

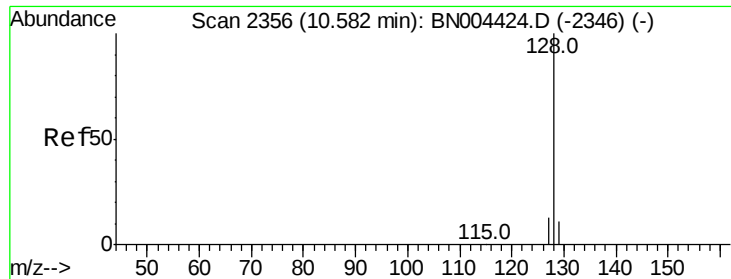
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021419\
 Data File : BN004431.D
 Acq On : 14 Feb 2019 21:32
 Operator : JU/SJ
 Sample : MDL-S-06
 Misc : 0.07 PPM
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-S-06

Quant Time: Feb 15 01:24:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 14:04:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	1035	0.40	ng/ul	0.00
2) Naphthalene-d8	10.53	136	3988	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	2388	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	6775	0.40	ng/ul	0.00
16) Chrysene-d12	21.33	240	8802	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	9258	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	2196	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	7366	0.35	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.58	128	841	0.073	ng/ul#	85
5) 2-Methylnaphthalene	12.20	142	594	0.073	ng/ul	100
7) Acenaphthylene	14.11	152	717	0.066	ng/ul#	86
8) Acenaphthene	14.44	153	678	0.072	ng/ul	96
9) Fluorene	15.43	166	811	0.072	ng/ul#	94
11) Pentachlorophenol	16.78	266	49	0.034	ng/ul	96
12) Phenanthrene	17.17	178	1577	0.072	ng/ul#	92
13) Anthracene	17.26	178	1223	0.066	ng/ul#	88
15) Fluoranthene	19.19	202	1942	0.072	ng/ul	93
17) Pyrene	19.56	202	1941	0.068	ng/ul#	93
18) Benzo(a)anthracene	21.31	228	1947	0.069	ng/ul	96
19) Chrysene	21.37	228	2442	0.074	ng/ul	97
21) Benzo(b)fluoranthene	22.91	252	2742	0.074	ng/ul	79
22) Benzo(k)fluoranthene	22.96	252	2501	0.069	ng/ul#	76
23) Benzo(a)pyrene	23.49	252	2293	0.069	ng/ul#	71
24) Indeno(1,2,3-cd)pyrene	25.89	276	3138	0.072	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.90	278	2510	0.071	ng/ul#	85
26) Benzo(g,h,i)perylene	26.59	276	2940	0.075	ng/ul	92

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



#3

Naphthalene

Concen: 0.073 ng/ul

RT: 10.58 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN004431.D

Acq: 14 Feb 2019 21:32

Instrument :

BNA_N

ClientSampleId :

MDL-S-06

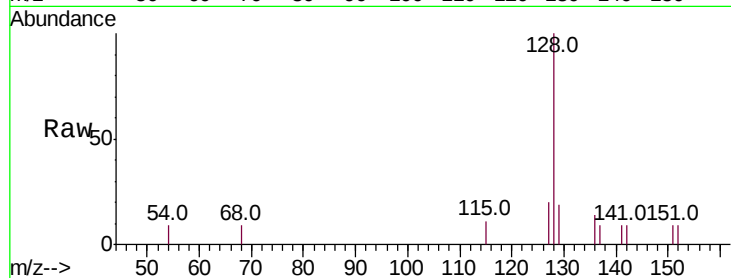
Tot Ion:128 Resp: 841

Ion Ratio Lower Upper

128 100

129 18.5 9.8 14.6#

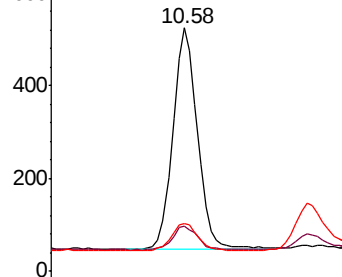
127 19.8 11.4 17.0#



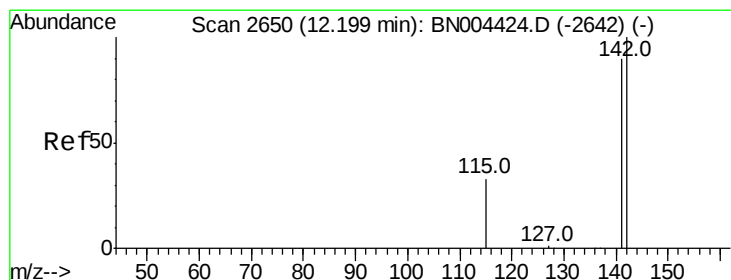
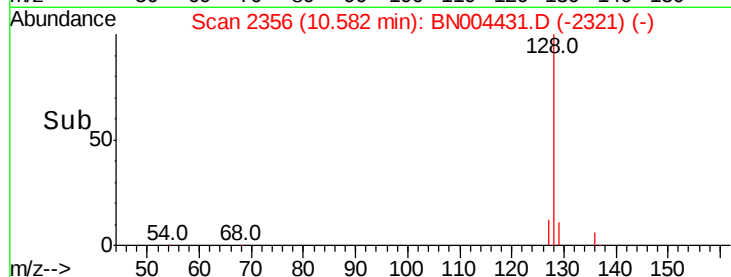
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.073 ng/ul

