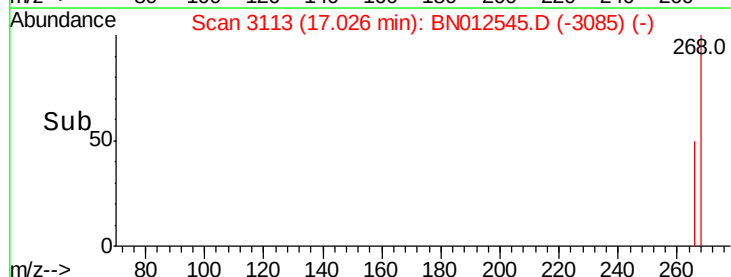
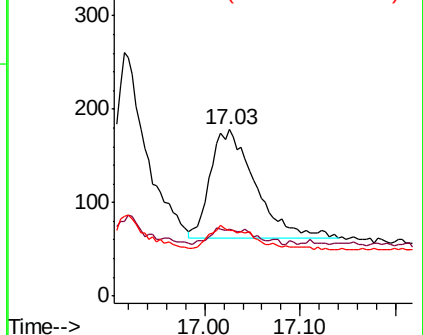
176 39.3 15.9 23.9#

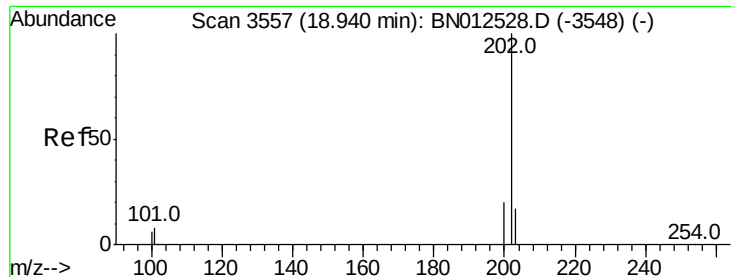


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.067 ng/ul

RT: 18.94 min Scan# 3558

Delta R.T. 0.00 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

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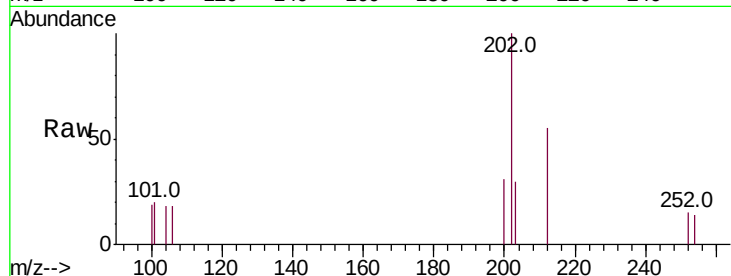
Tot Ion:202 Resp: 653

Ion Ratio Lower Upper

202 100

101 20.0 8.2 12.2#

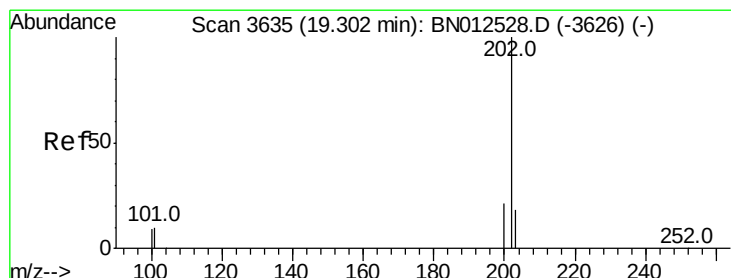
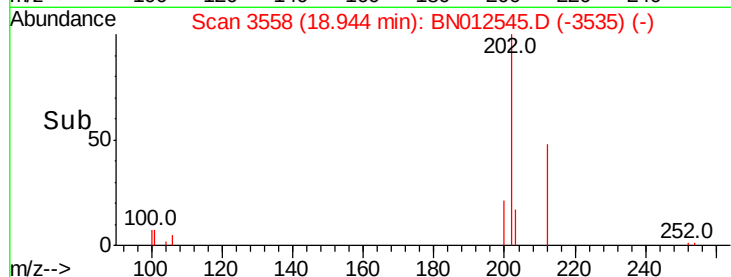
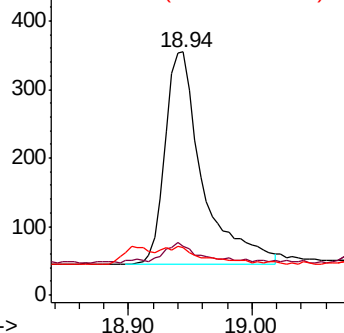
100 19.4 6.9 10.3#



