

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011421\
 Data File : BN013407.D
 Acq On : 14 Jan 2021 12:17
 Operator : CG/JU
 Sample : L5214-02
 Misc : SFAM-SIMMDL-W-02
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT1-2021-02

Quant Time: Jan 14 12:50:57 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 : Thu Jan 14 10:44:35 2021
 Response via : Initial Calibration

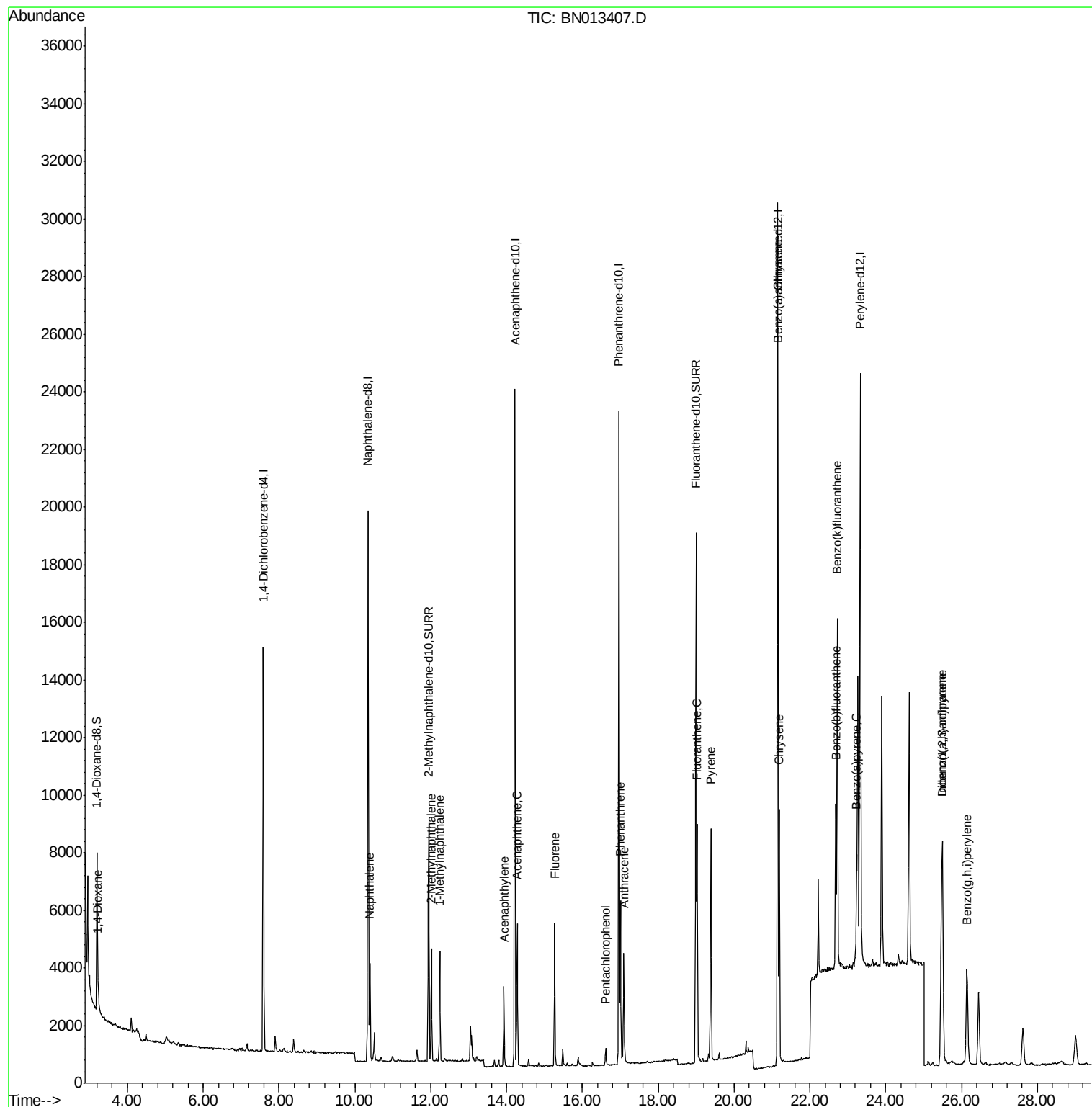
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	6782	0.40	ng/ul	0.00
4) Naphthalene-d8	10.35	136	25302	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.22	164	12871	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.96	188	27115	0.40	ng/ul	0.00
19) Chrysene-d12	21.16	240	24266	0.40	ng/ul	0.00
23) Perylene-d12	23.33	264	25030	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	3879	0.54	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.95	152	11112	0.29	ng/ul	0.00
17) Fluoranthene-d10	19.00	212	20227	0.28	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.23	88	532	0.075	ng/ul#	66
5) Naphthalene	10.40	128	4411	0.062	ng/ul	97
7) 2-Methylnaphthalene	12.02	142	2849	0.060	ng/ul	99
8) 1-Methylnaphthalene	12.24	142	2676	0.059	ng/ul	99
10) Acenaphthylene	13.94	152	3212	0.057	ng/ul	97
11) Acenaphthene	14.28	153	2825	0.061	ng/ul	98
12) Fluorene	15.27	166	3117	0.059	ng/ul	99
14) Pentachlorophenol	16.62	266	392	0.071	ng/ul	95
15) Phenanthrene	17.00	178	5680	0.066	ng/ul	97
16) Anthracene	17.09	178	4405	0.058	ng/ul	95
18) Fluoranthene	19.03	202	6985	0.070	ng/ul	99
20) Pyrene	19.39	202	6944	0.072	ng/ul	97
21) Benzo(a)anthracene	21.14	228	5941	0.067	ng/ul	99
22) Chrysene	21.19	228	7249	0.074	ng/ul	99
24) Benzo(b)fluoranthene	22.68	252	7255	0.073	ng/ul	87
25) Benzo(k)fluoranthene	22.72	252	8312	0.084	ng/ul#	15
26) Benzo(a)pyrene	23.23	252	6731	0.078	ng/ul#	79
27) Indeno(1,2,3-cd)pyrene	25.49	276	8636	0.079	ng/ul#	47
28) Dibenzo(a,h)anthracene	25.50	278	6643	0.072	ng/ul#	89
29) Benzo(g,h,i)perylene	26.14	276	6817	0.071	ng/ul	96

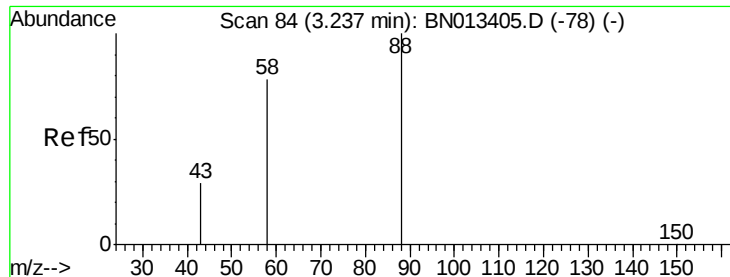
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.075 ng/ul

