

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021419\
 Data File : BN004432.D
 Acq On : 14 Feb 2019 22:07
 Operator : JU/SJ
 Sample : MDL-S-07
 Misc : 0.07 PPM
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-S-07

Quant Time: Feb 15 01:24:22 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

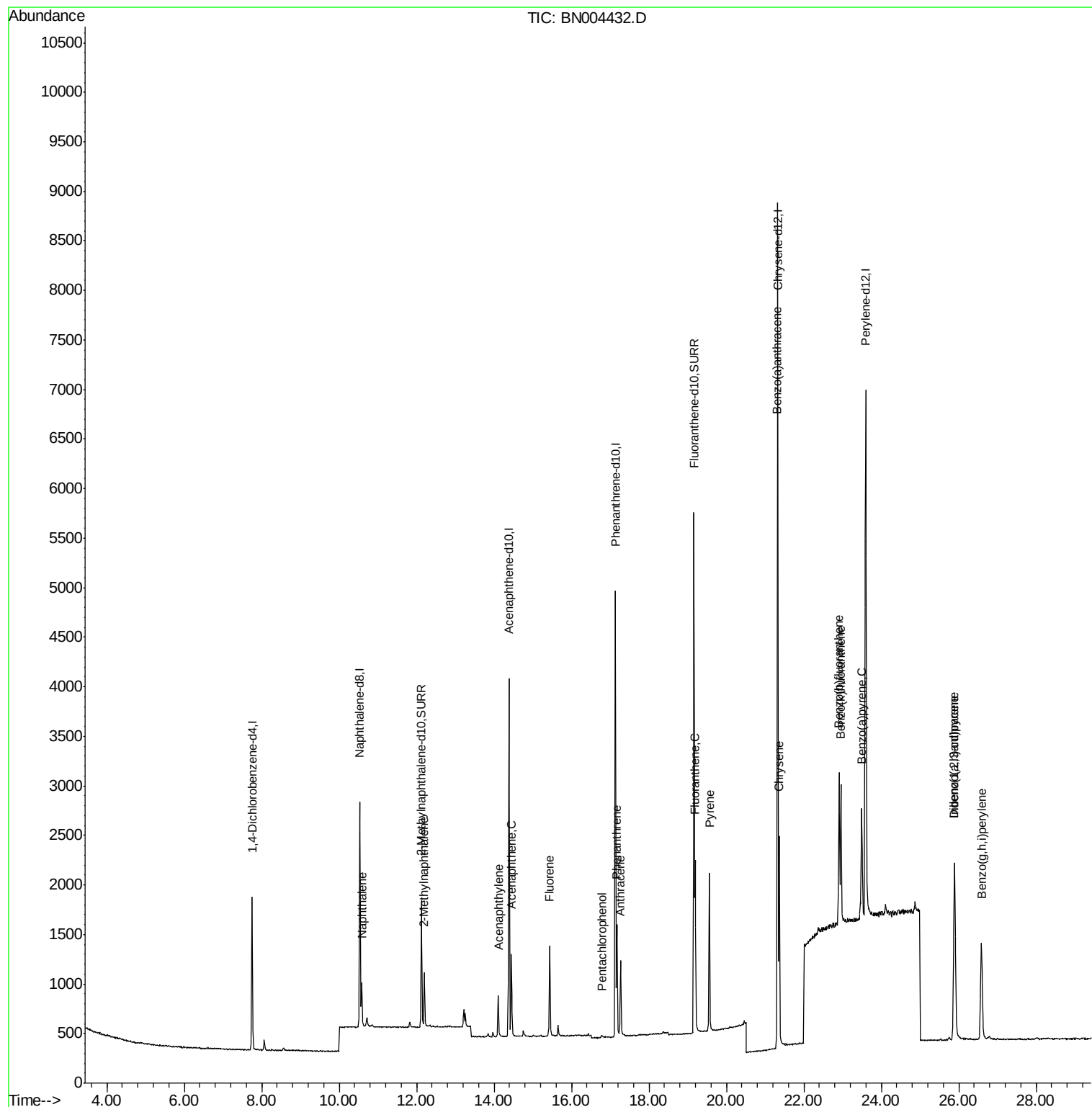
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	802	0.40	ng/ul	0.00
2) Naphthalene-d8	10.53	136	3216	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	2006	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	5788	0.40	ng/ul	0.00
16) Chrysene-d12	21.33	240	7493	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	7873	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	1752	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	6132	0.34	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.58	128	582	0.063	ng/ul#	75
5) 2-Methylnaphthalene	12.20	142	416	0.063	ng/ul	100
7) Acenaphthylene	14.11	152	517	0.056	ng/ul#	80
8) Acenaphthene	14.44	153	490	0.062	ng/ul	95
9) Fluorene	15.43	166	608	0.064	ng/ul#	95
11) Pentachlorophenol	16.78	266	29	0.024	ng/ul#	75
12) Phenanthrene	17.17	178	1144	0.061	ng/ul#	87
13) Anthracene	17.27	178	909	0.057	ng/ul#	83
15) Fluoranthene	19.19	202	1425	0.062	ng/ul	90
17) Pyrene	19.56	202	1425	0.059	ng/ul#	90
18) Benzo(a)anthracene	21.31	228	1429	0.059	ng/ul	95
19) Chrysene	21.37	228	1814	0.065	ng/ul	96
21) Benzo(b)fluoranthene	22.91	252	2035	0.065	ng/ul	69
22) Benzo(k)fluoranthene	22.96	252	1910	0.062	ng/ul#	67
23) Benzo(a)pyrene	23.49	252	1673	0.059	ng/ul#	60
24) Indeno(1,2,3-cd)pyrene	25.88	276	2336	0.063	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.90	278	1857	0.062	ng/ul#	78
26) Benzo(g,h,i)perylene	26.59	276	2182	0.065	ng/ul#	90

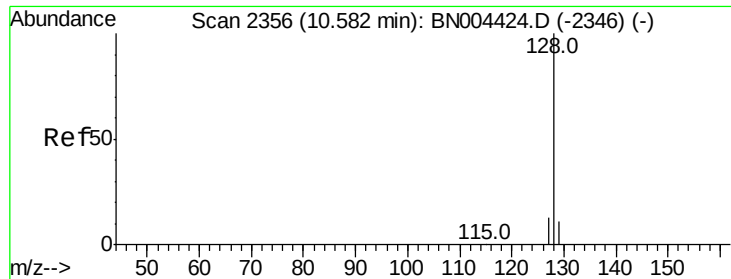
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.063 ng/ul

RT: 10.58 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN004432.D

Acq: 14 Feb 2019 22:07

Instrument :

BNA_N

ClientSampleId :