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: 0.064 ng/ul

RT: 19.31 min Scan# 3636

Delta R.T. 0.00 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

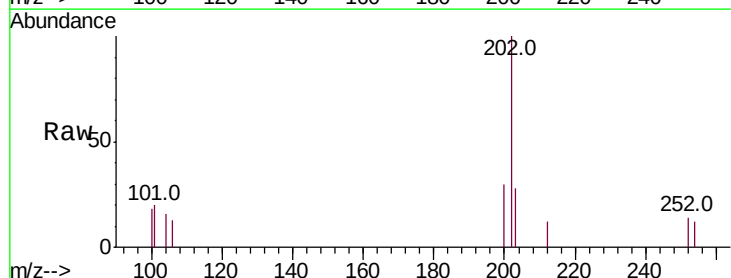
Tgt Ion:202 Resp: 719

Ion Ratio Lower Upper

202 100

101 19.6 9.4 14.2#

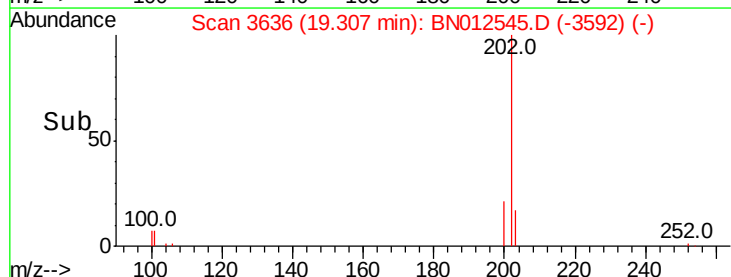
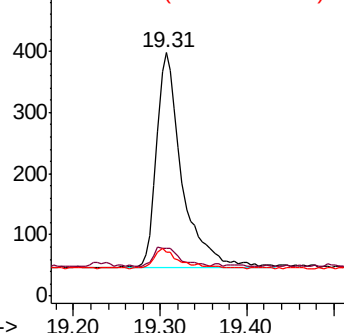
100 18.1 8.6 12.8#