RT: 3.23 min Scan# 83

Delta R.T. -0.00 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2021-02

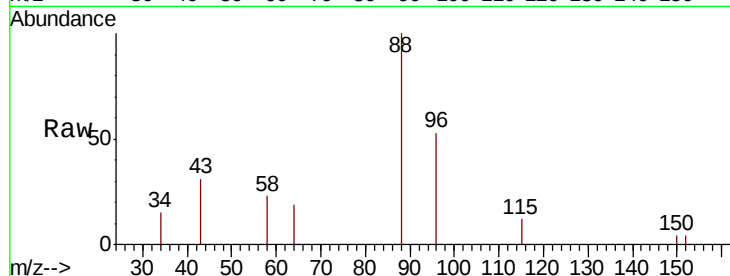
Tot Ion: 88 Resp: 532

Ion Ratio Lower Upper

88 100

43 30.6 31.5 47.3#

58 22.9 46.4 69.6#

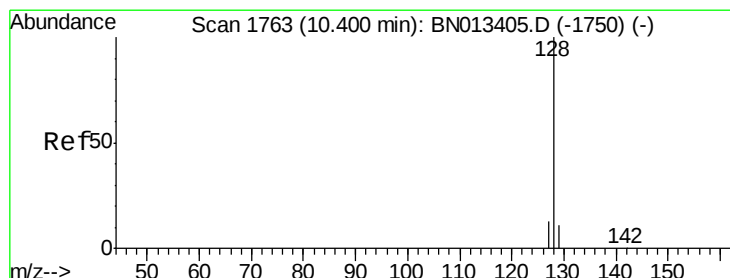
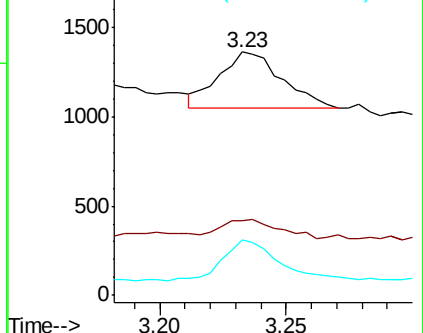
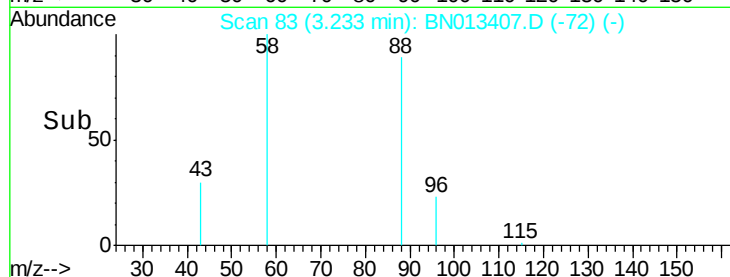


Abundance Ion 88.00 (87.70 to 88.70): BN013407.D (-72) (-)

Ion 43.00 (42.70 to 43.70): BN013407.D (-72) (-)

Ion 58.00 (57.70 to 58.70): BN013407.D (-72) (-)

Time-->



#5

Naphthalene

Concen: 0.062 ng/ul

RT: 10.40 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

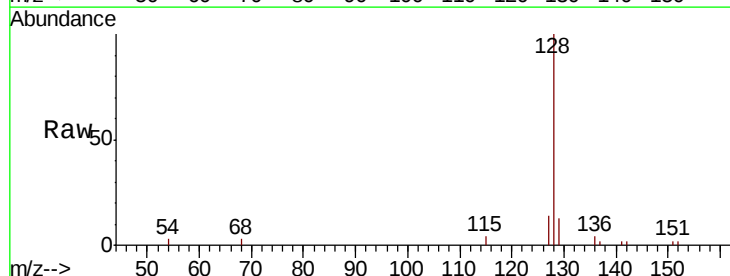
Tgt Ion: 128 Resp: 4411

Ion Ratio Lower Upper

128 100

129 13.3 9.1 13.7

127 14.0 10.6 16.0

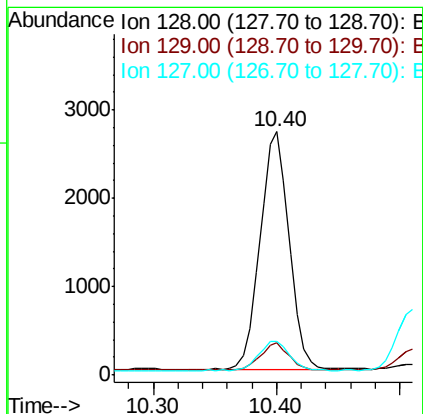
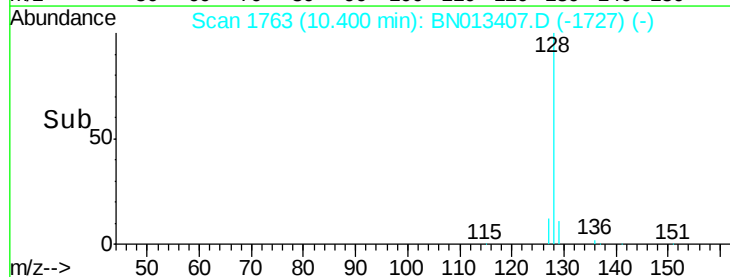


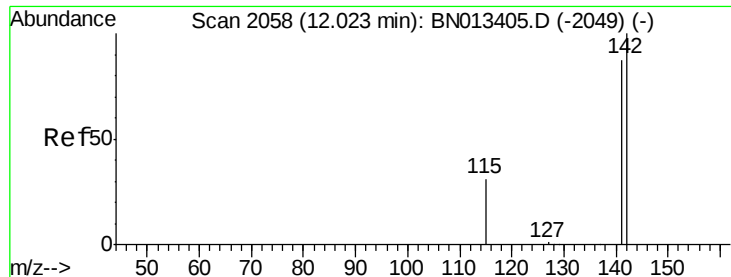
Abundance Ion 128.00 (127.70 to 128.70): BN013407.D (-1727) (-)

Ion 129.00 (128.70 to 129.70): BN013407.D (-1727) (-)

Ion 127.00 (126.70 to 127.70): BN013407.D (-1727) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.060 ng/ul

RT: 12.02 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

Instrument :

BNA_N

ClientSampleId :

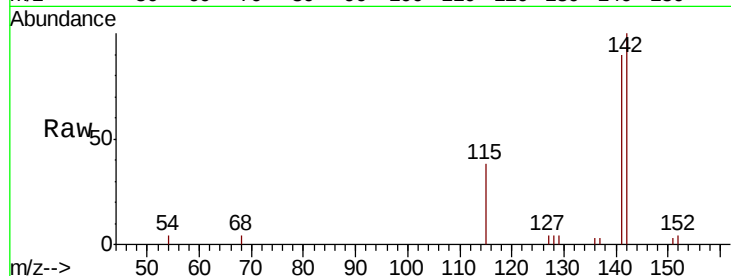
MDL-WATER-QT1-2021-02

Tot Ion:142 Resp: 2849

Ion Ratio Lower Upper

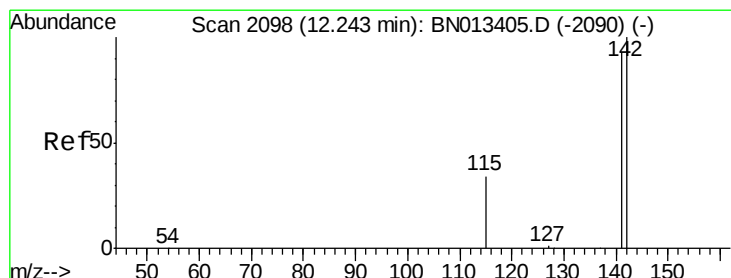
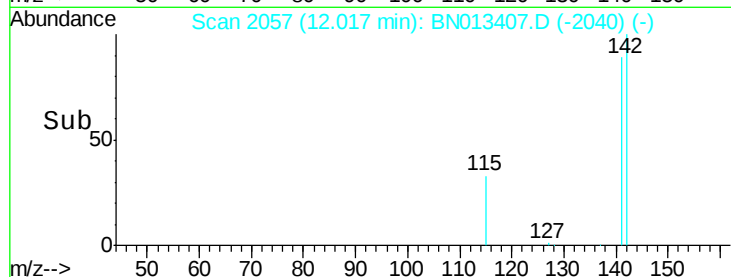
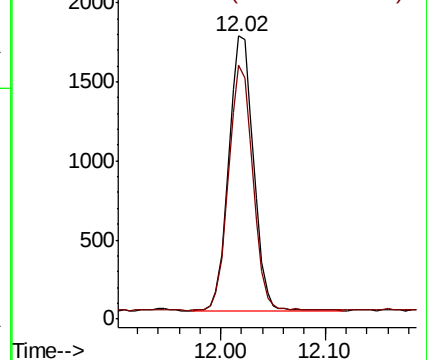
142 100