MDL-S-07

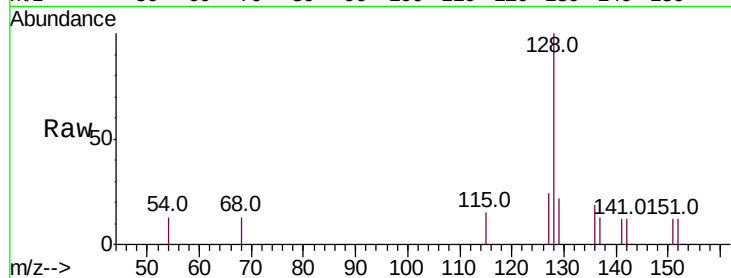
Tot Ion:128 Resp: 582

Ion Ratio Lower Upper

128 100

129 22.2 9.8 14.6#

127 24.3 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

10.58

400

300

200

100

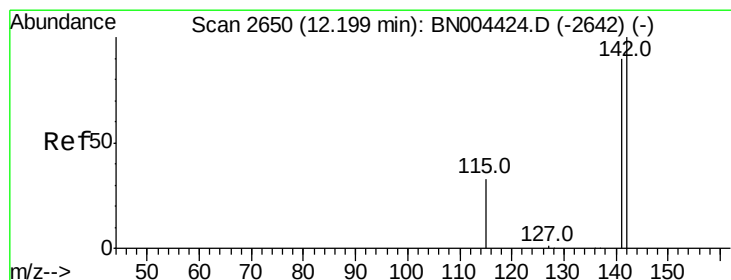
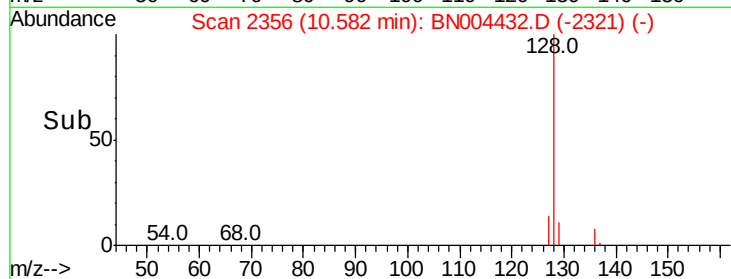
0

10.50

10.60

10.70

Time-->



#5

2-Methylnaphthalene

Concen: 0.063 ng/ul

RT: 12.20 min Scan# 2650

Delta R.T. -0.01 min

Lab File: BN004432.D

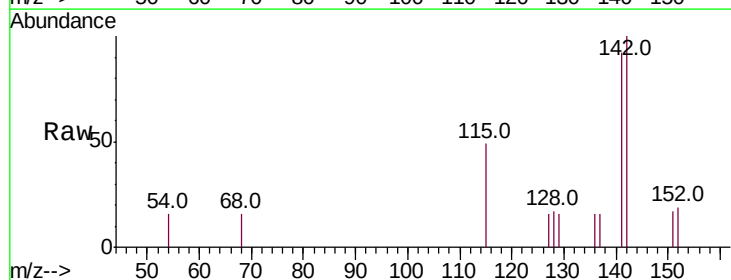
Acq: 14 Feb 2019 22:07

Tgt Ion:142 Resp: 416

Ion Ratio Lower Upper

142 100

141 90.1 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.20

300

200

100

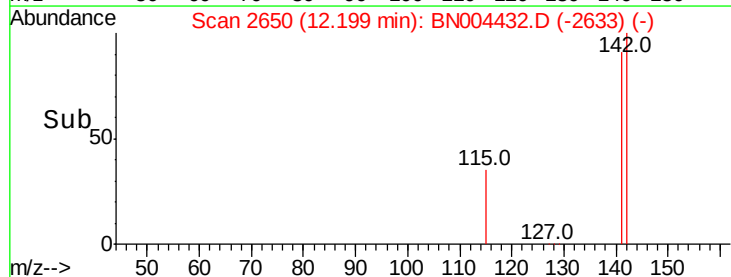
0

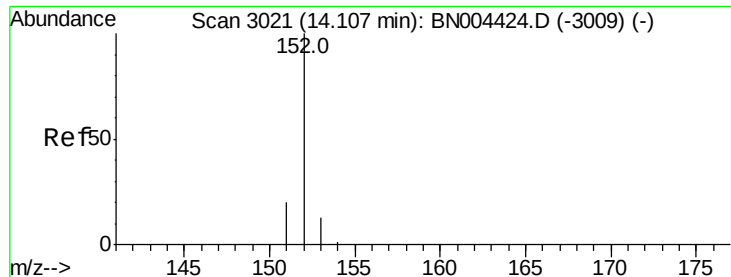
12.10

12.20

12.30

Time-->





#7

Acenaphthylene

Concen: 0.056 ng/ul

RT: 14.11 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BN004432.D

Acq: 14 Feb 2019 22:07

Instrument :

BNA_N

ClientSampleId :

MDL-S-07

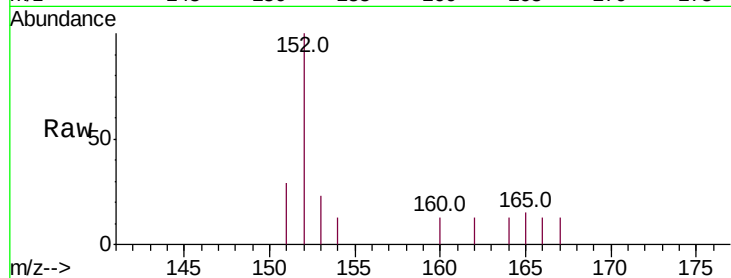
Tot Ion:152 Resp: 517

Ion Ratio Lower Upper

152 100

151 28.9 16.6 24.8#

153 23.4 11.1 16.7#

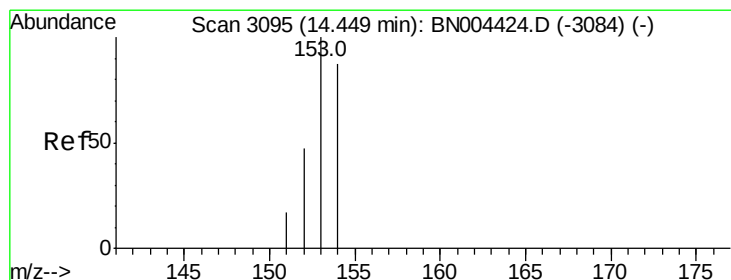
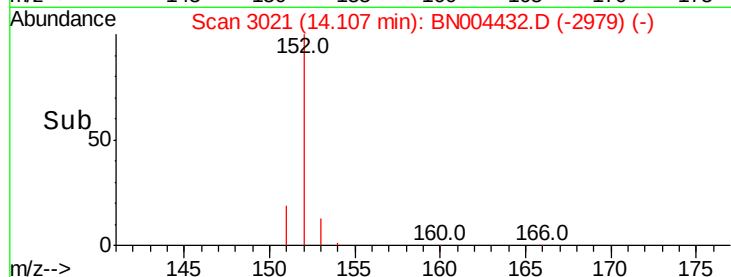
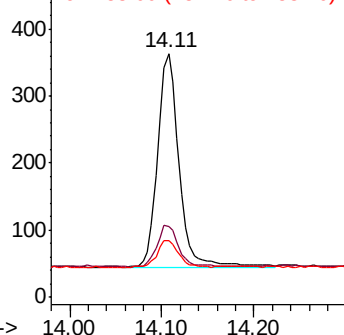


