

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021419\
 Data File : BN004429.D
 Acq On : 14 Feb 2019 20:22
 Operator : JU/SJ
 Sample : MDL-S-04
 Misc : 0.07 PPM
 ALS Vial : 16 Sample Multiplier: 1

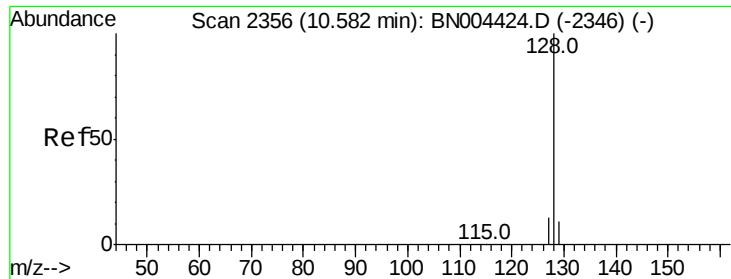
Instrument :
 BNA_N
 ClientSampleId :
 MDL-S-04

Quant Time: Feb 15 01:23:56 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	805	0.40	ng/ul	0.00
2) Naphthalene-d8	10.53	136	3227	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	1996	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	5675	0.40	ng/ul	0.00
16) Chrysene-d12	21.33	240	7382	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	7739	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	1782	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	6111	0.34	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.58	128	597	0.064	ng/ul#	76
5) 2-Methylnaphthalene	12.20	142	436	0.066	ng/ul	100
7) Acenaphthylene	14.11	152	513	0.056	ng/ul#	80
8) Acenaphthene	14.45	153	505	0.064	ng/ul	96
9) Fluorene	15.43	166	610	0.064	ng/ul#	93
11) Pentachlorophenol	16.79	266	29	0.024	ng/ul	95
12) Phenanthrene	17.17	178	1181	0.064	ng/ul#	88
13) Anthracene	17.27	178	916	0.059	ng/ul#	85
15) Fluoranthene	19.19	202	1474	0.065	ng/ul	89
17) Pyrene	19.56	202	1449	0.061	ng/ul#	89
18) Benzo(a)anthracene	21.31	228	1474	0.062	ng/ul	94
19) Chrysene	21.37	228	1859	0.067	ng/ul	95
21) Benzo(b)fluoranthene	22.91	252	2035	0.066	ng/ul	71
22) Benzo(k)fluoranthene	22.96	252	1952	0.064	ng/ul#	67
23) Benzo(a)pyrene	23.50	252	1687	0.061	ng/ul#	60
24) Indeno(1,2,3-cd)pyrene	25.89	276	2388	0.066	ng/ul	99
25) Dibenzo(a,h)anthracene	25.90	278	1867	0.063	ng/ul#	76
26) Benzo(g,h,i)perylene	26.60	276	2222	0.067	ng/ul#	86

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

```
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Misc      : 0.07 PPM  
ALS Vial  : 16   Sample Multiplier: 1
```



#3

Naphthalene

Concen: 0.064 ng/ul

RT: 10.58 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

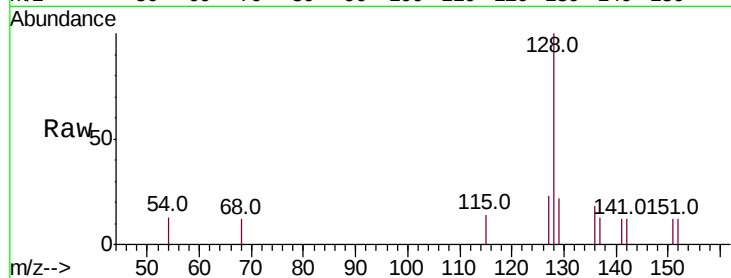
Tot Ion:128 Resp: 597

Ion Ratio Lower Upper

128 100

129 22.2 9.8 14.6#

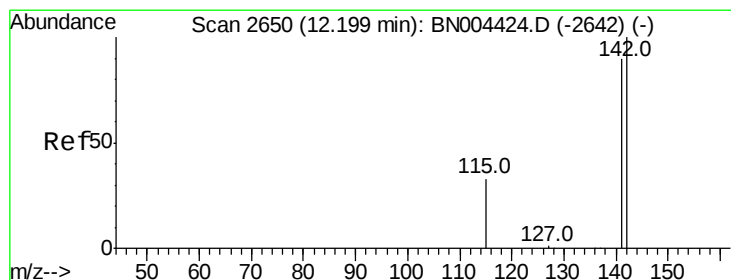
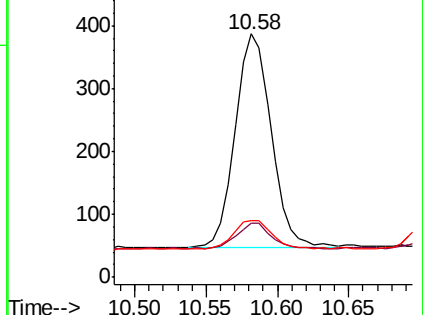
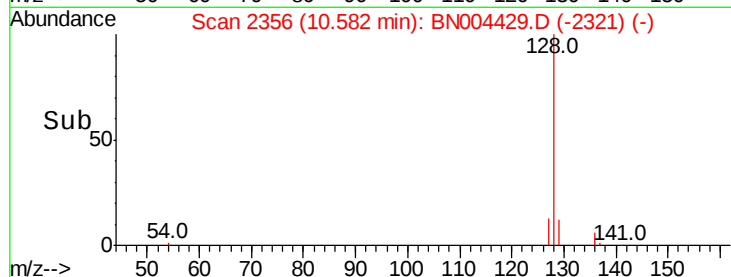
127 23.3 11.4 17.0#