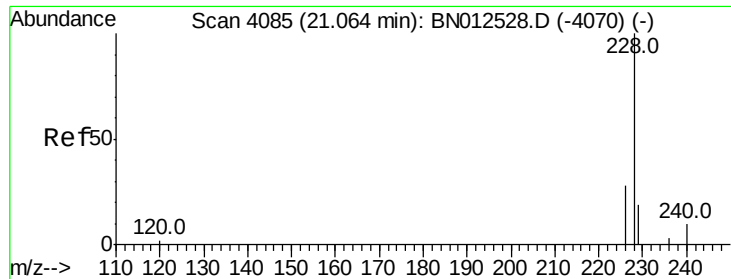


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.066 ng/ul

RT: 21.06 min Scan# 4085

Delta R.T. -0.00 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03

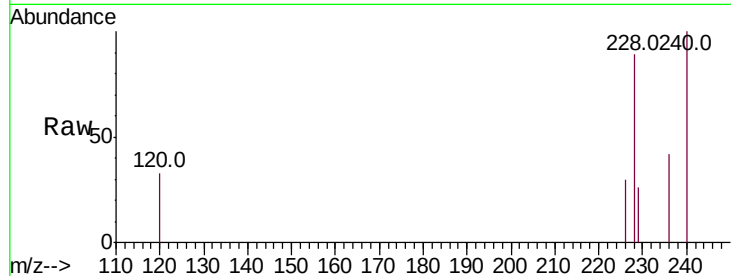
Tot Ion:228 Resp: 574

Ion Ratio Lower Upper

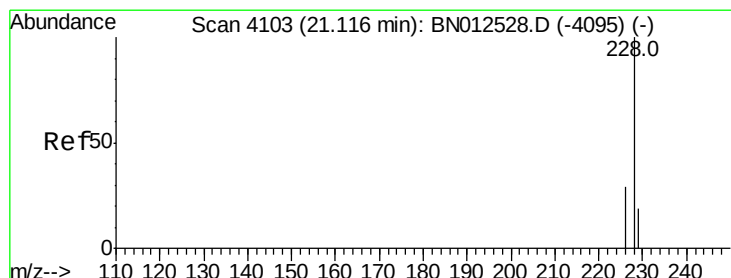
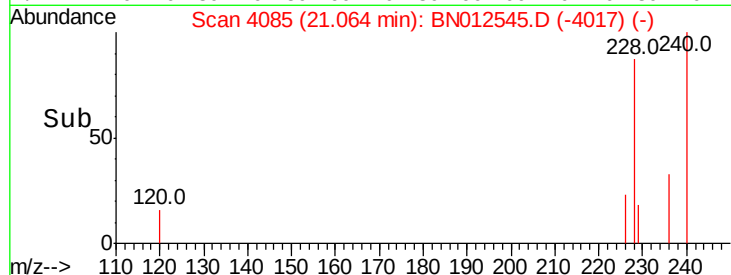
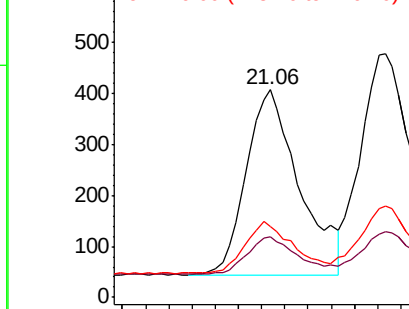
228 100

229 29.0 16.6 25.0#

226 34.2 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: 0.070 ng/ul

RT: 21.11 min Scan# 4102

Delta R.T. -0.00 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

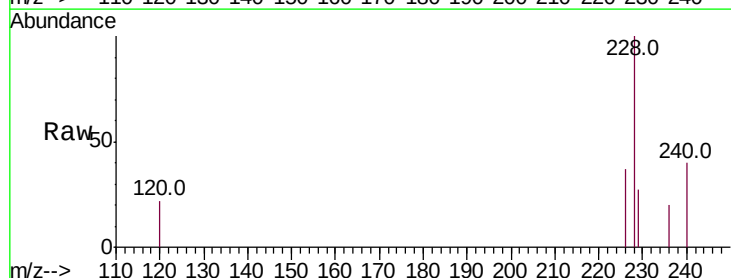
Tgt Ion:228 Resp: 731

Ion Ratio Lower Upper

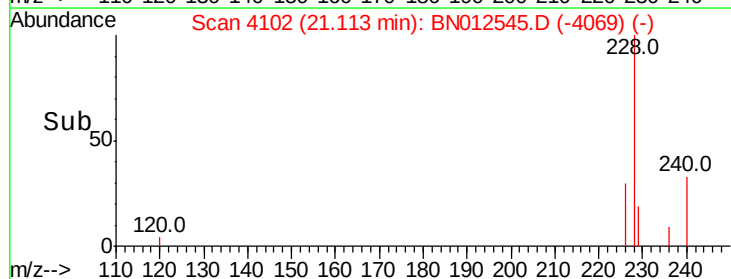
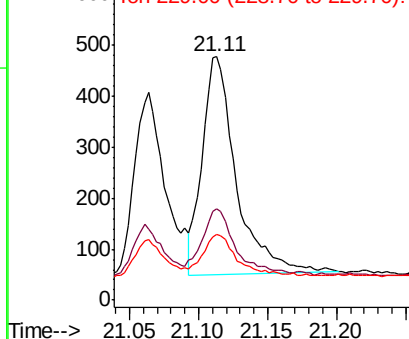
228 100