RT: 12.20 min Scan# 2650

Delta R.T. -0.01 min

Lab File: BN004431.D

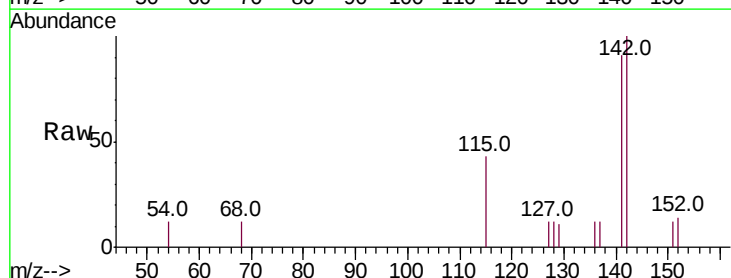
Acq: 14 Feb 2019 21:32

Tgt Ion:142 Resp: 594

Ion Ratio Lower Upper

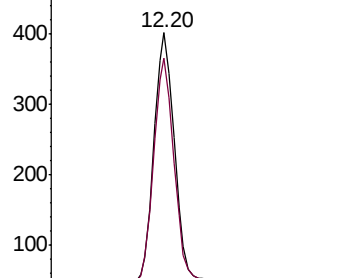
142 100

141 89.4 71.8 107.6

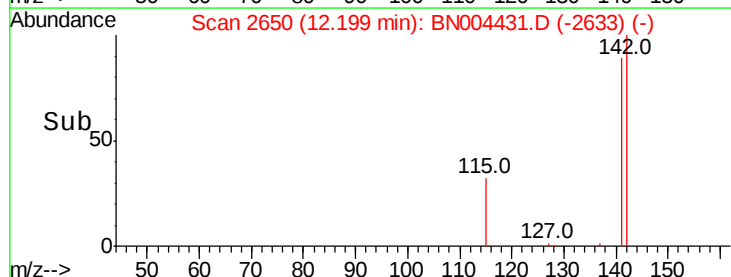


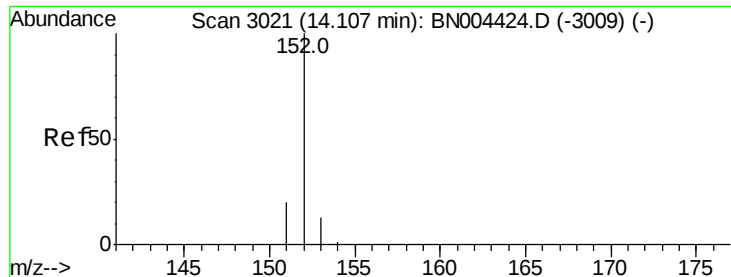
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.066 ng/ul

RT: 14.11 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BN004431.D

Acq: 14 Feb 2019 21:32

Instrument :

BNA_N

ClientSampleId :

MDL-S-06

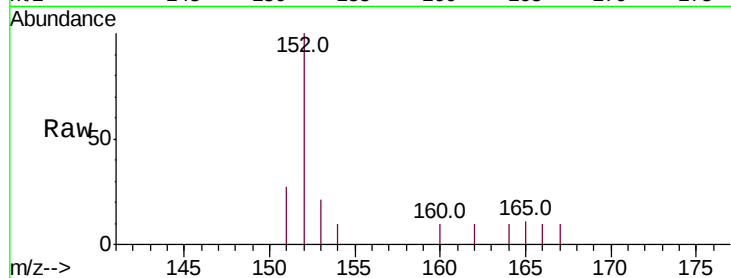
Tot Ion:152 Resp: 717

Ion Ratio Lower Upper

152 100

151 26.8 16.6 24.8#

153 20.5 11.1 16.7#



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

600

500

400

300

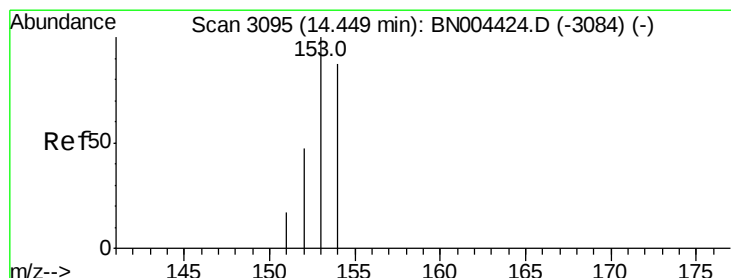
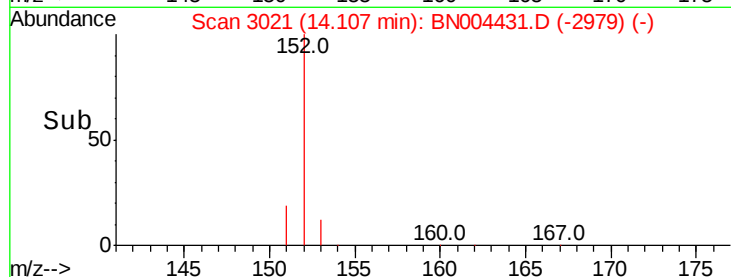
200

100

0

14.00 14.10 14.20 14.30

Time-->



#8

Acenaphthene

Concen: 0.072 ng/ul

RT: 14.44 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BN004431.D

Acq: 14 Feb 2019 21:32

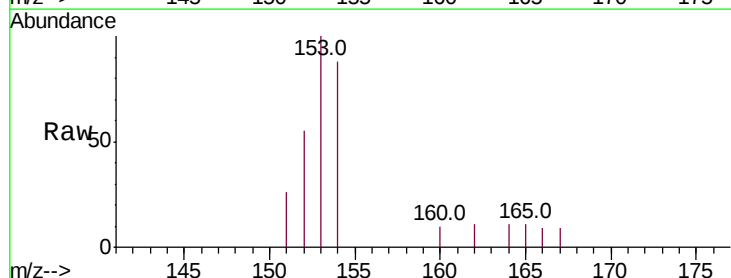
Tgt Ion:153 Resp: 678

Ion Ratio Lower Upper

153 100

152 54.8 38.4 57.6

154 88.4 71.4 107.0



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

600

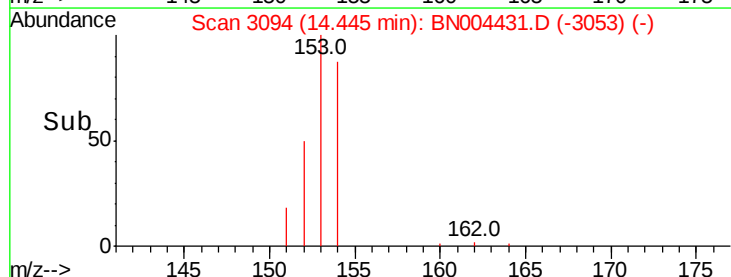
400

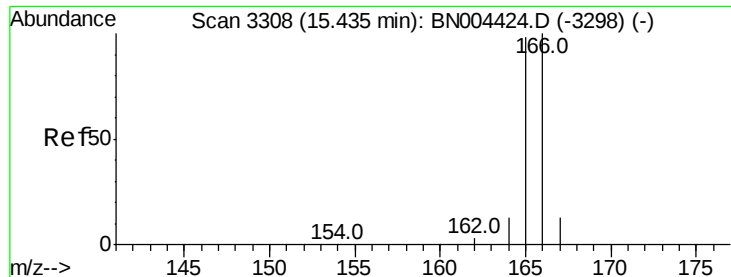
200

0

14.40 14.50 14.60

Time-->





#9

Fluorene

Concen: 0.072 ng/ul

RT: 15.43 min Scan# 3308

Delta R.T. -0.00 min

Lab File: BN004431.D

Acq: 14 Feb 2019 21:32

Instrument :