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



#5

2-Methylnaphthalene

Concen: 0.066 ng/ul

RT: 12.20 min Scan# 2650

Delta R.T. -0.01 min

Lab File: BN004429.D

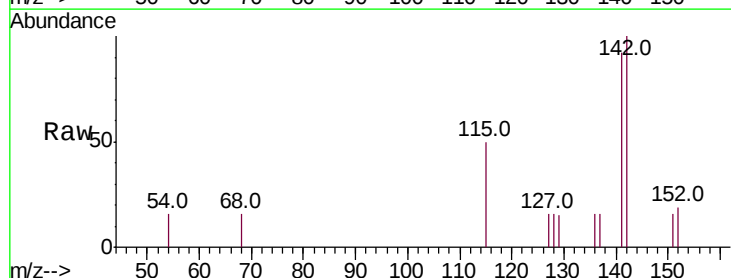
Acq: 14 Feb 2019 20:22

Tgt Ion:142 Resp: 436

Ion Ratio Lower Upper

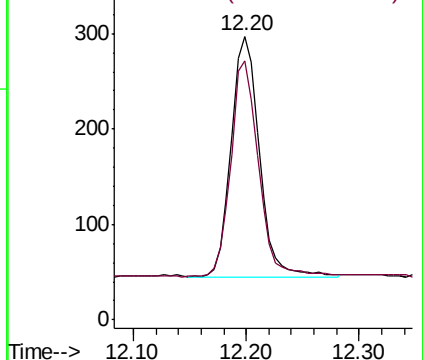
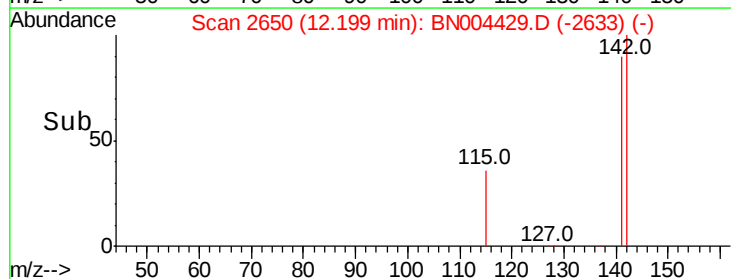
142 100

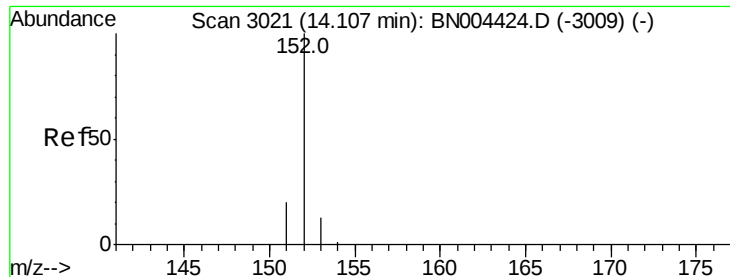
141 89.7 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.056 ng/ul

RT: 14.11 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

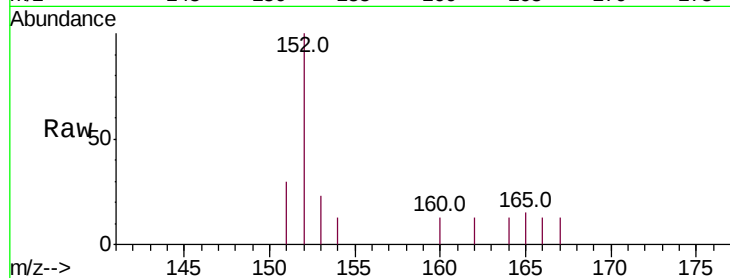
Tot Ion:152 Resp: 513

Ion Ratio Lower Upper

152 100

151 29.6 16.6 24.8#

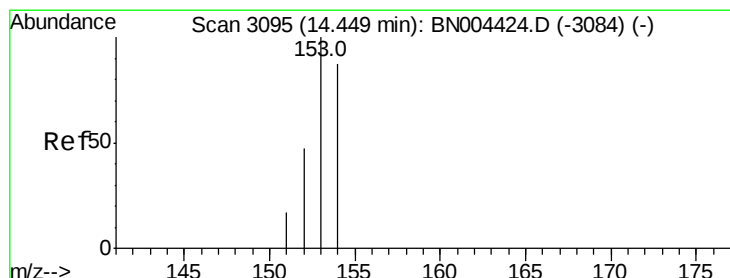
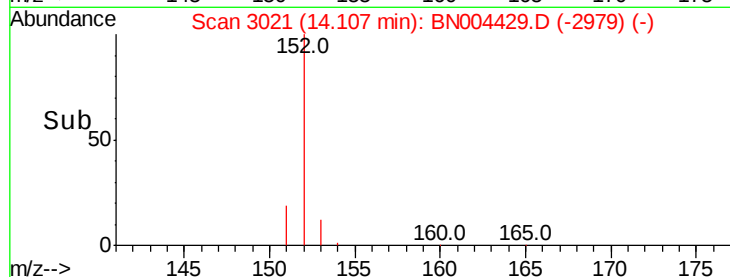
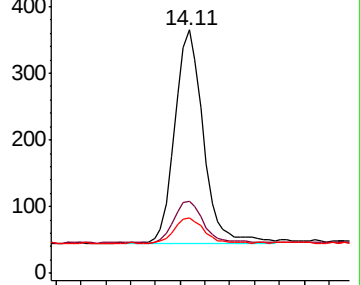
153 23.0 11.1 16.7#



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



#8

Acenaphthene

Concen: 0.064 ng/ul

RT: 14.45 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

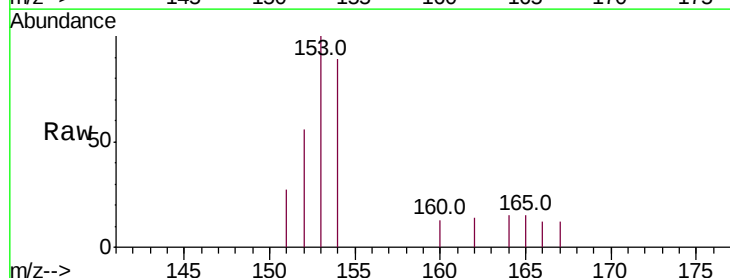
Tgt Ion:153 Resp: 505

Ion Ratio Lower Upper

153 100

152 55.7 38.4 57.6

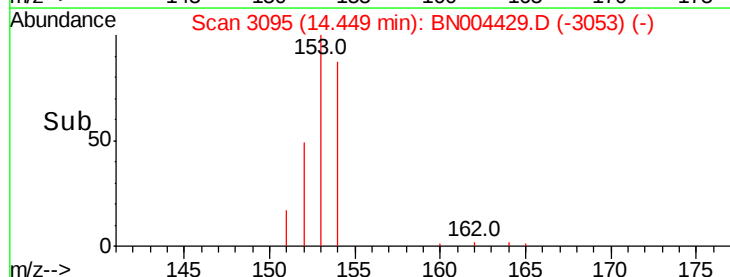
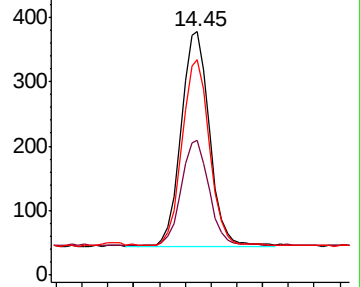
154 88.6 71.4 107.0