141 87.5 70.7 106.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.059 ng/ul

RT: 12.24 min Scan# 2098

Delta R.T. 0.00 min

Lab File: BN013407.D

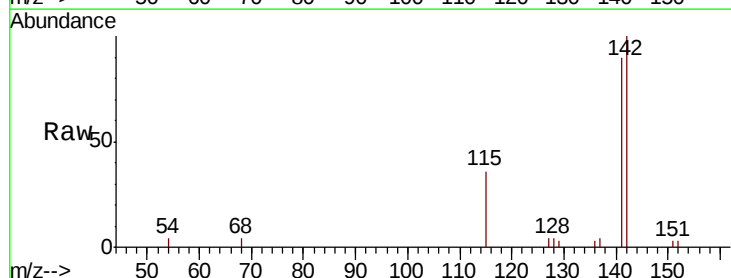
Acq: 14 Jan 2021 12:17

Tgt Ion:142 Resp: 2676

Ion Ratio Lower Upper

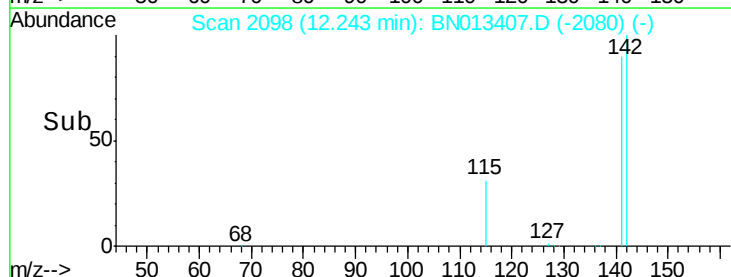
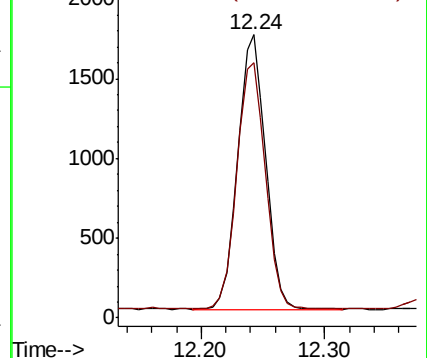
142 100

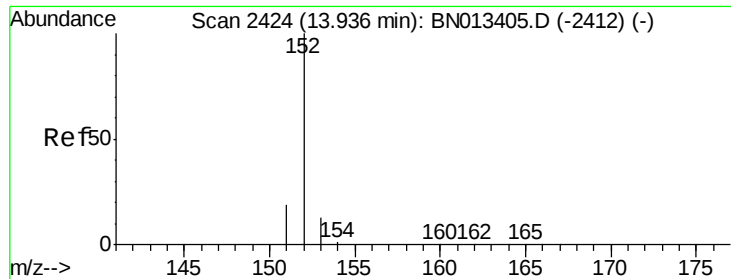
141 92.1 73.2 109.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.057 ng/ul

RT: 13.94 min Scan# 2424

Delta R.T. 0.00 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2021-02

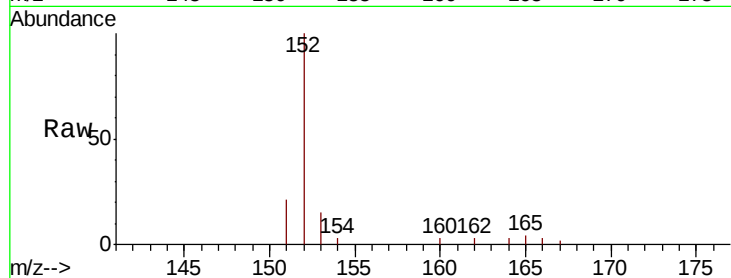
Tot Ion:152 Resp: 3212

Ion Ratio Lower Upper

152 100

151 21.4 16.2 24.4

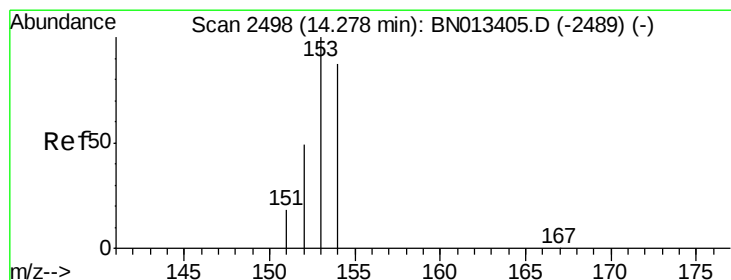
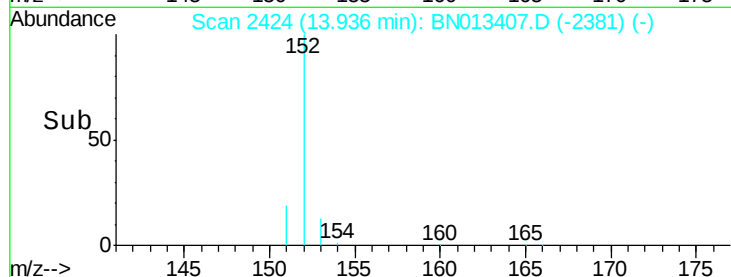
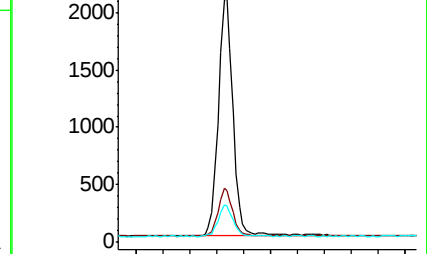
153 15.1 10.6 16.0



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



#11

Acenaphthene

Concen: 0.061 ng/ul

RT: 14.28 min Scan# 2498

Delta R.T. 0.00 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

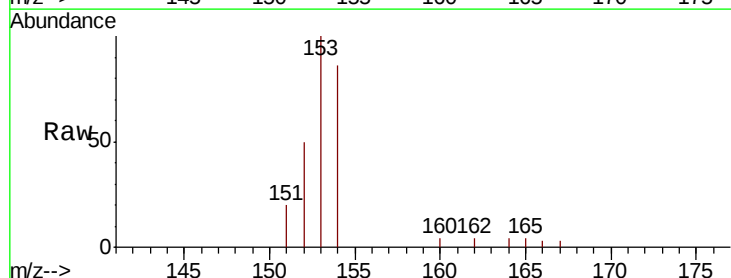
Tgt Ion:153 Resp: 2825

Ion Ratio Lower Upper

153 100

152 49.6 38.6 58.0

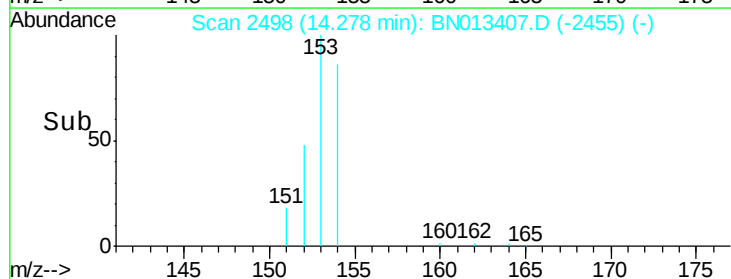
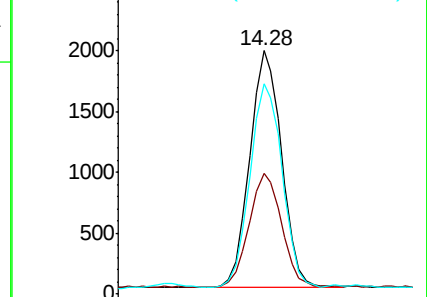
154 86.3 70.1 105.1