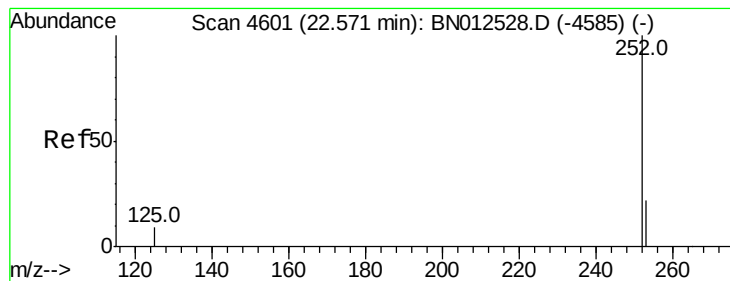
226 37.3 23.9 35.9#

229 27.3 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: 0.063 ng/ul

RT: 22.57 min Scan# 4600

Delta R.T. -0.00 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03

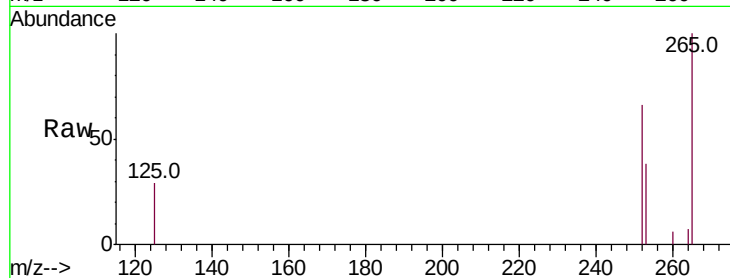
Tot Ion:252 Resp: 674

Ion Ratio Lower Upper

252 100

253 58.0 0.0 59.2

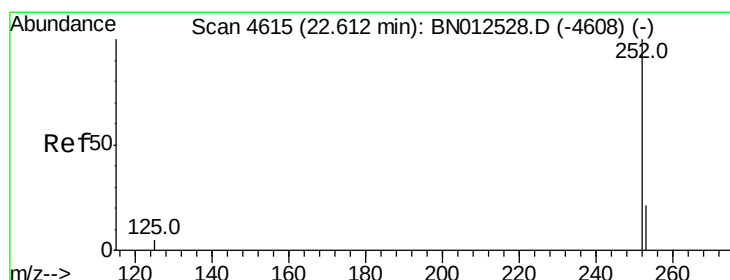
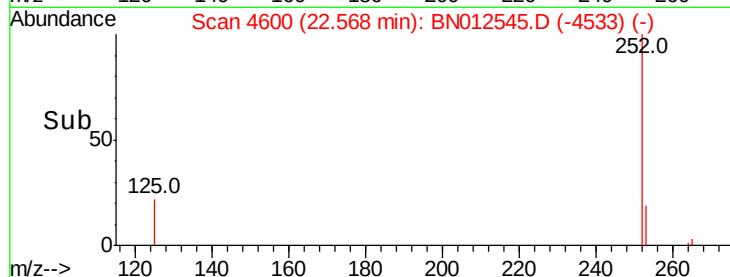
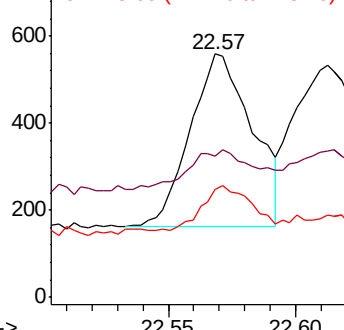
125 44.4 0.0 30.2#