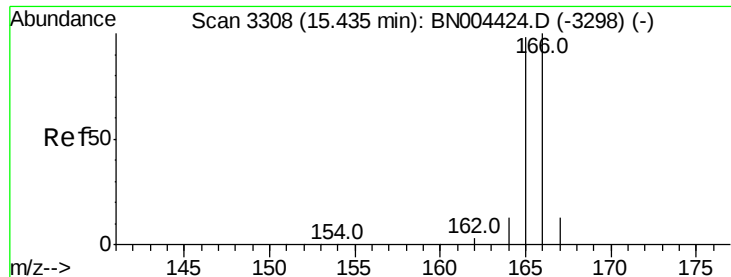


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.064 ng/ul

RT: 15.43 min Scan# 3308

Delta R.T. -0.00 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

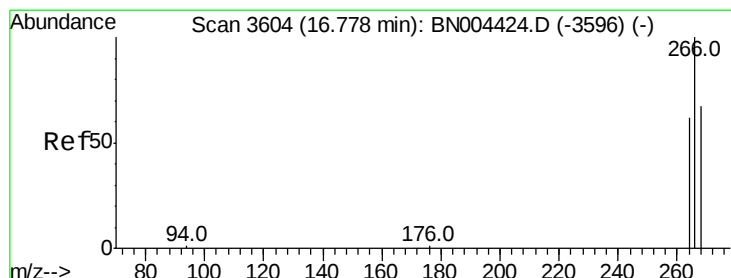
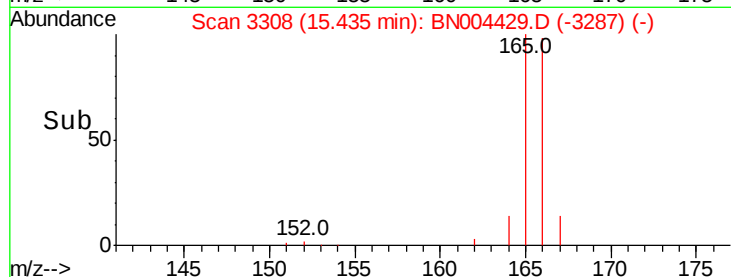
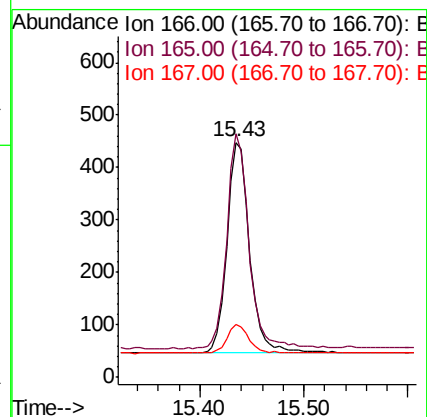
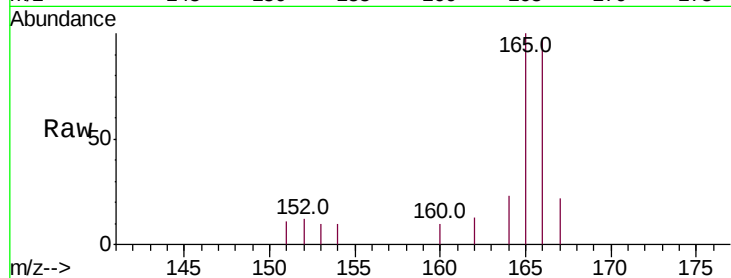
Tot Ion:166 Resp: 610

Ion Ratio Lower Upper

166 100

165 103.6 78.9 118.3

167 22.8 11.6 17.4#



#11

Pentachlorophenol

Concen: 0.024 ng/ul

RT: 16.79 min Scan# 3606

Delta R.T. 0.01 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

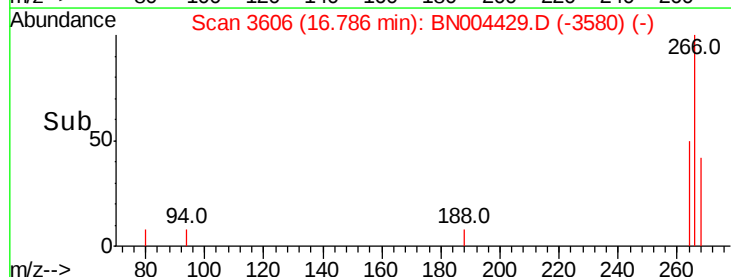
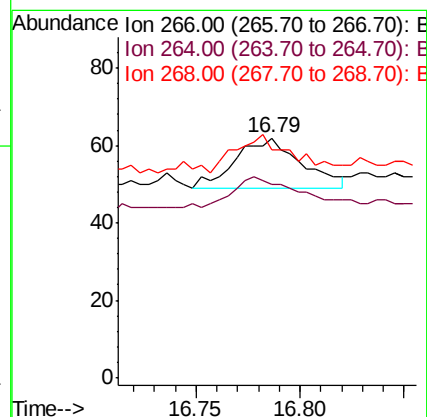
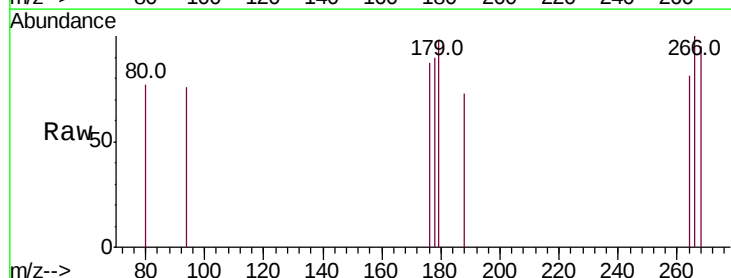
Tgt Ion:266 Resp: 29