BNA_N

ClientSampleId :

MDL-S-06

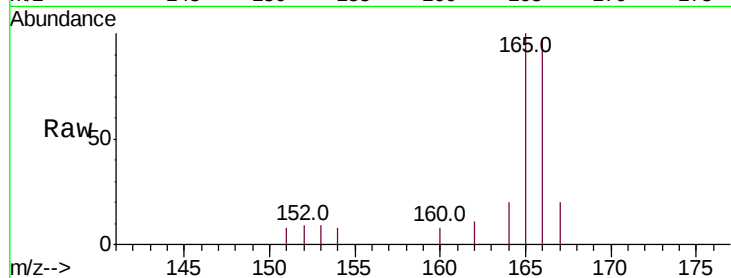
Tot Ion:166 Resp: 811

Ion Ratio Lower Upper

166 100

165 102.8 78.9 118.3

167 20.9 11.6 17.4#



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

800

600

400

200

0

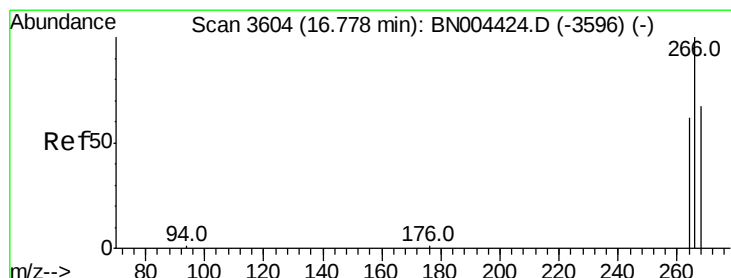
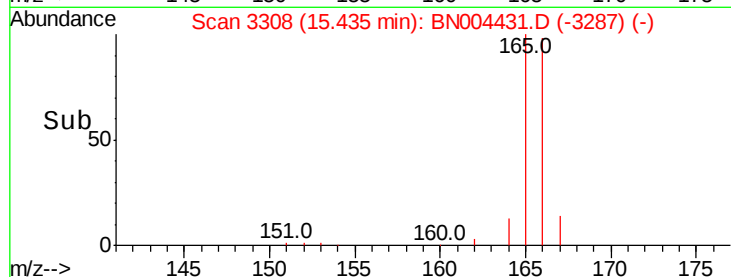
15.43

15.40

15.50

15.60

Time-->



#11

Pentachlorophenol

Concen: 0.034 ng/ul

RT: 16.78 min Scan# 3604

Delta R.T. -0.00 min

Lab File: BN004431.D

Acq: 14 Feb 2019 21:32

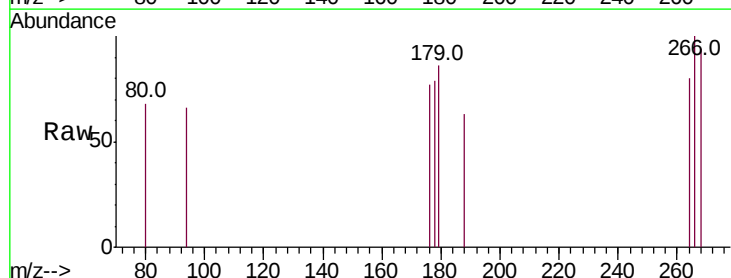
Tgt Ion:266 Resp: 49

Ion Ratio Lower Upper

266 100

264 61.2 52.3 78.5

268 59.2 49.0 73.6



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

80

60

40

20

0

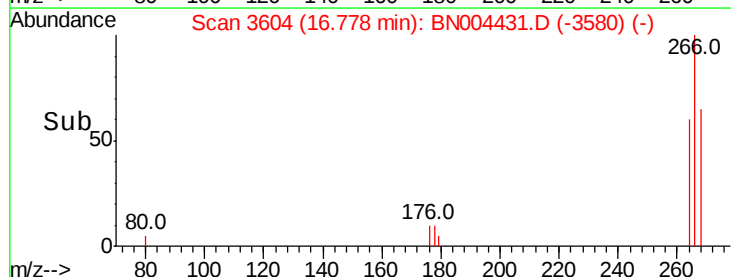
16.78

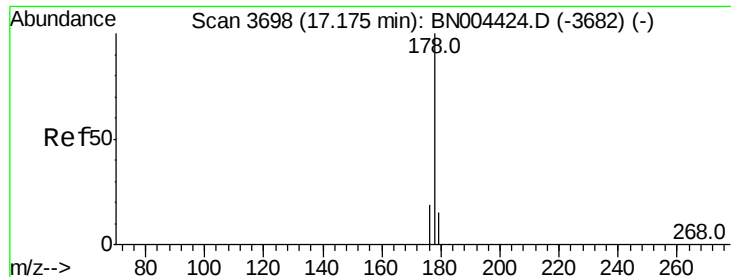
16.75

16.80

16.85

Time-->





#12

Phenanthrene

Concen: 0.072 ng/ul

RT: 17.17 min Scan# 3698

Delta R.T. -0.00 min

Lab File: BN004431.D

Acq: 14 Feb 2019 21:32

Instrument :

BNA_N

ClientSampleId :