Abundance

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: 0.062 ng/ul

RT: 14.44 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BN004432.D

Acq: 14 Feb 2019 22:07

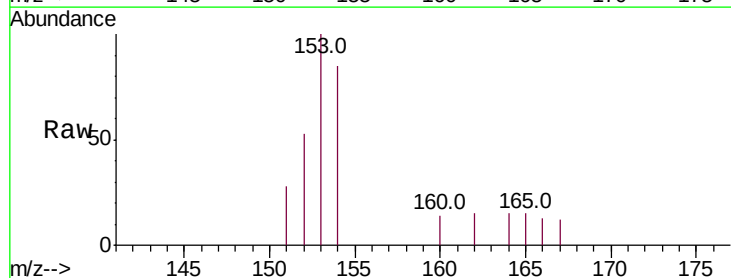
Tgt Ion:153 Resp: 490

Ion Ratio Lower Upper

153 100

152 53.1 38.4 57.6

154 85.1 71.4 107.0

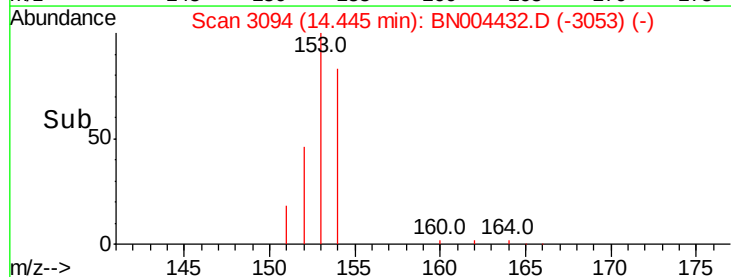
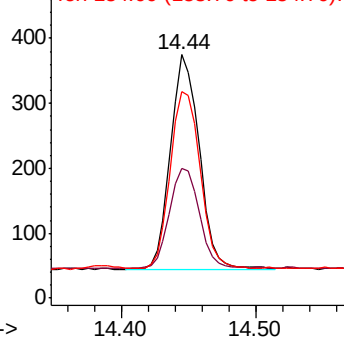


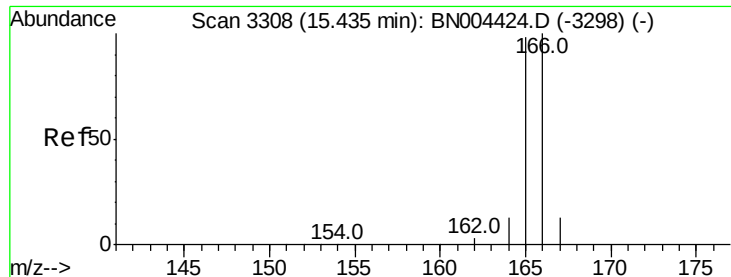
Abundance

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: BN004432.D

Acq: 14 Feb 2019 22:07

Instrument :

BNA_N

ClientSampleId :

MDL-S-07

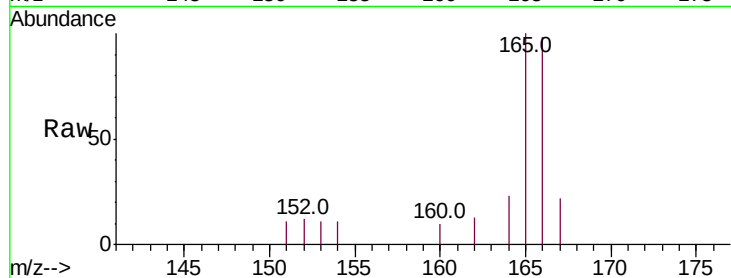
Tot Ion:166 Resp: 608

Ion Ratio Lower Upper

166 100

165 101.6 78.9 118.3

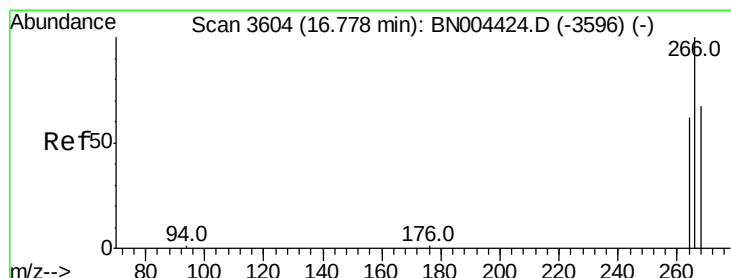
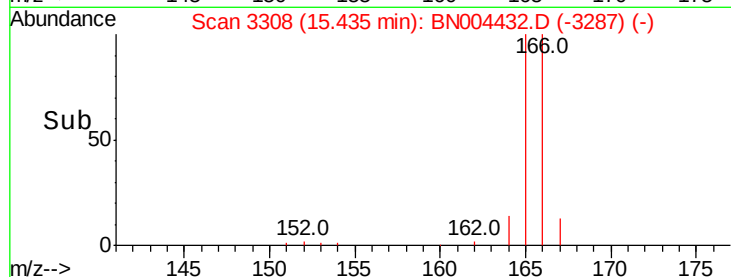
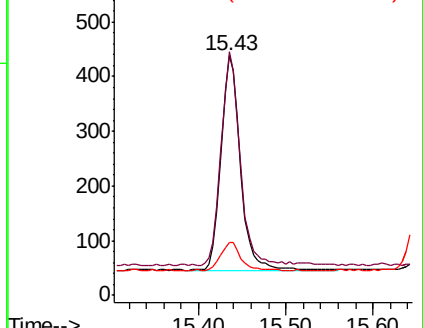
167 22.4 11.6 17.4#