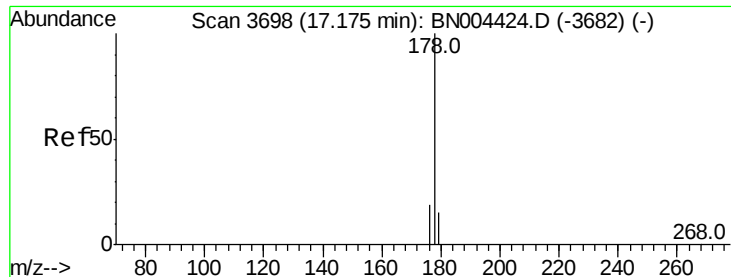
Ion Ratio Lower Upper

266 100

264 62.1 52.3 78.5

268 65.5 49.0 73.6





#12

Phenanthrene

Concen: 0.064 ng/ul

RT: 17.17 min Scan# 3698

Delta R.T. -0.00 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

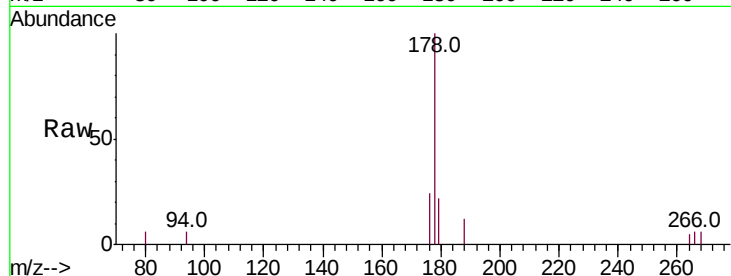
Tot Ion:178 Resp: 1181

Ion Ratio Lower Upper

178 100

179 21.8 12.6 19.0#

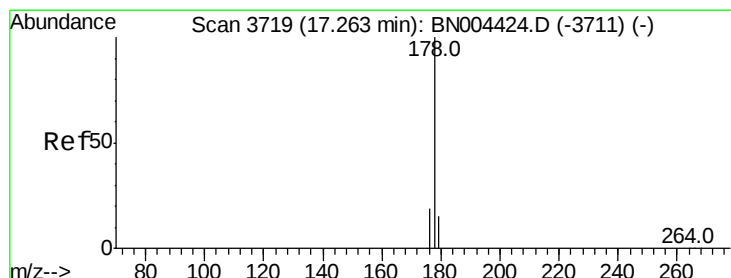
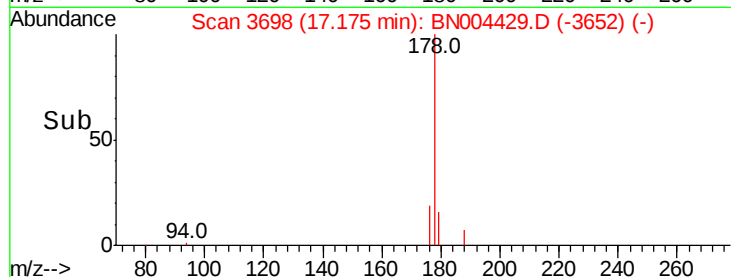
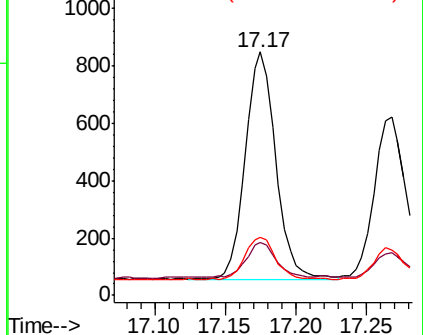
176 24.0 15.8 23.6#



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: 0.059 ng/ul

RT: 17.27 min Scan# 3720

Delta R.T. -0.00 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

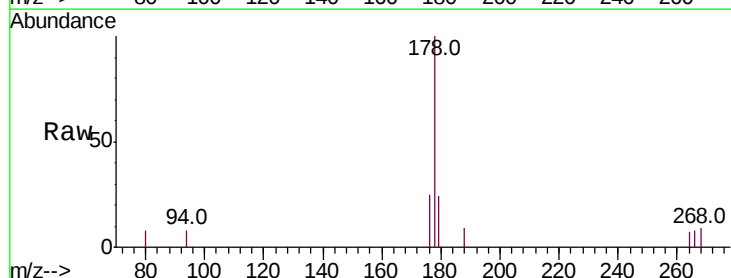
Tgt Ion:178 Resp: 916

Ion Ratio Lower Upper

178 100

179 23.8 13.0 19.4#

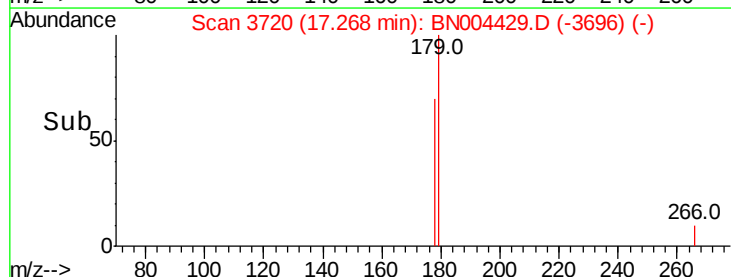
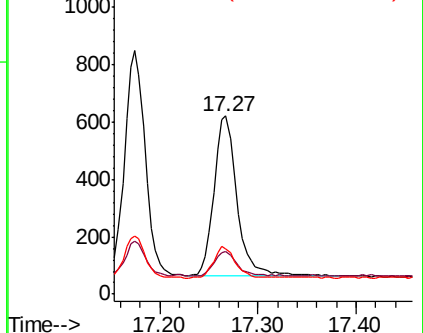
176 25.4 15.5 23.3#