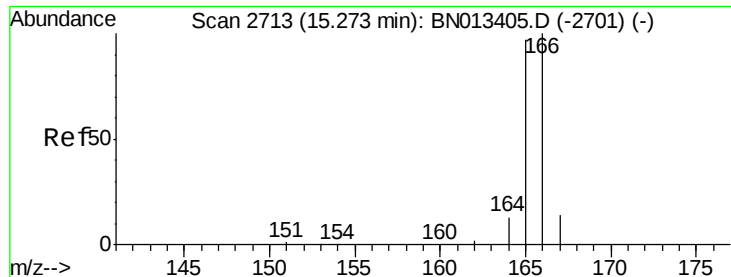


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.059 ng/ul

RT: 15.27 min Scan# 2712

Delta R.T. -0.00 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2021-02

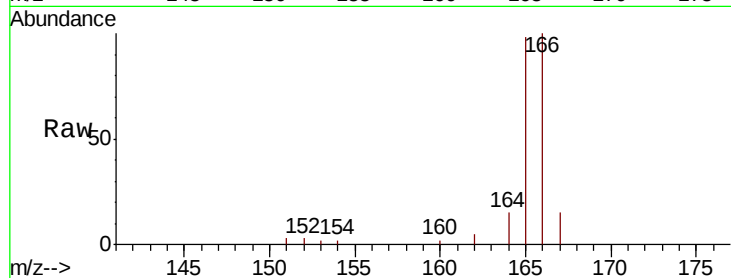
Tot Ion:166 Resp: 3117

Ion Ratio Lower Upper

166 100

165 97.6 79.0 118.4

167 14.9 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

15.27

2000

1500

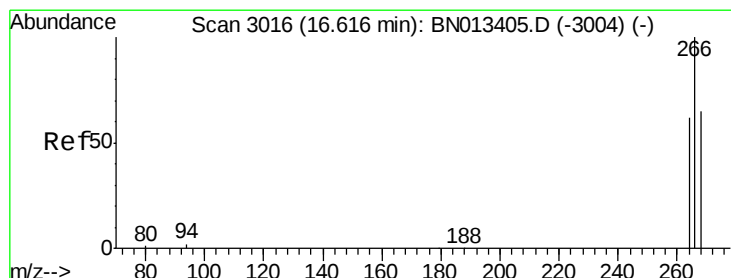
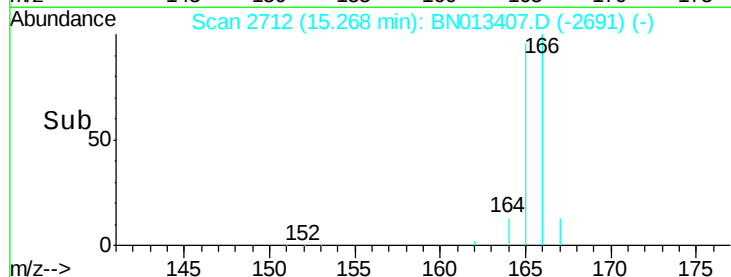
1000

500

0

Time-->

15.20 15.30 15.40



#14

Pentachlorophenol

Concen: 0.071 ng/ul

RT: 16.62 min Scan# 3016

Delta R.T. 0.00 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

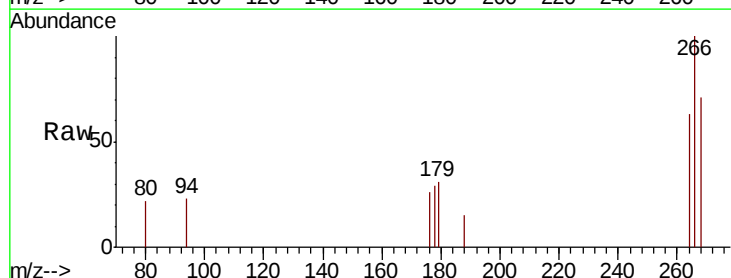
Tgt Ion:266 Resp: 392

Ion Ratio Lower Upper

266 100

264 68.9 49.5 74.3

268 66.1 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

16.62

400

300

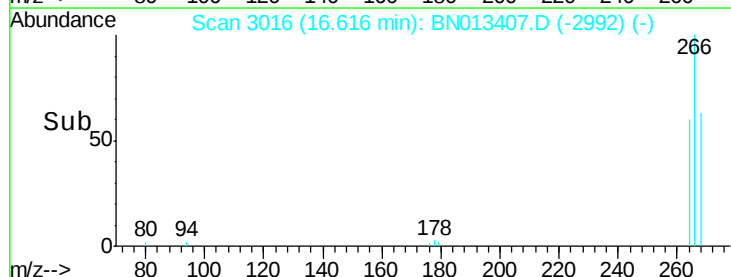
200

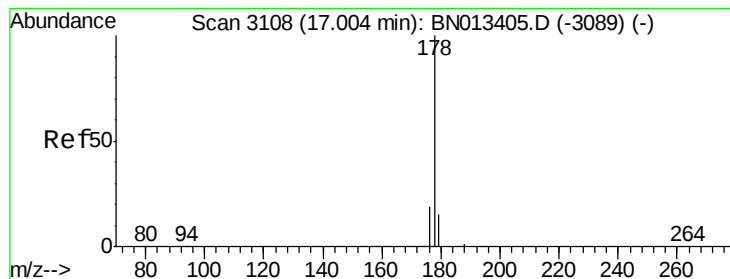
100

0

Time-->

16.55 16.60 16.65 16.70





#15

Phenanthrene

Concen: 0.066 ng/ul

RT: 17.00 min Scan# 3108

Delta R.T. 0.00 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2021-02

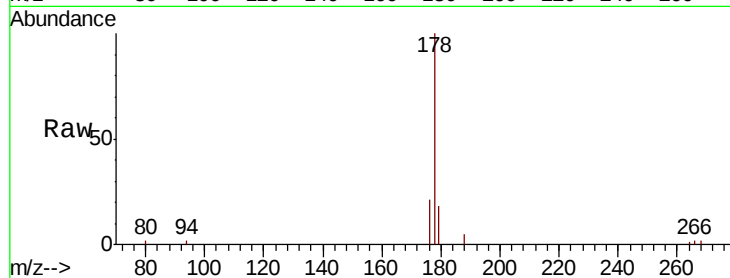
Tot Ion:178 Resp: 5680

Ion Ratio Lower Upper

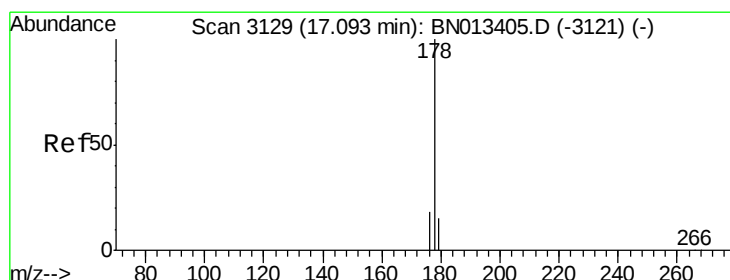
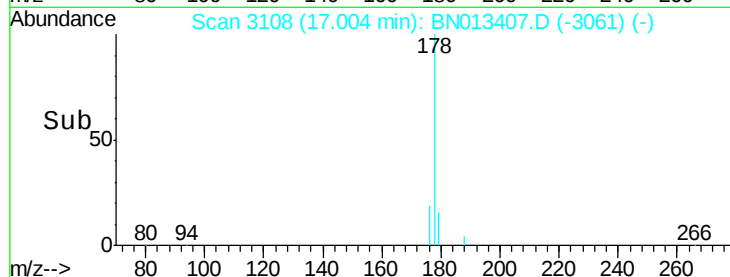
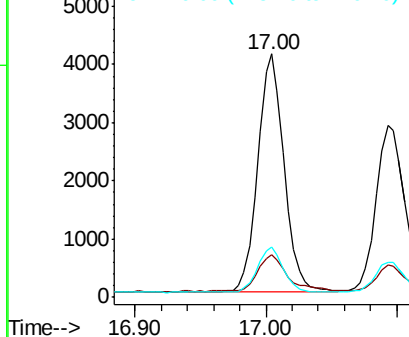
178 100