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: 0.070 ng/ul

RT: 22.61 min Scan# 4615

Delta R.T. -0.00 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

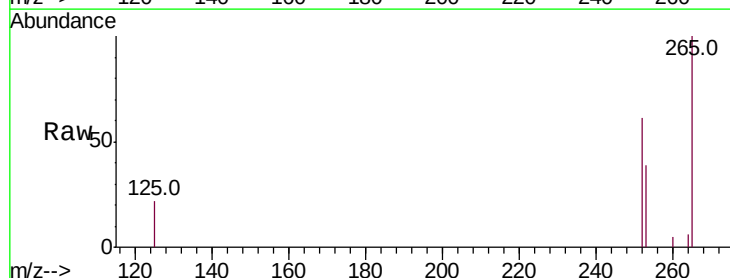
Tgt Ion:252 Resp: 862

Ion Ratio Lower Upper

252 100

253 63.2 23.3 34.9#

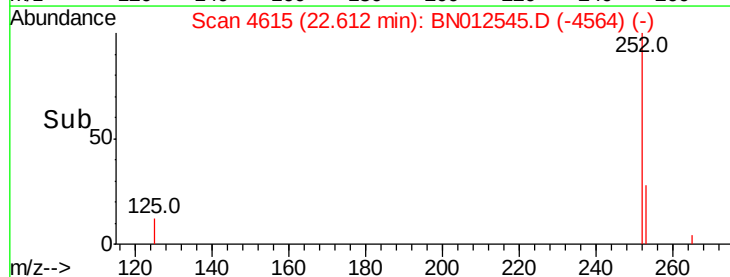
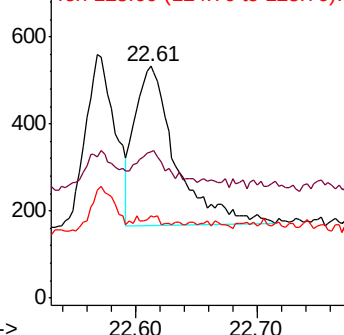
125 35.6 10.6 15.8#