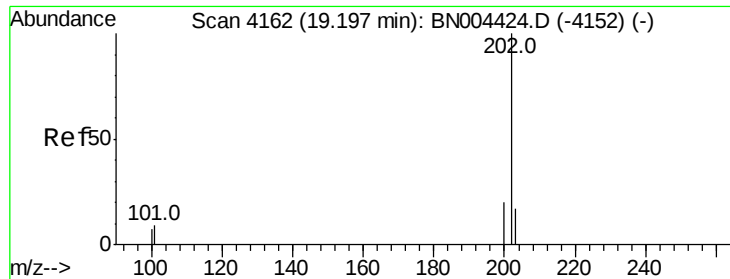


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.065 ng/ul

RT: 19.19 min Scan# 4161

Delta R.T. -0.00 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

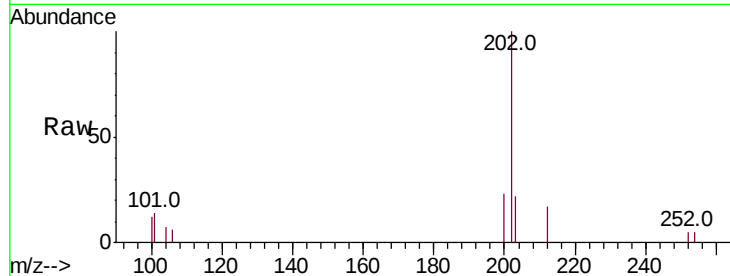
Tot Ion:202 Resp: 1474

Ion Ratio Lower Upper

202 100

101 14.2 0.0 30.4

100 11.8 0.0 27.6

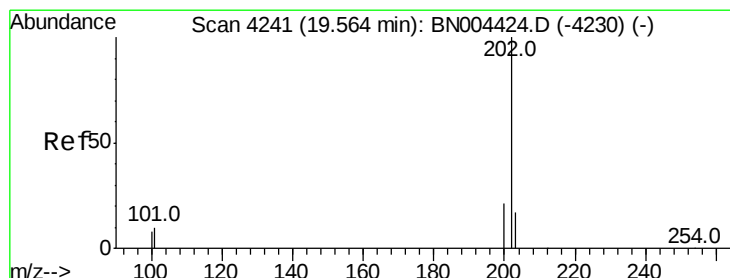
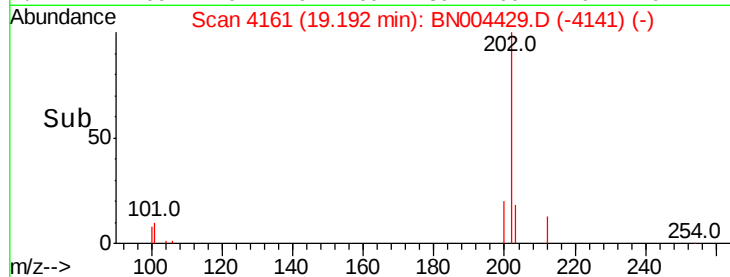
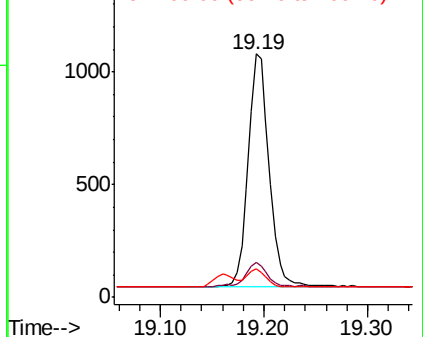


Abundance

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: 0.061 ng/ul

RT: 19.56 min Scan# 4240

Delta R.T. -0.00 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

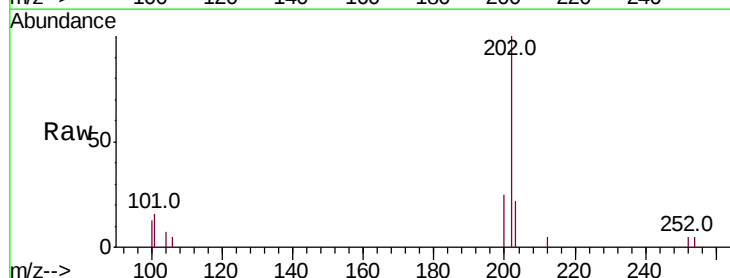
Tgt Ion:202 Resp: 1449

Ion Ratio Lower Upper

202 100

101 15.6 9.0 13.6#

100 13.0 7.4 11.0#

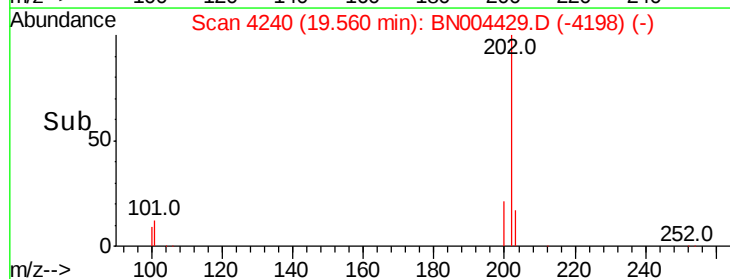
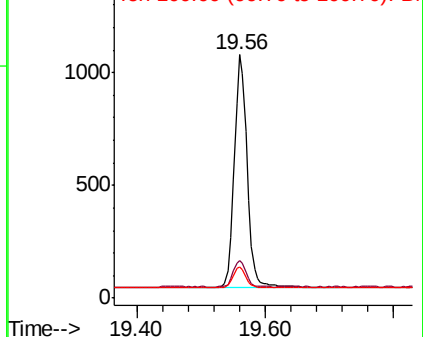