179 17.6 12.7 19.1

176 20.5 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: 17.09 min Scan# 3129

Delta R.T. 0.00 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

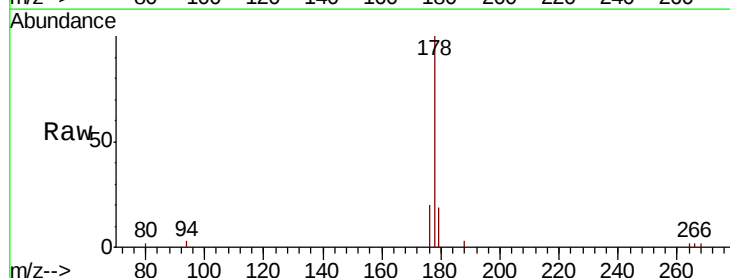
Tgt Ion:178 Resp: 4405

Ion Ratio Lower Upper

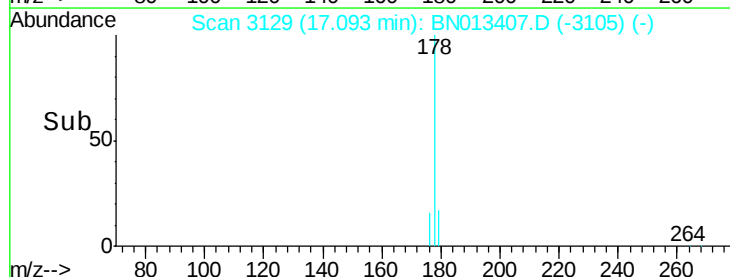
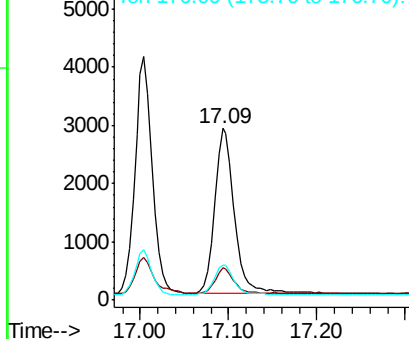
178 100

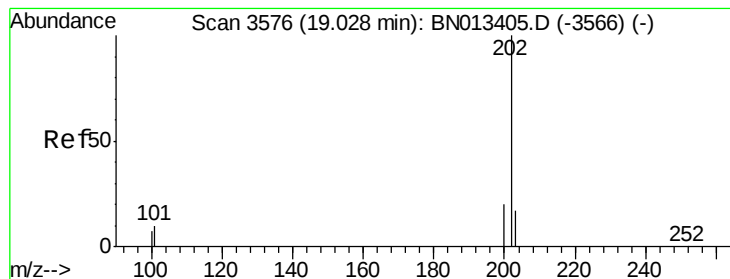
179 18.8 12.7 19.1

176 20.3 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: 0.070 ng/ul

RT: 19.03 min Scan# 3576

Delta R.T. 0.00 min

Lab File: BN013407.D

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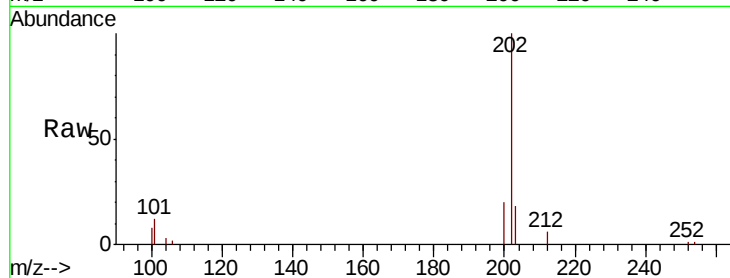
Tot Ion:202 Resp: 6985

Ion Ratio Lower Upper

202 100

101 11.5 9.3 13.9

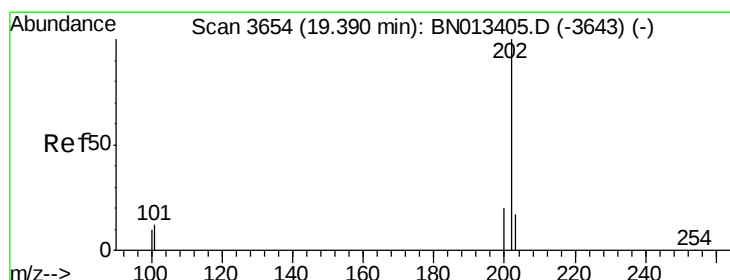
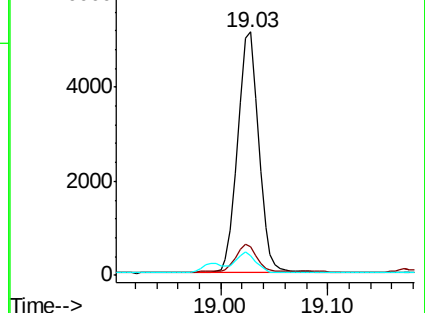
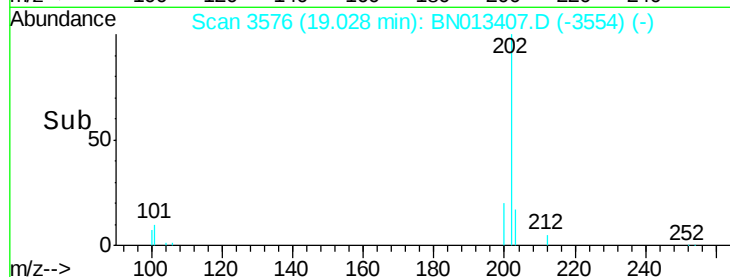
100 8.2 7.0 10.4