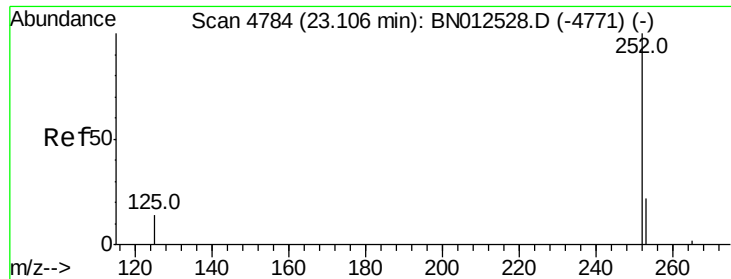


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.064 ng/ul

RT: 23.10 min Scan# 4783

Delta R.T. -0.00 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03

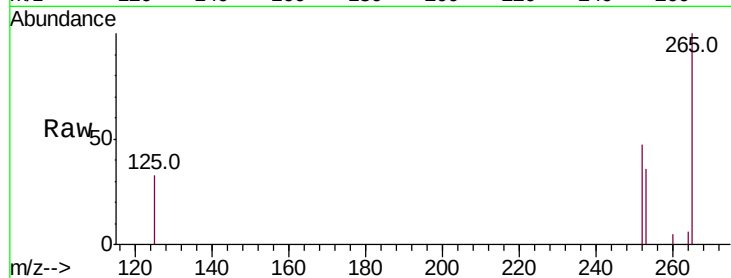
Tot Ion:252 Resp: 652

Ion Ratio Lower Upper

252 100

253 78.5 27.4 41.0#

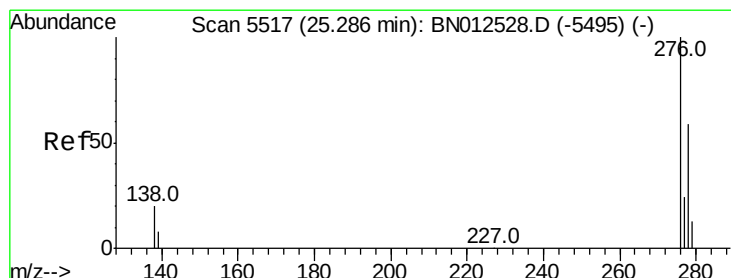
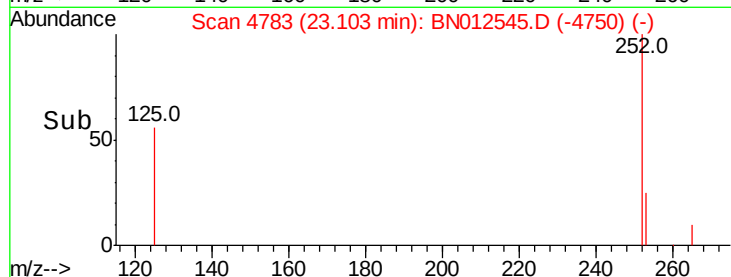
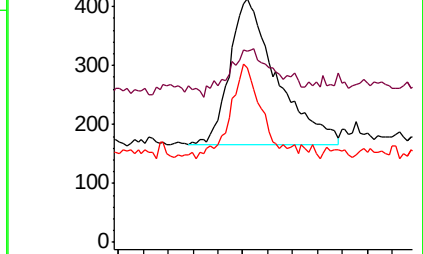
125 71.7 17.7 26.5#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.060 ng/ul

RT: 25.29 min Scan# 5518

Delta R.T. 0.00 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

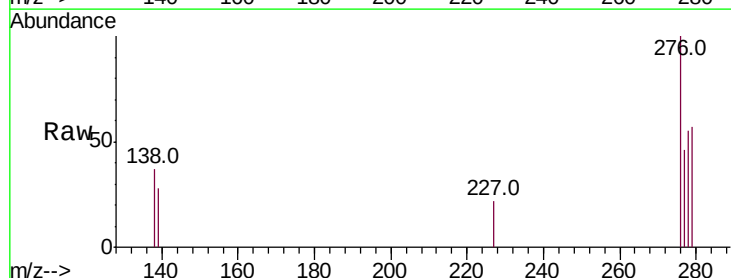
Tgt Ion:276 Resp: 793

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

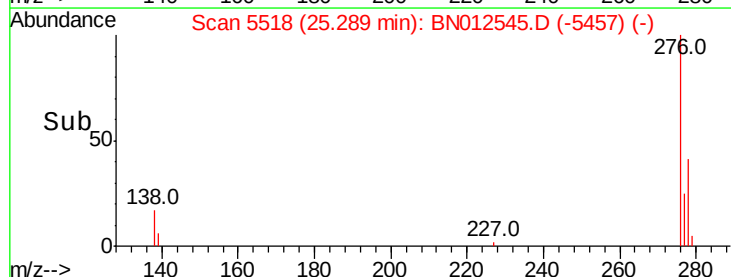
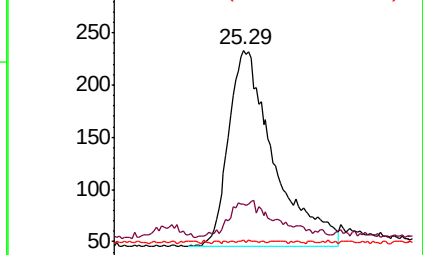
227 0.1 0.1 0.1#