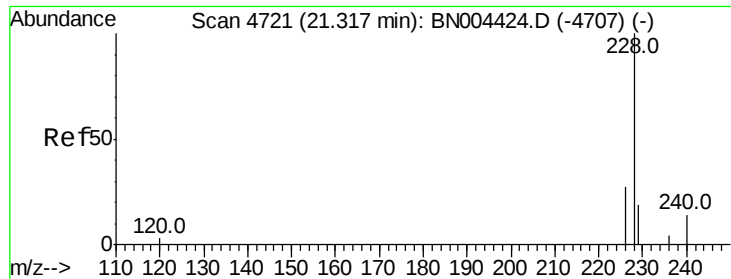
Abundance

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: 0.062 ng/ul

RT: 21.31 min Scan# 4720

Delta R.T. -0.00 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

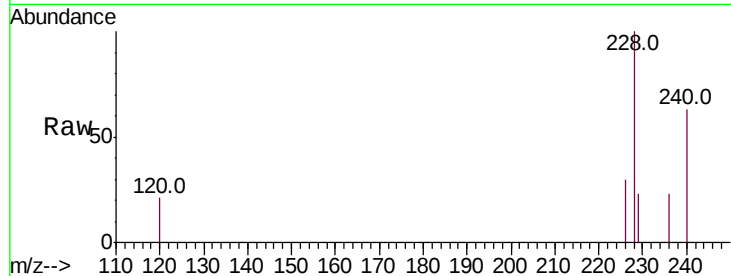
Tot Ion:228 Resp: 1474

Ion Ratio Lower Upper

228 100

229 23.4 15.7 23.5

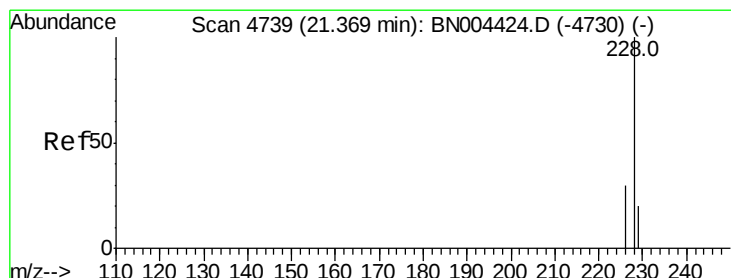
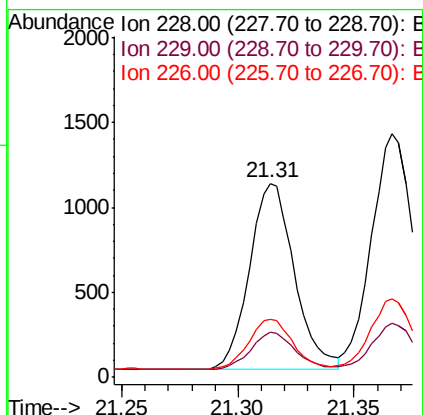
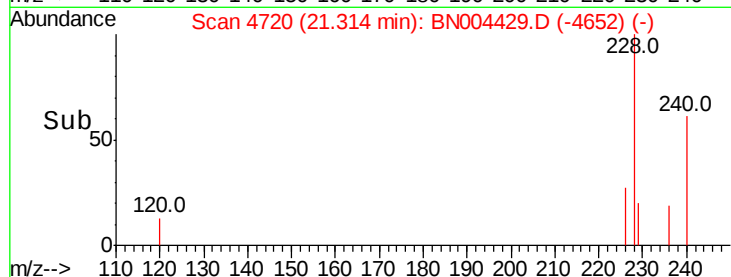
226 29.6 22.1 33.1



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: 0.067 ng/ul

RT: 21.37 min Scan# 4738

Delta R.T. -0.00 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

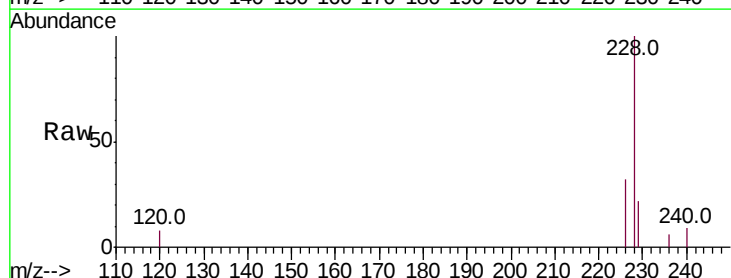
Tgt Ion:228 Resp: 1859

Ion Ratio Lower Upper

228 100

226 32.4 23.8 35.8

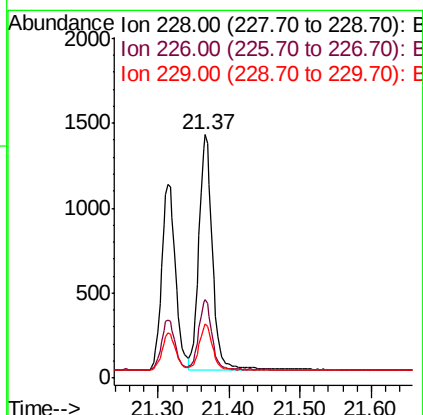
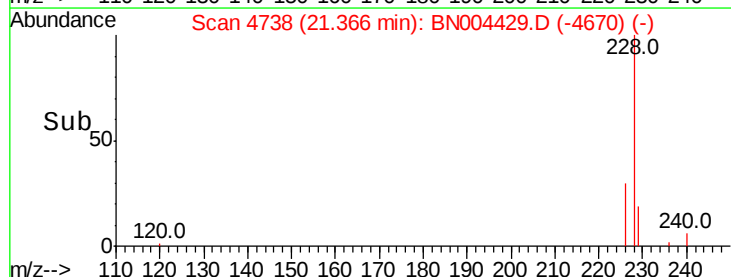
229 22.1 15.8 23.6

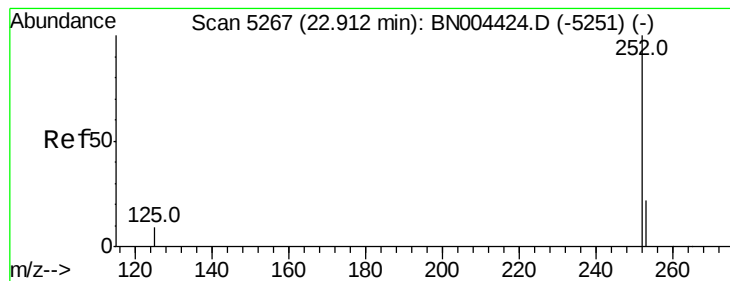


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.066 ng/ul

RT: 22.91 min Scan# 5267

Delta R.T. -0.00 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

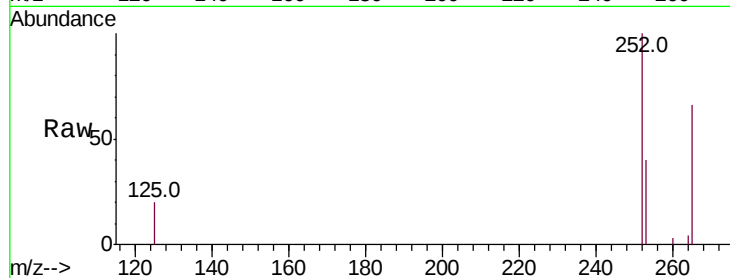
Tot Ion:252 Resp: 2035

Ion Ratio Lower Upper

252 100

253 39.8 0.0 48.0

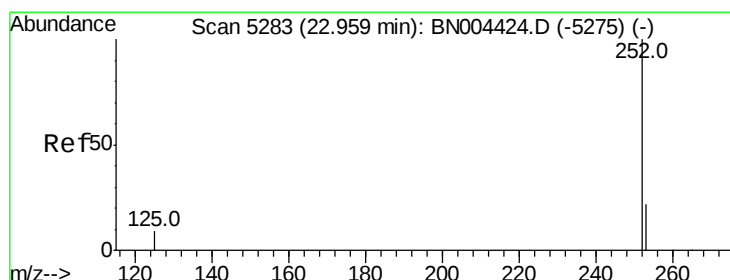
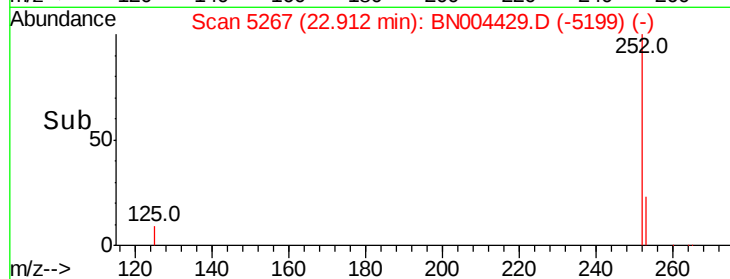
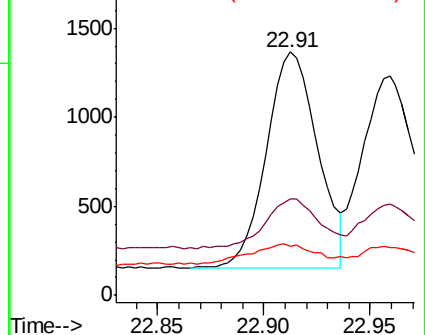
125 20.4 0.0 22.8