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: 0.072 ng/ul

RT: 19.39 min Scan# 3654

Delta R.T. 0.00 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

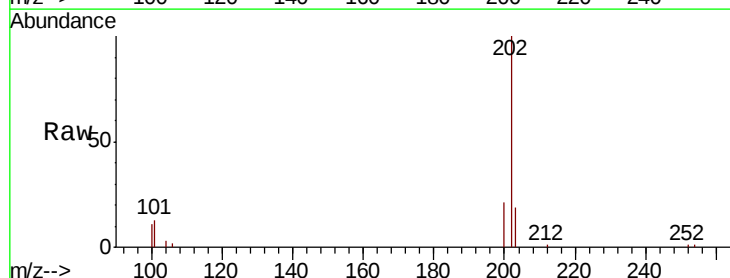
Tgt Ion:202 Resp: 6944

Ion Ratio Lower Upper

202 100

101 13.2 9.7 14.5

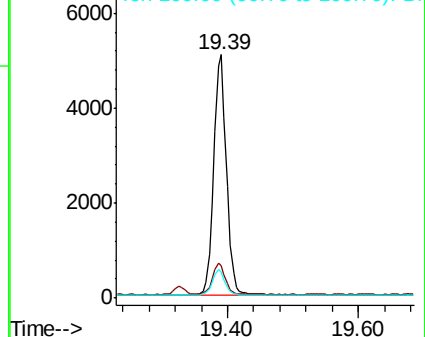
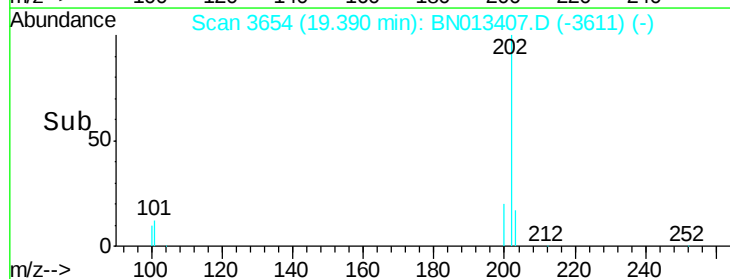
100 10.5 7.6 11.4

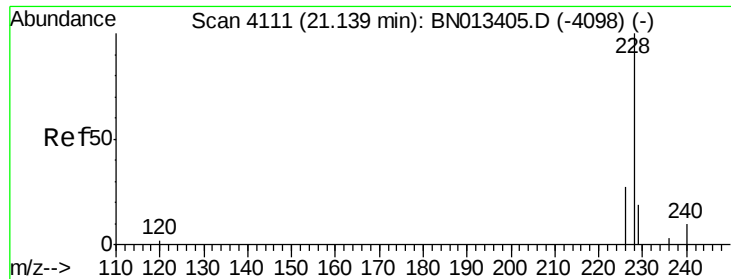


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.067 ng/ul

RT: 21.14 min Scan# 4112

Delta R.T. 0.00 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

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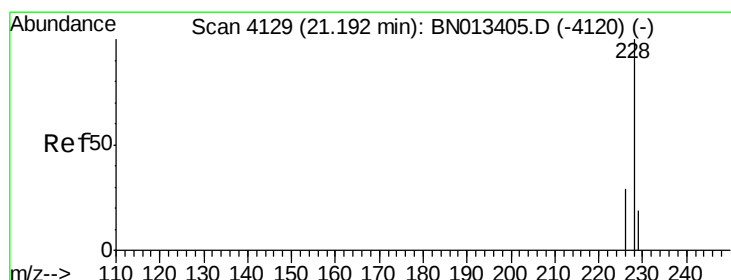
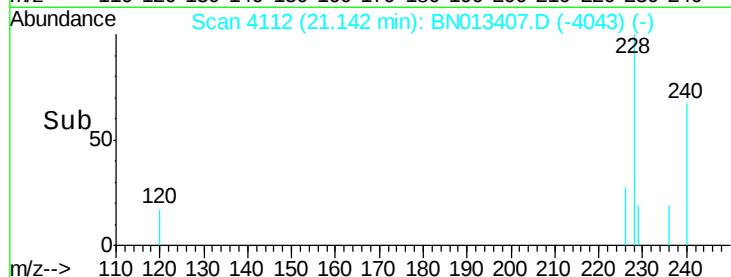
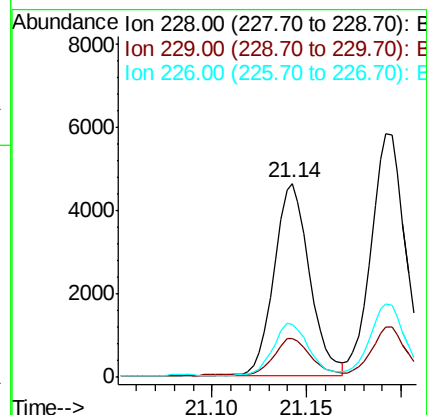
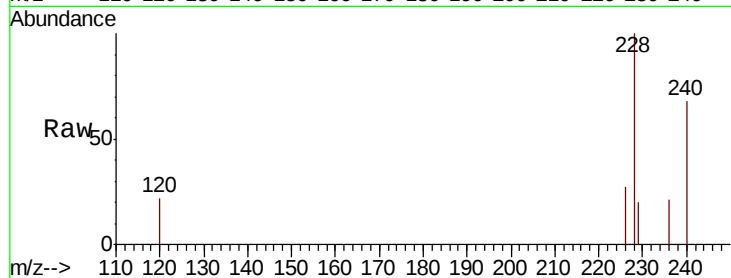
Tot Ion:228 Resp: 5941

Ion Ratio Lower Upper

228 100

229 20.1 15.8 23.6

226 27.4 21.6 32.4



#22

Chrysene

Concen: 0.074 ng/ul

RT: 21.19 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

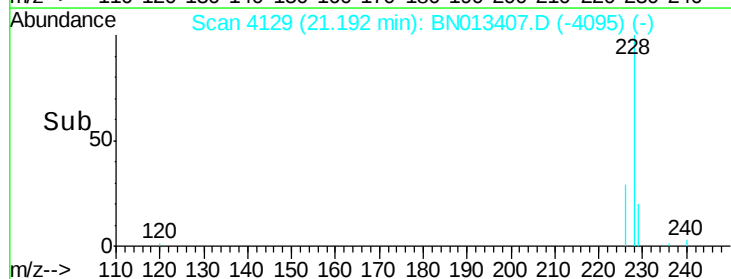
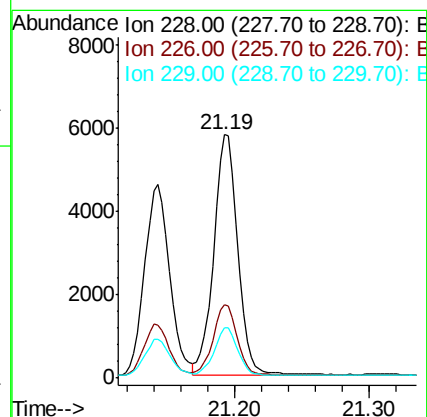
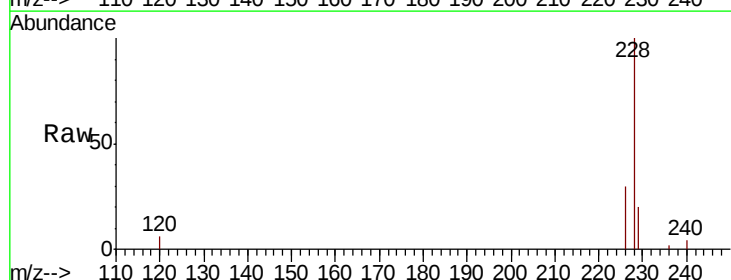
Tgt Ion:228 Resp: 7249