MDL-S-06

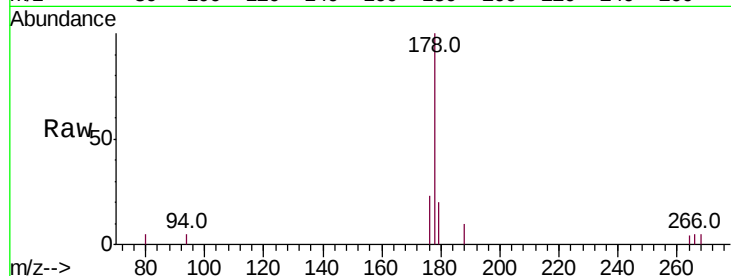
Tot Ion:178 Resp: 1577

Ion Ratio Lower Upper

178 100

179 20.2 12.6 19.0#

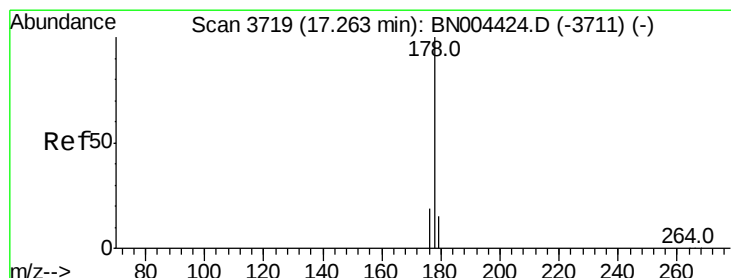
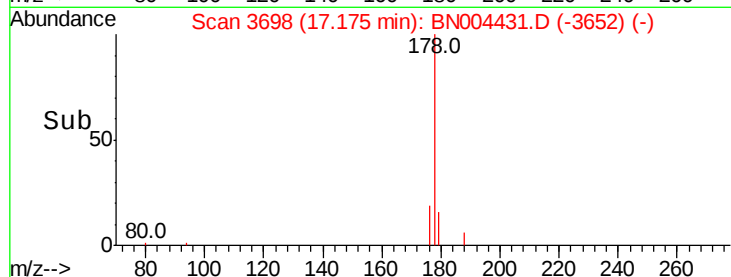
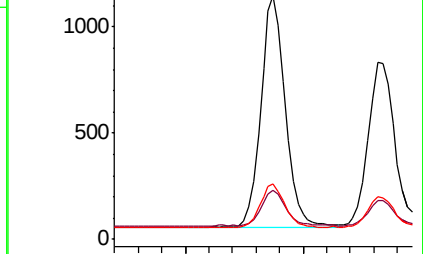
176 22.6 15.8 23.6



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: 0.066 ng/ul

RT: 17.26 min Scan# 3719

Delta R.T. -0.00 min

Lab File: BN004431.D

Acq: 14 Feb 2019 21:32

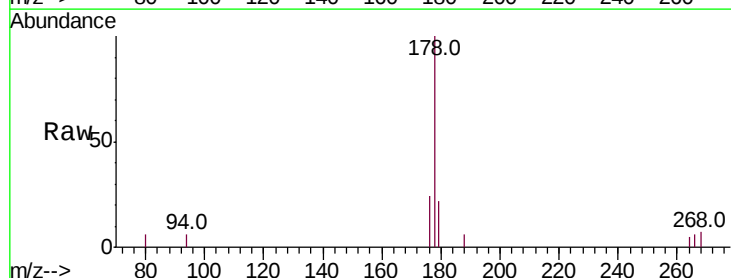
Tgt Ion:178 Resp: 1223

Ion Ratio Lower Upper

178 100

179 21.7 13.0 19.4#

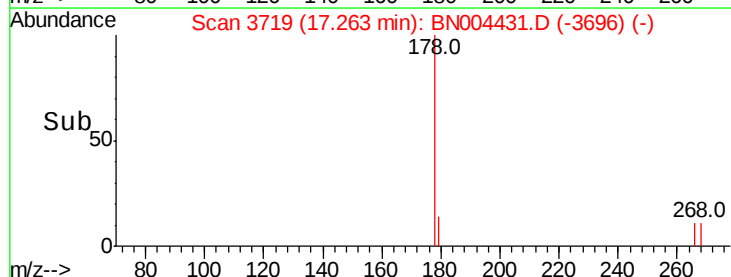
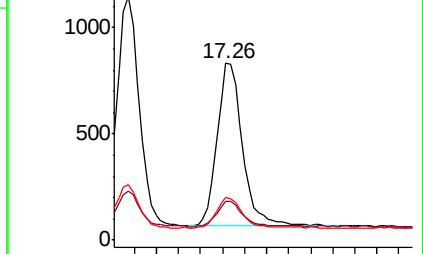
176 24.3 15.5 23.3#

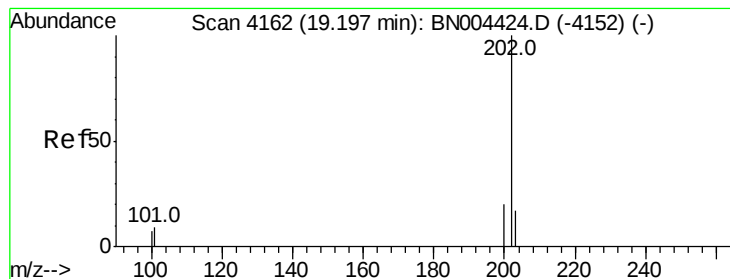


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.072 ng/ul

RT: 19.19 min Scan# 4161

Delta R.T. -0.00 min

Lab File: BN004431.D

Acq: 14 Feb 2019 21:32

Instrument :

BNA_N

ClientSampleId :