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



#11

Pentachlorophenol

Concen: 0.024 ng/ul

RT: 16.78 min Scan# 3604

Delta R.T. -0.00 min

Lab File: BN004432.D

Acq: 14 Feb 2019 22:07

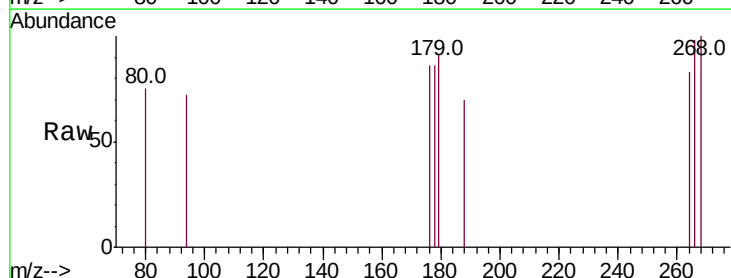
Tgt Ion:266 Resp: 29

Ion Ratio Lower Upper

266 100

264 86.2 52.3 78.5#

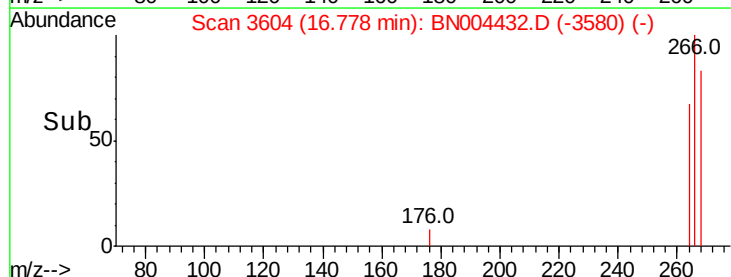
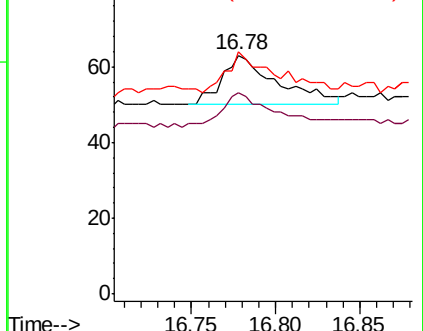
268 79.3 49.0 73.6#

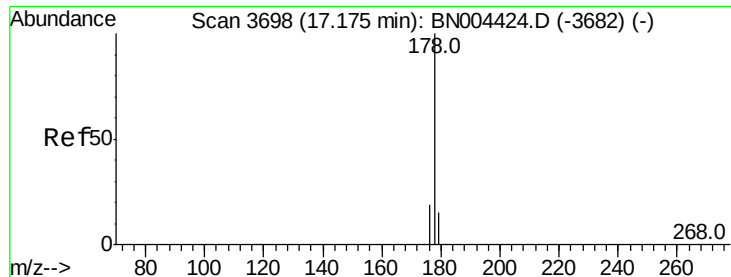


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.061 ng/ul

RT: 17.17 min Scan# 3698

Delta R.T. -0.00 min

Lab File: BN004432.D

Acq: 14 Feb 2019 22:07

Instrument :

BNA_N

ClientSampleId :

MDL-S-07

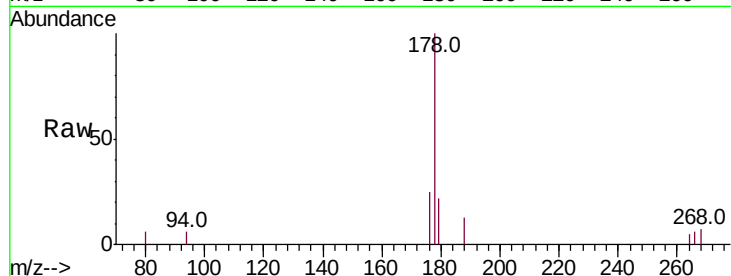
Tot Ion:178 Resp: 1144

Ion Ratio Lower Upper

178 100

179 22.1 12.6 19.0#

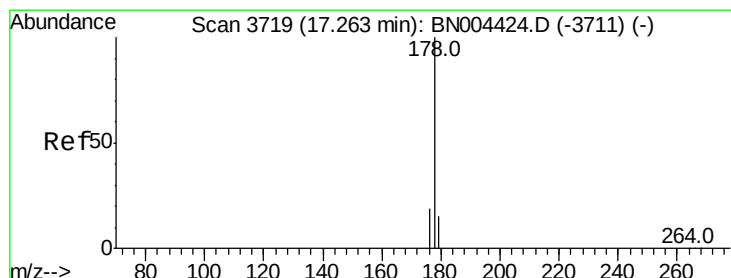
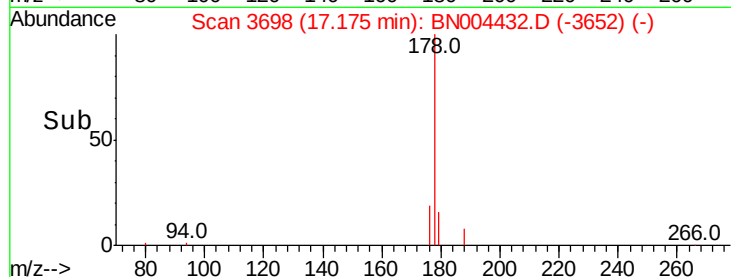
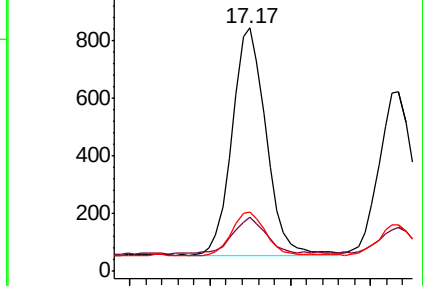
176 24.6 15.8 23.6#



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: 0.057 ng/ul

RT: 17.27 min Scan# 3720

Delta R.T. -0.00 min

Lab File: BN004432.D

Acq: 14 Feb 2019 22:07

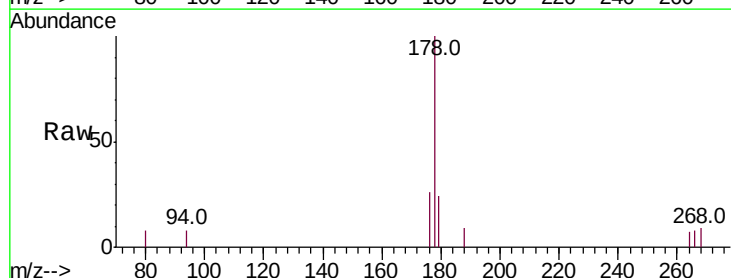
Tgt Ion:178 Resp: 909

Ion Ratio Lower Upper

178 100

179 24.4 13.0 19.4#

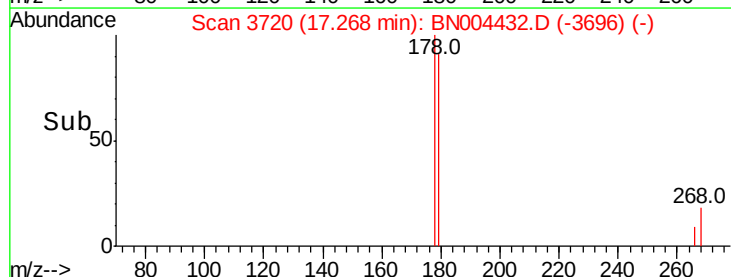
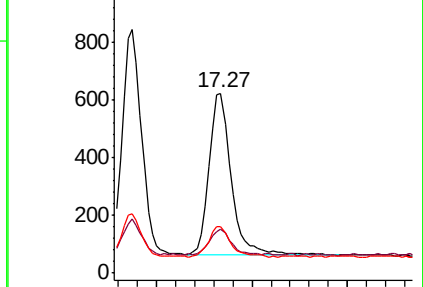
176 25.9 15.5 23.3#