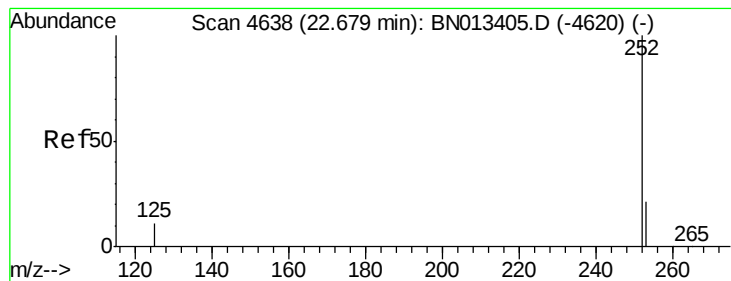
Ion Ratio Lower Upper

228 100

226 30.1 23.6 35.4

229 20.5 15.7 23.5





#24

Benzo(b)fluoranthene

Concen: 0.073 ng/ul

RT: 22.68 min Scan# 4639

Delta R.T. 0.00 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2021-02

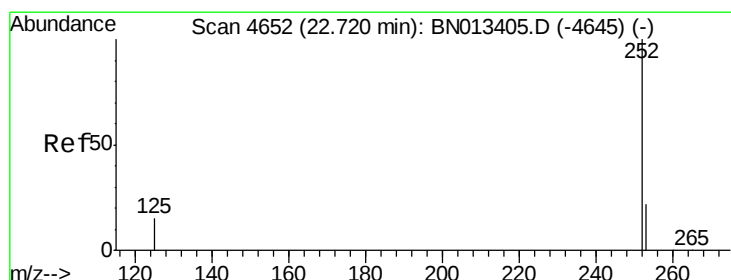
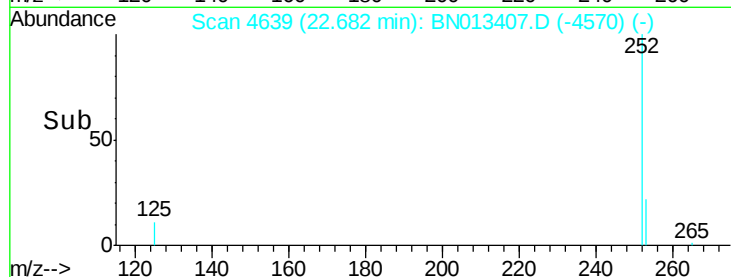
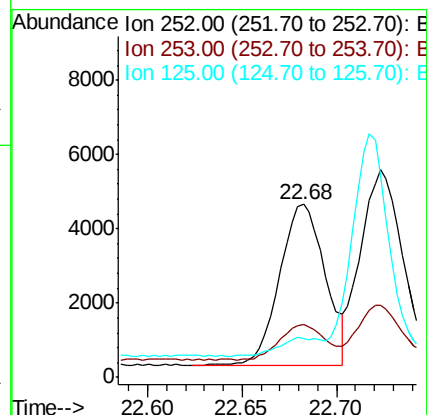
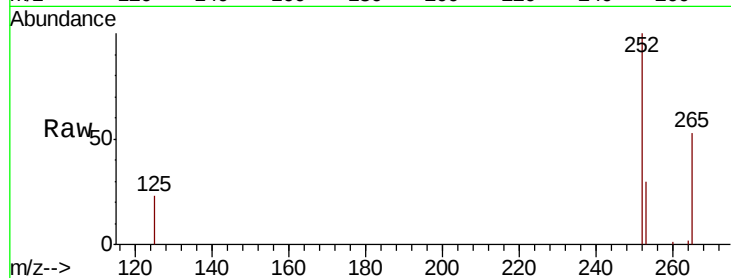
Tot Ion:252 Resp: 7255

Ion Ratio Lower Upper

252 100

253 30.4 0.0 49.6

125 22.7 0.0 31.8



#25

Benzo(k)fluoranthene

Concen: 0.084 ng/ul

RT: 22.72 min Scan# 4653

Delta R.T. 0.00 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

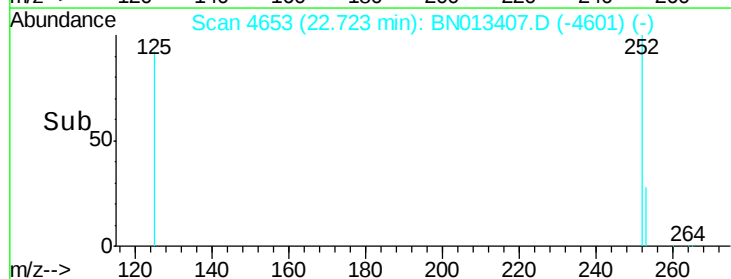
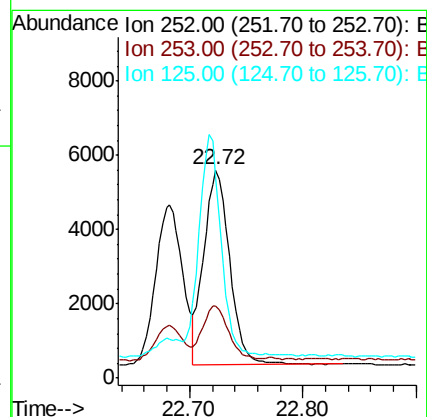
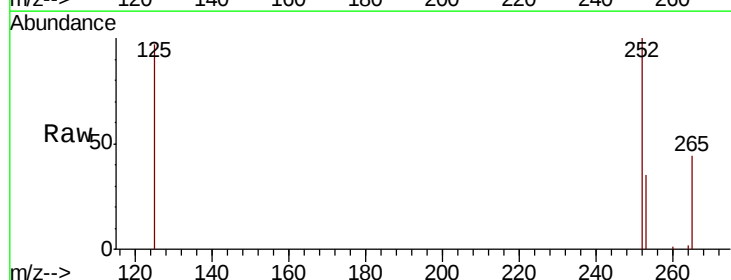
Tgt Ion:252 Resp: 8312

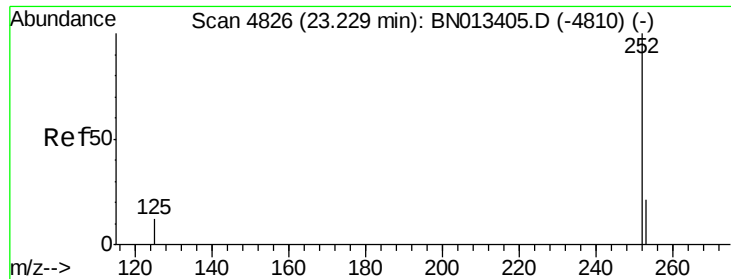
Ion Ratio Lower Upper

252 100

253 34.6 20.3 30.5#

125 96.9 13.3 19.9#





#26

Benzo(a)pyrene

Concen: 0.078 ng/u1

RT: 23.23 min Scan# 4827

Delta R.T. 0.00 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2021-02

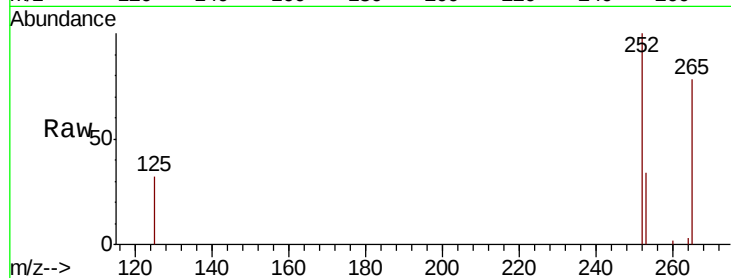
Tot Ion:252 Resp: 6731

Ion Ratio Lower Upper

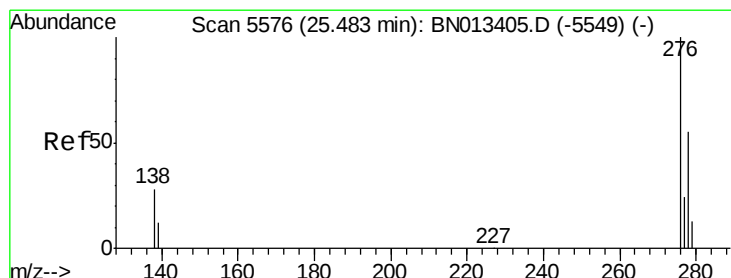
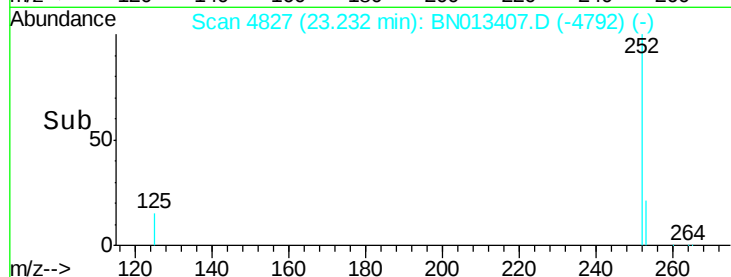
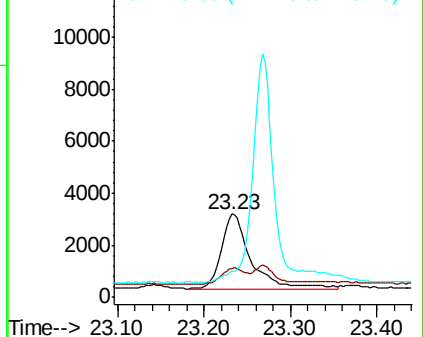
252 100