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: 0.064 ng/ul

RT: 22.96 min Scan# 5283

Delta R.T. -0.00 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

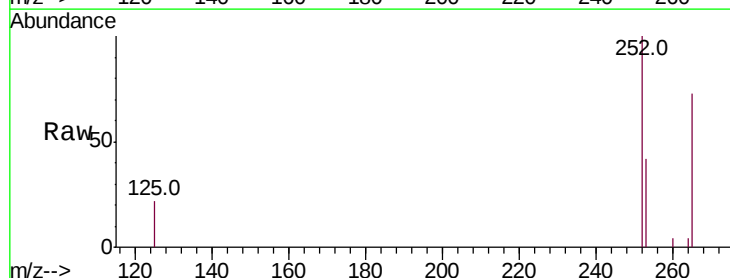
Tgt Ion:252 Resp: 1952

Ion Ratio Lower Upper

252 100

253 41.8 19.5 29.3#

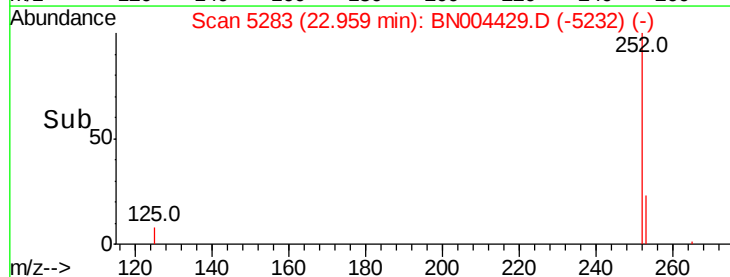
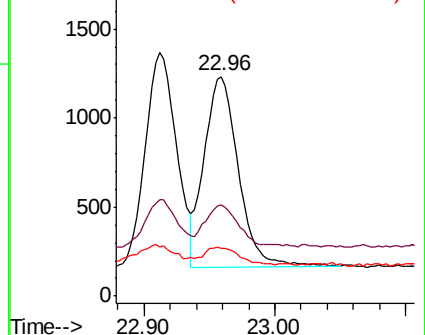
125 21.9 9.1 13.7#

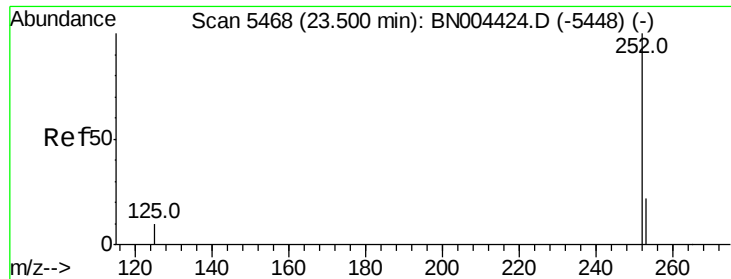


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.061 ng/ul

RT: 23.50 min Scan# 5468

Delta R.T. 0.00 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

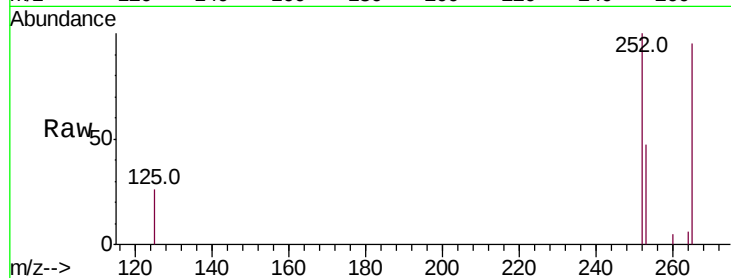
Tot Ion:252 Resp: 1687

Ion Ratio Lower Upper

252 100

253 47.3 20.4 30.6#

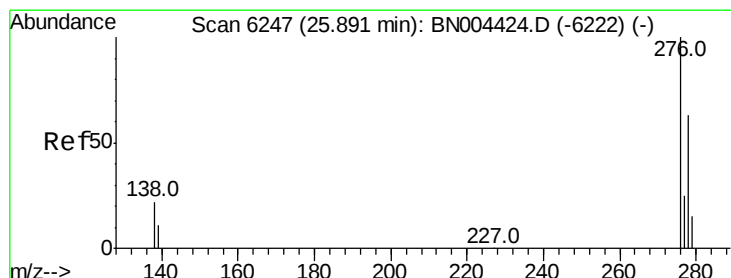
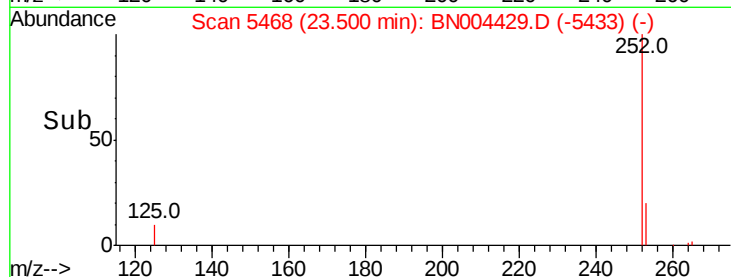
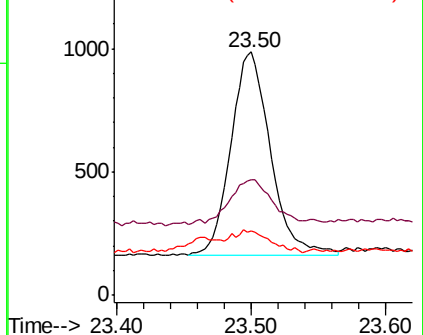
125 26.3 10.6 15.8#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.066 ng/ul