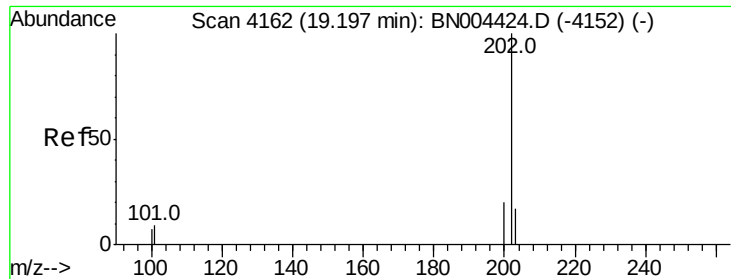


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.062 ng/ul

RT: 19.19 min Scan# 4161

Delta R.T. -0.00 min

Lab File: BN004432.D

Acq: 14 Feb 2019 22:07

Instrument :

BNA_N

ClientSampleId :

MDL-S-07

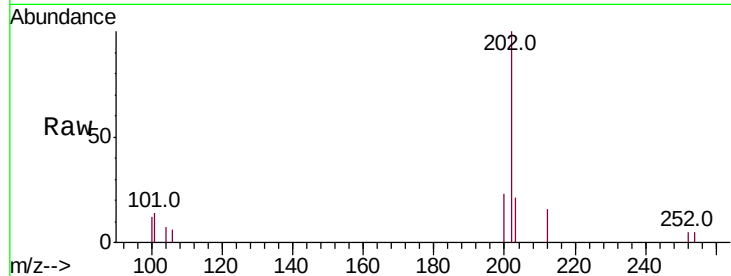
Tot Ion:202 Resp: 1425

Ion Ratio Lower Upper

202 100

101 14.1 0.0 30.4

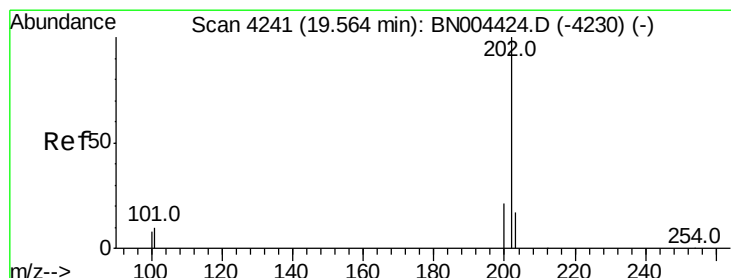
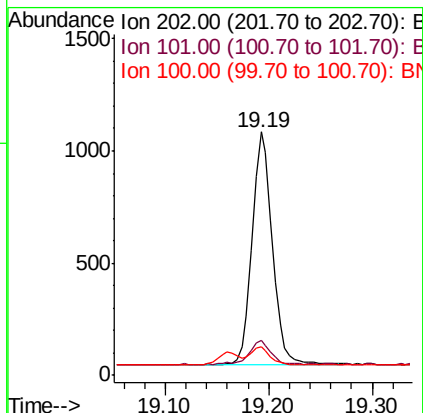
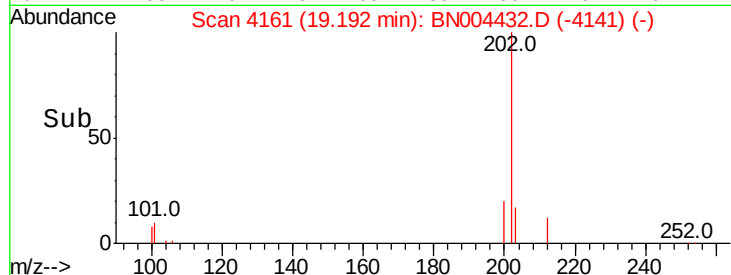
100 11.5 0.0 27.6



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: 0.059 ng/ul

RT: 19.56 min Scan# 4240

Delta R.T. -0.00 min

Lab File: BN004432.D

Acq: 14 Feb 2019 22:07

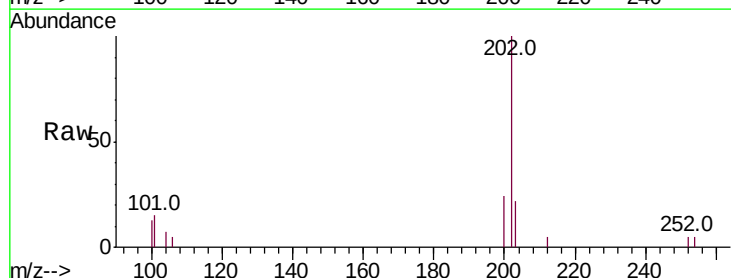
Tgt Ion:202 Resp: 1425

Ion Ratio Lower Upper

202 100

101 15.4 9.0 13.6#

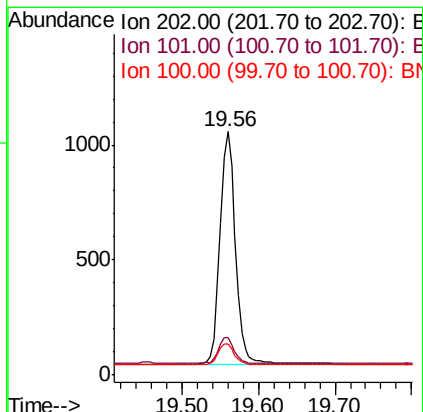
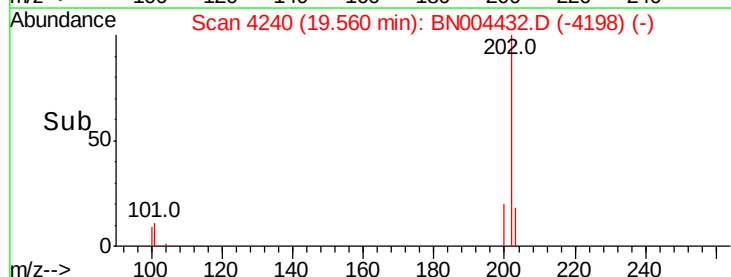
100 12.6 7.4 11.0#

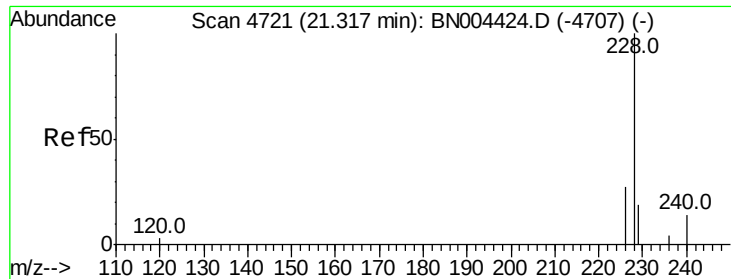


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.059 ng/ul

RT: 21.31 min Scan# 4719

Delta R.T. -0.00 min

Lab File: BN004432.D

Acq: 14 Feb 2019 22:07

Instrument :