MDL-S-06

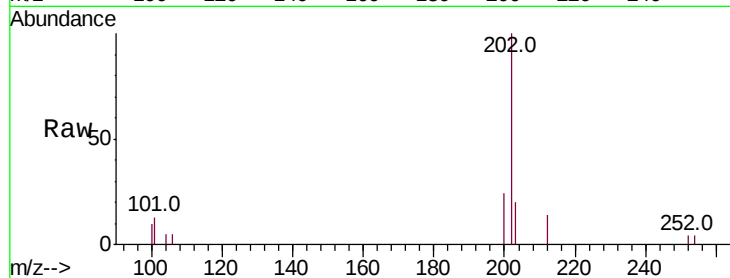
Tot Ion:202 Resp: 1942

Ion Ratio Lower Upper

202 100

101 13.0 0.0 30.4

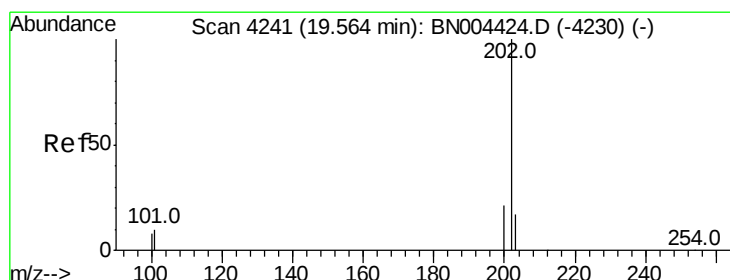
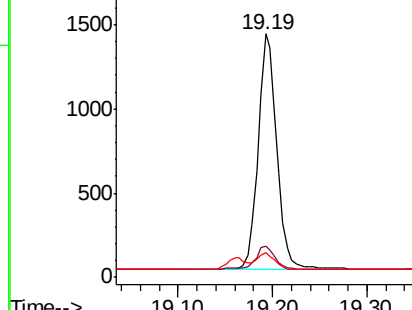
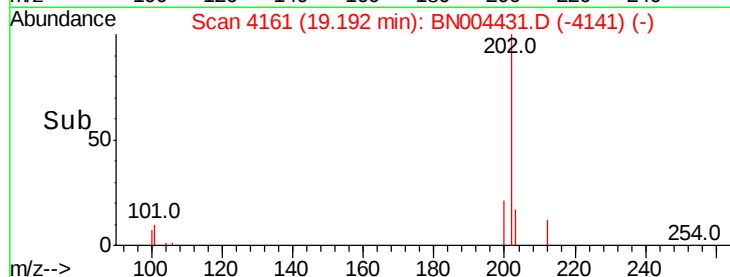
100 10.3 0.0 27.6



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: 0.068 ng/ul

RT: 19.56 min Scan# 4240

Delta R.T. -0.00 min

Lab File: BN004431.D

Acq: 14 Feb 2019 21:32

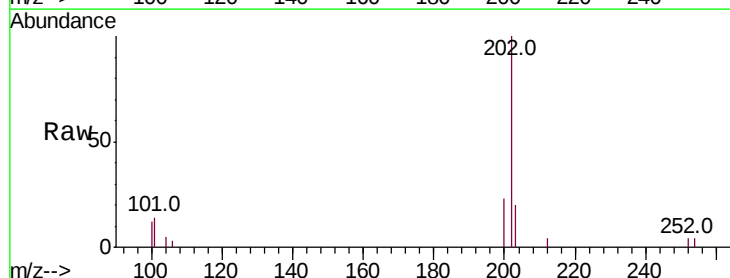
Tgt Ion:202 Resp: 1941

Ion Ratio Lower Upper

202 100

101 14.1 9.0 13.6#

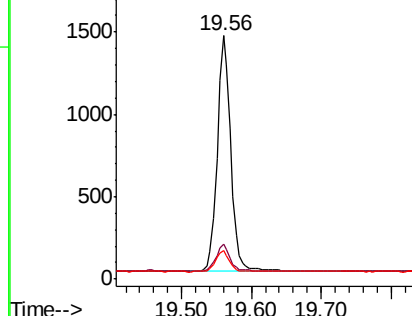
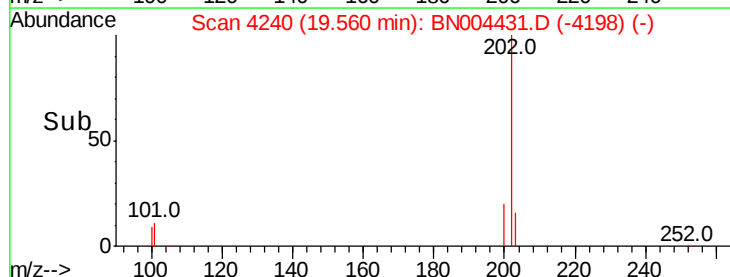
100 11.6 7.4 11.0#

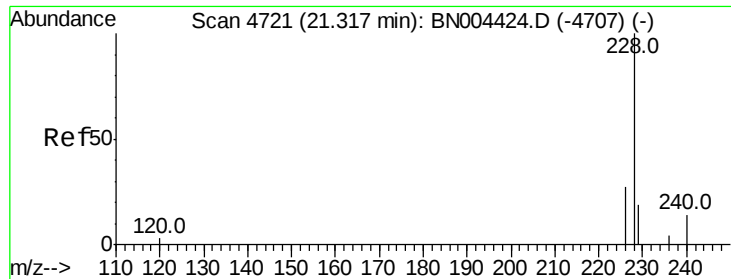


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.069 ng/ul

RT: 21.31 min Scan# 4720

Delta R.T. -0.00 min

Lab File: BN004431.D

Acq: 14 Feb 2019 21:32

Instrument :

BNA_N

ClientSampleId :

MDL-S-06

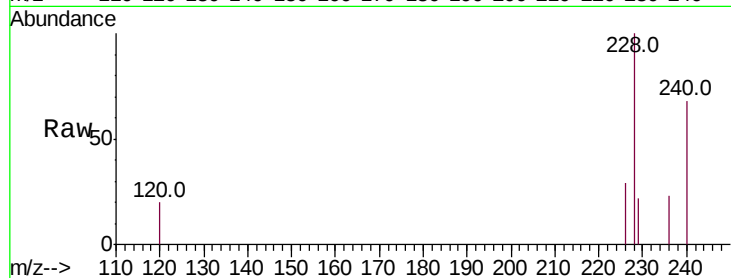
Tot Ion:228 Resp: 1947

Ion Ratio Lower Upper

228 100

229 21.8 15.7 23.5

226 29.1 22.1 33.1

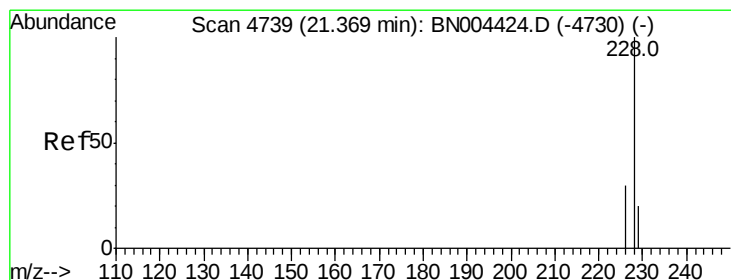
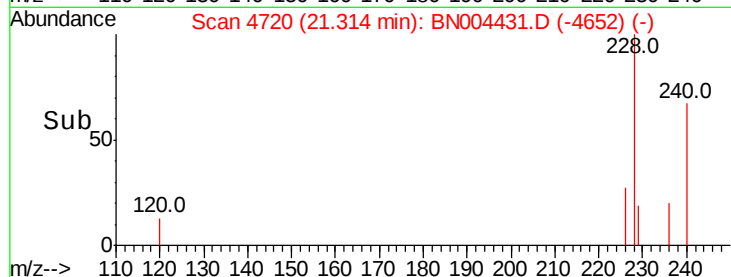
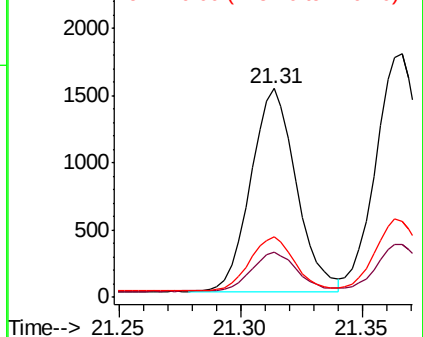