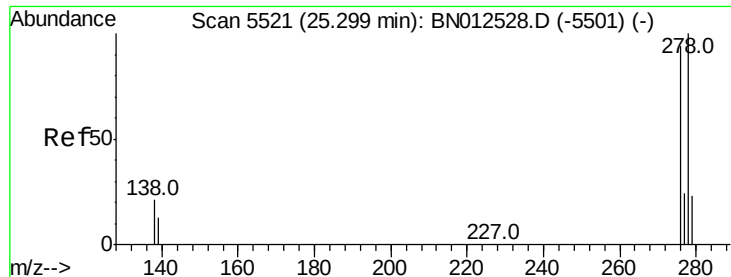


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.060 ng/ul

RT: 25.31 min Scan# 5524

Delta R.T. 0.01 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03

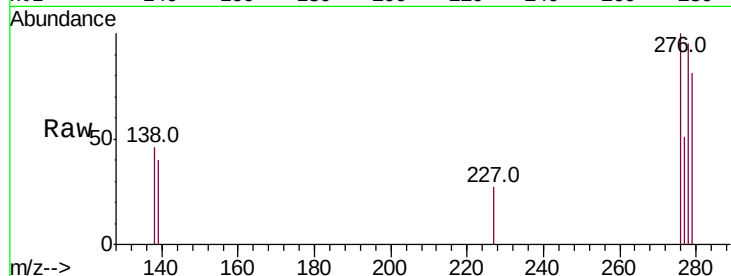
Tot Ion:278 Resp: 639

Ion Ratio Lower Upper

278 100

139 41.6 13.4 20.2#

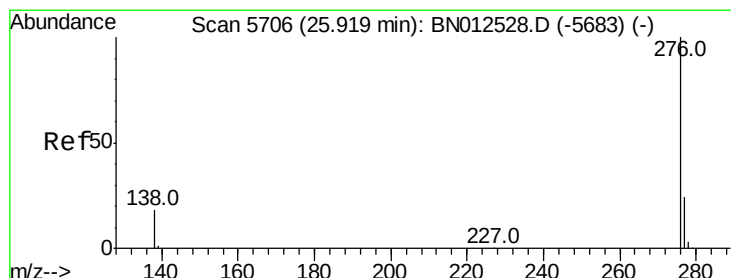
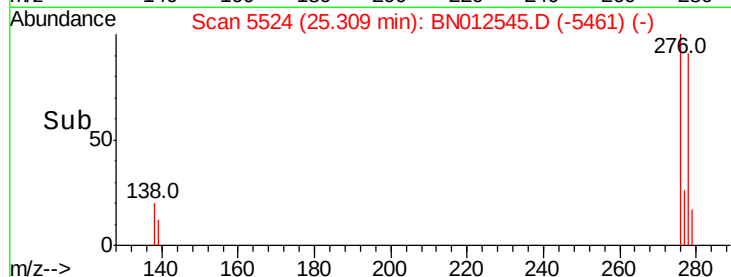
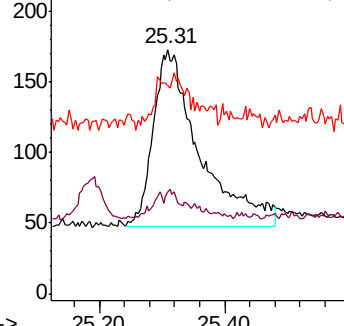
279 85.5 25.8 38.6#



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: 0.062 ng/ul

RT: 25.92 min Scan# 5707

Delta R.T. 0.00 min

Lab File: BN012545.D

Acq: 10 Nov 2020 23:16

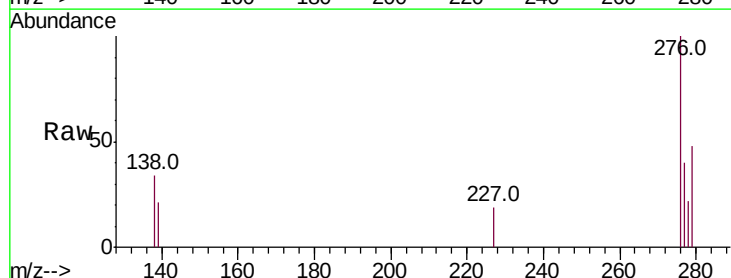
Tgt Ion:276 Resp: 768

Ion Ratio Lower Upper

276 100

138 34.4 17.1 25.7#

277 39.8 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