253 34.2 21.3 31.9#

125 31.6 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: 0.079 ng/u1

RT: 25.49 min Scan# 5578

Delta R.T. 0.01 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

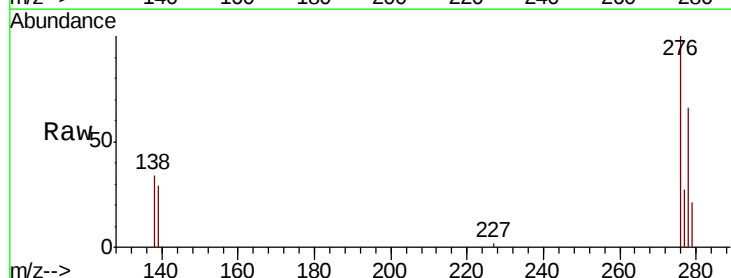
Tgt Ion:276 Resp: 8636

Ion Ratio Lower Upper

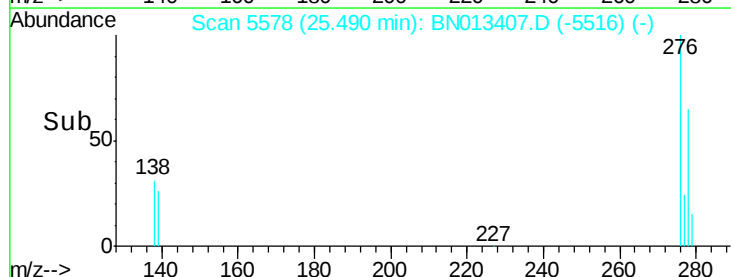
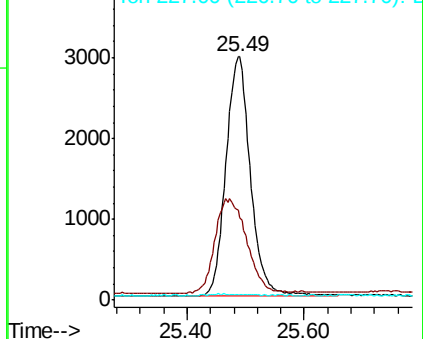
276 100

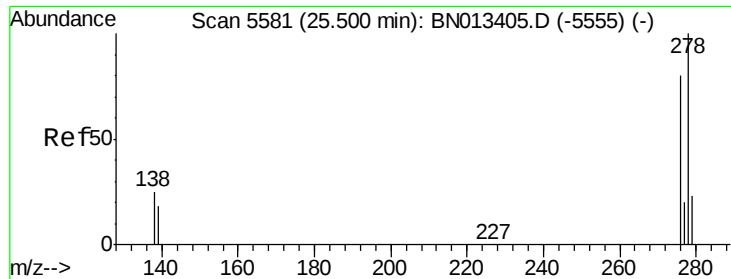
138 0.0 22.6 33.8#

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: 0.072 ng/ul

RT: 25.50 min Scan# 5581

Delta R.T. 0.00 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT1-2021-02

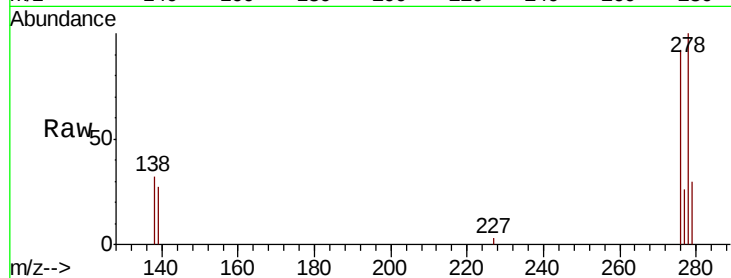
Tot Ion:278 Resp: 6643

Ion Ratio Lower Upper

278 100

139 26.8 16.2 24.4#

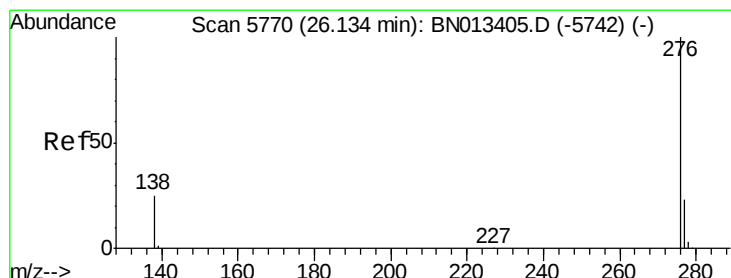
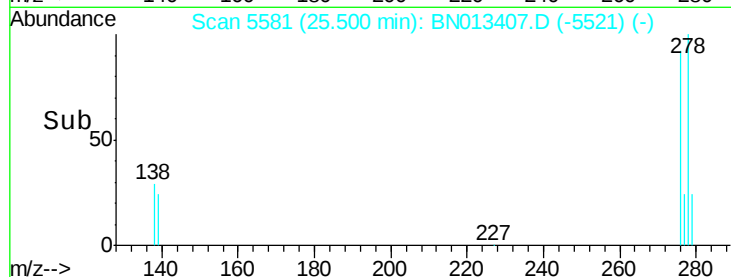
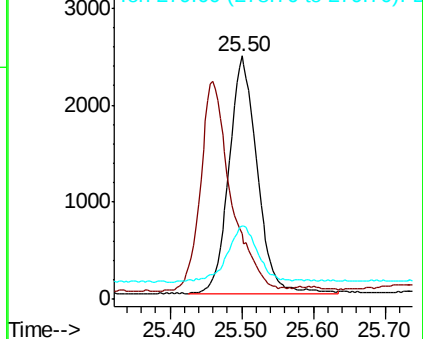
279 30.4 21.0 31.6



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: 0.071 ng/ul

RT: 26.14 min Scan# 5772

Delta R.T. 0.01 min

Lab File: BN013407.D

Acq: 14 Jan 2021 12:17

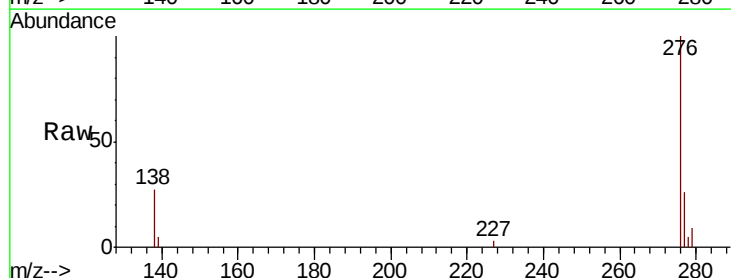
Tgt Ion:276 Resp: 6817

Ion Ratio Lower Upper

276 100

138 27.2 19.3 28.9

277 26.4 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