Abundance

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: 0.074 ng/ul

RT: 21.37 min Scan# 4738

Delta R.T. -0.00 min

Lab File: BN004431.D

Acq: 14 Feb 2019 21:32

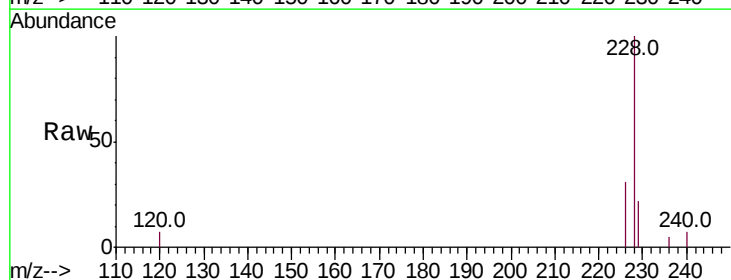
Tgt Ion:228 Resp: 2442

Ion Ratio Lower Upper

228 100

226 31.0 23.8 35.8

229 21.5 15.8 23.6

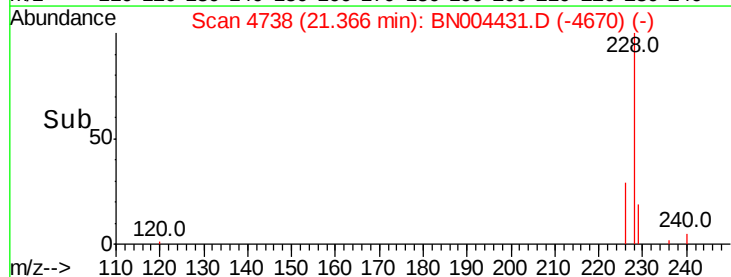
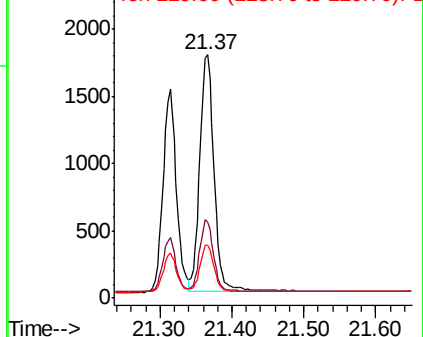


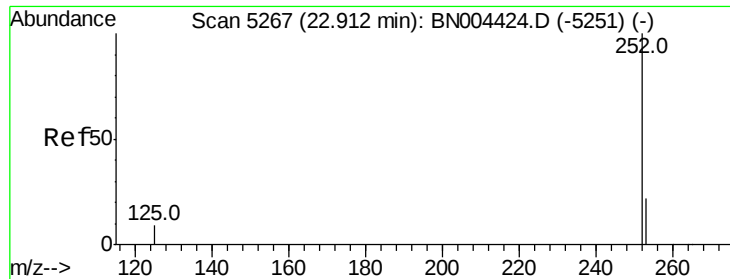
Abundance

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: 0.074 ng/ul

RT: 22.91 min Scan# 5267

Delta R.T. -0.00 min

Lab File: BN004431.D

Acq: 14 Feb 2019 21:32

Instrument :

BNA_N

ClientSampleId :

MDL-S-06

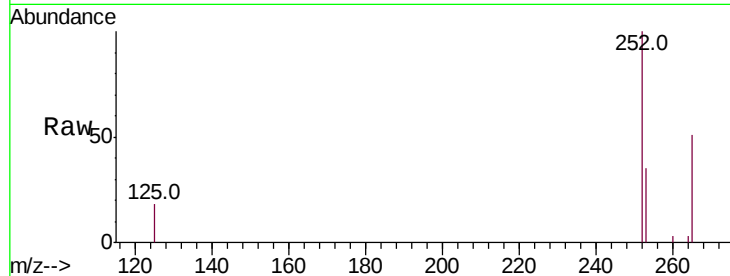
Tot Ion:252 Resp: 2742

Ion Ratio Lower Upper

252 100

253 34.9 0.0 48.0

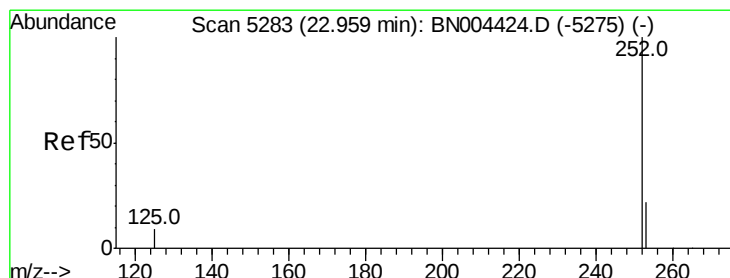
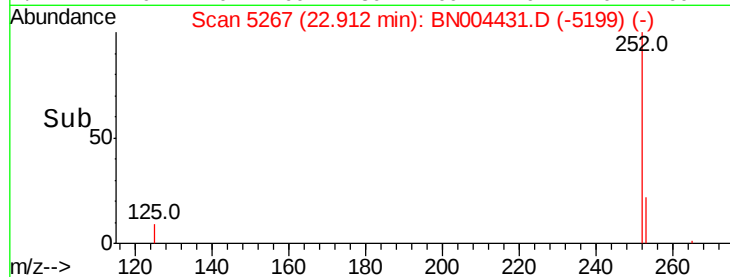
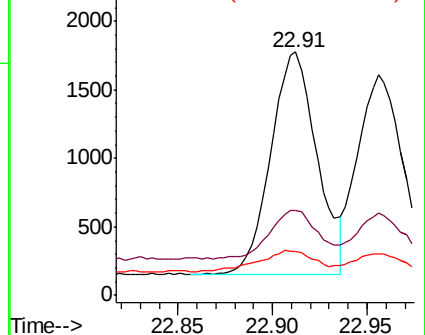
125 18.3 0.0 22.8