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ClientSampleId :

MDL-S-07

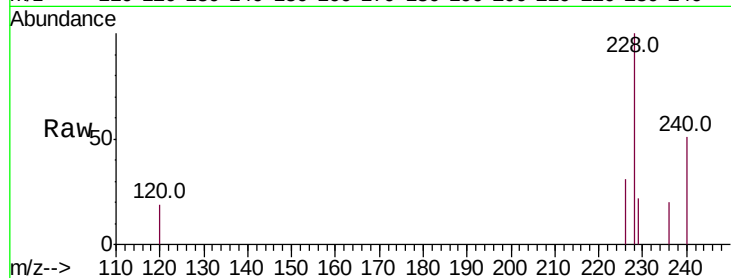
Tot Ion:228 Resp: 1429

Ion Ratio Lower Upper

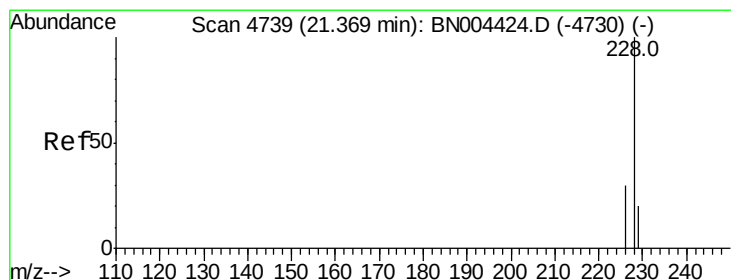
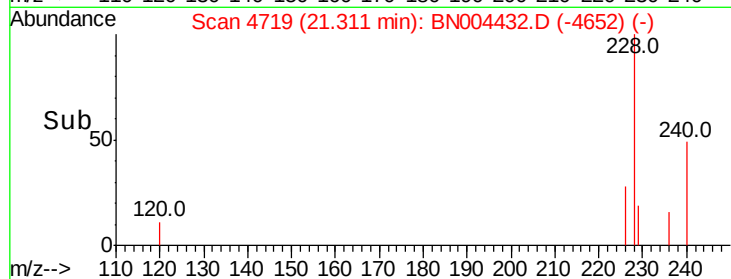
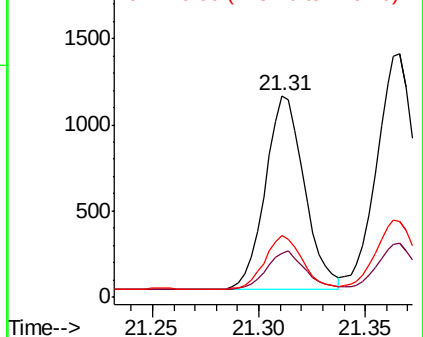
228 100

229 21.9 15.7 23.5

226 30.5 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: 0.065 ng/ul

RT: 21.37 min Scan# 4738

Delta R.T. -0.00 min

Lab File: BN004432.D

Acq: 14 Feb 2019 22:07

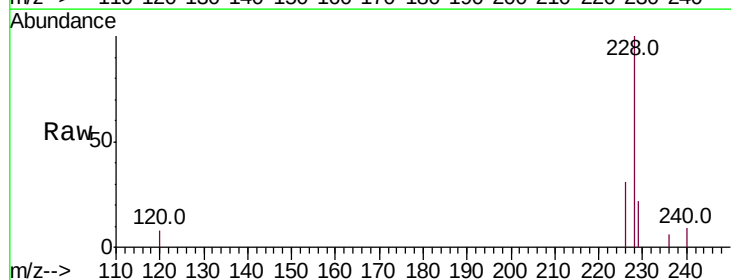
Tgt Ion:228 Resp: 1814

Ion Ratio Lower Upper

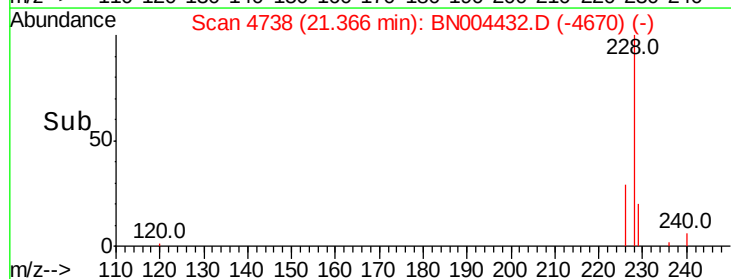
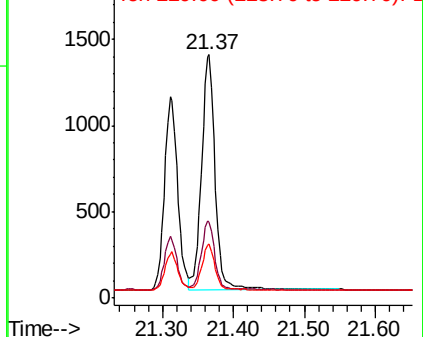
228 100

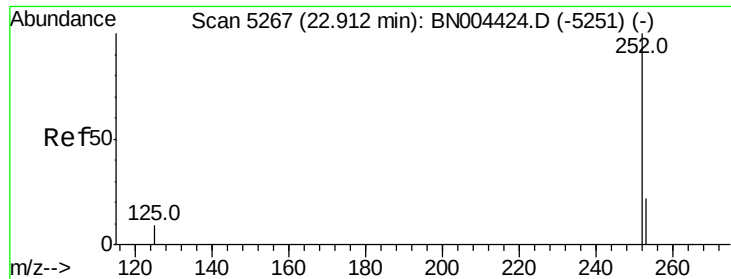
226 31.0 23.8 35.8

229 22.5 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: 0.065 ng/ul

RT: 22.91 min Scan# 5266

Delta R.T. -0.00 min

Lab File: BN004432.D

Acq: 14 Feb 2019 22:07

Instrument :

BNA_N

ClientSampleId :