RT: 25.89 min Scan# 6246

Delta R.T. -0.00 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

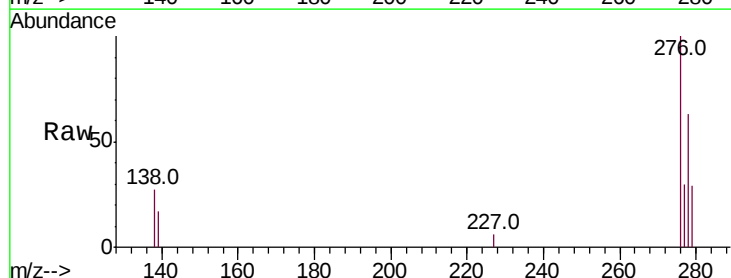
Tgt Ion:276 Resp: 2388

Ion Ratio Lower Upper

276 100

138 23.5 19.1 28.7

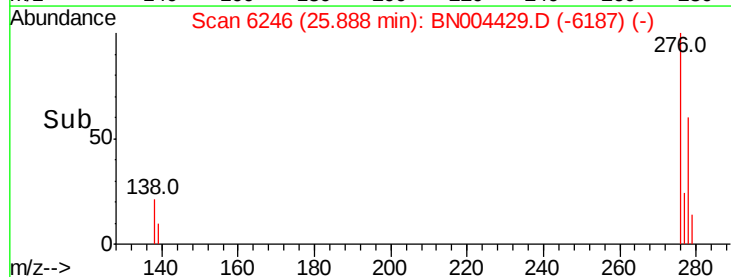
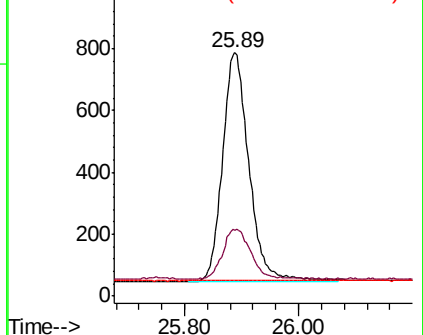
227 0.3 0.2 0.4

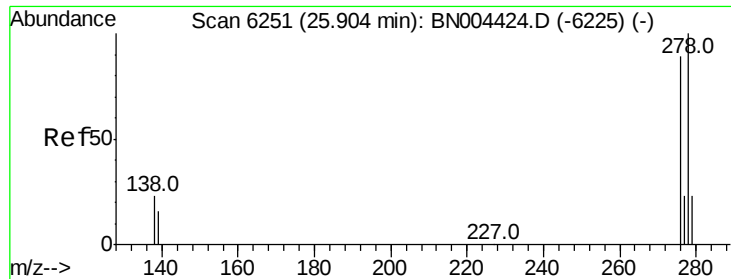


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.063 ng/u1

RT: 25.90 min Scan# 6251

Delta R.T. -0.00 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

Instrument :

BNA_N

ClientSampleId :

MDL-S-04

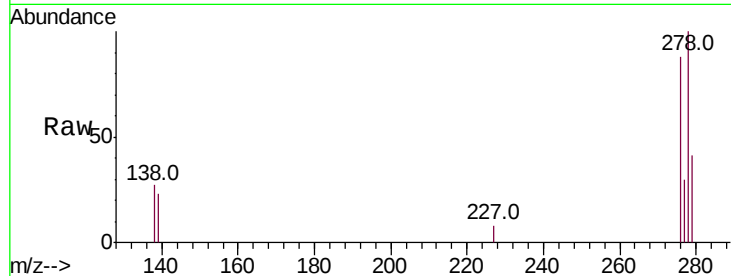
Tot Ion:278 Resp: 1867

Ion Ratio Lower Upper

278 100

139 22.6 13.8 20.6#

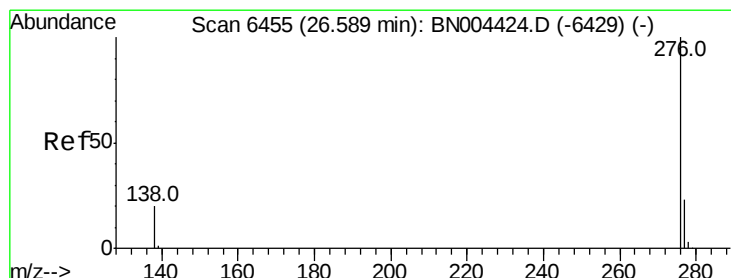
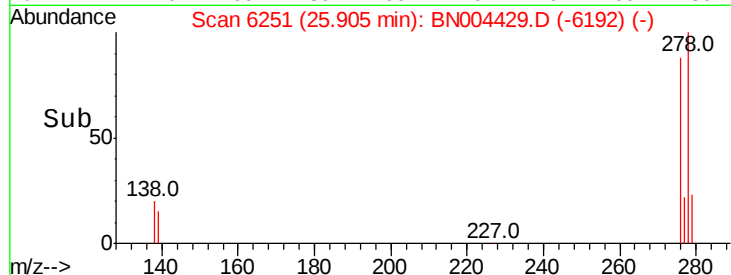
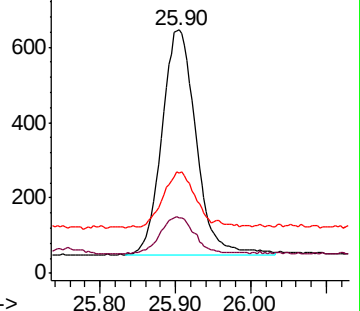
279 41.3 20.4 30.6#



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



#26

Benzo(g,h,i)perylene

Concen: 0.067 ng/u1

RT: 26.60 min Scan# 6457

Delta R.T. 0.00 min

Lab File: BN004429.D

Acq: 14 Feb 2019 20:22

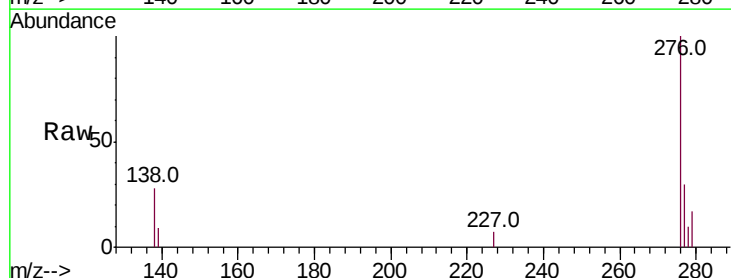
Tgt Ion:276 Resp: 2222

Ion Ratio Lower Upper

276 100

138 28.0 16.8 25.2#

277 30.3 19.4 29.0#



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