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



#22

Benzo(k)fluoranthene

Concen: 0.069 ng/ul

RT: 22.96 min Scan# 5282

Delta R.T. -0.00 min

Lab File: BN004431.D

Acq: 14 Feb 2019 21:32

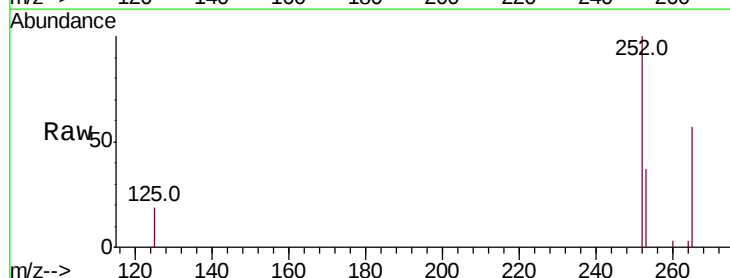
Tgt Ion:252 Resp: 2501

Ion Ratio Lower Upper

252 100

253 37.3 19.5 29.3#

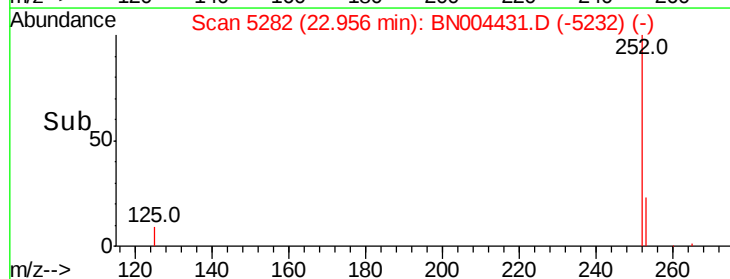
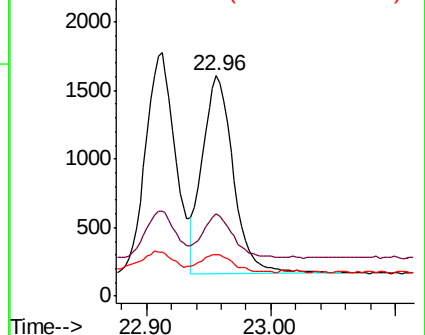
125 18.6 9.1 13.7#

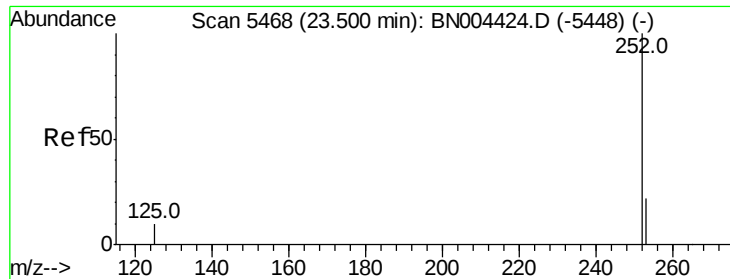


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.069 ng/ul

RT: 23.49 min Scan# 5466

Delta R.T. -0.00 min

Lab File: BN004431.D

Acq: 14 Feb 2019 21:32

Instrument :

BNA_N

ClientSampleId :

MDL-S-06

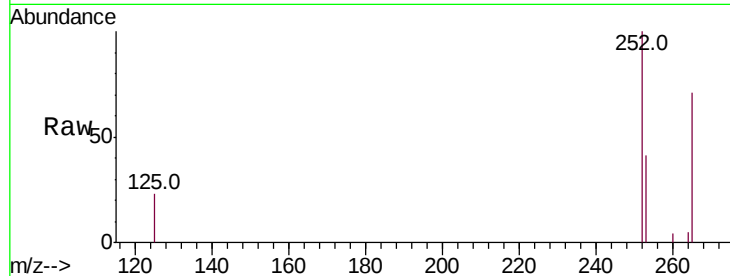
Tot Ion:252 Resp: 2293

Ion Ratio Lower Upper

252 100

253 41.4 20.4 30.6#

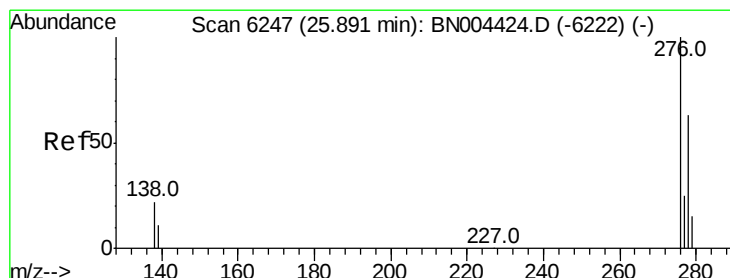
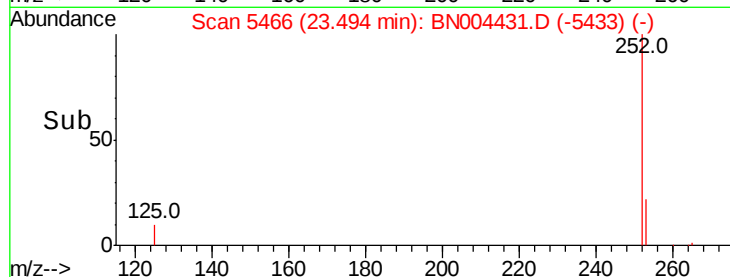
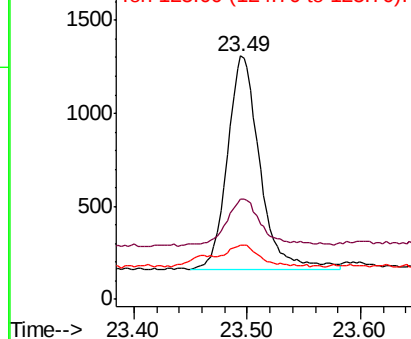
125 22.5 10.6 15.8#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.072 ng/ul