MDL-S-07

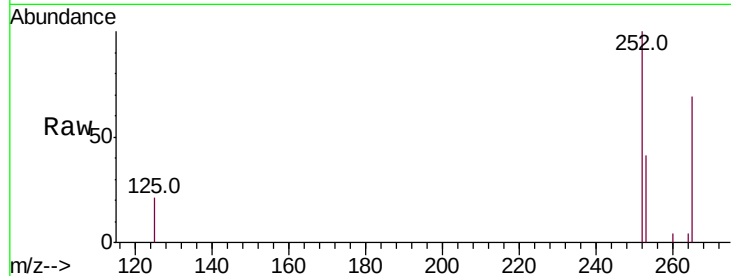
Tot Ion:252 Resp: 2035

Ion Ratio Lower Upper

252 100

253 40.6 0.0 48.0

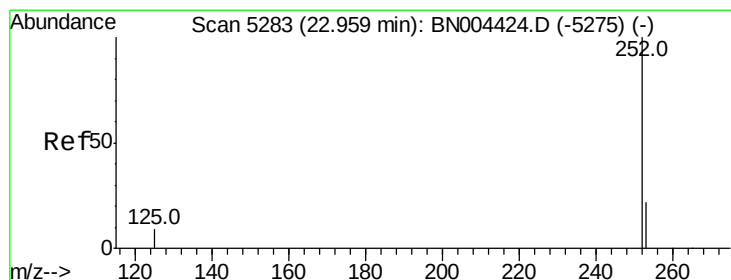
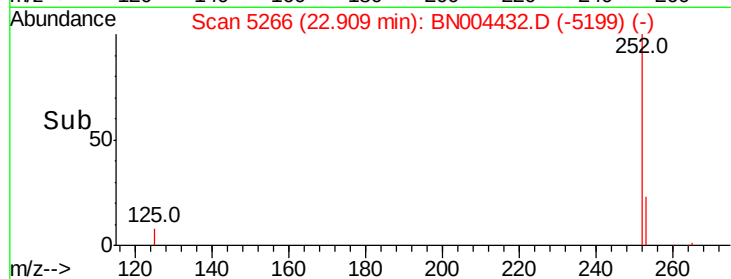
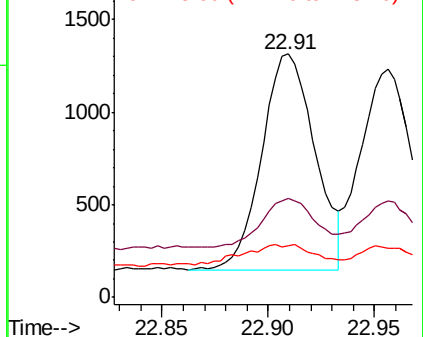
125 21.4 0.0 22.8



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: 0.062 ng/ul

RT: 22.96 min Scan# 5282

Delta R.T. -0.00 min

Lab File: BN004432.D

Acq: 14 Feb 2019 22:07

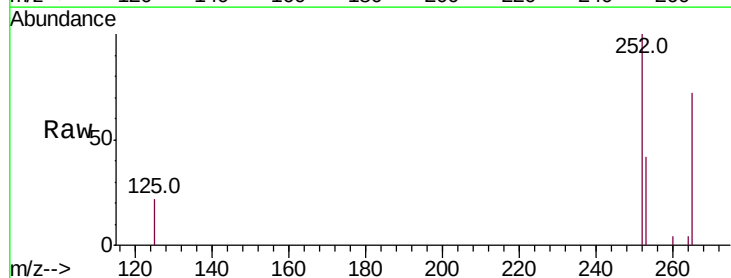
Tgt Ion:252 Resp: 1910

Ion Ratio Lower Upper

252 100

253 42.0 19.5 29.3#

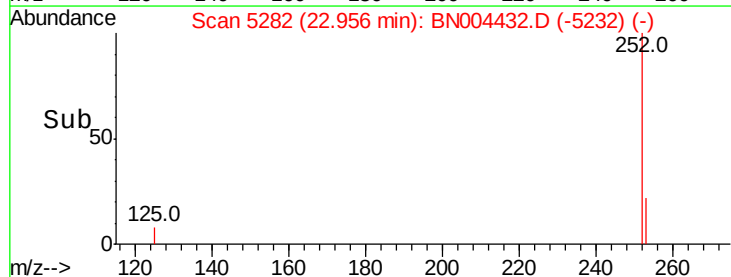
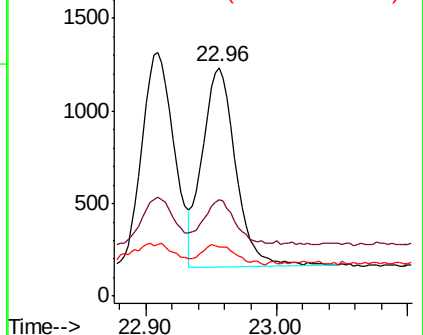
125 21.7 9.1 13.7#

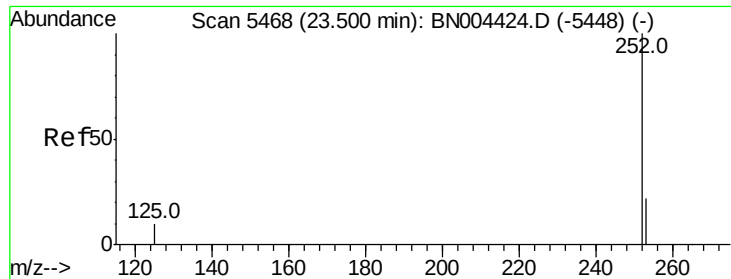


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.059 ng/ul

RT: 23.49 min Scan# 5466

Delta R.T. -0.00 min

Lab File: BN004432.D

Acq: 14 Feb 2019 22:07

Instrument :

BNA_N

ClientSampleId :

MDL-S-07

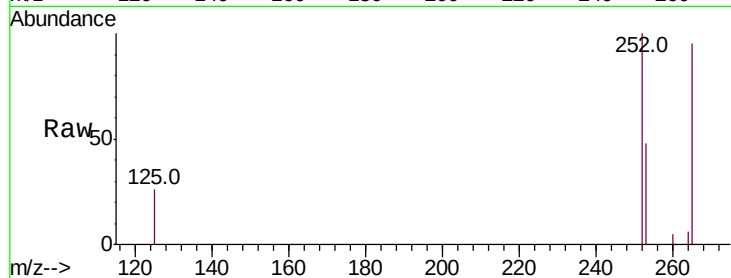
Tot Ion:252 Resp: 1673

Ion Ratio Lower Upper

252 100

253 47.9 20.4 30.6#

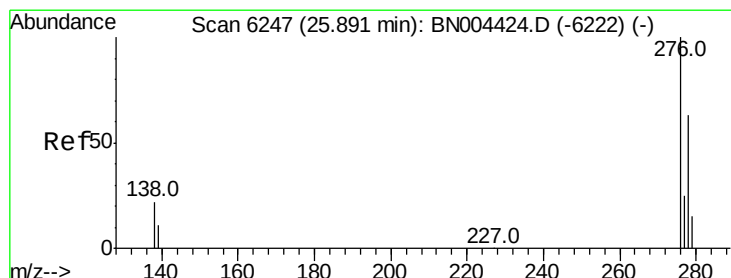
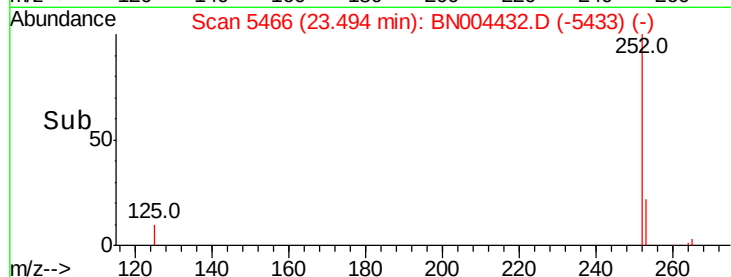
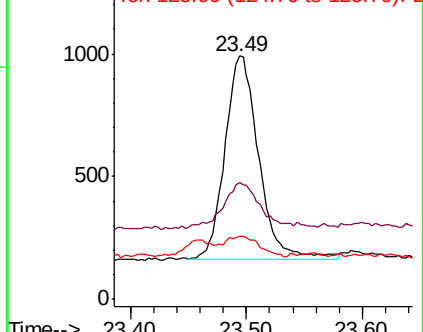
125 25.9 10.6 15.8#