RT: 25.89 min Scan# 6246

Delta R.T. -0.00 min

Lab File: BN004431.D

Acq: 14 Feb 2019 21:32

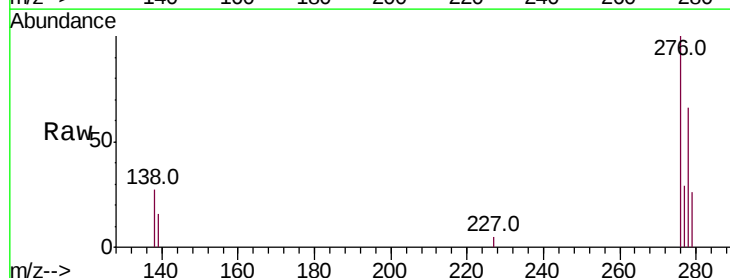
Tgt Ion:276 Resp: 3138

Ion Ratio Lower Upper

276 100

138 23.2 19.1 28.7

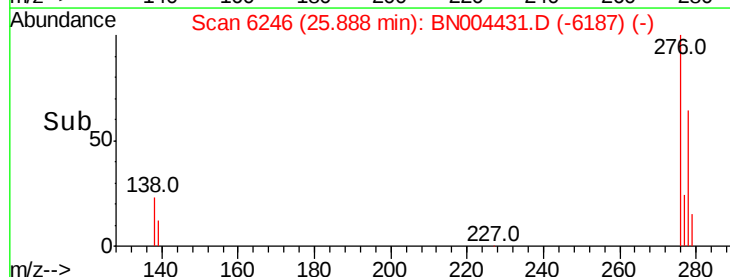
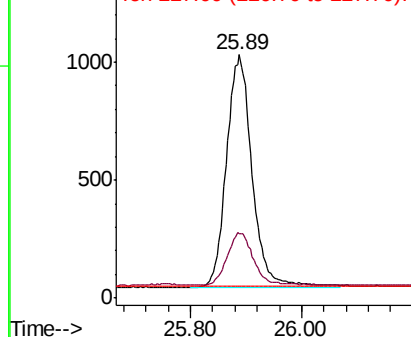
227 0.2 0.2 0.4#

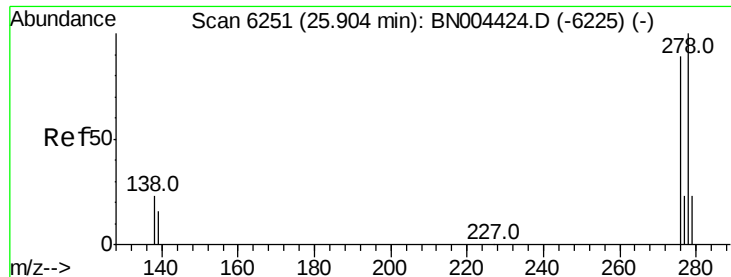


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

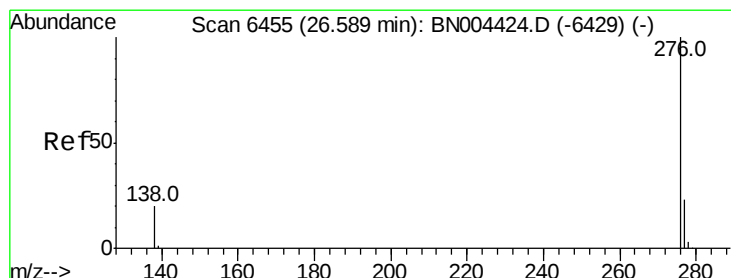
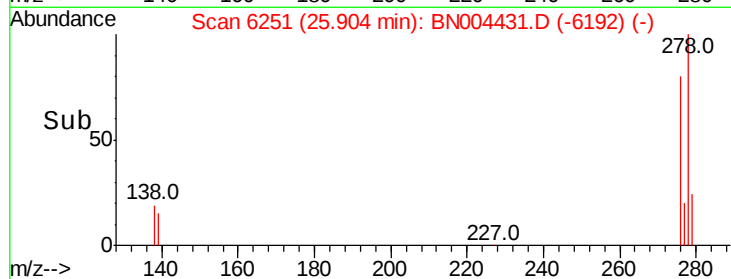
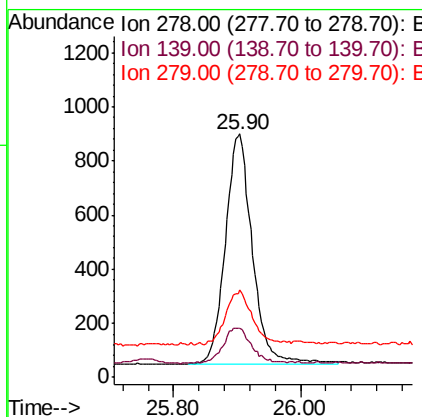
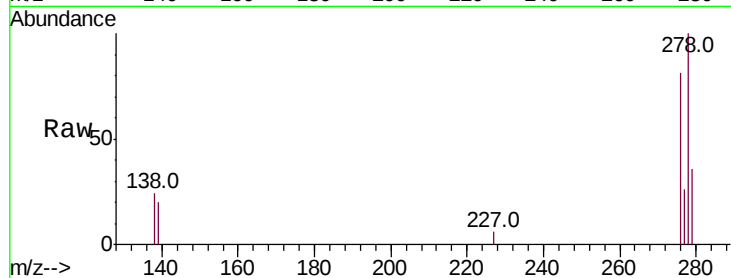




#25
Dibenzo(a,h)anthracene
Concen: 0.071 ng/ul
RT: 25.90 min Scan# 6251
Delta R.T. -0.00 min
Lab File: BN004431.D
Acq: 14 Feb 2019 21:32

Instrument :
BNA_N
ClientSampleId :
MDL-S-06

Tot Ion:278 Resp: 2510
Ion Ratio Lower Upper
278 100
139 19.9 13.8 20.6
279 36.1 20.4 30.6#



#26
Benzo(g,h,i)perylene
Concen: 0.075 ng/ul
RT: 26.59 min Scan# 6455
Delta R.T. -0.01 min
Lab File: BN004431.D
Acq: 14 Feb 2019 21:32

Tgt Ion:276 Resp: 2940
Ion Ratio Lower Upper
276 100
138 25.0 16.8 25.2
277 28.2 19.4 29.0