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: 0.063 ng/ul

RT: 25.88 min Scan# 6245

Delta R.T. -0.01 min

Lab File: BN004432.D

Acq: 14 Feb 2019 22:07

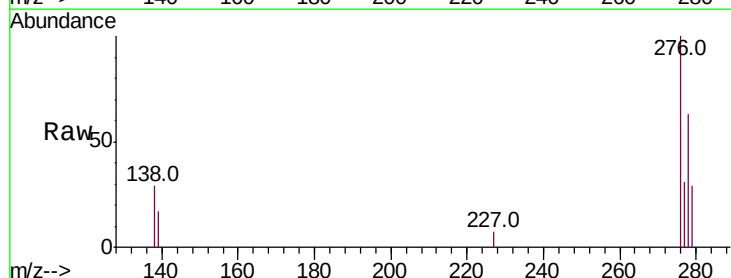
Tgt Ion:276 Resp: 2336

Ion Ratio Lower Upper

276 100

138 23.0 19.1 28.7

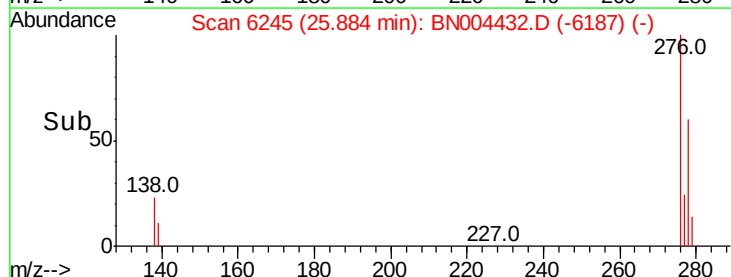
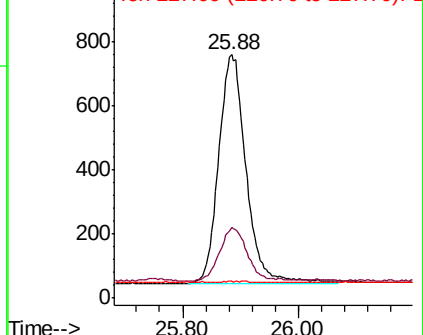
227 0.2 0.2 0.4#

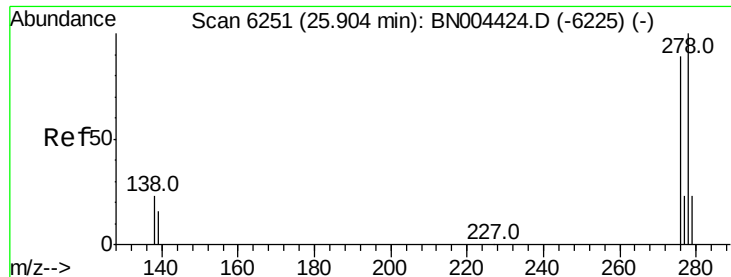


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

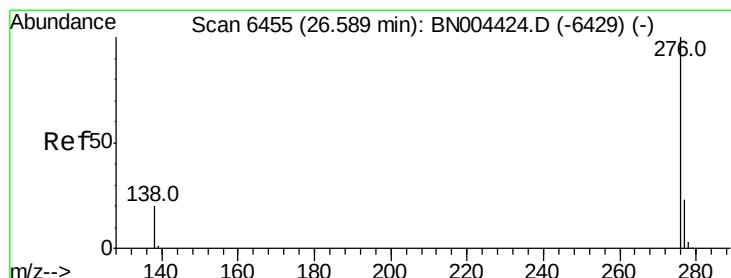
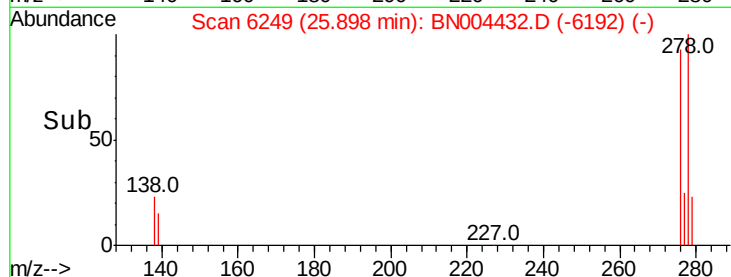
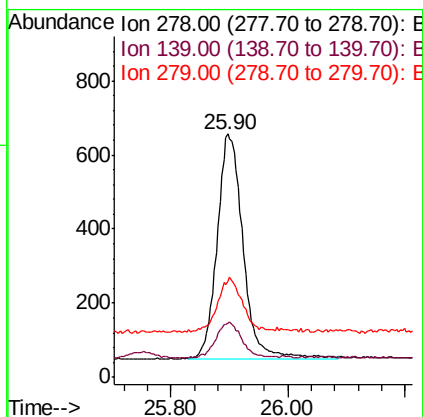
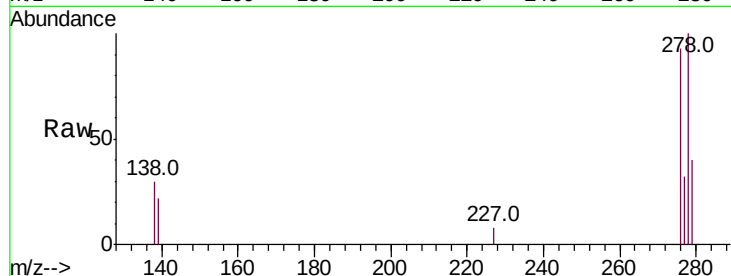




#25
Dibenzo(a,h)anthracene
Concen: 0.062 ng/ul
RT: 25.90 min Scan# 6249
Delta R.T. -0.01 min
Lab File: BN004432.D
Acq: 14 Feb 2019 22:07

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tot Ion:278 Resp: 1857
Ion Ratio Lower Upper
278 100
139 22.4 13.8 20.6#
279 39.7 20.4 30.6#



#26
Benzo(g,h,i)perylene
Concen: 0.065 ng/ul
RT: 26.59 min Scan# 6454
Delta R.T. -0.01 min
Lab File: BN004432.D
Acq: 14 Feb 2019 22:07

Tgt Ion:276 Resp: 2182
Ion Ratio Lower Upper
276 100
138 25.6 16.8 25.2#
277 29.4 19.4 29.0#

